



Florida Department of Environmental Protection

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Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

June 29, 2018

The Honorable Rick Scott
Governor of Florida
Plaza Level 01, The Capitol
400 South Monroe Street
Tallahassee, Florida 32399

The Honorable Joe Negron
President, Florida Senate
Room 409, The Capitol
404 South Monroe Street
Tallahassee, Florida 32399-1100

The Honorable Richard Corcoran
Speaker, Florida House of Representatives
Room 420, The Capitol
402 South Monroe Street
Tallahassee, Florida 32399-1300

Dear Governor Scott, President Negron, and Speaker Corcoran:

The Florida Department of Environmental Protection is committed to protecting Florida's water resources, which are vital to Florida's environment, economy and communities. DEP works collaboratively with the Governor and Legislature, Florida's water management districts, our partner state agencies, and local governments and stakeholders to implement projects and programs to protect and restore our state's iconic water resources. The enclosed report, prepared in fulfillment of Section 403.0675, Florida Statutes (F.S.), details the status of many of these key programs, including each total maximum daily load, basin management action plan, minimum flow and minimum water level, and recovery or prevention strategy adopted pursuant to Section 403.067, parts I and VIII of Chapter 373, or Section 373.042, F.S. The Florida Department of Environmental Protection developed this report in conjunction with the Northwest Florida Water

Management District, South Florida Water Management District, Southwest Florida Water Management District, St. Johns River Water Management District, and Suwannee River Water Management District.

Brief backgrounds and statewide summaries for total maximum daily loads, basin management action plans, and minimum flow and minimum water levels in Florida can be found in the attached main report. The appendices containing additional narratives, maps, project tables, and more can be found [here](#).¹

If you have questions regarding this report, please feel free to contact me or Mr. Drew Bartlett, Deputy Secretary for Ecosystem Restoration, at (850) 245-2011.

Sincerely,



Noah Valenstein

Secretary

Enclosures

cc: Brett Cyphers, Executive Director, NFWWMD
Ann B. Shortelle, Executive Director, SJRWMD
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¹ <https://floridadep.gov/STAR>

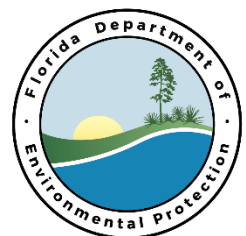
***Florida Statewide Annual Report on
Total Maximum Daily Loads, Basin
Management Action Plans, Minimum
Flows or Minimum Water Levels, and
Recovery or Prevention Strategies***

Florida Department of Environmental Protection

**Division of Environmental Assessment and Restoration
and
Office of Water Policy**

June 2018

2600 Blair Stone Road
Tallahassee, Florida 32399
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Introduction

Florida has wide-ranging efforts in place to protect and restore the water quality or minimum flows and levels (MFLs) of the state's waters. As required by Section 403.0675, Florida Statutes (F.S.), this report updates the Governor, Legislature, and all Floridians on the status of protection and restoration actions through total maximum daily loads (TMDLs), basin management action plans (BMAPs), minimum flows or minimum water levels (MFLs), and recovery or prevention strategies.

When a river, lake, estuary, or spring does not meet state water quality standards, the Florida Department of Environmental Protection (DEP) determines a water quality restoration goal known as a TMDL that will restore the waterbody so that it meets its standards. TMDLs address a specific impairment for a waterbody; therefore, a waterbody may have multiple TMDLs to address different pollutants. This report describes the status of TMDLs adopted as of December 31, 2017.

DEP may develop a BMAP, in collaboration with local stakeholders, to achieve one or more TMDLs. BMAPs may be developed for surface waters and groundwater-fed springs. The management actions listed in the BMAPs comprise local projects proposed and committed to by counties, municipalities, special districts, private industrial facilities, wastewater utilities, the Florida Department of Transportation (FDOT), commercial agricultural operations, and other stakeholders. The stakeholders provide details of their projects to DEP. This report describes the status of BMAPs adopted as of December 31, 2017. In some cases project information provided by the entity was incomplete or missing.

Section 373.042(1), F.S defines minimum flows and minimum water levels (MFLs) as the point at which further water withdrawals would be significantly harmful to the water resources or ecology of the area. As a part of fulfilling their mission and statutory responsibilities, the water management districts (WMDs) establish MFLs for priority waterbodies within their boundaries.¹ MFLs are used both in planning for future water uses and in regulating water withdrawals. For waterbodies that are below their minimum flow or level, or are projected to fall below their minimum flow or level within 20 years, the WMD is required to implement a recovery or prevention strategy to ensure the MFL is maintained over the long term.

¹ On request, DEP can also adopt MFLs in accordance with Section 373.042, F.S.

Total Maximum Daily Loads

DEP monitors the quality of waterbodies across the state, assessing their condition against the applicable water quality criteria and listing those that exceed the criteria as "impaired" for one or more pollutants. The Florida Statutes then require TMDLs to be developed for the waterbody or waterbody segments placed on DEP's Verified List of Impaired Waters. A TMDL is a water quality restoration goal that establishes the maximum amount of a pollutant that a waterbody can assimilate without causing exceedances of water quality standards. As such, TMDL development is an important step toward restoring state waters to their designated uses. BMAPs and permits issued for point sources all use TMDLs as the basis for their water quality goals. In Florida, DEP adopts nutrient TMDLs as site-specific water quality criteria, following the procedures outlined in the [Implementation of Florida's Numeric Nutrient Standards](#) (2013)² document. This approach aligns TMDLs and water quality standards, so that multiple conflicting criteria do not apply to a single waterbody. The DEP [TMDL Program](#)³ website contains more detailed information.

In 2014, DEP provided the U.S. Environmental Protection Agency (EPA) with a priority framework document that contained a long-term plan for addressing how to assess waters and develop TMDLs under the Florida Statutes and Section 303(d) of the federal Clean Water Act (CWA). The document focused on Florida's transition from a pace-driven TMDL development schedule to a new approach based on recovery potential screening. In 2015, DEP updated the approach, expanding the planning horizon for TMDL development through 2022. The [Priority Framework document](#)⁴ detailing the approach can be found online.

One important change from previous TMDL priority-setting efforts is a new focus on waters where the TMDL and BMAP approach is the best of the available options for restoration. The long-term plan identifies those impaired waters where DEP expects to develop a site-specific TMDL. The current list of [waters prioritized for TMDLs](#)³ is available online. It includes the waterbodies for which TMDLs will be developed between now and 2022.

As of December 31, 2017, DEP has adopted a total of 409 TMDLs (**Figure 1**). Of these, 224 were developed for dissolved oxygen (DO), nutrients, and/or un-ionized ammonia; 179 for bacteria; and 5 for other parameters (iron, lead, and turbidity). In addition, the state has adopted a statewide TMDL for mercury, based on fish consumption advisories affecting over 1,100 waterbody segments. These TMDLs represent areas covering many of the largest watersheds in the state. DEP has many more TMDLs in various stages of development; for the up-to-date locations of TMDLs in Florida, please view the DEP interactive map, [Water Quality Assessments, TMDLs, and BMAPs](#).⁵

² https://floridadep.gov/sites/default/files/NNC_Implementation.pdf

³ <https://floridadep.gov/dear/water-quality-evaluation-tmdl/content/total-maximum-daily-loads-tmdl-program>

⁴ <https://floridadep.gov/sites/default/files/PriorityFrameworkDocument.pdf>

⁵ <http://arcg.is/0jru5e>

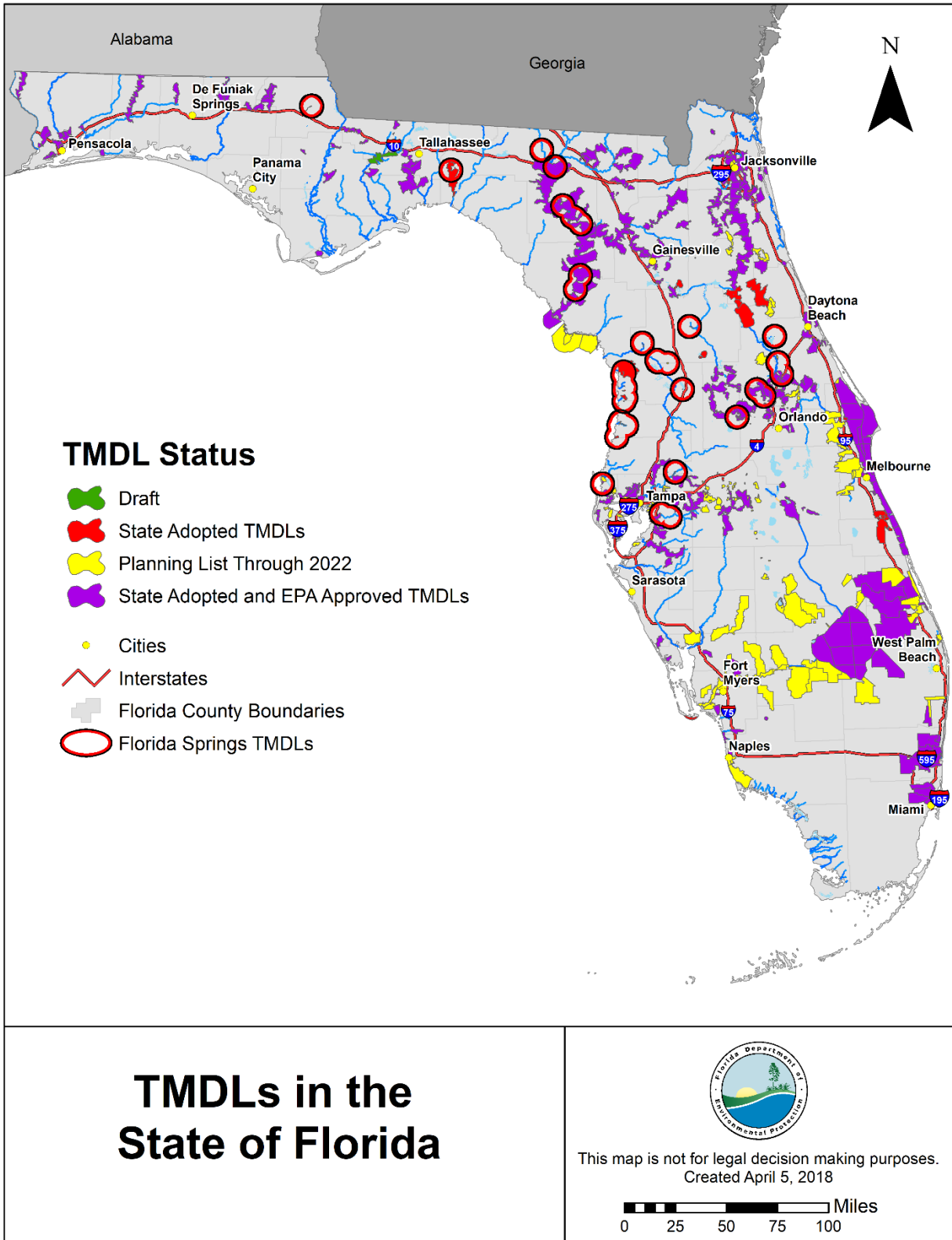


Figure 1. Map of TMDLs in Florida

Basin Management Action Plans

A BMAP is the "blueprint" for restoring impaired waters by reducing pollutants to meet the allowable loadings established in a TMDL. A BMAP contains a comprehensive set of strategies, such as permit limits on wastewater facilities, urban and agricultural best management practices (BMPs), and conservation programs designed to implement the pollutant reductions established by the TMDL. These broad-based plans are developed with local stakeholders and rely on local input and commitment for development and successful implementation. Individual BMAPs are adopted by DEP Secretarial Order and are legally enforceable. As of December 31, 2017, DEP has adopted 25 BMAPs and is developing or updating numerous BMAPs statewide (**Figure 2**).

The management actions listed in the BMAPs comprise local projects proposed and committed to by counties, municipalities, special districts, private industrial facilities, wastewater utilities, FDOT, commercial agricultural operations, and other stakeholders. Throughout 2017, DEP contacted stakeholders in all BMAP areas to request information on the status of projects through December 31, 2017. DEP provided stakeholders with tables to be updated with additional information about existing projects and to add information on any new or planned projects. This information is provided in tables organized by BMAP. As additional details and new management actions provided by local entities are available, the information will be added to the project database. DEP conducted extensive outreach to collect project information from each entity, and details are included for many projects in this report. However, in some cases, the information provided by the entity was incomplete, or no update was provided, or the project was completed some time ago and records cannot be easily obtained by an entity.

In BMAPs, owner-implemented BMPs or water quality monitoring are required for agricultural operations to show compliance with water quality standards. In some BMAPs, load reductions associated with agricultural BMPs have been estimated and are assigned a BMAP project number in the project table for that BMAP. Agricultural enrollment information is provided by the Florida Department of Agriculture and Consumer Services (FDACS) as part of their statewide [implementation assurance \(IA\) report](#)⁶, submitted annually to the Governor and Legislature. The report includes more details on the status of implementation of the agricultural nonpoint source BMPs, and summarizes survey responses, response rates, site inspections, and other methods used to verify implementation of and compliance with BMPs pursuant to BMAPs.

Northern Everglades and Estuaries Protection Program (NEEPP) BMAPs

In 2007, the Florida Legislature created the NEEPP, which expanded the Lake Okeechobee Protection Act (LOPA), created in 2000 (Section 373.4595, F.S.), to include the Caloosahatchee and St. Lucie Rivers and Estuaries. The primary goal of the program is to restore and protect the state's surface water resources by addressing the quality, quantity, timing, and distribution of water to the natural system.

⁶ <https://www.freshfromflorida.com/Divisions-Offices/Agricultural-Water-Policy>

Section 373.4595, F.S., requires the Northern Everglades BMAPs to include milestones for implementation and water quality improvement, and associated water quality monitoring components sufficient to evaluate whether reasonable progress is being achieved over time. Implementation schedules must include 5-, 10-, and 15-year measurable milestones and targets to achieve the TMDLs addressed by the BMAPs no later than 20 years after BMAP adoption. If restoration within 20 years is not practicable, the schedule must contain an explanation of the constraints that prevent the achievement of the TMDL within 20 years and additional 5-year milestones, as necessary. Further details on the NEEPP BMAPs can be found in **Appendix A**.

Outstanding Florida Springs (OFS) BMAPs

The Florida Springs and Aquifer Protection Act (Part VIII of Chapter 373, F.S.), provides for the protection and restoration of the state's OFS, which comprise 24 first magnitude springs, 6 additional named springs, and their associated spring runs. The act requires DEP to initiate an assessment by July 1, 2016, of any OFS or spring system for which a determination of impairment has not been made under the numeric nutrient criteria (NNC) for spring vents.

In addition to the requirements of Section 403.067, F.S., the act provides specific requirements for OFS BMAPs, including an implementation plan designed with a target to achieve a TMDL no more than 20 years after the adoption of the BMAP. These BMAPs provide for a phased implementation schedule (5-, 10-, and 15-year targets) to achieve incremental reductions in the first 15 years. Further details on the OFS BMAPs can be found in **Appendix B**.

The act further specifies that a BMAP for an OFS must include the following provisions:

- The delineation of priority focus areas (PFAs), to which statutory prohibitions on certain activities will apply.
- The identification of each point source or category of nonpoint sources and estimated pollutant loads in the springshed including, but not limited to, urban turfgrass fertilizer (UTF), sports turfgrass fertilizer (STF), agricultural fertilizer, onsite sewage treatment and disposal systems (OSTDS), which are also referred to as "septic systems" (the terms are used interchangeably throughout this document), wastewater treatment facilities (WWTFs), animal wastes, and stormwater facilities.
- A list of all specific projects and programs identified to implement a nutrient TMDL, including the following:
 - A priority rank, planning-level cost estimate, estimated completion date, and estimated nutrient load reduction for each listed project.
 - The source and amount of financial assistance to be made available by DEP, a WMD, or other entity for each listed project.

- An OSTDS remediation plan if DEP identifies OSTDS as contributors of at least 20 % of the nonpoint source nitrogen pollution within a PFA, or if DEP determines that remediation is necessary to achieve a TMDL, including the following:
 - A list of all specific projects identified in an OSTDS remediation plan.
- A description of BMPs adopted by rule.

Surface Water BMAPs for Nutrients (SWN)

Other BMAPs not in the NEEPP or OFS groups that address nutrient impairments are included in the SWN group. These BMAPs include efforts targeting the restoration of lakes, rivers, and estuaries, many of which are located in the St. Johns River Watershed. Further details on the Surface Water BMAPs for Nutrients can be found in **Appendix C**.

Fecal Indicator Bacteria (FIB) BMAPs

While the majority of BMAPs address nutrient impairments, DEP also has adopted BMAPs that target FIB contamination. As bacteria sources can be both natural and human induced, as well as hard to identify, these BMAPs address the identification of sources so they can be eliminated or reduced. To reduce FIB, these plans have their own, distinct types of projects to address anthropogenic bacteria sources (i.e., sources caused by human activity).

Further details on the types of indicators used, as well as the recent changes to bacteria standards, can be found in **Appendix D**, along with status reports on each of the FIB BMAPs. Projects are listed through each individual BMAP’s last annual reporting period. Project reporting is being revised in bacteria BMAPs so that project information will be better focused on the identification, elimination, and prevention of fecal bacteria sources. The reporting periods for FIB BMAPs in the next statewide annual report will all end on December 31, 2018.

Table 1. BMAP reduction costs summary table

lbs/yr = Pounds per year; O&M = Operations and maintenance

¹ Reductions and costs associated with Underway or Planned projects are estimates and have not yet been verified.

Project Status	Cost Estimate	Cost Annual O&M	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)
Completed	\$3,349,848,016	\$39,699,160	5,827,079	756,763
Underway and Planned ¹	\$2,593,574,809	\$4,363,171	1,267,257	237,648
Totals	\$5,943,422,825	\$44,062,331	7,094,336	994,411

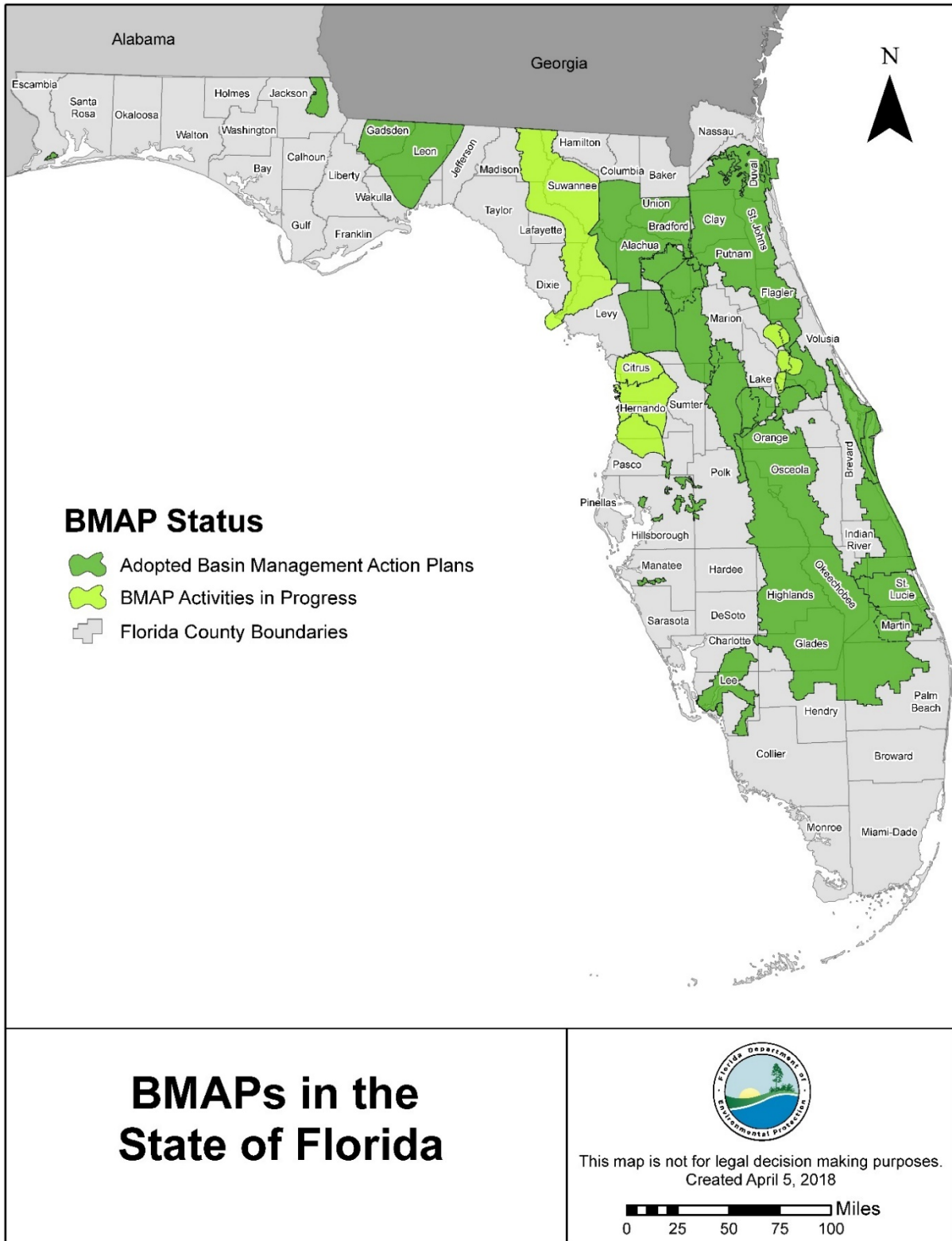


Figure 2. Adopted and pending BMAPs in Florida

Minimum Flows and Minimum Water Levels and Recovery and Prevention Strategies

Florida statutes define minimum flows and minimum water levels (MFLs) as the point at which further water withdrawals would be significantly harmful to the water resources or ecology of the area.⁷ As a part of fulfilling their mission and statutory responsibilities, the WMDs establish MFLs for priority waterbodies within their boundaries.⁸ MFLs are used both in planning for future water uses and in regulating water withdrawals. For waterbodies that are below their minimum flow or level, or are projected to fall below their minimum flow or level within 20 years, the WMD is required to implement a recovery or prevention strategy to ensure the MFL is maintained over the long term.

Status of MFLs and Recovery and Prevention Strategies

As of March 1, 2018, 422 MFLs have been adopted statewide for all waterbody types, including the following:

- 63 springs (27 of which are OFS).
- 235 lakes.
- 39 rivers (16 of which include estuaries).
- 1 estuary.
- 61 wetlands.
- 5 aquifer systems comprising 23 individual MFLs.

For the up-to-date locations of adopted MFLs in Florida, as well as the status of each, please view the DEP interactive map, [Adopted MFLs in the State of Florida](#).⁹ **(Figure 3)**.

⁷ Subsection 373.042(1), F.S.

⁸ On request, DEP can also adopt MFLs in accordance with Section 373.042, F.S.

⁹ <https://tinyurl.com/StatewideAdoptedMFLs>

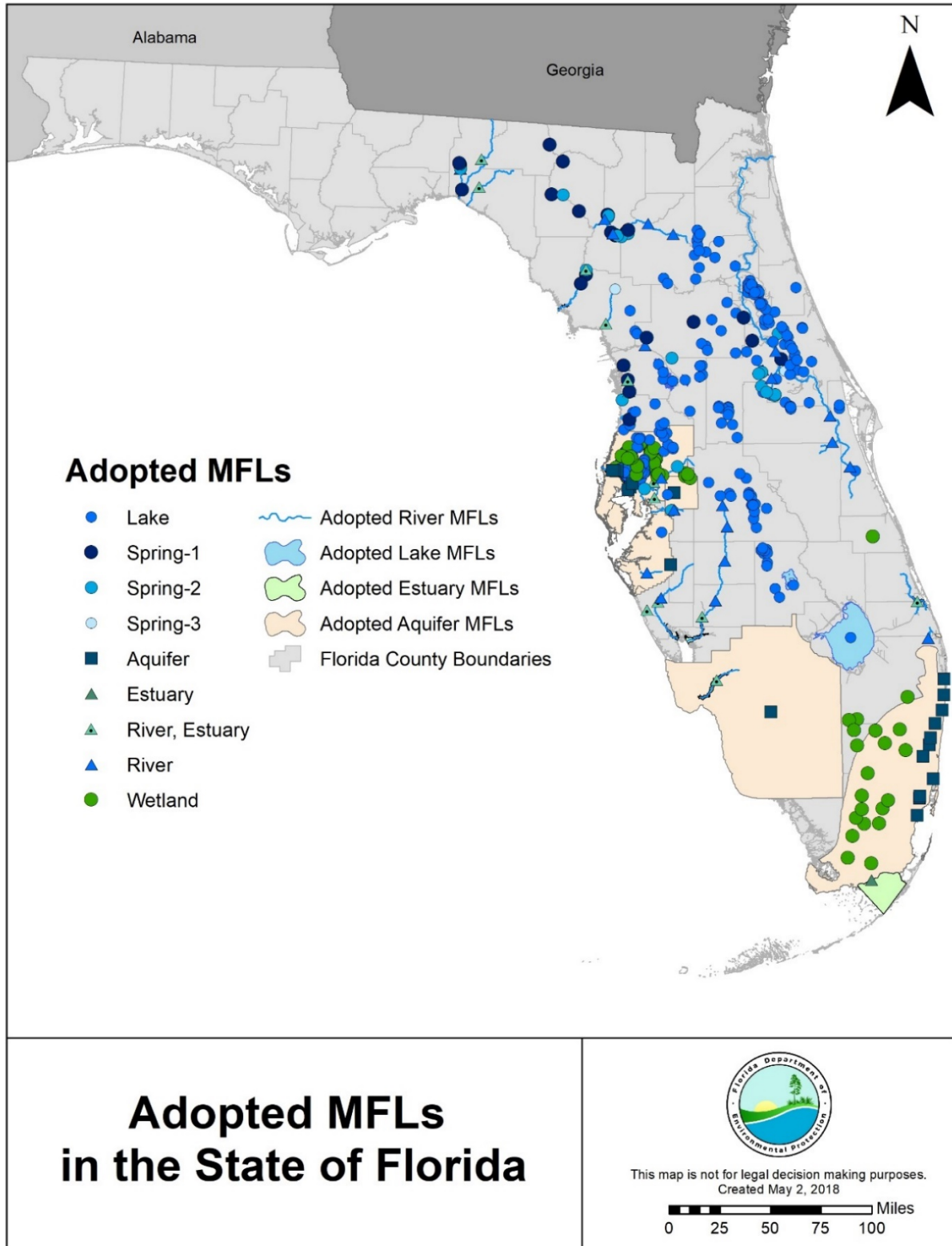


Figure 3. Adopted MFLs in Florida

Of the 422 MFLs adopted to date, 135 are identified as being in either recovery or prevention. To obtain information on waterbody status for this report, each waterbody for which an MFL was adopted was evaluated by the adopting WMD based on the relative magnitude of the MFL violation and rated as close, moderately close, or not close to meeting the MFL. In evaluating this element, the WMDs considered the magnitude of the variance from the MFL, the magnitude of the ecological impact, the time frame for recovery, and the time frame for the completion of the projects.

Each waterbody was also evaluated based on its regional significance and rated as Tier 1, Tier 2, or Tier 3 (with Tier 1 being the highest rating). In evaluating this element, the WMDs considered the waterbody’s size and geographical extent, ecological importance, recreational uses, navigation, threatened and endangered species, wildlife use, aesthetics, and historical and archeological significance. **Table 2** describes the status of MFLs and the various classifications for recovery and prevention strategies.

Table 2. Definitions of MFL status and recovery and prevention strategies

Status	Definition
Meeting	This status is assigned for any MFL that was determined to be meeting its MFL at the time of its adoption or during its last status evaluation.
Prevention	This status is assigned if the waterbody is meeting the MFL but is projected not to meet the MFL within 20 years.

Status	Relative Magnitude of the MFL Violation	Regional Significance of Waterbodies in Recovery
Recovery 1	Close	Tier 2 or 3
Recovery 1	Moderately Close	Tier 3
Recovery 2	Close	Tier 1
Recovery 2	Moderately Close	Tier 2
Recovery 2	Not Close	Tier 3
Recovery 3	Moderately Close	Tier 1
Recovery 3	Not Close	Tier 1 or 2

Appendix E contains a complete review of the status of all adopted MFLs and recovery and prevention strategies.¹⁰

Status of Projects Identified to Achieve the MFLs

Recovery and prevention strategies identify project options that may be used to benefit a waterbody with an established MFL (or MFLs) while ensuring adequate sources of water for reasonable–beneficial uses. The projects listed in a recovery or prevention strategy are frequently options that, in total, exceed the volume of water that must be created to meet the MFL(s).

¹⁰ <https://floridadep.gov/STAR>

To date, \$1.8 billion have been invested in projects benefiting an MFL. On completion, these projects will make available 231.3 million gallons per day (mgd) of water (nonreuse) and an additional 221.61 mgd in reuse flow. As listed in **Table 3** for completed projects, the state leveraged over \$7 for each \$1 of state investment.

Projects included in this report are those implemented or underway between Fiscal Year (FY) 2005–06 and FY 2017–18, and those included in a Recovery or Prevention Strategy or Regional Water Supply Plan as a project option identified to achieve the MFLs. **Appendix F** describes the status of each project identified to achieve an MFL.¹¹ The projects include those specifically designed and implemented to achieve an MFL; projects that provide varying levels of ancillary benefits to MFL waterbodies, including those that are meeting their MFLs and those that are in recovery or prevention. **Appendix G** summarizes and lists the status of each recovery or prevention strategy.

Table 3. Summary of the status of projects benefiting an MFL in the Suwannee River, St. Johns River, and Southwest Florida WMDs

Project Status	Quantity of Nonreuse Water Made Available on Completion (mgd)	Reuse Flow Made Available on Project Completion (mgd)	Storage Capacity Created (mg)	Potential Project Projected Funding (in millions)	All State Funding (in millions)	Total District Funding (in millions)	Project Sponsor Match (in millions)	Selected Project Total (in millions)
Complete	131.90	178.50	9,304.14	N/A	\$126.1	\$607.3	\$698.1	\$1,421.2
Construction	52.91	22.06	331.65	N/A	\$64.9	\$96.5	\$77.1	\$290.0
Design	46.47	21.05	508.10	N/A	\$23.5	\$33.1	\$67.1	\$154.8
<i>Potential Project Identified¹²</i>	518.77	184.91	100.00	\$7,599.8	N/A	N/A	N/A	N/A
Grand Total¹³	750.05	406.52	10,243.89	\$7,599.8	\$214.5	\$737.0	\$842.3	\$1,866.0

Projects identified to achieve the MFLs in the South Florida WMD are part of the Comprehensive Everglades Restoration Plan (CERP). Annually, the district provides for the status of these projects as part of its *South Florida Environmental Report* (SFER). **Appendix G** lists the status of the South Florida WMD projects related to its MFLs.¹¹

¹¹ <https://floridadep.gov/STAR>

¹² The projects identified in this category are options that exceed the volume of water that must be created to meet the MFL(s).

¹³ Total excludes 3 cancelled projects that would have made available 0.25 mgd of reuse flow and .02 mgd of nonreuse water.

Appendices

The following appendices can be found [here](#).¹⁴

Appendix A: Northern Everglades BMAPs

Appendix B: Outstanding Florida Springs BMAPs

Appendix C: Surface Water BMAPs for Nutrients

Appendix D: Fecal Indicator Bacteria BMAPs

Appendix E: MFLs and Recovery and Prevention Strategies

Appendix F: Status of Projects Designed to Achieve the MFLs

Appendix G: Recovery and Prevention Strategies

¹⁴ <https://floridadep.gov/STAR>

**Appendix A: Northern Everglades and Estuaries Protection Program
(NEEPP) BMAPs**

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St. Lucie River and Estuary BMAP45

Introduction

In 2007, the Florida Legislature created the NEEPP, which expanded LOPA, which was created in 2000 and found in Section 373.4595, F.S., to include the Caloosahatchee and St. Lucie Rivers and Estuaries. During the 2016 legislative session, the Florida Legislature amended NEEPP (Section 373.4595, F.S.) to strengthen provisions for implementing the BMAPs and further clarify the roles and responsibilities, coordination, implementation, and reporting efforts among the three coordinating agencies: South Florida Water Management District (SFWMD), DEP, and FDACS. The primary goal of the program is to restore and protect the state's surface water resources by addressing the quality, quantity, timing, and distribution of water to the natural system.

Section 373.4595, F.S., requires the NEEPP BMAPs to include milestones for implementation and water quality improvement, and associated water quality monitoring components sufficient to evaluate whether reasonable progress is being achieved over time. Implementation schedules must include 5-, 10-, and 15-year measurable milestones and targets to achieve the TMDLs addressed by the BMAPs no later than 20 years after BMAP adoption. The initial implementation schedule is used to provide guidance for planning and funding purposes and is exempt from Chapter 120, F.S. If restoration within 20 years is not practicable, the schedule must explain the constraints that prevent the achievement of the TMDL within 20 years and additional 5-year milestones, as necessary.

The tables in **Appendix A** list the implementation status of the BMAP projects as of December 31, 2017. The tables list the impairment reduction (in lbs/yr) attributable to each individual project. These projects were submitted to provide reasonable assurance to DEP that each entity has a plan on how to meet its allocation, nutrient reduction obligation, as assigned. However, the list of projects is meant to be flexible enough to allow for changes that may occur over time. During the annual review of BMAP implementation efforts, project-specific information may be revised and updated, resulting in changes to the estimated reductions for those projects. The revisions may increase or decrease estimated reductions, and DEP will work with stakeholders to address revisions as they are identified. For BMAPs in **Appendix A**, DEP works in collaboration with SFWMD, St. Johns River Water Management District (SJRWMD), and Southwest Florida Water Management District (SWFWMD).

The project status column is standardized into the following four categories:

- **Canceled:** Project or activity that was planned but will no longer take place. This includes the cessation of ongoing activities.
- **Completed:** Project, activity, or task that is finished. This includes fully implemented activities (i.e., ongoing activities) that must continue indefinitely to retain assigned credits (such as street sweeping, BMP cleanout, catch basin cleanout, public education, fertilizer cessation/reduction, and vegetation harvesting).
- **Planned:** Project or activity that is conceptual or proposed.

- **Underway:** Project or activity that has commenced or been initiated but is not completed and is not yet reducing nutrient loads from the treated area.

Prior to reporting project information, DEP contacts each lead entity to gather new information on projects and confirm previously reported information. The terms used throughout the project tables are defined as follows:

- **Not provided:** Information was requested by DEP but was not provided by the lead entity.
- **TBD:** To be determined. Information is not currently available but will be provided by the stakeholder when it is available.
- **N/A:** Not applicable. Information for that category is not relevant to that project.
- **0:** Zero. The numeric value for that category is zero.

These project tables are based on information provided to DEP for projects through December 31, 2017, and as further information becomes available project details will be updated in future statewide reports.

FDOT submits project information, but there is no specific cost breakdown for its water quality improvement projects, which are embedded into and implemented as part of larger transportation projects adopted in its Five-Year Work Program, pursuant to Section 339.135, F.S.

The management strategies in **Appendix A** are ranked with a priority of high, medium, or low. In 2016, the Florida Legislature amended the Florida Watershed Restoration Act (FWRA) (Section 403.067, F.S.), creating additional requirements for all new or revised BMAPs. BMAPs must now include planning-level details for each listed project, along with their proposed priority ranking for implementation and funding needs.

Project status was selected as the most appropriate indicator of a project's priority ranking based primarily on need for funding. Projects with a "completed" status were assigned a low priority. Projects classified as "underway" were assigned a medium priority because some resources have been allocated to these projects, but additional assistance may be needed for the project to be completed. High priority was assigned to projects listed with the project status "planned" as well as certain "completed" projects that are ongoing each year (any project with one of these project types: "street sweeping," "catch basin inserts/inlet filter cleanout," "public education efforts," "fertilizer cessation," "fertilizer reduction," or "aquatic vegetation harvesting"), and select projects that are elevated because substantial, subsequent project(s) are reliant on their completion.

Caloosahatchee Estuary BMAP

Background

The Caloosahatchee Estuary Basin is the 277,408-acre (ac) watershed that drains into the tidal portion of the Caloosahatchee system—excluding the watersheds that contribute flows to the estuary at S-79 (**Figure A-1**).

DEP identified the Caloosahatchee Estuary as impaired for DO and nutrients. In August 2009, DEP adopted the Caloosahatchee Estuary TMDL, which established a reduction target for TN in the Caloosahatchee Estuary, downstream of the Franklin Lock and Dam (S-79), to restore chlorophyll *a* levels. The Caloosahatchee Estuary BMAP was adopted in November 2012 to implement the TN TMDL.

Status of Projects

Through December 31, 2017, 92 projects were completed. An additional 20 projects that are underway or planned were identified to add to the BMAP. The projects completed to date are estimated to achieve total reductions of 230,503 lbs/yr of TN, or 59 % of the reductions needed to meet the portion of the TN TMDL allocated to the Caloosahatchee Estuary Basin.

The Caloosahatchee Estuary BMAP is governed by Paragraph 373.4595, F.S., as part of NEEPP. The primary goal of this program is to restore and protect the state's surface water resources by addressing the quality, quantity, timing, and distribution of water to the natural system. The statutory milestones for implementation and water quality improvement, and the associated water quality monitoring component, were included in the 5-Year Review for the Caloosahatchee Estuary BMAP, completed in November 2017, and will be adopted into the next revision of the BMAP.

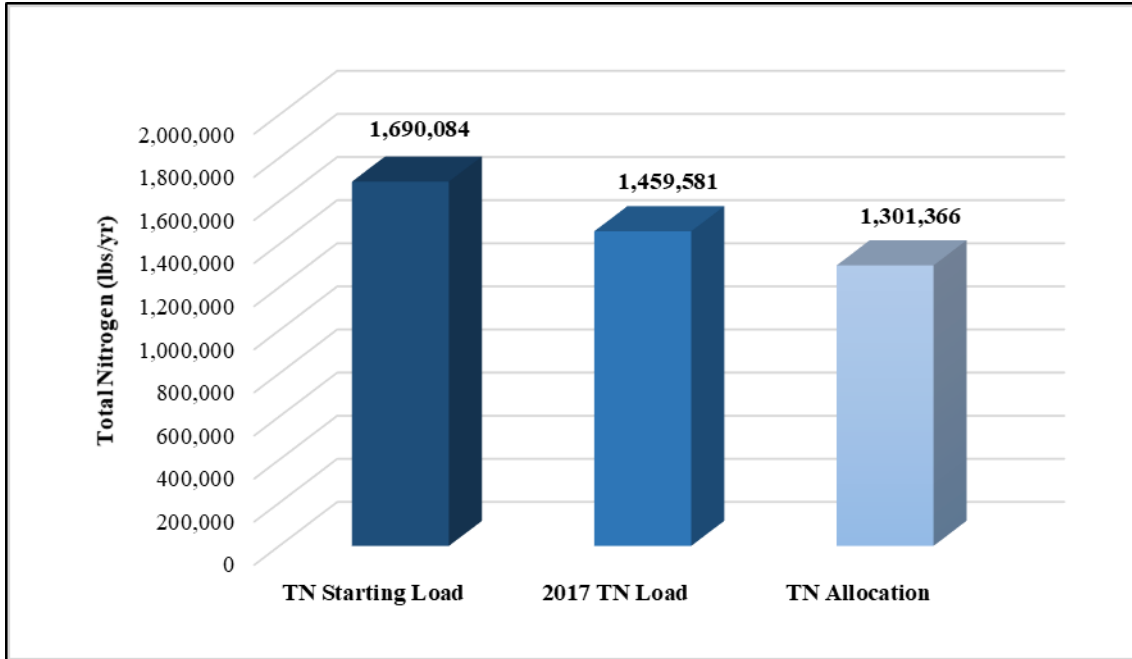


Figure A-1. Estimated progress meeting the portion of the TMDL allocated to the Tidal Caloosahatchee Basin. Reductions are associated with projects completed through December 31, 2017.

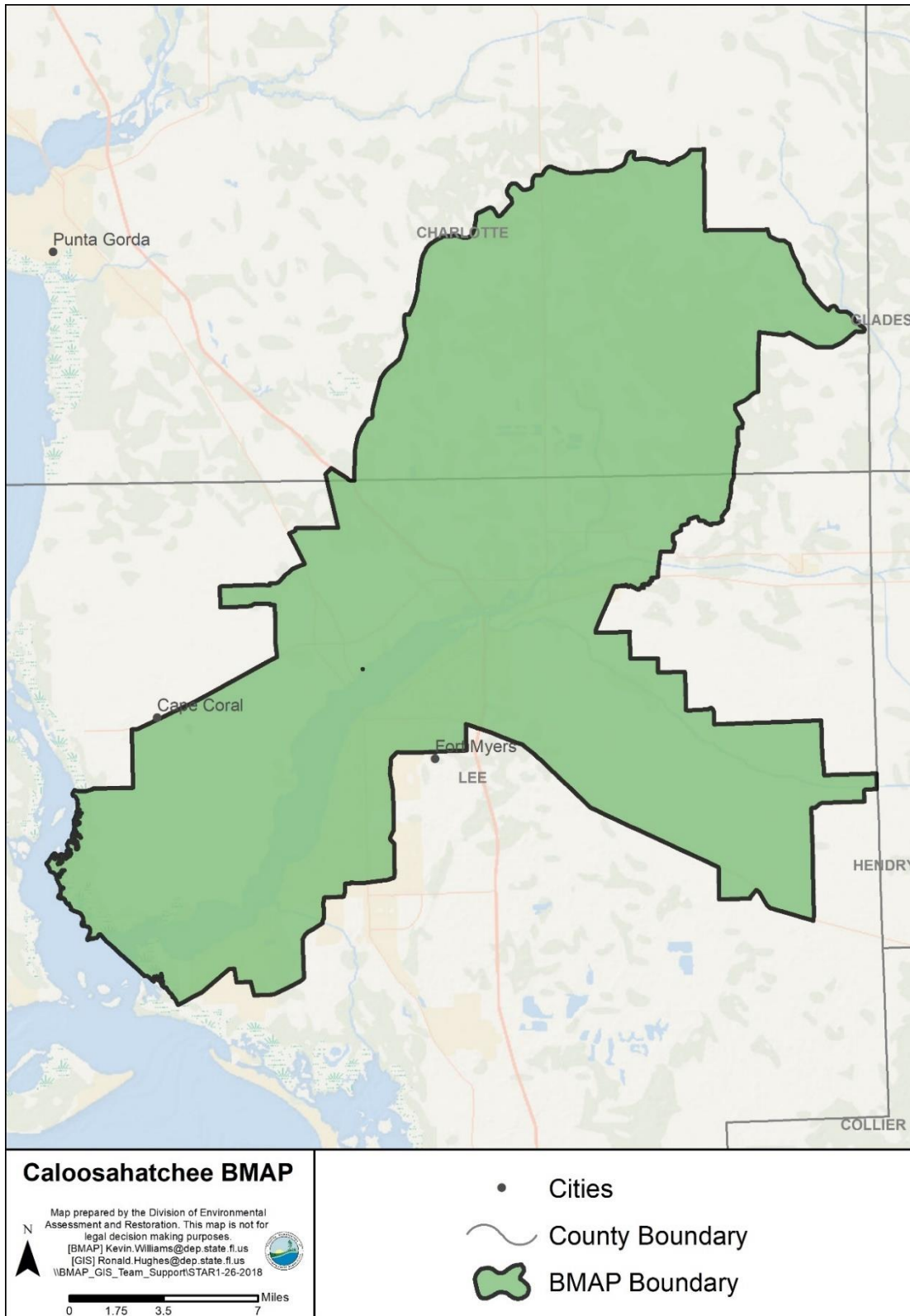


Figure A-2. Caloosahatchee Estuary BMAP area

Table A-1. Caloosahatchee Estuary BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Charlotte County	Not provided	CH-01	Education Efforts	Florida Yards and Neighborhoods™ (FYN) Program; landscape, irrigation, and fertilizer ordinances; pamphlets, public service announcements (PSAs), website, inspection/Illicit Discharge Program.	Education Efforts	Completed	Prior to 2012	381	N/A	Tidal Caloosahatchee	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Cape Coral	University of Florida Institute of Food and Agricultural Sciences (UF-IFAS)	CC-01	Education Efforts	FYN; landscape, irrigation, pet waste, and fertilizer ordinances; pamphlets, PSAs, website, and Illicit Discharge Program.	Education Efforts	Completed	Prior to 2012	15,429	N/A	Tidal Caloosahatchee	N/A	Not provided	\$2,000	City	Not provided	N/A
City of Cape Coral	N/A	CC-02	SE – 1 Swale/Inlet Replacement	Installed raised inlets to provide additional water quality in roadside swales.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Cape Coral	N/A	CC-03	SW – 1 Swale/Inlet Replacement	Installed raised inlets to provide additional water quality in roadside swales.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Cape Coral	N/A	CC-04	SW – 2 Swale/Inlet Replacement	Installed raised inlets to provide additional water quality in roadside swales.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Cape Coral	N/A	CC-05	SW – 3 Swale/Inlet Replacement	Installed raised inlets to provide additional water quality in roadside swales.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Cape Coral	DEP	CC-06	SW – 4 Swale/Inlet Replacement	Installed raised inlets to provide additional water quality in roadside swales.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	Not provided	Not provided	Not provided	City	\$171,911	TBD
City of Cape Coral	DEP	CC-07	SW – 5 Swale/Inlet Replacement	Installed raised inlets to provide additional water quality in roadside swales.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	Not provided	Not provided	Not provided	City	\$172,629	TBD
City of Cape Coral	N/A	CC-08	SE Pipe Replacement	SE pipe replacement.	Stormwater System Rehabilitation	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Cape Coral	N/A	CC-09	Unit 23 – SE 8th St. Drainage	Unit 23 – SE 8th St. drainage.	Stormwater System Rehabilitation	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	Not provided	Not provided	Not provided	City	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Cape Coral	N/A	CC-10	Freshwater Canal Detention	Regulation of freshwater canals through existing control structures.	Control Structure	Completed	Prior to 2012	39,971	N/A	Tidal Caloosahatchee	10,702	Not provided	Not provided	City	Not provided	N/A
City of Cape Coral	N/A	CC-11	Freshwater Canal Irrigation	Pump stormwater stored in canals into irrigation supply network.	Stormwater Reuse	Completed	Prior to 2012	27,670	N/A	Tidal Caloosahatchee	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Cape Coral	N/A	CC-12	Weir #6 Elevation/ Basin 12	Installed riser on weir in freshwater canal system to provide additional retention volume in canals.	Control Structure	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	932	Not provided	Not provided	City	Not provided	N/A
City of Cape Coral	N/A	CC-13	Weir #1 Elevation/ Basin 15	Installed riser on weir in freshwater canal system to provide additional retention volume in canals.	Control Structure	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	1,314	Not provided	Not provided	City	Not provided	N/A
City of Cape Coral	N/A	CC-14	Street Sweeping	Street sweeping of downtown area, alleys, and commercial roads.	Street Sweeping	Completed	2014	1,084	N/A	Tidal Caloosahatchee	N/A	Not provided	\$360,000	City	Not provided	N/A
City of Cape Coral	N/A	CC-15	Septic to Sewer Phase Out Project	Phase out septic tanks in Southwest 6/7 area.	Wastewater Service Area Expansion	Completed	2015	TBD	N/A	Tidal Caloosahatchee	2,560	Not provided	Not provided	City	Not provided	N/A
City of Cape Coral	N/A	CC-16	Catch Basin Cleanout	Catch basin cleanouts from Caloosahatchee Watershed areas.	Catch Basin Insert/Inlet Filter Cleanout	Completed	2015	590	N/A	Tidal Caloosahatchee	Not provided	Not provided	\$170,000	City	Not provided	N/A
City of Fort Myers	Not provided	FM-01	Manuel's Branch Watershed Improvements	Exfiltration trenches.	Exfiltration Trench	Completed	Prior to 2012	836	N/A	Tidal Caloosahatchee	125	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-02	Education Efforts	FYN, fertilizer ordinance, pamphlets, PSAs, website, Illicit Discharge Program.	Education Efforts	Completed	Prior to 2012	2,101	N/A	Tidal Caloosahatchee	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-03	Utility and Streetscape Improvements	Installation of Stormceptors™.	Stormceptor™ Unit	Completed	Prior to 2012	40	N/A	Tidal Caloosahatchee	118	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-04	Manuel's Branch Siltation Structures	Installation of siltation structure designed to receive incoming flow, reduce its velocity, and allow settling of suspended particles.	Control Structure	Completed	Prior to 2012	1,078	N/A	Tidal Caloosahatchee	643	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-05	Manuel's Branch Control Structures	Series of 2 weirs constructed along Manuels Branch between Royal Palm Ave. and Grand Ave. that act as detention structures for purpose of increasing storage and attenuation in canal.	Control Structure	Completed	Prior to 2012	2,202	N/A	Tidal Caloosahatchee	438	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-06	Billy's Creek Wetland	Filter marsh park.	Filter Marsh	Completed	Prior to 2012	4,025	N/A	Tidal Caloosahatchee	1,632	Not provided	Not provided	Not provided	Not provided	N/A

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City of Fort Myers	Not provided	FM-07	Brookhill Utility Drainage Improvement	Installation of Stormceptors™.	Stormceptor™ Unit	Completed	2013	11	N/A	Tidal Caloosahatchee	28	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-08	Street Sweeping	Four zones swept at varying frequencies based on pollutant accumulation.	Street Sweeping	Completed	Prior to 2012	2,582	N/A	Tidal Caloosahatchee	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-09	Ford St. Preserve	Constructed wetland treatment system that removes pollutants from Ford St. Canal, which serves 811 ac of highly urbanized watershed.	Wetland Treatment	Completed	2015	7,293	N/A	Tidal Caloosahatchee	811	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-10	Riverfront Development Phase 1	Wet detention pond.	Wet Detention Pond	Completed	2013	90	N/A	Tidal Caloosahatchee	15	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-11	Carrell Canal Water Quality Retrofit	Two detention areas, 5 filter marshes, and golf course renovation.	BMP Treatment Train	Completed	2014	1,275	N/A	Tidal Caloosahatchee	848	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-12	Aquashores Neighborhood	Installation of 2 Stormceptors™.	Stormceptor™ Unit	Completed	2016	TBD	N/A	Tidal Caloosahatchee	9	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-13	Billy and High St. Drainage Improvement	Neighborhood improvement project.	BMP Treatment Train	Underway	2018	TBD	N/A	Tidal Caloosahatchee	9	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-14	Ridgewood Park Neighborhood Improvements	Neighborhood improvement projects to be done in phases.	BMP Treatment Train	Planned	2019	TBD	N/A	Tidal Caloosahatchee	242	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-15	Midtown Redevelopment	Area improvements including water quality improvements.	BMP Treatment Train	Planned	2019	TBD	N/A	Tidal Caloosahatchee	183	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Myers	Not provided	FM-16	Edgewood Neighborhood Improvements	Neighborhood improvement projects to be done in phases.	BMP Treatment Train	Planned	2020	TBD	N/A	Tidal Caloosahatchee	336	Not provided	Not provided	Not provided	Not provided	N/A
Lehigh Acres Municipal Services Improvement District (LA-MSID) (formerly East County Water Control District [ECWCD])	Not provided	EC-01	Education/Fertilizer	Fertilizer education.	Education Efforts	Completed	Prior to 2012	1,646	N/A	Tidal Caloosahatchee	N/A	Not provided	Not provided	Not provided	Not provided	N/A
LA-MSID (formerly ECWCD)	Not provided	EC-02	Freshwater Canal Detention	Regulation of freshwater canals through existing control structures.	Control Structure	Completed	Prior to 2012	7,940	N/A	Tidal Caloosahatchee	32,555	Not provided	Not provided	Not provided	Not provided	N/A

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LA-MSID (formerly ECWCD)	Not provided	EC-03	Weir Elevation Improvements	Replacement of weir structures at increased control elevations to provide additional attenuation.	Control Structure	Completed	Prior to 2012	7,543	N/A	Tidal Caloosahatchee	32,555	Not provided	Not provided	Not provided	Not provided	N/A
LA-MSID (formerly ECWCD)	Not provided	EC-04	Harn's Marsh Phases I and II	Replacement of weir structures and redirection of flows into filter marsh.	Control Structure	Completed	Prior to 2012	4,682	N/A	Tidal Caloosahatchee	32,555	Not provided	Not provided	Not provided	Not provided	N/A
LA-MSID (formerly ECWCD)	Not provided	EC-05	Jim Flemming Eco-Park	Wetland rehydration and treatment.	Hydrologic Restoration	Completed	Prior to 2012	39	N/A	Tidal Caloosahatchee	5	Not provided	Not provided	Not provided	Not provided	N/A
LA-MSID (formerly ECWCD)	Not provided	EC-06	Mirror Lake Phase I	Detention pond.	Wet Detention Pond	Completed	2013	1,357	N/A	Tidal Caloosahatchee	32,555	Not provided	Not provided	Not provided	Not provided	N/A
LA-MSID (formerly ECWCD)	DEP/ FDOT	EC-07	Aquifer Benefit and Storage for Orange River Basin (Southwest Lehigh Weirs)	Increase canal control elevations and local groundwater levels by constructing 25 new weirs.	Control Structure	Completed	2017	1,975	N/A	Tidal Caloosahatchee	5,760	\$2,532,311	Not provided	DEP/ FDOT	DEP – \$1,224,800 FDOT – \$1,903,200	S0721
LA-MSID (formerly ECWCD)	N/A	EC-08	S-AW-2 Weir Elevation Improvements	Replacement of weir structures at increase control elevations to provide additional attenuation.	Control Structure	Completed	2017	325	N/A	Tidal Caloosahatchee	640	\$400,000	\$15,000	LA-MSID	\$400,000	N/A
LA-MSID (formerly ECWCD)	SFWMD	EC-09	Mirror Lake Phase 2	Detention pond.	Wet Detention Pond	Underway	2018	4,938	N/A	Tidal Caloosahatchee	32,555	\$500,000	TBD	LA-MSID/ SFWMD	LA-MSID – \$300,000 SFWMD – \$200,000	N/A
LA-MSID (formerly ECWCD)	FDOT/ Lee County	EC-10	West Marsh Preserve	Wetland rehydration and treatment.	Hydrologic Restoration/ Filter Marsh	Underway	2020	2,015	N/A	Tidal Caloosahatchee	32,555	\$12,000,000	TBD	LA-MSID/ FDOT/ Lee County	LA-MSID – \$2,368,300 FDOT – \$5,000,000 Lee County – \$4,631,700	N/A
LA-MSID (formerly ECWCD)	Natural Resources Conservation Service (NRCS)/ Federal Emergency Management Agency (FEMA)	EC-11	S-H-2 Weir Replacement	Replace failed fabrifform weir.	Control Structure	Underway	2019	TBD	TBD	Freshwater Caloosahatchee	1,100	\$675,000	TBD	NRCS/ FEMA/ LA-MSID	TBD	TBD
LA-MSID (formerly ECWCD)	FDOT	EC-12	Hendry Canal Widening	Widen 3 miles (mi) of Hendry Ext. Canal. Create additional stormwater storage in canal system.	Hydrologic Restoration/ Filter Marsh	Underway	2021	TBD	TBD	Freshwater Caloosahatchee	4,100	\$5,000,000	TBD	LA-MSID/ FDOT	TBD	TBD

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FDACS	N/A	FDACS-01	BMP Enrollment	Agricultural BMPs.	Agricultural BMPs	Completed	Prior to 2012	30,744	N/A	Tidal Caloosahatchee	18,628	N/A	N/A	N/A	N/A	N/A
FDOT	N/A	FDOT-01	Existing Stormwater Dry Ponds	Dry detention pond; Facility ID = 12010-3505-01.	Dry Detention Pond	Completed	Prior to 2012	33	N/A	Tidal Caloosahatchee	2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-02	Existing Stormwater Dry Ponds	Dry detention pond; Facility ID = 12060-3530-01.	Dry Detention Pond	Completed	Prior to 2012	4	N/A	Tidal Caloosahatchee	2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-03	Existing Stormwater Dry Ponds	Dry detention pond; Facility ID = 12060-3530-02.	Dry Detention Pond	Completed	Prior to 2012	4	N/A	Tidal Caloosahatchee	2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-04	Discontinue Fertilization	No longer fertilizing rights-of-way in watershed.	Fertilizer Cessation	Completed	Prior to 2012	1,941	N/A	Tidal Caloosahatchee	465	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-05	Education Efforts	Pamphlets, PSAs, Illicit Discharge Program.	Education Efforts	Completed	Prior to 2012	232	N/A	Tidal Caloosahatchee	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-06	Street Sweeping	2,992 mi of pavement swept annually.	Street Sweeping	Completed	Prior to 2012	577	N/A	Tidal Caloosahatchee	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-07	Ditch Blocked Swales	Swales with ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts; Facility ID = 12020-3538-02	Completed	Prior to 2012	293	N/A	Tidal Caloosahatchee	56	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-08	Ditch Blocked Swales	Swales with ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts; Facility ID = 12020-3541-01	Completed	Prior to 2012	192	N/A	Tidal Caloosahatchee	55	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-09	Ditch Blocked Swales	Swales with ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2013	341	N/A	Tidal Caloosahatchee	55	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-10	Swales without Ditch Blocks	Swales without blocks.	Grass Swales without Swale Blocks or Raised Culverts	Completed	Prior to 2014	4,949	N/A	Tidal Caloosahatchee	1,353	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-11	Existing Stormwater Wet Ponds	F12001-3516-01.	Wet Detention Pond	Completed	Prior to 2015	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-12	Existing Stormwater Wet Ponds	F12001-3516-02.	Wet Detention Pond	Completed	Prior to 2016	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-13	Existing Stormwater Wet Ponds	F12040-3514-01.	Wet Detention Pond	Completed	Prior to 2017	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-14	Existing Stormwater Wet Ponds	F12040-3515-01.	Wet Detention Pond	Underway	Prior to 2018	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-15	Existing Stormwater Wet Ponds	F12040-3515-02.	Wet Detention Pond	Underway	Prior to 2019	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A

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FDOT	N/A	FDOT-16	Existing Stormwater Wet Ponds	F12040-3515-03.	Wet Detention Pond	Underway	Prior to 2020	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-17	Existing Stormwater Wet Ponds	F12040-3515-04.	Wet Detention Pond	Underway	Prior to 2021	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-18	Existing Stormwater Wet Ponds	F12060-3530-03.	Wet Detention Pond	Underway	Prior to 2022	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-19	Existing Stormwater Wet Ponds	F12060-3533-01.	Wet Detention Pond	Underway	Prior to 2023	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-20	Existing Stormwater Wet Ponds	F12060-3533-02.	Wet Detention Pond	Underway	Prior to 2024	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-21	Existing Stormwater Wet Ponds	F12060-3533-03.	Wet Detention Pond	Underway	Prior to 2025	241	N/A	Tidal Caloosahatchee	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-22	State Road (SR) 78 Project	Wet detention pond. FM195705-1, Pond SMF 1A.	Wet Detention Pond	Underway	Prior to 2026	38	N/A	Tidal Caloosahatchee	20	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-23	SR 78 Project	Wet detention pond. FM195705-1, Pond SMF 1D.	Wet Detention Pond	Underway	Prior to 2027	47	N/A	Tidal Caloosahatchee	20	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-24	SR 78 Project	Wet detention pond. FM195705-1, Pond SMF 2B.	Wet Detention Pond	Underway	Prior to 2028	71	N/A	Tidal Caloosahatchee	20	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-25	SR 78 Project	Wet detention pond. FM195705-1, Pond SMF 4C.	Wet Detention Pond	Underway	Prior to 2029	108	N/A	Tidal Caloosahatchee	20	Not provided	Not provided	Florida Legislature	Not provided	N/A
Lee County	N/A	LC-01	Yellow Fever Creek Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	32	N/A	Tidal Caloosahatchee	220	\$3,323,506	\$11,703	County	\$3,323,506	N/A
Lee County	N/A	LC-02	Billy's Creek Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	17	N/A	Tidal Caloosahatchee	51	\$2,500,000	N/A	County	\$2,500,000	N/A
Lee County	SFWMD	LC-03	Six Mile Cypress Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	13	N/A	Tidal Caloosahatchee	1,219	\$71,475,196	\$149,212	County/SFWMD	Not provided	N/A
Lee County	SFWMD/ National Oceanic and Atmospheric Administration (NOAA)	LC-04	Bob Jane's Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	1,979	\$41,538,620	\$639,924	County/SFWMD/NOAA	Not provided	N/A
Lee County	N/A	LC-05	Buckingham Trails Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	13	N/A	Tidal Caloosahatchee	576	\$12,584,000	\$18,708	County	\$12,584,000	N/A
Lee County	Florida Communities Trust (FCT)	LC-06	Caloosahatchee Creeks Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	15	N/A	Tidal Caloosahatchee	911	\$8,175,706	\$81,323	County	\$8,175,706	N/A
Lee County	N/A	LC-07	Deep Lagoon Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	3	N/A	Tidal Caloosahatchee	117	\$4,475,664	\$9,915	County	\$4,475,664	N/A

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Lee County	N/A	LC-08	Hickory Swamp Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	3	N/A	Tidal Caloosahatchee	67	\$467,000	\$3,856	County	\$467,000	N/A
Lee County	N/A	LC-09	Orange River Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	3	N/A	Tidal Caloosahatchee	59	\$1,755,000	\$2,966	County	\$1,755,000	N/A
Lee County	FCT	LC-10	Prairie Pines Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	3	N/A	Tidal Caloosahatchee	331	\$11,790,530	\$190,454	County	\$11,790,530	N/A
Lee County	N/A	LC-11	Telegraph Creek Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	1,715	\$23,900,000	\$54,639	County	\$23,900,000	N/A
Lee County	N/A	LC-12	West Marsh Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	3	N/A	Tidal Caloosahatchee	218	\$4,631,625	N/A	County	\$4,631,625	N/A
Lee County	N/A	LC-13	Yellow Fever Creek Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	118	\$3,323,507	\$11,703	County	\$3,323,507	N/A
Lee County	UF-IFAS Lee County Extension	LC-15	Education Efforts	FYN; landscape, irrigation, and fertilizer ordinances; pamphlets, PSAs, website, Illicit Discharge Program.	Education Efforts	Completed	Prior to 2012	20,445	N/A	Tidal Caloosahatchee	N/A	\$392,441	Not provided	County	Not provided	N/A
Lee County	N/A	LC-16	Street Sweeping	Materials from roadway and gutter sweeping.	Street Sweeping	Completed	Prior to 2012	595	N/A	Tidal Caloosahatchee	N/A	\$694,176	Not provided	County	Not provided	N/A
Lee County	N/A	LC-17	North Fort Myers Surface Water Restoration: Powell Creek Extension and Lost Lane Levee	Conveyance improvements to increase residence time, rehydrate offsite wetlands on adjacent properties, and accommodate offsite flows.	Hydrologic Restoration	Completed	2013	2,976	N/A	Tidal Caloosahatchee	397	\$3,485,817	\$17,101	County	Not provided	N/A
Lee County	N/A	LC-18	Whiskey Creek Weir Reconstruction	Retention lake weir repairs to restore originally intended design and operation.	Control Structure	Completed	Prior to 2012	3,364	N/A	Tidal Caloosahatchee	550	Not provided	Not provided	County	Not provided	N/A
Lee County	SFWMD/ U.S. Fish and Wildlife Service (FWS)	LC-19	Caloosahatchee Creeks	Hydrologic restoration.	Hydrologic Restoration	Completed	Prior to 2012	4,251	N/A	Tidal Caloosahatchee	6,567	Not provided	Not provided	County/ SFWMD/ FWS	Not provided	N/A
Lee County	DEP/ SFWMD	LC-20	Powell Creek Filter Marsh	Created wetland areas, boardwalks, and trails, and stabilized crossing of Powell Creek.	Filter Marsh	Completed	2013	1,693	N/A	Tidal Caloosahatchee	1,170	\$1,440,000	\$38,395	County/ SFWMD/ DEP	Not provided	S0606
Lee County	DEP	LC-21	Nalle Grade Stormwater Park	Dry retention and wet detention ponds.	Stormwater Treatment Area (STA)	Underway	TBD	1,377	N/A	Tidal Caloosahatchee	720	\$3,500,000	TBD	County/ DEP	DEP – \$500,000 Pending 319(h) FY 2017 grant – \$500,000	S0727

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Lee County	SFWMD	LC-22	Deep Lagoon Hydrologic Restoration	Hydrologic restoration and enhancement, water conservation, wildlife habitat enhancement, and flood protection for surrounding area.	Hydrologic Restoration	Completed	Prior to 2012	3,097	N/A	Tidal Caloosahatchee	1,022	\$210,959	Not provided	County/ SFWMD	Not provided	N/A
Lee County	DEP	LC-23	Popash Creek Restoration	Hydrologic restoration to more natural flow regime by increasing water storage on property and improving both onsite and offsite flows.	Hydrologic Restoration	Completed	Prior to 2012	6,596	N/A	Tidal Caloosahatchee	3,517	\$1,726,625	\$16,920	County/ DEP	Not provided	LP6838
Lee County	City of Fort Myers	LC-24	Billy's Creek Wetland	Billy Creek Filter Marsh Park.	Filter Marsh	Completed	Prior to 2012	2,684	N/A	Tidal Caloosahatchee	1,632	\$2,500,000	Not provided	County/ City of Fort Myers	Not provided	N/A
Lee County	DEP	LC-25	Caloosahatchee Creeks Preserve – West Restoration	Hydrologic restoration.	Hydrologic Restoration	Completed	2016	110	N/A	Tidal Caloosahatchee	1,295	\$250,000	Not provided	County/ DEP	Not provided	S0849
Lee County	DEP	LC-26	Yellow Fever Creek – Gator Slough Transfer Facility	Return historical flow from Gator Slough Canal system to Yellow Fever Creek.	Hydrologic Restoration	Underway	TBD	TBD	N/A	Tidal Caloosahatchee	TBD	TBD	TBD	County/ DEP	Not provided	S0840
Lee County	DEP	LC-27	Prairie Pines Preserve Restoration	Restoration of historical flows and enhancement and restoration of wetlands.	Hydrologic Restoration	Planned	TBD	TBD	N/A	Tidal Caloosahatchee	2,334	\$500,000	\$28,295	County/ DEP	TBD	S0895
Lee County	N/A	LC-28	BMAP Plan Development – Basin Study	Basin study to identify pollutant sources and identify further actions to reach reduction goals.	Study	Completed	2017	N/A	N/A	Tidal Caloosahatchee	N/A	\$195,831	N/A	County	\$195,831	N/A
Lee County	N/A	LC-29	Caloosahatchee River – North Fort Myers Nutrient and Bacteria Source Identification Study	Watershed study to investigate interactions between OSTDS, groundwater, and surface water in Caloosahatchee Estuary.	Study	Underway	2018	N/A	N/A	Tidal Caloosahatchee	N/A	\$181,352	N/A	County	\$181,532	N/A
Lee County	N/A	LC-30	Waterway Estates Wastewater Treatment Facility (WWTF) Closure	Closure of facility with direct discharge to Caloosahatchee.	WWTF Diversion to Reuse	Completed	2012	307	N/A	Tidal Caloosahatchee	N/A	\$61,565	N/A	County	\$61,565	N/A
Lee County	SFWMD/ FDOT	LC-31	Six Mile Cypress Preserve North Hydrologic Restoration	Wetland creation, addition of control structures, berms, berm breaches to connect natural and created wetlands, and restoration of historical hydrologic conditions to reduce discharge into Caloosahatchee River.	Hydrologic Restoration	Completed	2017	TBD	TBD	Tidal Caloosahatchee	Not provided	Not provided	Not provided	County/ SFWMD/ FDOT	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Lee County	DEP/ SFWMD	LC-32	Bob Jane's Preserve Environmental Restoration	Hydrologic improvements in portion of preserve via berms, beaches, and ditch blocks.	Hydrologic Restoration	Completed	2017	TBD	N/A	Tidal Caloosahatchee	Not provided	Not provided	Not provided	County/ DEP/ SFWMD	Not provided	S0871
Lee County	DEP	LC-33	Telegraph Creek Preserve	Ditch blocks and native plantings in conveyances.	Hydrologic Restoration	Completed	2017	TBD	N/A	Tidal Caloosahatchee	Not provided	\$107,337	\$54,639	County/ DEP	Not provided	S0873
Lee County	LA-MSID/ FDOT	LC-34	West Marsh Preserve Filter Marsh	Creation and enhancement of wetland marsh ecosystem, including hydraulic connection for water quality improvement and stormwater attenuation.	Filter Marsh	Underway	TBD	TBD	N/A	Tidal Caloosahatchee	TBD	TBD	TBD	County/ LA-MSID	Not provided	N/A
Lee County	DEP/ SFWMD	LC-35	C-43 Water Quality Treatment and Testing Facility Project (study/land acquisition)	Project to demonstrate and implement cost-effective, wetland-based strategies for reduction of dissolved organic nitrogen (DON).	Study	Underway	TBD	N/A	N/A	Upstream of Estuary BMAP	N/A	\$10,000,000	N/A	County/ DEP/ SFWMD	Not provided	N/A
Lee County	DEP/ SFWMD	LC-36	Fichter's Creek Restoration Project	Restoration of hydroperiod and water quality in Fichter's Creek.	Hydrologic Restoration	Underway	TBD	1,453	N/A	Upstream of Estuary BMAP	TBD	\$2,000,000	TBD	County/ DEP/ SFWMD	Not provided	S0893
Lee County	DEP	LC-37	Spanish Creek at Daniel's Preserve Restoration	Restoration of wetland hydroperiod and sheet flow attenuation.	Hydrologic Restoration	Underway	TBD	112	N/A	Upstream of Estuary BMAP	TBD	\$400,000	TBD	County/ DEP	Not provided	S0732
Lee County	Not provided	LC-38	Deep Lagoon Pollutant Load Reduction Phase 2 – Watershed Analysis Report	Basin study to identify pollutant sources and identify further actions to reach reduction goals.	Study	Underway	TBD	N/A	N/A	Tidal Caloosahatchee	N/A	\$70,000	N/A	County	Not provided	N/A
Lee County	DEP	LC-39	North Fort Myers Florida Power and Light (FPL) Feasibility Study	Identify areas of high nutrient loads and potential BMPs to improve water quality and reduce flooding.	Study	Underway	TBD	N/A	N/A	Tidal Caloosahatchee	N/A	\$200,000	N/A	County/ DEP	DEP: \$200,000	S0894
Lee County	DEP	LC-40	Sunniland/Nine Mile Run Drainage Improvements	Replacement of failing water control structures (WCS) and reconnection of flow-ways to Hickory Swamp and Buckingham Trails Preserve.	Hydrologic Restoration	Planned	TBD	TBD	N/A	Tidal Caloosahatchee	TBD	\$2,000,000	TBD	County/ DEP	Not provided	LP3602B
Lee County	City of Fort Myers	LC-41	Caloosahatchee Tributary Canal Rehabilitation: L-3	Reshaping canal banks, littoral planting, and possible addition of control structure(s).	Regional Stormwater Treatment	Planned	TBD	TBD	N/A	Tidal Caloosahatchee	TBD	\$500,000	TBD	County/ City of Fort Myers	Not provided	N/A
Lucaya Community Development District (CDD)	N/A	LU-01	Education/Fertilizer	Education.	Education Efforts	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Lucaya CDD	N/A	LU-02	Education/Pet Waste	Education.	Education Efforts	Completed	Prior to 2012	0	N/A	Tidal Caloosahatchee	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lake Okeechobee BMAP

Background

Lake Okeechobee is the largest lake in the southeastern United States. It is a shallow, eutrophic lake with an average depth of nine feet. The Lake Okeechobee Watershed (LOW) covers more than 2,944,000 ac and consists of 9 subwatersheds (**Figure A-2**). In 2001, DEP adopted a TP TMDL for Lake Okeechobee after 9 lake segments were identified as impaired by TP. The TMDL is a TP load to Lake Okeechobee of 308,647 lbs/yr (140 metric tons per year [mt/yr]), of which 77,162 lbs/yr fall directly on the lake through atmospheric deposition. The remaining 231,556 lbs/yr of TP are allocated to the entire LOW. The Lake Okeechobee BMAP was adopted in December 2014 to implement the TP TMDL.

Status of Projects

Load reductions are currently considered only for projects located in the six northern subwatersheds. In 2017, revisions to the Watershed Assessment Model (WAM) were completed, and the East, South, and West Lake Okeechobee Subwatersheds were incorporated into the tool used to estimate project load reductions. With the updated tool, subwatershed existing loads and project nutrient reduction benefits for the entire LOW can be updated.

Through December 31, 2017, 166 projects were completed in the northern subwatersheds. An additional 54 projects that are underway or planned were identified to add to the BMAP. The projects completed to date in the northern subwatersheds are estimated to achieve total reductions of 175,785 lbs/yr of TP, or 23 % of the reductions needed to meet the TP TMDL.

The Coordinating Agencies (DEP, SFWMD, and FDACS) are working on additional projects that will also achieve nutrient reductions. These projects are listed in **Table A-2** with project numbers beginning with "CA-," and the reductions shown are coarse estimates developed with the best available information. **Table A-2** also lists projects coordinated by SFWMD or FDACS within the LOW. Many of these projects are dependent on annual legislative funding. For SFWMD dispersed water management projects, the completion date is the construction completion date, at which time the project is considered complete and operating. FDACS projects include lands enrolled in the BMP Program, and hybrid wetland treatment technology (HWTT) and floating aquatic vegetation treatment (FAVT) projects funded through the agency. New projects will continue to be developed and identified in conjunction with local stakeholders, and several Coordinating Agency initiatives are underway to plan for projects and gather additional data.

The Lake Okeechobee BMAP is governed by Paragraph 373.4595, F.S., as part of NEEPP. The primary goal of this program is to restore and protect the state's surface water resources by addressing the quality, quantity, timing and distribution of water to the natural system. The statutory milestones for implementation and water quality improvement, and the associated water quality monitoring component, will be included in the 5-Year Review for the Lake Okeechobee BMAP, due to the Legislature and Governor in December 2019, and will be adopted into the next revision of the BMAP.

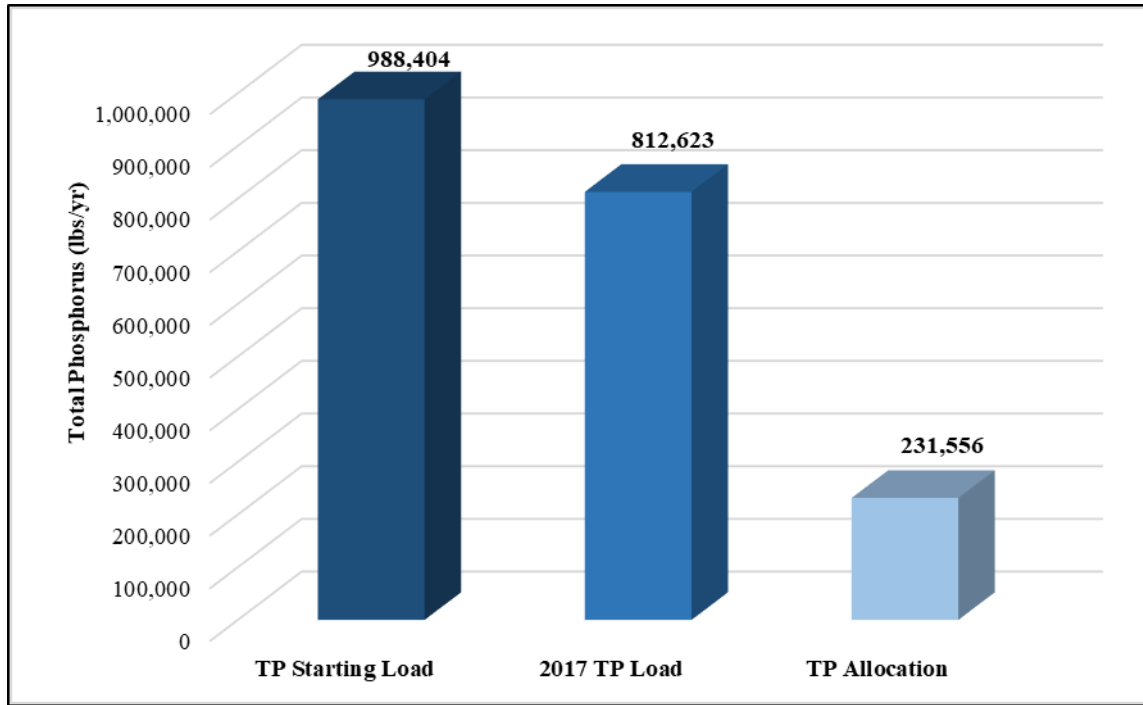


Figure A-3. Estimated progress toward meeting the Lake Okeechobee TMDL. Reductions are associated with projects completed through Decembr 31, 2017.

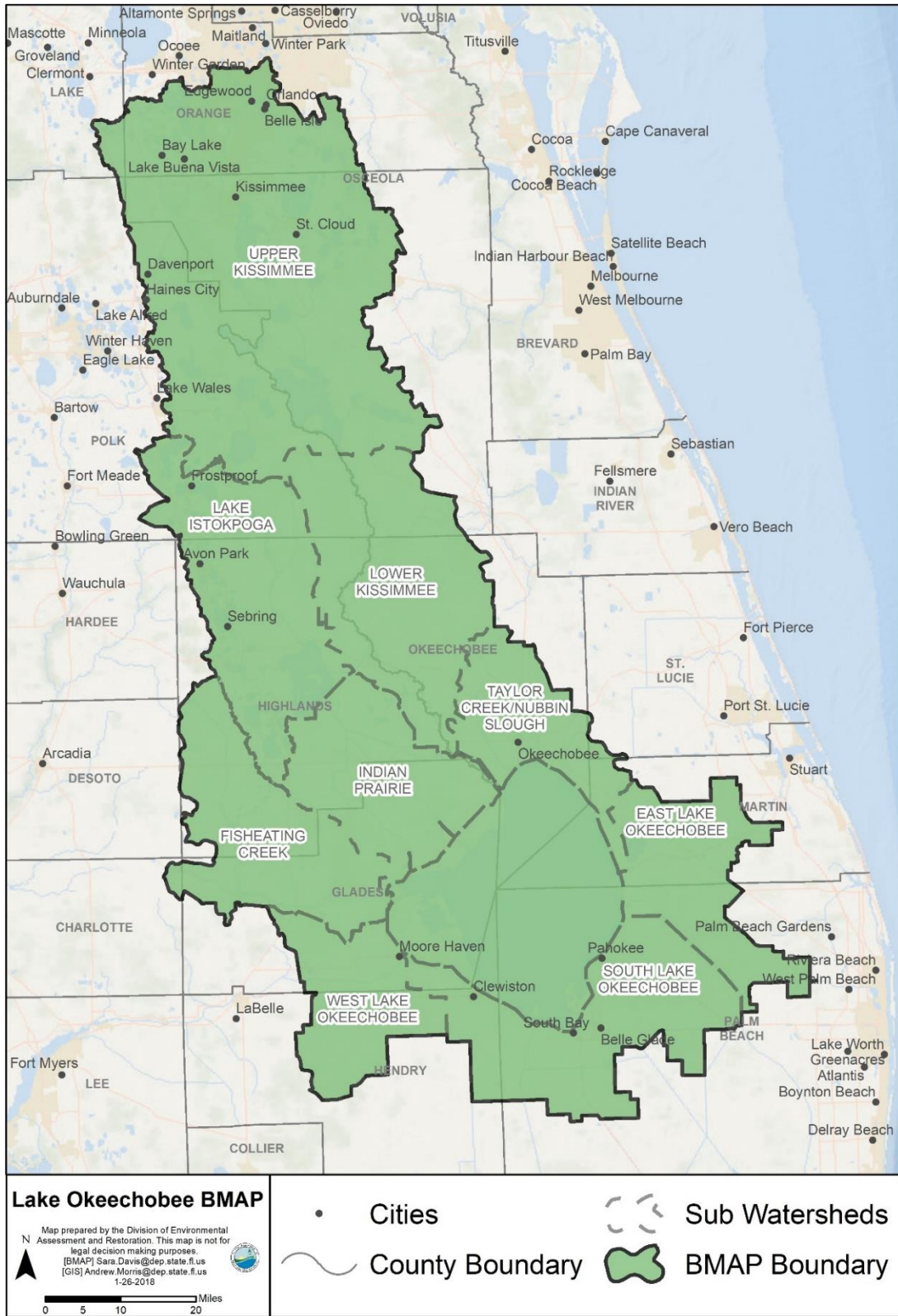


Figure A-4. Lake Okeechobee BMAP area

Table A-2. Lake Okeechobee BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Avon Park	Not provided	AP-01	Avon Park Street Sweeping	Street sweeping.	Street Sweeping	Underway	N/A	25	10	Lake Istokpoga	N/A	Not provided	Not provided	City	Not provided	N/A
City of Avon Park	Not provided	AP-02	Lake Tulane Stormwater Improvement Project	Runoff will be captured in series of swales that will allow runoff to percolate into sandy soils, preventing further degradation of Lake Tulane.	Grass Swales Without Swale Blocks or Raised Culverts	Underway	TBD	36	4	Lake Istokpoga	32.1	Not provided	Not provided	City/SWFWMD	Not provided	N/A
City of Avon Park	Not provided	AP-03	Lake Isis Stormwater Improvement Project	Runoff will be captured in lakeside swale and redesigned pond that will allow runoff to percolate into sandy soils, preventing further degradation of Lake Isis.	Wet Detention Pond	Underway	TBD	11	1	Lake Istokpoga	37.1	Not provided	Not provided	City/SWFWMD	Not provided	N/A
Coordinating Agency	N/A	CA-01	Brighton Valley Dispersed Water Management (DWM)	SFWMD issued Environmental Resource Permit (ERP) and right-of-way permit for project. U.S. Army Corps of Engineers (USACE) 404 permit will be issued in early 2018. FDACS is providing cost-share funding for design/permitting. The project will nutrient reductions via pass-through system. Schedule: Upon receipt of permits and completed design, construction may begin.	DWM	Underway	2019	TBD	17,020	Indian Prairie	TBD	Not provided	Not provided	FDACS/ Florida Legislature	Not provided	N/A
Coordinating Agency	N/A	CA-02	Inactive Dairies – Lagoon Remediation	FDACS worked with dairy in LOW to partially remediate its lagoon. Soil was spread on field for crops to use nutrients from excavated soil. Stormwater is routed back to remediated pond to minimize discharges and is reused to reduce groundwater	Dairy Remediation	Completed	Not provided	Not provided	Not provided	Taylor Creek/ Nubbin Slough	Not provided	Not provided	Not provided	FDACS	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number	
				<p>withdrawals. In future, dairy will finish excavation and remediation of entire site. For now, project is complete.</p> <p>Schedule:</p> <ol style="list-style-type: none"> 1. Identify areas that need remediation activities/talk to landowners. (Winter 2014–15 to Summer 2015). 2. Procure contractors/ conduct work. (Winter 2015–16 to Spring 2016). 3. Analyze data. (as necessary). 													
Coordinating Agency	N/A	CA-03	Inactive Dairies – Lagoon Remediation	See CA-03.	Dairy Remediation	Completed	Not provided	Not provided	Not provided	Indian Prairie	Not provided	Not provided	Not provided	FDACS	Not provided	N/A	
Coordinating Agency	N/A	CA-04	Lakeside Ranch Phase II	<p>Phase includes southern STA and second pump station (S-191A) to manage rim canal levels during periods of high water flow and potentially to recirculate lake water back to STA for additional TP removal. Construction of southern STA is underway. Construction of S-191A pump station is anticipated to begin in 2018.</p>	STA	Underway	STA: 2018; Pump Station: 2021	TBD	16,755	Taylor Creek/ Nubbin Slough	788.0	\$58,000,000	N/A	Florida Legislature	Florida Legislature – \$58,000,000	N/A	
Coordinating Agency	N/A	CA-05	Latt Maxcy DWM	<p>FDACS is providing cost-share funding for design/permitting. The project will provide nutrient reductions via pass-through system.</p> <p>Schedule:</p> <p>Construction is anticipated to begin in 2018, with completion expected in 2019.</p>	DWM	Underway	2019/2020	TBD	6,217	Lower Kissimmee	TBD	Not provided	Not provided	FDACS	Not provided	N/A	
Coordinating Agency	N/A	CA-06	Legislative	FDACS conducted 3 rounds of solicitations	Dairy Remediation	Underway	TBD	TBD	TBD	Fisheating Creek	TBD	Not provided	Not provided	FDACS	Not provided	N/A	

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number	
			Cost-Share Appropriation Program (Dairy Projects)	<p>for dairy project proposals. First solicitation occurred in fall 2014. Seven projects have been funded, of which 1 is still under construction. Second solicitation for dairy projects occurred in fall 2015; 4 projects were selected. FDACS sent out third solicitation for dairy project proposals with submission deadline in fall 2016. Ten project proposals were received from 6 different dairy producers. FDACS formed committee with internal and DEP staff to review and formally rank submitted proposals. Eight projects were approved, with funding requests totaling \$4,002,527.35. FDACS has signed cost-share agreements for 6 of 8 projects approved for funding. Amount allocated for third round of projects to date is \$3,766,997.80.</p> <p>Schedule:</p> <ol style="list-style-type: none"> 1. Develop plan and present to DEP annually. 2. Implement projects once funds are available. 3. Conduct same exercise annually. 													
Coordinating Agency	N/A	CA-07	Legislative Cost-Share Appropriation Program (Dairy Projects)	See CA-07.	Dairy Remediation	Underway	TBD	TBD	TBD	Indian Prairie	TBD	Not provided	Not provided	FDACS	Not provided	N/A	
Coordinating Agency	N/A	CA-08	Legislative Cost-Share	See CA-07.	Dairy Remediation	Underway	TBD	TBD	TBD	Lake Istokpoga	TBD	Not provided	Not provided	FDACS	Not provided	N/A	

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
			Appropriation Program (Dairy Projects)													
Coordinating Agency	N/A	CA-09	Legislative Cost-Share Appropriation Program (Dairy Projects)	See CA-07.	Dairy Remediation	Underway	TBD	TBD	TBD	Lower Kissimmee	TBD	Not provided	Not provided	FDACS	Not provided	N/A
Coordinating Agency	N/A	CA-10	Legislative Cost-Share Appropriation Program (Dairy Projects)	See CA-07.	Dairy Remediation	Underway	TBD	TBD	TBD	Taylor Creek/Nubbin Slough	TBD	Not provided	Not provided	FDACS	Not provided	N/A
Coordinating Agency	N/A	CA-11	Legislative Cost-Share Appropriation Program (Dairy Projects)	See CA-07.	Dairy Remediation	Underway	TBD	TBD	TBD	Upper Kissimmee	TBD	Not provided	Not provided	FDACS	Not provided	N/A
Coordinating Agency	NRCS	CA-12	PL-566 Funded/Fisheating Creek Structure	USACE worked with NRCS to develop various alternatives. After staffing and priority changes at USACE, NRCS took lead. Currently, scope of work has been developed with original contractor. Once this is approved and contractual paperwork done, contractor can begin again. Start date to be determined. Schedule: 1. NRCS plans to reapply for different funding. (Fall 2014) 2. If funding is obtained, work will be conducted. (TBD) 3. Water quality benefit calculations will be done. (TBD)	Control Structure	Planned	TBD	TBD	1,947	Indian Prairie	TBD	TBD	TBD	TBD	TBD	N/A
Coordinating Agency	N/A	CA-13	Rolling Meadows Wetland Restoration Phase II	Land has been acquired and planning started. Phase II of project, which involves further restoration of 580 ac of wetlands, is contingent on future legislative funding.	Wetland Restoration	Planned	TBD	TBD	20	Upper Kissimmee	TBD	TBD	TBD	TBD	TBD	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Schedule: Once funded, project completion is anticipated in 2 to 3 yrs.												
Coordinating Agency	FDOT	CA-14	SR 710 Regional Project	Feasibility study was completed. FDOT is reviewing several conceptual designs. Coordinating Agencies are also reviewing to determine whether multiple program initiatives can be aligned for greater project impact. Schedule: 1. Final feasibility study was completed on October 22, 2014. 2. If funding is obtained, work will be conducted. (TBD)	TBD	Planned	TBD	TBD	TBD	Taylor Creek/ Nubbin Slough	TBD	TBD	TBD	FDOT	TBD	N/A
Coordinating Agency	FDOT	CA-15	SR 710 Regional Project	See CA-15.	TBD	Planned	TBD	TBD	TBD	Indian Prairie	TBD	TBD	TBD	FDOT	TBD	N/A
City of Okeechobee	SFWMD/ DEP	CO-01	Centennial Park Stormwater Drainage Construction	Upgrade stormwater infrastructure by constructing nutrient-separating baffle box (NSBB), bioswale, and removal and replacement of pipe.	Stormwater System Upgrade	Underway	Oct. 2017	32	6	Taylor Creek/ Nubbin Slough	15.0	\$411,412	Not provided	City/ SFWMD/ DEP	DEP – \$183,630 Local Match – \$227,782	Not provided
City of Edgewood	Not provided	EW-01	Water Quality Awareness Program	Water quality education and awareness articles in city quarterly newsletter. Water quality-related informational brochures, flyers, and other publications displayed at city hall for public.	Education Efforts	Underway	N/A	38	1	Upper Kissimmee	N/A	Not provided	\$1,000	City	\$1,000	N/A
FDACS	Not provided	Agriculture BMPs	Fisheating Creek	Landowner implementation of BMPs.	Agricultural BMPs	Underway	N/A	149,372	15,388	Fisheating Creek	TBD	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Not provided	Agriculture BMPs	Indian Prairie	Landowner implementation of BMPs.	Agricultural BMPs	Underway	N/A	267,483	14,824	Indian Prairie	TBD	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Not provided	Agriculture BMPs	Lake Istokpoga	Landowner implementation of BMPs.	Agricultural BMPs	Underway	N/A	265,404	3,783	Lake Istokpoga	TBD	Not provided	Not provided	FDACS	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDACS	Not provided	Agriculture BMPs	Lower Kissimmee	Landowner implementation of BMPs.	Agricultural BMPs	Underway	N/A	208,106	14,528	Lower Kissimmee	TBD	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Not provided	Agriculture BMPs	Taylor Creek/ Nubbin Slough	Landowner implementation of BMPs.	Agricultural BMPs	Underway	N/A	111,389	17,044	Taylor Creek/ Nubbin Slough	TBD	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Not provided	Agriculture BMPs	Upper Kissimmee	Landowner implementation of BMPs.	Agricultural BMPs	Underway	N/A	370,827	7,851	Upper Kissimmee	TBD	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Not provided	FDACS-01	Lemkin Creek	HWTT combines wetland and chemical treatment technologies designed mainly to remove phosphorus at subbasin and parcel scales.	HWTT	Completed	2009	1,438	334	Taylor Creek/ Nubbin Slough	1,522.0	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Not provided	FDACS-02	Wolff Ditch	HWTT combines wetland and chemical treatment technologies designed mainly to remove phosphorus at subbasin and parcel scales.	HWTT	Completed	2009	3,796	1,864	Taylor Creek/ Nubbin Slough	1,930.0	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Not provided	FDACS-03	Grassy Island	HWTT combines wetland and chemical treatment technologies designed mainly to remove phosphorus at subbasin and parcel scales.	HWTT	Completed	2010	18,460	12,230	Taylor Creek/ Nubbin Slough	37,802.0	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Not provided	FDACS-04	Fisheating Creek	Floating aquatic vegetation treatment.	Floating Islands/ Managed Aquatic Plant System (MAPS)	Underway	TBD	64,318	18,949	Fisheating Creek	TBD	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Not provided	FDACS-05	Nubbin Slough	HWTT combines wetland and chemical treatment technologies designed mainly to remove phosphorus at subbasin and parcel scales.	HWTT	Completed	Not provided	818	1,223	Taylor Creek/ Nubbin Slough	Not provided	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Not provided	FDACS-06	Mosquito Creek	HWTT combines wetland and chemical treatment technologies designed mainly to remove phosphorus at subbasin and parcel scales.	HWTT	Completed	Not provided	1,327	1,049	Taylor Creek/ Nubbin Slough	Not provided	Not provided	Not provided	FDACS	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDOT District 1	N/A	FDOT1-01	SR 70 from 34th Ave. to 80th Ave.	Six wet detention ponds.	Wet Detention Pond	Underway	TBD	94	50	Taylor Creek/ Nubbin Slough	57.4	Not provided	Not provided	FDOT	Not provided	N/A
FDOT District 1	N/A	FDOT1-02	SR 70 from 80th Ave. to St. Lucie County Line	Three wet detention ponds and 3 dry retention swales.	Wet Detention Pond	Underway	TBD	87	39	Taylor Creek/ Nubbin Slough	31.4	Not provided	Not provided	FDOT	Not provided	N/A
FDOT District 1	N/A	FDOT1-03	Street Sweeping	Street sweeping.	Street Sweeping	Underway	N/A	152	240	Taylor Creek/ Nubbin Slough	N/A	Not provided	Not provided	FDOT	Not provided	N/A
FDOT District 5	N/A	FDOT5-01	239266-B SR 15 (Hoffner Rd.) from north of Lee Vista Blvd. to west of SR 436 (Pond 2)	Add lanes and reconstruct.	Wet Detention Pond	Underway	2019	1	0	Upper Kissimmee	4.8	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-02	239266-A SR 15 Hoffner Ave. from east of SR 436 to Conway Rd. (Pond 1)	Add lanes and reconstruct.	Wet Detention Pond	Underway	2019	2	0	Upper Kissimmee	3.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-03	239266-C SR 15 Hoffner Ave. from west of SR 436 to Conway Rd. (Pond 3)	Add lanes and reconstruct.	Wet Detention Pond	Underway	2019	15	1	Upper Kissimmee	11.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-04	239266-D SR 15 Hoffner Ave. from west of SR 436 to Conway Rd. (Pond 4)	Add lanes and reconstruct.	Wet Detention Pond	Underway	2019	23	1	Upper Kissimmee	11.4	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-05	239535-F SR 50 from Good Homes Rd. to Pine Hills Rd. (Pond 4)	Add lanes and reconstruct.	Dry Detention Pond	Completed	2014	9	2	Upper Kissimmee	16.4	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-06	416518-A Interstate (I) 4 Braided Ramp from US Highway (Hwy.) 192 Interchange to Osceola Parkway Interchange (Pond SE-1).	New road construction.	Wet Detention Pond	Completed	2014	5	1	Upper Kissimmee	13.8	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-07	416518-B I-4 Braided Ramp from US Hwy. 192 Interchange to Osceola Parkway Interchange (Pond SE-2)	New road construction.	Wet Detention Pond	Completed	2014	2	0	Upper Kissimmee	6.1	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-08	239682-A SR 500 (US Hwy. 17-92)	Add lanes and rehabilitate pavement.	Wet Detention Pond	Underway	2019	13	2	Upper Kissimmee	26.5	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
			from Aeronautical Dr. to Budinger Ave. (Pond 1)													
FDOT District 5	N/A	FDOT5-09	239682-B SR 500 (US Hwy. 17-92) from Aeronautical Dr. to Budinger Ave. (Pond 2)	Add lanes and rehabilitate pavement.	Wet Detention Pond	Underway	2019	8	1	Upper Kissimmee	13.4	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-10	239682-C SR 500 (US Hwy. 17-92) from Aeronautical Dr. to Budinger Ave. (Pond 3)	Add lanes and rehabilitate pavement.	Wet Detention Pond	Underway	2019	7	1	Upper Kissimmee	15.8	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-11	239682-D SR 500 (US Hwy. 17-92) from Aeronautical Dr. to Budinger Ave. (Pond 4)	Add lanes and rehabilitate pavement.	Wet Detention Pond	Underway	2019	15	2	Upper Kissimmee	33.7	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-12	418403-A, B SR 600 (US 17-92) John Young Parkway (JYP) from south of Portage St. to north of Vine St. (US Hwy. 192) (Ponds East and West)	Add lanes and reconstruct.	Wet Detention Pond	Underway	2018	7	1	Upper Kissimmee	14.2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-13	239454-A widening of SR 436 from SR 528 to SR 552 (Pond A)	Add lanes and reconstruct.	Wet Detention Pond	Completed	2010	2	1	Upper Kissimmee	38.8	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-14	239635-A New Bridge SR 500 at Reedy Creek (Pond 1)	New bridge.	Dry Detention Pond	Completed	2010	1	0	Upper Kissimmee	4.1	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-15	239635-B New Bridge SR 500 at Reedy Creek (Pond 2)	New bridge.	Wet Detention Pond	Completed	2010	7	0	Upper Kissimmee	7.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-16	239663-A Widening of SR 530 from SR 535 to Hoagland Blvd. (Pond 1)	Add lanes and reconstruct.	Wet Detention Pond	Completed	2010	5	1	Upper Kissimmee	14.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-17	239663-B Widening of SR 530 from SR 535 to Hoagland Blvd. (Pond 2)	Add lanes and reconstruct.	Wet Detention Pond	Completed	2010	6	2	Upper Kissimmee	17.9	Not provided	Not provided	Florida Legislature	Not provided	N/A

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FDOT District 5	N/A	FDOT5-18	239663-C Widening of SR 530 from SR 535 to Hoagland Blvd. (Pond 3)	Add lanes and reconstruct.	Wet Detention Pond	Completed	2010	5	2	Upper Kissimmee	16.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-19	239663-D Widening of SR 530 from SR 535 to Hoagland Blvd. (Pond 4)	Add lanes and reconstruct.	Wet Detention Pond	Completed	2010	5	1	Upper Kissimmee	12.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-20	242436-A SR 400 Ramps at Gore Ave. Retention Pits (Ponds 1 and 2)	Ramps.	Dry Detention Pond	Completed	2011	6	0	Upper Kissimmee	9.8	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-21	242484-A Widening of SR 400 from Universal Blvd. to South St. (Pond 4)	Add lanes and reconstruct.	Wet Detention Pond	Completed	2011	7	1	Upper Kissimmee	21.8	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-22	405515-A and B SR 400 Wet Detention Pond (Ponds 1 and 2)	Add lanes and reconstruct.	Wet Detention Pond	Completed	2011	3	0	Upper Kissimmee	14.8	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-23	410732-B SR 400 Swales	Add lanes and reconstruct.	Grass Swales Without Swale Blocks or Raised Culverts	Completed	2010	3	0	Upper Kissimmee	32.2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-24	Street Sweeping	Street sweeping to collect 1,507,453 lbs/yr of material.	Street Sweeping	Completed	N/A	229	147	Upper Kissimmee	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-25	Education and Outreach	Funding for Orange County Water Atlas website and illicit discharge inspection and training program.	Education Efforts	Underway	N/A	44	4	Upper Kissimmee	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-26	2396831 Pond 6 (SR 500 widening from Eastern Ave. to Nova Rd.)	Add lanes and reconstruct.	Wet Detention Pond	Underway	2017	198	22	Upper Kissimmee	19.1	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-27	2396831 Pond 7 (SR 500 widening from Eastern Ave. to Nova Rd.)	Add lanes and reconstruct.	Wet Detention Pond	Underway	2017	240	13	Upper Kissimmee	23.2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-28	407143-4 Ponds WDA 2A and 2B (SR 482 widening from west of Turkey Lake Rd. to east of Universal Blvd.)	Add lanes and reconstruct.	Wet Detention Pond	Underway	2019	128	3	Upper Kissimmee	23.0	Not provided	Not provided	Florida Legislature	Not provided	N/A

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FDOT District 5	N/A	FDOT5-29	407143-4 Pond WDA 3 (SR 482 widening from west of Turkey Lake Rd. to east of Universal Blvd.)	Add lanes and reconstruct.	Wet Detention Pond	Underway	2019	35	1	Upper Kissimmee	23.0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT5-30	407143-4 Pond WDA 4 (SR 482 widening from west of Turkey Lake Rd. to east of Universal Blvd.)	Add lanes and reconstruct.	Wet Detention Pond	Underway	2019	159	4	Upper Kissimmee	23.0	Not provided	Not provided	Florida Legislature	Not provided	N/A
Glades County	N/A	GC-01	Education and Outreach	FYN; landscaping, irrigation, and fertilizer ordinances; PSAs, pamphlets, website, and Illicit Discharge Program.	Education Efforts	Underway	N/A	174	30	Fisheating Creek	N/A	Not provided	\$5,500	County	Not provided	N/A
Glades County	N/A	GC-02	Education and Outreach	FYN; landscaping, irrigation, and fertilizer ordinances; PSAs, pamphlets, website, and Illicit Discharge Program.	Education Efforts	Underway	N/A	915	65	Indian Prairie	N/A	Not provided	\$5,500	County	Not provided	N/A
Highlands County	UF-IFAS	HC-01	Education and Outreach	FYN, landscaping and irrigation ordinances, PSAs, and pamphlets.	Education Efforts	Underway	N/A	799	65	Fisheating Creek	N/A	Not provided	Not provided	County	Not provided	N/A
Highlands County	UF-IFAS	HC-02	Education and Outreach	FYN, landscaping and irrigation ordinances, PSAs, and pamphlets.	Education Efforts	Underway	N/A	915	65	Indian Prairie	N/A	Not provided	Not provided	County	Not provided	N/A
Highlands County	UF-IFAS	HC-03	Education and Outreach	FYN, landscaping and irrigation ordinances, PSAs, and pamphlets.	Education Efforts	Underway	N/A	14,508	342	Lake Istokpoga	N/A	Not provided	Not provided	County	Not provided	N/A
Highlands County	UF-IFAS	HC-04	Education and Outreach	FYN, landscaping and irrigation ordinances, PSAs, and pamphlets.	Education Efforts	Underway	N/A	1,187	300	Lower Kissimmee	N/A	Not provided	Not provided	County	Not provided	N/A
Highlands County	FDOT/SWFWMD	HC-05	Lake June Stormwater Project	Installation of 450 ft of 24-inch (in) French drain in 4 contributing basins.	Online Retention BMPs	Underway	2018	TBD	7	Lake Istokpoga	43.3	\$530,000	Not provided	County/SWFWMD	SWFWMD – \$440,000 County – \$90,000	N/A
Highlands County	SWFWMD	HC-06	Lake Clay Stormwater Project	600 ft of 24-in online French drain for parking lot subbasin; 300 ft of 24-in online French drain will treat street subbasin.	Online Retention BMPs	Completed	2013	53	3	Lake Istokpoga	26.6	\$330,000	\$1,973	County/SWFWMD	SWFWMD – \$330,000 County – \$1,973	N/A
Highlands County	Highlands Soil and Water Conservation District/	HC-07	Lake McCoy Stormwater Project	Replacement of 420 ft of concrete sluceway with grassy swales,	Online Retention BMPs	Underway	2018	TBD	7	Lake Istokpoga	9.1	\$135,000	TBD	Highlands Soil and Water Conservation District/	Not provided	N/A

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	FDOT/ SWFWMD			ditch blocks, and drop box.										FDOT/ SWFWMD		
Istokpoga Marsh Watershed Improvement District	DEP/ SFWMD/ FDACS	IMWID-01	IMWID Phase I	Construct above-ground impoundment with storage capacity of 950 acre-feet/year (ac-ft/yr).	DWM	Underway	2018	TBD	TBD	Indian Prairie	308.0	\$6,500,000	TBD	DEP/ SFWMD/ FDACS	\$6,500,000	S0650
Istokpoga Marsh Watershed Improvement District	DEP/ SFWMD/ FDACS	IMWID-02	IMWID Phase II	Construct above-ground impoundment with storage capacity of 1,200 ac-ft/yr.	DWM	Underway	2019	TBD	2,359	Indian Prairie	400.0	\$4,900,000	TBD	DEP/ FDACS	\$4,900,000	NF023
City of Kissimmee	N/A	KS-01	Education and Outreach	PSAs, pamphlets, website, and Illicit Discharge Program.	Education Efforts	Underway	N/A	441	18	Upper Kissimmee	N/A	\$65,000	\$45,000	City	\$110,000	N/A
City of Kissimmee	N/A	KS-02	Street Sweeping	Complete 6,573 mi of street sweeping and collect 3,100 cubic yards (yds) of debris.	Street Sweeping	Underway	N/A	612	221	Upper Kissimmee	N/A	\$50,000	\$50,000	City	\$100,000	N/A
City of Kissimmee	TBD	KS-03	Lake Tivoli	Treatment for older existing development and future online development; treatment provides 2.5 times proposed percent impervious area.	Online Retention BMPs	Underway	TBD	TBD	TBD	Upper Kissimmee	132.8	\$300,000	TBD	TBD	TBD	N/A
City of Kissimmee	N/A	KS-04	Lakefront Park Redevelopment – Swales/Rain Gardens	Swale/rain garden system with 2.07 ac of dry detention.	Grass Swales Without Swale Blocks or Raised Culverts	Completed	2015	13	0	Upper Kissimmee	14.2	\$500,000	Not provided	City	\$500,000	N/A
City of Kissimmee	N/A	KS-05	Lakefront Park Redevelopment Baffle Boxes	Three NSBB and 3 filter boxes in lakefront park area. Will install up to additional 2 baffle boxes in next 5 yrs.	Baffle Box, 2nd Generation	Completed	2015	22	0	Upper Kissimmee	14.2	\$394,267	Not provided	City	\$394,267	N/A
City of Kissimmee	N/A	KS-06	Martin Luther King Blvd. Phase III from Thacker Ave. to Dyer Blvd.	Construction of dry detention with specific standards (side slopes, littoral zones) per Federal Aviation Administration for reduction of bird strikes.	Grass Swales Without Swale Blocks or Raised Culverts	Completed	2015	3	0	Upper Kissimmee	5.5	\$1,500,000	\$1,500	City	\$1,501,500	N/A
City of Kissimmee	DEP	KS-07	Emory Ave. Stormwater Management Pond	Offline stormwater pond to provide extra storage to alleviate flooding. Pond will also catch first flush during rain events to help provide water quality	Wet Detention Pond	Completed	2017	TBD	TBD	Upper Kissimmee	TBD	\$500,000	\$1,000	DEP	\$500,000	S0725

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				treatment to West City Ditch.												
Orange County	N/A	OC-01	Education and Outreach	FYN; landscaping, irrigation, fertilizer, and pet waste management ordinances; PSAs; pamphlets; Water Atlas website; and Illicit Discharge Program.	Education Efforts	Underway	N/A	29,206	1,292	Upper Kissimmee	N/A	\$225,000	\$6,988	County	\$225,000 and \$6,988 annually	N/A
Orange County	N/A	OC-02	Lake Conway Street Sweeping	Street sweeping of 6,055 curb mi annually.	Street Sweeping	Underway	N/A	1,101	712	Upper Kissimmee	N/A	\$145,320	\$145,320	Lake Conway Taxing District (Municipal Service Taxing Unit [MSTU])	\$145,320 annually	N/A
Orange County	N/A	OC-03	Lake Holden Street Sweeping	Street sweeping of 829 curb mi annually.	Street Sweeping	Underway	N/A	151	98	Upper Kissimmee	N/A	\$19,896	\$19,896	Lake Holden Taxing District (MSTU)	\$19,986 annually	N/A
Orange County	N/A	OC-04	Lake Jessamine Street Sweeping	Street sweeping of 734 curb mi annually.	Street Sweeping	Underway	N/A	133	86	Upper Kissimmee	N/A	\$17,616	\$17,616	Lake Jessamine Taxing District (MSTU)	\$17,616 annually	N/A
Orange County	N/A	OC-05	Shingle/Boggy/Hart Basin Street Sweeping	Countywide street sweeping.	Street Sweeping	Underway	N/A	5	2	Upper Kissimmee	N/A	Not provided	Not provided	County	Not provided	N/A
Orange County	N/A	OC-07	Lake Conway Curb Inlet Basket (CIB) Existing	Curb or grate inlet filter baskets (116) to collect 16,169 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2015	11	7	Upper Kissimmee	71.0	\$112,000	\$13,269	Lake Conway Taxing District (MSTU)	Not provided	N/A
Orange County	N/A	OC-09	Lake Pineloch CIB	Curb or grate inlet filter baskets (23) to collect 4,158 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2008	2.8	1.7	Upper Kissimmee	14.0	\$18,000	\$2,677	County	Not provided	N/A
Orange County	N/A	OC-10	Lake Anderson CIB	Curb or grate inlet filter baskets (11) to collect 3,364 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2011	3.1	5.1	Upper Kissimmee	7.0	\$10,000	\$1,280	Lake Anderson MSTU	Not provided	N/A
Orange County	N/A	OC-11	Lake Holden CIB	Curb or grate inlet filter baskets (115) to collect 27,602 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2008	18.7	11.5	Upper Kissimmee	72.0	\$41,000	\$13,386	Lake Holden Taxing District (MSTU)	Not provided	N/A
Orange County	N/A	OC-12	Lake Jessamine CIB	Curb or grate inlet filter baskets (92) to collect 13,025 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2008	8.8	5.5	Upper Kissimmee	63.0	\$110,000	\$10,708	Lake Jessamine Taxing District (MSTU)	Not provided	N/A
Orange County	N/A	OC-13	Lake Floy CIB	Curb or grate inlet filter baskets (10) to collect 4,835 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2008	3.3	2.0	Upper Kissimmee	6.0	\$10,000	\$1,164	Lake Floy MSTU	Not provided	N/A
Orange County	N/A	OC-14	Lake Cane CIB	Curb or grate inlet filter baskets (14) to collect 3,845 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2008	2.6	1.5	Upper Kissimmee	11.0	\$14,000	\$1,629	County	Not provided	N/A

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Orange County	N/A	OC-15	Lake Odell CIB	Curb or grate inlet filter baskets (3) to collect 904 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2008	0.7	0.4	Upper Kissimmee	2.0	\$3,000	\$349	County	Not provided	N/A
Orange County	Not provided	OC-16	Lake Tyler CIB	Curb or grate inlet filter baskets (10).	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2008	3.3	2.0	Upper Kissimmee	7.0	\$11,000	\$1,164	Not provided	Not provided	Not provided
Orange County	N/A	OC-17	Lake Down/ Windermere CIB	Curb or grate inlet filter baskets (51) to collect 16,934 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2014	11.5	7.1	Upper Kissimmee	34.0	\$56,000	\$16,063	Windermere Water and Navigation Control District (MSTU)	Not provided	N/A
Orange County	N/A	OC-18	Lake Tibet CIB	Curb or grate inlet filter baskets (92) to collect 13,494 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2008	9.3	5.7	Upper Kissimmee	58.0	\$31,000	Not provided	Windermere Water and Navigation Control District (MSTU)	Not provided	N/A
Orange County	N/A	OC-19	Lisa Waterway Continuous Deflective Separation (CDS) Unit	Treats runoff from Orange Ave.	CDS Unit	Completed	2008	3	1	Upper Kissimmee	Not provided	\$225,000	\$6,988	Lake Conway Taxing District (MSTU)	Not provided	N/A
Orange County	Not provided	OC-20	Randolph Ave. CDS Unit	Treats runoff from Randolph Ave.	CDS Unit	Completed	Not provided	0	0	Upper Kissimmee	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-21	Randolph Ave. Stormceptor™	Stormceptor™.	Stormceptor™ Unit	Completed	Prior to 2014	0	0	Upper Kissimmee	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-22	Randolph Ave. Pond	Dry detention pond.	Dry Detention Pond	Completed	2008	1	0	Upper Kissimmee	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	FDOT District 5/ City of Edgewood	OC-23	Lake Mary Jess Pond	Wet retention pond created from canal.	Wet Retention Pond	Completed	2013	29	6	Upper Kissimmee	31.2	\$534,795	\$6,000	FDOT District 5/ City of Edgewood	Not provided	N/A
Orange County	N/A	OC-24	Lake Odell Sediment Sump	Small sump collects sediment from roadway, with 12,000 lbs/yr of material removed.	Control Structure	Completed	2014	3	1	Upper Kissimmee	Not provided	\$33,300	\$1,500	County	Not provided	N/A
Orange County	St. Johns River Water Management District (SJRWMD)	OC-25	Lake Jennie Jewell NSBB	Construct NSBB-containing media.	Baffle Box with Media Filtration	Underway	2017	88	74	Upper Kissimmee	9.1	\$250,000	\$2,500	County/ SJRWMD	SJRWMD – \$119,600 County – \$130,400	N/A
Orange County	N/A	OC-26	Lake Anderson Alum Treatment System	Storm pond enhancement with alum.	Alum Injection System	Underway	2017	568	27	Upper Kissimmee	173.0	\$345,166	\$20,000	County	Not provided	N/A
Orange County	N/A	OC-27	Lake Jessamine Surface Alum	Whole-lake alum treatment.	Alum Injection System	Completed	2013	158	10	Upper Kissimmee	Not provided	\$246,000	Not provided	Lake Jessamine Taxing District (MSTU)	Not provided	N/A

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Orange County	DEP	OC-28	Lake Down Alum Treatment Facility	Installation of offline alum injection facility on upstream portion of Butler Chain of Lakes to address phosphorus loading to chain and downstream.	Alum Injection System	Completed	2016	1,224	47	Upper Kissimmee	378.8	\$2,000,000	\$15,000	Windermere Water and Navigation Control District (MSTU)/ DEP	Not provided	Not provided
Orange County	N/A	OC-29	Lake Conway Hydrologic and Nutrient Study	Identify nutrient sources.	Study	Underway	TBD	TBD	TBD	Upper Kissimmee	N/A	\$172,000	N/A	Lake Conway Taxing District (MSTU)	\$172,000	N/A
Orange County	N/A	OC-30	Lake Jennie Jewel CIB Installation	Install baskets in stormwater inlets.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2015	2	2	Upper Kissimmee	6.0	\$9,360	\$1,200	County	\$93,60 and \$1,200 annually	N/A
Orange County	N/A	OC-31	Jewell-Gatlin NSBB	Construct NSBB-containing media.	Baffle Box with Media Filtration	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Orange County	N/A	OC-32	Lake Gem Mary	Identify impairment sources and recommend BMPs.	Study	Underway	2018	TBD	TBD	Upper Kissimmee	N/A	\$162,517	N/A	County	\$162,517	N/A
Orange County	DEP	OC-33	Lake Conway Old Dominion Rd. NSBB	Treat stormwater from Lake Conway Woods.	Baffle Box with Media Filtration	Completed	2015	30	4	Upper Kissimmee	39.5	\$173,513	\$4,258	Lake Conway Taxing District (MSTU)/ DEP	DEP – \$141,679 MSTU – \$31,834	LP4803F
Orange County	N/A	OC-34	Lake Conway Pershing CDS	Treat stormwater from Pershing Ave.	CDS Unit	Completed	Not provided	0	0	Upper Kissimmee	Not provided	Not provided	\$5,072	Lake Conway Taxing District (MSTU)	MSTU – \$5,072 annually	N/A
Orange County	N/A	OC-35	Lake Conway Cullen Lakeshore CDS	Treat stormwater from Cullen lakeshore.	CDS Unit	Completed	Prior to 2007	0	0	Upper Kissimmee	Not provided	Not provided	\$5,677	Lake Conway Taxing District (MSTU)	MSTU – \$5,677 annually	N/A
Orange County	N/A	OC-36	Lake Jessamine 608 Viscaya NSB1	Treat stormwater from Viscaya Ave.	Baffle Box with Media Filtration	Completed	2015	0	0	Upper Kissimmee	Not provided	Not provided	\$1,175	Lake Jessamine Taxing District (MSTU)	MSTU – \$1,175 annually	N/A
Orange County	N/A	OC-37	Lake Jessamine 616 Viscaya NSB1	Treat stormwater from Viscaya Ave.	Baffle Box with Media Filtration	Completed	2015	0	0	Upper Kissimmee	Not provided	Not provided	\$1,404	Lake Jessamine Taxing District (MSTU)	MSTU – \$1,404 annually	N/A
Orange County	N/A	OC-38	Lake Jessamine Silvera Ave. NSB1	Treat stormwater from Silvera Ave.	Baffle Box with Media Filtration	Completed	2015	0	0	Upper Kissimmee	Not provided	Not provided	\$2,076	Lake Jessamine Taxing District (MSTU)	MSTU – \$2,076 annually	N/A
Orange County	N/A	OC-39	Lake Tyler Apts. 8 CDS	Treat stormwater from Lake Tyler Apts.	CDS Unit	Completed	2008	0	0	Upper Kissimmee	Not provided	Not provided	\$2,952	County	County – \$2,952 annually	N/A
Orange County	N/A	OC-40	Lake Tyler Apts. 9 CDS	Treat stormwater from Lake Tyler Apts.	CDS Unit	Completed	2008	0	0	Upper Kissimmee	Not provided	Not provided	\$5,445	County	County – \$5,445 annually	N/A
Orange County	N/A	OC-41	Hidden Cove Apts. 7 CDS	Treat stormwater from Hidden Cove Apts.	CDS Unit	Completed	2008	0	0	Upper Kissimmee	Not provided	Not provided	\$3,333	County	County – \$3,333 annually	N/A

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Orange County	N/A	OC-42	Lake Tibet Houston PI NSBB	Treat stormwater from Houston Place.	Baffle Box with Media Filtration	Completed	2017	0	0	Upper Kissimmee	Not provided	Not provided	\$2,329	Butler MSTU	MSTU – \$2,329 annually	N/A
Orange County	N/A	OC-43	Lake Down Subbasin 9 NSBB	Treat stormwater from Subbasin 9 in Lake Down.	Baffle Box with Media Filtration	Completed	2017	202	25	Upper Kissimmee	411	\$390,000	\$8,125	County	Not provided	N/A
Orange County	N/A	OC-44	Lake Jessamine Hydrologic Nutrient Budget Study	Hydrologic and nutrient budget study.	Study	Completed	2012	N/A	N/A	Upper Kissimmee	N/A	\$105,886	N/A	Lake Jessamine Taxing District (MSTU)	Not provided	N/A
Orange County	N/A	OC-45	Anderson St. Sweeping	Sweeping of 31.8 curb mi annually.	Street Sweeping	Underway	N/A	0	0	Upper Kissimmee	N/A	Not provided	\$770	Lake Anderson Taxing District (MSTU)	MSTU – \$770 annually	N/A
Orange County	N/A	OC-46	Bass Lake CIB	Collect 1,572 lbs/yr of material in 6 CIBs.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2008	1	1	Upper Kissimmee	4.0	\$5,430	\$470	Bass Lake Taxing District (MSTU)	MSTU – \$5,430 plus \$470 annually	N/A
Orange County	N/A	OC-47	Jennie Jewel Alum	In-lake application of alum and buffer.	Alum Injection System	Planned	TBD	TBD	3,735	Upper Kissimmee	66.4	\$150,000	TBD	TBD	TBD	N/A
Orange County	N/A	OC-48	LaGrange CIB	Collect 2,290 lbs/yr of material.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2014	1	2	Upper Kissimmee	5.0	\$7,200	\$940	LaGrange Taxing District (MSTU)	MSTU – \$7,200 plus \$940 annually	N/A
Orange County	N/A	OC-49	Lake Christie NSBB	Install NSBB fitted with bioactivated media.	Baffle Box with Media Filtration	Underway	TBD	26	15	Upper Kissimmee	81.5	\$970,000	\$1,500	County	County – \$970,000 plus \$1,500 annually	N/A
Orange County	N/A	OC-50	Lake Pineloch NSBB	Construct NSBB and upflow filter.	Baffle Box with Media Filtration	Underway	2019	531	79	Upper Kissimmee	109.0	\$564,235	\$1,500	County	\$564,235	N/A
Orange County	N/A	OC-51	Shingle Creek Hydro/ Nutrient Assessment	Conduct nutrient/hydro assessment producing ranked list of BMPs.	Study	Underway	2018	N/A	N/A	Upper Kissimmee	N/A	\$134,958	N/A	County	\$134,958	N/A
Orange County	N/A	OC-52	Boggy Creek B-14 Pipeline (Segment B)	Replace structures and failing 60-in corrugated metal pipe.	Stormwater System Rehabilitation	Completed	2016	N/A	N/A	Upper Kissimmee	N/A	\$172,840	N/A	County	\$172,840	N/A
Orange County	N/A	OC-53	Bonnie Brook Erosion Control	Removed failing fabriform revetment and installed new reinforced concrete channel lining and riprap in segments of Lake Ellenor Outfall Canal and Westridge Outfall Canal.	Shoreline Stabilization	Completed	2017	Not provided	Not provided	Upper Kissimmee	Not provided	\$387,412	N/A	County	\$387,412	N/A
Orange County	N/A	OC-54	B-14 Wheatberry Court	Repair existing slope failure areas and install turf reinforcement mat to stabilize slope.	Shoreline Stabilization	Planned	2018	TBD	TBD	Upper Kissimmee	TBD	\$113,710	N/A	County	\$113,710	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Orange County	N/A	OC-55	Boggy Creek B-14 Pipeline (Segments A, C, and D)	Replace 4,500 linear feet (LF) of failing 60-in corrugated metal pipe.	Stormwater System Rehabilitation	Planned	2020	TBD	TBD	Upper Kissimmee	TBD	\$3,100,000	N/A	County	\$3,100,000	N/A
Okeechobee County	Dept. of Economic Opportunity (DEO)	OK-01B	Douglas Park South	Addition of dry detention area to serve 73.5 ac of original 150-ac drainage area.	Dry Detention Pond	Completed	2009	30	5	Taylor Creek/Nubbin Slough	73.5	\$643,593	Not provided	DEO	Not provided	N/A
Okeechobee County	FEMA/ DEO	OK-02	Oak Park	Roadside swales with raised inlets and 2 hydrodynamic separators.	Grass Swales with Swale Blocks or Raised Culverts	Completed	2016	32	5	Taylor Creek/Nubbin Slough	56.4	\$1,112,005	Not provided	FEMA/ DEO	Not provided	N/A
Okeechobee County	FEMA/ City of Okeechobee	OK-03	Southwest 21st St.	Dry detention roadside swales with raised inlets and one hydrodynamic separator.	Grass Swales with Swale Blocks or Raised Culverts	Completed	2013	1	0	Taylor Creek/Nubbin Slough	2.1	\$483,893	Not provided	County/ FEMA/ City of Okeechobee	Not provided	N/A
Okeechobee County	FEMA	OK-04	Southwest Drainage Area Improvements	Dry detention roadside swales with raised inlets and 2 hydrodynamic separators.	Grass Swales with Swale Blocks or Raised Culverts	Completed	2011	1	1	Taylor Creek/Nubbin Slough	32.2	\$1,485,917	Not provided	FEMA	Not provided	N/A
Okeechobee County	DEO	OK-05	Okeechobee County 2008 Disaster Recovery Community Development Block Grant (CBDG)	Culvert upgrades and dry detention area to improve water quality and alleviate flooding.	Stormwater System Rehabilitation	Completed	2014	9	0	Taylor Creek/Nubbin Slough	17.2	\$786,665	Not provided	DEO	Not provided	N/A
Okeechobee County	Not provided	OK-06	Southwest Drainage Area Improvements Whidden Ditch (Phase III)	Ditch and culvert upgrades to improve stormwater conveyance to Rim Canal.	Stormwater System Rehabilitation	Completed	2017	2	0	Taylor Creek/Nubbin Slough	20.0	\$749,410	Not provided	Florida Legislature	Not provided	N/A
Okeechobee County	Not provided	OK-07	Lock 7 Bypass Culvert System	Installation of parallel culvert system along Rim Canal to improve conveyance.	Stormwater System Rehabilitation	Completed	2016	0	0	Taylor Creek/Nubbin Slough	0.0	\$157,143	Not provided	Florida Legislature	Not provided	N/A
City of Orlando	SFWMD	ORL-01	18th St./Parramore Ave. Baffle Box	Baffle box installed to remove gross pollutants, including organic debris, sediment, and litter. 1.5 cubic yds/yr of material collected.	Baffle Box, 2nd Generation	Completed	2009	3	1	Upper Kissimmee	4.6	\$578,138	Not provided	City/ SFWMD	City – \$289,069 SFWMD – \$289,069	N/A
City of Orlando	SFWMD	ORL-02	19th St./Parramore Ave. Baffle Box	Baffle box installed to remove gross pollutants, including organic debris, sediment, and litter; 1 cubic yd/yr of material collected.	Baffle Box, 2nd Generation	Completed	2009	2	1	Upper Kissimmee	9.9	Part of ORL-01	Not provided	City/ SFWMD	Part of Project ORL-1	N/A

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City of Orlando	DEP	ORL-03	Pine St./Orange Blossom Trail Corridor Stormwater Improvements	Installation of 1,800 LF of stormwater pipe from Pine St. to Lake Lorna Doone, including baffle box.	Baffle Box, 2nd Generation	Completed	2010	6	1	Upper Kissimmee	11.5	\$942,710	Not provided	City/DEP	City – \$471,355 DEP – \$471,355	Not provided
City of Orlando	Orlando Utilities Commission (OUC)	ORL-04	Lake Holden Terrace/Albert Shores Sanitary Components	Sanitary infrastructure installed for septic tank conversions; 11 of 77 homes converted.	Wastewater Service Area Expansion	Completed	2012	Not provided	Not provided	Upper Kissimmee	Not provided	\$3,522,911	Not provided	City/OUC	Not provided	N/A
City of Orlando	OUC	ORL-05	Lake Holden Terrace/Albert Shores Stormwater Components	Two baffle boxes and 1 Storm Flo unit installed in stormwater infrastructure for capturing organic debris, sediment, and litter; stormwater infrastructure added to alleviate flooding. 20.5 cubic yds/yr of material collected.	Baffle Box, 2nd Generation	Completed	2012	44	18	Upper Kissimmee	76.4	Part of ORL-4	Not provided	City/OUC	Not provided	N/A
City of Orlando	DEP	ORL-06	Lake Angel Drainage Improvements	Expand permanent pool volume of Lake Angel and install 3 baffle boxes in main inflow pipes.	Wet Detention Pond	Completed	2015	37	1	Upper Kissimmee	87.0	\$1,239,249	Not provided	City/DEP	City – \$948,249 DEP – \$291,000	Not provided
City of Orlando	N/A	ORL-07	CEMEX – South Division Ave. Roadway and Drainage Improvements	Pave unimproved access road to industrial park and install baffle box to capture sediment; install curbing along additional areas of Division Ave. to allow street sweepers to effectively capture more sediment in Lake Holden Basin.	Baffle Box, 2nd Generation	Canceled	N/A	N/A	N/A	Upper Kissimmee	N/A	N/A	N/A	N/A	N/A	N/A
City of Orlando	N/A	ORL-08	Lake Pineloch Basin Inlet Baskets	Thirty-two inlet baskets installed to remove gross pollutants, including organic debris, sediment, and litter; 44 cubic yds/yr of material collected.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	Not provided	68	42	Upper Kissimmee	Not provided	\$40,480	\$11,735	City	Not provided	N/A
City of Orlando	N/A	ORL-09	Clear Lake Basin Inlet Baskets	Twenty-nine inlet baskets installed to remove gross pollutants, including organic debris, sediment, and litter;	Catch Basin Inserts/Inlet Filter Cleanout	Completed	Not provided	40	24	Upper Kissimmee	Not provided	\$8,550	\$8,332	City	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				25.25 cubic yds/yr of material collected.												
City of Orlando	N/A	ORL-10	Lake Lorna Doone Basin Inlet Baskets	Sixteen inlet baskets installed to remove gross pollutants, including organic debris, sediment, and litter; 32.6 cubic yds/yr of material collected.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	Not provided	51	31	Upper Kissimmee	Not provided	\$17,755	\$8,673	City	Not provided	N/A
City of Orlando	N/A	ORL-11	Lake Mann Basin Inlet Baskets	Forty-four inlet baskets installed to remove gross pollutants, including organic debris, sediment, and litter; 23 cubic yds/yr of material collected.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	Not provided	35	22	Upper Kissimmee	Not provided	\$48,826	\$3,566	City	Not provided	N/A
City of Orlando	N/A	ORL-13	Rock Lake Basin Inlet Baskets	Ten inlet baskets installed to remove gross pollutants, including organic debris, sediment, and litter; 21 cubic yds/yr of material collected.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	Not provided	33	20	Upper Kissimmee	Not provided	\$8,550	\$9,706	City	Not provided	N/A
City of Orlando	N/A	ORL-14	Lake Sunset Basin Inlet Baskets	Eight inlet baskets installed to remove gross pollutants, including organic debris, sediment, and litter; 15 cubic yds/yr of material collected.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	Not provided	22	13	Upper Kissimmee	Not provided	\$8,550	\$11,451	City	Not provided	N/A
City of Orlando	N/A	ORL-15	Walker Lagoon Basin Inlet Baskets	Sixteen inlet baskets installed to remove gross pollutants, including organic debris, sediment, and litter; 35.1 cubic yds/yr of material collected.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	Not provided	55	33	Upper Kissimmee	Not provided	\$17,755	\$7,049	City	Not provided	N/A
City of Orlando	N/A	ORL-16	Street Sweeping	Street sweeping on all public roads within city limits; 22,325.2 cubic yds/yr of material collected.	Street Sweeping	Underway	N/A	18,477	28,817	Upper Kissimmee	N/A	Not provided	\$850,000	City	\$850,000	N/A
City of Orlando	N/A	ORL-17	Education and Outreach	FYN; landscaping, irrigation, fertilizer, and pet waste management ordinances; PSAs; pamphlets; website; Illicit Discharge Program.	Education Efforts	Underway	N/A	7,584	456	Upper Kissimmee	N/A	\$51,500	Not provided	City	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Osceola County	N/A	OSC-01	Narcoossee Rd. IB Ponds 2 and 3	Roadway widening.	Wet Detention Pond	Completed	2011	13	0	Upper Kissimmee	29.3	Not provided	\$4,195	County	Not provided	N/A
Osceola County	N/A	OSC-02	Narcoossee Rd. III Ponds C3A and C3B	Roadway widening.	Wet Detention Pond	Completed	2012	8	0	Upper Kissimmee	20.5	Not provided	\$4,195	County	Not provided	N/A
Osceola County	N/A	OSC-03	Narcoossee Rd. III Pond D3	Roadway widening.	Wet Detention Pond	Completed	2012	8	0	Upper Kissimmee	24.3	Not provided	\$4,195	County	Not provided	N/A
Osceola County	N/A	OSC-04	Narcoossee Rd. III Pond E1	Roadway widening.	Wet Detention Pond	Completed	2012	5	0	Upper Kissimmee	22.4	Not provided	\$4,195	County	Not provided	N/A
Osceola County	N/A	OSC-05	Neptune Rd. I Ponds 100, 200, and 300	Road improvement.	Wet Detention Pond	Completed	2010	483	18	Upper Kissimmee	226.8	Not provided	\$4,195	County	Not provided	N/A
Osceola County	N/A	OSC-06	Old Wilson Rd. Pond D002-P	Road improvement.	Online Retention BMPs	Completed	2012	42	1	Upper Kissimmee	55.8	Not provided	Not provided	County	Not provided	N/A
Osceola County	N/A	OSC-07	Old Wilson Rd. Pond D004-P	Road improvement.	Online Retention BMPs	Completed	2012	44	1	Upper Kissimmee	18.7	Not provided	Not provided	County	Not provided	N/A
Osceola County	N/A	OSC-08	Old Wilson Rd. Pond E002-P	Road improvement.	Online Retention BMPs	Completed	2012	47	2	Upper Kissimmee	12.5	Not provided	Not provided	County	Not provided	N/A
Osceola County	N/A	OSC-09	Stewart St. Regional Pond Retrofit	Regional pond retrofit.	Wet Detention Pond	Completed	2009	3,851	155	Upper Kissimmee	2,249.2	Not provided	Not provided	County	Not provided	N/A
Osceola County	N/A	OSC-10	Education and Outreach	FYN; landscaping, irrigation, fertilizer, and pet waste management ordinances; PSAs; pamphlets; website; Illicit Discharge Program.	Education Efforts	Underway	N/A	23,396	709	Upper Kissimmee	N/A	Not provided	\$60,000	County	\$60,000	N/A
Osceola County	N/A	OSC-11	Education and Outreach	FYN; landscaping, irrigation, fertilizer, and pet waste management ordinances; PSAs; pamphlets; website; Illicit Discharge Program.	Education Efforts	Underway	N/A	54	6	Lower Kissimmee	N/A	Not provided	\$5,000	County	\$5,000	N/A
Osceola County	Homeowners Association (HOA)	OSC-12	East Lake Reserve Stormwater Reuse	Stormwater reuse for landscape irrigation from Pond A1 (9.1A).	Stormwater Reuse	Completed	Not provided	806	12	Upper Kissimmee	130.8	Not provided	Not provided	HOA	Not provided	N/A
Osceola County	N/A	OSC-13	Neptune Rd. Stormwater Reuse	Stormwater reuse for landscape irrigation from Ponds 100/101 and 300.	Stormwater Reuse	Completed	Not provided	55	2	Upper Kissimmee	35.7	\$640,690	\$26,000	County	Not provided	N/A
Osceola County	HOA	OSC-14	Bellalago and Isles of Bellalago Stormwater Reuse	Stormwater reuse for landscape irrigation (197A).	Stormwater Reuse	Completed	Not provided	6,772	141	Upper Kissimmee	1,386.8	Not provided	Not provided	HOA	Not provided	N/A

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Osceola County	Private	OSC-15	Poinciana Commerce Center Reuse	Stormwater reuse for landscape irrigation from Pond 1.	Stormwater Reuse	Completed	Not provided	30	1	Upper Kissimmee	10.2	Not provided	Not provided	Private	Not provided	N/A
Osceola County	Private	OSC-16	Kissimmee Bay Reuse	Stormwater reuse; 20-yr duration for 84.5 ac of golf course and 5-yr duration for 45.5 ac of landscape irrigation.	Stormwater Reuse	Completed	Not provided	2,006	43	Upper Kissimmee	271.0	Not provided	Not provided	Private	Not provided	N/A
Osceola County	Private	OSC-17	Remington Reuse	Stormwater reuse for golf course irrigation from Ponds 12, 13, 14A, and 14B.	Stormwater Reuse	Completed	Not provided	1,154	27	Upper Kissimmee	149.4	Not provided	Not provided	Private	Not provided	N/A
Osceola County	Private	OSC-18	Eagle Lake Reuse	Stormwater reuse for turf irrigation.	Stormwater Reuse	Completed	Not provided	1,927	42	Upper Kissimmee	435.1	Not provided	Not provided	Private	Not provided	N/A
Osceola County	Private	OSC-19	La Quinta Inn Reuse	Stormwater reuse for turf irrigation.	Stormwater Reuse	Completed	Not provided	31	4	Upper Kissimmee	12.5	Not provided	Not provided	Private	Not provided	N/A
Osceola County	DEP/ SFWMD	OSC-20	Lake Toho Regional Water Storage Facility (Judge Farms)	Construction of 3 large regional stormwater retention ponds or water storage facilities.	STA	Underway	2026	19,346	909	Upper Kissimmee	5,883.0	\$35,000,000	TBD	County/ DEP/ SFWMD	County – \$32,850,000 DEP – \$1,750,000 SFWMD – \$400,000	LP49021 and S0806
Osceola County	N/A	OSC-21	Street Sweeping	Monthly street sweeping.	Street Sweeping	Underway	N/A	102	35	Upper Kissimmee	N/A	Not provided	\$60,000	County	\$60,000	N/A
Osceola County	N/A	OSC-22	Buenaventura Lakes Golf Course Ponds	Two new lakes at golf course.	Wet Detention Pond	Completed	Not provided	13	4	Upper Kissimmee	517.7	Not provided	Not provided	County	Not provided	N/A
Osceola County	N/A	OSC-23	Slaman	Conservation areas.	Land Preservation	Completed	2008	1	0	Upper Kissimmee	32.2	Not provided	\$1,500	County	\$1,500	N/A
Osceola County	N/A	OSC-24	Jim Yates	Conservation areas.	Land Preservation	Completed	2009	7	1	Upper Kissimmee	5.3	Not provided	\$3,750	County	\$3,750	N/A
Osceola County	N/A	OSC-25	Udstad	Conservation areas.	Land Preservation	Completed	2008	17	1	Upper Kissimmee	5.9	Not provided	\$3,500	County	\$3,500	N/A
Osceola County	N/A	OSC-26	Proctor	Conservation areas.	Land Preservation	Completed	2009	1	0	Upper Kissimmee	0.7	Not provided	\$1,750	County	\$1,750	N/A
Osceola County	N/A	OSC-27	Twin Oaks	Conservation areas.	Land Preservation	Completed	2009	584	104	Upper Kissimmee	399.6	Not provided	\$16,500	County	\$16,500	N/A
Osceola County	N/A	OSC-28	Cherokee Point	Conservation areas.	Land Preservation	Completed	2005	15	3	Upper Kissimmee	178.6	Not provided	\$21,800	County	\$21,800	N/A
Osceola County	HOA	OSC-29	Encatada Resort	Stormwater reuse for landscape irrigation from pond.	Stormwater Reuse	Completed	Not provided	73	7	Upper Kissimmee	57.6	Not provided	Not provided	HOA	Not provided	N/A
Osceola County	HOA	OSC-30	Cypress Palms Condos	Stormwater reuse for landscape irrigation from pond.	Stormwater Reuse	Completed	Not provided	23	2	Upper Kissimmee	12.4	Not provided	Not provided	HOA	Not provided	N/A
Osceola County	HOA	OSC-31	Lake Pointe	Stormwater reuse for landscape irrigation from pond.	Stormwater Reuse	Completed	Not provided	711	13	Upper Kissimmee	150.2	Not provided	Not provided	HOA	Not provided	N/A

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Osceola County	HOA	OSC-32	Traditions at Westside	Stormwater reuse for landscape irrigation from pond.	Stormwater Reuse	Completed	Not provided	43	5	Upper Kissimmee	21.7	Not provided	Not provided	HOA	Not provided	N/A
Polk County	Extension Office/ County Utilities/ Lakes Education Action Drive/ Municipal Agencies	PC-01	Education and Outreach	FYN, fertilizer ordinance, PSAs, pamphlets, website, and Illicit Discharge Program.	Education Efforts	Completed	N/A	2,396	86	Lake Istokpoga	N/A	N/A	\$2,000	County	\$2,000	N/A
Polk County	Extension Office/ County Utilities/ Lakes Education Action Drive/ Municipal Agencies	PC-02	Education and Outreach	FYN, fertilizer ordinance, PSAs, pamphlets, website, and Illicit Discharge Program.	Education Efforts	Underway	N/A	901	50	Lower Kissimmee	N/A	N/A	\$3,000	County	\$3,000	N/A
Polk County	Extension Office/ County Utilities/ Lakes Education Action Drive/ Municipal Agencies	PC-03	Education and Outreach	FYN, fertilizer ordinance, PSAs, pamphlets, website, and Illicit Discharge Program.	Education Efforts	Underway	N/A	9,784	262	Upper Kissimmee	N/A	N/A	\$2,000	County	\$2,000	N/A
Polk County	SFWMD	PC-04	Sumica Preserve Water Storage/ Hydrologic Restoration	Construction of gravel berm to store water onsite for wetland restoration.	Wetland Restoration	Completed	2010	TBD	17	Upper Kissimmee	4,077.4	\$42,850	\$13,000	County/ SFWMD	County – \$21,425 SFWMD – \$21,245	N/A
City of Sebring	DEP/ SWFWMD/ Highlands County	SEB-01	Little Lake Jackson Offline Alum Injection Stormwater Treatment	Stormwater diverted through underground culvert, alum injected, and water settles for 7 days in detention pond; treated water released to Little Lake Jackson.	Alum Injection System	Completed	2011	192	112	Lake Istokpoga	Not provided	\$231,494	\$18,500	City/ DEP/ SWFWMD/ Highlands County	Not provided	N/A
City of Sebring	Not provided	SEB-02	Street Sweeping	Street sweeping to collect 602,940 lbs/yr of material.	Street Sweeping	Underway	N/A	261	112	Lake Istokpoga	N/A	Not provided	\$35,000	City	Not provided	N/A
SFWMD	USACE	SFWMD-01	Taylor Creek	Taylor Creek STA is 2-celled STA.	STA	Completed	2008	N/A	3,389	Taylor Creek/ Nubbin Slough	118.0	\$26,900,000	\$141,882	USACE/ SFWMD	USACE – \$26,900,000 SFWMD – \$141,882	N/A
SFWMD	USACE	SFWMD-02	Nubbin Slough	Nubbin Slough STA is larger of 2 pilot STAs constructed north of lake; 2-celled enclosure. STA is	STA	Completed	2015	N/A	8,878	Taylor Creek/ Nubbin Slough	773.0	Included in SFWMD-1	\$196,548	USACE/ SFWMD	USACE – Included in SFWMD-1 SFWMD – \$196,548	N/A

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				currently not operating at full capacity because of unresolved issues from construction.												
SFWMD	USACE	SFWMD-03	Lakeside Ranch Phase I	Phase I included northern STA and inflow pump station (S-650), which began operating in 2012.	STA	Completed	2012	N/A	15,080	Taylor Creek/ Nubbin Slough	919.0	\$22,800,000	\$132,704	Florida Legislature	USACE \$22,800,000 SFWMD – \$132,704	N/A
SFWMD	N/A	SFWMD-04	Otter Slough Restoration	Project included 5 ditch plugs and removal of 2 berms; helps attenuate regional stormwater runoff, as well as providing nutrient reductions because plant uptake from overland flows. In 2011 Lake Ockeechobee Protection Plan (LOPP), project would create 71 ac-ft of storage.	Hydrologic Restoration	Completed	2009	N/A	12	Lower Kissimmee	500.0	N/A	\$0	N/A	N/A	N/A
SFWMD	USACE	SFWMD-05	Kissimmee River Restoration	Restore ecological integrity by restoring 40 mi of meandering river and more than 12,000 mi of wetlands through design and construction of physical project features coupled with application of optimized hydrologic conditions.	Hydrologic Restoration	Underway	2020	N/A	39,128	Lower Kissimmee	25,000.0	\$780,000,000	N/A	USACE	USACE – \$780,000,000	N/A
SFWMD	DEP	SFWMD-06	Phase I Rolling Meadows	Goal of project is to restore historical Lake Hatchineha floodplain wetlands and habitat in Rolling Meadows property, purchased jointly with DEP.	Wetland Restoration	Completed	2016	N/A	144	Upper Kissimmee	1,900.0	\$43,200,000	\$150,000	DEP	DEP – \$150,000	Not provided
SFWMD	N/A	SFWMD-07	Gardner-Cobb Marsh	Located south of Cypress Lake. Project included activities such as 23 ditch plugs, berm removal, exotic treatment, and culvert replacement; helps attenuate regional stormwater runoff and provide incidental	Hydrologic Restoration	Planned	TBD	N/A	11	Upper Kissimmee	2,000.0	TBD	\$0	Florida Legislature	TBD	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				nutrient reductions because of plant uptake from overland flows in marsh.												
SFWMD	N/A	SFWMD-08	Rough Island	Located southwest of Cypress Lake and west of C-36 Canal. Project included activities such as ditch plugs, ditch filling, and exotic removal; helps attenuate regional stormwater runoff and provides incidental nutrient reductions because of plant uptake from overland flows. Creates 215 ac-ft of storage.	Hydrologic Restoration	Completed	2009	N/A	134	Upper Kissimmee	1,000.0	N/A	\$0	N/A	N/A	N/A
SFWMD	N/A	SFWMD-09	Oasis Marsh Restoration	Oasis wetlands are located in floodplain of southwest corner of Lake Kissimmee; site is mosaic of dewatered wetlands and uplands. To restore floodplain function, 4 ditches totaling 2.4 ac in size were filled with 3,144 cubic yds of sediment from levee adjacent to site in 2010. Restoration of topography of Oasis Marsh will restore 77 ac of wetlands and reconnect them to littoral zone of Lake Kissimmee.	Wetland Restoration	Completed	2010	N/A	431	Upper Kissimmee	77.0	N/A	\$0	N/A	N/A	N/A
SFWMD	N/A	SFWMD-10	West Waterhole Marsh	Storage of 4,848 ac-ft of water through above-ground impoundment.	DWM	Completed	2006	N/A	9,185	Indian Prairie	4,848.0	\$50,000	\$470,238	Florida Legislature	Florida Ranchlands Environmental Services Project (FRESP) – \$470,238	N/A
SFWMD	N/A	SFWMD-11	Rafter T Ranch	Storage of 1,298 ac-ft of water through above-ground impoundment and pasture.	DWM	Completed	2014	N/A	198	Lake Istokpoga	1,298.0	\$580,741	\$162,736	Florida Legislature	Florida Legislature – \$743,477	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
SFWMD	N/A	SFWMD-12	Buck Island Ranch (NEPES-1)	Storage of 1,573 ac-ft of water through pasture.	DWM	Completed	2012	N/A	2,397	Indian Prairie	1,573.0	\$1,725	\$173,600	Florida Legislature	Florida Legislature – \$173,600	N/A
SFWMD	N/A	SFWMD-13	Dixie West	Storage of 315 ac-ft of water through pasture.	DWM	Completed	2012	N/A	508	Lower Kissimmee	315.0	\$33,000	\$51,500	Florida Legislature	Florida Legislature – \$51,500	N/A
SFWMD	N/A	SFWMD-14	Dixie Ranch	Storage of 856 ac-ft of water through pasture.	DWM	Completed	2012	N/A	454	Lower Kissimmee	856.0	\$42,500	\$146,500	Florida Legislature	Florida Legislature – \$146,500	N/A
SFWMD	N/A	SFWMD-15	Dixie Ranch	Storage of 856 ac-ft of water through pasture.	DWM	Completed	2012	N/A	See SFWMD-14	Taylor Creek/ Nubbin Slough	856.0	Included in SFWMD-14	Included in SFWMD-14	Included in SFWMD-14	Included in SFWMD-14	N/A
SFWMD	N/A	SFWMD-16	Lost Oak Ranch	Storage of 374 ac-ft of water through pasture.	DWM	Completed	2013	N/A	62	Upper Kissimmee	374.0	\$79,073	\$55,000	Florida Legislature	Florida Legislature – \$55,000	N/A
SFWMD	N/A	SFWMD-17	Willaway Cattle and Sod	Storage of 229 ac-ft of water through above-ground impoundment.	DWM	Completed	2013	N/A	252	Lower Kissimmee	229.0	\$302,479	\$1,878	Florida Legislature	Florida Legislature – \$1,878	N/A
SFWMD	N/A	SFWMD-18	XL Ranch (Lightsey)	Storage of 887 ac-ft of water through above-ground impoundment and pasture.	DWM	Completed	2012	N/A	156	Fisheating Creek	887.0	\$61,396	\$137,000	Florida Legislature	Florida Legislature – \$137,000	N/A
SFWMD	N/A	SFWMD-19	Triple A Ranch	Storage of 397 ac-ft of water through above-ground impoundment.	DWM	Completed	2015	N/A	173	Lower Kissimmee	397.0	\$322,186	\$30,000	Florida Legislature	Florida Legislature – \$30,000	N/A
SFWMD	N/A	SFWMD-20	La Hamaca (Blue Head Ranch)	Storage of 3,462 ac-ft of water through pasture.	DWM	Underway	2017	N/A	1,597	Fisheating Creek	3,462.0	\$193,750	\$361,200	Florida Legislature	Florida Legislature – \$361,200	N/A
SFWMD	N/A	SFWMD-21	Nicodemus Slough	Storage of 33,860 ac-ft of water through above-ground impoundment and pasture.	DWM	Completed	2015	N/A	7,162	Fisheating Creek	33,860.0	\$4,900,000	\$2,500,000	Florida Legislature	Florida Legislature – \$2,500,000	N/A
SFWMD	USACE	SFWMD-22	Kissimmee River Headwaters Revitalization	Land use change to wetlands in project area.	Hydrologic Restoration	Underway	2020	N/A	1,249	Upper Kissimmee	7,200.0	Included in SFWMD-05	Included in SFWMD-05	Included in SFWMD-05	Included in SFWMD-05	N/A
SFWMD	N/A	SFWMD-23	Buck Island Ranch Wildlife Management Area (WMA) (NE PES-2)	Storage of 620 ac-ft of water through pasture.	DWM	Completed	2015	N/A	N/A	Indian Prairie	620.0	\$624,600	\$163,500	Florida Legislature	Florida Legislature – \$163,500	N/A
Spring Lake Improvement District (SLID)	DEP	SLID-01	SLID Improvements Phases 1–3	Treatment of runoff through STA.	STA	Completed	2016	196	154	Lake Istokpoga	3,016.0	\$3,671,712	\$60,000	SLID/ DEP/ Florida Legislature	SLID – \$69,267 DEP – \$3,186,445 Legislature – \$416,000	G0377
SLID	N/A	SLID-02	SLID Improvements Phase 4	Modification of existing STA (Project SLID-1) to include	STA	Canceled	N/A	N/A	N/A	Lake Istokpoga	N/A	N/A	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				bypass weir to direct more water to STA.												
Town of Windermere	SFWMD	TW-01	First Ave. and Forest St. Drainage Improvements	Construction of vegetated swales, exfiltration trench systems, and oil/grit separation units to treat stormwater runoff into Wauseon Bay, which is directly connected to Lake Butler, which is Outstanding Florida Water.	Drainage Improvement	Underway	2018	66	9	Upper Kissimmee	23.5	\$566,889	Not provided	Town/SFWMD	Town – \$391,889 SFWMD – \$175,000	N/A

St. Lucie River and Estuary BMAP

Background

The St. Lucie River and Estuary Basin is a 514,649-ac watershed located in southeast Florida in Martin, St. Lucie, and Okeechobee Counties. It drains into the St. Lucie Estuary, a major tributary of the southern IRL (**Figure A-3**). Water quality in the St. Lucie Estuary is affected by freshwater runoff from agricultural and urban sources in the watershed and discharges from Lake Okeechobee.

DEP identified the St. Lucie River and Estuary as impaired because of excessive amounts of TP, TN, and biochemical oxygen demand (BOD). In March 2009, DEP adopted the nutrient and DO TMDL for the St. Lucie Basin. The St. Lucie River and Estuary BMAP was adopted in June 2013 to implement the TN and TP TMDLs.

Status of Projects

Through December 31, 2017, 221 projects were completed. An additional 26 projects that are underway or planned were added to the BMAP. The projects completed to date are estimated to achieve total reductions of 532,312 lbs/yr of TN, or 51 % of the reductions needed to meet the TN TMDL and 139,736 lbs/yr of TP, or 35 % of the reductions needed to meet the TP TMDL.

The St. Lucie BMAP is governed by Paragraph 373.4595, F.S., as a part of the NEEPP. The primary goal of this program is to restore and protect the state's surface water resources by addressing the quality, quantity, timing and distribution of water to the natural system. The statutorily required milestones for implementation and water quality improvement, and associated water quality monitoring component were included in the 5-Year Review for the St. Lucie BMAP, completed in June 2018, and will be adopted into the next revision of the BMAP.

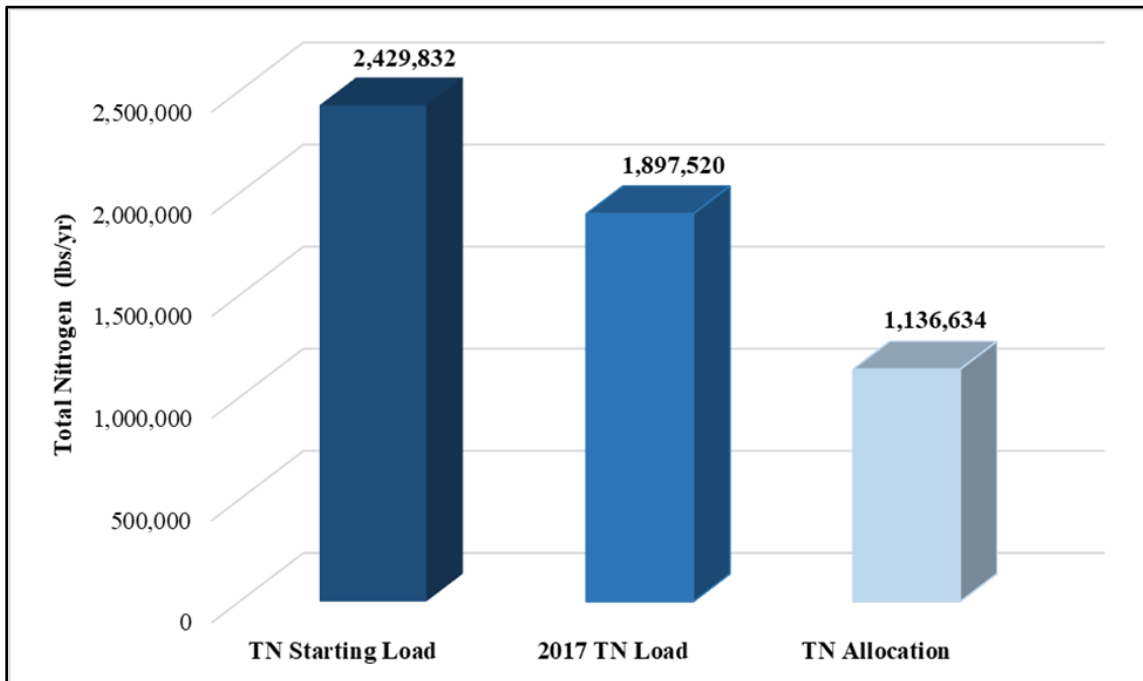


Figure A-5. Estimated progress toward meeting the St. Lucie TN TMDL. Reductions are associated with projects completed through December 31, 2017.

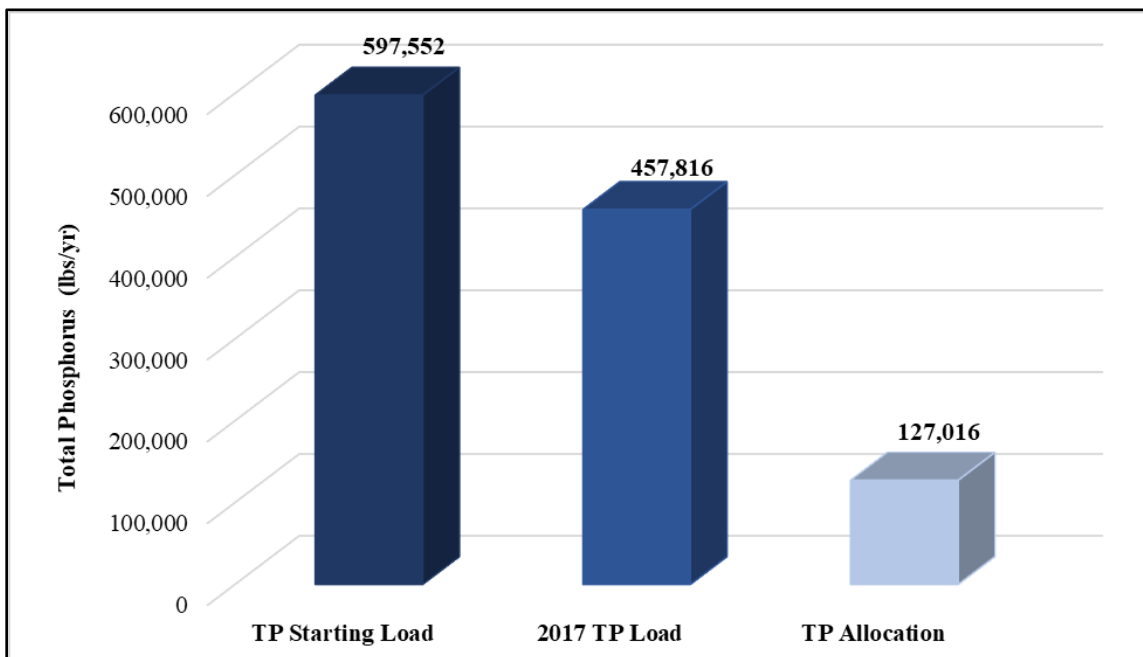


Figure A-6. Estimated progress toward meeting the St. Lucie TP TMDL. Reductions are associated with projects completed through December 31, 2017.

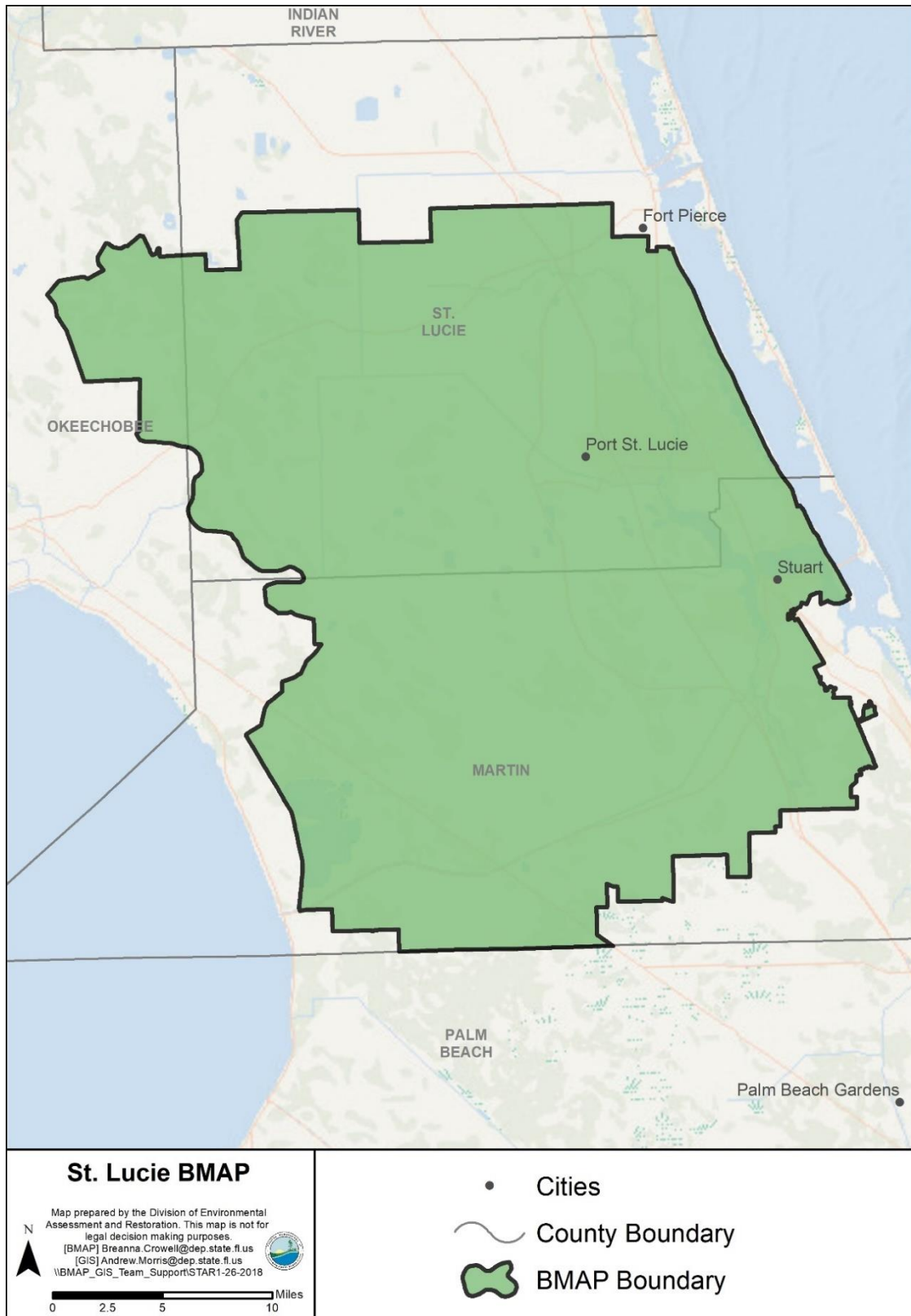


Figure A-7. St. Lucie River and Estuary BMAP Area

Table A-3. St. Lucie BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDACS	N/A	FDACS-01	BMP Enrollment	Agricultural BMPs are practical, cost-effective actions that agricultural producers can take to reduce amount of pesticides, fertilizers, animal waste, and other pollutants entering water resources; and to increase water use efficiencies.	Agricultural BMPs	Completed	2013	132,143	29,594	Primary BMAP Area	N/A	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	FDACS-02	Agricultural Land Use Changes	Differences in agricultural land use between 2004 SFWMD land use coverage and land use at time of BMAP adoption. Identified by FDACS using aerial imagery and local field staff knowledge. Includes acres that are fallow or out of production, or that were converted to urban/nonagricultural use in basin.	Land Use Change	Completed	2013	171,776	54,191	Primary BMAP Area	N/A	N/A	N/A	N/A	N/A	N/A
FDOT	N/A	FDOT-01	FM# 230108-1 (Ponds 2 and 3)	Widening and new late construction on SR 68 from SR 9 to east of County Road (CR) 607A (40 % credit, remaining 60 % to Central Indian River Lagoon (CIRL)).	Wet Detention Pond	Completed	2013	1	0	Primary BMAP Area	18	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-02	FM# 230108-1	Combined with FDOT-01.	Wet Detention Pond	Completed	2013	N/A	N/A	Primary BMAP Area	18	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-03	FM# 230262-4	Road widening of SR 70 from west of Rim Ditch Canal to west of Header Canal.	Dry Detention Pond	Completed	2008	69	18	Primary BMAP Area	102	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-04	FM# 230262-5	Road widening of SR 70 from Turnpike to Berman Rd.	Dry Detention Pond	Completed	2010	60	15	Primary BMAP Area	124	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-05	FM# 230262-3	Road widening of SR 70 from Okeechobee County line, east 10.2 mi.	Dry Detention Pond	Completed	2012	168	38	Primary BMAP Area	195	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-06	FM# 230262-2	Road widening of SR 70 from Okeechobee County line, east 10.2 mi.	Dry Detention Pond	Completed	2015	110	36	Primary BMAP Area	238	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-07	FM# 230295-1	Road widening of SR 716 from Westmore-land Bridge. to SR 5.	Dry Detention Pond	Completed	2003	9	2	Primary BMAP Area	17	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-08	SPN 99004-1585	Road widening of SR 5 from Jensen Beach Blvd. to Port St. Lucie Blvd.	Dry Detention Pond	Completed	2003	16	3	Primary BMAP Area	31	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-09	SPN 99004-1585 (Lake 3)	Road widening of SR A1A from Sewalls Point Rd. to west of MacArthur Blvd.	Wet Detention Pond	Completed	2003	14	5	Primary BMAP Area	13	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-10	FM# 228819-1 (Basin A and B)	SR A1A Ernest Lyons Bridge Replacement	Wet Detention Pond	Completed	2007	0.2	0.1	Primary BMAP Area	0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-11	FM# 228821-1 (West 1 A)	SR A1A Evans Crary Senior Bridge Replacement.	Exfiltration Trench	Completed	2001	5	1	Primary BMAP Area	2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-12	FM# 228821-1 (East)	SR A1A Evans Crary Senior Bridge Replacement.	Exfiltration Trench	Completed	2001	2	0	Primary BMAP Area	1	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDOT	N/A	FDOT-13	FM# 228831-1	Bridge replacement at SR 714 crossing over Florida's Turnpike.	Dry Detention Pond	Completed	2000	3	1	Primary BMAP Area	9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-14	FM# 228801-1	Road widening of SR 5 from Seabranh Blvd. to north of Salerno Rd.	Dry Detention Pond	Completed	2003	1	0	Primary BMAP Area	2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-15	FM# 405504-1	SR 9 rest area improvements.	Dry Detention Pond	Completed	2005	24	5	Primary BMAP Area	54	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-16	FM# 230288-2	Road widening of SR 5 from Rio Mar Dr. to Midway Rd.	Wet Detention Pond	Completed	2009	63	22	Primary BMAP Area	44	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	City of Port St. Lucie	FDOT-17	FM# 419890-1	Construction of interchange at SR 9 and Becker Rd.	BMP Treatment Train	Completed	2010	2	2	Primary BMAP Area	42	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-18	Street Sweeping	Not provided.	Street Sweeping	Completed	2013	1,419	910	Primary BMAP Area	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-19	Public Education	Pamphlets.	Education Efforts	Completed	2013	31	6	Primary BMAP Area	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	Martin County	FDOT-20	FM# 230978-1 Indian St. Bridge (Pond East)	New bridge crossing on CR 714 from west of Mapp Rd. to east of SR 76 on Indian St.	Dry Detention Pond	Completed	2014	2	0	Primary BMAP Area	21	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-21	FM# 230978-1 Indian St. Bridge (Pond West)	New bridge crossing on CR 714 from west of Mapp Rd. to east of SR 76 on Indian St.	Wet Detention Pond	Completed	2014	0.1	0.0	Primary BMAP Area	34	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-22	SR 615 Midway Rd. to Edwards Rd. (Basin B-1)	Not provided.	Wet Detention Pond	Completed	2009	5	2	Primary BMAP Area	8	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-23	SR 615 Midway Rd. to Edwards Rd. (Basin E)	Not provided.	Wet Detention Pond	Completed	2009	6	2	Primary BMAP Area	9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-24	FM# 410717-1 SR 70 Widening Kings Highway (Hwy.) to Jenkins Rd. (West Basin)	Road widening on SR 70 from Kings Hwy. to Jenkins Rd.	Dry Detention Pond	Completed	2012	3	1	Primary BMAP Area	6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-25	SR 713 (King's Hwy.) Turn Lanes	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	0	0	Primary BMAP Area	1	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-26	Johnson Honda of Stuart Turn Lane (Basin A and B)	Not provided.	Exfiltration Trench	Completed	2010	0.1	0.0	Primary BMAP Area	0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-27	FM# 228852-1 SR 76 Drainage Improvements at Cabana Point (Pond 9A)	SR 76 drainage improvements at Cabana Point.	Wet Detention Pond	Completed	2006	10	3	Primary BMAP Area	5	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-28	FM# 228852-1 Osprey Ridge Planned Unit Development (PUD) – SR 76 Improvements	SR 76 Osprey Ridge PUD drainage improvements.	Exfiltration Trench	Completed	2007	0.1	0.0	Primary BMAP Area	0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-29	FM# 228852-1 SR 76 Improvements – Kanner Professional Center	SR 76 Improvements – Kanner Professional Center.	Exfiltration Trench	Completed	2009	0.2	0.0	Primary BMAP Area	0	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDOT	N/A	FDOT-30	FM# 228851-1 (Basin A)	Resurfacing of SR 5 from just north of Bridge Rd. to just north of SE Dharyls St.	Dry Detention Pond	Completed	2004	TBD	TBD	Special Project BMAP Area. Projects are located in South Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-31	FM# 228851-1	Resurfacing of SR 5 from just north of Bridge Rd. to just north of SE Dharyls St.	Dry Detention Pond	Completed	2004	TBD	TBD	Special Project BMAP Area. Projects are located in South Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	26	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-32	FM# 230132-1 (System No. 1)	Road widening of SR 615 between Ave. Q and Industrial Ave.	Dry Detention Pond	Completed	2001	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	3	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-33	FM# 228758-1	SR 732 bridge replacement over Intracoastal Waterway.	Dry Detention Pond	Completed	2006	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	19	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-34	FM# 228819-1 (Basin C)	Road reconstruction and construction of 2 new bridges on SR A1A from Sewall's Point Rd. to west of MacArthur Blvd.	Dry Detention Pond	Completed	2007	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	16	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-35	FM# 228819-1 (Basin D)	Road reconstruction and construction of 2 new bridges on SR A1A from Sewall's Point Rd. to west of MacArthur Blvd.	Exfiltration Trench	Completed	2007	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be	4	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
										considered for credit in next BMAP iteration.						
FDOT	N/A	FDOT-36	FM# 228819-1 (Basin E)	Road reconstruction and construction of 2 new bridges on SR A1A from Sewall's Point Rd. to west of MacArthur Blvd.	Exfiltration Trench	Completed	2007	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	5	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-37	FM# 405167-1	Resurfacing of SR A1A from Hutchinson House West North to Martin County.	Online Retention BMPs	Completed	2005	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	30	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-38	FM# 230296-1	Shoulder widening and drainage improvements on SR A1A from C-1 Intake Canal to Fort Pierce city limits.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2009	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	89	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-39	FM# 230297-1 SR A1A Roadway Improvements Phase 3	Roadway improvements on SR A1A from Blue Heron Blvd. to Gulfstream Ave.	Exfiltration Trench	Completed	2010	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-40	FM# 228758-1 SR 702 Jensen Beach Causeway	New roadway construction on SR 702 from Indian River Dr. to SR A1A.	Dry Detention Pond	Completed	2008	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	34	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-41	FM# 419250-2 SR 710 Bridge Replacement – 100A, 100B, and 200	Big John Monahan Bridge replacement on SR 710 from SW Trail Dr. to east of SR 76 connector ramps.	Dry Detention Pond	Completed	2015	3	0	Primary BMAP Area	17	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDOT	N/A	FDOT-42	FM# 419250-2 SR 710 Bridge Replacement – 300 and 500	Big John Monahan Bridge replacement on SR 710 from SW Trail Dr. to east of SR 76 connector ramps.	Dry Detention Pond	Completed	2015	7	1	Primary BMAP Area	28	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-43	FM# 413046-1 SR 9 Widening	Road widening on SR 9 from Okeechobee Rd. to south of Indrio Rd.	Online Retention BMPs	Completed	2015	75	14	Primary BMAP Area	152	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-44	FM# 423022-1 CR 68 Orange Ave.	County to provide geographic information system (GIS) data for county road; proposed split of 25 % to FDOT and 75 % to St. Lucie County.	Dry Detention Pond	Completed	2015	TBD	TBD	Primary BMAP Area	6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-45	FM# 230108-1 SR 68 Orange Ave. (40 % credit)	Combined with FDOT-1.	Wet Detention Pond	Completed	2005	N/A	N/A	Primary BMAP Area	18	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	St. Lucie County	FDOT-46	231440-2 Midway Rd. Widening, 25th St. to US 1 (Pond 1 and 2)	Road widening on Midway Rd. from SR 68 to SR 5.	Wet Detention Pond	Underway	Not provided	0.2	0.4	Primary BMAP Area	17	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	St. Lucie County	FDOT-47	231440-2 Midway Rd. Widening, 25th St. to US 1 (Pond 3 and 4)	Road widening on Midway Rd. from SR 68 to SR 5.	Wet Detention Pond	Underway	Not provided	0.2	0.5	Primary BMAP Area	14	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	St. Lucie County	FDOT-48	231440-2 Midway Rd. Widening, 25th St. to US 1 (Pond 5)	Road widening on Midway Rd. from SR 68 to SR 5.	Wet Detention Pond	Underway	Not provided	0.2	0.6	Primary BMAP Area	11	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-49	230978-2 CR 714 Martin Hwy. Widening – Danforth Basin	Road widening on CR 714 (Martin Hwy.) from east of Turnpike to just west of Mapp Rd.	Wet Detention Pond	Completed	2016	3	4	Primary BMAP Area	17	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-50	230978-2 CR 714 Martin Hwy. Widening – Wetlands Basin	Road widening on CR 714 (Martin Hwy.) from east of Turnpike to just west of Mapp Rd.	Wet Detention Pond	Completed	2016	2	2	Primary BMAP Area	12	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-51	422641-3 SR 76 Widening from I-95 to Monterey Rd. Pond 1	Road widening on SR 76 from I-95 to Monterey Rd.	Dry Detention Pond	Underway	2018	2	1	Primary BMAP Area	5	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-52	422641-3 SR 76 Widening from I-95 to Monterey Rd. Pond 2A	Road widening on SR 76 from I-95 to Monterey Rd.	Wet Detention Pond	Underway	2018	2	1	Primary BMAP Area	7	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-53	422641-3 SR 76 Widening from I-95 to Monterey Rd. Pond 2B	Road widening on SR 76 from I-95 to Monterey Rd.	Wet Detention Pond	Underway	2018	3	1	Primary BMAP Area	15	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-54	422641-3 SR 76 Widening from I-95 to Monterey Rd. Pond 3	Road widening on SR 76 from I-95 to Monterey Rd.	Wet Detention Pond	Underway	2018	5	4	Primary BMAP Area	25	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-55	422641-3 SR 76 Widening from I-95 to Monterey Rd. Pond 4	Road widening on SR 76 from I-95 to Monterey Rd.	Wet Detention Pond	Underway	2018	3	2	Primary BMAP Area	12	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-56	422641-3 SR 76 Widening from I-95 to Monterey Rd. Pond 8	Road widening on SR 76 from I-95 to Monterey Rd.	Wet Detention Pond	Underway	2018	3	2	Primary BMAP Area	11	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-57	Fertilizer Application Cessation	Not provided.	Fertilizer Cessation	Completed	2016	TBD	TBD	Primary BMAP Area	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A

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FDOT	N/A	FDOT-58	FM# 432705-1	Road widening of SR 710 from north of Indiantown Rd. to just south of bridge over C-44 Canal.	Grass Swales without Swale Blocks or Raised Culverts	Underway	2020	8	0	Primary BMAP Area	121	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	FDOT-59	FM# 432705-1	Road widening of SR 710 from north of Indiantown Rd. to just south of C-44 Canal bridge.	Grass Swales without Swale Blocks or Raised Culverts	Underway	2020	3	1	Primary BMAP Area	38	Not provided	Not provided	Florida Legislature	Not provided	N/A
City of Fort Pierce	DEP	FP-01	Indian Hills Recreation Area Stormwater Improvements Phase I (formerly known as Heathcote Botanical Gardens Treatment Train)	Treatment train of 6 different BMPs are joined to improve water quality of stormwater runoff that discharges into IRL.	BMP Treatment Train	Completed	2015	N/A	N/A	Outside BMAP Boundary	1,242	\$3,000,000	\$113,000	DEP	\$1,410,000	SO579
City of Fort Pierce	N/A	FP-02	Moore's Creek Retrofit – Phases 3 and 4	Not provided.	Wet Detention Pond	Completed	2008	N/A	N/A	Outside BMAP Boundary	72	\$825,000	Not provided	Not provided	Not provided	N/A
City of Fort Pierce	N/A	FP-03	Street Sweeping	City removed 6,599 cubic yds of debris.	Street Sweeping	Completed	2013	2,020	1,295	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Pierce	N/A	FP-04	Inlet Cleaning	City cleans storm inlets throughout city and disposes of waste (194 cubic yds).	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2013	65	40	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Pierce	N/A	FP-05	Education Program	City delivers educational programs to public through trade associations, HOAs, or other means. Educates on hazards associated with illicit discharge, fertilizer, importance of water quality, and stormwater pollution protection. Has web page devoted to National Pollutant Discharge Elimination System (NPDES), DEP, and stormwater education.	Education Efforts	Completed	2013	215	49	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Pierce	N/A	FP-06	Virginia Ave. Outfall Canal	Stabilization of eroded canal banks as result of Tropical Storm Fay using rock rip-rap and gabion basket wall construction.	Shoreline Stabilization	Completed	2008	N/A	N/A	Outside BMAP Boundary	161	\$3,462,572	\$1,500	Not provided	Not provided	N/A
City of Fort Pierce	N/A	FP-07	Moore's Creek Retrofit Phase 2	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2008	N/A	N/A	Outside BMAP Boundary	1,680	\$1,480,437	Not provided	Not provided	Not provided	N/A
City of Fort Pierce	N/A	FP-08	South Beach Baffle Boxes	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2005	N/A	N/A	Outside BMAP Boundary	128	\$557,003	Not provided	Not provided	Not provided	N/A
City of Fort Pierce	DEP	FP-09	Veterans Park Stormwater Improvements	Improvements to existing stormwater facility to incorporate BMPs along with pervious parking, lake construction, and bioswales.	BMP Treatment Train	Completed	2016	N/A	N/A	Outside BMAP Boundary	44	\$2,367,000	Not provided	DEP	\$807,500	SO696 G0417

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Fort Pierce	N/A	FP-10	North 2nd St. (Seaway Dr. north to Taylor Creek Marina)	Project entails complete reconstruction of 2nd St, including drainage conveyance/storage, utility upgrades and replacement, roadway widening and reconstruction, sidewalk on west side, landscaping and lighting improvements.	Wet Detention Pond	Completed	2017	N/A	N/A	Outside BMAP Boundary	Not provided	\$1,909,176	Not provided	Not provided	Not provided	N/A
City of Fort Pierce	DEP	FP-11	Indian Hills Recreation Area Stormwater Improvements Phase II	Reestablishment of wetlands and pervious paver parking areas.	Wetland Restoration	Completed	2016	TBD	TBD	Primary BMAP Area	61	\$2,337,485	Not provided	DEP	\$1,410,000	S0579
City of Fort Pierce	N/A	FP-12	Ave. F (US Hwy. 1 to 6th St.)	Drainage improvements along Ave. F will include curb inlets, 100 LF of exfiltration trench, complete curb replacement, and roadway resurfacing.	Exfiltration Trench	Completed	2017	N/A	N/A	Outside BMAP Boundary	Not provided	\$186,327	Not provided	Not provided	Not provided	N/A
City of Fort Pierce	N/A	FP-13	Mechanical removal of water lettuce at Moore's Creek between N 10th St. and N 13th St.	One-time mechanical removal of water lettuce at Moore's Creek between N 10th St. and N 13th St.	Aquatic Vegetation Harvesting	Completed	2016	N/A	N/A	Outside BMAP Boundary	0.04	\$10,740	N/A	Not provided	Not provided	N/A
Hobe St. Lucie Conservancy District	Not provided	HSL-01	Hobe Sound Polo Club	Not provided.	BMP Treatment Train	Completed	2013	3,097	1,014	Primary BMAP Area	1,736	Not provided	Not provided	Not provided	Not provided	N/A
Hobe St. Lucie Conservancy District	Not provided	HSL-02	Changes in Agricultural Land Uses	Not provided.	Land Use Change	Completed	2013	7,000	2,259	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Hobe St. Lucie Conservancy District	Not provided	HSL-03	90 % Implementation Agricultural BMPs	Not provided.	Agricultural BMPs	Completed	2013	191	30	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Martin County	SFWMD/ DEP	MC-01	Cedar Point Water Quality Retrofit	1.7 ac-ft of water quality treatment (0.36 inches [in]).	BMP Treatment Train	Completed	2004	72	34	Primary BMAP Area	31	\$398,027	Not provided	DEP	\$127,000	SO101
Martin County	SFWMD/ DEP	MC-02	Indian River Dr. Baffle Boxes	Not provided.	Baffle Boxes – 2nd Generation	Completed	2010	31	6	Primary BMAP Area	39	\$741,827	Not provided	DEP/ SFWMD	SFWMD – \$187,000 DEP – \$208,137	SO363
Martin County	SFWMD/ DEP	MC-03	Warner Creek/Leilani Heights Water Quality Retrofit Phase I	8.0 ac-ft of water quality treatment (0.14 in).	BMP Treatment Train	Completed	2011	230	49	Primary BMAP Area	70	\$541,854	Not provided	DEP/ SFWMD	DEP – \$558,625 SFWMD – \$825,000 SFWMD – \$704,375	G0264
Martin County	SFWMD/ DEP	MC-04	Warner Creek Phase II	Not provided.	Dry Detention Pond	Completed	2012	6	1	Primary BMAP Area	15	\$1,750,338	Not provided	DEP/ SFWMD	Included in MC-03 above	G0264
Martin County	SFWMD/ DEP	MC-05	Warner Creek Phase III – Beacon 21	Not provided.	Wet Detention Pond	Completed	2012	1,291	597	Primary BMAP Area	1,354	\$2,122,935	Not provided	DEP/ SFWMD	Included in MC-03 above	G0264

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Martin County	SFWMD/ DEP	MC-06	Manatee Creek Water Quality Retrofit Phases I, II, and III	30.4 ac-ft of water quality treatment (0.44 in).	BMP Treatment Train	Completed	2012	6	4	Primary BMAP Area	16	\$7,026,439	Not provided	DEP/SFWMD	DEP – \$1,833,992 SFWMD – \$2,591,205	OT040740 SO0257
Martin County	SFWMD/ DEP	MC-07	Rio/St. Lucie Water Quality Retrofit – Phase 1	3.0 ac-ft of water quality treatment (0.35 in).	BMP Treatment Train	Completed	2006	41	11	Primary BMAP Area	8	\$354,161	Not provided	DEP	\$300,179	SO100
Martin County	SFWMD/ DEP	MC-08	Rio/St. Lucie Water Quality Retrofit – Phase 2	Not provided.	BMP Treatment Train	Completed	2008	190	74	Primary BMAP Area	120	\$998,170	Not provided	DEP	\$776,170	OT050685
Martin County	SFWMD/ DEP	MC-09	Salerno Creek Water Quality Retrofit	54.5 ac-ft of water quality treatment (1.03 in).	BMP Treatment Train	Completed	2003	408	134	Primary BMAP Area	208	\$4,715,074	Not provided	DEP	\$1,541,568	OT060149 WAP068 WM800 SP379
Martin County	SFWMD/ DEP	MC-10	Coral Gardens Water Quality Retrofit	8.5 ac-ft of water quality treatment (0.05 in).	BMP Treatment Train	Completed	2005	1,376	936	Primary BMAP Area	2,008	\$2,321,860	Not provided	DEP	\$2,009,741	OT040741 SO116
Martin County	SFWMD/ DEP	MC-11	Fern Creek Water Quality Retrofit	29.8 ac-ft of water quality treatment (0.81 in).	BMP Treatment Train	Completed	2005	685	258	Primary BMAP Area	607	\$2,660,200	Not provided	DEP	\$761,141	SO078 WAP027
Martin County	SFWMD/ DEP/ FEMA	MC-12	Old Palm City Water Quality Retrofit Phases I, II, and III	8.1 ac-ft of water quality treatment (0.51 in).	BMP Treatment Train	Completed	2004	244	96	Primary BMAP Area	141	\$4,576,473	Not provided	DEP/ SFWMD/ FEMA	DEP – \$851,156 SFWMD – \$1,200,000 FEMA – \$593,553	G0034 OT060148
Martin County	SFWMD/ DEP	MC-13	North River Shores Baffle Boxes	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	4	4	Primary BMAP Area	187	\$1,310,000	Not provided	DEP	\$500,000	SP557
Martin County	SFWMD/ DEP	MC-14	Palm Lake Park Water Quality Retrofit	7.7 ac-ft of water quality treatment (1.16 in).	BMP Treatment Train	Completed	2003	108	42	Primary BMAP Area	80	\$1,741,098	Not provided	DEP	\$1,480,936	WAP026
Martin County	SFWMD/ DEP	MC-15	Tropical Farms Water Quality Retrofit	43.2 ac-ft of water quality treatment (1.11 in).	BMP Treatment Train	Completed	2010	945	309	Primary BMAP Area	470	\$4,047,219	Not provided	DEP/ SFWMD	SFWMD – \$1,412,000 DEP – \$1,180,589	OT060152 SO361
Martin County	N/A	MC-16	Septic to Central Sewer Conversions	1,121 single- and multifamily residential and commercial units in 5 neighborhoods.	Septic Tank Phase Out	Completed	2014	15,386	N/A	Primary BMAP Area	N/A	\$28,678,946	Not provided	NEEPP – North River Shores neighborhood	Not provided	N/A
Martin County	SFWMD	MC-17	Danforth Creek – Phase 1	Not provided.	Wet Detention Pond	Completed	2014	2,435	1,011	Primary BMAP Area	2,459	\$1,869,255	Not provided	SFWMD	\$1,035,515	N/A
Martin County	N/A	MC-18	Street Sweeping	Not provided.	Street Sweeping	Completed	2013	108	69	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Martin County	N/A	MC-19	Baffle Box and Structure Cleanout	Not provided.	Catch Basin Inserts/ Inlet Filter Cleanout	Completed	2013	397	161	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Martin County	N/A	MC-20	Education Program	FYN; landscaping, irrigation, fertilizer, and pet waste ordinances; PSAs, pamphlets, website, Illicit Discharge Program.	Education Efforts	Completed	2013	6,049	1,342	Primary BMAP Area	N/A	Not provided	Not provided	County	\$60,000	N/A
Martin County	FDOT	MC-21	FM# 230978-1 Indian St. Bridge (Pond East)	Not provided.	Dry Detention Pond	Completed	2014	5	1	Primary BMAP Area	21	Not provided	Not provided	Not provided	Not provided	N/A
Martin County	FDOT	MC-22	FM# 230978-1 Indian St. Bridge (Pond West)	Not provided.	Wet Detention Pond	Completed	2014	0	0	Primary BMAP Area	34	Not provided	Not provided	Not provided	Not provided	N/A

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Martin County	DEP	MC-23*	Golden Gate Water Quality Retrofit Phases I, II	Not provided.	Dry Detention Pond	Completed	2003	TBD	TBD	Special Project BMAP Area. Projects are located in South Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	202	\$2,046,145	Not provided	DEP	\$1,322,772	WAP030 G0012
Martin County	DEP	MC-24*	Golden Gate Water Quality Retrofit Phase III	Not provided.	BMP Treatment Train	Completed	2004	TBD	TBD	Special Project BMAP Area. Projects are located in South Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	27	\$584,371	Not provided	DEP	\$313,060	SO105
Martin County	DEP	MC-25*	Hibiscus Park Water Quality Retrofit Phases I and II	Not provided.	Wet Detention Pond	Completed	2007	TBD	TBD	Special Project BMAP Area. Projects are located in South Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	5	\$1,390,574	Not provided	DEP	\$687,715	OT050696
Martin County	DEP	MC-26*	Poinciana Gardens Water Quality Retrofit Phases I and II	Not provided.	Wet Detention Pond	Completed	2003	TBD	TBD	Special Project BMAP Area. Projects are located in South Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	188	\$2,960,547	Not provided	DEP	\$2,235,091	WAP025
Martin County	N/A	MC-27*	Willoughby Creek Muck Dredging	Not provided.	Muck Removal/ Restoration Dredging	Completed	2012	TBD	TBD	Special Project BMAP Area. Projects are located in South Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	N/A	\$13,200,000	Not provided	Not provided	Not provided	N/A
Martin County	N/A	MC-28*	Manatee Pocket Dredging	Not provided.	Muck Removal/ Restoration Dredging	Completed	2012	TBD	TBD	Special Project BMAP Area. Projects are located in South Coastal Subbasin outside current BMAP boundary but will be	N/A	\$1,000,000	Not provided	Not provided	Not provided	N/A

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										considered for credit in next BMAP iteration.						
Martin County	DEP/SFWMD	MC-29	Rio Water Quality Retrofit	Not provided.	BMP Treatment Train	Completed	2014	162	36	Primary BMAP Area	45	\$696,800	Not provided	DEP/SFWMD	DEP – \$240,000 SFWMD – \$310,000	SO642
Martin County	N/A	MC-30	Old Palm City Beemats	Not provided.	Floating Islands/ MAPS	Completed	2013	TBD	TBD	Primary BMAP Area	N/A	\$21,996	Not provided	Not provided	Not provided	N/A
Martin County	FDACS	MC-31	Bessey Creek HWTT	Not provided.	HWTT	Completed	2015	6,081	1,473	Primary BMAP Area	2,675	\$3,000,000	Not provided	FDACS	\$3,000,000	N/A
Martin County	FDACS	MC-32	Danforth Creek HWTT	Not provided.	HWTT	Completed	2016	5,274	1,281	Primary BMAP Area	2,419	\$3,000,000	Not provided	FDACS	\$3,000,000	N/A
Martin County	N/A	MC-33	Hoke Library Rain Garden	Not provided.	Low-Impact Development (LID) – Rain Gardens	Completed	2015	Not provided	Not provided	Primary BMAP Area	Not provided	\$4,372	Not provided	Not provided	Not provided	N/A
Martin County	N/A	MC-34	Halpatiokee Park Rain Garden	Not provided.	LID – Rain Gardens	Completed	2015	Not provided	Not provided	Primary BMAP Area	Not provided	\$1,500	Not provided	Not provided	Not provided	N/A
Martin County	DEP	MC-35	Manatee Pocket SW Prong Baffle Box	Not provided.	Baffle Boxes – 2nd Generation	Completed	2016	TBD	TBD	Primary BMAP Area	207	\$232,505	Not provided	DEP	\$100,000	S0759
Martin County	DEP	MC-36	Martin County Golf Course Water Quality	Not provided.	Wet Detention Pond	Completed	2016	TBD	TBD	Primary BMAP Area	207	\$156,255	Not provided	DEP	\$50,000	S0765
Martin County	DEP	MC-37	All American Ditch	Not provided.	Wet Detention Pond	Completed	2016	TBD	TBD	Primary BMAP Area	268	\$5,165,376	Not provided	DEP	\$3,000,000	S0758 G0414
Martin County	SFWMD	MC-38	Hilltop St. Exfiltration Trench	Not provided.	BMP Treatment Train	Completed	2016	TBD	TBD	Primary BMAP Area	15	\$264,774	Not provided	SFWMD	\$100,000	N/A
Martin County	N/A	MC-39	Willoughby Creek STA	Not provided.	BMP Treatment Train	Underway	2019	TBD	TBD	Primary BMAP Area	TBD	Not provided	Not provided	Not provided	Not provided	N/A
Martin County	N/A	MC-40	Savannah Rd. Exfiltration Trench	Not provided.	BMP Treatment Train	Underway	2020	TBD	TBD	Primary BMAP Area	TBD	Not provided	Not provided	Not provided	Not provided	N/A
Martin County	N/A	MC-41	Old Palm City Phase IV	Not provided.	BMP Treatment Train	Planned	2021	TBD	TBD	Primary BMAP Area	TBD	TBD	TBD	N/A	N/A	N/A
Martin County	N/A	MC-42	South Savannas Weir	Not provided.	Control Structure	Planned	2020	TBD	TBD	Primary BMAP Area	TBD	TBD	TBD	TBD	TBD	N/A
North St. Lucie River Water Control District (NSLRWCD)	St. Lucie River Issues Team (SLRIT)	NSLRWCD-01	SLRIT Grant 2000–01: Vegetation Control and Bank Restoration	Installation of C-25 diversion structure, which regulates flow from NSLRWCD C-44/ North Emergency Relief Canal to SFWMD C-25. In addition, installation of 3 risers with adjustable gates. These 4 control structures, at different locations, provide better water quality and more efficient management of water levels.	Control Structure	Completed	2003	983	0	Primary BMAP Area	4,173	\$929,000	Not provided	NSLRWCD/SLRIT 50/50 contribution match	Not provided	N/A
NSLRWCD	SLRIT	NSLRWCD-02	SLRIT Grant 2007–08: WCS Retrofits	Installation of adjustable gates on WCS to improve efficiency of water levels and better manage sediment transport downstream.	Control Structure	Completed	2010	1,372	0	Primary BMAP Area	4,701	\$77,000	Not provided	NSLRWCD/SLRIT 50/50 contribution match	Not provided	N/A
NSLRWCD	St. Lucie County/ FDOT	NSLRWCD-03	Canals 23 and 28 Retrofit for	Construction of ponds and installation of WCS for area	Control Structure	Completed	2009	11	0	Primary BMAP Area	44	Not provided	Not provided	Primarily funded by FDOT; St.	Not provided	N/A

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			Stormwater Treatment and Attenuation	retrofit. Inclusion of WMD canals into pond footprints.										Lucie County, NSLRWCD		
NSLRWCD	N/A	NSLRWCD-04	Canal Maintenance Program	Maintenance program on over 200 mi of canal.	Aquatic Vegetation Harvesting	Completed	2013	Not provided	Not provided	Primary BMAP Area	66,225	\$4,200,000	Not provided	NSLRWCD	Not provided	N/A
NSLRWCD	N/A	NSLRWCD-05	Changes in Agricultural Land Uses	Not provided.	Land Use Change	Completed	2013	45,621	14,445	Primary BMAP Area	1,055	N/A	N/A	N/A	N/A	N/A
NSLRWCD	N/A	NSLRWCD-06	90 % Implementation Agricultural BMPs	Not provided.	Agricultural BMPs	Completed	2013	19,972	4,308	Primary BMAP Area	N/A	N/A	N/A	N/A	N/A	N/A
NSLRWCD	N/A	NSLRWCD-07	Change from Agricultural to Urban	Not provided.	Land Use Change	Completed	2013	839	208	Primary BMAP Area	N/A	N/A	N/A	N/A	N/A	N/A
NSLRWCD	N/A	NSLRWCD-08	Ideal Grove	Not provided.	HWTT	Completed	2013	330	127	Primary BMAP Area	238	\$217,929	Not provided	Not provided	Not provided	N/A
NSLRWCD	Not provided	NSLRWCD-09	Structure 81-1-2	Installation of new control structure as part of Okeechobee Rd. improvements project.	Control Structure	Completed	2010	124	24	Primary BMAP Area	2,582	Not provided	Not provided	Not provided	Not provided	N/A
NSLRWCD	Not provided	NSLRWCD-10	Structure 82-2-2	Installation of new control structure as part of Okeechobee Rd. improvements project.	Control Structure	Completed	2010	23	5	Primary BMAP Area	674	Not provided	Not provided	Not provided	Not provided	N/A
NSLRWCD	Not provided	NSLRWCD-11	Structure 83-2-2	Installation of new control structure as part of Okeechobee Rd. improvements project.	Control Structure	Completed	2010	27	5	Primary BMAP Area	484	Not provided	Not provided	Not provided	Not provided	N/A
NSLRWCD	Not provided	NSLRWCD-12	Structure 85-1-2	Installation of new control structure as part of Okeechobee Rd. improvements project.	Control Structure	Completed	2010	64	12	Primary BMAP Area	961	Not provided	Not provided	Not provided	Not provided	N/A
Pal Mar Water Control District (WCD)	Not provided	PM-01	90 % Implementation Agricultural BMPs	Not provided.	Agricultural BMPs	Completed	2013	926	92	Primary BMAP Area	N/A	N/A	N/A	N/A	N/A	N/A
City of Port St. Lucie	DEP/ SFWMD/ St. Lucie County / American Greenways/ Tax-Increment Financing (TIF)	PSL-01	Woodstork Trail Design Districts 7, 8, and 9	4.6 ac of new filter marsh, 7.21 ac of new uplands, and installation of baffle box.	BMP Treatment Train	Completed	2007	4	4	Primary BMAP Area	229	\$3,300,000	\$386,000 (annual budget to maintain drainage rights-of-way) \$736,000 (annual budget for aquatic spraying)	DEP/ SFWMD/ St. Lucie County / American Greenways/ TIF	Not provided	G0140
City of Port St. Lucie	DEP/ City Center Special Assessments	PSL-02	Wood Stork Trail Design District 6	7.74-ac wet detention area, .62-ac STA, and 3 baffle boxes.	BMP Treatment Train	Completed	2008	3	2	Primary BMAP Area	81	\$825,500	See PSL-01 and PSL-14	DEP/ City Center Special Assessments	Not provided	G0178
City of Port St. Lucie	DEP/ SFWMD	PSL-03	Howard Creek STA	Construction of weir, 45-ac STA, littoral shelves, and new plantings.	BMP Treatment Train	Completed	2010	523	212	Primary BMAP Area	436	Included in PSL-4	See PSL-01 and PSL-05	DEP/ SFWMD	Not provided	S0507
City of Port St. Lucie	N/A	PSL-04	Eastern Watershed Improvement Project	Flood-control, water quality, environmental restoration project consisting of 27 ac of wet detention ponds, littoral shelves, and created wetlands.	BMP Treatment Train	Completed	2011	618	361	Primary BMAP Area	850	\$36,000,000	See PSL-01 (aquatic spraying) and PSL-05	City	Not provided	N/A
City of Port St. Lucie	NRCS/ SFWMD	PSL-05	B-1 and B-2 WCS	WCS B-1, B-2, and B-3 protected North Fork of St. Lucie River (NFSLR) from	Control Structure	Completed	2007	2,527	994	Primary BMAP Area	1,748	\$1,800,000	\$621,000 (annual right-of-way,	City/ NRCS/ SFWMD	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				receiving uncontrolled E-8 Canal discharges. System will stage appropriate discharge levels based on volume, retaining flows to maximum.									bridge, and WCS maintenance)			
City of Port St. Lucie	NRCS/SFWMD	PSL-06	B-3 WCS	Not provided.	Control Structure	Completed	2007	2,372	932	Primary BMAP Area	1,641	Included in PSL-5	See PSL-05	City/NRCS/SFWMD	Not provided	N/A
City of Port St. Lucie	DEP	PSL-07	E-8 Waterway Phase 1 Water Quality Retrofit	Control structure improvements, weirs, sediment removal, and construction of 2 STAs totaling 24.36 ac. Improvements will enhance stormwater drainage and flood protection capacity, improve water quality and restore native vegetation and habitat.	BMP Treatment Train	Completed	2010	764	664	Primary BMAP Area	1,610	\$400,000	See PSL-01 and PSL-05	DEP	Not provided	S0239
City of Port St. Lucie	SFWMD	PSL-08	E-17 Canal WCS	New WCS added to retain maximum canal retention of water.	Control Structure	Completed	2008	181	0	Primary BMAP Area	984	\$437,000	See PSL-05	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-09	Water and Wastewater Expansion	Phase out septic tanks.	Septic Tank Phase Out	Completed	2013	34,198	N/A	Primary BMAP Area	N/A	\$91,075,666	\$3,700,000 Renewal and Replacement Fund (438)	City	N/A	N/A
City of Port St. Lucie	N/A	PSL-10	Street Sweeping	Not provided.	Street Sweeping	Completed	Prior to 2013	676	434	Primary BMAP Area	N/A	Not provided	\$448,000 (Annual Street Division budget)	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-11	Swale Maintenance	Not provided.	BMP Cleanout	Completed	Prior to 2013	7,649	3,097	Primary BMAP Area	N/A	Not provided	\$780,000	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-12	Catch Basin Cleaning	Not provided.	Catch Basin Inserts/ Inlet Filter Cleanout	Completed	Prior to 2013	21	13	Primary BMAP Area	N/A	Not provided	See PSL-10	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-13	Education Program	FYN; fertilizer, landscape, irrigation, and pet waste ordinances; PSAs; stormwater educational shows; website; outreach programs; Stencil Program; and stormwater pollution hotline.	Education Efforts	Completed	Prior to 2013	9,389	2,101	Primary BMAP Area	N/A	Not provided	Not provided	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-14	Tiffany Channel	Landscape irrigation is drawn from stormwater in channel.	Stormwater Reuse	Completed	Prior to 2013	33	8	Primary BMAP Area	N/A	Included in PSL-003 and PSL-004 costs	\$1,900,000 (Annual Drainage Division budget)	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-15	Patio STA	Landscape irrigation is drawn from stormwater in channel.	Stormwater Reuse	Completed	Prior to 2013	11	3	Primary BMAP Area	N/A	Included in PSL-003 and PSL-004 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-16	Mary STA	Landscape irrigation is drawn from stormwater in channel.	Stormwater Reuse	Completed	Prior to 2013	8	2	Primary BMAP Area	N/A	Included in PSL-003 and PSL-004 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-17	Leithgow STA	Landscape irrigation is drawn from stormwater in channel.	Stormwater Reuse	Completed	Prior to 2013	7	2	Primary BMAP Area	N/A	Included in PSL-003	See PSL-14	City	Not provided	N/A

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												and PSL-004 cost				
City of Port St. Lucie	N/A	PSL-18	Cane Slough 1/ Elks STA	Landscape irrigation is drawn from stormwater in channel.	Stormwater Reuse	Completed	Prior to 2013	33	7	Primary BMAP Area	N/A	Included in PSL-003 and PSL-004 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-19	Cane Slough 2/ Azzi STA	Landscape irrigation is drawn from stormwater in channel.	Stormwater Reuse	Completed	Prior to 2013	24	6	Primary BMAP Area	N/A	Included in PSL-003 and PSL-004 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-20	Loutus STA	Landscape irrigation is drawn from stormwater in channel.	Stormwater Reuse	Completed	Prior to 2013	23	5	Primary BMAP Area	N/A	Included in PSL-003 and PSL-004 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-21	Howard Creek STA	Landscape irrigation is drawn from stormwater in channel.	Stormwater Reuse	Completed	Prior to 2013	34	7	Primary BMAP Area	N/A	Included in PSL-003 and PSL-004 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-22	Bur St. STA	Landscape irrigation is drawn from stormwater in channel.	Stormwater Reuse	Completed	Prior to 2013	1	0	Primary BMAP Area	N/A	Included in PSL-003 and PSL-004 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-23	St. Lucie West Services District (SLWSD) Aquatic Harvesting	Not provided.	Aquatic Vegetation Harvesting	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Port St. Lucie	SLWSD	PSL-24	SLWSD Catch Basin Cleaning	Not provided.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	Prior to 2013	84	52	Primary BMAP Area	N/A	\$185,600	\$10,450	SLWSD	Not provided	N/A
City of Port St. Lucie	N/A	PSL-25	Atlantis Basin	Installation of 2nd-generation baffle box.	Baffle Boxes – 2nd Generation	Completed	2015	91	17	Primary BMAP Area	116	\$628,000	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-26	Evergreen Basin	Installation of 2nd-generation baffle box.	Baffle Boxes – 2nd Generation	Completed	2015	190	35	Primary BMAP Area	241	Included in PSL-25 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-27	Lansdown Basin	Installation of 2nd-generation baffle box.	Baffle Boxes – 2nd Generation	Completed	2015	90	16	Primary BMAP Area	189	Included in PSL-25 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-28	Streamlet/Manth Basin	Installation of 2nd-generation baffle box.	Baffle Boxes – 2nd Generation	Completed	2015	33	6	Primary BMAP Area	89	Included in PSL-25 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	N/A	PSL-29	Walters Basin	Installation of 2nd-generation baffle box.	Baffle Boxes – 2nd Generation	Completed	2015	140	25	Primary BMAP Area	32	Included in PSL-25 cost	See PSL-14	City	Not provided	N/A
City of Port St. Lucie	DEP/SLWSD	PSL-30	SLWSD Water Management Improvement Project	Increase storage of existing wetland.	Wet Detention Pond	Completed	2016	454	326	Primary BMAP Area	140	\$360,704	\$8,200	DEP/SLWSD	DEP – \$159,658 SLWSD – \$201,046	S0812
City of Port St. Lucie	DEP/SFWMD	PSL-31	McCarty Ranch Extension Phases 1 – VI	Water Farming Project – Pumps water from SFWMD C-23 Canal onto property for storage and retains rainfall on multiple phases of project.	DWM	Underway	2023	TBD	TBD	Primary BMAP Area	TBD	\$3,663,383	\$147,640; Covered in final build-out cost (\$180,640)	City/ DEP/ SFWMD	Not provided	NF028
City of Port St. Lucie	N/A	PSL-32	Veterans Memorial Water Quality Retrofit	Installing control structures, digging ponds, and increasing storage.	BMP Treatment Train	Underway	2022	2,961	1,005	Primary BMAP Area	1,065	3,834,193	See PSL-01 and PSL-05	City/SFWMD	SFWMD – \$125,000	N/A
City of Port St. Lucie	SLWSD	PSL-33	Lake Harvey	Construction of 4.41-ac wetland area and 2.25-ac flow-way to enhance water quality, storage,	Hydrologic Restoration	Completed	2017	TBD	TBD	Primary BMAP Area	333	\$534,000	\$15,500	SLWSD	Not provided	N/A

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				and hydraulic connectivity in SLWSD Basin 4E.												
City of Stuart	DEP/ SFWMD/ Healthy Rivers/ FCT	S-01	Poppleton Creek – Phase II and III	Muck sediment removal, creation of 6.5-ac retention pond and 160-ft weir to stage up groundwater in basin. Habitat reconstruction (removal of exotics and replanting of native vegetation); passive recreational improvements (nature trails, educational signage, public access/trailhead) north of Central Parkway. Additional BMPs include 4 CDS baffle box units and street sweeping in basin.	BMP Treatment Train, Education Efforts, Muck Removal/ Restoration Dredging, and Exotic Vegetation Removal	Completed	2008	1,299	576	Primary BMAP Area	629	\$4,371,250	Not provided	DEP/ SFWMD/ Healthy Rivers/ FCT	Not provided	S0278, G0083
City of Stuart	SFWMD/ FEMA/ Martin County	S-02	Airport Ditch Project	Conversion of 2 uncontrolled drainage ditches to tide into retention/detention facilities controlled by "v" notch weirs.	Online Retention BMPs	Completed	2003	900	532	Primary BMAP Area	894	\$766,756	Not provided	SFWMD/ FEMA/ Martin County	Not provided	N/A
City of Stuart	SFWMD	S-03	Crescent Basin Project	Stormwater retention through 3 1st-generation baffle boxes.	Online Retention BMPs	Completed	2003	198	42	Primary BMAP Area	59	\$180,000	Not provided	City/ SFWMD	Not provided	N/A
City of Stuart	DEP/ SFWMD	S-04	Krueger Creek Project	Removal of "ooze" sediments and installation of 4 baffle boxes plus 2 CDS units in 2010.	Baffle Boxes – 1st-Generation (hydrodynamic separator)	Completed	2001	7	7	Primary BMAP Area	310	\$432,000	Not provided	City/ SFWMD/ DEP	Not provided	WAP015, G0083
City of Stuart	N/A	S-05	Street Sweeping	Pavement cleaning by sweeping, vacuum, or washing.	Street Sweeping	Completed	2013	111	71	Primary BMAP Area	N/A	\$33,000	Not provided	City	Not provided	N/A
City of Stuart	N/A	S-06	Sediment Removal from Storm Systems	Removal and proper disposal of sediment captured by catch basin inserts.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2013	97	59	Primary BMAP Area	N/A	N/A	\$75,000	City	Not provided	N/A
City of Stuart	N/A	S-07	Education Program	FYN Program. City ordinances for landscaping, irrigation, fertilizer, and pet waste management. Doggie Pot stations provided in all city parks. City stormwater website. Stormwater calendars mailed to residents and businesses every odd calendar year. Neighborhood Cleanup Program. Pollution prevention information posted on electronic billboards 365 days/yr from 12 PM to 1 PM.	Education Efforts	Completed	2013	840	186	Primary BMAP Area	N/A	Total Cost – \$30,150 (FYN agreement – \$16,550; Calendars – \$8,400; Dog stations – \$5,200)	Not provided	City	Not provided	N/A
City of Stuart	SFWMD/ Healthy Rivers	S-08	North Point CRA Drainage Basin	There is 1 existing 1st-generation baffle box and street sweeping in basin. There is existing FDOT swale along east boundary of basin and 2 FDOT retention/ detention ponds near Roosevelt Bridge.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	24	23	Primary BMAP Area	1,084	\$1,339,000	Not provided	City/ SFWMD/ Healthy Rivers	Not provided	N/A
City of Stuart	DEP/ Florida Inland Navigation	S-09	Anchorage Drainage Basin	There is 1 existing 1st-generation baffle box and 3 FDOT dry detention ponds in basin. Ponds receive runoff from	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	1	0	Primary BMAP Area	21	\$766,500	Not provided	City/ DEP/ FIND/ Healthy Rivers	Not provided	Not provided

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	District (FIND)/ Healthy Rivers			roadways and portion of Roosevelt Bridge. Streets swept in basin.												
City of Stuart	DEP	S-10	Downtown Drainage Basin	Drainage basin contains of 4 1st-generation baffle boxes and 4 CDS units installed between 2000 and 2012. 33 catch basin filter baskets installed in 2010–11. Street sweeping occurs 12 times monthly in basin.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	2	2	Primary BMAP Area	117	\$275,000	Not provided	City/DEP	Not provided	G0083
City of Stuart	DEP	S-11	Hildebrad Basin	1 CDS unit and 7 catch basin filter baskets installed in 2010–11; includes street sweeping in basin.	CDS Unit	Completed	2009	0	6	Primary BMAP Area	67	\$388,480	Not provided	City/ DEP	Not provided	G0083
City of Stuart	N/A	S-12	Landfill Basin	Landfill closed; ongoing groundwater monitoring; zero discharge. This is closed basin with no outfall.	100 % Onsite Retention	Completed	2013	167	26	Primary BMAP Area	71	\$29,144	Not provided	City	Not provided	N/A
City of Stuart	N/A	S-13	South Fork Drainage Basin	There are 2 1st-generation baffle boxes in northwest portion of basin and 1 unimproved ditch along south side of SE Ruhnkee St., which flows to wooded area on west side of basin boundary within city jurisdiction.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	16	16	Primary BMAP Area	663	Not provided	Not provided	City	Not provided	N/A
City of Stuart	DEP	S-14	Neighborhood Initiated Sewer Expansion Program	Sewer expansion program to phase out septic tanks by expanding sewer service into areas of city using low pressure sewer system piping along road rights-of-way and individual residential grinder pump station at each home.	Septic Tank Phase Out	Completed	2013	1,341	N/A	Primary BMAP Area	N/A	\$3,200,000	Not provided	City/ DEP	Not provided	S0793, S0821
City of Stuart	N/A	S-15	Eldorado Heights	Area of land within south-central area of Stuart city limits that does not discharge to surface waterbody or adjacent basin.	Closed Basin	Completed	2012	134	27	Primary BMAP Area	30	\$779,000	Not provided	City	Not provided	N/A
City of Stuart	Martin Memorial Health Systems/ SFWMD	S-16	Amerigo Ave. Drainage Improvements	Construction of dry retention areas to eliminate street flooding and provide water quality treatment and TMDL reductions.	Dry Detention Pond	Completed	2014	37	7	Primary BMAP Area	10	\$679,557	Not provided	City/ Martin Memorial Health Systems/ SFWMD	Not provided	SFWMD No. 4600002954
City of Stuart	Martin County/ Healthy Rivers/ FCT/ DEP	S-17	Haney Creek Project – Phase I – IV	Creation of flow-through marsh and multiple wetlands and control structures to address stormwater quality, environmental restoration and preservation, greenways, passive recreation, and environmental education.	Filter Marsh	Completed	2016	513	207	Primary BMAP Area	626	\$4,831,411	\$9,600	Martin County/ Healthy Rivers/ FCT/ DEP	Not provided	WAP-031
City of Stuart	N/A	S-18	Nondischarge Areas	Area within eastern city limits with no stormwater infrastructure and no outfalls discharging to adjacent basin.	Noncontributing Basin	Completed	2014	1,038	233	Primary BMAP Area	218	See S-12	N/A	City	Not provided	N/A

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City of Stuart	DEP	S-19	Baffle Boxes (22) Throughout City	Concrete structures containing series of sediment settling chambers separated by baffles. Boxes are vacuum cleaned base on sediment depth inspection by city stormwater staff.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2014	11	11	Primary BMAP Area	475	Included in Project S-10 cost	Not provided	City/DEP	Not provided	G0083
City of Stuart	DEP	S-20	CDS Units Throughout City	Hydrodynamic separators that capture, sediment, trap debris, and separate floating oils from runoff. CDS units are vacuum cleaned based on sediment depth inspections by city stormwater staff.	CDS Unit	Completed	2014	0	6	Primary BMAP Area	66	Included in Project S-11 cost	Not provided	City/DEP	Not provided	G0083
City of Stuart	N/A	S-21	SW South Carolina Dr. Drainage Project	Installation of stormwater conveyance system and 1st-generation baffle box in residential area to eliminate unrestricted sheet flow to St. Lucie River.	Stormwater System Rehabilitation	Completed	2016	TBD	TBD	Primary BMAP Area	3	\$100,936	Not provided	City	Not provided	N/A
City of Stuart	DEP	S-22	Poppleton Creek Tidal Wetlands Creation and Restoration Project	Construct tidal red mangrove wetlands on 4.3 ac of city-owned property south of and adjacent to Poppleton Creek east of Palm City Rd. Project will clear exotic vegetation and create tidal wetlands, then direct tidal flows through created red mangrove wetlands and into existing red mangrove wetlands. Goal is to provide functional treatment of impaired waters with every tidal exchange.	Wetland Restoration	Underway	2018	TBD	TBD	Primary BMAP Area	525	\$270,200	TBD	City/DEP	Not provided	G0363
City of Stuart	DEP	S-23	East Heart of Haney Creek Wetlands Restoration	Restore eastern third of Heart of Haney Creek to wetlands by creating system of berms and weirs within 6 ac of exotic cleared area. Currently open ditch directs stormwater to tide. Restored wetlands will replace ditch and thus provide stormwater treatment and nutrient removal before discharge to tidal St. Lucie River.	Wetland Restoration	Underway	2019	TBD	TBD	Primary BMAP Area	395	\$220,000	TBD	City/DEP	DEP – \$90,000 City – \$110,000	S0891
City of Stuart	DEP, SLRIT, Healthy Rivers	S-24	Frazier Creek Pond	Construction of wet detention pond to eliminate unrestricted flow from ditch to tide.	Wet Detention Pond	Completed	2002	TBD	TBD	Primary BMAP Area	379	\$1,702,000	Not provided	City/ DEP/ SLRIT/ Healthy Rivers	Not provided	WAP016
St. Lucie County Municipal Separate Storm Sewer System (MS4)	N/A	SLC-01	Platt's Creek Stormwater Treatment Facility	Wet detention with alum injection.	Wet Detention Pond	Completed	2008	676	306	Primary BMAP Area	311	\$3,539,475	Not provided	County	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
St. Lucie County Non-MS4	N/A	SLC-01	Platt's Creek Stormwater Treatment Facility	Not provided.	Wet Detention Pond	Completed	2008	907	365	Primary BMAP Area	564	Included in SLC-01 MS4 table	Not provided	Not provided	Not provided	N/A
St. Lucie County MS4	N/A	SLC-02	Indian River Estates Stormwater Improvements (Phase I and II)	Wet detention with alum injection.	Wet Detention Pond	Completed	2009	1,841	707	Primary BMAP Area	1,004	\$4,471,114	Not provided	County	Not provided	N/A
St. Lucie County MS4	N/A	SLC-03	Prima Vista	Not provided.	Baffle Boxes – 2nd Generation	Completed	2006	76	14	Primary BMAP Area	97	\$323,483	Not provided	Not provided	Not provided	N/A
St. Lucie County MS4	N/A	SLC-04	Bay St.	Not provided.	Baffle Boxes – 2nd Generation	Completed	2006	35	6	Primary BMAP Area	44	Included in SLC-3	Not provided	Not provided	Not provided	N/A
St. Lucie County MS4	N/A	SLC-05	Education Program	FYN; pet waste, landscape, irrigation, and fertilizer ordinances; PSAs; website; Illicit Discharge Program, Eco-Center, Clean Stormwater– Clean River Program	Education Efforts	Completed	2013	1,087	248	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Lucie County MS4	N/A	SLC-06	Street Sweeping	Not provided.	Street Sweeping	Completed	2013	211	135	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Lucie County MS4	N/A	SLC-07	Catch Basin Cleanout	Not provided.	Catch Basin Inserts/Inlet Filter Cleanout	Completed	2013	170	105	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Lucie County MS4	N/A	SLC-08	Platt's Creek Sump Cleanout	Not provided.	BMP Cleanout	Completed	2013	1,182	512	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Lucie County Non-MS4	DEP	SLC-09	White City – Citrus/Seager Stormwater Improvement	Wet detention with polyacrylamide logs.	Wet Detention Pond	Completed	2016	71	26	Primary BMAP Area	39	\$1,862,859	Not provided	DEP/ County	Not provided	G0382
St. Lucie County Non-MS4	N/A	SLC-10	Education Program	FYN; pet waste, landscape, irrigation, and fertilizer ordinances; PSAs; website; Illicit Discharge Program, Eco-Center, Clean Stormwater– Clean River Program.	Education Efforts	Completed	2003	1,426	364	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Lucie County Non-MS4	N/A	SLC-11	Street Sweeping	Not provided.	Street Sweeping	Completed	2003	113	73	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Lucie County Non-MS4	N/A	SLC-12	Catch Basin Cleanout	Not provided.	BMP Cleanout	Completed	2003	92	56	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Lucie County Non-MS4	N/A	SLC-13	Platt's Creek Sump Cleanout	Not provided.	BMP Cleanout	Completed	2013	1,566	601	Primary BMAP Area	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Lucie County MS4	City of Port St. Lucie	SLC-14	Platt's Creek Compensatory Mitigation Project	Not provided.	Floodplain Restoration	Completed	2015	Not provided	Not provided	Primary BMAP Area	311	\$2,600,000	Not provided	Not provided	Not provided	N/A
St. Lucie County Non-MS4	N/A	SLC-15	IRL South C23/C24 CERP Buffer – Teague Preserve Rewatering Project	Not provided.	Hydrologic Restoration	Underway	Not provided	TBD	TBD	Primary BMAP Area	TBD	\$400,000	TBD	Not provided	Not provided	N/A
St. Lucie County Non-MS4	N/A	SLC-16	Melville Rd. Master Drainage Plan	Not provided.	Stormwater System Rehabilitation	Underway	2025	TBD	TBD	Primary BMAP Area	175	\$5,000,000	TBD	County	Not provided	N/A

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St. Lucie County Non-MS4	N/A	SLC-17	Sunland Gardens Neighborhood Improvement Project	Not provided.	Dry Detention Pond	Planned	2030	TBD	TBD	Primary BMAP Area	423	\$25,000,000	TBD	Not provided	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-01	Ridgeland Court Retrofit	Installation of exfiltration/baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	0	0	Primary BMAP Area	6	Not provided	\$300,000 annual stormwater maintenance budget	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-02	Palm Court/ Knowles	Installation of baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	0	0	Primary BMAP Area	13	Not provided	See SP-01	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-03	Captain Cove	Installation of baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	0	0	Primary BMAP Area	5	Not provided	See SP-02	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-04	Quail Run Park	Installation of direct link to detention area prior to discharge to Indian River.	Dry Detention Pond	Completed	2000	0	0	Primary BMAP Area	0	Not provided	See SP-03	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	N/A	SP-05	Heritage Park	Installation of stormwater retrofit area in developed subdivision.	Stormwater System Rehabilitation	Completed	2000	7	2	Primary BMAP Area	5	Not provided	See SP-04	Town	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-06	Via Lucindia	Installation of exfiltration pipe.	Exfiltration Trench	Completed	2000	8	2	Primary BMAP Area	3	Not provided	See SP-05	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-07	Rio Vista Park	Installation of baffle boxes/erosion control for outfall to Indian River.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	1	1	Primary BMAP Area	24	Not provided	See SP-06	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	N/A	SP-08	India Lucie	Installation of retrofit of weir/retention area with 2 baffle boxes in old subdivision without retention to directly discharge to Indian River.	Stormwater System Rehabilitation	Completed	2003	44	18	Primary BMAP Area	31	Not provided	See SP-07	Martin County	Not provided	N/A
Town of Sewall's Point	FEMA	SP-09	India Lucie	Installation of retrofit of weir/retention area with 2 baffle boxes in old subdivision without retention to directly discharge to Indian River.	Stormwater System Rehabilitation	Completed	2006	0	0	Primary BMAP Area	6	Not provided	See SP-08	Town/ FEMA	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-10	Periwinkle	Installation of baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	0	0	Primary BMAP Area	16	Not provided	See SP-09	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	N/A	SP-11	Palm Rd.	Installation of grass swales.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2008	1	0	Primary BMAP Area	1	Not provided	See SP-10	Town	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-12	Riverview	Installation of baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	0	0	Primary BMAP Area	10	Not provided	See SP-11	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	N/A	SP-13	Pineapple Lane	Installation of outfall exfiltration.	Exfiltration Trench	Completed	2002	0	0	Primary BMAP Area	6	Not provided	See SP-12	Town	Not provided	N/A
Town of Sewall's Point	TOSP	SP-14	Copaire	Installation of baffle box.	Baffle Boxes –	Completed	2002	0	0	Primary BMAP Area	2	Not provided	See SP-13	Town/ SFWMD	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
					1st Generation (hydrodynamic separator)											
Town of Sewall's Point	TOSP	SP-15	Homewood Park/ South Sewall's Point Rd.	Installation of retention area with pervious Flexi-Pave and exfiltration pipe.	Online Retention BMPs	Completed	2009	46	10	Primary BMAP Area	14	Not provided	See SP-14	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	DEP/SFWM D	SP-16	Pedway/Greenway	Installation of exfiltration/pervious paver sidewalk.	BMP Treatment Train	Completed	2014	6	1	Primary BMAP Area	2	Not provided	See SP-15	Town/ DEP/ SFWMD	Not provided	G0333
Town of Sewall's Point	FDOT	SP-17	SR A1A	Installation of outfall exfiltration.	Exfiltration Trench	Completed	2012	52	10	Primary BMAP Area	12	Not provided	See SP-16	FDOT	Not provided	N/A
Town of Sewall's Point	N/A	SP-18	Education Program	Fertilizer ordinance.	Education Efforts	Completed	2013	9	2	Primary BMAP Area	N/A	N/A	See SP-17	Town	N/A	N/A
Town of Sewall's Point	N/A	SP-19	Street Sweeping	19 cubic yds of debris collected through street sweeping.	Street Sweeping	Completed	2013	25	16	Primary BMAP Area	N/A	Not provided	See SP-18	Town	N/A	N/A
Town of Sewall's Point	N/A	SP-20*	Delano Lane	Installation of exfiltration system.	Exfiltration Trench	Completed	2000	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	1	Not provided	See SP-19	Town	Not provided	N/A
Town of Sewall's Point	N/A	SP-21*	Town Commons Park	Installation of water quality treatment/ dry detention.	Dry Detention Pond	Completed	2002	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal SubBasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	1	Not provided	See SP-20	Town	Not provided	N/A
Town of Sewall's Point	N/A	SP-22*	Island Rd.	Installation of exfiltration pipe with baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	5	Not provided	See SP-21	Town	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-23*	Highpoint West	Installation of baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	8	Not provided	See SP-22	Town/ SFWMD	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Town of Sewall's Point	SFWMD	SP-24*	Mandalay (Marguerita)	Installation of baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	15	Not provided	See SP-23	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-25*	Highpoint East	Installation of baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	16	Not provided	See SP-24	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	SFWMD	SP-26*	High Point Exfiltration	Installation of exfiltration/swales.	BMP Treatment Train	Completed	2014	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	6	Not provided	See SP-25	Town/ SFWMD	Not provided	N/A
Town of Sewall's Point	N/A	SP-27*	Extend Pedway/ Greenway	Extension of existing pervious pedway by 9,000 LF to include pervious pavers and exfiltration.	BMP Treatment Train	Completed	2016	16	109	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	28	\$201,483	See SP-26	Town	Not provided	N/A
Town of Sewall's Point	DEP/ SFWMD	SP-28*	Mandalay (Marguerita)	Installation of exfiltration system/ baffle boxes and STA.	Dry Detention Pond	Underway	Not provided	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be considered for credit in next BMAP iteration.	15	\$1,200,000	See SP-27	Town/ DEP/ SFWMD	Town – \$600,000 DEP – \$600,000	NS029
Town of Sewall's Point	N/A	SP-29*	Baffle Boxes	Installation of baffle boxes in various locations.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Underway	Not provided	TBD	TBD	Special Project BMAP Area. Projects are located in Mid-Coastal Subbasin outside current BMAP boundary but will be	18	Not provided	See SP-28	Town	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
										considered for credit in next BMAP iteration.						
Town of Sewall's Point	N/A	SP-30	Indialucie	Installation of exfiltration system in wet retention area.	Exfiltration Trench	Completed	2014	62	8	Primary BMAP Area	31	Not provided	See SP-29	Town	Not provided	N/A
Town of Sewall's Point	N/A	SP-31	Quail Run Subdivision	Installation of exfiltration/swales.	BMP Treatment Train	Completed	2015	Not provided	Not provided	Primary BMAP Area	4	Not provided	See SP-30	Town	Not provided	N/A
Town of Sewall's Point	N/A	SP-32	Septic Tank Elimination – Phase I	Conversion of existing septic tanks to sanitary sewer.	Septic Tank Phase Out	Planned	TBD	TBD	N/A	Primary BMAP Area	17	\$500,000	See SP-31	Town/ Florida Legislature	Not provided	N/A
Turnpike Authority	N/A	T-01	Project 420735-1 Port St. Lucie Interchange Pond A	Not provided.	Dry Detention Pond	Completed	2013	2	0	Primary BMAP Area	4	Not provided	N/A	Not provided	Not provided	N/A
Turnpike Authority	N/A	T-02	Project 420735-1 Port St. Lucie Interchange Pond B	Not provided.	Wet Detention Pond	Completed	2013	16	2	Primary BMAP Area	21	Not provided	N/A	Not provided	Not provided	N/A
Turnpike Authority	N/A	T-03	Thomas B. Manuel Bridge North Pond	Not provided.	Dry Detention Pond	Completed	2013	5	1	Primary BMAP Area	10	Not provided	N/A	Not provided	Not provided	N/A
Turnpike Authority	N/A	T-04	Education Program	No fertilizer on rights-of-way, educational signage, illicit discharge training.	Education Efforts	Completed	N/A	TBD	TBD	Primary BMAP Area	N/A	Not provided	N/A	Not provided	Not provided	N/A
Turnpike Authority	N/A	T-05	Street Sweeping	1,944 lane mi swept and 28,323 lbs (or 12,847 kg) of debris collected.	Street Sweeping	Completed	N/A	144	10	Primary BMAP Area	N/A	Not provided	N/A	Not provided	Not provided	N/A
Troup-Indiantown WCD	N/A	TI-01	C-44 Conservation Area	Not provided.	Land Preservation	Completed	2013	23,199	7,497	Primary BMAP Area	9,135	N/A	N/A	Not provided	Not provided	N/A
Troup-Indiantown WCD	N/A	TI-02	90 % Implementation Agricultural BMPs	Not provided.	Agricultural BMPs	Completed	2013	1,856	446	Primary BMAP Area	N/A	N/A	N/A	Not provided	Not provided	N/A
Troup-Indiantown WCD	N/A	TI-03	Removal of Drainage Areas	Minute Maid Rd. drainage improvements.	100 % Onsite Retention	Completed	2013	TBD	TBD	Primary BMAP Area	73	\$124,000	N/A	WCD	Not provided	N/A
Troup-Indiantown WCD	SFWMD/USACE	TI-04	C-44 Reservoir Area	Converting from conservation area to reservoir.	Land Use Change	Underway	2018	N/A	N/A	Primary BMAP Area	3,485	N/A	N/A	USACE	Not provided	N/A
Troup-Indiantown WCD	SFWMD/USACE	TI-05	C-44 STA Area	Converting from conservation area to STA.	Land Use Change	Underway	2018	N/A	N/A	Primary BMAP Area	6,100	N/A	N/A	SFMWD	Not provided	N/A

Appendix B: Outstanding Florida Springs (OFS) BMAPs

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Introduction

The Florida Springs and Aquifer Protection Act (Part VIII of Chapter 373, F.S.), provides for the protection and restoration of the state's OFS, which comprise 24 first magnitude springs, 6 additional named springs, and their associated spring runs. The act requires DEP to initiate an assessment by July 1, 2016, of any OFS or spring system for which a determination of impairment has not been made under the numeric nutrient criteria for spring vents.

In addition to the requirements of Section 403.067, F.S., the act provides specific requirements for OFS BMAPs, including an implementation plan designed with a target to achieve a TMDL no more than 20 years after adoption of the BMAP. These BMAPs provide for a phased implementation schedule (5-, 10-, and 15-year targets) designed to achieve incremental reductions within the first 15 years.

The act further specifies that a BMAP for an OFS must include the following provisions:

- The delineation of PFAs, to which statutory prohibitions on certain activities will apply.
- Identification of each point source or category of nonpoint sources and estimated pollutant loads within the springshed including, but not limited to: UTF, STF, agricultural fertilizer, OSTDS, which are also referred to as "septic systems" (the terms are used interchangeably throughout this document), WWTFs, animal wastes, and stormwater facilities.
- A list of all specific projects and programs identified to implement a nutrient TMDL.
 - A priority rank, planning-level cost estimate, estimated completion date, and estimated nutrient load reduction for each listed project.
 - The source and amount of financial assistance to be made available by DEP, a WMD, or other entity for each listed project.
- An OSTDS remediation plan if DEP identifies OSTDS as contributors of at least 20 % of the nonpoint source nitrogen pollution within a PFA, or if DEP determines remediation is necessary to achieve a TMDL.
 - A list of all specific projects identified in an OSTDS remediation plan.
- A description of BMPs adopted by rule.

The tables in **Appendix B** list the implementation status of the BMAP projects as of December 31, 2017. The tables list the impairment reduction (in lbs/yr) attributable to each individual project. The list of projects is meant to be flexible enough to allow for changes that may occur

over time. During the annual review of BMAP implementation efforts, project-specific information may be revised and updated, resulting in changes to the estimated reductions for those projects. The revisions may increase or decrease estimated reductions, and DEP will work with stakeholders to address revisions as they are identified. The combination of the specific projects listed in **Appendix B** and the policies identified in the BMAPs is estimated to achieve the load reductions needed to meet the TMDL in 20 years. For BMAPs in **Appendix B**, DEP works in collaboration with Northwest Florida Water Management District (NFWFMD), St. Johns River Water Management District (SJRWMD), Suwannee River Water Management District (SRWMD), and Southwest Florida Water Management District (SWFWMD).

The project status column is standardized into the following four categories:

- **Canceled:** Project or activity that was planned but will no longer take place. This includes the cessation of ongoing activities.
- **Completed:** Project, activity or task that is finished. This includes fully implemented activities (i.e., ongoing activities) that must continue indefinitely to retain assigned credits (such as street sweeping, BMP clean out, catch basin clean out, public education, fertilizer cessation/reduction and vegetation harvesting).
- **Planned:** Project or activity that is conceptual or proposed.
- **Underway:** Project or activity that has commenced or initiated but is not completed and is not yet reducing nutrient loads from the treated area.

Prior to reporting project information, DEP contacts each lead entity to gather new information on projects and confirm previously reported information. The terms used throughout the project tables are defined as follows:

- **Not provided:** Information was requested by DEP but was not provided by the lead entity.
- **TBD:** To be determined. Information is not currently available but will be provided by the stakeholder when it is available.
- **N/A:** Not applicable. Information for that category is not relevant to that project.
- **0:** Zero. The numeric value for that category is zero.

These project tables are based on current information, and as further information becomes available project details may be updated. It is noted that while FDOT submits project information, there is no specific cost breakdown for water quality improvement projects, which are embedded into and implemented as part of larger transportation projects adopted in its Five-Year Work Program, pursuant to section 339.135, Florida Statutes.

The management strategies in **Appendix B** are ranked with a priority of high, medium, or low. In 2016, the Florida Legislature amended the FWRA (Section 403.067, F.S.), creating additional requirements for all new or revised BMAPs. BMAPs must now include planning-level details for each listed project, along with their proposed priority ranking for implementation and funding needs.

Project status was selected as the most appropriate indicator of a project's priority ranking based primarily on need for funding. Projects with a "completed" status were assigned a low priority. Projects classified as "underway" were assigned a medium priority because some resources have been allocated to these projects, but additional assistance may be needed for the project to be completed. High priority was assigned to projects listed with the project status "planned" as well as certain "completed" projects that are ongoing each year (any project with one of these project types: "street sweeping," "catch basin inserts/inlet filter clean out," "public education efforts," "fertilizer cessation," "fertilizer reduction," or "aquatic vegetation harvesting"), and select projects that are elevated because substantial, subsequent project(s) are reliant on their completion.

Jackson Blue Spring and Merritts Mill Pond BMAP

Background

The Jackson Blue Basin encompasses 141 square miles in Jackson County, Florida (**Figure B-1**). Jackson Blue Spring, an OFS, forms the headwaters of the 270-acre Merritts Mill Pond, which forms the headwaters of Spring Creek, a tributary to the Chipola River, an Outstanding Florida Water (OFW).

DEP determined that the Jackson Blue Spring segment, WBID 180Z, and Merritts Mill Pond, WBID 180A, were impaired by nitrate as nitrogen. In January 2013, DEP adopted a TMDL for nitrate to protect the aquatic flora and fauna in the spring and pond. To achieve the monthly average nitrate target of 0.35 mg/L in the Jackson Blue Basin, the nitrate loads from nonpoint sources need to be reduced by 90 %. The Jackson Blue BMAP was adopted in May 2016 to implement the nitrate TMDL in the watershed.

Status of Projects

Through December 31, 2017, 2 projects have been completed. An additional 9 projects that are underway or planned have been added to the BMAP. The projects completed to date are estimated to achieve total reductions of 5,520 pounds of lb-N/yr. The projects that are underway are estimated to achieve total reductions of 3,294 lb-N/yr. These projects are primarily agricultural BMP and septic-to-sewer projects.

As an OFS BMAP, additional information will be provided when the BMAP reaches its 5-, 10-, and 15-year milestones. If the milestones or the 20-year target will not be met, an explanation of possible causes and potential solutions will be provided. These milestones will be specified in a revised BMAP document that is scheduled to be adopted by July 1, 2018, to meet the additional statutory requirements added by the 2016 Florida Legislature.

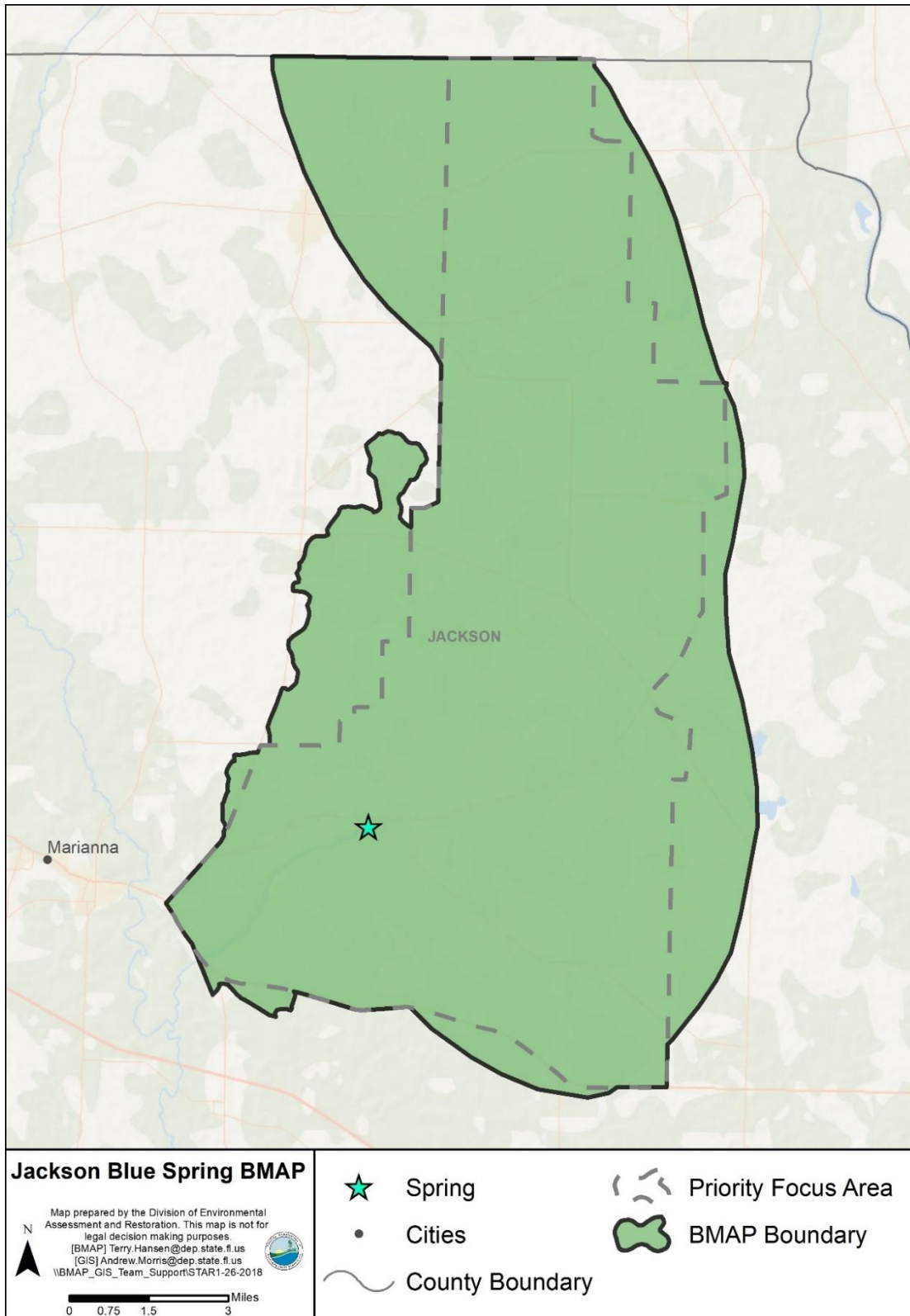


Figure B-1. Jackson Blue Spring and Merritts Mill Pond BMAP area

Table B-1. Jackson Blue BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lb-N/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Jackson County	DEP/ Northwest Florida Water Management District (NFWFMD)	JC-01	Indian Springs Sewer Extension Phase 1	Convert 125 residential septic systems to central sewer.	Wastewater Service Area Expansion	Underway	2018	1,671	N/A	Jackson County	Not provided	\$1,450,000	N/A	DEP	\$1,450,000	S0866
Jackson County	DEP/ NFWFMD	JC-02	Indian Springs Sewer Extension Phase 2A	Phase 2A includes Magnolia Blossom, Oak Dr., and part of Seminole Dr. segments (convert 89 residential systems to sewer).	Wastewater Service Area Expansion	Planned	TBD	695	N/A	Jackson County	Not provided	\$2,000,000	N/A	DEP	\$2,000,000	S0866
Jackson County	DEP/ NFWFMD	JC-03	Blue Spring Rd. Sewer Extension	Provide central sewer service to Blue Springs Recreational Area and 74 homes in Blue Springs area. Project also includes removing public park septic system at Jackson Blue Spring and providing sewer service to homes adjacent to Merritt's Mill Pond.	Wastewater Service Area Expansion	Underway	2020	838	N/A	Jackson County	Not provided	\$3,566,749	N/A	DEP	\$3,566,749	LP01105
Jackson County	N/A	JC-04	Jackson Blue Spring Recreation Area Improvements	Stormwater improvements.	BMP Treatment Train	Underway	Not provided	Not provided	Not provided	Jackson County	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Jackson County	DEP/ Local	JC-05	Jackson Blue Spring Recreation Area Stormwater Improvement Project	Design and construct stormwater management system to capture and treat stormwater at Jackson Blue Spring. Project	Stormwater System Upgrade	Underway	2021	TBD	N/A	Jackson County	TBD	\$751,200	Not provided	DEP/ Local Match	DEP – \$729,200 Local – \$22,000	LP0110C

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lb-N/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				will also stabilize and restore 250 to 300 LF of shoreline.												
Jackson County	N/A	JC-06	Education	Landscape ordinance; implementation of FYN Program.	Education Efforts	Completed	2017	120	N/A	Jackson County	N/A	N/A	N/A	N/A	N/A	N/A
NWFWMD	DEP/ Agricultural Producers	NWF-01	Agricultural BMPs and Equipment Cost-Share Program	Cost-share funding for agricultural BMPs and equipment to improve water use efficiency and reduce nutrient loading. Assisted 50 producers through 2017. 20 % reduction in TN reported. Cost estimate is cumulative since FY 2013-14.	Agricultural BMPs	Underway	TBD	TBD	TBD	Basinwide	N/A	\$6,698,595	\$0	DEP/ FDACS/ Jackson SWCD	DEP – \$4,239,500 Producers Match – \$1,959,095	S0676, S0809, S0809 A1, LP01106
NWFWMD	DEP	NWF-02	Blue Springs Plantation, Inc.	Fee-simple acquisition and protection of 394 ac adjacent to Jackson Blue Spring.	Land Acquisition	Canceled	N/A	N/A	N/A	Jackson County	N/A	N/A	N/A	N/A	N/A	N/A
NWFWMD	DEP	NWF-03	Lakeshore Farms II, LLC	Fee simple or less-than-fee acquisition and protection of 598 agricultural acres in Jackson Blue groundwater contributing area.	Land Acquisition	Canceled	N/A	N/A	N/A	Jackson County	N/A	N/A	N/A	N/A	N/A	N/A
NWFWMD	DEP	NWF-04	Pittman Property Land Acquisition	Less-than-fee acquisition and protection of 167 agricultural acres in Jackson Blue groundwater	Land Acquisition	Underway	2018	N/A	N/A	Jackson County	167	\$686,568	TBD	DEP	\$686,568	S0900

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lb-N/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				contributing area.												
NWFWMD	EPA/ Agricultural Producers	NWF-05	Sod-Based Crop Rotation Grant Program	Grants to producers to rotate sod in existing crop fields to improve water quality and reduce water use demands around Jackson Blue Spring.	Agricultural BMPs	Underway	2022	TBD	N/A	Jackson County	TBD	\$806,032	N/A	EPA/ DEP/ Producers/ NWFWMD	EPA/DEP – \$480,032 NWFWMD – \$256,000 Producers – \$70,000	NF021
NWFWMD	National Fish and Wildlife Foundation (NFWF)/ Stakeholders	NWF-06	Apalachicola River and Bay Surface Water Improvement and Management (SWIM) Plan	Implementation and periodic review and update of Apalachicola SWIM Plan.	Study	Completed	2017	N/A	N/A	Apalachicola Watershed	N/A	\$99,290	N/A	NFWF	\$99,290	N/A
NWFWMD	DEP	NWF-07	Claiborne Aquifer Water Supply	Testing of Claiborne aquifer in Jackson Blue Spring contributing area to determine viability as alternative water source to offset demand on Floridan aquifer.	Study	Underway	2018	N/A	N/A	Malone	N/A	\$440,000	\$0	DEP	\$440,000	S0809
NWFWMD	FDACS/ NRCS	NWF-08	Mobile Irrigation Laboratory	Annual contract to support water quantity evaluations and retrofits with producers across NWFWMD, but largely concentrated in Jackson County.	Agricultural BMPs	Underway	TBD	N/A	N/A	Jackson County	N/A	\$745,063	N/A	NWFWMD	\$745,063	N/A
NWFWMD	UF-IFAS	NWF-09	Sod-Based Crop Rotation Education	Annual contract to provide education and outreach in NWFWMD jurisdiction on sod-based crop rotation.	Agricultural BMPs	Underway	TBD	N/A	N/A	Jackson County	N/A	\$543,000	N/A	NWFWMD	\$543,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lb-N/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
NWFWMD	Agricultural Producers	NWF-10	BMPs	BMPs implmented as part of WMD FY 2013-14 funding cycle.	Agricultural BMPs	Completed	2014	5,400	N/A	Jackson County	Not provided	Not provided	Not provided	NWFWMD	Not provided	N/A
UF-IFAS	DEP/ NWFWMD	IFAS-01	Sod-Based Crop Rotation Pilot Project	Demonstration project for up to 4 sod farms to improve water quality and quantity over 4-yr period.	Agricultural BMPs	Underway	2018	TBD	TBD	Jackson County	TBD	\$806,032	N/A	DEP/ NWFWMD/ Agricultural Producers	DEP – \$480,032 NWFWMD – \$256,000 Agricultural Producers – \$70,000	Not provided
Town of Malone	DEP/ NWFWMD	TM-01	Malone High School Sanitary Sewer Connection Project	Connect Malone High School to Malone WWTP, abandoning 10 septic systems.	Wastewater Service Area Expansion	Underway	2020	90	N/A	Jackson County	N/A	\$432,077	N/A	DEP	\$432,077	LP0110D

Rainbow Springs BMAP

Background

The Rainbow Springs BMAP Basin covers an area of 679 square miles and includes portions of Marion and Levy Counties (**Figure B-2**). The BMAP area approximates the extent of the groundwater capture area determined by SWFWMD and includes the surface drainage for the Rainbow River. The eastern boundary of the BMAP area coincides with the western extent of the Silver Springs BMAP area and I-75.

DEP identified Rainbow Springs Group and the Rainbow Springs Group Run as impaired for nutrients because of an imbalance of flora and fauna evidenced by excessive algal growth and smothering of submerged aquatic vegetation (SAV). In 2013, DEP adopted the Rainbow Springs Group and Rainbow Springs Group Run TMDLs, which established a target concentration of 0.35 mg/L nitrate (NO₃ as N) and an 82 % reduction in nitrate concentration for each impaired waterbody. The Rainbow Springs BMAP was adopted in December 2015 to implement the TMDLs.

Status of Projects

Through December 31, 2017, 75 projects have been completed. An additional 10 projects that are underway or planned have been added to the BMAP. The projects completed to date are estimated to achieve total reductions of 40,720 lbs/yr of TN at the land surface.

Additional information will be provided when the OFS BMAP reaches its 5-, 10-, and 15-year milestones. If the milestones or the 20-year target will not be met, an explanation of possible causes and potential solutions will be provided. These milestones will be specified in a revised BMAP document. The revised Rainbow Springs BMAP is scheduled to be readopted by July 1, 2018, to meet the statutory requirements added by the 2016 Florida Legislature.

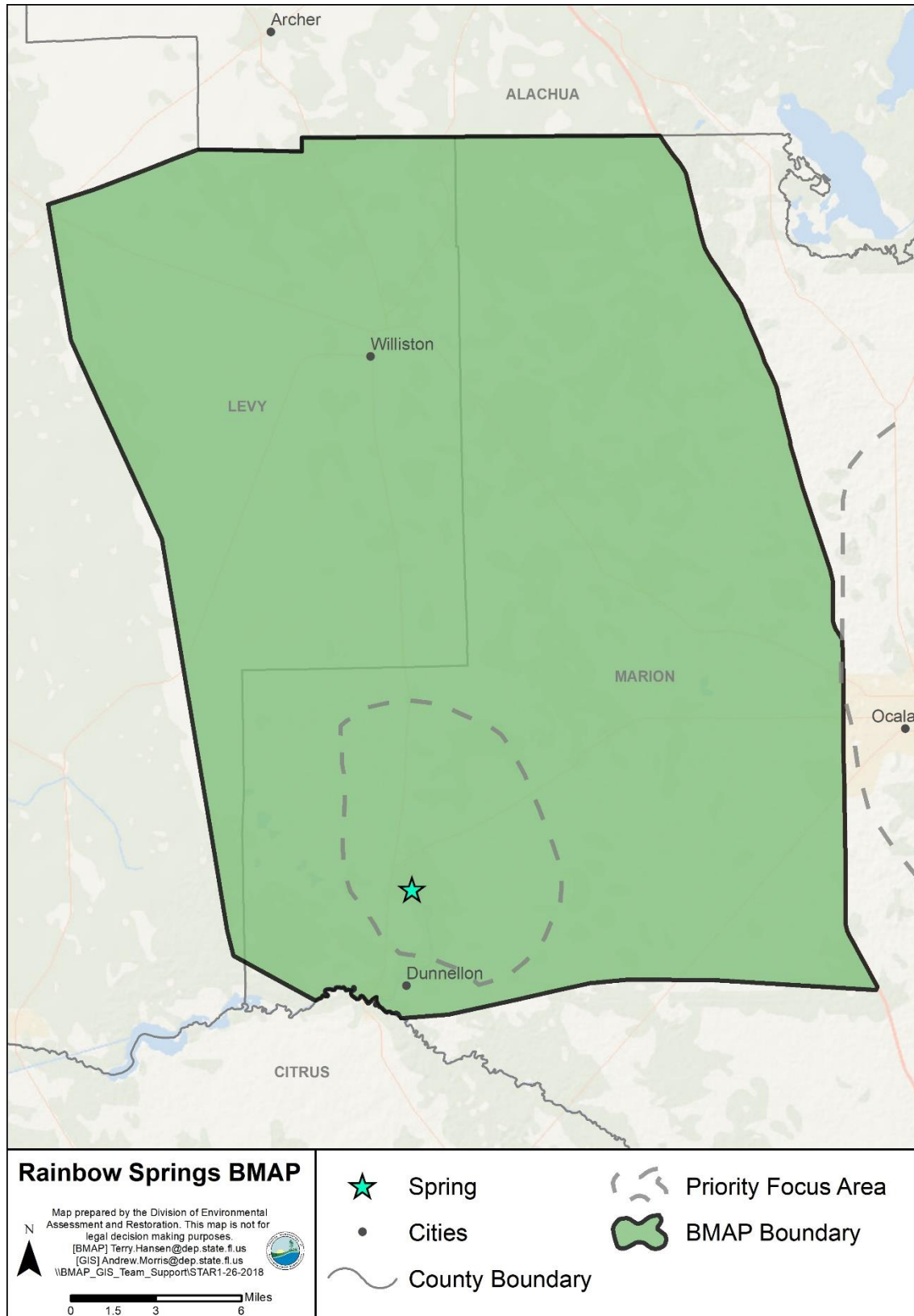


Figure B-2. Rainbow Springs BMAP area

Table B-2. Rainbow Springs BMAP Projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Growth Services	N/A	B001	Marion County Transfer of Development Rights (TDR)	TDR Program is designed to protect natural resources, especially those listed in Policy 1.1.2 of Conservation Element of Marion County Comprehensive Plan and locally important and prime farmlands in Marion County. These resources include, but are not limited to, preservation of high-water recharge and underground drainage basins, springs, karst areas, sinkholes, sinks, sinkhole ponds, and other karst features. Land from which development rights are transferred is subject to conservation easement. Article 3 of Land Development Code (LDC) defines TDR Program and eligible sending and receiving areas.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A
Marion County Growth Services	N/A	B002	Marion County Transfer of Vested Rights (TVR)	TVR Program is designed to minimize dense development of vested properties without central water and sewer systems, and/or other supporting infrastructure, and thus protect natural resources, encourage and enhance development of larger parcels, reduce county's inventory of vested properties, and permit county to better plan for future growth. Land from which vested rights are transferred is subject to conservation easement. Article 3 of LDC defines TVR Program and eligible sending and receiving areas.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Growth Services	N/A	B003	Marion County Hamlet Design Option	Comprehensive Plan Future Land Use Element Policy 2.1.13 establishes Hamlet Development Option, designed to provide for clustered low-density development patterns in rural designated lands, while requiring permanent open spaces reserved from development and some increased additional urban services (e.g., central water, central sewer, designed/constructed stormwater systems) that comply with Marion County's design and development standards, including Springs Protection. Article 3 of LDC generally defines Hamlet design provisions.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A
Marion County Growth Services	N/A	B004	Marion County Rural Community Land Use Designation	Comprehensive Plan Future Land Use Element Policy 2.1.18 establishes Rural Community future land use designation to provide for clustered urban density development patterns in rural designated lands, while requiring permanent open spaces reserved from development and complete urban services (e.g., central water, central sewer, and designed/constructed stormwater systems) that comply with Marion County's design and development standards, including Springs Protection. Article 3 of LDC generally defines Rural Community design provisions.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A
Marion County Growth Services	N/A	B005	Marion County Community Redevelopment Area Program	Comprehensive Plan Future Land Use Element Objective 2.2 establishes specific limited density and specialized design standards for wetland and floodplain areas slated for development. Articles 5 and 6 of LDC set forth specific design	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				and development criteria related to applicable areas.												
Marion County Growth Services	N/A	B006	Marion County Springs Protection Zones	Comprehensive Plan Future Land Use Element Objective 7.2 establishes Springs Protection Overlay Zones (SPOZ) and identifies extent of Primary and Secondary Zones along with other design and development standards. Articles 5 and 6 of LDC set forth specific design and development criteria related to applicable SPOZ.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A
Marion County Office of the County Engineer	N/A	B007	Marion County Irrigation Ordinance	Ordinance sets enforceable irrigation schedule and rates of irrigation for Marion County; also identifies efficient irrigation systems that are exempt from schedule.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	Marion County	Not provided	N/A
Marion County Office of the County Engineer	N/A	B008	Marion County Fertilizer Ordinance	County's Florida-Friendly Landscaping™ (FFL) fertilizer use on urban landscapes ordinance regulates proper use of fertilizers by any applicator; requires proper training of commercial and institutional fertilizer applicators; establishes training and licensing requirements; and specifies allowable fertilizer application rates and methods, fertilizer-free zones, low-maintenance zones, and exemptions. It requires use of BMPs that provide specific management guidelines to minimize negative secondary and cumulative environmental effects associated with misuse of fertilizers. 2008 ordinance is now included in latest LDC.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	Marion County	Not provided	N/A
Florida Forest Service	N/A	B009	Silviculture BMP Implementation and Compliance	Covers silviculture lands in Rainbow and Silver Springs BMAP areas. BMPs for silviculture are applicable to public and private industrial and nonindustrial forestlands. Silviculture BMPs are minimum standards for protecting and maintaining water quality during ongoing silviculture activities,	Agriculture BMPs	Completed	N/A	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				including forest fertilization. Projects include biennial BMP surveys, targeted training, and technical assistance for landowners and forestry professionals.												
Marion County Office of the County Engineer	N/A	B010	Clean Farms Initiative	Clean Farms Initiative was designed to assist Marion County farm owners and managers with implementation of BMPs, and to recognize them for their cooperative efforts. As part of initiative, more than 7,500 surveys and brochures were mailed in October 2006 to owners of agricultural land, ranging from large operations of several hundred acres to small tracts of land with fewer than a dozen animals. Survey measures current manure management and fertilization practices. Results of survey, and input from groups held in February and March 2007, were used to create Farm Outreach Coordinator position to educate horse farm owners and managers on water quality, targeting practices such as manure management and fertilization.	Agriculture BMPs	Completed	N/A	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
UF-IFAS Extension Marion County	SWFWMD/UF-IFAS	B011	Water Quality Education and Equine Farm BMPs	Equine BMPs and Manure Management Education and Outreach Program sponsored by UF-IFAS Extension and Marion County. Between 2010 and 2013, program developed 44 types of educational materials; made 3,507 client consultations, 464 of which were in field; and 301 producers participated in group education events including manure management summit and tour. Program website received 446 views during this period. Program is ongoing.	Agriculture BMPs	Completed	N/A	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	UF-IFAS	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
DEP	TBD	B012	Implementation of Outreach Program for Small Equine BMP Manual	Small Equine BMP manual is intended to educate owners of noncommercial horse farms on BMPs to reduce nutrient loads. Outreach program will be developed for effective implementation of BMPs on noncommercial horse farms in Silver and Rainbow Springs BMAP areas. Implementation program will consist of identification of key agencies with existing public education activities where BMP manual can be incorporated, development or modification of existing recognition programs to provide measureable goals for both participants and also types of BMPs implemented, and identification of existing cost-share programs that may assist noncommercial operations in BMP implementation.	Agriculture BMPs	Completed	N/A	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDOT District 5	N/A	B022	State Road (SR) 40 Design Project – Pond 3	238719-1, SR 40 from CR 328 to SW 80th Ave. (CR 225A) – Pond 3/dry retention; closed basin in poorly drained soils.	Retention BMP	Underway	2020	12	2	WBID 1320A – Outside PFA	9.0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	B023	SR 40 Design Project – Pond 4	238719-1, SR 40 from CR 328 to SW 80th Ave. (CR 225A) – Pond 4/dry retention; closed basin in poorly drained soils.	Retention BMP	Underway	2020	16	2	WBID 1320A – Outside PFA	12.5	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	B024	SR 40 Design Project – Pond 5	238719-1, SR 40 from CR 328 to SW 80th Ave. (CR 225A) – Pond 5/dry retention; closed basin in poorly drained soils.	Retention BMP	Underway	2020	14	2	WBID 1320A – Outside PFA	10.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	B025	SR 40 Design Project – Pond 6	238719-1, SR 40 from CR 328 to SW 80th Ave (CR 225A) – Pond 6/dry retention; closed basin in poorly drained soils.	Retention BMP	Underway	2020	12	2	WBID 1320A – Outside PFA	9.3	Not provided	Not provided	Florida Legislature	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	B028	SW 85th St./ SW 40th Ave. Stormwater Retrofit	Construction of drainage retention area lined with Bold and Gold™ soil amendment to enhance nitrogen removal. Post-construction event monitoring has shown 70 % reduction in TN through soil amendment layer.	Retention BMP with Nutrient-Reducing Media	Completed	2012	98	N/A	WBID 1320A – Outside PFA	32.0	\$330,000	Not provided	Marion County Stormwater Assessment, SWFWMD Cooperative Funding	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Office of the County Engineer	SWFWMD	B029	West Hwy. 316 at 119th Ave. Stormwater Retrofit- CP #41	Proposed project to construct wet retention area to reduce nitrate in stormwater runoff from transportation and residential land uses that is currently infiltrating to aquifer without treatment. Project is identified in adopted 2014 Stormwater Implementation Plan.	Retention BMP	Completed	2016	29	0	WBID 1320A – Outside PFA	55.6	\$52,654	Not provided	Marion County Stormwater Assessment, SWFWMD Cooperative Funding	Not provided	N/A
Marion County Office of the County Engineer	N/A	B030	West Hwy. 316 at Hwy. 329 Stormwater Retrofit	Proposed project to construct retention area to reduce nitrate in stormwater runoff from transportation and residential land uses that is currently infiltrating to aquifer without treatment. Project is identified in adopted 2014 Stormwater Implementation Plan.	Retention BMP	Canceled	N/A	N/A	N/A	WBID 1320A – Outside PFA	N/A	N/A	N/A	N/A	N/A	N/A
Marion County Office of the County Engineer	N/A	B032	Sinkhole Repair Program in County DRAs	Part of ongoing stormwater system maintenance activities. Performed as needed by county crews or contractors depending on size and scope of repair.	Stormwater System O&M	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	N/A	\$50,000	Marion County: Annual Stormwater Budget for Internal Repairs – \$50,000; Typical Annual Expenditure for Contracted Repairs from Stormwater Budget – \$10,000 to \$100,000	Not provided	N/A
Marion County Office of the County Engineer	N/A	B033	Street Sweeping of Marion County Roads	Sweeping of Marion County–maintained roads. Sweeping of roads with curb and gutter is completed 9 times per year. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	194	124	WBID 1320A – including PFA	N/A	N/A	\$46,000	Marion County Stormwater Assessment	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	B034	Marion County Watershed Management Plan (WMP)	Countywide WMPs prepared that include creation and maintenance of comprehensive geodatabase for Marion County storm sewer system data, watershed boundaries, and hydrologic features.	Study	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	\$337,000	N/A	Marion County Stormwater Assessment/ SWFWMD	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Office of the County Engineer	N/A	B035	Marion County Aquifer Vulnerability Assessment	Identification of vulnerable areas of aquifer. Project provided scientifically defensible water resource management and protection tool that facilitates planning of human activities to help minimize adverse impacts on groundwater quality. Aquifer vulnerability maps are displayed in classes of relative vulnerability (one area is more vulnerable than another). Maps benefit local government, planners and developers in guiding growth into more appropriate areas (e.g., groundwater recharge areas) and improve site selection for expanding existing or establishing new well fields. Benefits: Identifies areas where aquifer is vulnerable to pollution. Potential for future management of activities in those areas to reduce groundwater pollution.	Study	Completed	2007	N/A	N/A	WBID 1320A – including PFA	N/A	\$82,850	N/A	Marion County Stormwater Assessment	\$82,850	N/A
Marion County Office of the County Engineer	Not provided	B036	Public Education Coordination	Formation of public education coordination team consisting of representatives from local government, state agencies, WMDs, and local interest groups. Purpose of groups would be to ensure consistent and accurate information on pollution prevention is provided to citizens and maximize efforts among coordination team members.	Education Efforts	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Local, State and Federal Agencies/ WMDs/ Local Interest Groups	Not provided	N/A
Marion County Office of the County Engineer	N/A	B037	Marion County Stormwater Program – NPDES MS4 Permit	Public outreach and education programs including distribution of informational pamphlet, PSAs, and public outreach events. Other efforts include illicit discharge inspection and education, mapping and modeling efforts, construction site pollution prevention program, and pollution	Education Efforts	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	\$3,500,000	Marion County Stormwater Assessment	Not provided	N/A

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				prevention program for municipal operations.												
FDOT Districts 2 and 5	N/A	B038	FDOT Public Education	FDOT conducts inspections and provides annual illicit discharge, spill prevention and erosion and sediment control training to staff and contractors.	Education Efforts	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
Rainbow River Conservation	N/A	B039	Springs Awareness for Educators	Workshop for Marion County teachers and educators to provide resources on springs, water issues, and wildlife that can be used in classroom to enhance teaching common core standards.	Education Efforts	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	SWFWMD/ Florida Springs Institute	Not provided	N/A
Private Interest	N/A	B040	Collection Center for Septic System Pumpage	Proposed project to construct centralized collection center for septic tank pumpage in lieu of current land application. Collection center would process pumpage and discharge into municipal collection system. Project is conceptual. SB 550 would ban land application of septic pumpage effective 2016.	Wastewater Service Area Expansion	Canceled	N/A	N/A	N/A	Rainbow River Basin and Silver Spring Basin	N/A	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	B041	FDACS Cost-Share Programs	FDACS will provide at least \$250,000 in BMP cost-share for Silver Springs/Rainbow Springs BMAP areas.	Agriculture BMPs	Underway	2020	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	FDACS Cost-Share	Not provided	N/A
FDACS	N/A	B042	FDACS Refinement of Appropriate BMPs	To help focus cost-share expenditures and BMP implementation follow-up, FDACS will review rule-adopted cow/calf and equine BMPs to identify practices likely to have greatest nutrient load reduction benefits.	Agriculture BMPs	Underway	2020	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A
UF-IFAS Extension Marion County	N/A	B043	Technical Agriculture Committee	Formation of technical agriculture committee consisting of representatives from local interest groups, local government, WMDs, and state agencies. Purpose of the group would be to ensure consistent and accurate information for pollutant load contribution associated with agricultural uses and evaluate BMP effectiveness.	Agriculture BMPs	Underway	2020	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A

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UF-IFAS Extension Marion County	N/A	B044	Assessment of Role of Beef Cattle in Nitrogen Loading in Silver and Rainbow Springs Basin	As part of BMAP, inventories have been developed to estimate relative nitrogen loading from different sources or categories of land use in basins. Concerns have been expressed that amount of nitrogen load allocated to cattle may not accurately reflect key characteristics of Florida cow-calf production system. Issues include typical cattle stocking rates on pasture, low inputs of commercial nitrogen fertilizer to pasture systems, diets that based on C4 (i.e., warm climate) grasses that have relatively low nitrogen concentration, nitrogen levels in dung and urine that are not comparable to those of dairy animals or beef cattle on feedlots, significant gaseous losses of nitrogen from animal waste, capability of grass roots to efficiently capture nitrogen as it passes through rooting zone, and amount of nitrogen stored in below-ground organs of pasture grasses. More accurate quantification of these characteristics for specific conditions of regional production systems will aid assessments of nitrogen loading from cattle operations.	Study	Underway	2019	N/A	N/A	WBID 1320A – including PFA	N/A	\$495,000	N/A	Florida Legislature	Not provided	N/A
FDACS	N/A	B045	Revised Vegetable and Agronomic Crop BMP Manual	In 2015, FDACS Office of Agricultural Water Policy (OAWP) adopted revised vegetable and agronomic crop manual that includes specific nutrient and irrigation management BMPs for plastic mulch, bare ground, sugar cane, hay/silage, and greenhouse production systems.	Agriculture BMPs	Completed	2015	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	N/A	B046	Dairy BMP Manual	In early 2016, FDACS adopted dairy manual targeting dairies without DEP-issued NPDES permits.	Agriculture BMPs	Completed	2016	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A

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FDACS	N/A	B047	Poultry BMP Manual	OAWP adopted poultry BMP manual in June 2016.	Agriculture BMPs	Completed	2016	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	N/A	B048	Enhanced Implementation Assurance (IA) Program	<p>Additional emphasis was given to IA in 2016 legislation, particularly Chapter 2016-1, Laws of Florida. Among its provisions, law requires enhancement and formalization of OAWP IA policies and procedures through rulemaking, which will be initiated prior to January 1, 2017. Once rulemaking is completed, FDACS will implement enhanced IA Program and more detailed reporting, as prescribed by legislation, onsite visits, and surveys will be provided annually. Enhanced IA Program, as component of FDACS BMP Program, will be designed to:</p> <ul style="list-style-type: none"> • Provide accurate and timely information on status of BMP enrollments. • Provide accurate and timely information on extent of BMP implementation. • Provide information from which reports on BMP enrollment and implementation can be made to BMAP stakeholders and to annual report required by Chapter 2016-1, Section 34, Laws of Florida. • Inform educational, research, and technical assistance efforts targeted to strengthen BMP implementation and effectiveness. • Guide review and potential revision of BMP manuals. 	Agriculture BMPs	Underway	2018	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocala	N/A	B049	Fox Meadow Sewer Expansion Project	Project objective is to design and construct sanitary sewer system that will remove from service 275 septic tanks from associated single-family residential lots. Septic tanks	Septic Tank Phase Out, Wastewater Service Area Expansion	Planned	2020	TBD	N/A	Rainbow Springs Basin and Silver Springs Basin	N/A	\$4,705,000	Not provided	City of Ocala	Not provided	Not provided

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				contribute to TN and TP impairment of Rainbow Springs and Rainbow River.												
City of Ocala	N/A	B050	Fairfield Village Sewer Expansion Project	Project objective is to design and construct sanitary sewer system to remove from service package plant serving 350 mixed-use residential lots and 1 community center. Package plant contributes to TN and TP impairment of Rainbow Springs and Rainbow River.	Package Plant Phase Out, Wastewater Service Area Expansion	Planned	2020	TBD	N/A	Rainbow Springs Basin and Silver Springs Basin	N/A	\$875,000	N/A	City	Not provided	Not provided
City of Ocala	N/A	B051	Timberwood Sewer Expansion Project	Project objective is to design and construct sanitary sewer system that will remove from service 180 septic tanks from associated single-family residential lots. Septic tanks contribute to TN and TP impairment of Rainbow Springs and Rainbow River.	Septic Tank Phase Out, Wastewater Service Area Expansion	Planned	2020	TBD	N/A	Rainbow Springs Basin and Silver Springs Basin	N/A	\$3,316,000	Not provided	City	Not provided	Not provided
City of Dunnellon	N/A	R001	River Protection Corridors	City of Dunnellon River Protection Corridor Areas for both Rainbow and Withlacoochee Rivers. Corridor extends 150 ft from ordinary high-water line and implements specific standards for new development and for construction on existing lots with vested development rights after 2008.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Rainbow Spring Basin	N/A	Not provided	Not provided	Marion County	Not provided	N/A
DEP – Division of State Lands	FCT	R002	Rainbow River Corridor	Rainbow River Corridor project will protect most undeveloped or minimally developed private land remaining along Rainbow River. Southern parcels would bring remaining large portion of undeveloped shoreline along eastern side of river into state ownership and provide connection to southern end of Rainbow Springs State Park. Public acquisition will prevent further development and conflicting land uses that could further degrade ecological value of this area. In addition, potential restoration of altered habitats will help restore and	Land Acquisition	Completed	N/A	N/A	N/A	Rainbow Spring Basin	1,175.0	\$1,157,483	Not provided	FCT	Not provided	N/A

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				maintain water quality and habitat along one of Florida's largest spring-run streams; 1,140 ac remain for acquisition, which will continue as funds and sales agreements allow; 32.44 ac were acquired for Blue Run of Dunnellon Park (R013) in 2008.												
City of Dunnellon	SWFWMD	R003	Blue Cove Emergency Overflow Project	Project to construct retention pond with control structure and pipe conveyance system to treat and convey flood overflows from Blue Cove to Rainbow River. Prior to construction, overflows sheet flowed through residential neighborhood to river.	Retention BMP	Completed	2011	Not provided	N/A	WBID 1320B – Outside PFA	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Dunnellon	N/A	R004	Datesman Park Overflow Parking Lot Improvement	Project retrofitted car and boat trailer overflow parking lot with pervious pavers and stormwater retention pond.	Retention BMP	Completed	2010	Not provided	N/A	WBID 1320B – Outside PFA	Not provided	Not provided	Not provided	City	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	R011	Village of Rainbow Springs Stormwater Retrofit	Retrofit of existing drainage retention area with aerobic filtration cells for conversion of TN to nitrate and infiltration cell lined with Bold and Gold™ for nitrate removal. Project also includes stormwater wetland to treat runoff discharged into Section 16 lake.	Wetland Treatment, Retention BMP with Media Filter	Completed	2015	29	N/A	WBID 1320A – Outside PFA	91.0	\$336,800	Not provided	County Stormwater Assessment, SWFWMD	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	R012	CR 484 Stormwater Retrofit, Phase 1	Construction of bioretention area and collection system to treat runoff from bridge spanning Rainbow River.	Retention BMP	Completed	2010	5	1	WBID 1320B – Outside PFA	0.5	\$62,081	Not provided	County Stormwater Assessment, SWFWMD	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	R013	CR 484 Stormwater Retrofit, Phase 2	Construction of wet detention pond to treat runoff discharged into Rainbow River from CR 484.	Wet Detention Pond	Completed	2012	48	11	WBID 1320B – Outside PFA	18.6	\$73,890	Not provided	County Stormwater Assessment, SWFWMD	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD, Marion County Parks, City of Dunnellon	R014	CR 484 Stormwater Retrofit, Phase 3	Upgrade limerock parking lot in Blue Run of Dunnellon Park with pervious brick paver parking area and paved aisles to address sediment discharge into Rainbow River. Three wet detention ponds were constructed to treat stormwater runoff from new parking lot and CR 484 east of Rainbow River.	Wet Detention Pond	Completed	2011	6	1	WBID 1320B – Outside PFA	2.7	\$223,700	Not provided	County Stormwater Assessment, County Parks, SWFWMD	Not provided	N/A

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Marion County Office of the County Engineer	SWFWMD	R015	Rainbow Springs Country Club Estates Stormwater Retrofit	Expansion and conversion of existing retention pond to wetland/wet retention pond to enhance nitrate removal from runoff generated from county road, golf course, and residential land uses.	Wetland Treatment	Completed	2012	10	N/A	WBID 1320A – In PFA	61.7	\$136,423	Not provided	County Stormwater Assessment, SWFWMD	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	R016	Rainbow Park Unit 8 Stormwater Retrofit	Construction of 3 wet detention ponds to treat runoff prior to discharge to relict karst feature and isolated surface wetlands.	Wet Detention Pond	Completed	2013	42	8	WBID 1320A – Outside PFA	79.0	\$443,399	Not provided	County Stormwater Assessment, SWFWMD	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	R017	Rolling Hills Unit 5 Stormwater Retrofit	Construction of interconnected system of 4 retention ponds and 1 wet retention pond to treat stormwater runoff from roads, residential, and agricultural land uses.	BMP Treatment Train	Completed	2013	69	33	WBID 1320A – Outside PFA	224.0	\$484,097	Not provided	County Stormwater Assessment, SWFWMD	Not provided	N/A
SWFWMD	N/A	R018	WR01 Rainbow River Phosphate Mine Pit Restoration	Implementation of restoration alternatives in Lower Rainbow River and adjacent phosphate mine pits.	Restoration	Canceled	N/A	N/A	N/A	WBID 1320B – In PFA	N/A	N/A	N/A	N/A	N/A	N/A
City of Dunnellon	Not provided	R019	Sewer Conversion Project, Phases 1-4	Project constructed new sewer system within city limits allowing properties previously on OSTDS (140 in Phase 2) to hook up to central sewer.	Septic Tank Phase Out, Wastewater Service Area Expansion	Completed	2012	3,347	N/A	WBID 1320A – Outside PFA	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
SWFWMD	Not provided	R020	P301 Feasibility Phase – Wastewater Disposal Treatment Wetlands	Siting and feasibility assessment for treatment wetlands to polish WWTP effluent.	Study	Completed	2015	Not provided	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
FDOT Districts 2 and 5	N/A	R021	Fertilizer Cessation	FDOT O&M fertilizer cessation.	Fertilizer Cessation	Completed	N/A	10,285	N/A	WBID 1320A – including PFA	N/A	N/A	N/A	N/A	N/A	N/A
City of Dunnellon	Marion County, SWFWMD	R022	Dunnellon WMP	Includes hydrologic and hydraulic model and water quality treatment recommendations for 9 stormwater discharge outfalls to Rainbow and Withlacoochee Rivers.	Study	Completed	2004	N/A	N/A	WBID 1320A/B – Outside PFA	N/A	\$50,000	N/A	City	\$50,000	N/A
SWFWMD	N/A	R023	WR01 Rainbow River Phosphate Mine Pit Feasibility Study	Feasibility study to assess restoration alternatives in lower Rainbow River and adjacent phosphate mine pits.	Study	Canceled	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	N/A	N/A	N/A	N/A	N/A
SWFWMD	Florida Irrigation Society	R024	Efficient Irrigation Workshops	Community presentations on efficient irrigation practices.	Education Efforts	Completed	2005	N/A	N/A	WBID 1320A –	N/A	\$2,500	N/A	SWFWMD	\$2,500	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
										including PFA						
SWFWMD	UF; Charlotte, Citrus, Hernando, Hillsborough, Manatee, Marion, Pasco, Pinellas, Polk, Sarasota, and Sumter Counties	R025	FFL Coordinator	FFL Program educates homeowners about how to design, install and maintain healthy landscapes that use minimal amounts of water, fertilizer, and pesticides. SWFWMD funds programs in 11 of its 16 counties in partnership with county governments and university.	Education Efforts	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	\$279,000	N/A	SWFWMD	\$279,000	N/A
SWFWMD	N/A	R026	Restoring Our Springs! Media Campaign	PSAs to promote SWFWMD "Restoring Our Springs!" media campaign. Advertising will be in Citrus, Hernando and Marion Counties and will direct people to "Join us in the community effort to restore our springs."	Education Efforts	Completed	2016	N/A	N/A	WBID 1320A – including PFA	N/A	\$35,698	N/A	SWFWMD	\$35,698	N/A
SWFWMD	N/A	R027	Newspaper in Education: Springs in West-Central Florida	In-depth look at springs in west-central Florida through Newspaper in Education produced by Tampa Bay Times. Distributed to middle school students in Citrus, Hernando, and Marion Counties as well as Tampa Bay Times and Citrus County Chronicle readers.	Education Efforts	Completed	2014	N/A	N/A	WBID 1320A – including PFA	N/A	\$16,600	N/A	SWFWMD	\$16,600	N/A
SWFWMD	N/A	R028	Crystal River/ King's Bay/ Rainbow River PSAs	Messaging on how residents can help protect quality of local springs through proper application of fertilizer. Social research was used to help develop messages.	Education Efforts	Completed	2011	N/A	N/A	WBID 1320A – including PFA	N/A	\$83,641	N/A	SWFWMD	\$83,641	N/A
SWFWMD	N/A	R029	Crystal River/ King's Bay/ Rainbow River Outreach Coordinator	Education effort to reduce water quality impacts from landscaping and other homeowner practices—such as overfertilization and leaking OSTDS—that increase nitrates in springs. Targeted homeowners, landscape professionals, retail outlets, OSTDS maintenance companies and others. Included education effort entitled, "You want your lawn green, not your water. Don't overfertilize."	Education Efforts	Completed	2011	N/A	N/A	WBID 1320A – including PFA	N/A	\$82,600	N/A	SWFWMD	\$82,600	N/A

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SWFWMD	N/A	R030	Marion County Springs Festival Sponsorship	Event to educate public on protection of Marion County springs and other water resources. Event alternates between Rainbow Springs State Park and Silver Springs State Park.	Education Efforts	Completed	2016	N/A	N/A	WBID 1320A – including PFA	N/A	\$25,598	N/A	SWFWMD	\$25,598	N/A
SWFWMD	N/A	R031	Marion County Master Gardeners Spring Festival Sponsorship	Festival supporting FFL outreach and education including focus on water conservation, watersheds, and water quality.	Education Efforts	Completed	2011	N/A	N/A	WBID 1320A – including PFA	N/A	\$30,750	N/A	SWFWMD	\$30,750	N/A
SWFWMD	Howard T. Odum Florida Springs Institute	R032	Springs Awareness Week – Springs Neighborhood Challenge	One-day workshop taught participants about water quality issues specific to Rainbow Springs and Crystal River/Kings Bay. Main focus was proper fertilizer application.	Education Efforts	Completed	2011	N/A	N/A	WBID 1320A – including PFA	N/A	\$3,000	N/A	SWFWMD	\$3,000	N/A
SWFWMD	Marion County UF-IFAS Extension Office	R033	Get Out and Explore Marion County Springs	Guided canoe trip, hiking trip, and water quality demonstration to educate residents about aquatic ecology, karst geology, native and invasive plants, water sampling and human impacts to springs.	Education Efforts	Completed	2012	N/A	N/A	WBID 1320A – including PFA	N/A	\$1,945	N/A	SWFWMD	\$1,945	N/A
SWFWMD	Marion County UF-IFAS Extension Office	R034	Marion County Earth Day	One-day event educated Marion County residents about springs and water quality protection.	Education Efforts	Completed	2011	N/A	N/A	WBID 1320A – including PFA	N/A	\$1,500	N/A	SWFWMD	\$1,500	N/A
SWFWMD	Marion County Board of County Commissioners (BOCC), Clean Water Dept.	R035	Rainbow River Vegetation Education	Funding helped develop DVDs, brochures, and posters describing value of aquatic vegetation to sustainability of aquatic community and recommending proper etiquette for river use.	Education Efforts	Completed	2011	N/A	N/A	WBID 1320A/B – including PFA	N/A	\$4,800	N/A	SWFWMD	\$4,800	N/A
SWFWMD	Rainbow River Conservation	R035	Microirrigation workshops	Through 3 educational workshops and distribution of microirrigation kits, project educated homeowners living in 55+ communities about FFL principles and benefits of using microirrigation.	Education Efforts	Completed	2011	N/A	N/A	WBID 1320A – including PFA	N/A	\$2,690	N/A	SWFWMD	\$2,690	N/A
SWFWMD	UF-IFAS	R037	Soil Analysis by UF	Up to 200 soil analysis tests were conducted as part of Crystal River/King's Bay/Rainbow River Watershed Education project.	Education Efforts	Completed	2010	N/A	N/A	WBID 1320A – including PFA	N/A	\$1,400	N/A	SWFWMD	\$1,400	N/A

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SWFWMD	Marion Soil and Water Conservation District	R038	BMPs Awareness Campaign	Project educated equine enthusiasts on importance of protecting water resources to ensure water quality by using proper manure management, fertilization techniques and water conservation practices.	Education Efforts	Completed	2010	N/A	N/A	WBID 1320A – including PFA	N/A	\$4,988	N/A	SWFWMD	\$4,988	N/A
SWFWMD	Marion County UF-IFAS Extension Office	R039	FFL Expo	Project encouraged Marion County homeowners to reduce water use by incorporating FFL principles.	Education Efforts	Completed	2010	N/A	N/A	WBID 1320A – including PFA	N/A	\$4,999	N/A	SWFWMD	\$4,999	N/A
SWFWMD	Marion County Parks and Recreation/ Rainbow River Conservation	R040	Blue Run Aquatic Planting	30 volunteers learned how aquatic plants help filter stormwater and participated in planting at Blue Run.	Education Efforts	Completed	2009	N/A	N/A	WBID 1320A/B – including PFA	N/A	\$2,000	N/A	SWFWMD	\$2,000	N/A
SWFWMD	Rainbow River Conservation, Boy Scouts of America	R041	Storm drain markers	Storm drain markers purchased to conduct storm drain marking events in Marion County.	Education Efforts	Completed	2009	N/A	N/A	WBID 1320A – including PFA	N/A	\$2,695	N/A	SWFWMD	\$2,695	N/A
SWFWMD	N/A	R042	Community Landscape/Irrigation Evaluation Specialist	Consultant evaluated 10 locations in 5 counties, including Marion, and made recommendations for water conservation in community landscapes and irrigation.	Education Efforts	Completed	2009	N/A	N/A	WBID 1320A – including PFA	N/A	\$6,000	N/A	SWFWMD	\$6,000	N/A
SWFWMD	N/A	R043	Rainbow River Springshed Tour	Educational program to inform local officials, homeowners, retail store managers, and lawn care providers on how fertilizer impacts local springshed.	Education Efforts	Completed	2009	N/A	N/A	WBID 1320A – including PFA	N/A	\$1,500	N/A	SWFWMD	\$1,500	N/A
SWFWMD	Paul Marraffino, Tracy Colson	R044	Aquatic Vegetation Video	10-minute video showing value of submerged and emergent aquatic vegetation in Rainbow Springs Aquatic Preserve and impact of recreational use on vegetation.	Education Efforts	Completed	2009	N/A	N/A	WBID 1320A/B – including PFA	N/A	\$4,289	N/A	SWFWMD	\$4,289	N/A
SWFWMD	Friends of the Dunnellon Library	R045	FFL Demonstration Garden at Dunnellon Library	FFL demonstration garden was installed to educate visitors to Dunnellon Library about benefits of FFL principles.	Education Efforts	Completed	2009	N/A	N/A	WBID 1320A – including PFA	N/A	\$4,550	N/A	SWFWMD	\$4,550	N/A
SWFWMD	Marion County Citizens Coalition, Inc.	R047	TDR Program for Watershed Protection	Through series of 5 workshops, landowners, developers, and citizens were educated about TDR Program and Farmland Preservation Area in northwest Marion County.	Education Efforts	Completed	2007	N/A	N/A	WBID 1320A – including PFA	N/A	\$3,000	N/A	SWFWMD	\$3,000	N/A

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SWFWMD	Marion County UF-IFAS Extension Office	R048	FYN Program – Color in the Landscape Spring Festival	FFL festival provided information workshops on practices.	Education Efforts	Completed	2006	N/A	N/A	WBID 1320A – including PFA	N/A	\$5,000	N/A	SWFWMD	\$5,000	N/A
SWFWMD	Marion County School District	R049	Splash! Grants to Teachers in Marion County	Various water resources grants; most projects were directly related to education about Rainbow Springs.	Education Efforts	Completed	2013	N/A	N/A	WBID 1320A – including PFA	N/A	\$35,240	N/A	SWFWMD	\$35,240	N/A
City of Dunnellon	N/A	R050	Rainbow River Acres Stormwater Retrofit	Proposed project in vicinity of Oak St. and Palmetto Way in Rainbow River Acres Subdivision. Project would construct stormwater pond to address flooding and to provide water quality for untreated stormwater runoff that currently sheetflows to Rainbow River.	Not provided	Planned	Not provided	Not provided	N/A	WBID 1320B – outside PFA	Not provided	Not provided	Not provided	City	Not provided	N/A
Marion County Office of the County Engineer	N/A	R051	Bold and Gold™ Stormwater Retrofits in Rainbow Springs BMAP Area	Project proposes \$1,400,000 through FY 2019 for retrofit of county-owned drainage retention areas (DRAs) in Rainbow Springs BMAP area. Number and location of DRAs retrofitted will depend on several factors, including potential load reductions, land availability, and location in PFAs identified in BMAP. Project is currently in preliminary scoping stages and is identified in adopted 2014 Stormwater Implementation Plan.	Retention BMP Retrofit with Nutrient Reducing Media	Underway	2019	Not provided	N/A	WBID 1320A – in PFA	Not provided	\$1,400,000	Not provided	County Stormwater Assessment	\$1,400,000	N/A
Marion County Utilities/City of Dunnellon	N/A	R052	Wastewater Level of Service Coordination – System Upgrade	Coordination between county and city utilities to improve level of wastewater treatment in Rainbow Springs area. Project would improve existing level of treatment provided by 4 city treatment facilities by constructing new facility that meets advanced wastewater treatment (AWT) standards.	WWTF Nutrient Reduction	Canceled	N/A	N/A	N/A	WBID 1320A – partially in PFA	N/A	N/A	N/A	N/A	N/A	N/A

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Marion County Utilities/City of Dunnellon	N/A	R053	Wastewater Level of Service Coordination – OSTDS Abatement	Coordination between county and city utilities to improve level of wastewater treatment in Rainbow Springs area. It is also anticipated that project would initially allow 266 OSTDS to hook up to central sewer, with potential for additional connections in future.	Septic Tank Phase Out, WWTF Nutrient Reduction	Canceled	N/A	N/A	N/A	WBID 1320A – in PFA	N/A	N/A	N/A	N/A	N/A	N/A
Marion County Utilities/ City of Dunnellon	SWFWMD	R054	Wastewater Level of Service Coordination – Package Plant Abatement	Coordination between county and city utilities to improve level of wastewater treatment in Rainbow Springs area. It is also anticipated that project would initially allow 5 package plants to hook up to central sewer, with potential for additional connections in future.	Package Plant Phase Out, WWTF Nutrient Reduction	Planned	Not provided	229	N/A	WBID 1320A – in PFA	N/A	Not provided	Not provided	SWFWMD/ City of Dunnellon	Not provided	Not provided
SWFWMD	N/A	R055	P301 Design and Permitting Phase – Wastewater Disposal Treatment Wetlands	Design and permitting of treatment wetland(s) to polish WWTP effluent.	WWTF Upgrade	Canceled	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	N/A	N/A	N/A	N/A	N/A
SWFWMD	N/A	R056	P301 Implementation Phase – Wastewater Disposal Treatment Wetlands	Construction of treatment wetland(s) to polish WWTP effluent.	WWTF Upgrade	Canceled	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	N/A	N/A	N/A	N/A	N/A
City of Dunnellon	N/A	R057	Rio Vista WWTP Decommissioning	Planned project will decommission Rio Vista WWTP and convert existing lift station to pump wastewater to Rainbow Springs plant.	WWTF Phase Out	Completed	2015	56	N/A	WBID 1320A/B – In PFA	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Dunnellon	N/A	R058	Rio Vista Collection System Maintenance	Companion project to Rio Vista WWTP decommissioning. Collection system is subject to high infiltration into system after storm events, resulting in overflows from plant holding pond.	Sanitary Sewer and WWTF Maintenance	Completed	2015	Not provided	N/A	WBID 1320A/B – In PFA	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Dunnellon	N/A	R059	Supervisory Control and Data Acquisition (SCADA) Installation	Planned phased project for installation of SCADA at city WWTPs followed by installation at lift stations.	WWTF Upgrade	Planned	Not provided	N/A	N/A	WBID 1320A – Including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	R062	Sa-Te-Ke Village Stormwater Retrofit	Construction of retention storage along Rainbow River to treat direct discharge to river	Retention BMP	Completed	2011	2	3	WBID 1320B – In PFA	6.4	\$73,512	Not provided	County Stormwater Assessment	\$73,512	N/A

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				from culvert discharging along SW 183rd Ct. and SW 102nd St.												
Marion County Office of the County Engineer	SWFWMD	R063	Rainbow Springs 5th Replat Stormwater Retrofit- CP #67	Project will retrofit 3 drainage retention areas in Rainbow Springs 5th replat with nitrogen-reducing Bold and Gold™ media. Retrofit will prevent 250 lbs of TN from reaching aquifer annually.	Retention BMP Retrofit with Nutrient-Reducing Media	Underway	TBD	250	N/A	WBID 1320A- In PFA	81.4	\$931,510	Not provided	County Stormwater Assessment/ SWFWMD	Not provided	N/A
FDOT District 5	City of Dunnellon	R064	Blue Cove Lake Water Quality Structure	Load reduction estimated using efficiency for baffle box. However, box includes Bold and Gold™ filter media, which may reduce pollutant load more than estimated.	Baffle Boxes – 2nd Generation with Media	Completed	2013	1	1	WBID 1320B – Outside PFA	32.5	Not provided	Not provided	Florida Legislature	Not provided	N/A
Town of Bronson	SRWMD	R065	Levy Blue Spring Water Quality Improvement Project	Project will expand town's existing wastewater collection and transmission system and eliminate use of 60 OSTDS and holding tanks at no cost to homeowners.	Septic Tank Phase Out, Wastewater Service Area Expansion	Planned	Not provided	1,434	N/A	WBID 1320A – Outside PFA	N/A	Not provided	Not provided	Florida Legislature/ SRWMD	Not provided	N/A
DEP – Division of State Lands	N/A	R066	South Goethe	Addition provides corridor from Goethe State Forest to Marjorie Harris Carr Cross-Florida Greenway State Recreation and Conservation Area along Withlacoochee River, and also links to Etoniah Cross-Florida Greenway Florida Forever project. One of primary concepts of project is to protect Withlacoochee River Watershed by connecting Goethe State Forest with greenway. Another goal is to provide significant buffer along southern boundary of forest while eventually enhancing forest and associated habitat through restoration.	Land Acquisition	Underway	TBD	N/A	N/A	Rainbow Springs Basin	11,652.0	\$11,574,303	Not provided	FCT	\$11,574,303	TBD
DEP – Division of State Lands	N/A	R067	Bear Hammock	Acquiring Bear Hammock project in southern Marion County would meet state goals of enhanced coordination of land acquisition efforts by making conservation link that fills gap among several other properties. One goal of state conservation is to preserve areas of at least 50,000 ac, and Bear	Land Acquisition	Underway	TBD	N/A	N/A	Rainbow Springs Basin	4,685.0	\$32,576,529	Not provided	FCT	\$32,576,529	TBD

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				Hammock provides connector between Goethe State Forest and Marjorie Harris Carr Cross-Florida Greenway, creating continuity of more than 200,000 ac.												
DEP – Division of State Lands	Office of Greenways and Trails	R068	Carr Farm/Price's Scrub	Carr Farm/Price's Scrub in southwestern Alachua County and northwestern Marion County includes scrub, upland mixed forest, scrubby flatwoods, wet flatwoods, depression marsh, marsh lake, and sinkhole lake. It is one of northernmost examples of community in peninsular Florida; 962 ac, located in Marion County, have been acquired to date.	Land Acquisition	Underway	TBD	N/A	N/A	Rainbow Springs Basin	1,267.0	\$2,061,144	Not provided	FCT/ Office of Greenways and Trails	\$2,061,144	TBD
SWFWMD	SWFWMD	R070	2013–17 Springs Management Plan	WMD Springs Management Plan summarizes vision, issues, and solutions that district will address over next 5 yrs to manage and protect springs. Through strategic investments and partnerships, district is implementing projects to conserve and restore ecological balance of spring systems, thus supporting regional economies and quality of life. Plan lays out general restoration strategy, overview of goals and issues, and list of proposed projects.	Study	Underway	2014	N/A	N/A	WBID 1320A – Including PFA	N/A	Not provided	N/A	SWFWMD	Not provided	N/A
DEP/ Florida Dept. of Health (FDOH)	Local Utilities/ SJRWMD/ SWFWMD/ Other Interested Parties	R071	OSTDS 9-1-1 Strategy	Develop strategy for addressing OSTDS and other wastewater management issues. Goal is to enhance communication and coordination among utilities and agencies.	Study	Planned	Not provided	N/A	N/A	WBID 1320A – Including PFA	N/A	Not provided	N/A	Not provided	Not provided	N/A
Bay Laurel Center CDD	N/A	R072	Operational Improvements	Operational staff using oxidation-reduction potential probes and cyclic aeration to provide denitrification.	WWTF Nutrient Reduction	Completed	N/A	16,672	N/A	WBID 1320A – Outside PFA	N/A	\$1,500	Not provided	Bay Laurel Center CDD	\$1,500	N/A
Bay Laurel Center CDD	SWFWMD	R073	Public Access Reuse	Design and construction of reclaimed water system, including pumping, storage, and distribution main that provides reclaimed water for irrigation at On Top of the World and Candler Hills golf courses.	Reuse Project	Completed	2010	6,025	N/A	WBID 1320A – Outside PFA	N/A	\$2,198,000	N/A	Bay Laurel Center CDD	\$2,198,000	N/A

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SWFWMD	Marion County School District	R074	Dunnellon High School Legacy Program	Program taught students basic land management techniques. Students also educated community, including promotion of springshed protection. In 2007, educational signage about watershed protection was placed in kiosks at drop-in and take-out tubing sites at Rainbow River State Park.	Education Efforts	Completed	2007	N/A	N/A	WBID 1320A – In PFA	N/A	\$11,853	N/A	SWFWMD	\$11,853	N/A
SWFWMD	Marion County School District	R075	Dunnellon Elementary School Rain Barrels	Students and families were educated on use of rain barrels for irrigation to conserve water.	Education Efforts	Completed	2003	N/A	N/A	WBID 1320A – In PFA	N/A	\$2,975	N/A	SWFWMD	\$2,975	N/A
Marion County Office of the County Engineer	N/A	R076	Rainbow Springs 5th Replat Stormwater Retrofit – CP #72	Retrofit of Drainage Retention Areas 2166; biosorption activated media for nitrogen reduction.	Retention BMP Retrofit with Nutrient-Reducing Media	Planned	2017	135	N/A	WBID 1320A – In PFA	89.8	\$414,000	Not provided	County Stormwater Assessment; SWFWMD Cooperative Funding (Potentially)	Not provided	N/A
City of Williston	N/A	R077	Williston WWTP Upgrade	Upgrade city WWTP to improve nitrogen removal. Currently, facility does not have effluent reporting limit for TN.	WWTF Nutrient Reduction	Underway	2020	1,535	N/A	Rainbow Springs Basin	N/A	\$3,021,000	TBD	City Matching Funds, CDBG, Springs Funding	N/A	Not provided
SWFWMD	Marion County UF-IFAS Extension	R078	Save Our Springs, Manage the Manure	Project educated equine community in Rainbow Springs Springshed about need for BMPs to protect springs. Informational brochure was created to accompany promotional item passed out at local tack stores. Goal was for Extension to meet and schedule one-on-one farm consultations to teach BMPs.	Education Efforts	Planned	2016	N/A	N/A	WBID 1320A – including PFA	N/A	\$1,600	N/A	SWFWMD	\$1,600	N/A
FDOT District 2	N/A	R079	Fertilizer Cessation	FDOT O&M fertilizer cessation on SR 121 and SR 500 (US Hwy. 27A). Cessation began in 2009 and is ongoing.	Fertilizer Cessation	Completed	N/A	3,670	N/A	WBID 1320A – including PFA	168.5	N/A	N/A	N/A	N/A	N/A
FDOT District 2	N/A	R080	Wet Detention/Retention Ponds in FDOT Roads	Nitrogen reduction from wet detention/retention ponds on SR 500 (US Hwy. 27A). Ponds 1 and 5 were completed in 2002, and Pond 10 was completed in 2004.	Wet Detention Ponds, Retention BMPs	Completed	2004	133	N/A	WBID 1320A – Outside PFA	68.6	Not provided	Not provided	Not provided	Not provided	N/A

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City of Dunnellon	N/A	R081	Dunnellon City Beach	Proposed project located at Dinkins Park/City Beach. Project would construct riverwalk along Rainbow River and provide for water quality for untreated stormwater runoff that currently sheetflows into Rainbow River.	Not provided	Underway	2021	Not provided	N/A	Rainbow Springs Basin	Not provided	Not provided	Not provided	City	Not provided	N/A
SWFWMD	UF-IFAS	R082	Composting at Animal Stock Facilities	Research project will evaluate nutrient removal efficiency from composting animal waste. Project will investigate various composting BMPs to determine which is most effective. Project will also compare nutrient leaching efficiency for manure stockpiling and composting facilities.	Study	Underway	2019	N/A	N/A	Rainbow Springs Basin	N/A	Not provided	N/A	SWFWMD	Not provided	N/A
FDACS	UF-IFAS Marion County, SWFWMD	R083	Marion County Equine Compost Facilities Pilot Project	Program will focus on implementation of management BMPs for commercial equine operations in Rainbow Springs BMAP area, specifically in areas of Marion County under SWFWMD jurisdiction. Effort will be in conjunction and coordination with UF-IFAS Marion County Extension Service, in which education and outreach will be provided for commercial and small equine operations. It will also be in conjunction with Marion County Solid Waste Dept. to remove static manure piles on commercial equine operations.	Agriculture BMPs, Education Efforts	Underway	2019	TBD	N/A	Rainbow Springs Basin	N/A	\$200,000	N/A	FDACS/ SWFWMD	Not provided	N/A
City of Dunnellon	SWFWMD	R084	Rainbow Springs Water Reclamation Facility (WRF) Decommissioning	Rerate City of Dunnellon WRF to 0.50 mgd and construct force main from Rainbow Springs WRF to city's WRF and decommission Rainbow Springs WRF. City of Dunnellon recognizes vital ecological and economic importance of Rainbow Springs and Rainbow River in community. Waterbodies are listed as OFWs and are classified as high priorities in SWIM Plan. Both are impaired under Chapter 62-	Package Plant Phase Out, Wastewater Service Area Expansion	Planned	Not provided	TBD	N/A	Rainbow Springs Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				303(d), F.A.C., for TN, as identified in adopted TMDL. Primary project objective is to design and construct sanitary sewer system to remove from service Rainbow Springs WRF, which treats 0.15 mgd. Facility contributes to TN impairment of Rainbow Springs and Rainbow River. Removal will result in substantial and measurable reduction in identified pollutant sources. Project depends on rerating city WRF to 0.50 mgd.												
Marion County Utilities	N/A	R085	Golden Ocala WWTP Nutrient and Capacity Improvement	Golden Ocala WWTF expansion project is initiative by county to improve wastewater treatment and expand plant capacity. Project consists of constructing new 0.675 mgd oxidation ditch with biological nutrient removal, 2 0.750 mgd clarifiers, 2 flow-splitting structures for future oxidation ditches, 0.500-million-gallon equalization basin, new headworks, and screening structure. Existing 0.2 mgd plant will be retrofitted into aerobic digester or sludge holding tank. Plant will be upgraded to AWT standards.	WWTF Nutrient Reduction	Underway	2020	TBD	N/A	Rainbow Springs Basin	N/A	\$17,300,000	\$236,000	County Utility Funds/ Grants	Not provided	N/A
Marion County Utilities	N/A	R086	Removal of Septic Tanks along Rainbow River and Primary Protection Zone	Rainbow Springs sewer expansion project will determine feasibility of removing existing septic tanks and connecting to central sewer system. Project will improve water quality to Rainbow Springs and Rainbow River. Subject to funding limitations, consultant would develop feasibility study to include multiyear phased approach for planning projects in Primary Spring Protection Zone of Rainbow River. Feasibility study will focus on quantifying and locating existing OSTDS systems, estimating construction costs (for new infrastructure and	Study	Planned	Not provided	N/A	N/A	Rainbow Springs Basin	N/A	\$20,000	N/A	County Utility Funds	\$20,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				system updates, including lift stations, gravity sewer mains, force mains, sewer laterals, eliminating septic tanks, and constructing new regional WWTF to meet current, future demands and BMAP water quality standards, and decommissioning package plants) as well as O&M costs of new infrastructure.												
Marion County Utilities	N/A	R087	Provide Central Sewer Service to Major Commercial Corridor	Project will construct 10,750 ft of sanitary sewer force main along SR 200 corridor in Ocala. Project will connect existing development so that septic tanks can be abandoned, prevent further installation of septic tanks along corridor by making central sewer available to new development, and reduce groundwater withdrawals by sending new sewer flows to WWTF that produces and distributes reclaimed water to customers.	Septic Tank Phase Out, Wastewater Service Area Expansion	Underway	2018	TBD	N/A	Rainbow Springs Basin	N/A	\$2,490,984	\$4,730	Marion County Utility Funds/ Grants	\$2,490,984	N/A
City of Williston	N/A	R088	Northwood Estates Septic-to-Sewer	Connection of 31 residential properties in Northwood Estates to city central sewer.	Septic Tank Phase Out	Planned	2019	355	N/A	Rainbow Springs Basin	N/A	\$2,500,000	Not provided	Springs Funding/ City In-Kind Services	N/A	Not provided
Marion County Utilities	N/A	R089	Financial Feasibility Study for New Centralized WRF and Collection System	Study will focus on estimating construction costs (for new infrastructure and system updates, including lift stations, gravity sewer mains, force mains, sewer laterals, eliminating septic tanks, upgrading existing WWTFs to meet future demands and county water quality standards, and decommissioning package plants), and O&M costs of new infrastructure. Study will determine cost-benefit ratio to determine feasibility of implementing OSTDS to central sewer in Rainbow Springs area.	Study	Planned	Not provided	N/A	N/A	Rainbow Springs Basin	N/A	\$150,000	N/A	County	\$150,000	N/A

Santa Fe River BMAP

Background

The Santa Fe River Basin encompasses an area of over 1 million acres and includes all or portions of Alachua, Bradford, Columbia, Gilchrist, and Union Counties. Urban areas include Lake City and Fort White in Columbia County and Alachua, Archer, High Springs, La Crosse, and Newberry in Alachua County. The basin also includes the following OFS: Ichetucknee Spring Group, Hornsby Spring, Devil's Ear Spring, Poe Spring, Columbia Spring, and Treehouse Spring (**Figure B-3**).

DEP identified the lower portion of the Santa Fe River (from River Rise westward to its confluence with the Suwannee River) as impaired for DO and nutrients. In September 2008, DEP adopted the Santa Fe River TMDL for nitrate to protect the aquatic flora and fauna in the river. To achieve the annual average nitrate target of 0.35 mg/L in the Santa Fe River Basin, the nitrate loads from nonpoint sources need to be reduced by 35 %. The Santa Fe River BMAP was adopted in February 2012 to implement the nitrate TMDL in the watershed.

Status of Projects

Through December 31, 2017, 3 projects have been completed. An additional 40 projects that are underway or planned have been added to the BMAP. The projects completed to date are estimated to achieve total reductions of 93,901 lb-N/yr. The projects that are underway are estimated to achieve total reductions of 620,288 lb-N/yr. These are primarily agricultural BMP projects.

As an OFS BMAP, additional information will be provided when the BMAP reaches its 5-, 10-, and 15-year milestones. If the milestones or the 20-year target will not be met, an explanation of possible causes and potential solutions will be provided. These milestones will be specified in a revised BMAP document that is scheduled to be adopted by July 1, 2018, to meet the statutory requirements added by the 2016 Florida Legislature.

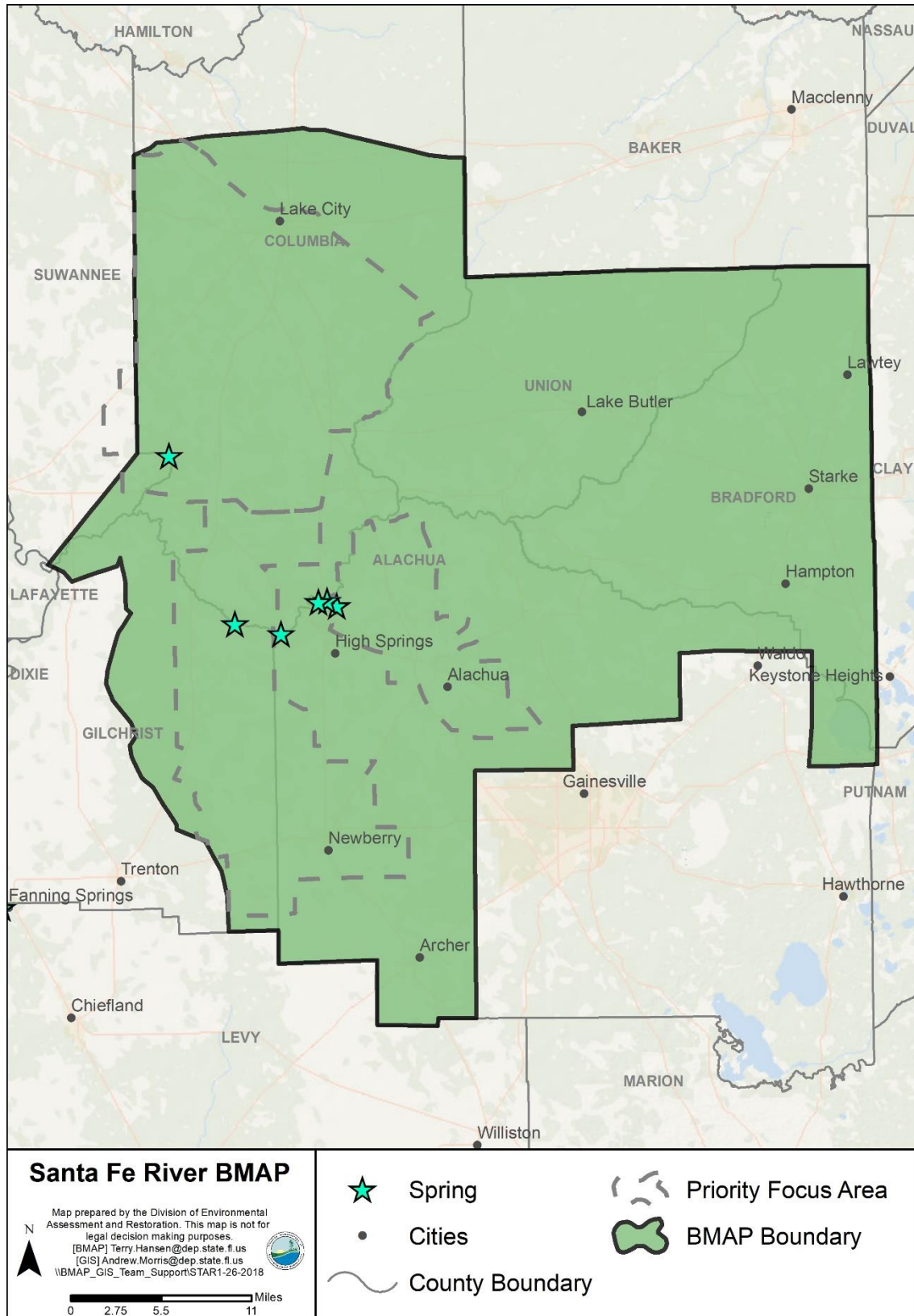


Figure B-3. Santa Fe River BMAP Area

Table B-3. Santa Fe BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lb-N/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Alachua County	SRWMD	AC-01	Poe Springs Domestic Sewage Infrastructure Upgrade	Install new waterless restrooms with larger holding tanks adjacent to springshed. Replace OSTDS with enhanced passive nitrogen system using biosorption activated media (BAM).	Wastewater System Upgrade	Underway	2019	5,776	Not provided	Alachua County	N/A	\$346,600	Not provided	County/SRWMD	County – \$196,600 SRWMD – \$150,000	N/A
Alachua County	DEP	AC-02	Hornsby Spring Restoration	Install temporary aerator to improve DO conditions, remove sediment to improve spring flow, and install SAV to improve water quality.	Hydrologic Restoration	Underway	TBD	1,260	N/A	Alachua County	TBD	\$443,480	N/A	County/DEP	County – \$20,000 DEP – \$423,480	TBD
Alachua County	DEP	AC-03	Mill Creek Sink Water Quality Improvement Project – Phase II	See AL-01 for Phase I project info. Phase II is acquisition of 240 additional acres surrounding and upstream of Mill Creek Swallet.	Land Acquisition	Planned	2018	N/A	N/A	Alachua County	N/A	\$2,600,000	N/A	County/DEP	County – \$1,300,000 DEP – \$1,300,000	TBD
Alachua County	DEP/ Gainesville Clean Water Partnership	AC-04	Fertilizer Social Marketing Campaign	Implement social marketing campaign designed to reduce fertilizer use and to estimate resultant load reduction.	Education Efforts	Planned	2021	TBD	TBD	Alachua County	N/A	\$435,000	N/A	Partnership/DEP	Partnership – \$300,000 DEP – \$135,000	NF033
Alachua County	Adventure Outpost	AC-05	Interactive Paddling Trips	Implement education by coordinating 5 to 6 interactive paddling trips on Santa Fe River with 120 stakeholders to explore actions that affect health of springs and groundwater.	Education Efforts	Planned	2019	N/A	N/A	Alachua County	N/A	\$12,600	N/A	County/Wildlife Foundation of Florida Springs Protection License Plate Grant	County – \$6,900 Grant – \$5,700	N/A
Alachua County	Gainesville Clean Water Partnership	AC-06	Interactive Stormwater and Wastewater Model	Interactive table-top model for teaching children and adults about difference between storm sewers and sanitary sewers.	Education Efforts	Underway	TBD	N/A	N/A	Alachua County	N/A	\$6,500	N/A	Partnership	\$6,500	N/A
Alachua County	N/A	AC-07	Santa Fe River Springs SAV Assessment	Project goal is to document current condition of SAV at selected springs (pools and associated spring runs) on Santa Fe River.	Study	Underway	2019	N/A	N/A	Alachua County	N/A	\$24,500	N/A	County/Wildlife Foundation of Florida Springs Protection	\$24,500	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lb-N/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
														License Plate Grant		
Alachua County	Gainesville Clean Water Partnership	AC-08	Stream Bioassessment Study	Stream Bioassessment Study project includes Stream Condition Index (SCI) in-stream biological assessments and Hester-Dendy sampling and analysis to provide ambient monitoring for TMDL and impaired watersheds.	Monitoring/ Data Collection	Underway	2019	N/A	N/A	Alachua County	N/A	\$85,970	N/A	FDOT	\$85,970	N/A
Alachua County	Camp Kulaqua	AC-09	Hornsby Springs DO and Faunal Study	Project seeks to evaluate role of DO temporally and spatially and to explore what effect this may have on organisms, particularly macroinvertebrates.	Study	Planned	2019	N/A	N/A	Alachua County	N/A	\$14,000	N/A	County/ Wildlife Foundation of Florida Springs Protection License Plate Grant	\$14,000	N/A
Alachua County	Local and State Parks	AC-10	Santa Fe River Springs Signage	Project goal is to increase awareness about springs of Santa Fe River and current springs issues and solutions. Interpretive signs will be installed at selected springs or parks along Santa Fe River.	Education Efforts	Planned	2019	N/A	N/A	Alachua County	N/A	\$12,600	N/A	County/ Wildlife Foundation of Florida Springs Protection License Plate Grant	\$12,600	N/A
Columbia County	SRWMD	CC-01	Rum Island Park	Install new public restrooms with lift station and septic system in place of portable toilets. Install BAM to reduce nutrients around septic system. Project also involves bank restoration and dredging.	OSTDS	Underway	2019	Not provided	N/A	Columbia County	N/A	\$300,000	N/A	County/ SRWMD	County – \$150,000 SRWMD – \$150,000	N/A
Columbia County	DEP	CC-02	Ichetucknee Trace – Clay Hole Creek/ Alligator Lake Aquifer Recharge and Stormwater Mitigation	Construct swales, canals, and stormwater canal structures to direct water to Alligator Lake to provide erosion control and water quality treatment before water enters aquifer.	Regional Stormwater Treatment	Underway	2018	30,000	N/A	Columbia County	Not provided	\$2,560,000	Not provided	County/ DEP	County – \$300,000 DEP – \$2,260,000	LP6103A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lb-N/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Columbia County	DEP	CC-03	Ichetucknee Trace – Cannon Creek Project	Provide flood mitigation, water quality improvement, and aquifer recharge through replacement of old drainage well and 13 ac of wetland construction.	Wetland Treatment	Planned	TBD	10,000	N/A	Columbia County	13	\$3,030,000	Not provided	County/ DEP	County: \$780,000 DEP – \$2,250,000	S0924
Columbia County	DEP	CC-04	Dream Inn Motel WWTP Closure	Remove noncompliant WWTP that serves motel and connect motel to county's central sewer system. This also includes relocating, upgrading, and enlarging existing county WWTF to handle flow from motel.	Wastewater System Upgrade	Underway	2018	1,000	Not provided	Columbia County	N/A	\$354,737	N/A	County/ SRWMD	County – \$210,437 SRWMD – \$144,300	N/A
Gilchrist County	SRWMD	GC-01	Santa Fe Park and Boat Ramp	Replace boat ramp, add docks and canoe launch, and remedy drainage to reduce sediment and nutrients.	Stormwater Improvements	Underway	2019	Not provided	Not provided	Gilchrist County	Not provided	\$129,800	Not provided	County/ SRWMD	County – \$6,800 SRWMD – \$123,000	N/A
City of Alachua	DEP/SRWMD	AL-01	Mill Creek Sink Water Quality Improvement Project	Purchase property to install water quality BMPs to reduce pollutant loads discharging directly into sink. Nutrient loading should be reduced by 66 % and benefit Hornsby Spring.	BMP Treatment Train	Underway	2020	TBD	TBD	Alachua County	Not provided	\$1,400,000	Not provided	DEP/ SRWMD	DEP – \$1,000,000 SRWMD – \$400,000	
City of Archer	SRWMD	AR-01	Holly Hills Stormwater Improvements	Increase storage in existing stormwater ponds to alleviate flooding and improve water quality.	Stormwater Improvements	Underway	2018	Not provided	Not provided	Alachua County	Not provided	\$87,000	Not provided	City/ SRWMD	City – \$4,000 SRWMD – \$83,000	N/A
City of Hampton	TBD	HA-01	Master Drainage Study	Undertake study to address severe flooding issues.	Study	Planned	TBD	N/A	N/A	Bradford County	N/A	TBD	N/A	TBD	TBD	N/A
City of High Springs	DEP/ SRWMD	HS-01	Infiltrative Wetlands for WWTF Effluent Treatment/ Disposal – Phase I	Convert city's existing effluent sprayfield into infiltration wetlands; 10 of 20 ac will be constructed in Phase I. This will benefit water quality in Hornsby and Poe Springs.	Wetland Treatment	Underway	TBD	4,870	Not provided	Alachua County	10	\$1,708,500	Not provided	DEP	DEP – \$1,708,500	

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lb-N/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of High Springs	DEP/ SRWMD	HS-02	Wastewater Collection System Extension – Phase A1	Provide central sewer to remaining areas served by septic systems; eliminate 132 septic systems.	Wastewater Service Area Expansion	Underway	2019	2,640	N/A	Alachua County	N/A	\$3,432,700	N/A	City/ DEP	City – \$125,000 DEP – \$3,307,700	LP61037
City of High Springs	DEP/ SRWMD	HS-03	Camp Kulaqua-Hornsby Spring Water Quality Improvement Project	Remove onsite wastewater treatment plant and effluent disposal and install new wastewater line to city WWTP.	Wastewater System Upgrade	Underway	2018	97	Not provided	Alachua County	N/A	\$500,000	Not provided	DEP/ SRWMD	DEP – \$450,000 SRWMD – \$50,000	S0889
City of High Springs	SRWMD	HS-04	Septic Tank Abatement	Eliminate 13 residential septic systems and connect to city's central sewer system.	Wastewater Service Area Expansion	Underway	2018	330	N/A	Alachua County	N/A	\$175,000	N/A	City/ SRWMD	City – \$25,000 SRWMD – \$150,000	N/A
City of High Springs	TBD	HS-05	Wastewater Collection System Extension – Phase A2	Provide central sewer to remaining areas served by septic systems; eliminate 168 septic systems.	Wastewater Service Area Expansion	Planned	TBD	5,880	N/A	Alachua County	N/A	\$3,453,600	\$5,000	TBD	TBD	N/A
City of High Springs	TBD	HS-06	WWTF Upgrade	WWTF upgrades to meet AWT standards. Effluent will be further treated with constructed infiltrative/treatment wetland.	Wastewater System Upgrade	Planned	TBD	TBD	TBD	Alachua County	N/A	\$4,800,000	TBD	TBD	TBD	N/A
City of Lake City	DEP	LC-01	I-75/SR 47 Cannon Creek Sink Wastewater Improvement Project – Phase I	Eliminate septic systems from 30 businesses and 5 residences to benefit water quality in Ichetucknee Spring.	Wastewater Service Area Expansion	Planned	2019	11,950	N/A	Columbia County	N/A	\$3,400,871	N/A	City/ DEP	City – \$1,703,415 DEP – \$1,697,456	
City of Lake City	DEP/ SRWMD/ Columbia County	LC-02	Ichetucknee Springshed Water Quality Improvement Project	Convert city wastewater effluent disposal system into 120 ac of constructed wetlands that provide 1.58 mgd of recharge water to aquifer and reduce nitrogen loads from WWTP by 85 %.	Wetland Treatment	Completed	2016	77,000	N/A	Columbia County	120	\$5,005,175	Not provided	City/ DEP/ SRWMD/ Columbia County	City – \$200,000 DEP – \$3,900,000 SRWMD – \$805,175 County – \$100,000	S0675
City of Lake City	SRWMD	LC-03	Reclaimed Water System Upgrade – Phase I	Upgrade existing system to allow reclaimed water to be used by local golf course and farmer.	Reclaimed Water	Underway	2018	TBD	TBD	Columbia County	TBD	\$545,470	Not provided	City/ SRWMD	City: \$351,166 SRWMD – \$194,304	N/A
City of Newberry	SRWMD	NEW-01	Potable Water and Central	Replace existing water and wastewater lines close to historic district,	Wastewater System Upgrade	Underway	2018	TBD	TBD	Alachua County	TBD	\$650,000	Not provided	City/ SRWMD	City – \$611,566	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lb-N/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
			Wastewater Improvements	reducing unaccounted water loss and preventing potential sewage spills.											SRWMD – \$38,434	
DEP Florida Park Service (FPS)	N/A	FPS-01	Ichetucknee Springs State Park	Remove septic system in wetlands at Dampier's Landing Bath House and connect to existing wastewater treatment system in uplands.	Wastewater Service Area Expansion	Planned	TBD	Not provided	N/A	Columbia County	TBD	Not provided	N/A	DEP	Not provided	N/A
FDOT	Information not provided	FDOT-01	Fertilizer Elimination	Eliminate fertilizer use in rights-of way.	Fertilizer Cessation	Completed	Not provided	16,901	3,550	Basinwide	776	Not provided	Not provided	Not provided	Not provided	Not provided
Gainesville Regional Utilities (GRU)	DEP	GRU-01	Wetland Creation at Shands Facility	Construct recharge wetland at new Shands facility to remove nutrients from reclaimed water and stormwater and provide aquifer recharge.	Wetland Treatment	Canceled	TBD	Not provided	N/A	Alachua County	N/A	\$1,110,000	N/A	GRU/ DEP	GRU – \$960,000 DEP – \$150,000	S0906
GRU	SRWMD	GRU-02	Oakmont Reclaimed Water Main Extension	Provide reclaimed water to irrigate 136 residential properties and 3 ac of common area.	Reclaimed Water	Underway	2018	TBD	TBD	Alachua County	TBD	\$452,571	Not provided	GRU/ SRWMD	GRU – \$339,428 SRWMD – \$113,143	N/A
GRU	SRWMD	GRU-03	Oakmont Recharge Wetland	Construct recharge wetland in existing stormwater retention basin that will reduce nutrients while recharging aquifer.	Wetland Treatment	Underway	2019	TBD	TBD	Alachua County	Not provided	\$400,000	Not provided	GRU/ SRWMD	GRU – \$250,000 SRWMD – \$150,000	N/A
SRWMD	DEP/ Local Governments	SRWMD-01	Suwannee River SWIM Plan	Implementation and periodic review and update of Suwannee River SWIM Plan, which includes Santa Fe River and Ichetucknee River.	Study	Completed	2017	NA	N/A	Basinwide	N/A	\$238,563	N/A	SRWMD	SRWMD – \$238,563	N/A
SRWMD	DEP and Dairy Producers	SRWMD-02	Improved Nutrient Application Practices in Dairy Operations – Phase 2	To date, 9 agreements with dairies to install screen separators to reduce wastewater solid; 1 agreement with dairy in Santa Fe Basin. DEP has allocated \$2,120,000 for districtwide program.	BMPs	Underway	TBD	1,485	TBD	Basinwide	TBD	\$309,600	N/A	DEP/ SRWMD	DEP/ SRWMD – \$309,600	S0905
SRWMD	DEP/ Producers/ Local	SRWMD-05	Sustainable Suwannee Springs	Agriculture operators are invited to submit proposals to transition	BMPs	Underway	2019	187,500	TBD	Basinwide	N/A	\$2,500,000	N/A	DEP	DEP – \$2,500,000	LP61038

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lb-N/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
	Governments/ Landowners/ Private Companies		Agriculture Pilot Program – Low Input Agriculture	to less intensive cropping systems, change type of cropping system, or change land use to fallow or native landscape for certain amount of time or permanent conservation easement. Priority is given to Convict, Fanning, and Itchetucknee Springsheds.												
SRWMD	Agricultural Producers/ Local Governments/ Landowners/ Private Companies	SRWMD-07	Regional Initiative Valuing Environmental Resources (RIVER) Program	Benefits of annual cost-share projects include improving wastewater facilities serving hundreds of residents and commercial entities, preventing potential wastewater discharge into receiving waters during flood events, and significantly reducing nutrient leaching by removing substantial number of septic systems.	WWTF Upgrade	Underway	Not provided	TBD	TBD	Basinwide	N/A	\$1,500,000/annually	N/A	SRWMD	SRWMD – \$1,500,000	NA
SRWMD	Agricultural Producers	SRWMD-08	Precision Agricultural Practices	Provide cost-share funds to agricultural producers in BMAP area to implement precision nutrient and irrigation management technology. Districtwide program benefits and dollars split between Santa Fe and Suwannee BMAPs.	BMPs	Underway	Not provided	312,500	TBD	Basinwide	N/A	\$625,000	N/A	SRWMD	SRWMD – \$625,000	NA
SRWMD	DEP/ Agricultural Producers	SRWMD-09	Nursery Water Conservation Initiative	Assist nurseries in upgrading from overhead irrigation methods to microspray or drip irrigation. To date, 45 nurseries on 300 ac have received assistance.	BMPs	Underway	Not provided	45,000	TBD	Basinwide	N/A	\$1,321,150	N/A	DEP/ SRWMD/ Producers	DEP – \$940,000 SRWMD – \$39,325 Producers – \$341,825	S0796

Silver River and Springs BMAP

Background

The Silver Springs BMAP area is 989 square-miles in size (**Figure B-4**) and is located primarily in Marion County. The BMAP area approximates the extent of the 1,000-year modeled groundwater capture zone. The BMAP addresses the surface drainage basin for Silver River, but not other surface water basins located in the BMAP area. The western boundary of the BMAP area coincides with the eastern extent of the Rainbow Springs BMAP area and I-75.

DEP identified Silver Springs, Silver Springs Group, and Upper Silver River as impaired for nutrients, because of an imbalance of flora and fauna evidenced by excessive algal growth and smothering of SAV. In 2012, DEP adopted the TMDL, which established a concentration target of 0.35 mg/L nitrate (NO₃ as N) and a 79 % reduction in nitrate concentration for each impaired waterbody. The Silver Springs BMAP was adopted in October 2015 to implement the TMDLs.

Status of Projects

Through December 31, 2017, 124 projects have been completed. The projects completed to date are estimated to achieve total reductions of 265,461 lbs/yr of TN at the land surface.

Additional information will be provided when the OFS BMAP reaches its 5-, 10-, and 15-year milestones. If the milestones or the 20-year target will not be met, an explanation of possible causes and potential solutions will be provided. These milestones will be specified in a revised BMAP document. The revised Silver Springs BMAP is scheduled to be re-adopted by July 1, 2018, to meet the statutory requirements added by the 2016 Florida Legislature.

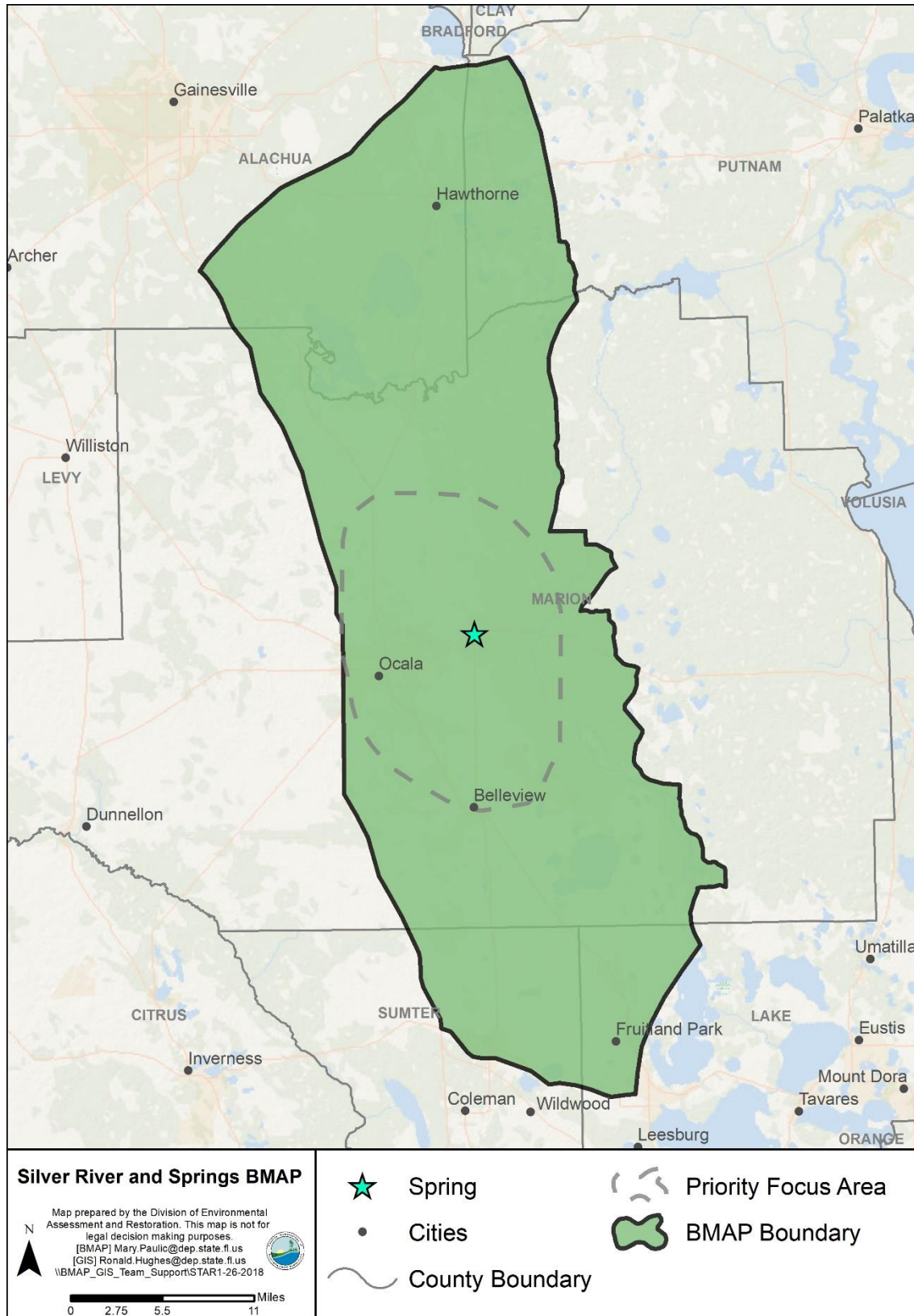


Figure B-4. Silver River and Springs BMAP area

Table B-4. Silver River and Springs BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Growth Services	N/A	B001	Marion County TDR	TDR Program is designed to protect natural resources, especially those listed in Policy 1.1.2 of Conservation Element of Marion County Comprehensive Plan and locally important and prime farmlands in Marion County. Resources include, but are not limited to, preservation of high-water recharge and underground drainage basins, springs, karst areas, sinkholes, sinks, sinkhole ponds, and other karst features. Land from which development rights are transferred is subject to conservation easement. Article 3 of LDC defines TDR Program and eligible sending and receiving areas.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A
Marion County Growth Services	N/A	B002	Marion County TVR	TVR Program is designed to minimize dense development of vested properties without central water and sewer systems, and/or other supporting infrastructure, and thus protect natural resources, encourage and enhance development of larger parcels, reduce county's inventory of vested properties, and permit county to better plan for future growth. Land from which vested rights are transferred is subject to conservation easement. Article 3 of LDC defines TVR Program and eligible sending and receiving areas.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Growth Services	N/A	B003	Marion County Hamlet Design Option	Comprehensive Plan Future Land Use Element Policy 2.1.13 establishes Hamlet Development Option, designed to provide for clustered low-density development patterns in rural designated lands, while requiring permanent open spaces reserved from development and some increased additional urban services (e.g., central water, central sewer, designed/constructed stormwater systems) that comply with Marion County's design and development standards, including Springs Protection. Article 3 of LDC generally defines Hamlet design provisions.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A
Marion County Growth Services	N/A	B004	Marion County Rural Community Land Use Designation	Comprehensive Plan Future Land Use Element Policy 2.1.18 establishes Rural Community future land use designation to provide for clustered urban density development patterns in rural designated lands, while requiring permanent open spaces reserved from development and complete urban services (e.g., central water, central sewer, and designed/constructed stormwater systems) that comply with Marion County's design and development standards, including Springs Protection. Article 3 of LDC generally defines Rural Community design provisions.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Growth Services	N/A	B005	Marion County Community Redevelopment Area Program	Comprehensive Plan Future Land Use Element Objective 2.2 establishes specific limited density and specialized design standards for wetland and floodplain areas slated for development. Articles 5 and 6 of LDC set forth specific design and development criteria related to applicable areas.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A
Marion County Growth Services	N/A	B006	Marion County Springs Protection Zones	Comprehensive Plan Future Land Use Element Objective 7.2 establishes SPOZ and identifies extent of Primary and Secondary Zones along with other design and development standards. Articles 5 and 6 of LDC set forth specific design and development criteria related to applicable SPOZ.	Study	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A
Marion County Office of the County Engineer	N/A	B007	Marion County Irrigation Ordinance	Ordinance sets enforceable irrigation schedule and rates for Marion County; also identifies efficient irrigation systems exempt from schedule.	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	County	Not provided	N/A
Marion County Office of the County Engineer	N/A	B008	Marion County Fertilizer Ordinance	County FFL fertilizer use on urban landscapes ordinance regulates proper use of fertilizers by any applicator; requires proper training of commercial and institutional fertilizer applicators; establishes training and licensing requirements; and specifies allowable fertilizer application rates and methods, fertilizer-free zones, low-maintenance zones, and exemptions. It requires use of BMPs that provide	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	County	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				specific management guidelines to minimize negative secondary and cumulative environmental effects associated with misuse of fertilizers; latest LDC now includes 2008 ordinance.												
Florida Forest Service	N/A	B009	Silviculture BMP Implementation and Compliance	Covers silviculture lands in Rainbow and Silver Springs BMAP areas. BMPs for silviculture are applicable to public and private industrial and nonindustrial forest lands. Silviculture BMPs are minimum standards for protecting and maintaining water quality during ongoing silviculture activities, including forest fertilization. Projects include biennial BMP surveys, targeted training, and technical assistance for landowners and forestry professionals.	Agriculture BMPs	Completed	N/A	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Marion County Office of the County Engineer	N/A	B010	Clean Farms Initiative	Clean Farms Initiative was designed to assist Marion County farm owners and managers with implementation of BMPs, and to recognize their cooperative efforts. As part of initiative, more than 7,500 surveys and brochures were mailed in 2006 to owners of agricultural land, ranging from large operations of several hundred acres to small tracts with fewer than 12 animals. Survey measures current manure management and fertilization practices. Results of survey, and input from focus groups held in February and March 2007, were used to	Agriculture BMPs	Completed	N/A	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				create Farm Outreach Coordinator position to educate horse farm owners and managers on water quality, targeting practices such as manure management and fertilization.												
UF-IFAS Extension Marion County	SWFWMD, UF-IFAS	B011	Water Quality Education and Equine Farm BMPs	Equine BMPs and Manure Management Education and Outreach Program sponsored by UF-IFAS Extension and Marion County. From 2010 to 2013, program developed 44 types of educational materials, made 3,507 client consultations, 464 of which were in field; 301 producers participated in group education events, including manure management summit and tour. Program website received 446 views during this period. Program is ongoing.	Agriculture BMPs	Completed	N/A	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	UF-IFAS	Not provided	N/A
DEP	TBD	B012	Implementation of Outreach Program for Small Equine BMP Manual	Small Equine BMP manual is intended to educate owners of noncommercial horse farms on BMPs to reduce nutrient loads. Outreach program will be developed for effective implementation of BMPs on noncommercial horse farms in Silver and Rainbow Springs BMAP areas. Implementation program will consist of identification of key agencies with existing public education activities where BMP manual can be incorporated, development or modification of existing recognition programs to provide measureable	Agriculture BMPs	Completed	N/A	N/A	N/A	Rainbow Spring Basin, Silver Spring Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				goals for both participants and types of BMPs implemented, and identification of existing cost-share programs that may assist noncommercial operations in BMP implementation.												
FDOT District 5	N/A	B022	SR 40 Design Project-Pond 3	238719-1, SR 40 from CR 328 to SW 80th Ave. (CR 225A) – Pond 3/dry retention; closed basin in poorly drained soils.	Retention BMP	Underway	2020	12	2	WBID 1320A – Outside PFA	9.0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	B023	SR 40 Design Project-Pond 4	238719-1, SR 40 from CR 328 to SW 80th Ave. (CR 225A) – Pond 4/dry retention; closed basin in poorly drained soils.	Retention BMP	Underway	2020	16	2	WBID 1320A – Outside PFA	12.5	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	B024	SR 40 Design Project-Pond 5	238719-1, SR 40 from CR 328 to SW 80th Ave. (CR 225A) – Pond 5/dry retention; closed basin in poorly drained soils	Retention BMP	Underway	2020	14	2	WBID 1320A – Outside PFA	10.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	B025	SR 40 Design Project-Pond 6	238719-1, SR 40 from CR 328 to SW 80th Ave. (CR 225A) – Pond 6/dry retention; closed basin in poorly drained soils	Retention BMP	Underway	2020	12	2	WBID 1320A – Outside PFA	9.3	Not provided	Not provided	Florida Legislature	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	B028	SW 85th St/ SW 40th Ave Stormwater Retrofit	Construction of drainage retention area lined with Bold and Gold™ soil amendment to enhance nitrogen removal. Post-construction event monitoring shows 70 % reduction in TN through soil amendment layer.	Retention BMP with Nutrient-Reducing Media	Completed	2012	98	N/A	WBID 1320A – Outside PFA	32.0	\$330,000	Not provided	Marion County Stormwater Assessment/ SWFWMD Cooperative Funding	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	B029	West Hwy. 316 at 119th Ave Stormwater Retrofit	Proposed project to construct wet retention area to reduce nitrate in stormwater runoff from transportation and residential land uses that is currently infiltrating to aquifer without treatment. Project is currently identified in adopted 2014 Stormwater Implementation Plan.	Retention BMP	Completed	2016	29	0	WBID 1320A – Outside PFA	55.6	\$52,654	Not provided	Marion County Stormwater Assessment/ SWFWMD Cooperative Funding	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Office of the County Engineer	N/A	B030	West Hwy. 316 at Hwy. 329 Stormwater Retrofit	Proposed project to construct retention area to reduce nitrate in stormwater runoff from transportation and residential land uses that is currently infiltrating to aquifer without treatment. Project is currently identified in adopted 2014 Stormwater Implementation Plan.	Retention BMP	Canceled	N/A	N/A	N/A	WBID 1320A – Outside PFA	N/A	N/A	N/A	N/A	N/A	N/A
Marion County Office of the County Engineer	N/A	B032	Sinkhole Repair Program in County DRAs	Part of ongoing stormwater system maintenance activities. Performed as needed by county crews or contractors depending on size and scope of repair.	Stormwater System O&M	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	N/A	\$50,000	County Annual Stormwater Budget for Internal Repairs – \$50,000 Typical Annual Expenditure for Contracted Repairs from Stormwater Budget – \$10,000 to \$100,000	Not provided	N/A
Marion County Office of the County Engineer	N/A	B033	Street Sweeping of Marion County Roads	Sweeping of county-maintained roads. Sweeping of roads with curb and gutter is completed 9 times/yr. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	194	124	WBID 1320A – including PFA	N/A	N/A	\$46,000	County Stormwater Assessment	Not provided	N/A
Marion County Office of the County Engineer	SWFWMD	B034	Marion County WMP	Countywide WMPs prepare that include creation and maintenance of comprehensive geodatabase for county storm sewer system data, watershed boundaries and hydrologic features countywide.	Study	Completed	Not provided	N/A	N/A	WBID 1320A – including PFA	N/A	\$337,000	N/A	County Stormwater Assessment/ SWFWMD	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Office of the County Engineer	N/A	B035	Marion County Aquifer Vulnerability Assessment	<p>Identification of vulnerable areas of aquifer. Project provided scientifically defensible water resource management and protection tool that facilitates planning of human activities to help minimize adverse impacts on groundwater quality. Aquifer vulnerability maps are displayed in classes of relative vulnerability (one area is more vulnerable than another). Maps benefit local government, planners and developers in guiding growth into more appropriate areas (e.g., groundwater recharge areas) and improve site selection for expanding existing or establishing new well fields. Benefits: Identifies areas where aquifer is vulnerable to pollution. Potential future management activities in those areas to reduce pollution of groundwater.</p>	Study	Completed	2007	N/A	N/A	WBID 1320A – including PFA	N/A	\$82,850	N/A	County Stormwater Assessment	\$82,850	N/A
Marion County Office of the County Engineer	Not provided	B036	Public Education Coordination	<p>Formation of public education coordination team consisting of representatives from local government, state agencies, WMDs, and local interest groups. Purpose would be to provide consistent and accurate information on pollution prevention to citizens and maximize efforts among team members.</p>	Education Efforts	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Local, State, and Federal Agencies/ WMDs/ Local Interest Groups	Not provided	N/A

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Marion County Office of the County Engineer	N/A	B037	Marion County Stormwater Program – NPDES MS4 Permit	Public outreach and education programs including informational pamphlet distribution, PSAs, and public outreach events. Other efforts include illicit discharge inspection and education, mapping and modeling efforts, construction site pollution prevention program, and municipal operations pollution prevention program.	Education Efforts	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	\$3,500,000	County Stormwater Assessment	Not provided	N/A
FDOT Districts 2 and 5	N/A	B038	FDOT Public Education	FDOT conducts inspections and provides annual illicit discharge, spill prevention and erosion and sediment control training to staff and contractors.	Education Efforts	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
Rainbow River Conservation	N/A	B039	Springs Awareness for Educators	A workshop for Marion County teachers and educators to provide resources on springs, water issues and wildlife which can be used in classroom to enhance teaching common core standards.	Education Efforts	Completed	N/A	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	SWFWMD/ Florida Springs Institute	Not provided	N/A
Private Interest	N/A	B040	Collection Center for Septic System Pumpage	Proposed project to construct centralized collection center for septic tank pumpage in lieu of current land application. Collection center would process pumpage and discharge into municipal collection system. Project is conceptual. SB 550 would ban land application of septic pumpage effective 2016.	Wastewater Service Area Expansion	Canceled	N/A	N/A	N/A	Rainbow River Basin and Silver Spring Basin	N/A	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	B041	FDACS Cost-Share Programs	FDACS will provide at least \$250,000 in BMP cost-share for Silver Springs/Rainbow Springs BMAP areas.	Agriculture BMPs	Underway	2020	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	FDACS Cost-Share	Not provided	N/A

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FDACS	N/A	B042	FDACS Refinement of Appropriate BMPs	To help focus cost-share expenditures and BMP implementation follow-up, FDACS will review rule-adopted cow/calf and equine BMPs to identify practices likely to have greatest nutrient load reduction benefits.	Agriculture BMPs	Underway	2020	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A
UF-IFAS Extension Marion County	N/A	B043	Technical Agriculture Committee	Formation of technical agriculture committee consisting of representatives from local interest groups, local government, WMDs, and state agencies. Group purpose would be to ensure consistent and accurate information for pollutant load contribution associated with agricultural uses and evaluate effectiveness of BMPs.	Agriculture BMPs	Underway	2020	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A
UF-IFAS Extension Marion County	N/A	B044	Assessment of Role of Beef Cattle in Nitrogen Loading in Silver and Rainbow Springs Basin	As part of BMAP, inventories have been developed that estimate relative nitrogen loading from different sources or categories of land use in basins. Concerns have been expressed that amount of nitrogen load allocated to cattle may not accurately reflect key characteristics of Florida cow-calf production system. These issues include typical cattle stocking rates on pasture, low inputs of commercial nitrogen fertilizer to pasture systems, diets that are based on C4 (i.e., warm climate) grasses which have relatively low nitrogen concentration, nitrogen levels in dung and urine that are not comparable to those of dairy animals or beef	Study	Underway	2019	N/A	N/A	WBID 1320A – including PFA	N/A	\$495,000	N/A	Florida Legislature	Not provided	N/A

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				cattle on feedlot, significant gaseous losses of nitrogen from animal waste, capability of grass roots to efficiently capture nitrogen as it passes through rooting zone, and amount of nitrogen stored in below-ground organs of pasture grasses. More accurate quantification of these characteristics for specific conditions of regional production systems will aid assessments of nitrogen loading from cattle operations.												
FDACS	N/A	B045	Revised Vegetable and Agronomic Crop BMP Manual	In 2015, FDACS OAWP adopted revised vegetable and agronomic crop manual that includes specific nutrient and irrigation management BMPs for plastic mulch, bare ground, sugar cane, hay/silage, and greenhouse production systems.	Agriculture BMPs	Completed	2015	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	N/A	B046	Dairy BMP Manual	In early 2016, FDACS adopted dairy manual that targets dairies that do not have DEP-issued NPDES permits.	Agriculture BMPs	Completed	2016	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	N/A	B047	Poultry BMP Manual	OAWP adopted poultry BMP manual in June 2016.	Agriculture BMPs	Completed	2016	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	N/A	B048	Enhanced IA Program	Additional emphasis was given to IA in 2016 legislation, particularly Chapter 2016-1, Laws of Florida. Among its provisions, law requires enhancement and formalization of OAWP IA policies and procedures through rulemaking. Rulemaking will be initiated prior to January 1, 2017. Once rulemaking is completed,	Agriculture BMPs	Underway	2018	N/A	N/A	WBID 1320A – including PFA	N/A	Not provided	Not provided	Not provided	Not provided	N/A

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				<p>FDACS will implement enhanced IA Program and more detailed reporting, as prescribed by legislation, on site visits and surveys will be provided on annual basis. Enhanced IA Program, as component of FDACS BMP Program, will be designed:</p> <ul style="list-style-type: none"> • To provide accurate and timely information on status of BMP enrollments. • To provide accurate and timely information on extent of BMP implementation. • To provide information from which reports on BMP enrollment and implementation can be made to BMAP stakeholders and to annual report required by Chapter 2016-1, Section 34, Laws of Florida. • To inform educational, research, and technical assistance efforts targeted to strengthen BMP implementation and effectiveness. • To guide review and potential revision of BMP manuals. 												
City of Ocala	N/A	B049	Fox Meadow Sewer Expansion Project	<p>Project objective is to design and construct sanitary sewer system which will remove from service 275 septic tanks from associated single-family residential lots. Septic tanks contribute to TN and TP impairment of Rainbow Springs and Rainbow River.</p>	Septic Tank Phase Out, Wastewater Service Area Expansion	Planned	2020	TBD	N/A	Rainbow Springs Basin and Silver Springs Basin	N/A	\$4,705,000	Not provided	City	Not provided	Not provided

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City of Ocala	N/A	B050	Fairfield Village Sewer Expansion Project	Project objective is to design and construct sanitary sewer system that will remove from service package plant serving 350 mixed-use residential lots and 1 community center. Package plant contributes to TN and TP impairment of Rainbow Springs and Rainbow River.	Package Plant Phase Out, Wastewater Service Area Expansion	Planned	2020	TBD	N/A	Rainbow Springs Basin and Silver Springs Basin	N/A	\$875,000	N/A	City	Not provided	Not provided
City of Ocala	N/A	B051	Timberwood Sewer Expansion Project	Project objective is to design and construct sanitary sewer system that will remove from service 180 septic tanks from associated single-family residential lots. Septic tanks contribute to TN and TP impairment of Rainbow Springs and Rainbow River.	Septic Tank Phase Out, Wastewater Service Area Expansion	Planned	2020	TBD	N/A	Rainbow Springs Basin and Silver Springs Basin	N/A	\$3,316,000	Not provided	City	Not provided	Not provided
Alachua County Environmental Protection Dept. (ACEPD)	N/A	S001	Fertilizer and Landscape Irrigation Codes	County will adopt and enforce Fertilizer Management and Landscape Irrigation Ordinances. Benefits: Reduce volume of runoff from over irrigation and reduce nutrient loading from use of fertilizers. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County General Fund	Not provided	N/A
Villages Center CDD	N/A	S002	Stormwater Management-Policy Adoption	Adopted policy prohibits illicit discharges for VCDD No. 1	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CDD	Not provided	N/A
Lake County Economic Growth	N/A	S003	Golf Course Resource Management Plan	Golf course resource management plans are applicable to unincorporated portion of Lake County for new and existing golf courses; regulatory approach will provide protection to groundwater and surface water.	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Lake County	Not provided	N/A

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Lake County Public Works	N/A	S004	Lake County Shoreline Protection Guide	Guide for lakefront land owners on water resource issues including shoreline protection, stormwater BMPs, erosion, and aquatic plants. Outreach program targeted at county residents. Inform property owners of better land management practices to improve water quality protection.	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County	Not provided	N/A
DEP – Division of State Lands	Marion County	S005	Acquisition of Indian Lake State Forest	Acquisition of 4,400 ac of sandhills and pasture land previously known as Avatar property. Forest is within 2- and 10-yr modeled capture areas for Silver Springs and contains Indian Lake, karst feature directly connected to Upper Floridan aquifer (UFA), and numerous sinkholes. Restoration of native sandhills is underway. Forest was acquired with FCT contributing \$76,000,000, with additional \$2,000,000 provided by Marion County.	Land Acquisition	Completed	2007	N/A	N/A	Silver Springs Basin	4,400.0	\$78,000,000	N/A	FCT/ Marion County	Not provided	N/A
DEP – Division of State Land	Marion County	S006	Silver Springs Conservation Area	Acquisition of 346 ac of undeveloped land directly across SR 35 from Silver Springs State Park. Land was acquired under Florida's First Magnitude Springs Project by Division of State Lands. By preserving land around springs, project will aid in protection of springs, karst windows, and Floridan aquifer from effects of commercial, residential, and agricultural runoff; clearcutting and mining; and unsupervised recreation.	Land Acquisition	Completed	2005	N/A	N/A	Silver Springs Basin	346.0	\$7,847,000	N/A	FCT	Not provided	N/A

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ACEPD	Not provided	S007	Little Orange Creek Land Acquisition	No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Completed	2012	N/A	N/A	Silver Springs Basin	699.0	\$795,438	N/A	County Fee Simple/ Wild Spaces and Public Places Sales Tax/ North American Wetland Act Grant/ Alachua Conservation Trust	Not provided	N/A
ACEPD	Alachua Conservation Trust, Florida Conservation Trust	S008	Phifer Flatwoods Land Acquisition #1 – Lochloosa Creek	No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Completed	2006	N/A	N/A	Silver Springs Basin	600.0	\$2,882,239	N/A	County Forever Bond Proceeds	Not provided	N/A
ACEPD	N/A	S009	Phifer Flatwoods Land Acquisition #2 – Lochloosa Creek; Little Lochloosa Creek	No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Completed	2009	N/A	N/A	Silver Springs Basin	380.0	\$1,170,864	N/A	County Forever Bond Proceeds	Not provided	N/A
ACEPD	SJRWMD	S010	Longleaf Flatwoods Preserve Land Acquisition	No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Completed	2003	N/A	N/A	Silver Springs Basin	1,388.5	\$2,259,654	N/A	County Forever Bond Proceeds	Not provided	N/A

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ACEPD	SJRWMD	S011	Rayonier Tract Acquisition (River Styx)	No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Completed	2008	N/A	N/A	Silver Springs Basin	1,450.0	\$4,855,506	N/A	County Forever Bond Proceeds/ SJRWMD/ Federal Forest Legacy Program (FFLP)	Not provided	N/A
ACEPD	NRCS	S012	Freddy Wood Land Tract Acquisition	No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Completed	2008	N/A	N/A	Silver Springs Basin	600.0	\$1,136,000	N/A	County Forever Bond proceeds/ FFLP	Not provided	N/A
SJRWMD	Alachua County	S013	LochLoosa Wildlife Conservation Area	Acquisition of land around Lochloosa Lake and around north side of Orange Lake for Lochloosa Wildlife Conservation Area. Benefits: No increase in surface runoff of pollutants because of land use change.	Land Acquisition	Completed	2003	N/A	N/A	Silver Springs Basin	28,337.0	\$16,058,211	N/A	SJRWMD Ad Valorem/ Preservation 2000/ Alachua County Cost-Share	Not provided	N/A
City of Ocala	SJRWMD, FDOT, DEP	S014	City of Ocala Silver Spring/ River Pollution Reduction Project	Addresses surface water discharge. Project provided water quality treatment for 4 drainage basins in City of Ocala. Basins historically discharged untreated stormwater runoff to Half-Mile Creek via SR 40/Silver Springs Blvd. Storm sewer system.	Not provided	Completed	2018	617	207	Silver Springs Basin	738.3	\$3,501,034	Not provided	SJRWMD/ FDOT/ DEP/ Community Budget Issue Request (CBIR)/ City Stormwater Utility Fees	Not provided	Not provided

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FDOT District 2	N/A	S015	SR 20 Widening	Addresses surface water. Eastern urban area of Gainesville and Alachua County. Widening of SR 20 from 2- to 4-lane road with stormwater runoff treatment; 3 wet detention ponds installed to treat stormwater runoff along with more than 100 ditch blocks to capture runoff. Benefits: Pollutant removal by treatment of stormwater runoff. No previous treatment.	Wet Detention Pond	Completed	2006	3,665	362	Silver Springs Basin	355.0	\$10,763,788	Not provided	State Legislature	\$10,763,788	N/A
FDOT District 5	N/A	S017	SR 500 (US Hwy. 441) Design Project-Basin C	238395-4, SR 500 (US Hwy. 441) from Martin Luther King to Lake Ella Rd.– Basin C/ Wet detention; open basin discharge to Lake Griffin.	Wet Detention Pond	Completed	2014	11	8	Silver Springs Basin	13.9	Not provided	Not provided	State Legislature	Not provided	N/A
FDOT District 5	N/A	S019	SR 500 (US Hwy. 441) Design Project-Basin E	238395-4, SR 500 (US Hwy. 441) from Martin Luther King to Lake Ella Rd.– Basin E/ Dry retention; open basin discharge to Lake Griffin.	Retention BMP	Completed	2014	59	8	Silver Springs Basin	9.9	Not provided	Not provided	State Legislature	Not provided	N/A
FDOT District 5	N/A	S027	SR 35 Design Project-Pond 9	238677-1, SR 35 from SR 464 (Maricamp Rd.) to SR 40 – Basin 9 (Pond 9)/ Dry rRetention.	Retention BMP	Completed	2012	3	0	Silver Springs Basin	3.3	Not provided	Not provided	State Legislature	Not provided	N/A
Marion County Office of the County Engineer	DEP/ SJRWMD	S030	31st St. Stormwater Retrofit	Construction of stormwater wetland to treat runoff from US Hwy. 441 and adjacent commercial land uses prior to discharge to active sinkhole. Project was jointly funded by Marion Conty, DEP, and SJRWMD. Post-construction monitoring found 72 % reduction in nitrate concentrations in wetland.	Wetland Treatment	Completed	2009	3	19	Silver Springs Basin	26.0	\$600,000	Not provided	County Stormwater Assessment/ SJRWMD/ DEP	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Office of the County Engineer	DEP/ SJRWMD/ FDOT	S031	Marion County Silver Springs/River Pollution Reduction Project	Addresses surface water discharge. Construction of pump station to intercept runoff from 42.6 ac of SR 40 right-of-way and adjacent commercial land uses prior to discharge to Half-Mile Creek, tributary of Silver River. Runoff is pumped to retention pond located on state lands across from Silver Springs Attraction. Marion County was lead agency for engineering design and construction. Project partners each contributed funds towards construction.	Retention BMP	Completed	2010	1,922	625	Silver Springs Basin	505.0	\$1,766,828	Not provided	County Stormwater Assessment/ SJRWMD/ DEP/ FDOT	Not provided	Not provided
Marion County Office of the County Engineer	DEP/ University of Central Florida (UCF)/ SJRWMD/ SWFWMD	S032	Hunter's Trace Retention Area Retrofit	Project was field-scale research installation of Bold and Gold™ soil amendment. Project goal was to assess pollutant-removal potential of 12 in of Bold and Gold™. Construction and postconstruction monitoring conducted through UCF. Final report to DEP found 50 % removal of nitrogen through soil amendment layer.	Retention BMP Retrofit with Nutrient-Reducing Media	Completed	2009	Not provided	N/A	Silver Springs Basin	56.0	\$500,000	Not provided	County Stormwater Assessment/ SWFWMD/ DEP	Not provided	Not provided
Marion County Office of the County Engineer	N/A	S033	Country Gardens Stormwater Retrofit	Proposed project to construct retention area to treat stormwater runoff from residential land uses that currently discharge to relict sinkhole/quarry.	Retention BMP	Planned	2017	14	3	Silver Springs Basin	33.2	\$188,500	Not provided	County Stormwater Assessment	Not provided	N/A
City of Belleview	DEP/ Marion County	S034	US Hwy. 441 Sewer Main Expansion	Construction of new sewer line south of city along US Hwy. 441. Sewer line will allow commercial and residential area to hook up to centralized system. Project will provide 79 central sewer connections to rapidly developing corridor, with potential	Wastewater Service Area Expansion	Completed	2016	1,889	N/A	Silver Springs Basin	N/A	\$1,000,000	Not provided	DEP/ Marion County Economic Development Infrastructure Grant (EDIG)	Not provided	Not provided

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				for up to 60 more connections.												
City of Ocala	DEP/ SJRWMD	S035	Citywide Septic Tank and Well Elimination Program	Project includes connection of remaining septic tanks in city at no cost to homeowners. Septic tanks contribute 26 % to 40 % of pollutant load to groundwater in springshed. Elimination of septic tanks will reduce nitrogen loading to Silver Springs by 20,321 lbs/yr.	Septic Tank Phase Out	Underway	2018	20,321	N/A	Silver Springs Basin	N/A	\$10,500,000	N/A	City/ DEP, SJRWMD/ Florida Legislature	DEP- \$5,000,000, SJRWMD – \$5,000,000 Florida Legislature – \$500,000	Not provided
City of Ocala	N/A	S036	Package Plant Abatement	Connection of White Oak Mobile Home Park (MHP), Magnolia Gardens, and 301 Plaza to central sewer.	Package Plant Phase Out, Wastewater Service Area Expansion	Completed	2015–16	546	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Marion County Utilities	DEP, SJRWMD	S037	Divert Wastewater Flows from Silver Springs Regional WWTF to Silver Springs Shores (SSS) WWTF	Install 3-mi-long force main that will reroute all sewage from Silver Springs Regional wastewater plant to SSS WWTF. Route of new force main will allow other decentralized wastewater plants in vicinity of Silver Springs to connect in future.	Package Plant Phase Out, Wastewater Service Area Expansion	Completed	2015	16,438	N/A	Silver Springs Basin	N/A	\$1,023,114	Not provided	County Utilities Fund/, DEP TMDL Fund/ SJRWMD	County Utilities Fund – \$563,057 DEP TMDL Fund – \$463,056.96 SJRWMD – \$100,000	S0628
Marion County Utilities	N/A	S038	SSS WWTF Upgrade	Upgrading existing WWTP located in SSS to reclaimed quality effluent standards. Utility customers are already paying \$5,031,738 for treatment facility upgrades.	WWTF Upgrade	Completed	2015	10,331	N/A	Silver Springs Basin	N/A	\$5,031,738	Not provided	County Utilities	\$5,031,738	N/A
Villages Center CDD	N/A	S039	Villages Center Service Area (VCSA) WWTP – Anaerobic Denitrification	WWTP includes anoxic basin for denitrification of NO ₃ , which reduces NO ₃ discharge in WWTP effluent.	WWTF Nutrient Reduction	Completed	2012	Not provided	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CDD	Not provided	N/A
Villages Center CDD	N/A	S040	Little Sumter Service Area (LSSA) WWTP – Anaerobic Denitrification	WWTP includes anoxic basin for denitrification of NO ₃ , which reduces NO ₃ discharge in WWTP effluent.	WWTF Nutrient Reduction	Completed	2012	Not provided	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CDD	Not provided	N/A
Village Center CDD	N/A	S041	North Sumter Utilities (NSU) WWTP –	WWTP includes anoxic basin for denitrification of NO ₃ , which reduces NO ₃	WWTF Nutrient Reduction	Completed	2012	Not provided	N/A	Silver Springs Basin	N/A	Not provided	Not provided	North Sumter County Utility	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
			Anaerobic Denitrification	discharge in WWTP effluent.										Dependent District		
City of Ocala	Not provided	S042	Reuse Projects	Reuse projects to 3 golf courses and city parks and recreation sites. Courses may be served by any of sewer facilities because of infrastructure configuration.	Reclaimed Water	Completed	2015–16	Not provided	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Villages Center CDD	N/A	S043	VCSA WWTP – Reuse	Public access reuse system provides reclaimed water for irrigation of golf courses and roadways.	Reclaimed Water	Completed	2012	21,706	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CDD	Not provided	N/A
Villages Center CDD	N/A	S044	LSSA WWTP – Reuse	Public access reuse system provides reclaimed water for irrigation of golf courses and roadways.	Reclaimed Water	Completed	2012	45,835	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CDD	Not provided	N/A
Villages Center CDD	North Sumter County Utility Dependent District	S045	NSU WWTP – Reuse	Public access reuse system provides reclaimed water for irrigation of golf courses.	Reclaimed Water	Completed	2012	42,974	N/A	Silver Springs Basin	N/A	Not provided	Not provided	North Sumter County Utility Dependent District	Not provided	N/A
Villages Center CDD	Central Sumter Utility (CSU)	S046	CSU WWTP – Reuse	Public access reuse system provides reclaimed water for irrigation of golf courses.	Reclaimed Water	Completed	2013	8,584	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CSU	Not provided	N/A
FDOT District 5	N/A	S047	Fertilizer Cessation	FDOT O&M fertilizer cessation.	Fertilizer Cessation	Completed	N/A	27,508	N/A	Silver Springs Basin	N/A	N/A	N/A	N/A	N/A	N/A
Villages Center CDD	N/A	S048	Staff Training	Train staff and certain subcontractors to aid in identification of illicit discharges as well as reduce/eliminate illicit discharges and improper disposal of waste internally.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	N/A	Not provided	CDD/ North Sumter County Utility Dependent District/ Sumter Landing CDD	Not provided	N/A
Villages Center CDD	Sumter Landing CDD	S049	Pond Maintenance	Pond maintenance to ensure optimal pollutant removal and verify performance is at design criteria by monthly checks and treating nuisance species such as algae, grasses, hydrilla, spike rush, duckweed, cattails, etc., as necessary.	Stormwater System O&M	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	N/A	Not provided	CCD/ Sumter Landing CDD	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Villages Center CDD	Sumter Landing CDD	S050	Stormwater System Inspections	Routine stormwater system inspections, cleaning, and maintenance performed as needed.	Stormwater System O&M	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	N/A	Not provided	CDD/ Sumter Landing CDD	Not provided	N/A
Town of Lady Lake	DEO	S051	Skyline Dr. Drainage Improvement	Improved stormwater conveyance system. Area covers Skyline Dr. north to Ray St., west to Summit St., and east to High St..	Stormwater System Rehabilitation	Completed	2014	Not provided	N/A	Silver Springs Basin	N/A	\$1,300,000	Not provided	Town/ DEO	Not provided	N/A
Town of Lady Lake	DEP/ City of Ocala (Potentially)	S052	Lady Lake Stormwater System Maintenance	Townwide curb and gutter cleaning and catch basin vacuuming. Removes pollutants and debris before entering storm sewer system. Benchmark frequency for this routine maintenance is quarterly or as needed.	BMP Clean Out	Completed	N/A	Not provided	N/A	Silver Springs Basin	N/A	N/A	Not provided	Town	Not provided	N/A
FDOT District 5	N/A	S053	SR40 Stormwater Pump Station O&M	O&M of pump station and collection system constructed as part of Marion County portion of Silver/Springs River Pollution Reduction Project. Activities include servicing and repair of pump station and clean out of accumulated sediment. Construction cost is FDOT contribution to Marion County project. Treated acres are portion of drainage area in FDOT rights-of-way.	Stormwater System O&M	Completed	N/A	249	33	Silver Springs Basin	42.6	\$595,927	Not provided	State Legislature	Not provided	N/A
City of Belleview	N/A	S054	Collection System Maintenance Program	Rehabilitation of 200 brick manholes to date and pipe replacement as needed.	Sanitary Sewer and WWTF Maintenance	Completed	2010	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocala	N/A	S055	Collection System Maintenance Program	Maintenance program has used TV inspection on entire collection system. Slip lining of 175,000 ft of clay pipe is complete and 40,000 ft/yr scheduled through 2020. Lift stations are upgraded at rate of about 3 per yr. System and plants are	Sanitary Sewer and WWTF Maintenance	Completed	2020	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A

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				SCADA controlled and flows can be rerouted.												
Marion County Utilities	N/A	S056	Collection System Maintenance Program	Collection system maintenance program includes lift station maintenance and addition of SCADA. Capital improvement plan (CIP) calls for lift station renovation every 10 yrs and identifies pipe replacement needs. Pipes replaced as funding allows.	Sanitary Sewer and WWTF Maintenance	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	N/A	Not provided	Not provided	Not provided	N/A
Villages Center CDD	North Sumter County Utility Dependent District, CSU	S057	Sanitary Sewer Repairs	Inspection of main pipelines and manholes and timely repair of sewer and service line breaks.	Sanitary Sewer and WWTF Maintenance	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	N/A	Not provided	CDD/ North Sumter County Utility Dependent District/ CSU	Not provided	N/A
Villages Center CDD	North Sumter County Utility Dependent District/ CSU	S058	Sanitary Sewer Cleaning	Cleaning of 10 % of collection system/yr.	Sanitary Sewer and WWTF Maintenance	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	N/A	Not provided	CDD/ North Sumter County Utility Dependent District/ CSU	Not provided	N/A
Villages Center CDD	North Sumter County Utility Dependent District/ CSU/ Sumter Water Conservation Authority	S059	Lift Station Rehabilitation	VCSA Lift Station No. 12 Rehabilitation.	Sanitary Sewer and WWTF Maintenance	Completed	2013	N/A	N/A	Silver Springs Basin	N/A	\$75,000	N/A	CDD/ North Sumter County Utility Dependent District/ CSU/ Sumter Water Conservation Authority	Not provided	N/A
Villages Center CDD	N/A	S060	Lift Station Rehabilitation	VCSA Lift Station Nos. 4, 8, 13, and 14 Rehabilitation	Sanitary Sewer and WWTF Maintenance	Completed	2014	N/A	N/A	Silver Springs Basin	N/A	\$150,000	N/A	CDD	\$150,000	N/A
Villages Center CDD	N/A	S061	Lift Station Rehabilitation	VCSA List Station Nos. 16 and 33 Replace risers and recoat wetwell; LSSA List Station No. 16 Replace risers and recoat wet well.	Sanitary Sewer and WWTF Maintenance	Completed	2016	N/A	N/A	Silver Springs Basin	N/A	\$118,000	N/A	CDD	\$118,000	N/A
Villages Center CDD	N/A	S062	Sanitary Sewer Replacement	VCSA Sanitary Sewer Replacement.	Sanitary Sewer and WWTF Maintenance	Completed	2016	N/A	N/A	Silver Springs Basin	N/A	\$250,000	N/A	CDD	\$250,000	N/A

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Villages Center CDD	N/A	S063	Street Sweeping	All shopping centers and all 3 downtown areas anywhere from 3 times per week to quarterly, depending on location.	Street Sweeping	Completed	N/A	Not provided	N/A	Silver Springs Basin	N/A	N/A	Not provided	Villages Center CDD	Not provided	N/A
FDOT District 2	City of Gainesville	S064	SR Street Sweeping	Street sweeping of state roads in urbanized areas that have curb and gutter. Includes US Hwy. 441, SR 26, SR 20, SR 24, SR 128, SR 222, and SR121. Areas are swept by City of Gainesville and contract personnel for FDOT. Minimum benchmark sweeping frequency is quarterly. Performance benchmark for debris and sediment collected is 125 tons/yr. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	6,110	2,251	Silver Springs Basin	N/A	N/A	Not provided	Not provided	Not provided	N/A
Town of Lady Lake	N/A	S065	Lady Lake – Street Sweeping	Townwide street sweeping to remove dirt and debris. Benchmark frequency is quarterly or as needed. Removal of debris and potential pollutants prevents their entry into lakes. Performance benchmark is 250 cubic yds/yr of material removed.	Street Sweeping	Completed	N/A	12	N/A	Silver Springs Basin	N/A	N/A	\$25,000	Town	Not provided	N/A
DEP	U.S. Geological Survey (USGS)	S066	Groundwater-Surface Water Interaction Study Lake Lochloosa Area, Alachua and Marion Counties	Lake Lochloosa and Orange Lake Watersheds. Study examined groundwater pathways through which nutrients enter Lakes Lochloosa and Orange. Field investigations to determine levels of TP and TN in different aquifers associated with land use categories. Radon studies performed to estimate groundwater seepage into Lake	Study	Completed	2007	N/A	N/A	Silver Springs Basin	N/A	\$64,000	N/A	USGS	\$64,000	N/A

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				Lochloosa. Benefits: Better estimation of groundwater inputs of TP in TMDL models.												
SJRWMD	UF	S067	SJRWMD Springs Protection Initiative Science (SPIS)	<p>SJRWMD has initiated Springs Protection Initiative and recognizes effort as strategic priority for agency. Initiative includes 3 major components: projects, regulation, and science. Science component (SPIS) acknowledges that effective management of springs requires understanding of relative influences and manageabilities of numerous natural and anthropogenic factors that affect their ecological health, and that additional interdisciplinary research is needed to achieve this goal. Workgroups include Springshed Supergroup (Surface Water, Ground Water, and Nitrogen Biogeochemistry) and Springs Ecosystem Supergroup (Hydrology and Hydrodynamics, Biology, and Physicochemistry). Also, WMD has contracted with UF Water Institute for support. Work will focus on Silver Springs system and its springshed. Interdisciplinary workgroups will build on existing work and develop and merge data and models focusing on goal of providing sound scientific foundation for development of cost-effective approaches for management of activities to address issues in Silver</p>	Study	Completed	2017	N/A	N/A	Silver Springs Basin	N/A	Not provided	N/A	SJRWMD	Not provided	N/A

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				Springs. Findings and results of 3-yr effort are expected to support future BMAP activities.												
SJRWMD	USGS	S068	SJRWMD Water Resource Information and Data Collection	SJRWMD has core monitoring in/on Silver Springs, Silver River, and contributing area to Silver Springs. Core monitoring consists of discharge monitoring, surface and groundwater levels, surface water and groundwater quality, and biological monitoring. As part of Springs Protection Initiative, WMD has added discharge monitoring site, increased number and sampling frequency of surface water and groundwater quality sites, increased biological monitoring, and added continuous water quality monitoring at 5 sites in Silver River. Upon conclusion of SPIS, some monitoring sites were eliminated.	Monitoring/ Data Collection	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	N/A	Not provided	SJRWMD	Not provided	N/A
ACEPD	City of Gainesville/ FDOT District 2	S069	Water Quality Protection BMP Training	Alachua County. Training and education for contractors, government, and citizens in sedimentation and erosion control to improve stormwater quality.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	N/A	\$2,000	Gainesville Clean Water Partnership Cost-Share	Not provided	N/A
ACEPD	City of Gainesville/ FDOT District 2	S070	Pet Waste Outreach	Alachua County. Implement social marketing campaign to motivate citizens to scoop, bag, and trash dog wastes at home and in community. Benefits: Reduces bacteria and nutrient sources in all watersheds. Implements Alachua County Comp Plan Conservation and Open Space Element –	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	\$40,655	Not provided	Gainesville Clean Water Partnership Cost-Share	Not provided	N/A

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				Surface Water Systems Objective 4.6.												
ACEPD	City of Gainesville/ FDOT District 2	S071	Landscape Debris Social Marketing	Alachua County. Implement social marketing campaign designed to get citizens to keep landscaping debris out of roads and stormwater collection systems. Benefits: Reduces bacteria and nutrient sources in all watersheds. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Education Efforts	Completed	2010	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Gainesville Clean Water Partnership Cost-Share	Not provided	N/A
ACEPD	City of Gainesville/ FDOT District 2	S072	Water Conservation and LID	Alachua County. Conduct targeted public outreach to encourage water conservation and rain harvesting. Includes rain barrel sales and LID promotion. Benefits: By harvesting rainwater and keeping stormwater on site, stormwater and pollutants it transports is decreased.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Gainesville Clean Water Partnership Cost-Share	Not provided	N/A
ACEPD	City of Gainesville/ FDOT District 2	S073	Quantifying Nutrient Improvement in Street Sweeping	Gainesville urban area and Alachua County. Monitor and assess street sweepings to quantify nutrient reductions and subsequent potential water quality improvements. Benefits: Provide data to quantify nutrients in street sweepings and assess potential for water quality improvement. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6 and policies.	Education Efforts, Monitoring/ Data Collection	Completed	2016	N/A	N/A	Silver Springs Basin	N/A	\$38,940	Not provided	Gainesville Clean Water Partnership Cost-Share	Not provided	N/A

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ACEPD	City of Gainesville/ FDOT District 2	S074	Landscaping Behavior Change Social Marketing	Gainesville urban area and Alachua County. Alachua County. Implement social marketing campaign designed to get citizens to make landscaping behavior changes that reduce nutrients in stormwater. Benefits: Reduces nutrient sources in all watersheds. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6. Benefits: Behavior changes to reduce nutrient inputs to stormwater; implement Alachua County Comp Plan Conservation and Open Space Element – Education and Outreach Objective 2.2; Surface Water Systems Objective 4.6; Alachua County Unified Land Development Code (ULDC), Chapter 407 Article 4 Landscaping – 406.43 Water Resources Buffers; ULDC Article 9 Stormwater Management.	Education Efforts	Underway	TBD	N/A	N/A	Silver Springs Basin	N/A	Not provided	\$25,000	Gainesville Clean Water Partnership Cost-Share	Not provided	N/A
Villages Center CDD	North Sumter County Utility Dependent District	S076	Stormwater Management-Amenity Bill Inserts	Amenity bill inserts to address what residents can do to reduce stormwater impacts.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	\$2,600	CDD/ North Sumter County Utility Dependent District	Not provided	N/A
Villages Center CDD	Villages Media Group/ North Sumter County Utility Dependent District	S077	Stormwater Management-Telephone Book Aid	Villages public service telephone book aid explaining purpose of stormwater program and how to participate in stormwater activities.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CDD/ North Sumter County Utility Dependent District	Not provided	N/A
Villages Center CDD	Villages Media Group	S078	Stormwater Management-Public Service Newspaper Column	Created public service newspaper column in Villages newspaper to create awareness of effects of illicit	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Villages	Not provided	N/A

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				discharges and illegal disposal.												
Villages Center CDD	North Sumter County Utility Dependent District/ CSU/ Sumter Water Conservation Authority/ UF-IFAS	S079	Stormwater Management-CDD School/ Hometown Social	Monthly public educational meeting with residents.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	\$6,000	CDD/ North Sumter County Utility Dependent District/ CSU/ Sumter Water Conservation Authority	Not provided	N/A
Villages Center CDD	North Sumter County	S080	Illicit Discharge Awareness Notifications	Provide illicit discharge awareness notifications and educational material to area businesses to make them aware of hazards associated with illicit discharges and improper disposal of waste.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	\$250	CDD/ North Sumter County Utility Dependent District	Not provided	N/A
Villages Center CDD	Sumter Landing CDD	S081	Stormwater Pollution on Website	Section of district website for residents provides education and links on stormwater pollution.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CDD/ Sumter Landing CDD	Not provided	N/A
Town of Lady Lake	N/A	S082	Lady Lake NPDES Permit Education and Outreach	Town of Lady Lake uses consultant for education and outreach. Activities include PSAs in cooperation with City of Leesburg and SJRWMD, distribution of pamphlets, educational website, illicit discharge inspection and education program, utility bill inserts, and informational displays for proper irrigation techniques and landscape management.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	\$7,500	Town	Not provided	N/A
Lake County Public Works	N/A	S083	Lake County NPDES Permit Education and Outreach	Activities include distribution of pamphlets and recurring and nonrecurring public outreach events. Other efforts include construction site pollution prevention, illicit discharge inspection and education, resource support of County Extension training in FFL/FYN and Adopt-a-	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	\$12,000	Lake County	Not provided	N/A

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				Lake Program, formerly Watershed Action Volunteers (WAV) Program.												
Lake County Public Works	N/A	S084	Landscaper BMP training	Landscaper education about BMPs for landscapers and those who hire landscapers. Seminar was held in cooperation with Lake County Agricultural Center to educate landscapers about BMPs and BMP brochures were mailed out countywide to landscape companies.	Education Efforts	Completed	2010	N/A	N/A	Silver Springs Basin	N/A	\$1,276	N/A	County	\$1,276	N/A
City of Ocala	DEP/ City (Potentially)	S085	SkimBoss Filtration System – Tusawilla Pond	Addresses drainage well discharge. Retrofit Installation of SkimBoss Filtration System with Bold and Gold™ media – Tusawilla Pond.	Drainage Well	Underway	2019	1,320	309	Silver Springs Basin	336.0	\$236,397	\$5,000	Section 319(h) Grant/ City Stormwater Utility Fees	Not provided	Not provided
City of Ocala	DEP/ City (Potentially)	S086	SkimBoss Filtration System – Chazal Park Pond	Addresses drainage well discharge. Retrofit Installation of SkimBoss Filtration System with Bold and Gold™ media – Chazal Park Pond.	Drainage Well	Underway	2019	104	N/A	Silver Springs Basin	73.0	\$236,397	\$5,000	Section 319(h) Grant/ City Stormwater Utility Fees	Not provided	Not provided
City of Ocala	DEP/ FDOT/ City	S087	Silver Springs Protection/ Stormwater Nutrient Reduction Project (Cameo Pond)	Addresses surface water discharge. Silver Springs Protection/Stormwater Nutrient Reduction Project.	Not provided	Underway	2018	460	N/A	Silver Springs Basin	91.0	\$3,000,000	\$10,000	TMDL/ FDOT/ City Stormwater Utility Fees	Not provided	Not provided
Marion County Office of the County Engineer	N/A	S088	Bold and Gold™ Stormwater Retrofits in Silver Springs BMAP Area	Project proposes \$1,400,000 through FY 2019 for retrofit of county-owned drainage retention areas in Silver Springs BMAP area. Number and location of DRAs retrofitted depends on several factors including potential load reductions, land availability and location in PFAs identified in BMAP. Project is currently in preliminary scoping stages and is	Retention BMP Retrofit with Nutrient Reducing Media	Underway	2019	Not provided	N/A	Silver Springs Basin	Not provided	\$1,400,000	Not provided	County Stormwater Assessment	\$1,400,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				identified in adopted 2014 Stormwater Implementation Plan.												
DEP – Division of Recreation and Parks	N/A	S089	Silver Springs State Park Management Plan Amendment – Runoff	Management plan for Silver Springs State Park was formally amended in May 2014 to account for inclusion of former Silver Springs attraction into Silver River State Park. In addition to change in park name, management goals were developed to improve water quality, specifically to remove nitrate from surface discharges. Removal of animals and animal enclosures on Ross Allen Island will reduce nitrate inputs to Silver River and allow for existing water retention berm to be breached to reconnect wetlands to river. Evaluation of stormwater management system of park and amount of impervious area, particularly in parking lots, will also be undertaken. Impervious areas in parking lots and buildings will be removed and restored to natural communities. Sheet flow will be restored and stormwater system improved and maintained.	Study	Planned	Not provided	N/A	N/A	Silver Springs Basin	N/A	Not provided	N/A	DEP	Not provided	Not provided
DEP- Division of Recreation and Parks	N/A	S090	Silver Springs State Park Management Plan Amendment – State Park Sewer Connection	Management plan for Silver Springs State Park was formally amended in May 2014 to account for inclusion of former Silver Springs attraction into Silver River State Park. In addition to change in park name, management goals were developed to connect park services in former Silver River State	Septic Tank Phase Out	Completed	2015	2,018	N/A	Silver Springs Basin	N/A	\$977,490	Not provided	DEP	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Park to central sewer, eliminating nitrate inputs to aquifer and Silver River.												
City of Ocala	Not provided	S091	City of Ocala Nitrogen Reduction Project	Upgrade of WRF #2 to AWT treatment standard for TN and decommissioning of WRF #1. WRF #1, constructed in 1949, is trickling filter facility and is not designed for removal of nitrate. WRF #2 and #3 have sufficient capacity to handle flows from WRF #1, and all plants will be interconnected to allow for routing of flows as needed. WRF #1 will remain operational as relay and to process stormwater for reuse.	WWTF Nutrient Reduction	Completed	2016	42,311	N/A	Silver Springs Basin	N/A	\$16,000,000	Not provided	City	City – \$9,600,001	Not provided
City of Ocala	SJRWMD	S092	City of Ocala WRF 2 Nutrient Reduction Plan	Upgrade existing WWTF to allow for advanced treatment and expand availability of reclaimed water for irrigation use. Project consists of construction of 2 3.25 mgd carousels equipped with 3 100-horsepower mechanical surface aerators with variable-frequency drives (VFDs) and lower impeller and anaerobic and anoxic zone submersible mixers. This will allow City of Ocala to reduce effluent TN to 3 mg/L or less; 500,000 gallons of day of public access reclaimed water will be made available from project, reducing draws on aquifer and increasing flows to springs.	WWTF Nutrient Reduction, Reclaimed Water	Completed	2016	27,593	N/A	Silver Springs Basin	N/A	\$12,144,000	Not provided	City/ SJRWMD/ Legislative Funding	City – \$8,304,000 SJRWMD – \$1,920,000 Legislative Funding – \$1,275,620	N/A
DEP – Division of Recreation and Parks	N/A	S093	Silver Springs State Park Management Plan	Management plan for Silver Springs State Park was formally amended in May 2014 to account for	WWTF Upgrade	Planned	TBD	Not provided	N/A	Silver Springs Basin	N/A	\$1,976,335	N/A	DEP	\$1,976,335	S089

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			Amendment – Sewer Upgrades	inclusion of former Silver Springs attraction into Silver River State Park. In addition to change in park name, management goals were developed to provide maintenance of sewer system for former attraction. Existing system was in poor repair, potentially leaking nitrogen to headspring and river.													
Marion County Parks	N/A	S094	Sports Field Maintenance Equipment Washdown Area	DEP has developed BMPs for Enhancement of Environmental Quality on Florida Golf Courses manual, which highlights BMPs that can be implemented to offset impacts of golf courses on environment. Active sports complexes can have same impacts. One commonly used BMP is construction of closed system equipment washdown area. Similar facilities would allow Parks staff to wash down mowers and other equipment which have been used while maintaining sports fields. Four sites (Brick City Adventure Park, Rotary Sportsplex, Shocker Park and Ralph Russell Memorial Park) are all within 10 mi of Silver Springs and therefore should receive higher priority for scheduling construction of washdown facilities.	Regulations, Ordinances, and Guidelines	Planned	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County General Fund	Not provided	N/A	

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Parks	N/A	S095	Parks Retention Pond Retrofits	Project is inventory of stormwater facilities in Marion County Parks to identify and prioritize them for potential retrofits to enhance nitrogen removal. Retrofits would involve removing layer of soil from bottom of basins and then constructing engineered soil matrix. Project goal is to retrofit specific stormwater basins to reduce groundwater pollution. Inventory will be conducted using GIS asset management tools.	Study	Planned	Not provided	N/A	N/A	Silver Springs Basin	N/A	Not provided	N/A	County General Fund	Not provided	N/A
Marion County Parks	N/A	S096	Septic System Connection Removal in County Parks	Project focuses on removal of OSTDS and connection to centralized wastewater facilities. A few parks in BMAP area are close to existing or planned wastewater facilities (Brick City Adventure Park, Rotary Sportsplex, and Baseline Rd. Trailhead). Project goal would be to remove as many septic systems within area as possible.	Septic Tank Phase Out, Wastewater Service Area Expansion	Completed	Not provided	72	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County General Fund	Not provided	N/A
Marion County Parks	N/A	S097	Gore's Landing Package Plant Upgrade	DEP has 1 package plant wastewater facility located at Gore's Landing, flood-prone area located along Ocklawaha River. Current system is antiquated, may not meet current sewage disposal standards and should be upgraded. Project goal is to bring existing sewage treatment system into compliance with current standards and regulations while being mindful of potential park expansion. Exact dollar figures for	Wastewater System Upgrade	Planned	Not provided	45	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County General Fund	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				project are currently unknown.												
Marion County Utilities	SJRWMD/ Legislature	S098	SSS Reuse to Spruce Creek Golf and Country Club	<p>South Portion – Project will provide for delivery of reclaimed quality effluent and consists of reclaimed pumps, control valves, metering stations and 21,600 ft of 16-in pipeline from SSS WWTP to Spruce Creek Golf and Country Club (SCGCC) golf course located in southeast quadrant of Marion County 12 to 14 mi from Silver Springs. SSS WWTP is currently permitted to treat 1.5 mgd and has potential of generating close to 1.0 mgd of reuse quality water based on current flows. Removes 54,794 lbs-TN/yr. \</p> <p>North Portion – Project will provide for delivery of reclaimed quality effluent and consists of reclaimed pumps, control valves, metering stations and 8,000 ft of 12-in pipeline from SSS WWTP to SSS golf course and Lake Diamond located in southeast quadrant of Marion County 7 to 10 mi from Silver Springs. SSS WWTP is currently permitted to treat 1.5 mgd and has potential of generating close to 1.2 mgd of reuse quality water based on current flows. This will reduce use of potable water for irrigation, improve flow at Silver Springs, and reduce nutrient load to</p>	Reclaimed Water	Underway	2015 – 2017	54,794	N/A	Silver Springs Basin	N/A	\$3,192,000	Not provided	SJRWMD/ Florida Legislature	SJRWMD – \$1,596,000 Legislative Funding – \$1,275,620	N/A

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				Silver Springs and Silver River.												
Marion County Parks	N/A	S099	Marion/Aquifer-Friendly Fertilization Program for Sports Facilities	Project goal is to develop method of maintaining 67.77 ac (Wrigley Fields, Brick City Adventure Park, Shocker Park, Rotary Sportsplex, Ralph Russell Memorial Park, and Belleview Sportsplex) of sports fields to reduce, if not eliminate, pollutant loading while keeping fields healthy and safe. Program includes creation and use of specific fertilizer formulas on playing fields at various sports complexes that Parks Dept. manages.	Fertilizer Reduction	Planned	N/A	Not provided	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County General Fund	Not provided	N/A
Lake County Growth Management	N/A	S100	Lake County Landscaping Ordinance	Landscaping Ordinance 2009-062 implements Water Wise and FFL, tree protection, and buffer requirements: Codified into LDR.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County	Not provided	N/A
Lake County Growth Management	N/A	S101	Lake County Irrigation Ordinance	Irrigation Ordinance 2009-17 implements SJRWMD watering requirements and encourages water efficient landscape design: Codified into LDR.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County	Not provided	N/A
Town of Lady Lake	N/A	S102	Lady Lake Landscape Requirements	County codes and ordinances require FFL principles to be applied in design and of landscapes and irrigation systems. Fertilizer application restrictions require 30 % or more slow-release nitrogen and restrict frequency to "as needed."	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Town	Not provided	N/A
Town of Lady Lake	N/A	S103	Lady Lake Irrigation Schedules	SJRWMD irrigation schedule is adopted, specific water conservation measures are	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Town	Not provided	N/A

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				encouraged, and 7 basic principles of water-efficient landscaping are incorporated. Intent is to establish minimum standards for development, installation, and maintenance of landscaped areas onsite with water use efficiency as goal without inhibiting use of creative landscape design.												
Town of Lady Lake	N/A	S104	Lady Lake Pet Waste Management	County code related to illicit discharges includes provisions requiring removal of pet waste.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Town	Not provided	N/A
Villages Center CDD	N/A	S105	VCSA WWTP – SCADA	SCADA installation and operation at VCSA plant and collection system lift stations.	WWTF Upgrade	Completed	Not provided	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CDD	Not provided	N/A
Villages Center CDD	N/A	S106	LSSA WWTP – SCADA	SCADA installation and operation at LSSA plant and collection system lift stations.	WWTF Upgrade	Completed	Not provided	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CDD	Not provided	N/A
Villages Center CDD	N/A	S107	NSU WWTP – SCADA	SCADA installation and operation at NSU plant and collection system lift stations.	WWTF Upgrade	Completed	Not provided	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CDD	Not provided	N/A
Villages Center CDD	CSU	S108	CSU WWTP – SCADA	SCADA installation and operation at CSU plant and collection system lift stations.	WWTF Upgrade	Completed	Not provided	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CSU	Not provided	N/A
Marion County Utilities	Not provided	S109	Package Plant Abatement	Baseline Square, Truck stops at CR 326 and I-75 package plants connected to central system. Removes 412 lbs TN/yr.	Package Plant Phase Out, Wastewater Service Area Expansion	Completed	2015	412	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
ACEPD	U.S. Dept. of Agriculture (USDA) Farm and Ranch Land Protection Program (FRPP)	S110	Cypress Point Creamery Land Acquisition	No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Completed	2014	N/A	N/A	Silver Springs Basin	600.0	\$461,000	N/A	Wild Spaces and Public Places Surtax/ FRPP Cost-Share	Not provided	N/A

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ACEPD	USDA FRPP	S111	Higginbotham Ranch Acquisition	No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Completed	2014	N/A	N/A	Silver Springs Basin	600.0	\$756,000	N/A	Wild Spaces and Public Places Surtax/ FRPP Cost-Share	Not provided	N/A
DEP, FDOH, Marion County	Local Utilities/ SJRWMD/ SWFWMD/ Other Interested Parties	S112	OSTDS 9-1-1 Strategy	Develop strategy for addressing OSTDS and other wastewater management issues. Goal is to enhance communication and coordination among utilities and agencies.	Study	Underway	2018	N/A	N/A	Silver Springs Basin	N/A	Not provided	N/A	Not provided	Not provided	Not provided
Marion County Parks	N/A	S113	Silver Springs Sandhill Acquisition	Marion County has applied to have Silver Springs Sandhill acquisition project added to Florida Forever list. Project would preserve 470 ac of high-recharge sandhills within 1 mi of Silver Springs. Project is located just south of Indian Lake State Forest and east of Cohadjoe Park (county). Majority of acreage is zoned for medium- and high-density residential use, but 221 ac are currently used for improved cattle, with balance in pasture unmanaged hardwoods. Acquisition has been assigned to third-party nonprofit organization to close sale. Site has been acquired and is under management by Marion County Parks and Recreation. Consultants are being solicited to write state-required Unit Management Plan.	Land Acquisition	Completed	2017	N/A	N/A	Silver Springs Basin	470.0	\$4,432,979	N/A	Florida Forever/ County	Not provided	N/A

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SJRWMD	DEP/ Marion County	S114	Silver Springs Forest	Project involves acquisition of 4,900 ac of managed forest land, owned by Rayonier, east of Indian Lake State Forest and west of CR 315. Acquired land will be restored to appropriate ecosystem and opened for recreational use. Tract is identified in Heather Island Florida Forever Project and as U.S. Forest Service Forest Legacy Project: Silver Springs Watershed (Phase 1).	Land Acquisition	Completed	2016	N/A	N/A	Silver Springs Basin	4,900.0	\$11,617,000	N/A	DEP/ SJRWMD/ Marion County	DEP – \$2,000,000 SJRWMD – \$8,700,000 Marion County – \$917,000	Not provided
City of Ocala	N/A	S115	Miscellaneous Water and Sewer	Miscellaneous extension of existng water, sewer, and reuse facilities to provide services.	Wastewater Service Area Expansion, Reclaimed Water	Underway	2020	Not provided	N/A	Silver Springs Basin	N/A	\$500,000	Not provided	City	\$500,000	N/A
City of Ocala	N/A	S116	Sanitary sewer smoke testing, TV inspecting, and lining program	Smoke testing and inspection of existing sanitary sewer system	Sanitary Sewer and WWTF Maintenance	Underway	2020	N/A	N/A	Silver Springs Basin	N/A	\$3,000,000	N/A	City	\$3,000,000	N/A
Marion County Parks	Not provided	S117	Heather Island Conservation Easement	Project would establish conservation easement on 5,223 ac of privately owned forest land east of CR 315 along Oklawaha River. Tract is part of Heather Island Florida Forever project and is identified as Phase 2 of Silver Springs Watershed Forest Legacy project. Land has been aquired by SJRWMD with plans for surface water improvements underway.	Land Acquisition	Completed	2016	N/A	N/A	Silver Springs Basin	5,223.0	Not provided	N/A	Not provided	Not provided	Not provided
City of Fruitland Park	Not provided	S118	Fruitland Park WWTF Decommisioning	Remove existing WWTF from service. Construct lift station to allow transfer of wastewater to Lady Lake for treatment. Improved treatment at Lady Lake facility.	WWTF Upgrade	Underway	2020	1,506	N/A	Silver Springs Basin	N/A	\$1,500,000	Not provided	Not provided	Not provided	Not provided
City of Fruitland Park	N/A	S119	Construction of New WWTF	New WWTF constructed with improved treatment and SCADA system.	WWTF Nutrient Reduction	Canceled	N/A	N/A	N/A	Silver Springs Basin	N/A	N/A	N/A	N/A	N/A	N/A

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				Expected 9 to 10 yrs for project completion.												
City of Fruitland Park	N/A	S120	Street Sweeping and Storm Drain Inlet Cleaning	Sweep streets 4 times/yr and clean out 12 storm drain inlets.	Street Sweeping	Completed	N/A	Not provided	N/A	Silver Springs Basin	N/A	N/A	Not provided	City	Not provided	N/A
City of Fruitland Park	N/A	S121	Fruitland Park NPDES Permit Education and Outreach	Landscaping, irrigation, fertilizer, and pet waste ordinances. City of Fruitland Park uses consultant for education and outreach. Activities include PSAs in cooperation with City of Leesburg and SJRWMD, distribution of pamphlets, educational website, illicit discharge inspection and education program, utility bill inserts, and informational displays for proper irrigation techniques and landscape management.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	City	Not provided	N/A
Putnam County	N/A	S122	Education and Outreach	Provide educational materials including information about importance of protecting Silver Springs and implementing small farm equine BMPs at Ft. Gates Ferry kiosks and at agricultural center and county fair.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County	Not provided	N/A
Marion County Office of the County Engineer	N/A	S123	SSS Unit 55 Stormwater Retrofit	Project will retrofit two drainage retention areas in SSS Unit 55 with nitrogen-reducing Bold and Gold™ media. Both DRAs are adjacent to Baseline Golf Course. In addition to surface runoff from SSS Unit 55, runoff is also discharged into DRAs from golf course through pipes and as overland flow. retrofit will prevent 106 lbs of TN from reaching aquifer annually.	Retention BMP Retrofit with Nutrient Reducing Media	Underway	2016	106	N/A	Silver Springs Basin	30.1	\$370,000	Not provided	County Stormwater Assessment	\$370,000	N/A

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City of Ocala	DEP/ City of Ocala	S124	City of Ocala – Retrofit Installation of SkimBoss Filtration System with Bold and Gold™	Installation of SkimBoss Filtration Systems using Bold and Gold™ media to treat water leaving ponds and flowing into recharge wells at 613 SE 13th Ave., NE 10th St @ 1200 Block, NE 14th St. and 12th Ct.	Drainage Well	Underway	2019	610	N/A	Silver Springs Basin	140.0	\$485,650	\$15,000	TMDL/ FY 2016 Legislative Appropriation/ City Stormwater Utility Fees	Not provided	Not provided
FDOT District 2	N/A	S125	Fertilizer Cessation	FDOT O&M fertilizer cessation.	Fertilizer Cessation	Completed	N/A	4,273	N/A	Silver Springs Basin	N/A	N/A	N/A	N/A	N/A	N/A
Town of McIntosh	N/A	S126	Town of McIntosh Education and Outreach	Town provides information at city hall about FFL, OSTDS maintenance, and agricultural BMPs.	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	Town	Not provided	N/A
City of Belleview	N/A	S127	Sanitary Sewer and Water Main Loop along SE 132nd from US Hwy. 441/27 to CR 484	Economic engine to promote residential and commercial growth along SE 132nd St. (Belleview Beltway).	Wastewater Service Area Expansion	Planned	Not provided	Not provided	N/A	Silver Springs Basin	N/A	\$1,300,000	Not provided	Special Legislative Appropriation	Not provided	N/A
City of Belleview	N/A	S128	Provide Reuse Irrigation Water to Belleview Sportplex	Meets requirement of Springs Protection Act by reducing groundwater withdrawals.	Reclaimed Water	Planned	Not provided	N/A	N/A	Silver Springs Basin	N/A	\$500,000	Not provided	City	\$500,000	N/A
City of Belleview	N/A	S129	Providing Water and Sewer to Residents in Utility Service Area Adjacent to and West of SE 92nd Loop	Multiyear project would serve over 1,200 single-family units currently on septic tanks and individual wells between US Hwy. 441 and - new SE 92nd Loop and from SE 105th Pl. south to SE 135th St. Meets requirement of Springs Protection Act by reducing and/or eliminating groundwater withdrawals and septic tank leachates. First year would consist of study to define phases and estimate construction costs of each phase.	Reclaimed Water	Planned	Not provided	28,689	N/A	Silver Springs Basin	N/A	\$100,000	Not provided	Not provided	Not provided	N/A
Marion County Office of the County Engineer	SJRWMD	S130	SSS Unit 7 Stormwater Retrofit – CP #77	Retrofit of drainage retention areas 7244 and 7396 with Bold and Gold™ biosorption	Retention BMP Retrofit with Nutrient-	Planned	2017	318	N/A	Silver Springs Basin	148.0	\$1,400,000	Not provided	County Stormwater Assessment/ SJRWMD Cooperative	Not provided	N/A

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				activated media for nitrogen reduction.	Reducing Media									Funding/ Florida Legislature (Springs Funds)		
Marion County Utilities	SJRWMD/ DEP	S131	Sleepy Hollow Package Plant Abatement (lift station and force main)	Project is being funded via grant from SJRWMD and DEP to remove existing wastewater package plant in subdivision and replace it with new duplex lift station and 1,830 LF of new 6-in force main along SE 4th St. to tie into existing 16-in force main along SE 58th Ave. Nutrient reduction expected from project is 365 lbs/yr nitrates that are currently being discharged from Sleepy Hollow WWTF annually. This will reduce amount of nutrients reaching Silver Springs.	Package Plant Phase Out, Wastewater Service Area Expansion	Underway	2016	365	N/A	Silver Springs Basin	N/A	\$456,025	Not provided	SJRWMD/ County Utilities Funding	SJRWMD – \$309,000 County Utilities Funding – \$117,388.58	Not provided
Marion County Utilities	N/A	S132	CR464 FM	Installation of new 12-in polyvinyl chloride (PVC) force main with valves and appurtenances, using installation methods of open-cut trenching, jack and boring, horizontal directional drilling, to make connections to existing force mains and reconnection of services. Upsizing of force main will allow county to handle future flows at SSS WWTP from OSTDS abatement in primary protection zone for Silver Springs.	WWTF Upgrade	Completed	2015	Not provided	N/A	Silver Springs Basin	N/A	\$654,416	Not provided	County Utilities	\$654,416	N/A
Lake County Public Works	DEP	S133	Erosion Control Inspection Training and Certification	Provide training and exam to private construction and local government employees through qualified county staffer for free annually. Conduct ongoing site inspections for use of erosion control BMPs at	Education Efforts	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County	Not provided	N/A

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				all construction sites throughout unincorporated Lake County. Education of contractors and municipal employees on construction erosion control measures												
SJRWMD	DEP/ Marion County	S134	Silver Springs Forest	Project will address water resources at site and in receiving system with hydrology, attenuation, and sediment transport improvements. Project will provide reduction of turbid water discharges to Silver River and will reduce nutrient loading by up to 13,000 lbs/yr. Evaluation of final project elements is still underway.	Hydrologic Restoration	Completed	2018	TBD	N/A	Silver Springs Basin	4,900.0	\$2,370,000	N/A	SJRWMD/ DEP	SJRWMD – \$1,895,000 DEP – \$475,000	Not provided
City of Ocala	N/A	S135	Wetland Recharge Park	Creation of wetland park that will primarily use treated wastewater, along with some stormwater. Wetland area will be over 30 ac in size and will receive 3 to 5 mgd of treated wastewater/ stormwater. This water will then recharge Upper Floridan aquifer. Plants in wetland area will naturally uptake large portion of excess nutrients. This will potentially reduce nitrogen levels to near zero, along with notable reduction of all TN as well.	Reclaimed Water	Underway	2019	29,000	N/A	Silver Springs Basin	N/A	\$10,000,000	Not provided	SJRWMD Cost-Share/ DEP Springs Funding/ City	Not provided	Not provided
City of Ocala	N/A	S136	Southwood Villas and Lake Weir Sewer Expansion Project	Project objective is to design and construct sanitary sewer system that will remove from service 100 septic tanks from associated single-family residential lots.	Septic Tank Phase Out, Wastewater Service Area Expansion	Planned	2021	TBD	N/A	Silver Springs Basin	N/A	\$1,500,000	Not provided	City	\$1,500,000	N/A

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SJRWMD	N/A	S137	SJRWMD SAV and Algae Monitoring	SJRWMD monitors SAV and algae annually on Silver River between April and June. WMD staff estimate SAV cover by species and algal cover collectively, using 0.25-square-meter quadrats and Braun-Blanquet cover scale. Separate worksheet has been added to file for map and more detail.	Monitoring/ Data Collection	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	N/A	Not provided	SJRWMD	Not provided	N/A
Lake County	N/A	S138	Lake County Enhanced Fertilizer Ordinance	November 2017 Lake County BOCC adopted enhanced fertilizer ordinance. Includes 15-foot application setback from waterbodies, 50 % slow-release content requirement, and summer phosphorus and nitrogen application blackout period from June 1 to Sept. 30.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County	Not provided	N/A
Villages Center CDD	CSU	S139	CSU WWTP – Anaerobic Denitrification	WWTP includes anoxic basin for denitrification of NO ₃ , which reduces NO ₃ discharge in WWTP effluent	Wastewater Nutrient Reduction	Completed	Not provided	Not provided	N/A	Silver Springs Basin	N/A	Not provided	Not provided	CSU	Not provided	N/A
Marion County Utilities	Not provided	S140	Provide Central Sewer Service to Old Platted Subdivision Served by Septic	Siver Springs Shores Subdivision was platted in early 1970s. Existing subdivision has 3,000 platted lots without access to centralized sewer system. Area was divided into 6 phases of 500 lots per phase. It is within Primary Protection Zone (PPZ) for Silver Springs.	Septic Tank Phase Out, Wastewater Service Area Expansion	Planned	Not provided	Not provided	N/A	Silver Springs Basin	N/A	Not provided	Not provided	County Utility Funds/ Grants	Not provided	Not provided
City of Ocala	DEP, State	S141	SkimBoss Filtration System – Chazal Park Pond	Retrofit Installation of SkimBoss™ Filtration System with Bold and Gold™ Media for Lake Anderson, Yum Yum Pond, and Heritage Pond.	Retention BMP Retrofit with Nutrient-Reducing Media	Underway	2019	TBD	TBD	Silver Springs Basin	167.0	\$660,000	Not provided	DEP/ FY Legislative Appropriation/ City	DEP – \$328,000 FY Legislative Appropriation – \$250,000 City – \$82,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County Utilities	Not provided	S142	Provide Central Sewer Service to Major Commercial Corridor	Construct 5,800 LF of 12-in force main, and 9,200 LF of 16-in force main along CR 464. Project will provide infrastructure and capacity to connect future septic to sewer projects to SSS WWTF.	Septic Tank Phase Out, Wastewater Service Area Expansion	Underway	2019	Not provided	N/A	Silver Springs Basin	N/A	\$6,424,210	\$9,724	County Utility Funds/ Grants	Not provided	N/A
Marion County Utilities	Not provided	S143	Provide Central Sewer Service to Major Commercial Corridor	For this phase, project consists of constructing force main through commercial corridor in Silver Springs, Silver River, and Upper Silver River Springshed. Proposed sewer force main will be 17,000 LF of 12-in PVC sewer force main connecting Spruce Creek Golf and Country Club (SCGCC) sewer system to Stonecrest sewer system. This is first project being constructed with overall goal of making service available and providing opportunity for septic to sewer conversions in this corridor. By making connection to central sewer available in corridor, county can avoid additional septic tank installation in Silver Springs Springshed and possible conversion from septic to sewer in future.	Septic Tank Phase Out, Wastewater Service Area Expansion	Underway	2019	Not provided	N/A	Silver Springs Basin	N/A	\$1,791,600	\$7,553	County Utility Funds/ Grants	Not provided	N/A
Marion County Utilities	N/A	S144	SSS WWTP Nutrient and Capacity Improvement	Enhance nutrient removal capabilities to AWT standards and expand capacity at SSS WWTF by 500,000 gallons per day (gpd).	WWTF Upgrade	Underway	2020	TBD	N/A	Silver Springs Basin	N/A	\$6,424,210	\$362,413	County Utility Funds/ Grants	Not provided	N/A

Upper Wakulla River and Wakulla Springs BMAP

Background

The BMAP basin encompasses an area of 848,445 acres, or 1,325 square miles (**Figure B-5**). The Upper Wakulla River and Wakulla Springs are designated as OFWs. The river and springs are a very dynamic groundwater and surface water–fed system. Wakulla Springs, designated as an OFS, is one of the deepest freshwater springs in the world and the primary source of water for the Wakulla River. In the Upper Wakulla River and Wakulla Springs Basin, the Cody Scarp generally separates the semiconfined geologic features to the north (soils characterized with lower potential for groundwater impacts) and areas of unconfined geologic features to the south (highly permeable karst areas with a high potential for groundwater impacts).

DEP determined that the Upper Wakulla River segment is impaired by nitrate; the biological community in the river is affected by excessive algal mats linked to elevated nitrate concentrations from anthropogenic sources. In 2012, DEP adopted the Upper Wakulla River TMDL to reduce nitrate inputs to the river and springs. The TMDL defined the nitrate target as composed of both nitrate and nitrite as nitrogen. The Upper Wakulla River and Wakulla Springs BMAP was adopted in October 2015 to implement the TMDL.

Status of Projects

Through December 31, 2017, 116 projects have been completed. An additional 10 projects that are underway or planned have been added to the BMAP. The projects completed to date are estimated to achieve total reductions of 693,574 lbs/yr of TN.

As an OFS BMAP, additional information will be provided when the BMAP reaches its 5-, 10-, and 15-year milestones. If the milestones, or the 20-year target, will not be met, an explanation of possible causes and potential solutions will be provided. These milestones will be specified in a revised BMAP document. The revised Upper Wakulla River and Wakulla Springs BMAP is scheduled to be readopted by July 1, 2018, to meet the statutory requirements added by the 2016 Florida Legislature.

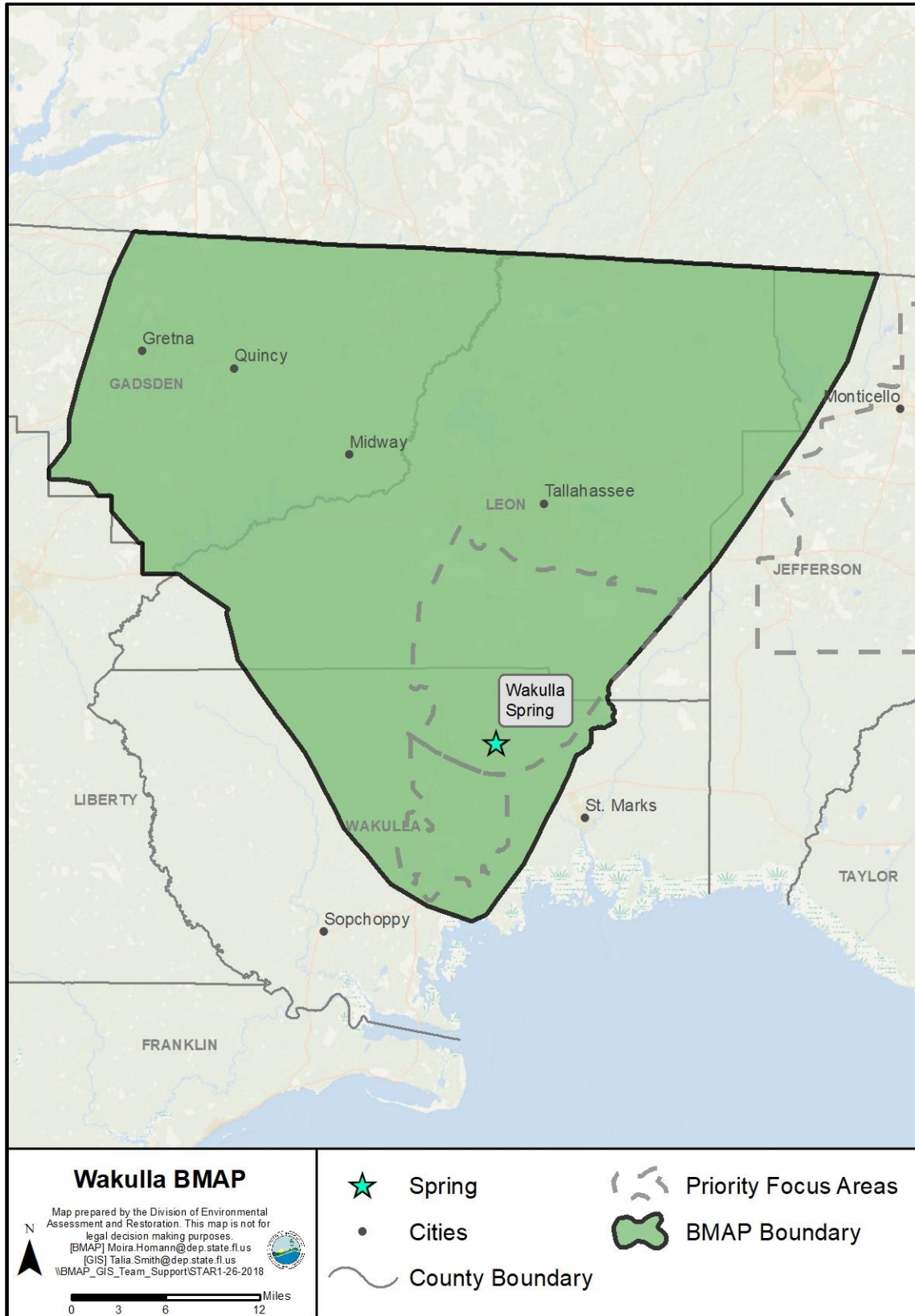


Figure B-5. Upper Wakulla River and Wakulla Springs BMAP area

Table B-5. Upper Wakulla BMAP Projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Gretna	Not provided	CG-001	No Fertilizer Use	Fertilizer is not applied on any city-owned property.	Fertilizer Cessation	Completed	N/A	0	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
City of Quincy	Not provided	CQ-001	City of Quincy WWTF	AWT at WWTF.	WWTF Nutrient Reduction	Completed	2015	0	N/A	Outside	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Quincy	Not provided	CQ-002	LDC – Watershed Conservation Measures	Ordinance that requires minimum stormwater treatment levels and use of BMPs including slow-release fertilizers.	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
City of Quincy	Not provided	CQ-003	Street Sweeping	Sweeping streets in south side of city one week and north side next week.	Street Sweeping	Completed	N/A	TBD	N/A	Outside	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Tallahassee	N/A	COT-001	WWTF Upgrade to AWT	Upgrade to AWT to reduce nitrogen concentration by 75 % at spray field near Tram Rd. and improve quality of reuse.	WWTF Nutrient Reduction	Completed	2012	170,232	N/A	PFA1	N/A	\$227,000,000	\$9,400,000	Not provided	Not provided	N/A
City of Tallahassee	N/A	COT-002	Biosolids Application Elimination	Eliminated biosolids disposal in springshed.	WWTF Management	Completed	2006	372,563	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
City of Tallahassee	N/A	COT-003	Assessment and Rehabilitation of Sewer Collection System	Project consists of assessment and rehabilitation of sewer collection system.	Sanitary Sewer and WWTF Maintenance	Completed	2011	N/A	N/A	PFA1	N/A	\$10,000,000	Not provided	Not provided	Not provided	N/A
City of Tallahassee	N/A	COT-004	Fertilizer Use Ordinance (08-072AA)	Standard fertilizer ordinance credit from Education Credit Workbook.	Regulations, Ordinances, and Guidelines	Completed	N/A	108	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
City of Tallahassee	N/A	COT-004a	Fertilizer Use Ordinance (08-072AA)	Credit above and beyond standard credit for ordinances based on survey. Households that applied fertilizer (2007 vs. 2012) decreased 49 %, level of nitrogen applied per household decreased 27 %.	Regulations, Ordinances, and Guidelines	Underway	N/A	177	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
City of Tallahassee	N/A	COT-005	Public Education for Stormwater, Fertilizer, and Pet Waste	Public education using various media resources to promote behavioral changes for individuals and businesses to conserve water and reduce or eliminate pollution impacts to surface water and groundwater.	Public Education Efforts	Completed	N/A	216	N/A	PFA1	N/A	\$1,700,000	N/A	N/A	N/A	N/A
City of Tallahassee	N/A	COT-006	Spray Field Fertilizer Application	Eliminated fertilizer application on spray field (in springshed).	Fertilizer Cessation	Completed	N/A	48,708	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Tallahassee	N/A	COT-007	Pet Waste Ordinance (Number 10-0-15AA)	34 % of dog owners began picking up after their pets.	Regulations, Ordinances, and Guidelines	Completed	N/A	108	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
City of Tallahassee	N/A	COT-008	Stormwater Improvement Projects	Conveyance improvements.	Regional Stormwater Treatment	Completed	2012	8	N/A	PFA1	Not provided	\$990,000	N/A	N/A	N/A	N/A
City of Tallahassee	N/A	COT-009	Primary Springs Protection Zone (PSPZ) Ordinance (08-0-68AA)	Identifies PSPZ where development must meet more stringent requirements.	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
City of Tallahassee	N/A	COT-010	Comprehensive Plan Provisions (Conservation Element Policy 4.2.5)	Reduced allowed development in urban fringe inside PSPZ.	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
City of Tallahassee	Leon County	COT-011/LC-029	Alternatives to Sewer Solutions Study	Study and develop preferred options for management alternatives to traditional OSTDS in unincorporated areas of Leon County, including PSPZ; identify preferred options for responsible management entities, including recommendations for financing and management structure for identified preferred options; identify other issues related to sewage treatment and disposal system financing.	Study	Planned	2019	N/A	N/A	PFA1	N/A	Not provided	N/A	Not provided	Not provided	N/A
City of Tallahassee	N/A	COT-012	Stormwater Treatment Projects	79 stormwater projects citywide (outside PFA1) completed since 2004, examples include Lower CDD, Frenchtown Pond, and Emory Court, Weems Pond projects.	Regional Stormwater Treatment	Completed	2015	Not provided	N/A	Outside	Not provided	\$82,303,740	N/A	Not provided	Not provided	N/A
City of Tallahassee	N/A	COT-013	Street Sweeping	Citywide street sweeping annually collects 2,000 tons of material and 2,000 lbs (942 kg) of TN removed.	Street Sweeping	Completed	2015	283	N/A	Outside	N/A	\$1,500,000	Not provided	Not provided	Not provided	N/A
City of Tallahassee	N/A	COT-014	Public Education-Wakulla Springs Nitrate Video	5-minute video educates homeowners on local groundwater system and explains need to address septic systems to restore Wakulla Springs. Shared via social media and WCOT TV.	Enhanced Public Education	Completed	N/A	0	N/A	PFA1	N/A	\$27,000	N/A	City Water Resources Engineering	Not provided	N/A
City of Tallahassee	NWFWMD/ DEP (Legislative)	COT-015	Septic Connection to Existing Sewer in	Facilitating connection of 130 properties currently on OSTDS to existing	OSTDS PhaseOut	Underway	2019	1,177	N/A	PFA1	Not provided	\$2,587,000	N/A	DEP – Legislative	\$637,000	NWFWMD-17-056

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
	Projects Grant/ City of Tallahassee		Wakulla BMAP Area	central sewer in Wakulla BMAP PFA1.										Projects Grant/ City		
City of Tallahassee	DEP FY 2015 319/ City of Tallahassee	COT-016	OSTDS Reduction Outreach Initiative – Outreach for City of Tallahassee's Connect Septic to Sewer Project	2017–19 City of Tallahassee will produce and distribute educational PSAs, billboards, and other media, to encourage city residents who are on septic systems in PFA 1, to connect to existing central sewer.	Enhanced Public Education	Underway	N/A	TBD	N/A	PFA1	N/A	\$170,000	N/A	DEP 2015-319/ City	\$100,000	NF022
City of Tallahassee	DEP FY 2017–20/ City of Tallahassee	COT-017	2017–20 Develop and Implement Educational Plan	Development and implementation of plan to educate residents about septic sewer and impact on WS – including PSAs.	Enhanced Public Education	Planned	N/A	TBD	N/A	PFA1	N/A	\$50,000	N/A	DEP FY 2017 319/ City Submitted to EPA	\$25,000	Not provided
City of Tallahassee	City of Tallahassee/ Leon County	COT-018	Interlocal Agreement for Provision of Sewer Service to Woodside Heights Subdivision	Interlocal agreement for provision of sewer service to Woodside Heights Subdivision.	Regulations, Ordinances, and Guidelines	Planned	N/A	TBD	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
DEP	N/A	FDEP-001	TN Requirements for WWTFs in PFA 1	Update permits, as needed, to incorporate new requirements to WWTFs in PFA 1.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Florida Agricultural and Mechanical University (FAMU)	N/A	FAMU-001	NPDES MS4 Permit	NPDES MS4 permit.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
FDOT District 3	N/A	FDOT-001	Fertilizer Cessation	Eliminated fertilizer use for ongoing turf maintenance within entire basin, including areas outside PFAs.	Fertilizer Cessation	Completed	2015	2,756	N/A	PFA1, PFA2	N/A	Not provided	Not provided	Florida Legislature	N/A	N/A
FDOT District 3	N/A	FDOT-002	Street Sweeping	Contract for street sweeping of FDOT curb and gutter roads in urbanized areas of Leon County and City of Tallahassee.	Street Sweeping	Completed	2015	169	N/A	PFA1	N/A	Not provided	Not provided	Florida Legislature	N/A	N/A
FDOT District 3	N/A	FDOT-003	Innovative Nitrogen Removal Technologies	Investigating use of innovative nitrogen removal technologies as part of present work program in PFAs.	Study	Canceled	N/A	N/A	N/A	PFA1, PFA2	N/A	Not provided	Not provided	Florida Legislature	N/A	N/A
FDOT District 3	N/A	FDOT-004	Avoidance of Mapped Karst Caves	Avoid constructing ponds directly over mapped karst caves by providing 300-ft buffer.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Federal Correctional Institute	N/A	FCI-001	NPDES MS4 Permit	Stormwater system inspection and maintenance.	Stormwater System Rehabilitation	Completed	2015	N/A	N/A	Outside	Not provided	N/A	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Federal Correctional Institute	N/A	FCI-002	No Fertilizer Use	Fertilizer is not applied on facility grounds.	Fertilizer Cessation	Completed	2015	TBD	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
Florida State University (FSU)	N/A	FSU-001	Fertilizer Rule in University Master Plan	Fertilizer Rule in University Master Plan.	Regulations, Ordinances, and Guidelines	Completed	N/A	TBD	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
FSU	N/A	FSU-002	NPDES MS4 Permit	NPDES MS4 permit.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
Gadsden County	N/A	GC-001	Comprehensive Plan Policy 4.5.1 and 5.2.11 in Infrastructure and Conservation Element	Comprehensive Plan Policy 4.5.1 and 5.2.11 in Infrastructure and Conservation Element.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
Gadsden County	N/A	GC-002	Comprehensive Plan Policy 5.2.4 and 5.2.11 in Conservation Element	Comprehensive Plan Policy 5.2.4 and 5.2.11 in Conservation Element.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
Gadsden County	N/A	GC-003	Comprehensive Plan Infrastructure Element	Comprehensive Plan Infrastructure Element.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
Gadsden County	N/A	GC-004	Section 3.4 Special Drainage Basins – Water Quality (Pollution Abatement) in Stormwater Policies and Procedures Manual	Section 3.4 Special Drainage Basins – Water Quality (Pollution Abatement) in Stormwater Policies and Procedures Manual.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
Gadsden County	N/A	GC-005	Fertilizer Ordinance	Adoption of fertilizer ordinance.	Regulations, Ordinances, and Guidelines	Completed	N/A	14	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	NFWFMD/ Blueprint	LC-001	Sewering in PSPZ	County identified project in adopted sewer master plan and water and sewer interlocal agreement with city as targeted area for sewer. Funds for the project are available through county's share of Blueprint Water Quality Funding supported by local infrastructure sales tax, subject to annual budget and appropriation.	OSTDS PhaseOut	Planned	Not provided	TBD	N/A	PFA1	N/A	\$24,500,000	N/A	Not provided	Not provided	N/A
Leon County	NFWFMD	LC-001a	Woodside Heights Septic- to-Sewer Project	Wastewater system expansion to provide service connections, eliminating over 150 OSTDS.	OSTDS Phase Out	Underway	2019	1,358	N/A	PFA1	N/A	\$4,900,000	Not provided	NFWFMD, Blueprint	\$2,450,000	N/A
Leon County	NFWFMD	LC-001b	Woodville Septic to Sewer Project Design	Wastewater system expansion design to provide service	OSTDS PhaseOut	Underway	2019	TBD	N/A	PFA1	N/A	\$3,000,000	Not provided	NFWFMD/ Blueprint	\$1,500,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				connections, eliminating 1,500 OSTDS.												
Leon County	N/A	LC-002	Septic Tank Inventory	GIS inventory of all septic systems in Leon County.	Study	Completed	2013	N/A	N/A	PFA1	N/A	\$50,000	N/A	Not provided	Not provided	N/A
Leon County	N/A	LC-003	Septic Tank Repairs	Proposed revision to septic tank ordinance to require repairs to have minimum 24-in separation between drainfield and seasonal high-water table.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	NFWFMD	LC-004	Septic Tank Nitrogen Removal Requirements	Pending results of FDOH evaluation of passive systems, as referenced in Section 381.0065(4)(x), F.S., county shall (1) review results of Florida study of nitrogen-reducing, performance-based OSTDS, including passive systems. (2) Identify passive systems regulated under Section 381.0065, F.S., that are approved by state for permitting and appropriate for use in Leon County. (3) Evaluate factors such as cost and operational feasibility of such passive systems. (4) Develop proposed amendment to code of laws requiring use of appropriate systems for new construction in PSPZ.	Study	Underway	Not provided	N/A	N/A	PFA1	N/A	Not provided	N/A	Not provided	Not provided	N/A
Leon County	NFWFMD/ FDOH/ DEP	LC-004a	Passive Onsite Sewage Nitrogen Reduction Pilot Project	Upgrade 37 OSTDS to AWT systems with followup monitoring to determine effectiveness.	OSTDS Enhancement	Underway	2019	335	N/A	PFA1	N/A	\$750,000	N/A	NFWFMD	\$750,000	N/A
Leon County	N/A	LC-005	Septic Tank Education	Add educational kiosks at Woodville Community Center to explain how septic systems work.	Public Education Efforts	Underway	N/A	N/A	N/A	PFA1	N/A	\$2,500	N/A	N/A	N/A	N/A
Leon County	N/A	LC-006	Enacted Comprehensive Fertilizer Ordinance (Number 09-34)	Requires commercial applicators to follow set of BMPs for application of fertilizers.	Regulations, Ordinances, and Guidelines	Completed	N/A	188	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-007	Fertilizer Ordinance Modification	Consider modification to fertilizer ordinance to reduce nitrogen application rates below	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Cody Scarp, if allowable by Florida law.												
Leon County	N/A	LC-008	Education and Outreach	Outreach through FYN, Illicit Discharge Program, pamphlets, presentations, workshops, and special events.	Public Education Efforts	Completed	N/A	377	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-009	Enacted Pet Waste Ordinance (Number 11-21)	Education program to promote cleanup of pet waste as contributor to surface water pollution.	Public Education Efforts	Completed	N/A	188	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-010	Land Development Regulations	Adopted new minimum countywide environmental regulations that exceed state stormwater standards.	Regulations, Ordinances, and Guidelines	Completed	N/A	TBD	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-011	Comprehensive Plan Provisions (Conservation Element Policy 4.2.5)	Reduced allowable development in urban fringe from up to 1 unit per ac to 1 unit per 3 ac. Transfer of density with no net increase in dwelling units as allowed on future land use map permitted.	Regulations, Ordinances, and Guidelines	Completed	N/A	1	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-012	Lake Munson Erosion and Flood Protection Upgrades	Removed 15-ac nutrient sediment dam in 2002, stabilized Munson Slough to reduce erosion, and repaired dam for stabilization of lake hydroperiod.	Hydrologic Restoration	Completed	2002	93,299	N/A	PFA1	37,267	\$7,200,000	N/A	Not provided	Not provided	N/A
Leon County	N/A	LC-013	LID	Develop LID incentives to reduce nitrogen loading to surface waters and groundwater.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-014	Street Sweeping	Contract for 821 mi of street sweeping annually; collects 124.75 tons/yr.	Street Sweeping	Completed	2015	38	90	PFA1	N/A	N/A	\$75,000	N/A	N/A	N/A
Leon County	N/A	LC-015	FYN Program	Participation in FYN Program through Cooperative Extension Service.	Public Education Efforts	Completed	N/A	1,131	N/A	PFA1	N/A	N/A	\$55,000	N/A	N/A	N/A
Leon County	N/A	LC-016	Irrigation Ordinance	Irrigation ordinance.	Regulations, Ordinances, and Guidelines	Completed	N/A	188	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-017	Landscaping Ordinance	Landscaping ordinance.	Regulations, Ordinances, and Guidelines	Completed	N/A	188	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-018	Aquifer Vulnerability Assessment	Study to determine areas with most direct connections to Wakulla Springs.	Study	Completed	2007	0	N/A	PFA1	N/A	\$73,000	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Leon County	City of Tallahassee/ Wakulla County	LC-019	Lombardo Report	In conjunction with City of Tallahassee and Wakulla County, compiled previous studies identifying nitrogen loading to Wakulla Springs, and identified treatment and management options, where central sewer is not available, for purpose of reducing nitrate loading to Wakulla Springs from septic systems in Leon and Wakulla Counties.	Study	Completed	2013	N/A	N/A	PFA1	N/A	\$60,000	N/A	N/A	N/A	N/A
Leon County	N/A	LC-020	Water Quality Sampling	Sampled 73 sites in 13 lakes, 27 streams, and 2 rivers.	Monitoring/Data Collection	Completed	2015	N/A	N/A	PFA1	N/A	\$250,000	N/A	N/A	N/A	N/A
Leon County	N/A	LC-021	Preparation of Annual Water Quality Report	Preparing and publishing annual water quality report to document health of natural systems and use for prioritization of water quality project needs.	Study	Completed	2015	N/A	N/A	PFA1	N/A	N/A	\$15,000	N/A	N/A	N/A
Leon County	EPA	LC-022	Woodville Recharge Aquifer Protection Study	EPA grant to study 60-square-mi Woodville Recharge Basin for flooding, water quality, and aquifer protection.	Study	Completed	2007	N/A	N/A	PFA1	N/A	\$300,000	N/A	EPA	Not provided	N/A
Leon County	N/A	LC-023	Annual Wakulla Springs Status Report	Commitment to develop annual status report on Wakulla Springs for BOCC.	Study	Completed	2014	N/A	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-024	Established PSPZ (Number 09-12)	Enacted to establish defined area for enforcement for additional water quality protections in this zone.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	PFA1	98,029	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-025	Eight Mile Pond	Acquisition of 132 ac immediately upstream of Ames Sink to preserve/protect sink.	Land Acquisition	Completed	2010	TBD	N/A	PFA1	Not provided	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-026	Aquifer Wellhead Protection Ordinance (Number 07-20)	Includes Aquifer Protection Program.	Regulations, Ordinances, and Guidelines	Completed	N/A	TBD	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-027	Litter Control Program	Maintain 2,316 mi of rights-of-way, collecting 78.4 tons of waste.	Public Education Efforts	Completed	N/A	TBD	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	N/A	LC-028	Adopt-A-Road Program	Maintain 112 mi of rights-of-way, collecting 2.11 tons of trash.	Public Education Efforts	Completed	N/A	TBD	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Leon County	Blueprint	LC-029/COT-011	Alternatives to Sewer Solutions Study	Study and develop preferred options for management alternatives to traditional OSTDS in unincorporated areas of Leon County, including PSPZ; identify preferred options for responsible management entities, including recommendations for financing and management structure for identified preferred options; identify other issues related to sewage treatment and disposal system financing.	Study	Underway	Not provided	N/A	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Leon County	NFWFMD/ FEMA	LC-029	Harbinwood Estates Ponds	Constructed two stormwater retrofit ponds and planted/stabilized 1,200 LF of channel.	Wet Detention Pond and Shoreline Stabilization	Completed	2008	30	N/A	Outside	269	\$2,980,000	N/A	N/A	N/A	N/A
Leon County	NFWFMD	LC-030	Fuller Rd. Regional Facility	Constructed 10-ac stormwater retrofit facility at I-10 and US Hwy. 27.	STAs	Completed	2010	58	N/A	Outside	400	\$800,000	N/A	N/A	N/A	N/A
Leon County	N/A	LC-031	Fred George Basin Acquisition	Acquisition of 166 ac, including Fred George Sink for preservation/ protection of sink.	Land Acquisition	Completed	2012	TBD	N/A	Outside	N/A	\$2,600,000	N/A	N/A	N/A	N/A
Leon County	N/A	LC-032	Fred George Basin Wetland Rehydration	Wetland rehydration through grade restoration and construction of trash racks at inflow points are planned to improve water quality prior to runoff entering Fred George Sink.	Wetland Restoration	Underway	2019	N/A	N/A	Outside	2,668	\$1,000,000	N/A	N/A	N/A	N/A
Tallahassee Community College	N/A	TCC-001	Fertilizer Cessation	Fertilizer cessation	Fertilizer Cessation	Completed	2012	1	N/A	Outside	N/A	N/A	N/A	N/A	N/A	N/A
Talquin Electric	N/A	TEC-001	Oyster Bay WWTP Abandonment	Oyster Bay WWTP abandonment	WWTF Upgrade	Completed	2016	610	N/A	Outside	3	\$750,000	N/A	N/A	N/A	N/A
Talquin Electric	N/A	TEC-002	Gadsden East WWTP	Gadsden East WWTP – Construct treatment wetland by retrofitting 3 existing rapid infiltration basins (RIBs) and building additional treatment cells.	WWTF Disposal Site	Completed	2016	1,882	N/A	Outside	8	\$200,000	N/A	N/A	N/A	N/A
Talquin Electric	N/A	TEC-003	Hwy. 267 Sewer	Hwy. 267 sewer.	Sanitary Sewer and WWTF Maintenance	Completed	2008	2	N/A	Outside	3	\$400,000	N/A	N/A	N/A	N/A
Talquin Electric	N/A	TEC-004	Beech Ridge Trail Sewer	Beech Ridge Trail sewer	Sanitary Sewer and WWTF Maintenance	Completed	2004	2	N/A	Outside	13	\$40,000	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Town of Havana	N/A	TH-001	Street Sweeping	Street sweeping	Street Sweeping	Completed	2015	0	N/A	Outside	N/A	N/A	Not provided	N/A	N/A	N/A
Wakulla County	N/A	WC-001	Comprehensive Plan Infrastructure Policy 1.3.6	Requires AWT for any WWTF or spray field located in Wakulla Springs Special Planning Area.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-002	Otter Creek WWTP Upgrade and Capacity Expansion	Proposed upgrades and expansion to include contributing systems in PFA2 to WWTF for improved treatment.	WWTF Nutrient Reduction	Underway	5/12/2018	TBD	N/A	PFA2	Not provided	\$7,644,346	N/A	USDA Rural Development (RD) Loan/Grant	N/A	N/A
Wakulla County	N/A	WC-003	Public Education on OSTDS	Provide citizens and officials with best available information for decision making regarding use of OSTDS and decentralized wastewater systems to reduce nutrients in groundwater to springs.	Public Education Efforts	Completed	N/A	N/A	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-004	Comprehensive Plan Infrastructure Policy 1.3.7	Requires nitrogen-reducing septic systems on parcels smaller than 5 ac in Wakulla Springs Special Planning Area; within 150 ft of surface water, swallet, or other karst feature, or within 300 ft of first or second magnitude spring; and on all parcels less than 0.229 ac in size.	Regulations, Ordinances, and Guidelines	Completed	N/A	TBD	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	NFWFMD	WC-005	Magnolia Gardens Sewer – Phase I	Installation of central sewer and proper abandonment of 159 septic systems.	OSTDS PhaseOut	Underway	2018	1,599	N/A	PFA2	Not provided	\$2,300,000	N/A	Legislative Springs Protection Funds	\$2,300,000	Not provided
Wakulla County	NFWFMD	WC-006	Wakulla Gardens Sewer – Phase I	Installation of central sewer and proper abandonment of 51 septic systems.	OSTDS Phase Out	Underway	2018	513	N/A	PFA2	Not provided	\$2,300,000	N/A	Legislative Springs Protection Funds	\$2,300,000	Not provided
Wakulla County	N/A	WC-007	Greiner's Addition Central Sewer Installation	Planned central sewer installation for Greiner's Addition neighborhood.	OSTDS Phase Out	Planned	TBD	TBD	N/A	PFA2	Not provided	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-008	Wakulla County WWTF – Plantation River Estates	Wakulla County will assume ownership and management of River Plantation Estates WWTP sewer system and WWTF. Project includes removal and replacement of existing facility.	WWTF Upgrade	Completed	2015	0	N/A	PFA2	Not provided	\$4,900,000	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-009	Wakulla Springs Watershed	Inspection and repair of old, damaged, and failing	OSTDS Enhancement	Planned	TBD	TBD	N/A	PFA1, PFA2	Not provided	\$1,380,300	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				systems in Wakulla Springs Watershed.												
Wakulla County	N/A	WC-010	Crawfordville TIF District	TIF District for Crawfordville area to fund improvements, including basic infrastructure.	OSTDS PhaseOut	Completed	2015	0	N/A	PFA2	Not provided	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-011	Fertilizer Use Ordinance 2010-1	Adopts model ordinance on FFL fertilizer use on urban landscapes.	Regulations, Ordinances, and Guidelines	Completed	N/A	71	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-012	Fertilizer Management Education	Education and outreach to public about fertilizer management.	Regulations, Ordinances, and Guidelines	Completed	N/A	143	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-013	Comprehensive Plan Future Land Use Policies 1.2.10, 1.2.10.3, Special Area Plans	Establishes special area plans for Bloxham Special Area Plan, Special Area Plan #2, and Spring Creek Hwy. Special Area Plan in Wakulla Springs Basin. Requires nitrate loading analyses for development. Establish standards for stormwater, karst feature protections, landscaping, and open space.	Regulations, Ordinances, and Guidelines	Completed	N/A	13	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-014	Wakulla County Aquifer Vulnerability Assessment	Modeling effort to identify most vulnerable areas in county.	Study	Completed	2009	Part of WC-10	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-015	Comprehensive Plan Future Land Use Polity 1.2.9.1 – Northeast Wakulla Sustainable Community	Establishes standards for 606 ac in Wakulla Springs Basin. Requires no net increase in nutrients or phosphorus loading to groundwater. Sustainable community standards established for stormwater, groundwater, open space, and BMPs. Requires AWT standards for sanitary sewer service to site.	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-016	Ordinance 2006-58 (Multiple Objectives and Policies in Comprehensive Plan Conservation and Future Land Use Elements)	Add karst buffers; require nitrate loading study for proposed development greater than 1 ac; incorporate FYN practices and landscaping standards that promote native vegetation for new subdivisions; reduce nitrates from public facilities; and address	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				stormwater, water conservation, wastewater facilities, treated wastewater reuse, and natural water flows.												
Wakulla County	N/A	WC-017	Comprehensive Plan Conservation Objective 12.0	Develop solutions to restore health of Wakulla Springs by reducing pollutants in groundwater and implementing policies for Wakulla Springs Special Planning Area.	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-018	Comprehensive Plan Conservation Objective 12.1	Establishes transfer of development rights policy to encourage development in Crawfordville with connection to sewer service, "no net increase in dwelling units above 2 units per acre" allowed by future land use map in Wakulla Springs Special Planning Area, fertilizer restrictions based on FYN Program.	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-019	Comprehensive Plan Conservation Objective 12.2	County shall consider expanding Wakulla Springs Special Planning Area based on geologic vulnerability.	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-020	Comprehensive Plan Infrastructure Objective 2.5	To protect functions of groundwater recharge areas, springs, and springsheds.	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-021	Groundwater Extraction Ordinance	Requests NFWMD establish minimum flows and levels for Wakulla Springs and requests NFWMD deny permits to transport water from Wakulla Springs springshed and Ochlocknee and St. Marks Rivers.	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	N/A	WC-022	Litter Regulations. Code of Ordinances Section 27.049	Prohibits litter and dumping along roadways and waterways, and establishes penalties.	Regulations, Ordinances, and Guidelines	Completed	N/A	0	N/A	PFA1, PFA2	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla County	NFWMD	WC-023	Wakulla Gardens Sewer – Phase II	Installation of central sewer and proper abandonment of 181 septic systems.	OSTDS PhaseOut	Underway	2018	1,820	N/A	PFA2	Not provided	\$4,240,000	N/A	Legislative Springs Protection Funds	\$4,240,000	Not provided
Wakulla County	NFWMD	WC-024	Magnolia Gardens Sewer – Phase II	Installation of central sewer and proper	OSTDS Phase Out	Underway	2018	985	N/A	PFA2	Not provided	\$1,560,000	N/A	Legislative Springs	\$1,560,000	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				abandonment of 98 septic systems.										Protection Funds		
Wakulla County	NFWFMD	WC-025	Wakulla Gardens Sewer – Phase III	Upgrades and rerouting of 319 lift station.	OSTDS Phase Out	Underway	2018	TBD	N/A	PFA2	Not provided	\$1,066,280	N/A	Legislative Springs Protection Funds	\$1,066,280	Not provided
Wakulla County	N/A	WC-026	WINCO WWTP Purchase	Nitrogen reduction – Northeast Wakulla County.	Wastewater Management	Planned	TBD	TBD	N/A	TBD	Not provided	Not provided	N/A	TBD	N/A	N/A
Wakulla Springs State Park	N/A	WP-001	Learning in Florida's Environment	Annual environmental education program.	Public Education Efforts	Completed	N/A	0	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla Springs State Park	N/A	WP-002	Project Learning Tree	Annual environmental education program.	Public Education Efforts	Completed	N/A	0	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla Springs State Park	N/A	WP-003	Green Guide Class	Annual environmental education program.	Public Education Efforts	Completed	N/A	0	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla Springs State Park	N/A	WP-004	Wakulla Wildlife Festival	Annual environmental education program.	Public Education Efforts	Completed	N/A	0	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
Wakulla Springs State Park	N/A	WP-005	Park Ranger Programs	Annual environmental education program.	Public Education Efforts	Completed	N/A	0	N/A	PFA1	N/A	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	FDACS-01	Agricultural Farm Fertilizer BMP Implementation	Enrollment and verification of BMPs by agricultural producers.	Agricultural BMPs	Underway	2023	25,158	N/A	Inside	TBD	TBD	TBD	TBD	TBD	N/A
FDACS	N/A	FDACS-02	Agricultural Livestock Waste BMP Implementation	Enrollment and verification of BMPs by agricultural producers.	Agricultural BMPs	Underway	2023	2,384	N/A	Inside	TBD	TBD	TBD	TBD	TBD	N/A
Golf Courses	TBD	GC-01	Golf Course Reduction Credits	10 % BMP credit on golf course load to groundwater, assuming 100 % BMP implementation by golf course owners.	Golf Course BMPs	Planned	Not provided	4,013	N/A	Inside	TBD	TBD	TBD	TBD	TBD	N/A
Sports Fields	TBD	SF- 01	Sports Field Reduction Credits	6 % BMP credit on sports field load to groundwater, assuming 100 % BMP implementation by sports field owners.	Sport Field BMPs	Planned	Not provided	136	N/A	Inside	TBD	TBD	TBD	TBD	TBD	N/A
Wastewater Utilities	TBD	WU-01	WWTF Policy Reductions	Achieved by WWTF policy if implemented BMAP-wide, achieving 3 or 6 mg/L.	Wastewater Management	Planned	Not provided	2,097	N/A	Inside	TBD	TBD	TBD	TBD	TBD	N/A

Wekiva River, Rock Springs Run, and Little Wekiva Canal BMAP

Background

The Wekiva River system (including the main stem of the Wekiva River and Rock Springs Run) is designated by the state as an OFW, the Wekiva River and portions of its tributaries are designated as a state Aquatic Preserve worthy of special protection because of their natural attributes, and the river is also designated by the federal government as a Wild and Scenic River. The BMAP area includes the Wekiva River surface water basin, a large portion of the springshed for the group of springs that contributes flow (and nutrients) to the system, the Little Wekiva Canal Basin, and the surface water basin of the Little Wekiva River and Blackwater Creek. The BMAP area is 513 square miles (**Figure B-6**).

DEP determined that the Wekiva River and Rock Springs Run is impaired by elevated TP and nitrate-nitrogen, based on evidence of an imbalance in aquatic flora. The Little Wekiva Canal was verified as impaired for DO and nutrients based on elevated levels of chlorophyll-*a* and was subsequently verified as impaired for DO attributable to elevated TN and BOD. In 2008, DEP adopted the nutrient TMDLs for the Wekiva River, Wekiwa Springs, and Rock Springs Run (nitrate and TP), as well as the nutrient and DO TMDLs for the Little Wekiva Canal. The Wekiva River, Rock Springs Run, and Little Wekiva Canal BMAP was adopted in October 2015 to implement nitrate, TN, TP, and BOD reductions to achieve the TMDLs.

Status of Projects

Through December 31, 2017, 264 projects have been completed. An additional 53 projects that are underway or planned have been added to the BMAP. The projects completed to date are estimated to achieve total reductions of 138,874 lbs/yr of TN.

Additional information will be provided when the OFS BMAP reaches its 5-, 10-, and 15-year milestones. If the milestones, or the 20-year target, will not be met, an explanation of possible causes and potential solutions will be provided. These milestones will be specified in a revised BMAP document. The revised Wekiva River, Wekiwa Springs, and Rock Springs Run BMAP is scheduled to be readopted by July 1, 2018, to meet the statutory requirements added by the 2016 Florida Legislature.

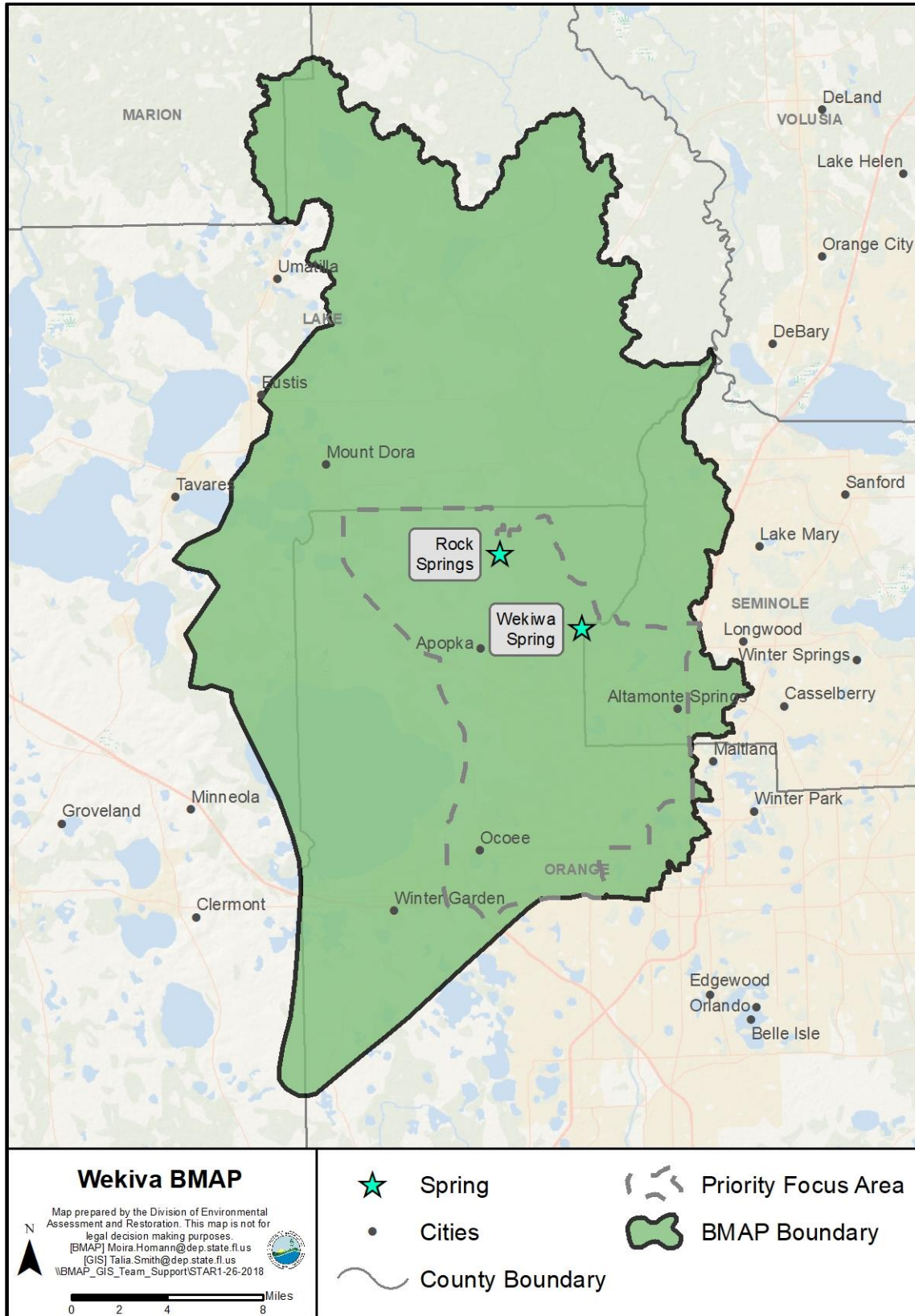


Figure B-6. Wekiva River, Rock Springs Run, and Little Wekiva Canal BMAP area

Table B-6. Wekiva BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Apopka	Not provided	A-01	Lester Rd. Improvement	City paved and improved stormwater collection system.	Stormwater System Rehabilitation	Completed	2014	Not provided	Not provided	Inside Springshed	Not provided	\$30,288,140	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-02	Shopke-Lester Rd. Pond Expansion and Improvement	Improve existing drainage system and dry retention pond to increase inflow mass and reduce outflow mass; pollutant removal efficiency increased from 75 % to 93 %.	Online Retention BMP	Completed	2010	Not provided	1	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-03	Street Sweeping	City Streets Dept. swept total of 1,700 mi in 2017 with total of 844,540 lbs collected.	Street Sweeping	Completed	N/A	72	305	Inside Springshed	~1,200	Not provided	Not provided	Stormwater Service Fees	Not provided	N/A
City of Apopka	Not provided	A-04	Chalet North Mobile Home Park	City worked in cooperation with Orange County Environmental Protection Dept. (OCEPD) and park to decommission package WWTF and effluent percolation pond and connect to city collection system.	WWTF Upgrade	Completed	1992	22,224	9,644	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-05	Individual Septic-to-Sewer Projects	Dr. Philip Trinh Dental Office (place existing septic on city wastewater collection system); Honey Transport Inc. (abandon existing septic and place business on city collection system); United Pentecostal Church (work with church to abandon existing septic system during its expansion and connect to city collection system); Robinsons Restaurant (work with restaurant to transfer wastewater effluent treatment from	Septic Phase Out	Completed	2015	735	557	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				septic system to city collection system).												
City of Apopka	Not provided	A-06	Kelly Park Rd. at Rock Springs (Orange County Park)	Expand Rock Springs Rd. and Kelly Park Rd. collection system, allowing city to connect Orange County's Kelly Park recreation area to city collection system and abandon septic	Septic Phase Out	Completed	2010	282	213	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-07	Kelly Park Rd. 8-in Force Main	Install 1,250 ft of 8-in force main along east end of Kelly Park Rd.; allows Orange County's Kelly Park to connect to city collection system and abandon septic; also allows for future septic connections near Wekiwa and Rock Springs area.	Septic Phase Out	Completed	2009	Not provided	Not provided	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-08	US Hwy. 441 Force Main Extension	Extend city wastewater collection system by installing 12,236 ft of 12-in force main to Jones Ave., making connections to Zellwin Farms and Zellwood Elementary School), and providing availability for future connections in area.	Wastewater Service Area Expansion	Completed	2007	Not provided	Not provided	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-09	Yothers Rd. and Zellwood Station	City installed 5,375 ft of 10-in force main and lift station that allowed Zellwood Mobile Home Park to decommission its package WWTF and effluent percolation pond, reducing effluent load to basin.	Decommissioned WWTF	Completed	2006	13,424	5,825	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-10	Sanlando Utilities Corp. Reuse to City	City is in design stage of receiving Sanlando Utilities Corp. reclaimed water that is currently being discharged into Little	Reclaimed Water	Completed	2013	1,732	4,566	Inside Springshed	N/A	\$3,800,000	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Wekiva, starting at 1 mgd; this will also reduce groundwater withdrawal from city.												
City of Apopka	Not provided	A-11	Northwest Reclaimed/ Stormwater Storage Pond	Constructed 120-million-gallon (mg) lined reclaimed storage pond; pond also collects stormwater from 300-ac northwest recreation facility that is filtered and distributed for irrigation; this will also reduce groundwater withdrawal.	Reclaimed Water	Completed	2007	Not provided	Not provided	Inside Springshed	N/A	\$750,000	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-12	Northwest Reclaimed/ Stormwater Storage Pond B	Construction of 21-mg lined reclaimed storage pond; pond also collects stormwater from 300-ac northwest recreation facility that is filtered and distributed for irrigation; this will also reduce groundwater withdrawal.	Reclaimed Water	Completed	2016	Not provided	Not provided	Inside Springshed	N/A	\$1,587,000	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-13	Northwest Reclaimed/ Stormwater Storage Pond C	Construction of 68-mg lined reclaimed storage pond; pond also collects stormwater from 300-ac northwest recreation facility that is filtered and distributed for irrigation; this will also reduce groundwater withdrawal.	Reclaimed Water	Underway	2005	Not provided	Not provided	Inside Springshed	N/A	\$1,380,000	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-14	Altamonte Springs to Apopka	Altamonte is in construction stage of sending 3.5 mgd of reuse water to Apopka with potential to discharge to Little Wekiva River.	Reclaimed Water	Completed	2016	Not provided	Not provided	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Apopka	Not provided	A-15	Orange County Reuse to City	City is in design stage for receiving 3 mgd of reclaimed water that is currently going to Orange County RIBs; will also reduce groundwater withdrawal from city.	Reclaimed Water	Completed	2013	2,308	6,088	Inside Springshed	N/A	\$490,000	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-16	Lift Station 9 and 10 Wet Wells	Rehabilitate lift station wet well because hydrogen sulfide is dissolving concrete walls.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2008	Not provided	Not provided	Inside Springshed	N/A	\$41,945	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-17	Manholes (Alabama and 8th St.; Little St. and 9th St.; Park Ave; Charleston Park Subdivision)	Reline manholes with supercoat spray to prevent leaking between bricks.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2011	Not provided	Not provided	Inside Springshed	N/A	\$28,420	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-18	Victoria Plaza, Forest Ave., 3rd St., Park Ave.	Reline to correct leaking joints.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	Not provided	Not provided	Inside Springshed	N/A	\$200,591	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-19	WWTP Expansion and Nutrient Removal	City is in design stage of upgrading existing treatment plant and expanding capacity to 8 mgd.	WWTF Nutrient Reduction	Underway	2019	TBD	Not provided	Inside Springshed	N/A	\$63,000,000	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	A-20	Harry St. Project	Drainage easement located off Harry St. in Apopka has become dumping ground. City is removing all garbage, debris, and litter; installing new fence to protect retention area; and sodding hill slope to prevent erosion.	BMP Clean Out	Underway	2018	Not provided	Not provided	Inside Springshed	~0.5	\$26,000	Not provided	Stormwater Service Fees	\$26,000	N/A
City of Apopka	Not provided	A-21	MS4 Lake Sampling	Six lakes connected to major outfalls are being sampled monthly. This monthly sampling will set baseline of yearly fluctuations in nutrients and parameters. Marshall Lake, monitored under TMDL Program, is	Monitoring/ Data Collection	Underway	2018	Not provided	Not provided	Inside Springshed	Not provided	\$6,000	Not provided	Stormwater Service Fees	\$6,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				sampled quarterly to monitor nutrient loading and parameters.												
City of Apopka	Not provided	A-22	Fertilizer Reduction	City has adopted Orange Fertilizer Ordinance. Grounds Dept. only fertilizes twice annually instead of quarterly on all city-owned and maintained (not recreational nor sports arena) landscapes.	Regulations, Ordinances, and Guidelines	Completed	N/A	278	Not provided	Inside Springshed	~8	N/A	N/A	N/A	N/A	N/A
City of Altamonte Springs	City / SJRWMD/ Seminole County/ Orange County	AS-01	Little Wekiva River Erosion Management Projects (1, 2, and 3)	Install structural controls to provide riverbank stabilization.	Shoreline Stabilization	Completed	2000	25	17	Inside Springshed	N/A	\$350,000	\$1,000	Not provided	350,000	N/A
City of Altamonte Springs	City / SJRWMD/ Seminole County/ Orange County	AS-02	Riverbend Apartments Shoreline Stabilization	Install structural controls to provide riverbank stabilization.	Shoreline Stabilization	Completed	2004	11	8	Inside Springshed	N/A	\$250,000	\$500	Not provided	250,000	N/A
City of Altamonte Springs	N/A	AS-03	Stimmell Tract Land Preservation (Audubon Society)	Conservation project – purchase 268 ac of land for preservation.	Land Preservation	Completed	2004	N/A	N/A	Inside Springshed	268	\$398,444	N/A	N/A	\$398,444	N/A
City of Altamonte Springs	N/A	AS-04	Altamonte Springs Shopping Center (Crossroads) Development	Construct 20,602-square-ft retail/restaurant building with attendant parking and site utilities, plus stormwater facilities, on 2.06-ac site, providing higher level of stormwater treatment as result of city ordinance.	Stormwater BMP	Completed	2010	0	0	Inside Springshed	2	N/A	N/A	Private Development – unknown	N/A	N/A
City of Altamonte Springs	N/A	AS-05	Brantley Terrace Condo	Phase 3 of Lake Lotus Club, multifamily condominium development.	Stormwater BMP	Completed	2002	1	Not provided	Inside Springshed	15	N/A	N/A	Private Development – unknown	N/A	N/A
City of Altamonte Springs	N/A	AS-09	Gateway Clinic and Gateway Crossing Development	Stormwater management system with online dry retention/detention area, providing higher level of stormwater	Stormwater BMPs	Completed	2006	6	11	Inside Springshed	34	N/A	N/A	Private Development – unknown	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				treatment as result of city ordinance.												
City of Altamonte Springs	N/A	AS-13	Spring Oaks, San Sebastian, and River Run Inlet Skimmer Baskets	Install 39 inlet skimmer baskets.	Catch Basin Inserts	Completed	2006	1	1	Inside Springshed	91	\$23,890	\$1,000	Stormwater Utility Fund	23,890	N/A
City of Altamonte Springs	N/A	AS-14	West Altamonte Operations and Administration Center	Identified area does not contribute to Wekiva River; however, closed basin was not removed from consideration in TMDL because of potential influence on springshed.	Closed Basin	Completed	2008	26	24	Inside Springshed	29	\$8,000,000	\$500	Public Works Capital Project Fund	8,000,000	N/A
City of Altamonte Springs	N/A	AS-15	Street Sweeping	Street sweeping occurs daily; total swept = 5,000 mi/yr – Split between springshed and surface.	Street Sweeping	Completed	N/A	518	N/A	Inside Springshed	245	\$480,000 (\$240,000/sweeper)	\$100,000	Stormwater Utility Fund	\$480,000 (\$240,000/sweeper)	N/A
City of Altamonte Springs	N/A	AS-16	Citywide Pollutant Loading Model/ Hydrologic and Hydraulic (H&H) Study	City is contracting with consultants to complete citywide pollutant model and H&H study.	Study	Planned	TBD	N/A	N/A	Inside Springshed	N/A	\$200,000	N/A	Stormwater Utility Fund	TBD	N/A
City of Altamonte Springs	N/A	AS-17	Lake Orienta, Adelaide, and Florida Hydrologic/ Nutrient Budgets and Management Plans	City contracted with consultants to determine phosphorus and nitrogen loadings to Lakes Orienta, Florida, and Adelaide; best pollutant load reduction options recommended based on study results.	Study	Completed	2009	N/A	N/A	Inside Springshed	N/A	\$105,000	N/A	Stormwater Utility Fund	TBD	N/A
City of Altamonte Springs	City/ FDOT/ SJRWMD/ DEP/ Apopka	AS-23	Altamonte Springs- FDOT Integrated Reuse and Stormwater Treatment (A-FIRST)	Collection, treatment, and reuse of stormwater from Cranes Roost Basin (including I-4 widening) and elimination of 2 direct wastewater discharge points to Little Wekiva River.	Stormwater Reuse	Completed	2016	TBD	TBD	Inside Springshed	1,931	\$12,500,000	TBD	DEP/ FDOT/ SFRWMD/ City	\$1,500,000 \$4,500,000 \$3,500,000 \$3,000,000	S0651

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Altamonte Springs	N/A	AS-25	Citywide Inflow & Infiltration (I&I) Study	Contract with consultant to evaluate city's sewer system to identify areas prone to I&I and develop schedule for repair.	Study	Underway	TBD	N/A	N/A	Inside Springshed	N/A	\$80,000	N/A	Public Works Capital Project Fund	80,000	N/A
City of Altamonte Springs	N/A	AS-26	Fertilizer Ordinance	Fertilizer ordinance adopted citywide.	Regulations, Ordinances, and Guidelines	Completed	N/A	33	N/A	Inside Springshed	6187	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	FDACS-01	Agricultural Farm Fertilizer BMP Implementation	Enrollment and verification of BMPs by agricultural producers.	Agricultural Farm Fertilizer BMP Implementation	Underway	2023	16,513	N/A	Inside Springshed	TBD	TBD	TBD	TBD	TBD	N/A
FDACS	N/A	FDACS-02	Agricultural Livestock Waste BMP Implementation	Enrollment and verification of BMPs by agricultural producers.	Agricultural Livestock Waste BMP Implementation	Underway	2023	832	N/A	Inside Springshed	TBD	TBD	TBD	TBD	TBD	N/A
FDACS	N/A	FDACS-03	Agricultural Nurseries Fertilizer BMP Implementation	Enrollment and verification of BMPs by agricultural producers.	Agricultural Nurseries Fertilizer BMP Implementation	Underway	2023	5,364	N/A	Inside Springshed	TBD	TBD	TBD	TBD	TBD	N/A
FDOT District 5	N/A	FDOT-02	FM: 239289 (2 Treatment Projects)	SR 438: Treatment Basin 2 (Ponds 2A, 2B, and 2C) and Wet Detention Pond 4 providing treatment for runoff generated from existing and proposed pavement.	Wet Detention Pond	Completed	2004	13	9	Inside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-02b	FM: 239289 (2 Treatment Projects)	SR 438: Treatment basin – Pond 2B.	Wet Detention Pond	Completed	2004	N/A	N/A	Inside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-02c	FM: 239289 (2 Treatment Projects)	SR 438: Treatment basin – Pond 2C.	Dry Retention Pond	Completed	2004	N/A	N/A	Inside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-02d	FM: 239289 (2 Treatment Projects)	SR 438: Wet detention – Pond 4.	Wet Detention Pond	Completed	2004	N/A	N/A	Inside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-07	FM: 410983-1	SR 50: from Avalon Rd. to SR 429/ Western Beltway; Wet Detention Pond L-4, L-7, M-10/11, and N-2/2A providing treatment for existing and new pavement.	Stormwater BMP Retrofit/Expansion	Completed	2014	59	42	Inside Springshed	6.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-07b	FM: 410983-1	SR 50: from Avalon Rd. to SR Wet Detention Pond L-4,	Stormwater BMP Retrofit/Expansion	Completed	2014	N/A	N/A	Inside Springshed	6.6	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				L-7, M-10/11, and N-2/2A providing treatment for existing and new pavement.												
FDOT District 5	N/A	FDOT-07c	FM: 410983-1	SR 50: from Avalon Rd. to SR 429/Western Beltway; Wet Detention Pond L-4, L-7, M-10/11, and N-2/2A providing treatment for existing and new pavement.	Stormwater BMP Retrofit/Expansion	Completed	2014	N/A	N/A	Inside Springshed	6.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-07d	FM: 410983-1	SR 50: from Avalon Rd. to SR 429/Western Beltway; Wet Detention Pond L-4, L-7, M-10/11, and N-2/2A providing treatment for existing and new pavement.	Stormwater BMP Retrofit/Expansion	Completed	2014	N/A	N/A	Inside Springshed	6.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-07e	FM: 410983-1	SR 50: from Avalon Rd. to SR 429/Western Beltway; Wet Detention Pond L-4, L-7, M-10/11, and N-2/2A providing treatment for existing and new pavement.	Stormwater BMP Retrofit/Expansion	Completed	2014	N/A	N/A	Inside Springshed	6.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
Golf Courses	TBD	GC-01	Golf Course Reduction Credits	10 % BMP credit on golf course load to groundwater, assuming 100 % BMP implementation by golf course owners.	Golf Course Reduction Credits	Planned	TBD	7,408	N/A	Inside Springshed	2,412	TBD	TBD	TBD	TBD	N/A
Lake County	N/A	LC-13	Fertilizer Ordinance	Enhanced fertilizer ordinance above model ordinance requirements.	Regulations, Ordinances, and Guidelines	Completed	N/A	8	N/A	Inside Springshed	N/A	Not provided	Not provided	Lake County	Not provided	Not provided
City of Ocoee	N/A	O-01	ABC Fine Wine and Spirits Store # 52	2.96-ac project; proposed surface water management system will retain and recover 3 in of runoff from increase in impervious area; sewer area.	Stormwater BMPs	Completed	2008	0	1	Inside Springshed	2.96	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Ocoee	N/A	O-02	Arden Park South	98.52-ac project; construct 157 single-family residential subdivision with 4 dry retention ponds; surface water management system to store and recover pre- vs. post-development runoff volume from 25-yr, 96-hr event; sewer area.	Online Retention BMP	Completed	2013	0	1	Inside Springshed	98.52	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-03	Cambridge Village Subdivision	Cambridge Village is 8.97-ac single-family residential subdivision located southeast of intersection of White Rd. and Clarke Rd. in Ocoee; surface water management system includes 30 lots, associated road, and 1 dry retention system.	Online Retention BMP	Completed	2002	0	0	Inside Springshed	8.97	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-04	Forest Trails Subdivision	3 dry retention ponds to serve 51.8-ac single-family residential development.	Online Retention BMP	Completed	2004	0	0	Inside Springshed	51.80	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-05	Hackney Prairie Park	4.26-ac project served by stormwater treatment retention system; sewer area.	Online Retention BMP	Completed	2015	0	0	Inside Springshed	4.26	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-06	Ingram Estates Subdivision	11.47-ac residential site, single lots, with stormwater system; 2 dry retention systems; recharge volume to be recovered within 72 hrs; sewer area.	Online Retention BMP	Completed	2007	0	1	Inside Springshed	11.47	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-07	Oak Trail Reserve	Construct and operate surface water management system serving 61 single-family lots on 34.57-ac residential development located in Wekiva River Protection Basin; sewer area.	Stormwater BMPs	Completed	2017	1	2	Inside Springshed	34.57	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-08	Ocoee Carwash	1.79-ac car wash facility, Lake Lotta	Septic Phase Out	Completed	2009	2	4	Inside Springshed	1.79	Not provided	Not provided	Not provided	Not provided	N/A

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				Watershed; sewer area.												
City of Ocoee	N/A	O-09	Olympia Planned Unit Development	21.2-ac commercial and public development, including Walgreens store and public library; one wet detention system and one dry retention system constructed.	Stormwater BMPs	Completed	2001	1	1	Inside Springshed	21.20	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-10	Orchard Park Phase III Subdivision	Orchard Park Phase III – 30.7-ac subdivision is located west of Lake Addah, on south side of Clarcona-Ocoee Rd., in west Orange County; site is located in Wekiva River Hydrologic Basin, south of SR 436, within Most Effective Recharge Area, but does not contain any portions of Riparian Habitat Protection Zone (RHPZ); project consists of construction of 65-lot single-family residential subdivision and dry retention pond; applicant does not propose any development.	Online Retention BMP	Completed	2001	0	0	Inside Springshed	30.70	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-11	Peach Lake Manor Drainage Improvements	Construct and operate dry retention system (retrofit) of BMPs to serve 60-ac residential subdivision with no conventional stormwater treatment; sewer area.	Online Retention BMP	Underway	2014	TBD	24	Inside Springshed	60.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-12	Prairie Lake Reserve	Construct surface water management system to serve 42-ac residential subdivision (townhomes); 3 retention ponds permitted.	Online Retention BMP	Completed	2007	0	0	Inside Springshed	42.00	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Ocoee	N/A	O-13	Remington Oaks Phase I and II Subdivision	140-lot single-family 49.5-ac subdivision with 2 dry retention ponds.	Online Retention BMP	Completed	1999	0	0	Inside Springshed	49.50	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-14	Sabinal Ct. and Geneva St. Drainage Improvements – Prima Vista Subdivision	City applied for government modification in accordance with Paragraph 40C-42.024(2)(c), F.A.C.; city requested permission to perform construction activities in existing channel system that connects to Lake Lotta within Wekiva Recharge Protection Basin, but does not lie in Lake Apopka Basin; construction activities include removing and replacing concrete stormwater junction box, removing segment of 30-in reinforced concrete pipe (RCP), installing 18-in RCP, installing 42-in RCP to replace 30-in RCP, installing 2nd-generation baffle box, pipe end treatments, repairing and regrading channel side slopes, and installing stabilization matting; proposed improvements will alleviate flooding, improve safety, and improve water quality in subdivision that has no permitted stormwater management treatment system.	Baffle Boxes – 2nd Generation	Completed	2011	TBD	4	Inside Springshed	45.20	\$76,500	Not provided	City	Not provided	N/A
City of Ocoee	N/A	O-15	Villa Roma	8.92-ac project; construct 52-townhome subdivision to be served by wet	Wet Detention Pond	Completed	2011	1	1	Inside Springshed	8.92	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				detention system; project will provide 100-yr compensating storage, sewer area.												
City of Ocoee	N/A	O-16	Villages of West Oak Subdivision	Construct 2 dry retention ponds to serve 33-lot, single-family, 5.5-ac subdivision.	Online Retention BMP	Completed	2000	0	0	Inside Springshed	5.50	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-17	Wellington Place Subdivision	Construct surface water management system to serve 14-ac residential subdivision.	Stormwater BMPs	Completed	2003	0	0	Inside Springshed	14.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-18	West Colonial Property	Construct 6.95-ac commercial development; sewer area.	Stormwater BMPs	Underway	2015	1	0	Inside Springshed	6.95	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-19	Street Sweeping	Streets are swept daily; all debris collected from street sweeping and pollution boxes is stockpiled and sent to landfill; length = 82 mi; road length swept = 3,500 mi/yr; 600 tons of debris removed annually.	Street Sweeping	Completed	N/A	87	368	Inside Springshed	Not provided	Not provided	Not provided	City Stormwater Fund	Not provided	N/A
City of Ocoee	N/A	O-20	Lift Station #7 Rehabilitation and Relocation	Existing lift station at end of life cycle and experiencing operational issues; relocate replacement station north 900 ft, provide new generator set, provide bypass pumping, and increase pump horsepower.	Sanitary Sewer Collection System Rehabilitation, aintenance, or Replacement	Completed	2015	Not provided	N/A	Inside Springshed	N/A	\$1,901,067	Not provided	City	Not provided	N/A
City of Ocoee	N/A	O-21	Willows on the Lake	Construct surface water management system to serve 86-unit, single-family, 15.18-ac subdivision and 9.99-ac Publix shopping center.	Stormwater BMPs	Completed	2001	1	1	Inside Springshed	15.18	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-22	Bluford Ave. and Orlando Ave, Storwater Improvements Project	Project consists of retrofitting area with no stormwater collection and treatment.	Stormwater BMPs	Completed	2016	TBD	3	Inside Springshed	23.7	\$1,425,549	Not provided	City Stormwater Fund	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Ocoee	N/A	O-23	Downtown Redevelopment Master Plan – Bluford Ave. Area	Project consists of revitalizing downtown area of city with retrofitting with regional stormwater collection and treatment.	Regional Stormwater Treatment	Planned	TBD	Not provided	Not provided	Inside Springshed	100.0	\$50,000,000	Not provided	City Funding and Bond	Not provided	N/A
City of Ocoee	N/A	O-24	Public Works Complex Stormwater Management System	Retrofitting Public Works Complex with stormwater management system	Wet Detention Pond	Completed	2016	TBD	10	Inside Springshed	7.5	\$147,041	Not provided	City Stormwater Fund	Not provided	N/A
City of Ocoee	N/A	O-25	White Rd. Stormwater Improvements	Retrofitting road with exfiltration system design.	Exfiltration Trench	Completed	2017	TBD	3	Inside Springshed	1.6	\$405,960	Not provided	City Stormwater Fund	Not provided	N/A
City of Ocoee	N/A	O-26	Arden Park North Phase 2	310-ac site with construction of 7 dry retention ponds (2 of which are interconnected) for future construction. Runoff will be conveyed to master system for required treatment volume and attenuation and discharge as in predevelopment condition. Master system has been designed for future buildout condition of 595 single-family lots, roadways, storm sewer system, clubhouse, and school.	Online Retention BMP	Completed	2016	N/A	N/A	Inside Springshed	310.0	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-27	McCormick Reserve	Project consists of 133 single-family lots, roadway, storm sewer system, extending portion of Clark Rd. and 1 dry retention pond. Runoff from site will be conveyed to dry retention pond for required treatment volume and attenuation and discharge to match predevelopment condition. O&M for portion of Clark Rd. to	Online Retention BMP	Completed	2016	N/A	N/A	Inside Springshed	38.1	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				be constructed under application is City of Ocoee.												
City of Ocoee	N/A	O-28	Forest Lake Estates	Major modification to existing permit known as Whispering Pines Subdivision because of project name change, ownership change, product change, layout change and associated changes to drainage patters and infrastructure. Ocoee Pines is proposed single-family development that will consist of 278 single-family homes and community amenity center located in City of Ocoee on both east and west side of Clarcona-Ocoee Rd. There will be expansion to existing pond previously permitted with Clarcona-Ocoee Rd. under ERP 40-095-70576-6.	Stormwater BMP Retrofit/Expansion	Completed	2016	N/A	N/A	Inside Springshed	97.7	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-29	Spring Lake Reserve	Proposed project is single-family subdivision, and system includes 79 single-family lots, roads, storm sewer system, and 3 dry retention ponds (2 interconnected). Project is located in Wekiva River Hydrologic Basin.	Online Retention BMP	Completed	2016	N/A	N/A	Inside Springshed	17.4	Not provided	Not provided	Not provided	Not provided	N/A
City of Ocoee	N/A	O-30	Flewelling Ave. Stormwater Treatment System Project	Proposed modification consists of retrofitting 113-ac watershed with 2nd-generation baffle box	Baffle Boxes – 2nd Generation	Underway	2018	TBD	10	Inside Springshed	113.7	\$340,000	Unknown at this time	City of Ocoee Stormwater Utility Fund	\$1	N/A

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City of Ocoee	N/A	O-31	Fertilizer Ordinance – Orange County Ordinance No. 2017-14	Fertilizer management ordinance – countywide.	Regulations, Ordinances, and Guidelines	Completed	N/A	135	N/A	Inside Springshed	N/A	N/A	N/A	N/A	N/A	N/A
City of Ocoee	N/A	O-32	Local Landscaping Ordinance	Landscaping ordinance	Regulations, Ordinances, and Guidelines	Completed	N/A	135	N/A	Inside Springshed	N/A	N/A	N/A	N/A	N/A	N/A
City of Ocoee	N/A	O-33	PSAs	Information pamphlets, IDDE training, and pamphlets.	Public Education Efforts	Completed	N/A	270	N/A	Inside Springshed	N/A	N/A	N/A	N/A	N/A	N/A
Town of Oakland	Individual property owners	OAK-01	Single-Family Residential Infill Depressions	Install depressional retention on all new infill single-family residences in old part of town to increase recharge and decrease surface flow.	Online Retention BMP	Completed	Prior to 2015	N/A	N/A	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Town of Oakland	Town of Oakland	OAK-02	Southern Oaks – Phase 1 and 2	Drainage conveyance maintenance in established neighborhood to enable proper treatment of stormwater flows. Lack of maintenance had caused sheet flows to bypass existing treatment ponds.	Stormwater System Rehabilitation	Completed	2017	N/A	N/A	Inside Springshed	approx. 15 ac	\$30,000	Not provided	Not provided	Not provided	Not provided
Town of Oakland	Town of Oakland	OAK-03	Speer Park Stormwater	Construct earthen berm to intercept sheet flows from Speer Park and adjacent streets. Improvements provide attenuation and treatment of stormwater flows to reduce pollutant loading and erosion.	Stormwater BMPs	Completed	2016	Not provided	Not provided	Inside Springshed	approx. 5 ac	\$15,000	Not provided	Not provided	Not provided	Not provided
Town of Oakland	DEP/EPA 319(h)/ SJRWMD/ DEP TMDL/ Town of Oakland	OAK-04	Stormwater/Drainage Improvements – Mid-Town – Phase 1	Construct new stormwater collection system comprising biofiltration retention ponds, storm pipes and inlets, and swales in town's Lower Basin (Phase 1). Three existing retention ponds will be modified and will use Bold and	Stormwater BMPs	Underway	2018	8	10	Inside Springshed	39	Design Cost – unknown Construction Cost – Phase 1 \$579,787	Not provided	Not provided	Not provided	DEP #NF008 SJRWMD #28782

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				Gold™ bioabsorption material.												
Town of Oakland	Town of Oakland	OAK-05	Townwide Drainage Maintenance	Drainage conveyance maintenance in established neighborhoods to enable proper treatment of stormwater flows.	Stormwater System Rehabilitation	Completed	2017	N/A	N/A	Inside Springshed	TBD	TBD	TBD	Town	2017 – \$20,000 2018 – \$20,000	N/A
Town of Oakland	Town of Oakland	OAK-06	Oakland Sewer Master Plan	Creation of centralized wastewater system to enable "zero growth" of septic systems and to allow for conversions of existing septic systems.	Wastewater Service Area Expansion	Completed	2016	N/A	N/A	Inside Springshed	N/A					N/A
Town of Oakland	DEP	OAK-07	Oakland Sanitary Sewer – Phase 1A	Construction of regional sewage lift station and force main that conveys sewage to Clermont for treatment.	Wastewater Service Area Expansion	Completed	2017	N/A	N/A	Inside Springshed	Not provided	\$700,000+-	TBD	DEP	\$250,000	LP4803I
Town of Oakland	DEP	OAK-08	Oakland Sanitary Sewer – Phase 1B and 1C	Expansion of wastewater system to eliminate existing septic systems and allow new growth without septic.	Wastewater Service Area Expansion	Underway	2018	N/A	N/A	Inside Springshed	Not provided	Design cost – \$85,000 (est.) Construction cost – \$1,300,000 (est.)	TBD	DEP	\$1,000,000	LP4803J
Town of Oakland	Town of Oakland	Oak-09	Hull Island Development	Acquisition of 35 ac of wetlands and 2 ac of upland along south shore of Lake Apopka.	Land Acquisition	Underway	2018	N/A	N/A	Inside Springshed	37	\$500,000	N/A	N/A	N/A	N/A
Town of Oakland	DEP	Oak-10	Oakland Sewer Expansions – 2017	Installation of centralized sewer in existing industrial area (Industrial Extension) and improvements to serve areas east of SR 50 and Turnpike interchange.	Wastewater Service Area Expansion	Underway	2019	N/A	N/A	Inside Springshed	Not provided	Design cost – \$85,000 (est.) Construction cost – \$1,300,000 (est.)	TBD	DEP	\$1,000,000	LP4803L
Town of Oakland	Pulte Homes	Oak-11	Turnpike Force Main and Longleaf at Oakland Development	Construction of sanitary sewer force main under SR 50 and Florida Turnpike interchange, and sewer network to serve 200 residential units.	Wastewater Service Area Expansion	Underway	2018	N/A	N/A	Inside Springshed	Not provided	Design cost – \$40,000 Construction cost – \$5,450,000	TBD	Pulte Homes	\$5,000,000	N/A

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Town of Oakland	Town of Oakland	Oak-12	Railroad Ave. Sanitary Sewer Lift Station	Construct regional sewage lift station and associated gravity sewer to allow for future septic system abandonments.	Wastewater Service Area Expansion	Underway	2018	N/A	N/A	Inside Springshed	Not provided	Design cost – \$35,000 Construction cost – \$400,000	TBD	Town	\$430,000	N/A
Orange County	Not provided	OC-01	Elba Way	Erosion protection of Little Wekiva River; install gabions, grade control structures, river reshaping.	Shoreline Stabilization	Completed	Prior to 2015	24	35	Inside Springshed	N/A	\$1,000,000	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-02	Gusty Lane	Remove existing triple aluminum pipes along Little Wekiva River at Gusty Lane Dr. and replace with control structure using rip-rap and gabion materials; install pipe and inlet for existing ditch adjacent to canal.	Control Structure	Completed	Prior to 2015	5	8	Inside Springshed	N/A	\$132,000	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-03	NRCS Riverside Acres	Erosion protection of Little Wekiva river bank, install rip-rap; project length = 287 ft.	Shoreline Stabilization	Completed	Prior to 2015	7	11	Inside Springshed	N/A	\$650,000	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-04	NRCS Riverside Park Ave.	Erosion protection of Little Wekiva riverbank, install rip-rap; project length 150 ft.	Shoreline Stabilization	Completed	Prior to 2015	4	6	Inside Springshed	N/A	\$350,000	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-05	Riverside Acres Arch Pipe	Replace existing 1,750 ft of pipe-arch pipe in Riverside Acres Subdivision with open channel section and restore to reflect original river configuration.	Hydrologic Restoration	Completed	Prior to 2015	Not provided	Not provided	Inside Springshed	N/A	\$5,000,000	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-06	Riverside Park Rd.	Banks in main stem of river and into Lake Lovely Outfall Canal, including grade control structure; project includes gabions, Reno mattress, and riprap channel bottom and side bank protection.	Shoreline Stabilization	Completed	Prior to 2015	25	38	Inside Springshed	N/A	\$600,000	Not provided	Not provided	Not provided	Not provided

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Orange County	Not provided	OC-07	Sherry Dr.	Erosion protection of Little Wekiva River bank; install gabion block and Reno mattress; project length = 400 ft.	Shoreline Stabilization	Completed	Prior to 2015	10	15	Inside Springshed	N/A	\$600,000	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-08	Little Wekiva Slope Stabilization West/East Banks	Eliminate bank erosion by using steel sheet pile.	Shoreline Stabilization	Completed	Prior to 2015	32	49	Inside Springshed	N/A	\$700,000	Not provided	Not provided	Not provided	Not provided
Orange County	Orange County	OC-09	Lake Lucie Conservation Area	Previous land use = agriculture; management focus = scrub habitat and water resource, passive recreational; ac = 166.22.	Land Use Change	Completed	Prior to 2015	9	11	Inside Springshed	166	\$4,397,800	N/A	N/A	Inside Springshed	N/A
Orange County	Orange County/ SJRWMD/ Orlando-Orange County Central Florida Expressway Authority (OOCEA)/ Lake County/ TIF	OC-10	Neighborhood Lakes	DEP, SJRWMD, OOCEA, and Lake and Orange Counties partnered to buy land and put into conservation; previous land use = agriculture; management focus = water resource, passive; ac = 1,584 (498 ac in Orange County).	Land Acquisition	Completed	Prior to 2015	N/A	N/A	Inside Springshed	498	\$7,000,000	N/A	Not provided	Not provided	N/A
Orange County	Orange County	OC-11	Pine Plantation	Previous land use = agriculture; management focus = passive recreation, preservation; ac = 40.	Land Use Change	Completed	Prior to 2015	0	0	Inside Springshed	40	\$1,000,000	N/A	N/A	N/A	N/A
Orange County	Orange County	OC-12	Sandhill Preserve	Previous land use = agriculture; management focus = water resource, sandhill; ac = 83.03.	Land Use Change	Completed	Prior to 2015	7	8	Inside Springshed	83	\$3,320,000	N/A	N/A	N/A	N/A
Orange County	Not provided	OC-13	Stormwater Pond Inspection	Inspect private/public stormwater ponds for compliance with performance and permit conditions.	Stormwater BMP Inspections	Completed	Prior to 2015	N/A	N/A	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-14	Tree Planting at Elba Way/Riverside Park	Project will reduce temperature of water and improve SCI.	Tree Planting	Completed	Prior to 2015	N/A	N/A	Inside Springshed	N/A	\$55,000	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-15	11th and 12th St. Improvement	New stormwater treatment to serve 11th and 12th Sts.; 8.8 ac.	Stormwater BMP	Completed	Prior to 2015	12	69	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided

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Orange County	Not provided	OC-16	Clarcona Ocoee East and West Segments	Four-lane road improvement; existing 2 lanes do not have stormwater treatment; project length = 2.5 mi.	Stormwater BMP	Underway	Not provided	8	47	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-22	Rock Spring Rd.	Four-lane road improvement; existing 2 lanes do not have stormwater treatment; project length = 2 mi.	Stormwater BMPs	Completed	Prior to 2015	7	39	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-23	11th Ave.	Pave .3-ac dirt road; treatment with open swales and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	0	2	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-24	13th Ave.	Pave .5-ac dirt road; treatment with open swales and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	1	4	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-25	15th Ave.	Pave .3-ac dirt road; treatment with open swales and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	0	2	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-26	17th Ave.	Pave .6-ac dirt road; treatment with open swales and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	1	5	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-27	Lake Pleasant Rd. Improvement	Pave .12-ac dirt road; treatment with open swales and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	0	1	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-28	Quenton Ave. and Range Dr.	Pave 0.3-ac dirt road; treatment with open swale and ditch blocks	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	0	2	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-29	Ridge Terrace and Roan Rd.	Pave 1-ac dirt road; treatment with open swale and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	1	9	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-30	New Hampshire	Pave 0.6-ac dirt road; treatment with open swale and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	1	6	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-31	Sadler Rd.	Pave 1.1-ac dirt road; treatment with open swales and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	2	9	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-32	Alternative Surface Program – Group IIIA Projects	Pave 98.93-ac dirt road; treatment with open swales and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	140	780	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided

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Orange County	Not provided	OC-33	Alternative Surface Program – Group IIB Projects	Pave 61.53-ac dirt roads; treatment with open swales and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	87	485	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-34	Boxwood Dr. and Bull Run Rd.	Pave 0.9-ac dirt road; treatment with open swales and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	1	7	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-35	Hereford Rd., Highland St., and Holly St.	Pave 1.5-ac dirt road; treatment with open swales and ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Prior to 2015	2	12	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-36	Street Sweeping	Streets are swept every 6 wks; 481,128 lbs/yr of material removed.	Street Sweeping	Completed	N/A	29	121	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Orange County	Not provided	OC-37	Lake Gandy Hydrologic and Nutrient Study	Study to evaluate hydrologic conditions and nutrient loadings to Lake Gandy.	Study	Completed	Prior to 2015	N/A	N/A	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Orange County	Not provided	OC-39	Force Main/Gravity Replacement	Install 1,200 ft of 4-in force main; new force main expected to prevent wastewater leakage; All American Blvd. from Clarcona Ocoee to Kennedy; force main from Avalon Rd. to Hiwassee Rd. 7,600 LF 36-in force main; 760 LF 30-in force main; and 1,200 LF 12-in force main. Many parcels near 35-21-28-0000-00-150; install 4,500 LF of 12-in force main. New force main expected to prevent wastewater leakage. Clarcona Ocoee Rd. from Ingram to Clarke; install 11,000 LF of force main from Indian Hill Rd. to PS #3411. New force main will prevent wastewater leakage. North Pine Hills Rd. at Indian Hill Rd. and Clarcona	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Underway	TBD	N/A	N/A	Inside Springshed	N/A	\$10,494,000	Not provided	Not provided	Not provided	Not provided

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				Ocoee Rd.; relocate 710 LF 4-in force main 1,280 LF 16-in force main; and 710 LF 8-in gravity main. Many parcels near 30-21-29-0521-00-010.												
Orange County	Not provided	OC-40	Pump Station Removal/Relocation (R/R)	Replace multiple pump stations.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	N/A	N/A	Inside Springshed	N/A	\$13,263,500	Not provided	Not provided	Not provided	Not provided
Orange County (Utilities)	Not provided	OC-41	Force Main/ Gravity Sewer Rehabilitation	Combine cured in place pipe (CIPP) and point repairs to restore 10,000 LF of 8-in gravity sanitary sewer, including lining or coating 40 manholes. Near 20-22-29-4552-08-001; in addition to upsized storm pipes that go to Lake Robin, project includes replacing force main, gravity line, and manhole; replacement of force main will reduce leakage of sewage. Near 24-22-	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Underway	2016	TBD	TBD	Inside Springshed	N/A	\$1,780,000	Not provided	Not provided	Not provided	Not provided

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				28-7573-15-250; remove and relocate Pump Station #3045, plus remove existing force main and install 800 ft of gravity sewer., 29-21-29-4940-00-230.												
Orange County	Not provided	OC-42	Little Wekiva STA	Stormwater treatment train.	BMP Treatment Train	Planned	2021	TBD	TBD	Inside Springshed	Not provided	\$5,000,000	Not provided	County	Not provided	Not provided
Orange County	Not provided	OC-43	Lake Gandy BMP	Stormwater treatment train.	BMP Treatment Train	Canceled	N/A	N/A	N/A	Inside Springshed	150	\$1,000,000	Not provided	County	Not provided	Not provided
Orange County	Orange County Utilities (OCU)	OC-45	Northwest WRF Phase III Expansion	Project consists of design and construction of new physical, biological and chemical treatment facilities for raw sewage. WRF will be upgraded from 7.5 to 11.25 mgd and nitrogen will be reduced to less than 3 mg/L. Pretreatment structural improvements, additional biological nutrient removal basins, modification of clarifier equipment, addition of cloth filtration, additional chlorine contact facilities.	WWTF Nutrient Reduction	Completed	2012	TBD	45,000	Inside Springshed	N/A	\$31,000,000/ Capital Dollars	Not provided	OCU Capital Improvements Program Budget	Not provided	N/A
Orange County	Not provided	OC-46	Little Wekiva CIBs	Install 180 CIBs around Little Wekiva Basin.	Catch Basin Inserts	Completed	2017	11	18	Inside Springshed	N/A	\$196,899	22,000	County	Not provided	Not provided
Orange County	OCEPD	OC-47	Trimble Park Office Septic	Septic upgrade to passive nitrogen treatment.	Septic Enhancement	Completed	2018	TBD	1	Inside springshed	N/A	\$0	Not provided	Vendor	Not provided	Not provided

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Orange County	Facilities/Parks	OC-48	Magnolia Park Sanitary Connection	Conversion of park facilities from septic to sanitary.	Septic Phase Out	Underway	2018	TBD	86	Inside springshed	N/A	\$400,000	Not provided	DEP	\$250,000	Appropriation
Orange County	Facilities/Parks	OC-49	Camp Joy Sanitary Connection	Conversion of park facilities from septic to sanitary.	Septic Phase Out	Underway	2019	TBD	4	Inside springshed	N/A	Not provided	Not provided	County	Not provided	Not provided
Orange County	Orange County Library System (OCLS)	OC-50	North Orange Branch Sanitary Connection	Conversion of facilities from septic to sanitary.	Septic Phase Out	Underway	2018	TBD	22	Inside springshed	N/A	\$105,832	Not provided	OCLS	Not provided	Not provided
Orange County	OCEPD	OC-51	Lake Gandy BMP	Treatment train consisting of activated media beds, modular wetlands.	Other	Planned	2020	TBD	9	Inside springshed	N/A	\$1,000,000	Not provided	County	Not provided	Not provided
City of Orlando	Not provided	ORL-01	Compliance Inspections of Private Stormwater Systems	Inspect annually all 233 commercial, single-family, and multifamily systems in basin for functionality; systems include, but are not limited to, retention and detention ponds, underdrains, exfiltration, and underground vaults; by maintaining ponds at design criteria, city is ensuring optimal level of pollutant removal efficiency is being achieved.	Stormwater BMP Inspections	Completed	1989	N/A	N/A	Inside Springshed	N/A	Not provided	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided
City of Orlando	Not provided	ORL-02	Stormwater System Inspections	Inspection and perform routine maintenance on 13 ponds and 31 ditches in basin to ensure systems are maintained at optimal pollutant removal efficiency (and flood prevention).	Stormwater BMP Inspections	Completed	1970	N/A	N/A	Inside Springshed	N/A	Not provided	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided
City of Orlando	Not provided	ORL-03	Two Inlet Baskets Around Lake Daniel	Install (2006) 2 inlet baskets in Lake Daniel Basin; 1.89 cubic yds/yr of material collected.	Catch Basin Inserts	Completed	N/A	0	2	Inside Springshed	N/A	\$1,500	Not provided	City /Streets and Stormwater Division	Not provided	Not provided
City of Orlando	Not provided	ORL-04	22 Inlet Baskets Around Lake Orlando	Install (2008) 22 inlet baskets in Lake Orlando Basin; 47.29 cubic yds/yr of material collected.	Catch Basin Inserts	Completed	N/A	11	45	Inside Springshed	22	\$7,770	Not provided	City /Streets and Stormwater Division	Not provided	Not provided

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City of Orlando	Not provided	ORL-12	Street Sweeping	Streets are swept every 2 wks; 5,023.2 cubic yds/yr of material collected.	Street Sweeping	Completed	N/A	23	98	Inside Springshed	Not provided	Not provided	Not provided	City /Streets and Stormwater Division	Not provided	N/A
City of Orlando	Not provided	ORL-13a	Little Wekiva River – Preliminary Engineering Evaluation Lake Lawne, Center of Commerce, and Lake Orlando Sites	Nutrient reduction projects in Little Wekiva River Watershed, using suggested drainage improvements from CDM report.	Study	Completed	2008	N/A	N/A	Inside Springshed	N/A	\$49,900	N/A	City /Streets and Stormwater Division	Not provided	N/A
City of Orlando	Not provided	ORL-15	Fairview Shores – North Service Area	Improve sanitary sewer, drainage, and roadway; install new sanitary force main, lift station (#65), and gravity pipes in area with septic tanks to reduce nutrient seepage into groundwater table; install 2 Stormceptors™ to capture pollutants before they reach lake.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2008	Not provided	Not provided	Inside Springshed	N/A	\$4,522,401	Not provided	City /Water Reclamation Division	Not provided	Not provided
City of Orlando	Not provided	ORL-20	Lift Station #85 Variable Frequency Drive	Install variable frequency drives that will extend life of pump motors, preventing potential overflows; will also be more energy efficient at future cost savings to city.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	Not provided	Not provided	Inside Springshed	N/A	N/A	Not provided	City of Orlando/Water Reclamation Division	Not provided	Not provided
City of Orlando	Not provided	ORL-21	Lift Station #93 Improvements	Relocate and completely rebuild lift station with new, upgraded equipment, including generator not present at previous location.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2001	Not provided	Not provided	Inside Springshed	N/A	\$767,632	Not provided	City /Water Reclamation Division	Not provided	Not provided
City of Orlando	DEP	ORL-28	Water Conserv II Treatment Improvements	Updated WWTF infrastructure to achieve lower nutrient concentrations – Replaced aging blowers and diffusers; added internal recycle and big bubble mixing. rebuilt secondary	WWTF Nutrient Reduction	Completed	2016	69,436	Not provided	Inside Springshed	1,160	12,500,000	Not provided	DEP State Revolving Fund (SRF)	\$11,700,000	WW480400

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				clarifiers with spiral scrapers and clarifier inlet.												
City of Orlando	N/A	ORL-30	OSTDS Identification, Assessment and Alternatives Development Study	Identify and inventory OSTDS areas with in city service area and Wekiva Overlay District; Develop ranking criteria and cost estimates for retrofit of OSTDS; Prioritize areas for retrofit consideration.	Study	Underway	2018	N/A	N/A	Inside Springshed	N/A	112,000	N/A	City /Water Reclamation Division	\$112,000	N/A
Seminole County	Not provided	SC-01	Sweetwater Cove Dredging and Drainage Improvements and Sweetwater Tributary Erosion Project	Increase water quality treatment resonance time through water quality treatment pond expansion, construct online sedimentation basin; carry out erosion control measures along Sweetwater Creek; area served = 2,181 ac.	Stormwater BMP Retrofit/Expansion	Completed	2010	396	68	Inside Springshed	2,181	\$2,700,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-02	Grade Control Structures 6 and 7	Reduce sediment loads through bank stabilization and river grade control structures in Little Wekiva River; area served = >5,000 ac.	Shoreline Stabilization	Completed	2001	26	18	Inside Springshed	N/A	\$300,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-03	Horse Lovers Lane Erosion Control Project	Reduce sediment loads through bank stabilization along Spring Lake outfall, tributary to Little Wekiva River; use gabions and grade control structures plus replace culverts; area served = >1,000 ac.	Shoreline Stabilization	Completed	2004	17	12	Inside Springshed	N/A	\$700,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-04	North Western Erosion Control Project	Reduce sediment loads through bank stabilization along Little Wekiva River;	Shoreline Stabilization	Completed	2004	5	3	Inside Springshed	N/A	\$950,000	Not provided	Not provided	Not provided	Not provided

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				area served = >5,000 ac.												
Seminole County	Not provided	SC-05	Weathersfield Erosion Control Project	Reduce sediment loads through bank stabilization along Little Wekiva River; area served = >5,000 ac.	Shoreline Stabilization	Completed	2001	4	3	Inside Springshed	N/A	\$750,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-10	Mirror Lake	Exotics removal/ revegetation with native species. Accomplished using in-house staff, residents, and volunteers.	Exotic Vegetation Removal	Completed	2010	Not provided	Not provided	Inside Springshed	N/A	\$75,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-14	Bear Lake Rd. Reconstruction	Provide water quality treatment to existing roadway and subdivision through increased wet retention and use of existing dry retention pond; area served = 32 ac.	Stormwater BMPs	Completed	2008	14	32	Inside Springshed	Not provided	\$2,200,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-15	Bunell Rd. Widening	Provide treatment to untreated roadway through construction of new wet retention basin and exfiltration trench; designed to hold treatment volume plus 50 %; area served = 7.5 ac.	Stormwater BMPs	Completed	2010	5	9	Inside Springshed	Not provided	\$3,200,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-16	Eden Park Rd.	Provide treatment to untreated roadway through exfiltration, installation of CDS units, and new wet retention basin; area served = 10.6 ac.	Stormwater BMPs	Completed	2010	9	14	Inside Springshed	Not provided	\$3,500,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-19	Triangle Dr. Treatment Pond	Construct wet detention pond and provide ecological restoration on drainage parcel near Triangle Dr. prior to draining into Lake Brantley; area served = 372 ac.	Wet Detention Pond	Canceled	N/A	34	146	Inside Springshed	Not provided	\$800,000	Not provided	Not provided	Not provided	Not provided

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Seminole County	Not provided	SC-20	Wekiva Springs Rd. at Wekiva Springs State Park	Construct 2 interconnected sedimentation ponds to provide additional water quality treatment for 2 square mi of residential development; area served = 2 square mi.	Online Retention BMP	Completed	2005	25	50	Inside Springshed	2 square mi	\$220,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-21	Wekiva Springs Rd. Hunt Club to Fox Valley	Provide water quality treatment to existing roadway through swales; area served = 7 ac.	Grass Swales with Swale Blocks or Raised Culverts	Completed	2008	8	9	Inside Springshed	Not provided	\$1,800,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-22	West Wekiva Tr. Treatment Pond	Construct wet detention pond and provide ecological restoration on drainage parcel north of West Wekiva Tr. prior to discharge into Wekiva River; area served = 220 ac.	Wet Detention Pond	Underway	TBD	17	74	Inside Springshed	Not provided	\$900,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-24	Wekiva Springs Rd. – SR 434 to Sabal Point	Provide water quality treatment for new impervious portions of roadway improvements through construction of online exfiltration trench; area served = 3.4 ac.	Exfiltration Trench	Completed	2008	2	3	Inside Springshed	Not provided	\$6,900,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-25	Street Sweeping	Street sweeping in Big Wekiva and Little Wekiva Basins.	Street Sweeping	Completed	N/A	3	14	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Seminole County	Not provided	SC-26	Bear Lake Chain-of-Lakes Hydrology/ Nutrient Budget and Water Quality Management Plan	Detailed nutrient and hydrologic study, identifying and quantifying all nutrient sources, including internal loading, groundwater, surface water, precipitation, etc.; management plan includes potential structural and nonstructural improvements that can be made to protect and enhance water quality.	Study	Completed	Prior to 2015	N/A	N/A	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Seminole County	Not provided	SC-27	Spring Lake/Spring Lake Watershed Hydrology/Nutrient Budget and Water Quality Management Plan	Detailed nutrient and hydrologic study, identifying and quantifying all nutrient sources, including internal loading, groundwater, surface water, precipitation, etc.; management plan includes potential structural and nonstructural improvements that can be made to protect and enhance water quality.	Study	Underway	TBD	N/A	N/A	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Seminole County	Not provided	SC-28	Wekiva Basin Stormwater Pond Enhancement Feasibility Study for Nitrogen Transport	Preliminary analysis of nitrogen transport into and out of retention pond/groundwater, and follow-up analysis of improvements made to groundwater discharge after addition of Bold and Gold™ amendment to pond bottom.	Study	Underway	TBD	N/A	N/A	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Seminole County	Not provided	SC-29	Seminole County Water Quality Master Plan	Countywide assessment of all water quality data, monitoring programs, regional ponds, CIP projects, etc., to improve efficiency and effectiveness of existing programs and identify additional structural/nonstructural improvement projects.	Study	Underway	TBD	N/A	N/A	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Seminole County	Not provided	SC-31	Bridgewater Dr.	Manhole sealing.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	N/A	N/A	Inside Springshed	N/A	\$16,179	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-33	Lift Station Rehabilitation	Seal wet well and rehabilitate lines at lift stations (Wilson School, Breckenridge, Stockbridge, Lake Forest #5, Buckingham, Retreat at Wekiva, Aster	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	N/A	N/A	Inside Springshed	N/A	\$324,353	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Farms, Bel-Aire #3, Bel-Aire #1, Heathrow Master).												
Seminole County	Not provided	SC-35	Bear Lake Drainage Improvements (Hamilton Pond)	Regional stormwater facility (RSF) for Bear Lake, Little Bear Lake.	Regional Stormwater Treatment	Underway	2018	Not provided	Not provided	Inside Springshed	23	\$1,150,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-37	Alton Dr. Stormwater Pond	Modify existing stormwater pond to increase treatment efficiency and reroute untreated stormwater into existing pond.	Wet Detention Pond	Underway	2019	Not provided	Not provided	Inside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	Not provided
Seminole County	Not provided	SC-39	Lake Asher Restoration	Mechanical removal of vegetative material and associated organic matter. Shoreline planting with natives.	Aquatic Vegetation Harvesting	Completed	2017	Not provided	Not provided	Inside Springshed	N/A	\$285,000	Not provided	Florida Legislature	Not provided	Not provided
Seminole County	Not provided	SC-43	Sweetwater Cove Shoreline Restoration	Planted native aquatic vegetation along individual homeowner shorelines.	Creating/Enhancing Living Shoreline	Completed	2017	Not provided	Not provided	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-44	Lake Brantley Shoreline Restoration	Planted native aquatic vegetation along individual homeowner shorelines.	Creating/Enhancing Living Shoreline	Completed	2017	Not provided	Not provided	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-45	Mirror Lake Shoreline Restoration	Planted native aquatic vegetation along individual homeowner shorelines.	Creating/Enhancing Living Shoreline	Completed	2017	Not provided	Not provided	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-46	Bear Lake Shoreline Restoration	Planted native aquatic vegetation along individual homeowner shorelines.	Creating/Enhancing Living Shoreline	Planned	TBD	Not provided	Not provided	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-47	Sweetwater Cove Lyngbya Harvesting	Harvesting of lyngbya.	Macroalgal Harvesting	Completed	2017	Not provided	Not provided	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-48	Nutrient Filter Pilot Project	Not provided.	TBD	Planned	TBD	Not provided	Not provided	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Seminole County	Not provided	SC-52	Lynwood Gravity Main and Manhole Repairs	Seal and coat 5 manholes; CIPP lining of 1,445 LF of 8-in gravity main.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2017	Not provided	Not provided	Inside Springshed	Not provided	\$57,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-53	Foxwood Pump Station Rehabilitation	Rehabilitation including 2 new Flygt, new pump base plates and elbow; new 4-in stainless steel discharge piping.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2017	Not provided	Not provided	Inside Springshed	Not provided	\$48,000	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Seminole County	Altamonte/Casselberry/Lake Mary/Longwood/Oviedo	SC-54	Seminole County Fertilizer Ordinance	Reduction of nitrogen and phosphorus sources, through public education and restrictions on usage.	Regulations, Ordinances, and Guidelines	Completed	N/A	1,736	Not provided	Inside Springshed	14,267	150,000	65,000	Ad Valorem Taxes and FFL Cost-Share	\$28,000 Annual City Cost-Share Total/ \$37,000 County Portion	NF034
Seminole County	Altamonte/Casselberry/Lake Mary/Longwood/Oviedo	SC-54a	Seminole County Ordinance and Education Credits	Additional credits from Seminole County ordinance outside of standard 6 %. Ordinance is more restrictive than state model as follows: 15-foot setback from waterbodies; no nitrogen fertilizer during rainy season (June 1 to Sept. 30); at least 50 % slow-release nitrogen (SRN) outside rainy season, increasing to 65 % SRN after 3 yrs. Seminole County is working on quantifying reductions attributed to ordinance through multipronged assessment of Wekiva Subbasin, including educational outreach, behavioral surveys, and nutrient studies. Estimated nitrogen reductions are based on leaching calculations.	Regulations, Ordinances, and Guidelines	Planned	TBD	TBD	Not provided	Inside Springshed	14,267	150,000	65,000	Ad Valorem Taxes and FFL Cost-Share	\$28,000 Annual City Cost-Share Total/\$37,000 County Portion	NF034
Seminole County	Not provided	SC-55	Spring Lake Baffle Box	Retrofit existing inlet as pollutant removal structure.	Baffle Boxes – 2nd Generation	Planned	TBD	Not provided	21	Inside Springshed	55	200,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-56	Spring Lake Outfall Canal Excavation	Excavate and recontour outfall canal to remove existing accumulations of organic muck and vegetation debris.	Muck Removal/Restoration Dredging	Planned	TBD	Not provided	Not provided	Inside Springshed	Not provided	580,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-57	Spring Lake Hills Outfall Weir Rehabilitation	Rehabilitate weir in Spring Lake Hills wetland to maximize retention time.	Control Structure	Underway	2018	Not provided	108	Inside Springshed	Not provided	15,000	Not provided	Not provided	Not provided	Not provided

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Seminole County	Not provided	SC-58	Hibiscus Lane Stormwater Pump Station	Small pumping station at Sunset Rd. and Balmy Beach Dr. to pump discharges through drainage system into existing treatment pond.	Other	Planned	TBD	Not provided	Not provided	Inside Springshed	Not provided	400,000	Not provided	Not provided	Not provided	Not provided
Sanlando Utilities Corp.	Not provided	SUC-02	Wekiva WWTF Rehabilitation	Improved treatment process that results in increased reliability and consistency in producing reuse quality effluent.	Reclaimed Water	Underway	2018	Not provided	Not provided	Inside Springshed	N/A	\$1,837,324	Not provided	Sanlando Utilities	N/A	N/A
Sanlando Utilities Corp.	Not provided	SUC-03	Wekiva Filter Media Replacement	Improved treatment process that results in increased reliability and consistency in producing reuse quality effluent.	Reclaimed Water	Completed	2016	Not provided	Not provided	Inside Springshed	N/A	\$85,747	Not provided	Sanlando Utilities	N/A	N/A
Sanlando Utilities Corp.	Not provided	SUC-04	Shadow Hills WWTF Diversion	Shadow Hills WWTF is in secondary zone of Wekiva Protection Area, uses perolation ponds for disposal. Project will divert all plant flow to Wekiva Hunt Club, treated to reuse standards, and thus reduce nutrient load on surficial aquifer.	Reclaimed Water	Underway	2018	Not provided	Not provided	Inside Springshed	N/A	\$7,781,739	Not provided	Sanlando Utilities	N/A	N/A
Turnpike Enterprise	Not provided	TP-01	Widen Turnpike, Beulah to SR 50	Roadway; 3 in treated in dry retention; recovered in 72 hrs.	Online Retention BMP	Completed	2016	62	53	Inside Springshed	223	\$82,632,000	\$41,855	Not provided	Not provided	Not provided
Turnpike Enterprise	Not provided	TP-02	Widen Turnpike, Gotha to Beulah	Roadway; 1.25 in treated in dry retention, recovered in 72 hrs	Online Retention BMP	Completed	2016	158	151	Inside Springshed	279	\$55,248,000	\$37,628	Not provided	Not provided	Not provided
Turnpike Enterprise	N/A	TP-04	Education Efforts	No fertilizer on rights-of-way; educational signage; illicit discharge training	Fertilizer Cessation	Completed	N/A	Not provided	Not provided	Inside Springshed	N/A	N/A	N/A	N/A	N/A	N/A
Turnpike Enterprise	N/A	TP-05	Street Sweeping	Street sweeping mile post (MP) (265-274) 600 lane mi/yr.	Street Sweeping	Completed	N/A	TBD	70	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
City of Winter Garden	Not provided	WG-01	Tucker Ranch	City purchased 208 ac of agricultural land to convert to primitive campground/park.	Land Use Change	Completed	2016	302	Not provided	Inside Springshed	208	\$2,100,000	N/A	N/A	N/A	N/A

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City of Winter Garden	Not provided	WG-02	Dillard Street Pond Expansion	Project is part of permitting process for new city hall in Winter Garden; modify storm sewer system adjacent to pond to treat previously untreated runoff.	Stormwater BMP Retrofit/Expansion	Completed	2009	41	Not provided	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
City of Winter Garden	Not provided	WG-03	Plant St. Segment 1	Project involves widening Plant St., including blowing out intersection of West Crown Point Rd. in Winter Garden; no stormwater treatment for this section of road prior to widening.	Stormwater BMP Retrofit/Expansion	Completed	2016	38	Not provided	Inside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
City of Winter Garden	Not provided	WG-04	Street Sweeping	Streets are swept weekly; total swept = 12,266 mi/yr. Catch basins vacuumed quarterly. Total material collected was 1,772,000 lbs split between sweeping and BMP clean outs.	Street Sweeping	Completed	N/A	202	838	Inside Springshed	14,868	Not provided	Not provided	Not provided	Not provided	N/A
City of Winter Garden	Not provided	WG-05	SR 50 Utility Relocation	Replace city utilities because of widening of SR 50; project includes replacement of 5,210 LF of 24-in clay pipe and 2,650 LF of 18-in clay pipe.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2012	Not provided	Not provided	Inside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Winter Garden	SJRWMD/ DEP	WG-06	Stormwater Capture and Reuse and Recharge	Berming of 2 direct-discharge canals to Lake Apopka and treat stormwater to reuse standards to be put into distribution system.	Stormwater Reuse	Completed	2018	TBD	2,794	Inside Springshed	980.0	\$3,360,000	Not provided	City/ DEP/ SJRWMD	DEP – \$750,000 SJRWMD – \$750,000 City – \$1,860,000	28432
Wekiwa State Park	Not provided	WSP-01	Pine Plantation	Previous land use = agriculture; Management focus = groundwater recharge, natural community restoration and preservation; ac = 344.73.	Land Use Change	Completed	Prior to 2015	Not provided	Not provided	Inside Springshed	345	Not provided	N/A	N/A	Inside Springshed	N/A
Wekiwa State Park	Not provided	WSP-02	Remove Wekiva State Park from Septic	Four-phase plan.	Septic Phase Out	Underway	TBD	Not provided	Not provided	Inside Springshed	N/A	\$1,616,775	Not provided	Not provided	Not provided	Not provided

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Wastewater Utilities	TBD	WU-01	WWTF Policy Reductions	Achieved by WWTF policy if implemented BMAP-wide, achieving 3 or 6 mg/L.	WWTF Policy Reductions	Planned	TBD	54,754	N/A	Inside Springshed	N/A	TBD	TBD	TBD	TBD	N/A
Orange County	Not provided	OC-44	Kathleen Dr.	Erosion control.	Erosion Control	Underway	2018	TBD	TBD	Not provided	1,000	\$514,000	Not provided	County	Not provided	Not provided
City of Altamonte Springs	N/A	AS-06	Cracker Barrel Development	Redevelop commercial site and expand existing exfiltration system, raising level of treatment to current city standards.	Exfiltration Trench	Completed	2002	1	0	Outside Springshed	2	N/A	N/A	Private Development – unknown	N/A	N/A
City of Altamonte Springs	N/A	AS-07	Fairfield Marriot Suites Development	Construct 92-room Fairfield Suites Hotel to replace commercial development constructed prior to stormwater development rules, raising level of water quality treatment onsite to meet city standards.	Stormwater BMP	Completed	2000	4	1	Outside Springshed	3	N/A	N/A	Private Development – unknown	N/A	N/A
City of Altamonte Springs	N/A	AS-08	Florida Hospital Development	Proposed development is for construction of 6,000 square-ft worship center, associated paved parking, and upgrades to existing stormwater management system to replace existing parking lot.	Stormwater BMP	Completed	2005	12	1	Outside Springshed	31	N/A	N/A	Private Development – unknown	N/A	N/A
City of Altamonte Springs	N/A	AS-10	Maitland Ave. Walgreens Development	Redevelop 1.46-ac commercial site and expand existing exfiltration system, raising level of treatment to current city standards.	Exfiltration Trench	Completed	2002	6	1	Outside Springshed	1	N/A	N/A	Private Development – unknown	N/A	N/A
City of Altamonte Springs	N/A	AS-11	Panera Bread (SR 434) Development	Demolish and remove existing impervious area for construction of new 4,479-square-ft restaurant; replace existing commercial building and residential areas; raise level of treatment to meet city standards.	Stormwater BMP	Completed	2007	1	0	Outside Springshed	1	N/A	N/A	Private Development – unknown	N/A	N/A

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City of Altamonte Springs	N/A	AS-12	River Run South Pond 23 Improvement Project	Enlarge existing retention pond.	Online Retention BMP	Completed	2004	2	1	Outside Springshed	4	\$100,000	\$1,000	Stormwater Utility Fund	100,000	N/A
City of Altamonte Springs	N/A	AS-15a	Street Sweeping	Street sweeping occurs daily; total swept = 5,000 mi/yr – Split between springshed and surface.	Street Sweeping	Completed	N/A	3,413	4,440	Outside Springshed	245	\$480,000 (\$240,000/sweeper)	\$100,000	Stormwater Utility Fund	\$480,000 (\$240,000/sweeper)	N/A
City of Altamonte Springs	N/A	AS-18	Wekiva GeoPark Restoration Project	Conservation project – Restore 20 ac of wetlands in Wekiva Basin GeoPark; includes removal of logging roads.	Wetland Restoration	Completed	2000	N/A	N/A	Outside Springshed	N/A	\$387,500	N/A	Stormwater Utility Fund/Capital Projects	387,500	N/A
City of Altamonte Springs	N/A	AS-19	Adventist Health System Headquarters Development	Remove 5 septic systems within 200 meters of receiving waterbody by connecting them to city sanitary system.	Septic Phase Out	Completed	2011	72	13	Outside Springshed	N/A	N/A	N/A	Private Development – unknown	N/A	N/A
City of Altamonte Springs	N/A	AS-20	Spring St., Central St., Marker St., and Campello St. Septic System Removal	Remove 7 septic systems within 200 meters of receiving waterbody by connecting them to city sanitary system.	Septic Phase Out	Completed	2011	101	18	Outside Springshed	N/A	N/A	N/A	Private Development – unknown	N/A	N/A
City of Altamonte Springs	N/A	AS-21	640 Jasmine Ave. Septic System Removal	Remove 1 septic system within 200 meters of receiving waterbody by connecting it to city sanitary system.	Septic Phase Out	Completed	2011	15	3	Outside Springshed	N/A	N/A	N/A	Private Development – unknown	N/A	N/A
City of Altamonte Springs	N/A	AS-22	Storage and Retrieval of Reclaimed Water in Cranes Roost RSF	DEP-permitted storage and retrieval of reclaimed water in Cranes Roost in 2002.	Reclaimed Water	Completed	2002	3,827	1,481	Outside Springshed	N/A	\$152,284	N/A	N/A	N/A	N/A
City of Altamonte Springs	N/A	AS-24	Central Parkway Force Main Replacement from Lift Station 54 to Montgomery Rd.	Replace 1,230 LF of failing 8-in force main.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2007	5	4	Outside Springshed	N/A	\$245,133	N/A	Public Works Capital Project Fund	245,133	N/A
City of Eustis	Not provided	E-01	Cardinal Pond	Retention for area along Bates Ave. between Glover St. and Wall St.	Online Retention BMP	Completed	2015	Not provided	Not provided	Outside Springshed	Not provided	\$300,000	Not provided	Not provided	Not provided	Not provided

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City of Eustis	Not provided	E-02	Downtown Master Stormwater Project	Wet detention for downtown area; 32.4-ac drainage basin; project will provide pollutant reduction of 64.5 % TN and 40 % TP; small eastern portion of new lines falls in springshed.	Wet Detention Pond	Completed	2015	Not provided	Not provided	Outside Springshed	Not provided	\$4,000,000	Not provided	Not provided	Not provided	Not provided
City of Eustis	SJRWMD	E-03	Eastern WWTP Expansion	Eastern WWTP is currently being upgraded to 1.3 mgd to serve new developments in area.	WWTF Upgrade	Underway	TBD	Not provided	Not provided	Outside Springshed	767.0	\$7,500,000	Not provided	City and SJRWMD Funded	Not provided	Not provided
City of Eustis	Not provided	E-04	Stormwater Design Rules	Eustis code sec. 115-5. Eustis stormwater rules for new development are more stringent than state or SJRWMD rules.	Regulations, Ordinances, and Guidelines	Completed	N/A	Not provided	Not provided	Outside Springshed	N/A	N/A	N/A	N/A	N/A	N/A
FDOT District 5	N/A	FDOT-01	FM: 238406 (1 treatment project)	SR 44: Swales and ditch blocks providing treatment for runoff generated from existing and proposed pavement.	Grass Swales with Swale Blocks or Raised Culverts	Completed	2002	15	2	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-03	FM: 239496-2 (2 Treatment Projects)	SR 423: Add lanes from Shader Rd. to SR 424 (Edgewater Dr.). Wet Detention Pond 100 and Pond 200 providing treatment for JYP.	Wet Detention Pond	Completed	2016	156	17	Outside Springshed	20	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-03b	FM: 239496-2 (2 Treatment Projects)	SR 423: Add lanes from Shader Rd. to SR 424 (Edgewater Dr.). Wet Detention Pond Pond 200 providing treatment for JYP.	Wet Detention Pond	Completed	2016	N/A	N/A	Outside Springshed	20	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-04	FM: 240231-2 (7 Treatment Projects) Dry Detention Pond IN-1/ Pond IN-2	Add lanes to SR 434: from SR 414, Lotus Landing Blvd., then to SR 436: Dry Detention Pond 1N-1, 1N-2 2N, P, Wet Detention WTC Ponds 1 and 2; Exfiltration System 4N-1 and 5N providing treatment for runoff generated from	Stormwater BMP Retrofit/Expansion	Completed	2008	60	7	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A

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				existing and proposed pavement.												
FDOT District 5	N/A	FDOT-04b	FM: 240231-2 (Seven Treatment Projects) Wet Detention Pond 2N	Add lanes to SR 434: from SR 414, Lotus Landing Blvd., then to SR 436: Dry Detention Pond 1N-1, 1N-2 2N, P, Wet Detention WTC Ponds 1 and 2; Exfiltration System 4N-1 and 5N providing treatment for runoff generated from existing and proposed pavement.	Stormwater BMP Retrofit/Expansion	Completed	2008	N/A	N/A	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-04c	FM: 240231-2 (Seven Treatment Projects) Exfiltration System	Add lanes to SR 434: from SR 414, Lotus Landing Blvd., then to SR 436: Dry Detention Pond 1N-1, 1N-2 2N, P, Wet Detention WTC Ponds 1 and 2; Exfiltration System 4N-1 and 5N providing treatment for runoff generated from existing and proposed pavement.	Stormwater BMP Retrofit/Expansion	Completed	2008	N/A	N/A	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-04d	FM: 240231-2 (Seven Treatment Projects) WTC Pond 1/ WTC Pond 2	Add lanes to SR 434: from SR 414, Lotus Landing Blvd., then to SR 436: Dry Detention Pond 1N-1, 1N-2 2N, P, Wet Detention WTC Ponds 1 and 2; Exfiltration System 4N-1 and 5N providing treatment for runoff generated from existing and proposed pavement.	Stormwater BMP Retrofit/Expansion	Completed	2008	N/A	N/A	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-05	FM: 238314-1 (Dry Retention Pond 2)	SR 500: Dry Retention Ponds 2, 4, 6; Wet	Online Retention BMP	Completed	2008	218	20	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A

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				Detention Ponds 3E, 5 A/B; Ponds 3B, 3C, 3D; French drain providing treatment for runoff generated from existing and proposed pavement.												
FDOT District 5	N/A	FDOT-05b	FM: 238314-1 (Wet Detention Pond 3E)	SR 500: Dry Retention Ponds 2, 4, 6; Wet Detention Ponds 3E, 5 A/B; Ponds 3B, 3C, 3D; French drain providing treatment for runoff generated from existing and proposed pavement.	Online Retention BMP	Completed	2008	N/A	N/A	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-05c	FM: 238314-1 (Dry Retention Pond 4)	SR 500: Dry Retention Ponds 2, 4, 6; Wet Detention Ponds 3E, 5 A/B; Ponds 3B, 3C, 3D; French drain providing treatment for runoff generated from existing and proposed pavement.	Online Retention BMP	Completed	2008	N/A	N/A	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-05d	FM: 238314-1 (Wet Detention Pond 5a/5b)	SR 500: Dry Retention Ponds 2, 4, 6; Wet Detention Ponds 3E, 5 A/B; Ponds 3B, 3C, 3D; French drain providing treatment for runoff generated from existing and proposed pavement.	Online Retention BMP	Completed	2008	N/A	N/A	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-05e	FM: 238314-1 (Dry Retention Pond 6)	SR 500: Dry Retention Ponds 2, 4, 6; Wet Detention Ponds 3E, 5 A/B; Ponds 3B, 3C, 3D; French drain providing treatment for runoff generated from existing and proposed pavement.	Online Retention BMP	Completed	2008	N/A	N/A	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-05f	FM: 238314-1 (Frenth Drain System)	SR 500: Dry Retention Ponds 2, 4, 6; Wet Detention Ponds 3E, 5 A/B; Ponds 3B, 3C, 3D; French drain providing treatment for runoff generated from	Online Retention BMP	Completed	2008	N/A	N/A	Outside Springshed	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				existing and proposed pavement.												
FDOT District 5	N/A	FDOT-06	FM: 239535-2	SR 50: Add lanes from east ramps of Turnpike to Avalon Rd.; Wet Detention Ponds A and B providing treatment for runoff from existing and proposed pavement.	Wet Detention Pond	Completed	2016	391	42	Outside Springshed	62.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-06b	FM: 239535-2	SR 50: Add lanes from east ramps of Turnpike to Avalon Rd.; Wet Detention Ponds A and B providing treatment for runoff from existing and proposed pavement.	Wet Detention Pond	Completed	2016	N/A	N/A	Outside Springshed	62.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	Not provided	FDOT-08	Street Sweeping	Street sweeping occurs monthly; total swept = 2,247 mi/yr.	Street Sweeping	Completed	N/A	28	18	Outside Springshed	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	Not provided	FDOT-09	Fertilizer Cessation	Reduction of bulk fertilizer use on state roadways in basin.	Fertilizer Cessation	Completed	N/A	1,098	0	Outside Springshed	N/A	N/A	N/A	N/A	N/A	N/A
Lake County	Not provided	LC-01	Northeast Lake County Scrub Preserve	60 ac of mature sand pine scrub community with wetlands in southeast; adjacent to Seminole State Forest; protection of land; no change in land use; thus no load reduction.	Land Acquisition	Completed	2008	N/A	N/A	Outside Springshed	60	\$950,000	N/A	Not provided	Not provided	N/A
Lake County	Not provided	LC-02	Lake May Reserve	136 ac of remnant citrus, xeric oak hammock and 20- ac Lake May.	Land Acquisition	Completed	2008	N/A	N/A	Outside Springshed	136	\$6,200,000	N/A	Not provided	Not provided	N/A
Lake County	Not provided	LC-03	Mt. Plymouth Lakes	Property consists of 184 ac of lake bottom and associated uplands in plat of Mt. Plymouth.	Land Acquisition	Completed	2007	N/A	N/A	Outside Springshed	184	Not provided	N/A	Not provided	Not provided	N/A

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Lake County	Not provided	LC-04	Neighborhood Lakes	Part of multiagency acquisition (DEP, SJRWMD, OCEA, and Lake and Orange Counties) totaling 1,584 ac; Lake County partnered with SJRWMD to purchase 210 ac.	Land Acquisition	Completed	2007	N/A	N/A	Outside Springshed	1,584	\$5,000,000	N/A	Not provided	Not provided	N/A
Lake County	Not provided	LC-05	South Pine Lakes Reserve	Reserve consists of 2 adjoining properties totaling 128 ac, consisting of scrub, scrubby flatwoods, herbaceous marsh; bear habitat, possible sandhill crane nesting.	Land Acquisition	Completed	2008	N/A	N/A	Outside Springshed	128	\$985,250	N/A	Not provided	Not provided	N/A
Lake County	Lake Sumter State College; Umatilla Chamber of Commerce, Lake County Schools	LC-06	North Lake County Community Environmental Stewardship Program	Project goals are to provide teacher workshops and educational outreach to Grades K-12, provide exposure to various environmental careers to middle/high school students, increase number of volunteer water quality sample sites, and create community project showcase site using native shoreline vegetation; project partners include City of Umatilla, Umatilla Chamber of Commerce, Lake-Sumter Community College, Florida Lake Management Society, North Lake Newspaper, Altoona Charter School, Umatilla Elementary School, Umatilla High School, and private citizens.	Public Education Efforts	Completed	N/A	N/A	N/A	Outside Springshed	N/A	\$30,868	Not provided	Not provided	Not provided	Not provided

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Lake County	Lake County Water Authority (LCWA) – \$200,000 construction reimbursement grant	LC-07	Wolfbranch Drainage Retrofit	Project includes removing concrete flumes in right-of-way and piping area to 2 new dry retention ponds; what cannot be treated in ponds will be captured in CDS unit in right-of-way, and compensating treatment for this area will be treated in Pond B.	Stormwater BMPs	Completed	2016	66	9	Outside Springshed	13.5	\$1,530,000	\$2,200	Lake County/LCWA	Lake County – \$1,300,000 LCWA – \$200,000	Not provided
Lake County	Not provided	LC-08	Dirt Roadway Paving	Nutrient load reductions for 25 mi of road segments that were paved and improved with ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	2011	223	122	Outside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Lake County	Not provided	LC-09	Royal Trails Drainage and Water Quality Improvements	Flood analysis, pollutant loading model, and conceptual project priorities are completed.	Study	Completed	2010	N/A	N/A	Outside Springshed	N/A	\$394,101	Not provided	Not provided	Not provided	N/A
Lake County	Lake County	LC-10	Firethorn Dirt Rd. Paving and Drainage	Paving of dirt road and construction of roadside swales for drainage and treatment.	Grass Swales with Swale Blocks or Raised Culverts	Completed	2016	10	2	Outside Springshed	3.0	\$238,000	Not provided	Lake County Special Assesment for road paving	Not provided	Not provided
Lake County	DEP Nonpoint Source Program	LC-11	Erosion Control Inspector Training	Lake County staff has become certified to instruct on DEP Sedimentation and Erosion Control Inspector's certification program. County hosts annual class and exam free to local contractors and municipal employees.	Erosion Control	Underway	TBD	N/A	N/A	Outside Springshed	N/A	Not provided	Not provided	Lake County	Not provided	Not provided
Lake County	N/A	LC-12	Pipe and Catch Basin Cleaning	Removal of sediments and nutrients from roadside catch basins and stormwater pipes.	BMP Clean Out	Completed	2017	82	50	Outside Springshed	N/A	\$6,500	Not provided	Lake County	Not provided	N/A
City of Maitland	Not provided	M-01	Street Sweeping	Streets are swept twice a month; roadway length swept = 23.86 mi/ 2 wks; total swept = 572.64 mi/yr.	Street Sweeping	Completed	N/A	4	15	Outside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	N/A

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City of Mt. Dora	Not provided	MD-01	5 th and McDonald Parking Lot	Install 3 36-in diameter exfiltration pipes under new parking lot.	Exfiltration Trench	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Not provided	MD-02	Hwy. 441 and Hwy. 46 StormTech Installation	Install StormTech system – 100 LF inline arrangement with "isolator rows" at each end for maintenance.	Exfiltration Trench	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Not provided	MD-03	St. Johns St. StormTech Installation	Install StormTech system: 2 50-LF rows with "isolator rows" for maintenance; regraded and paved road to improve drainage.	Exfiltration Trench	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	Not provided	\$18,000	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Not provided	MD-04	5th Ave. and Rossiter NSBB Installation	Install Suntree NSBB at 5th Ave. and Rossiter discharge into Lake Franklin, which is isolated spring-fed lake.	Baffle Boxes – 2nd Generation	Completed	Prior to 2015	64	26	Outside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Not provided	MD-05	1552 Hilltop Dr. Pipe Relining	Reline existing corrugated metal pipe (CMP) with high-density polyethylene (HDPE) to eliminate sinkhole formation and erosion into Lake Nettie.	Erosion Control	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	N/A	\$13,000	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Not provided	MD-06	5th Ave. and McDonald St. Retention Pond Restoration	Remove accumulated sediment and debris from retention pond; install new inlet pipe to prevent erosion; replace erosion protection around inlet pipes.	BMP Clean Out	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	N/A	\$3,000	Not provided	Not provided	Not provided	N/A
City of Mt. Dora	Not provided	MD-07	Donnelly St. and Lincoln Ave. Pipe Repair	Headwall broke away from pipe; water undermining Donnelly St.; installed drop structure and extend pipeline 140 LF.	Stormwater System Rehabilitation	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	N/A	\$35,000	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Not provided	MD-08	Pine and Jackson Pipe Repair	Replace crushed section of 36x54 CMP to allow proper drainage of northeast area of city.	Stormwater System Rehabilitation	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	N/A	\$3,000	Not provided	Not provided	Not provided	Not provided

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City of Mt. Dora	Not provided	MD-09	Street Sweeping	Streets are swept 15 times/yr; length of streets swept = 69 mi; total swept = 1,035 mi/yr.	Street Sweeping	Completed	N/A	1,304	2,033	Outside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
City of Mt. Dora	Not provided	MD-10	Lake John Rehabilitation	Lake John is part of greater Lake Gertrude Basin project; wetland was excavated to remove excess sediment and exotic vegetation; stepwise drainage reestablished between 3 ponds, and new vegetation planted.	Wetland Restoration	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	N/A	\$1,200,000	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Not provided	MD-11	CBDG	Extend 8-in sewer main and install 4 laterals to connect 4 duplexes to city sewer on 11th Ave.; abandon existing septic systems.	Septic Phase Out	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	N/A	\$63,000	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Not provided	MD-12	Lift Station #10 Piping Replacement (Pine Ave.)	Replace 602 ft of 8-in pipe and 2 manholes.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Not provided	MD-13	Pipe Lining 2007, 2008, 2009, and 2010	2007 – Line 7,094 ft of 8-in sewer main on Clayton and Liberty Sts. 2008 – Line 8,040 ft of 8- and 10-in sewer main (Grandview, Alexander, Tremain, Baker, Lake Dora Rd, Pine Ave., and Donnelly St.). 2009 – Line 3,746 ft of 8-in pipe on Old Eustis Rd. and Donnelly St. 2010 – Line 1,500 ft of 21-in pipe along Lake John.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	N/A	\$705,907	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Not provided	MD-14	Lift Stations #1, 2, 3, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 22, 25, 27, 28, 30, 31, and 34 Piping	Clean and inspect pipe.	Sanitary Sewer Inspections	Completed	Prior to 2015	N/A	N/A	Outside Springshed	N/A	\$21,000	Not provided	Not provided	Not provided	Not provided

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City of Mt. Dora	LCWA/ DEP TMDL	MD-15	7th Ave. Stormwater	Install concrete storm pipe as follows: 753 ft of 36 in, 466 ft of 30 in, 1,431 ft of 24 in, 425 ft of 18 in and stormwater treatment system.	STAs	Completed	2015	125	20	Outside Springshed	34	\$1,500,000	Not provided	DEP/ LCWA/ City	\$1,470,651	S0649
Orange County	Not provided	OC-17	Riverside Pond	Expand size of 0.8-ac existing treatment pond to 1.6 ac and add aeration to address DO impairment.	Stormwater BMP Retrofit/Expansion	Completed	Prior to 2015	4,533	Not provided	Outside Springshed	Not provided	\$766,918	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-18	Bay Lake Stormwater Improvement Project	Provide treatment for 2 drainage basins totaling 91.7 ac (Modular Wetlands with Bold and Gold™ media).	Advanced Engineered Wetland	Completed	Prior to 2015	14	1	Outside Springshed	Not provided	\$260,000	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-19	Lake Lawne Stormwater	Online wet detention with irrigation system for reuse on adjacent sports fields.	Stormwater Reuse	Underway	2018	721	229	Outside Springshed	650	\$2,500,000	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-20	Lake Weston CIBs	Install (2016) 49 curb/grate inlet baskets on storm drains and apply storm drain markers.	Catch Basin Inserts	Completed	2016	20	5	Outside Springshed	500	\$160,000	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-21	North Lake Lawne Stormwater Treatment Project (C-7)	Install 120 curb/grate inlet baskets on storm drains and apply storm drain markers.	Catch Basin Inserts	Completed	2016	46	13	Outside Springshed	Not provided	\$196,899	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-36a	Street Sweeping	Streets are swept every 6 wks; 481,128 lbs/yr of material removed.	Street Sweeping	Completed	Prior to 2015	21	13	Outside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Orange County	Not provided	OC-38	Lake Lawne Hydrologic and Nutrient Study	Study to evaluate hydrologic conditions and nutrient loadings to Lake Lawne.	Study	Completed	Prior to 2015	N/A	N/A	Outside Springshed	N/A	\$120,000	Not provided	Not provided	Not provided	N/A
City of Orlando	Not provided	ORL-01a	Compliance Inspections of Private Stormwater Systems	Inspect annually all 233 commercial, single, and multifamily systems in basin for functionality; systems include, but are not limited to, retention and detention ponds, underdrains, exfiltration, and underground vaults; by maintaining ponds at	Stormwater BMP Inspections	Completed	1989	N/A	N/A	Outside Springshed	N/A	Not provided	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided

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				design criteria, city is ensuring optimal level of pollutant removal efficiency is being achieved.												
City of Orlando	Not provided	ORL-02a	Stormwater System Inspections	Conduct proactive inspections and perform routine maintenance on 13 ponds and 31 ditches in basin to ensure systems are being maintained at optimal pollutant removal efficiency (and flood prevention).	Stormwater BMP Inspections	Completed	1970	N/A	N/A	Outside Springshed	N/A	Not provided	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided
City of Orlando	Not provided	ORL-03a	Two Inlet Baskets Around Lake Daniel	Install (2006) 2 inlet baskets in Lake Daniel Basin; 1.89 cubic yds/yr of material collected.	Catch Basin Inserts	Completed	N/A	0	3	Outside Springshed	N/A	\$1,500	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided
City of Orlando	Not provided	ORL-05	Three Baffle Boxes on Ardsley	Capture gross pollutants and reduce levels of nitrogen entering basin by removing leaves and clippings before they enter Lake Silver; 13.25 cubic yds/yr of material collected.	Baffle Boxes – 1st Generation	Completed	2006	27	11	Outside Springshed	26	\$7,800	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided
City of Orlando	Not provided	ORL-06	Four Inlet Baskets Around Lake Sarah	Install (2006) 3 inlet baskets in Lake Sarah Basin; 10.89 cubic yds/yr of material collected.	Catch Basin Inserts	Completed	N/A	17	10	Outside Springshed	4	\$2,250	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided
City of Orlando	Not provided	ORL-07	Four Inlet Baskets Around Lake Silver	Install (2004) 4 inlet baskets in Lake Silver Basin; 6.5 cubic yds/yr of material collected.	Catch Basin Inserts	Completed	N/A	10	6	Outside Springshed	15	\$3,000	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided
City of Orlando	Not provided	ORL-08	Lake Silver Treatment Structure (Westmoreland Dr. CDS Unit)	Install CDS unit to capture gross pollutants before they enter Lake Silver.	CDS Unit	Completed	2000	Not provided	19	Outside Springshed	Not provided	\$565,702	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided

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City of Orlando	DEP/ SJRWMD/ FDOT/ Diocese of Orlando	ORL-09	Little Lake Fairview Restoration and Dubsdread Golf Course Renovation Project	Expand 5 wet detention ponds and create 10 additional wet detention ponds in golf course; construct 15 ponds in series of 3 interconnected systems; all systems eventually discharge to adjacent wetland, except during high flows, when runoff discharges to drainwell or ditch routed to Little Lake Fairview; restores hydroperiod of wetland and improves wetland functions; also raises drainwell elevation to allow for more treatment before discharge.	Wet Detention Pond	Completed	2008	265	Not provided	Outside Springshed	422	\$9,000,000	Not provided	City/ Streets and Stormwater Division	Not provided	TBD
City of Orlando	Not provided	ORL-10	Palomar Exfiltration	Install 20-ft pipe to capture debris in separate chamber before stormwater percolates into ground.	Exfiltration Trench	Completed	2006	6	3	Outside Springshed	Not provided	\$30,000	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided
City of Orlando	Not provided	ORL-11	Sandbar Removal on Lake Sarah	Remove 300 cubic yds of sediment from Lake Sarah.	Muck Removal/ Restoration Dredging	Completed	2006	Not provided	Not provided	Outside Springshed	N/A	\$20,000	Not provided	City/ Streets and Stormwater Division	Not provided	Not provided
City of Orlando	Not provided	ORL-12a	Street Sweeping	Streets are swept every 2 wks; 5,023.2 cubic yds/yr of material collected.	Street Sweeping	Completed	N/A	6,312	4,048	Outside Springshed	Not provided	Not provided	Not provided	City/ Streets and Stormwater Division	Not provided	N/A
City of Orlando	Not provided	ORL-13	Little Wekiva River – Preliminary Engineering Evaluation Lake Lawne, Center of Commerce, and Lake Orlando Sites	Nutrient reduction projects in Little Wekiva River Watershed, using suggested drainage improvements from CDM report.	Study	Completed	2008	N/A	N/A	Outside Springshed	N/A	\$49,900	N/A	City of Orlando/ Streets and Stormwater Division	Not provided	N/A
City of Orlando	Not provided	ORL-14	Arthur Ave. Sewer Line	Install 1,200 ft of gravity lines in area with septic tanks to reduce nutrient seepage into groundwater table.	Wastewater Service Area Expansion	Completed	1998	Not provided	Not provided	Outside Springshed	N/A	\$53,977	Not provided	City of Orlando/ Water Reclamation Division	Not provided	Not provided

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City of Orlando	Not provided	ORL-16	Lynx Facility	Install sanitary sewer in area with septic tanks to reduce nutrient seepage into groundwater table.	Wastewater Service Area Expansion	Completed	2007	Not provided	Not provided	Outside Springshed	N/A	Not provided	Not provided	City/ Water Reclamation Division	Not provided	Not provided
City of Orlando	Not provided	ORL-17	Rio Grande Sanitary Sewer	Install gravity lines in area with septic tanks to reduce nutrient seepage into groundwater table.	Wastewater Service Area Expansion	Completed	2000	Not provided	Not provided	Outside Springshed	N/A	\$1,622,124	Not provided	City/ Water Reclamation Division	Not provided	Not provided
City of Orlando	Not provided	ORL-18	West Lake Fairview Sanitary Sewer	Install sanitary sewer in area with septic tanks to reduce nutrient seepage into groundwater table.	Wastewater Service Area Expansion	Planned	Prior to 2015	Not provided	Not provided	Outside Springshed	N/A	N/A	Not provided	City/ Water Reclamation Division	Not provided	Not provided
City of Orlando	Not provided	ORL-19	Lift Station #37 Improvements	Lift station is one of oldest in city; wet well is made of brick and starting to fail; replace lift station with precast concrete with liner and bigger capacity; install new pumping station and associated components, along with standby generator; also replace gravity pipes in area.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2009	Not provided	Not provided	Outside Springshed	N/A	\$1,400,000	Not provided	City/ Water Reclamation Division	Not provided	Not provided
City of Orlando	Not provided	ORL-22	West Lake Silver Phase I and II	Line sewers to prevent untreated sewage from escaping through cracks and joints; project will reduce nutrient seepage into groundwater table.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	Not provided	Not provided	Outside Springshed	N/A	N/A	Not provided	City/ Water Reclamation Division	Not provided	Not provided
City of Orlando	Not provided	ORL-23	Mercy Dr. Sewer Rehabilitation	Install lift station in new commercial area.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2002	Not provided	Not provided	Outside Springshed	N/A	\$878,400	Not provided	City/ Water Reclamation Division	Not provided	Not provided
City of Orlando	Not provided	ORL-24	Regent Ave. Force Main 2613	Replace force main on Mercy Dr. from south of Princeton to Lift Station #45; connect or replace new sanitary pipe to existing pipes.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2010	Not provided	Not provided	Outside Springshed	N/A	\$2,000,000	Not provided	City/ Water Reclamation Division	Not provided	Not provided

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City of Orlando	Not provided	ORL-25	Sanitary System Inspections	Conduct proactive inspections and perform routine maintenance on lift stations and sanitary lines; identify problem areas and increase maintenance frequency or perform repairs to prevent overflows from occurring; also assist with Sunshine State One-Call of Florida ("Call Before You Dig"/Line Locater).	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	N/A	Not provided	Not provided	Outside Springshed	N/A	Not provided	Not provided	City/ Water Reclamation Division	Not provided	Not provided
City of Orlando	N/A	ORL-26	Lift Station #45 Improvements	Replace lift station.	WWTF Upgrade	Planned	2020	Not provided	Not provided	Outside Springshed	N/A	6,000,000	Not provided	City/ Water Reclamation Division	6,000,000	N/A
City of Orlando	N/A	ORL-27	Mercy Dr. Sewer Cleaning	Maintenance of sanitary line will prevent SSOs from occurring in basin that negatively impact water quality in lake.	WWTF and Sanitary Sewer Maintenance	Underway	2018	Not provided	Not provided	Outside Springshed	N/A	300,000	Not provided	City/ Water Reclamation Division	300,000	N/A
City of Orlando	N/A	ORL-29	Lift Station 8, 30, 47, and 77 Replacements	Lift station replacement (only #47 and #77 in Wekiva Basin).	WWTF Upgrade	Planned	2019	Not provided	Not provided	Outside Springshed	N/A	1,500,000	Not provided	City/ Water Reclamation Division	1,500,000	N/A
City of Orlando	Orange County Public Schools	ORL-31	Lake Silver Shores	Partner with Edgewater High School (EHS) to design and create joint wet pond on EHS property.	Baffle Boxes – 2nd-Generation with Media	Planned	2020	24.3	3	Outside Springshed	20	800,000	Not provided	City Stormwater Utility	800,000	N/A
City of Orlando	N/A	ORL-32	Ardsley Baffle Box Retrofits	Upgrade 3 existing 1st-generation baffle boxes to 2nd-generation baffle boxes with media`	Baffle Boxes – 2nd-Generation with Media	Planned	2019	191.2	28	Outside Springshed	42	450,000	Not provided	City Stormwater Utility	450,000	N/A
Seminole County	Not provided	SC-06	Little Wekiva Grade Control – Montgomery Rd. to SR 434	Reduce sediment loads through bank stabilization and construction of 2 river grade control structures in Little Wekiva River; area served = >5,000 ac.	Shoreline Stabilization	Completed	2011	298	31	Outside Springshed	N/A	\$850,000	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Seminole County	Not provided	SC-07	Wekiva Park Dr. Erosion Control Project	Reduce sediment loads through grade control structures; area served = 400 ac.	Shoreline Stabilization	Completed	2010	37	4	Outside Springshed	N/A	\$350,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-08	Lake Mobile	Exotics removal/ revegetation with native species. Accomplished using in-house staff, residents, and volunteers.	Exotic Vegetation Removal	Completed	2009	Not provided	Not provided	Outside Springshed	N/A	\$25,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-09	LWR @ Springs Landing Bridge	Exotics removal/ revegetation with native species. Accomplished using in-house staff, residents, and volunteers.	Exotic Vegetation Removal	Completed	2010	Not provided	Not provided	Outside Springshed	N/A	\$10,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-11	Spring Lake	Exotics removal/ revegetation with native species. Accomplished using in-house staff, residents, and volunteers.	Exotic Vegetation Removal	Completed	2009	Not provided	Not provided	Outside Springshed	N/A	\$75,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-12	Black Bear Wilderness Area	Previous land use = natural land; management focus = preservation, passive recreation; ac = 1,650.	Land Acquisition	Underway	2015	N/A	N/A	Outside Springshed	1,650	Not provided	N/A	Not provided	Not provided	N/A
Seminole County	Not provided	SC-13	Yankee Lake Scrub Jay Preservation Area	Previous land use = natural land; management focus = preservation, passive recreation; ac = 300.	Land Acquisition	Completed	Prior to 2015	N/A	N/A	Outside Springshed	300	Not provided	N/A	Not provided	Not provided	N/A
Seminole County	Not provided	SC-17	Markham Woods Rd. Widening from SR 434 to Springs Landing Blvd.	Provide water quality treatment for additional traffic lane through construction of new exfiltration trench; area served = 12.4 ac.	Exfiltration Trench	Completed	2003	32	4	Outside Springshed	Not provided	\$1,400,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-18	Markham Woods Rd. Widening from Lane Springs Landing Blvd. to EE Williamson Rd.	Provide water quality treatment to existing roadway through exfiltration trench; area served = 9.2 ac.	Exfiltration Trench	Completed	2006	46	8	Outside Springshed	Not provided	\$2,300,000	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Seminole County	Not provided	SC-23	Palm Springs Rd. Paving and Drainage	Pave dirt road and install 2nd-generation baffle box to provide water quality treatment; area served = 0.4 ac.	Baffle Boxes – 2nd-Generation	Completed	2003	1	0	Outside Springshed	Not provided	\$255,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-25a	Street Sweeping	Street sweeping in Big Wekiva and Little Wekiva Basins.	Street Sweeping	Completed	N/A	410	264	Outside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Seminole County	Not provided	SC-27a	Spring Lake/Spring Lake Watershed Hydrology/Nutrient Budget and Water Quality Management Plan	Detailed nutrient and hydrologic study, identifying and quantifying all nutrient sources, including internal loading, groundwater, surface water, precipitation, etc.; management plan includes potential structural and nonstructural improvements that can be made to protect and enhance water quality.	Study	Underway	TBD	N/A	N/A	Outside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Seminole County	Not provided	SC-29a	Seminole County Water Quality Master Plan	Countywide assessment of all water quality data, monitoring programs, regional ponds, CIP projects, etc., to improve efficiency and effectiveness of existing programs and identify additional structural/nonstructural improvement projects.	Study	Underway	TBD	N/A	N/A	Outside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Seminole County	Not provided	SC-30	Apple Valley Lift Station	Relocate and build brand new lift station.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	N/A	N/A	Outside Springshed	N/A	\$351,975	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-32	Gravity Main Testing and Repairs	Lateral repair – 1512 Cherry Rdg., 2067 North Umbria, 169 Killarney Ct., Shadowmoss. Gravity main repair – 844 Preserve Terr., International Dr. and CR 46A, Lake Rena	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	N/A	N/A	Outside Springshed	N/A	\$401,878	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Dr. Smoke test and seal laterals – Alaqua Lakes, Heathrow Woods # 1 and 2 lift stations, Lake Forest 1 and 2, Lake Forest 1 and 2. Additional work – Lake Forest 3 and 4, Aster Farms.												
Seminole County	Not provided	SC-33	Lift Station Rehabilitation	Seal wet well and rehabilitate lines at lift stations (Wilson School, Breckenridge, Stockbridge, Lake Forest #5, Buckingham, Retreat at Wekiva, Aster Farms, Bel-Aire #3, Bel-Aire #1, Heathrow Master).	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	N/A	N/A	Outside Springshed	N/A	\$324,353	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-34	Douglas Ave Pond	Pond retrofit with soil amendment aimed at reducing nitrate loading to groundwater	Stormwater BMP Retrofit/Expansion	Underway	TBD	Not provided	Not provided	Outside Springshed	Not provided	\$105,000	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-36	Spring Lake Hills Outfall Weir Rehabilitation	Construction retrofit project, replace existing failing weir	Control Structure	Completed	2016	Not provided	Not provided	Outside Springshed	537	\$4,500	Not provided	Not provided	Not provided	Not provided
Seminole County	Spring Lake Municipal Service Benefit Unit (MSBU)	SC-38	Spring Lake Alum Treatment	In-lake alum treatment.	Alum Injection	Underway	TBD	Not provided	Not provided	Outside Springshed	85	\$120,000	Not provided	Spring Lake MSBU	Not provided	Not provided
Seminole County	Not provided	SC-40	Spring Lake Shoreline Restoration	Planted native aquatic vegetation along individual homeowner shorelines.	Creating/Enhancing Living Shoreline	Completed	2017	Not provided	Not provided	Outside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-41	Spring Wood Lake Shoreline Restoration	Planted native aquatic vegetation along individual homeowner shorelines.	Creating/Enhancing Living Shoreline	Completed	2017	Not provided	Not provided	Outside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-42	Lake Destiny Canal Shoreline Restoration	Planted native aquatic vegetation along individual homeowner shorelines.	Creating/Enhancing Living Shoreline	Completed	2017	Not provided	Not provided	Outside Springshed	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-49	Wilson's Landing Stormwater Bioretention Area	Convey runoff into bioretention area prior to discharge into Wekiva River.	Bioretention	Planned	2019	Not provided	Not provided	Outside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Seminole County	Not provided	SC-51	Apple Valley Subdivision Gravity Main Rehabilitation	Seal and coat 10 manholes; CIPP lining of 2,700 LF of 8-in gravity main.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	2017	Not provided	Not provided	Outside Springshed	Not provided	\$108,000	Not provided	Not provided	Not provided	Not provided
Sanlando Utilities Corp.	Not provided	SUC-01	Sweetwater I&I Investigation and Collection System Repairs	Camera-inspect sanitary collection system in Sweetbrier Subdivision and correct noted deficiencies.	Sanitary Sewer Collection System Rehabilitation, Maintenance, or Replacement	Completed	Prior to 2015	N/A	N/A	Outside Springshed	N/A	\$1,553,000	Not provided	Sanlando Utilities	N/A	N/A
Turnpike Enterprise	N/A	TP-03	Minneola Interchange	Five dry retention ponds and 3 treatment swales.	Online Retention BMP	Completed	N/A	Not provided	Not provided	Outside Springshed	Not provided	\$27,866,200	Not provided	Not provided	Not provided	Not provided
Turnpike Enterprise	N/A	TP-04	Education Efforts	No fertilizer on rights-of-way, educational signage, illicit discharge training.	Fertilizer Cessation	Completed	N/A	Not provided	Not provided	Outside Springshed	N/A	N/A	N/A	N/A	N/A	N/A
Turnpike Enterprise	N/A	TP-05a	Street Sweeping	Street sweeping MP (265-274) 600 lane mi/yr.	Street Sweeping	Completed	N/A	144	70	Outside Springshed	Not provided	Not provided	Not provided	Not provided	Not provided	N/A

Appendix C: Surface Water BMAPs for Nutrients

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Introduction

Other BMAPs not in the OFS or NEEPP groups that address nutrient impairments are included in the Surface Water BMAPs for Nutrients group. The tables in **Appendix C** list the implementation status of the BMAP projects as of December 31, 2017. The tables list the impairment reduction (in lbs/yr) attributable to each individual project. These projects were submitted to provide reasonable assurance to DEP that each entity has a plan on how to meet its nutrient reduction obligation, as assigned. However, the list of projects is meant to be flexible enough to allow for changes that may occur over time. During the annual review of BMAP implementation efforts, project-specific information may be revised and updated, resulting in changes to the estimated reductions for those projects. The revisions may increase or decrease estimated reductions, and DEP will work with stakeholders to address revisions as they are identified. For BMAPs in **Appendix C**, DEP works in collaboration with South Florida Water Management District (SFWMD), St. Johns River Water Management District (SJRWMD), and Southwest Florida Water Management District (SWFWMD).

The project status column is standardized into the following four categories:

- **Canceled:** Project or activity that was planned but will no longer take place. This includes the cessation of ongoing activities.
- **Completed:** Project, activity or task that is finished. This includes fully implemented activities (i.e., ongoing activities) that must continue indefinitely to retain assigned credits (such as street sweeping, BMP clean out, catch basin clean out, public education, fertilizer cessation/reduction and vegetation harvesting).
- **Planned:** Project or activity that is conceptual or proposed.
- **Underway:** Project or activity that has commenced or initiated but is not completed and is not yet reducing nutrient loads from the treated area.

Prior to reporting project information, DEP contacts each lead entity to gather new information on projects and confirm previously reported information. The terms used throughout the project tables are defined as follows:

- **Not provided:** Information was requested by DEP but was not provided by the lead entity.
- **TBD:** To be determined. Information is not currently available but will be provided by the stakeholder when it is available.
- **N/A:** Not applicable. Information for that category is not relevant to that project.
- **0:** Zero. The numeric value for that category is zero.

These project tables are based on current information, and as further information becomes available project details may be updated. It is noted that while FDOT submits project information, there is no specific cost breakdown for water quality improvement projects, which are embedded into and implemented as part of larger transportation projects adopted in its Five-Year Work Program, pursuant to Section 339.135, F.S.

The management strategies in **Appendix C** are ranked with a priority of high, medium, or low. In 2016, the Florida Legislature amended the FWRA (Section 403.067, F.S.), creating additional requirements for all new or revised BMAPs. BMAPs must now include planning-level details for each listed project, along with their proposed priority ranking for implementation and funding needs.

Project status was selected as the most appropriate indicator of a project's priority ranking based primarily on need for funding. Projects with a "completed" status were assigned a low priority. Projects classified as "underway" were assigned a medium priority because some resources have been allocated to these projects, but additional assistance may be needed for the project to be completed. High priority was assigned to projects listed with the project status "planned" as well as certain "completed" projects that are ongoing each year (any project with one of these project types: "street sweeping," "catch basin inserts/inlet filter clean out," "public education efforts," "fertilizer cessation," "fertilizer reduction," or "aquatic vegetation harvesting"), and select projects that are elevated because substantial, subsequent project(s) are reliant on their completion.

Everglades West Coast (EWC) BMAP

Background

The EWC Basin is the 55,469-acre watershed composed of the Hendry Creek and Imperial River Basins, which drain into Estero Bay in the Western Everglades area (**Figure C-1**). Estero Bay proper is a shallow, subtropical lagoon with a watershed of 11,317 acres and is separated from the Gulf of Mexico by barrier islands. Hendry Creek is in the southwest part of Lee County, 3 miles south of the City of Ft. Myers and 3 miles southeast of the City of Cape Coral. It flows south for 6 miles into north Estero Bay and drains a watershed of 15.35 square miles. The Imperial River Watershed covers 14,784 acres, of which 4,416 acres are surface waters. Oak Creek and Leitner Creek flow into the upstream portion of the Imperial River.

DEP identified the Hendry Creek and Imperial River as impaired for DO. In August 2008, DEP adopted the Hendry Creek and Imperial River TMDLs, which established reduction targets for TN for the basins. The EWC BMAP was adopted in November 2012 to implement the TN TMDLs.

Status of Projects

Through December 31, 2017, in the Hendry Creek Basin, 9 projects were completed. The projects completed to date are estimated to achieve total reductions of 6,917 lbs/yr of TN, or 67 % of the reductions needed to meet the TN TMDL. In the Imperial River Basin, 19 projects were completed. The projects completed to date are estimated to achieve total reductions of 15,733 lbs/yr of TN, or 26 % of the reductions needed to meet the TN TMDL.

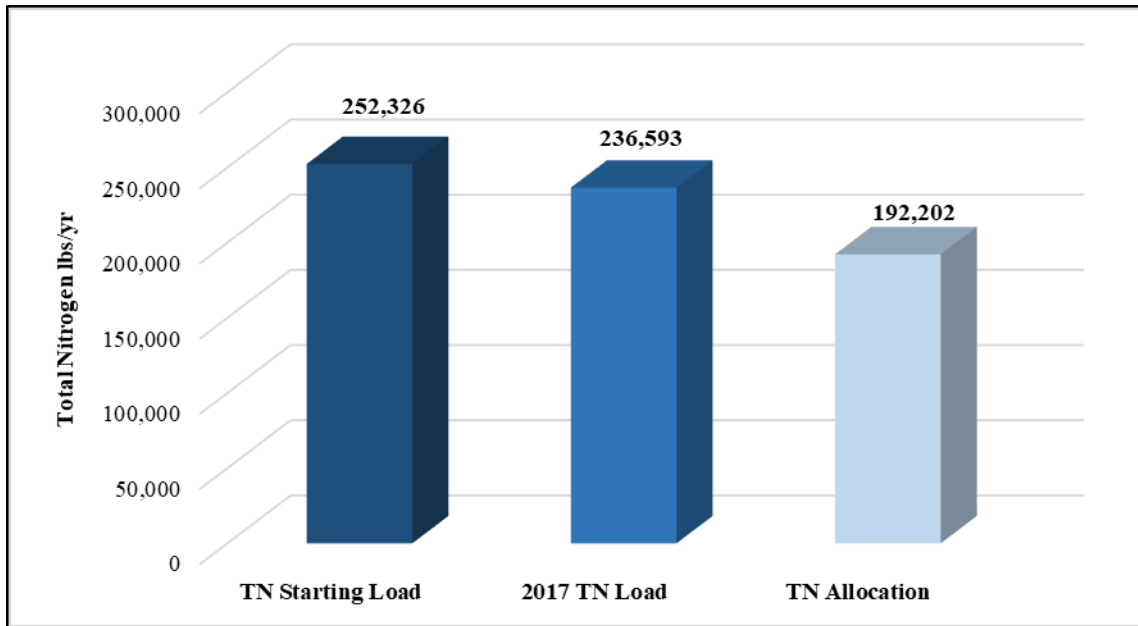


Figure C-1. Estimated progress toward meeting the portion of the EWC TMDL allocated to Imperial River. Reductions are associated with projects completed through December 31, 2017.

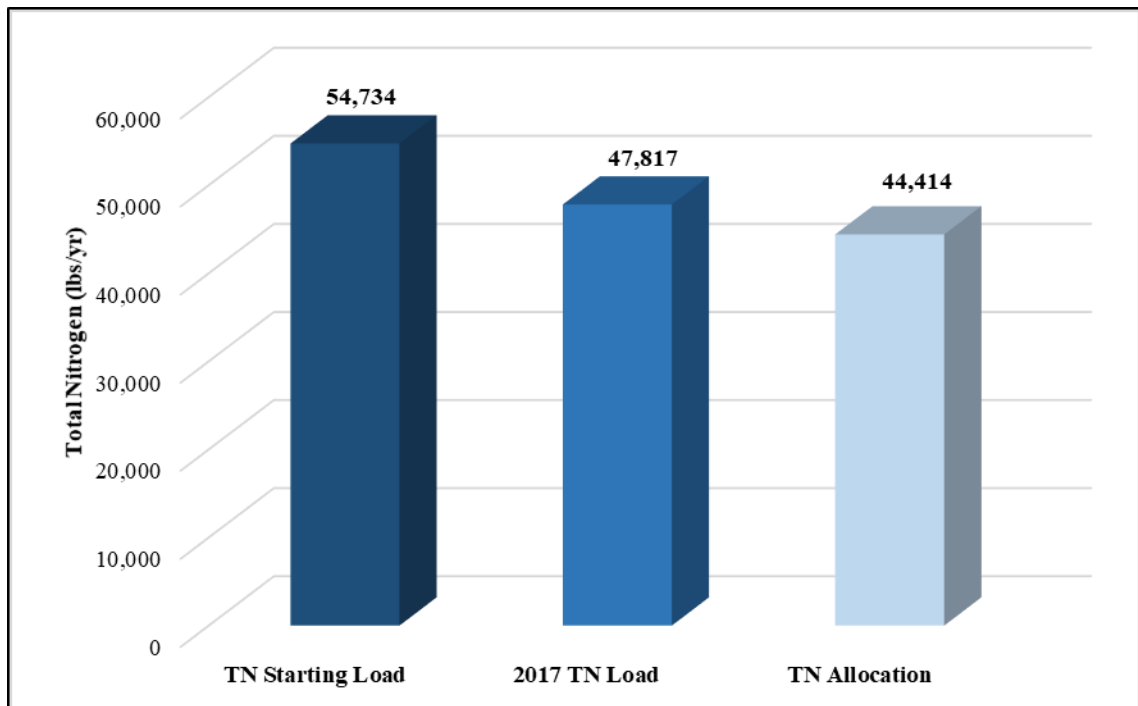


Figure C-2. Estimated progress toward meeting the EWC TMDL allocated to Hendry Creek. Reductions are associated with projects completed through December 31, 2017.

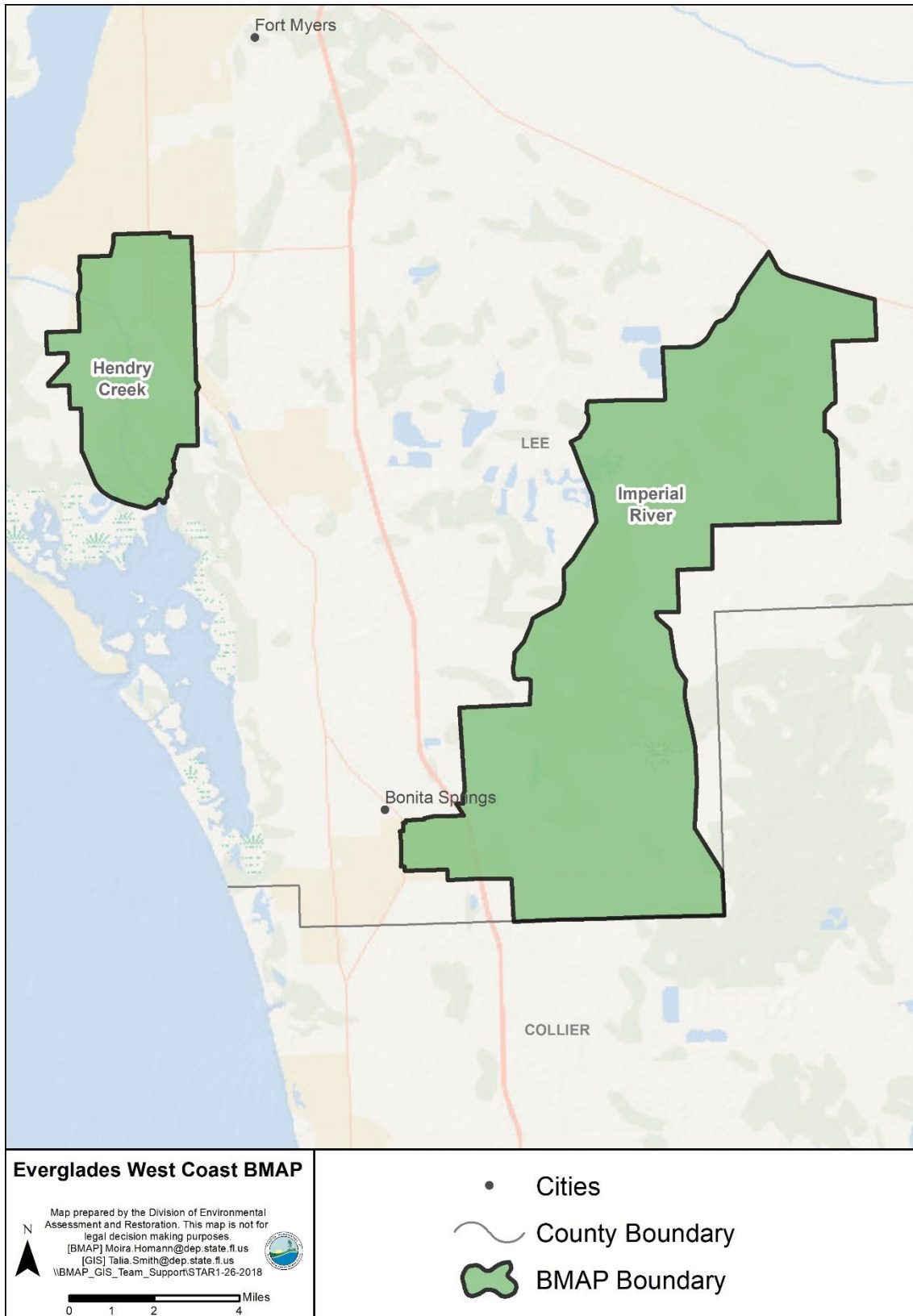


Figure C-3. EWC BMAP area

Table C-1. EWC BMAP projects

Lead Entity	Partners	Project Number	Project Name	Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Bonita Springs	N/A	BS-01	Fertilizer Ordinance	Ordinance.	Regulations, Ordinances, Guidelines	Completed	Not provided	696	0	Imperial River	N/A	N/A	N/A	City	N/A	N/A
City of Bonita Springs	N/A	BS-02	FYN Program	Education program using FYN Program.	Education Efforts	Underway	N/A	835	0	Imperial River	N/A	Not provided	\$3,000	City	Not provided	N/A
City of Bonita Springs	N/A	BS-03	Old 41 Catch Basin Inserts	Catch basin inserts.	Catch Basin Inserts/Inlet Filter Clean Out	Canceled	N/A	N/A	N/A	Imperial River	N/A	N/A	N/A	N/A	N/A	N/A
City of Bonita Springs	N/A	BS-04	Residential Dry Detention	Dry detention.	Dry Detention Pond	Completed	Not provided	1	0	Imperial River	4	Not provided	Not provided	City	Not provided	N/A
City of Bonita Springs	N/A	BS-05	Morton Ave. Swales	Dry retention.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Not provided	212	0	Imperial River	26	Not provided	Not provided	City	Not provided	N/A
City of Bonita Springs	N/A	BS-06	Marni Fields	Dry detention.	Dry Detention Pond	Completed	Not provided	6	0	Imperial River	16	Not provided	Not provided	City	Not provided	N/A
City of Bonita Springs	N/A	BS-07	Felts Ave. Stormwater Treatment	Dry detention.	Dry Detention Pond	Completed	Not provided	258	0	Imperial River	31	Not provided	Not provided	City	Not provided	N/A
City of Bonita Springs	N/A	BS-08	Street Sweeping	Monthly street sweeping.	Street Sweeping	Underway	N/A	161	103	Imperial River	N/A	Not provided	\$22,000	City	Not provided	N/A
City of Bonita Springs	DEP/ SFWMD	BS-09	Felts Ave. Bioreactor Project	Use wood chips in anaerobic environment to strip nitrogen from incoming stormwater. 40-ac watershed will be treated on 2-ac site on Felts Ave.	BMP Treatment Train	Completed	2017	Not provided	Not provided	Imperial River	40	\$623,389	Not provided	DEP/ SFWMD/ City	Not provided	SO772
City of Bonita Springs	Lee County	BS-10	Pine Lake Preserve Rehydration Project	Joint project with Lee County to rehydrate and reestablish hydraulic connectivity between Imperial River and undisturbed Corkscrew Regional Ecosystem Watershed (CREW) wetlands east of preserve on Corkscrew Swamp.	Hydrologic Restoration	Underway	TBD	TBD	TBD	Imperial River	173	Not provided	Not provided	City	Not provided	N/A
City of Bonita Springs	N/A	BS-11	Downtown Redevelopment Drainage Project	Created 2 mi of interconnected drainage	BMP Treatment Train	Completed	2016	Not provided	Not provided	Imperial River	83	\$6,330,000	Not provided	City	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				infrastructure to improve water quality through use of exfiltration trenches. Project provides 8.84 ac-ft of exfiltration storage.												
City of Bonita Springs	N/A	BS-12	Septic System Removal	Conversion of septic systems to central sewer.	Wastewater Service Area Expansion	Completed	2016	912	Not provided	Imperial River	N/A	\$17,205	Not provided	City	Not provided	N/A
FDACS	Agricultural Producers	FDACS-01	BMP Enrollment	Agricultural BMPs – Hendry Creek	Agricultural BMPs	Completed	2016	78	N/A	Hendry Creek	31	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Agricultural Producers	FDACS-02	BMP Enrollment	Agricultural BMPs – Imperial River	Agricultural BMPs	Completed	2016	11,034	N/A	Imperial River	4,466	Not provided	Not provided	Not provided	Not provided	N/A
FDOT	N/A	HC-FDOT-01	Wet Detention Ponds (1, 2, and 3) Facility ID: 12010-3561-01	Wet detention.	Wet Detention Pond	Completed	Not provided	22	6	Hendry Creek	29	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	HC-FDOT-01b	Wet Detention Ponds (1, 2, and 3) Facility ID: 12010-3561-02	Wet detention.	Wet Detention Pond	Completed	Not provided	41	10	Hendry Creek	30	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	HC-FDOT-01c	Wet Detention Ponds (1, 2, and 3) Facility ID: 12010-3561-03	Wet detention.	Wet Detention Pond	Completed	Not provided	41	11	Hendry Creek	30	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	HC-FDOT-02	Roadside Swales	Swale with ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Not provided	Not provided	Not provided	Hendry Creek	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	HC-FDOT-03	Street Sweeping	Arterial road and bridge sweeping.	Street Sweeping	Underway	N/A	52	33	Hendry Creek	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	HC-FDOT-04	Education Efforts	Pamphlets, PSAs, Illicit Discharge Program.	Education Efforts	Underway	N/A	3	0	Hendry Creek	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	IR-FDOT-01	Wet Detention Ponds (Pond 5D) Facility ID: 12075-3500-02	Wet detention.	Wet Detention Pond	Completed	Not provided	3	0	Imperial River	96	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	IR-FDOT-01b	Wet Detention Ponds (Pond 7C) Facility ID: 12075-3500-03	Wet detention.	Wet Detention Pond	Completed	Not provided	6	0	Imperial River	96	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	IR-FDOT-01c	Wet Detention Ponds (Pond 9B) Facility ID: 12075-3500-04	Wet detention.	Wet Detention Pond	Completed	Not provided	9	0	Imperial River	96	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	N/A	IR-FDOT-02	Roadside Swales	Swale with ditch blocks.	Grass Swales with Swale Blocks or Raised Culverts	Completed	Not provided	Not provided	Not provided	Imperial River	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDOT	N/A	IR-FDOT-03	Education Efforts	Pamphlets, PSAs, Illicit Discharge Program.	Education Efforts	Underway	N/A	3	0	Imperial River	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
Lee County	DEP/ SFWMD	HC-LC-01	Lakes Park Water Quality Restoration	Retrofit Lakes Park to improve water quality of stormwater runoff by routing flows through created filter marsh system.	Filter Marsh	Completed	Prior to 2012	4,533	0	Hendry Creek	1,749	\$3,500,000	\$59,535	County/ DEP/ SFWMD	DEP – \$510,000 SFWMD – \$1,389,659	S0604
Lee County	N/A	HC-LC-02	Street Sweeping	Street sweeping.	Street Sweeping	Completed	Prior to 2012	167	29	Hendry Creek	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Lee County	N/A	HC-LC-03	Education/ Fertilizer Ordinance	Public education on implementation of adopted fertilizer ordinance.	Education Efforts	Completed	Prior to 2012	1,980	0	Hendry Creek	N/A	Not provided	N/A	County	Not provided	N/A
Lee County	N/A	HC-LC-04	Island Park Filter Marsh	Wetland creation and enhancement that included exotic plant removal, filter marsh creation, and native replanting.	Filter Marsh	Completed	Prior to 2012	Not provided	Not provided	Hendry Creek	160	\$925,000	Not provided	Not provided	Not provided	N/A
Lee County	N/A	HC-LC-05	Lakes Park Littoral Zone Project	Creation of littoral shelves with native plantings for nutrient uptake.	Filter Marsh	Underway	2018	TBD	TBD	Hendry Creek	37	\$1,200,000	TBD	County	\$1,200,000	N/A
Lee County	DEP	HC-LC-06	Hendry Creek West Branch Restoration	Create filter marsh on 11-ac site.	Filter Marsh	Planned	2020	TBD	TBD	Hendry Creek	9	\$2,500,000	TBD	County/DE P	DEP – \$475,000	TBD
Lee County	SFWMD/ Florida Fish and Wildlife Conservation Commission (FWC)/ CREW Land and Water Trust	IR-LC-01	CREW	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	2015	0	0	Imperial River	15	\$208,818	TBD	County	\$208,818	N/A
Lee County	N/A	IR-LC-02	Pine Lake Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	1	0	Imperial River	129	\$2,366,273	\$42,454	County	\$2,366,273	Not provided
Lee County	N/A	IR-LC-03	Street Sweeping	Street sweeping.	Street Sweeping	Completed	Prior to 2012	150	50	Imperial River	N/A	Not provided	Not provided	County	Not provided	N/A
Lee County	N/A	IR-LC-04	Imperial Marsh	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	Prior to 2012	1,440	0	Imperial River	521	Not provided	N/A	County	Not provided	N/A
Lee County	N/A	IR-LC-05	Education/ Fertilizer Ordinance	Public education on implementation of	Education Efforts	Completed	Prior to 2012	6	0	Imperial River	N/A	Not provided	N/A	County	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				adopted fertilizer ordinance.												
Lee County	City of Bonita Springs	IR-LC-06	Pine Lake Preserve Rehydration Project	Joint project with Bonita Springs that will rehydrate and reestablish hydraulic connectivity between Imperial River and undisturbed CREW wetlands east of preserve on Corkscrew Swamp.	Hydrologic Restoration	Underway	2019	TBD	TBD	Imperial River	173	\$900,000	TBD	County/ City of Bonita Springs	TBD	N/A
Lee County	N/A	IR-LC-07	Edison Farms Preserve	Land purchase and conversion to conservation land use.	Land Acquisition	Completed	2017	N/A	N/A	Imperial River	N/A	\$42,435,000	TBD	County	\$42,435,000	N/A

IRL – Banana River Lagoon (BRL) BMAP

Background

The BRL BMAP covers 97,139 acres of the IRL Basin that lies between Merritt Island and the coastal barrier island, and extends in a north-south direction from Banana Creek south to the Eau Gallie Causeway. Sykes Creek and Newfound Harbor are the primary tributaries to the Banana River.

DEP verified the IRL Basin as impaired because of excessive amounts of TN and TP, as evidenced by a decrease in seagrass distribution and by low DO. In March 2009, DEP adopted the nutrient and DO IRL Basin TMDLs, with a focus on the water quality conditions necessary for seagrass regrowth at the depth limits where seagrass historically grew in the basin, based on a multiyear composite of seagrass coverage. The BRL BMAP was adopted in February 2013 to implement the TN and TP TMDL.

The BRL BMAP is one of three separate BMAPs developed for the IRL subbasins, because of its large size and hydrologic diversity. The BRL was further divided into project zones (**Figure C-2**) with boundaries based on the distinct hydrology in different areas of the basin and their corresponding annual residence times. The zones are important because flushing times vary greatly among locations and consequently affect how nutrient reductions will impact these distinct areas. The project zones identify large areas where projects should be implemented to ensure that the load reductions achieve the desired response for each subbasin. The two project zones are as follows:

- **BRL A** – The area north of and including the SR 520 Causeway.
- **BRL B** – The area south of the SR 520 Causeway.

Status of Projects

Through December 31, 2017, 194 projects were completed. An additional 39 projects that are underway or planned were added to the BMAP. The projects completed to date are estimated to achieve total reductions of 43,403 lbs/yr of TN, or 45 % of the reductions needed to meet the portion of the TN TMDL allocated to the BRL. Completed projects completed to date are estimated to achieve total reductions of 8,871 lbs/yr of TP, or 40 % of the reductions needed to meet the portion of the TP TMDL allocated to the BRL.

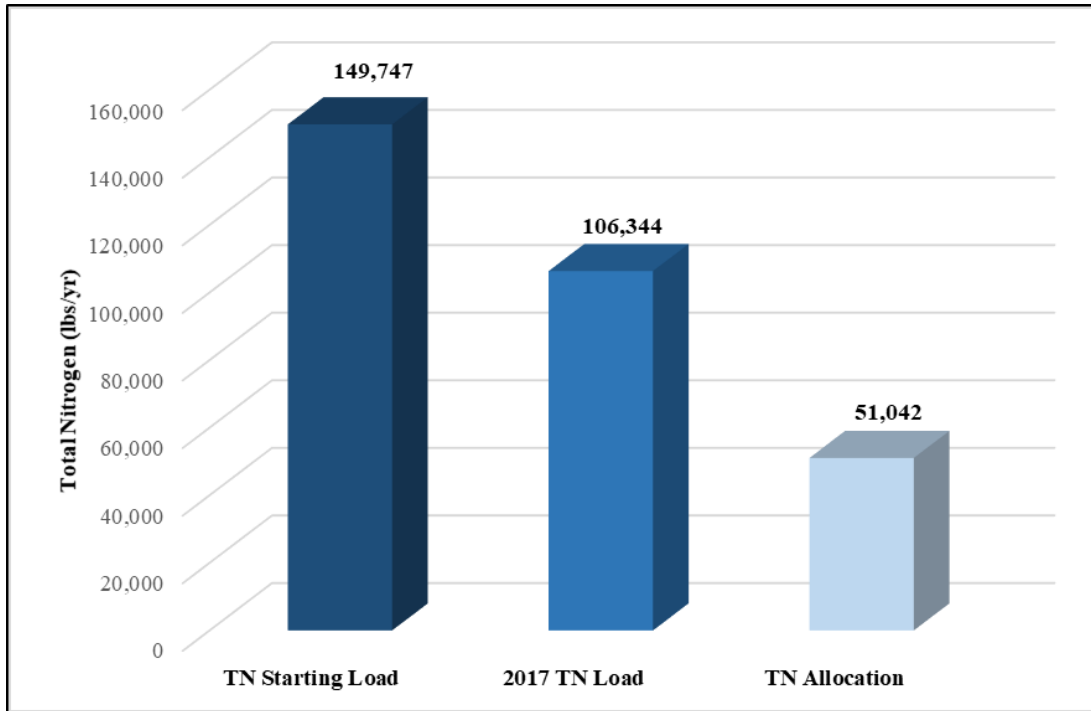


Figure C-4. Estimated progress toward meeting the IRL TN TMDL allocated to the BRL. Reductions are associated with projects completed through December 31, 2017.

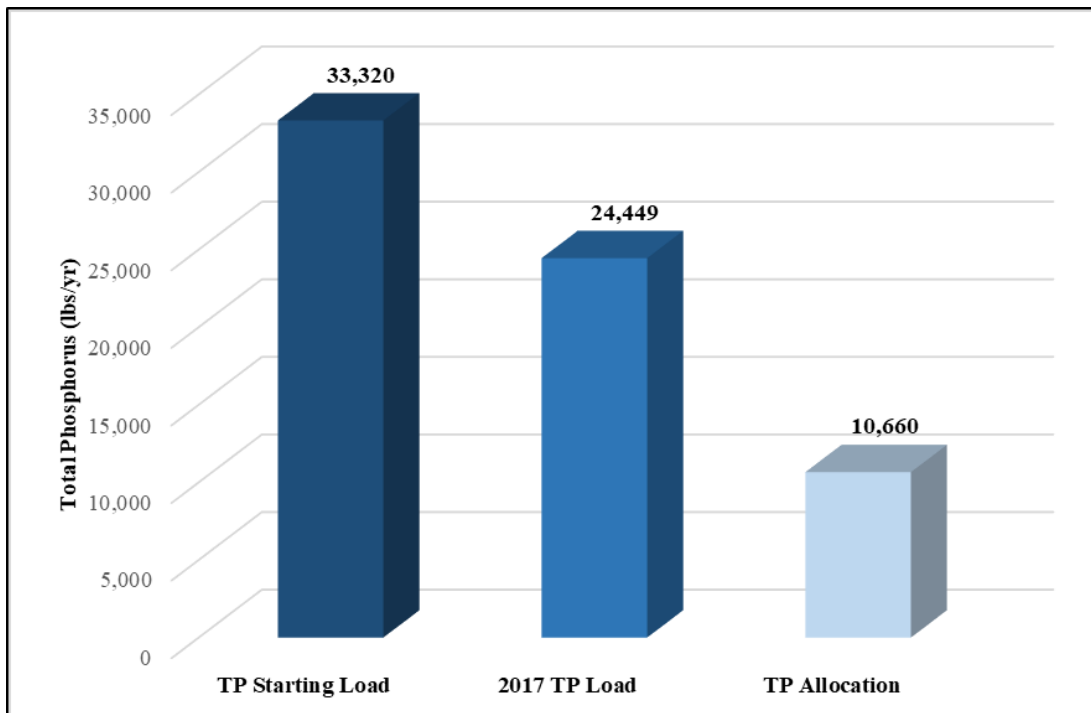


Figure C-5. Estimated progress toward meeting the IRL TP TMDL allocated to the BRL. Reductions are associated with projects completed through December 31, 2017.

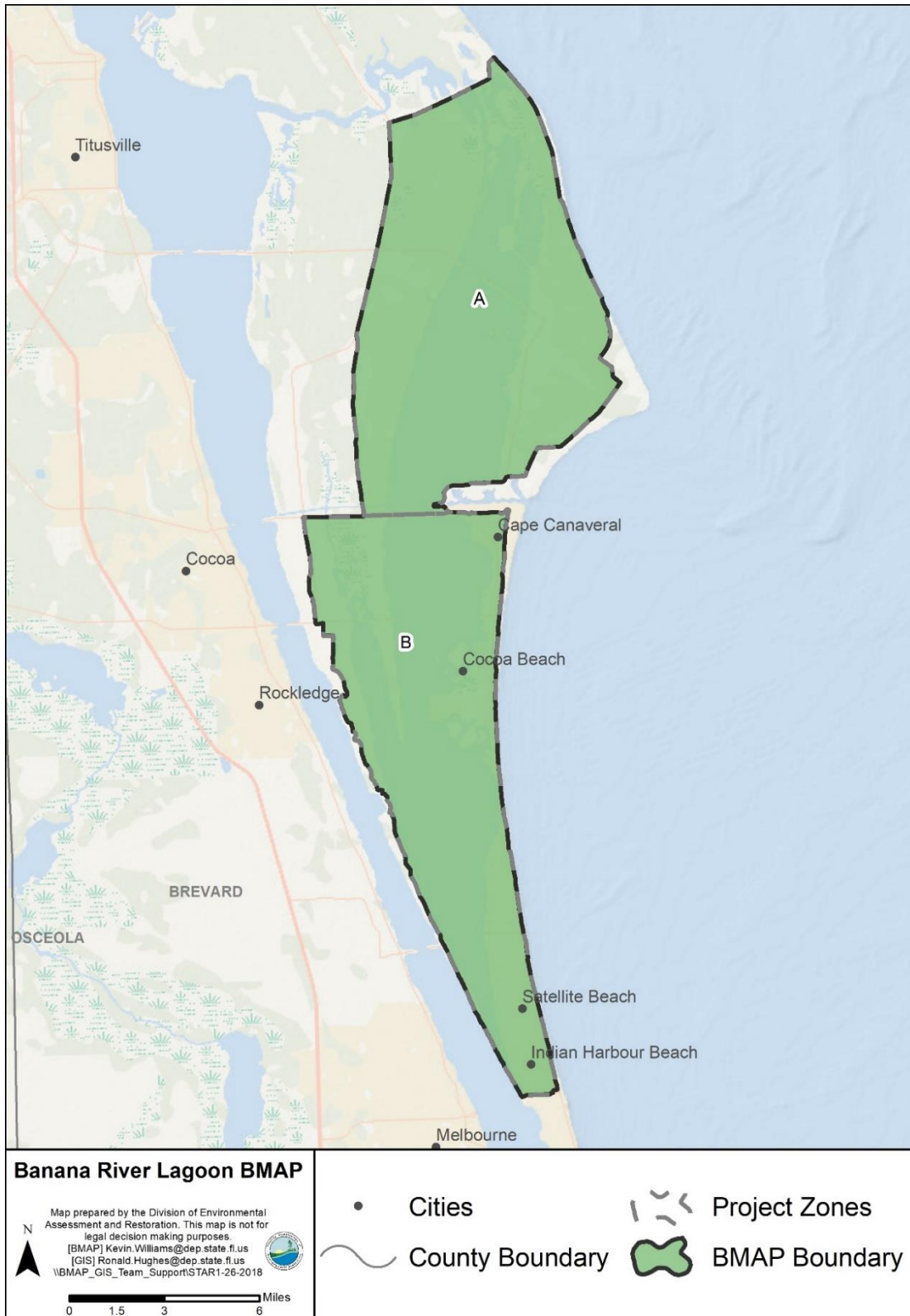


Figure C-6. BRL BMAP area

Table C-2. BRL BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Brevard County	N/A	BC-01	Education Efforts	FYN; landscape, irrigation, fertilizer, and pet waste ordinances; PSAs; pamphlets; website; Illicit Discharge Program.	Education Efforts	Underway	N/A	79	14	A	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-02	Pine Island Phase I and II	Not provided.	Wet Detention Pond	Completed	2015	160	102	A	15	\$19,235	Not provided	DEP	\$19,235	G0288/G0344
Brevard County	DEP	BC-03	Florida Blvd. Pond	Not provided.	Wet Detention Pond	Completed	2013	324	126	B	74	\$350,384	Not provided	DEP	\$350,384	WM744
Brevard County	DEP	BC-04	Hampton North (Riverside)	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2013	1	1	B	15	\$27,000	Not provided	DEP	\$27,000	G0268
Brevard County	DEP	BC-05	Hampton South (Needle Blvd)	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2013	1	2	B	18	\$29,000	Not provided	DEP	\$29,000	G0268
Brevard County	DEP	BC-06	Albatross	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2013	1	2	B	22	\$33,000	Not provided	DEP	\$33,000	G0268
Brevard County	DEP	BC-07	Surfside	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2013	2	2	B	23	\$31,500	Not provided	DEP	\$31,500	G0268
Brevard County	DEP	BC-08	West Scots	Not provided.	Baffle Boxes – 2nd Generation	Completed	2013	30	6	B	10	\$41,000	Not provided	DEP	\$41,000	G0268
Brevard County	DEP	BC-09	Johns Cir.	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2013	2	2	B	20	\$31,000	Not provided	DEP	\$31,000	G0268
Brevard County	DEP	BC-10	Farrington Dr.	Not provided.	Baffle Boxes – 2nd Generation	Completed	2013	24	5	B	8	\$37,500	Not provided	DEP	\$37,500	G0268
Brevard County	DEP	BC-11	Porpoise Street	Not provided.	Baffle Boxes – 2nd Generation	Completed	2013	25	5	B	8	\$42,000	Not provided	DEP	\$42,000	G0268
Brevard County	DEP	BC-12	Angler Street	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2013	1	1	B	10	\$30,700	Not provided	DEP	\$30,700	G0268
Brevard County	DEP	BC-13	Diana Shores	Not provided.	Stormceptor™ Unit	Completed	2013	0	17	B	39	\$102,000	Not provided	DEP	\$102,000	G0268
Brevard County	N/A	BC-14	Education Efforts	FYN; landscape, irrigation, fertilizer, and pet waste ordinances; PSAs; pamphlets; website;	Education Efforts	Underway	N/A	3,854	825	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Illicit Discharge Program.												
Brevard County	N/A	BC-15	Street Sweeping	Monthly street sweeping on 786 mi.	Street Sweeping	Underway	N/A	525	336	A	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-16	Fortenberry Pond	Not provided.	Wet Detention Pond	Completed	2015	847	365	B	165	\$10,900,000	\$35,000	DEP	\$10,900,000	S0646
Brevard County	DEP	BC-17	Merritt Island Airport Pond	Not provided.	Wet Detention Pond	Completed	2013	458	160	B	148	\$652,056	Not provided	DEP	\$652,056	S0439
Brevard County	Not provided	BC-18	Florida Blvd.	Not provided.	Floating Islands/ MAPS	Completed	2013	117	14	B	74	\$40,772	\$18,295	Not provided	\$40,772	Not provided
Brevard County	DEP	BC-19	Third Ave. Baffle Box	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2015	93	10	B	53	\$31,452	Not provided	DEP	\$31,452	S0648
Brevard County	Not provided	BC-20	BMP Clean Out	Not provided.	BMP Clean Out	Completed	Not provided	1	1	B	Not provided	\$95,069	\$55,300	Not provided	\$95,069	Not provided
Brevard County	DEP	BC-21	Fourth Pl. Baffle Box	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2015	146	26	B	57	\$34,037	Not provided	DEP	\$34,037	S0648
Brevard County	DEP	BC-22	Thrush 405 Baffle Box	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2015	7	1	B	4	\$12,507	Not provided	DEP	\$12,507	S0648
Brevard County	Not provided	BC-23	Fortenberry Pond MAPS	Not provided.	Floating Islands/ MAPS	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brevard County	DEP	BC-24	Merritt Ridge Pond 3A	Not provided.	Floating Islands/ MAPS	Underway	Not provided	210	49	B	84	\$114,914	\$25,091	DEP	\$114,914	G0430
Brevard County	Not provided	BC-25	Cassia Phase 3	Not provided	Online Retention BMP	Completed	2013	100	0	B	18	\$100,000	Not provided	Not provided	\$100,000	N/A
Brevard County	SJRWMD	BC-26	South Patrick Dr. Baffle Box	2nd-generation baffle box with denitrification bioreactor.	Baffle Boxes – 2nd Generation	Underway	Not provided	132	17	B	74	\$625,000	Not provided	SJRWMD	\$625,000	SJRWMD #28401
Brevard County	Not provided	BC-27	Kelly Park Reuse	Not provided.	Stormwater Reuse	Completed	2013	19	1	B	33	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-28	Patrick Air Force Base (AFB) Golf Course Pond Stormwater Reuse	Not provided.	Stormwater Reuse	Underway	Not provided	359	0	B	88	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-29	Ocean Blvd.	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2015	10	1	B	6	\$12,507	Not provided	DEP	\$12,507	S0648
Brevard County	N/A	BC-30	Street Sweeping	Monthly street sweeping.	Street Sweeping	Underway	N/A	0	0	A	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Brevard County	Not provided	BC-31	BMP Clean Out	Quarterly baffle box/sediment trap cleaning.	BMP Clean Out	Completed	N/A	0	0	A	N/A	Not provided	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Brevard County	DEP	BC-32	Cocoa Beach Canal Dredging	Muck removal of 84,000 cubic yds of material.	Muck Removal / Restoration Dredging	Completed	2017	0	0	B	Not provided	\$20,000,000	Not provided	DEP	\$20,000,000	S0714
Cape Canaveral Air Force Station	N/A	CCAFS-01	Nonuse of Fertilizer/ Fertilizer Ordinance	No fertilizer is used at station.	Education Efforts	Underway	N/A	377	108	A	N/A	N/A	N/A	U.S. Air Force (USAF)	N/A	N/A
Cape Canaveral Air Force Station	N/A	CCAFS-02	Street Sweeping	Removed 21.93 tons of sediment and disposed of it at landfill.	Street Sweeping	Underway	N/A	128	60	A	N/A	Not provided	\$715	USAF	Not provided	N/A
Cape Canaveral Air Force Station	N/A	CCAFS-03	Dry Detention Ponds after 2000	Identified 36 parcels subject to Environmental Resource Permits (ERPs) that provide treatment that were not included in Pollution Load Screening Model (PLSM).	Dry Detention Pond	Completed	N/A	TBD	TBD	A	477	N/A	\$12,000	USAF	N/A	N/A
Cape Canaveral Air Force Station	N/A	CCAFS-04	Online Wet Retention Ponds after 2000	Provided 3.187 in of additional treatment in 5 ERP drainage basins that were not included in PLSM.	Online Retention BMPs	Completed	N/A	TBD	TBD	A	157	N/A	\$2,000	USAF	N/A	N/A
Cape Canaveral Air Force Station	N/A	CCAFS-05	TMDL Monitoring and Data Collection	Collect stormwater and baseflow nutrient concentrations and rainfall data at 5 monitoring stations; collect baseflow and stormwater runoff flow volume data and groundwater elevation data at 6 monitoring stations.	Monitoring/Data Collection	Underway	TBD	N/A	N/A	A	N/A	\$1,850,000	\$370,000	USAF	\$1,850,000	N/A
Cape Canaveral Air Force Station	N/A	CCAFS-06	WWTF Upgrade Feasibility Study	Pilot study to improve removal rates of nitrates, TN, and ammonia in WWTF effluent.	Study	Completed	2017	N/A	N/A	A	N/A	\$46,000	N/A	USAF	\$46,000	N/A
Cape Canaveral Air Force Station	N/A	CCAFS-07	Invasive Vegetation Management	Wetland enhancement through annual exotic vegetation removal.	Exotic Vegetation Removal	Underway	TBD	N/A	N/A	A	N/A	Not provided	Not provided	USAF	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Cape Canaveral Air Force Station	N/A	CCAFS-08	Sanitary Sewer infiltration and inflow (I&I) Study	Conduct I&I study of sanitary sewer system.	Study	Planned	TBD	N/A	N/A	A	N/A	TBD	N/A	USAF	TBD	N/A
Cape Canaveral Air Force Station	N/A	CCAFS-09	Public Education	3 outreach events were held that removed 30 tons of debris through beach clean ups.	Enhanced Public Education	Completed	2017	N/A	N/A	B	N/A	Not provided	N/A	USAF	Not provided	N/A
Cape Canaveral Air Force Station	N/A	CCAFS-10	Wetlands as Filters	Station has many canals and functional culvert openings that allow connection with BRL at 11 surface ac: 65 surface ac of Army wharf connect with Atlantic Ocean, and 106 surface ac of Trident wharf connect with Atlantic Ocean, totaling 182 surface ac of jurisdictional wetlands.	Natural Wetlands as Filters	Planned	TBD	TBD	TBD	B	182	TBD	TBD	USAF	TBD	N/A
City of Cape Canaveral	SJRWMD	CC-01	Holman Rd. Baffle Box	1st-generation baffle box installation near Holman Rd. outfall.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2006	2	2	B	29	\$75,000	\$1,200	SJRWMD/ City	SJRWMD – \$45,000 City – \$30,000	N/A
City of Cape Canaveral	SJRWMD	CC-02	Center St. Baffle Box	1st-generation baffle box installation near Center St. outfall.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2006	8	9	B	117	\$75,000	\$1,200	SJRWMD/ City	SJRWMD – \$45,000 City – \$30,000	N/A
City of Cape Canaveral	SJRWMD	CC-03	International Dr. Baffle Box	1st-generation baffle box installation near International Dr. outfall.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2006	12	4	B	179	\$75,000	\$1,200	SJRWMD/ City	SJRWMD – \$45,000 City – \$30,000	N/A
City of Cape Canaveral	SJRWMD	CC-04	Angel Isles Baffle Box	1st-generation baffle box installation near Angel Isles outfall.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2006	4	3	B	106	\$75,000	\$1,200	SJRWMD/ City	SJRWMD – \$45,000 City – \$30,000	N/A
City of Cape Canaveral	N/A	CC-05	WWTP Baffle Box	1st-generation baffle box installation at WWTP.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2004	0	0	B	11	\$15,000	\$1,200	City	\$15,000	N/A
City of Cape Canaveral	SJRWMD	CC-06	West Central Blvd. Baffle Box	1st-generation baffle box installation at West Central Blvd.	Baffle Boxes –	Completed	2005	13	14	B	213	\$75,000	\$1,200	SJRWMD/ City	SJRWMD – \$45,000 City – \$30,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				outfall to Central Ditch.	1st Generation (hydrodynamic separator)											
City of Cape Canaveral	DEP	CC-07	Central Ditch Baffle Box (3 count)	2nd-generation baffle box installations (3) in northern portion of Central Ditch.	Baffle Boxes – 2nd Generation	Completed	2009	223	40	B	248	\$443,003	\$3,600	DEP/City	DEP – \$263,402 City – \$179,601	G0136
City of Cape Canaveral	N/A	CC-08	Street Sweeping	Sweeping of streets/pedways.	Street Sweeping	Underway	2002	Not provided	Not provided	B	Not provided	\$12,322	N/A	City	\$12,322	N/A
City of Cape Canaveral	N/A	CC-09	Shorewood Drainage Subbasin	Basin with no stormwater discharge.	100 % Onsite Retention	Completed	Pre-2013	Not provided	Not provided	B	170	Not provided	\$0	Private Developer	Not provided	N/A
City of Cape Canaveral	N/A	CC-10	Education Efforts	FYN (Blue Life); landscape, irrigation, fertilizer, and pet waste ordinances; PSAs; pamphlets; website; Illicit Discharge Program.	Education Efforts	Underway	2014	230	55	B	N/A	\$3,100	\$500	City	\$3,100	N/A
City of Cape Canaveral	N/A	CC-11	Manatee Park Stormwater Improvements	Wet detention pond and swales.	Wet Detention Pond	Completed	2013	59	28	B	11	\$193,000	\$5,000	City	\$193,000	N/A
City of Cape Canaveral	N/A	CC-12	Banana River Park Stormwater Improvements	Stormwater swales.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	40	11	B	5	\$38,000	\$2,500	City	\$38,000	N/A
City of Cape Canaveral	N/A	CC-13	Exfiltration on North Atlantic Ave.	Stormwater swales.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2016	102	24	B	37	\$436,000	\$5,000	City	\$436,000	N/A
City of Cape Canaveral	DEP	CC-14	Exfiltration at Canaveral City Park	Stormwater vault system.	Exfiltration Trench	Completed	2017	324	76	B	30	\$1,820,500	\$3,500	DEP/City	DEP – \$1,162,662 City – \$657,838	WW050500/L P05052
City of Cape Canaveral	TBD	CC-15	Stormwater Pond on West Central Blvd.	Not provided.	Wet Detention Pond	Planned	2022	1,420	549	B	334	\$3,130,200	\$10,000	TBD	TBD	TBD
City of Cape Canaveral	N/A	CC-16	Clean Out of Baffle Boxes	Maintenance of baffle boxes.	BMP Clean Out	Completed	2014	1	0	B	N/A	\$4,500	\$1,500	City	\$4,500	N/A
City of Cape Canaveral	N/A	CC-17	Central Ditch Dredging Project	Dredging of southern portion of Central Ditch.	Muck Removal / Restoration Dredging	Canceled	N/A	N/A	N/A	B	N/A	N/A	N/A	N/A	N/A	N/A
City of Cape Canaveral	N/A	CC-18	Exfiltration Piping Installations	Exfiltration piping installations – 8 locations (another 2 installations are added each year)	Exfiltration Trench	Canceled	N/A	N/A	N/A	B	N/A	N/A	N/A	N/A	N/A	N/A
City of Cape Canaveral	SJRWMD	CC-19	Reclaimed Water Tank	Reclaimed water system	WWTF Upgrade	Completed	2016	2,151	158	B	N/A	\$3,030,000	\$10,000	SJRWMD/ City	SJRWMD – \$75,000	WW050500

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				improvements (2.5-mg reclaimed water tank).											City – \$2,955,000	
City of Cape Canaveral	DEP/ Brevard County (Save Our Indian River Lagoon [SOIRL] Program)	CC-20	Central Blvd. Baffle Box Upgrade	Baffle box upgrade to 2nd generation – Central Ditch baffle box	Baffle Boxes – 2nd Generation	Completed	2017	1,221	207	B	509	\$43,700	\$1,200	DEP/City/ County	DEP – \$7,000 County – \$34,700 City – \$2,000	NF025
City of Cape Canaveral	Brevard County (SOIRL)	CC-21	Holman Rd. Swale	Swales and biosorption activated media (BAM).	BMP Treatment Train	Planned	2019	14	6	B	2	\$28,000	\$500	City/ County	TBD	N/A
City of Cape Canaveral	Brevard County (SOIRL)	CC-22	Cocoa Palms LID	Exfiltration and BAM wall.	BMP Treatment Train	Planned	2018	13	10	B	4	\$85,000	\$1,000	City/ County	TBD	N/A
City of Cape Canaveral	N/A	CC-23	Cherrie Down Park	Swale with BAM.	BMP Treatment Train	Canceled	N/A	N/A	N/A	B	N/A	N/A	N/A	N/A	N/A	N/A
City of Cape Canaveral	Brevard County (SOIRL)	CC-24	Carver Cove Swale	Swale with BAM.	BMP Treatment Train	Planned	2018	32	9	B	6	\$20,340	\$1,000	City/ County	TBD	N/A
City of Cape Canaveral	Brevard County (SOIRL)	CC-25	Cape Shores Swales (3)	Swale with BAM.	BMP Treatment Train	Planned	2018	31	15	B	8	\$108,100	\$1,000	City/ County	TBD	N/A
City of Cape Canaveral	FDOT	CC-26	International Dr.	Wet detention pond as part of SR A1A Streetscape Project.	Wet Detention Pond	Planned	2021	601	283	B	168	\$708,450	\$2,500	FDOT	\$708,450	N/A
City of Cape Canaveral	Brevard County (SOIRL)	CC-27	Justamere Rd. Swale	Dry detention swale without blocks or raised culverts and media filter.	BMP Treatment Train	Planned	2018	6	3	B	1	\$7,800	\$1,000	City/ County	TBD	N/A
City of Cape Canaveral	Brevard County (SOIRL)	CC-28	Hitching Post Berm	Berm and associated grass swale without blocks or raised culverts and media filter.	BMP Treatment Train	Planned	2018	27	22	B	9	\$40,300	\$1,000	City/ County	TBD	N/A
City of Cape Canaveral	Brevard County (SOIRL)	CC-29	Center St.. Pond	Wet detention pond.	Wet Detention Pond	Planned	2020	413	190	B	106	\$277,850	\$2,500	City/ County	TBD	N/A
City of Cape Canaveral	Brevard County (SOIRL)	CC-30	Holman Rd. Pond	Wet detenfion pond.	Wet Detention Pond	Planned	2021	36	37	B	29	\$235,630	\$2,500	City/ County	TBD	N/A
City of Cape Canaveral	Brevard County (SOIRL)	CC-31	Costa Del Sol Pond	Dry detention swale without blocks or raised culverts and media filter.	Dry Detention Pond	Planned	2019	10	3	B	3	\$58,120	\$2,500	City/ County	TBD	N/A
City of Cape Canaveral	Brevard County (SOIRL)	CC-32	Costa del Sol Denitrificaiton Wall	Exfiltration and BAM wall.	BMP Treatment Train	Planned	2021	39	34	B	13	\$18,800	\$1,000	City/ County	TBD	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Cocoa Beach	Not provided	CB-01	Maritime Hammock Preserve Alum Pond	Wet detention pond with alum.	Wet Detention Pond	Completed	2013	746	318	B	130	\$960,000	\$20,000	Not provided	\$960,000	N/A
City of Cocoa Beach	DEP	CB-02	Ocean Beach Blvd. Bioretention/Exfiltration	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	218	46	B	51	\$1,150,000	\$18,000	DEP	\$1,150,000	G0170
City of Cocoa Beach	Not provided	CB-03	2nd St. South Pollution Control Device (PCD)	Not provided.	Baffle Boxes – 2nd Generation	Completed	2013	135	25	B	52	\$181,974	\$1,200	Not provided	\$181,974	N/A
City of Cocoa Beach	Not provided	CB-04	Cottage Row Parking Facilities Lot	Not provided.	Exfiltration Trench	Completed	2013	37	9	B	2	Not provided	\$500	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-05	Shepard Park Improvements	Not provided.	Dry Detention Pond	Completed	2013	0	0	B	0	Not provided	\$3,000	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-06	Burris Way (alley) Exfiltration	Not provided.	Exfiltration Trench	Completed	2013	4	1	B	1	Not provided	\$1,200	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-07	Brevard Ave. Exfiltration	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	5	1	B	1	Not provided	\$300	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-08	50 Danube River Exfiltration	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	1	0	B	2	Not provided	\$300	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-09	12 Bougainvillea Dr. Exfiltration	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	1	0	B	1	Not provided	\$300	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-10	9th St. S and Brevard Ave. Exfiltration	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	0	0	B	0	Not provided	\$300	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-11	321 Jack Dr. Exfiltration	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	0	0	B	1	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-12	125 Cedar Ave. Exfiltration	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	1	0	B	1	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-13	Meade Bioretention	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	0	0	B	0	Not provided	\$300	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-14	Osceola E Bioretention	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	Not provided	Not provided	Outside Model Boundary	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-15	4th St. N Bioretention	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	1	0	B	0	Not provided	\$120	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Cocoa Beach	Not provided	CB-16	4th St. S Bioretention	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	2	1	B	1	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-17	3rd St. South N Bioretention	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	Not provided	Not provided	Outside Model Boundary	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-18	3rd St South S Bioretention	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	Not provided	Not provided	Outside Model Boundary	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-19	Holiday Lane Bioretention	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	34	7	B	5	Not provided	\$1,200	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-20	S Banana/ St. Lucie Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	13	3	B	4	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-21	S Banana/ St. Lucie Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	2	0	B	1	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-22	Banana River Retention	Not provided.	Dry Detention Pond	Completed	2013	2	0	B	1	Not provided	\$1,500	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-23	Banana River Retention	Not provided.	Dry Detention Pond	Completed	2013	2	1	B	1	Not provided	\$1,500	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-24	Minutemen/ Country Club Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	7	2	B	2	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-25	Palm Ave. Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	0	0	B	0	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-26	Minutemen/CBHS	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	20	5	B	1	Not provided	\$500	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-27	Minutemen/PW Complex Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	4	1	B	2	Not provided	\$3,000	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-28	Tom Warriner/ Public Works Complex Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	3	0	B	1	Not provided	\$3,000	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-29	Shepard Dr. Swale	Not provided.	Grass Swales without Swale	Completed	2013	3	1	B	1	Not provided	\$120	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
					Blocks or Raised Culverts											
City of Cocoa Beach	Not provided	CB-30	Shepard Dr. Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	5	0	B	1	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-31	W Gadsden/ Banana Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Cocoa Beach	Not provided	CB-32	W Pasco/Banana Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	2	0	B	1	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-33	W Pasco/Banana Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	3	0	B	2	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-34	32 Inlet Baskets	Not provided.	BMP Clean Out	Completed	2013	32	10	B	Not provided	Not provided	\$1,200	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-35	Dino Museum/ Store, 250 W Cocoa Beach Causeway	Not provided.	Dry Detention Pond	Completed	2013	4	1	B	2	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-36	332-334 N Orlando	Not provided.	Dry Detention Pond	Completed	2013	1	0	B	1	Not provided	\$120	Not provided	Not provided	N/A
City of Cocoa Beach	Not provided	CB-37	Street Sweeping	Not provided.	Street Sweeping	Underway	N/A	84	54	B	N/A	\$38,405	\$38,405	Not provided	\$38,405	N/A
City of Cocoa Beach	N/A	CB-38	Education Efforts	FYN; landscape, irrigation, fertilizer, and pet waste ordinances; PSAs; pamphlets; website; Illicit Discharge Program.	Education Efforts	Underway	N/A	1,098	228	B	N/A	\$5,000	\$5,000	Not provided	\$5,000	N/A
City of Cocoa Beach	DEP	CB-39	Minutemen Corridor Stormwater Improvement/LID	Bioretention/rain tanks/paver storage/nutrient sorption media.	BMP Treatment Train	Underway	Not provided	330	74	B	20	\$4,625,328	\$12,000	DEP	\$4,625,328	G0412
City of Cocoa Beach	Not provided	CB-40	Downtown North LID	LID/nutrient sorption media.	BMP Treatment Train	Underway	Not provided	TBD	TBD	B	43	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-01	N Osceola Dr.	Not provided.	Exfiltration Trench	Completed	2013	42	6	B	9	\$60,000	\$500	Not provided	\$60,000	N/A
City of Indian Harbour Beach	Not provided	IHB-02	Datura Dr.	Not provided.	Exfiltration Trench	Completed	2013	4	1	B	1	\$50,000	\$300	Not provided	\$50,000	N/A
City of Indian	Not provided	IHB-03	Coquina Palms Subdivision	Not provided.	100 % Onsite Retention	Completed	2013	61	11	B	6	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Harbour Beach																
City of Indian Harbour Beach	Not provided	IHB-04	Education Efforts	Landscape, irrigation, fertilizer, and pet waste ordinances; pamphlets, Illicit Discharge Program.	Education Efforts	Underway	N/A	648	121	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-05	Inlet Cleaning	Not provided.	BMP Clean Out	Completed	Not provided	7	4	B	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	N/A	IHB-06	Street Sweeping	Not provided.	Street Sweeping	Underway	N/A	150	96	B	N/A	\$9,800	Not provided	Not provided	\$9,800	N/A
City of Indian Harbour Beach	Not provided	IHB-07	Gleason Park Phase 1	Not provided.	Wet Detention Pond	Completed	2013	382	119	B	129	\$135,000	\$200	Not provided	\$135,000	N/A
City of Indian Harbour Beach	Not provided	IHB-08	Atlantic Ave. Swale	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	8	1	B	1	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-09	Gleason Park Irrigation	Not provided.	Reclaimed Water	Completed	Not provided	48	8	B	129	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-10	Indian Harbour Beach Condo Pond	(Previously named Lift Station Pond).	Dry Detention Pond	Completed	2016	48	8	B	2	\$13,277	Not provided	Not provided	\$13,277	N/A
City of Indian Harbour Beach	Not provided	IHB-11	Fire Station Exfiltration	Not provided.	Exfiltration Trench	Completed	2013	9	1	B	3	\$11,481	Not provided	Not provided	\$11,481	N/A
City of Indian Harbour Beach	Not provided	IHB-12	School Rd. at Park Dr.	Not provided.	Exfiltration Trench	Completed	2013	15	3	B	16	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-13	Yuma Dr. Exfiltration	Not provided.	Exfiltration Trench	Completed	2014	26	6	B	11	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-14	Lime Bay Exfiltration	Not provided.	Exfiltration Trench	Completed	2014	28	6	B	31	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian	Not provided	IHB-15	Andros Lane Exfiltration	Not provided.	Exfiltration Trench	Completed	2014	4	1	B	9	Not provided	Not provided	Not provided	Not provided	N/A

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Harbour Beach																
City of Indian Harbour Beach	Not provided	IHB-16	Indian Harbour Beach Condo Pond	Not provided.	Dry Detention Pond	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Indian Harbour Beach	Not provided	IHB-17	Fire Station Exfiltration	Not provided.	Exfiltration Trench	Completed	2016	3	0	B	3	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-18	Inwood Lane Exfiltration	Not provided.	Exfiltration Trench	Completed	2016	8	1	B	8	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	SOIRL	IHB-19	Gleason Park Irrigation Expansion	Expansion of irrigation in Gleason Park.	Reclaimed Water	Completed	2017	48	8	B	129	\$11,000	TBD	SOIRL	\$4,224	N/A
City of Indian Harbour Beach	Not provided	IHB-20	Oars and Paddles Dry Pond	Dry detention with BAM.	Dry Detention Pond	Planned	TBD	TBD	TBD	B	35	TBD	TBD	TBD	TBD	N/A
City of Indian Harbour Beach	Not provided	IHB-21	FDOT Pond #3 Beemats	Beemats (6,700 square ft).	Floating Islands/ MAPS	Planned	TBD	TBD	TBD	B	138	\$10,000	TBD	TBD	TBD	N/A
City of Indian Harbour Beach	TBD	IHB-22	Kristi and Pinetree Dr. Swale	1,000-ft-long swale along Pinetree Dr.; swales with blocks or raised culverts.	Grass Swale with Swale Blocks or Raised Culverts	Planned	TBD	54	12	B	4	\$12,000	TBD	TBD	TBD	N/A
City of Indian Harbour Beach	TBD	IHB-23	Wimico Dr. Swale	Retention swale, perhaps with BAM, along Wimico Dr.; swales with blocks or raised culverts.	Grass Swale with Swale Blocks or Raised Culverts	Planned	TBD	23	3	B	3	\$10,000	TBD	TBD	TBD	N/A
City of Indian Harbour Beach	TBD	IHB-24	Crispino Wet Pond	Construction of 2.9-ac wet pond in Crispino Park (city-owned).	Wet Detention Pond	Planned	TBD	99	32	B	34	\$600,000	TBD	TBD	TBD	N/A
City of Indian Harbour Beach	SOIRL	IHB-25	Big Muddy Canal Baffle Box @ Cynthia	Baffle box installed at major outfall to Big Muddy Canal.	Baffle Boxes – 2nd Generation	Underway	TBD	TBD	TBD	B	32	\$283,975	TBD	SOIRL	\$26,637	N/A
City of Indian Harbour Beach	Not provided	IHB-26	Cheyenne Dr./Marion Baffle	Baffle Box installed at major outfall to Big Muddy Canal.	Baffle Boxes – 2nd Generation	Underway	TBD	TBD	TBD	B	TBD	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian	Not provided	IHB-27	Beach Funeral Home Pervious Parking	Provide retention using pervious parking.	Pervious Pavement	Underway	TBD	TBD	TBD	B	TBD	Not provided	Not provided	Not provided	Not provided	N/A

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Harbour Beach																
City of Indian Harbour Beach	Not provided	IHB-28	Townhouse Estates Exfiltration	Exfiltration or dry pond in residential neighborhood.	Exfiltration Trench	Underway	TBD	TBD	TBD	B	5	\$15,000	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-29	Palm Springs Swale	Swale in entire median (2,200 ft) of Palm Springs Blvd.; swales with blocks or raised culverts.	Grass Swale with Swale Blocks or Raised Culverts	Underway	TBD	83	21	B	5	\$10,000	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-30	Alhambra Exfiltration	Indian Head (master plan) exfiltration with 1,330 ft exfiltration pipe.	Exfiltration Trench	Underway	TBD	63	10	B	16	\$500,000	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-31	Ronnie Exfiltration Extension	Extension of Project IHB-29; additional 500 ft exfiltration pipe.	Exfiltration Trench	Underway	TBD	15	2	B	2	\$200,000	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-32	Atlantic Exfiltration East	Jamestown Phase 1 (master plan) with 4,600 ft exfiltration.	Exfiltration Trench	Underway	TBD	188	27	B	38	\$1,400,000	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-33	Atlantic Exfiltration West	Jamestown Phase 2 (master plan) exfiltration with weirs, etc.	Exfiltration Trench	Underway	TBD	107	15	B	32	\$1,200,000	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-34	Pinetree Streetscaping	LID features including planters, rain garden, porous pavement, and BAM.	BMP Treatment Train	Underway	TBD	TBD	TBD	B	91	Not provided	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	Not provided	IHB-35	Muck Dredging	Muck dredging along major canals, including Grand Canal.	Muck Removal/Restoration Dredging	Underway	TBD	TBD	TBD	B	N/A	\$9,625,000	Not provided	Not provided	Not provided	N/A
City of Indian Harbour Beach	TBD	IHB-36	Save Our Lagoon Park	Wet detention pond; perhaps other LID features	Wet Detention Pond	Planned	TBD	TBD	TBD	B	43	TBD	TBD	TBD	TBD	N/A
City of Satellite Beach	Not provided	SB-01	Jackson Exfiltration	Not provided.	Exfiltration Trench	Completed	2013	9	2	B	25	Not provided	Not provided	Not provided	Not provided	N/A
City of Satellite Beach	Not provided	SB-02	Jackson Exfiltration	Not provided.	Exfiltration Trench	Completed	2013	6	1	B	8	Not provided	Not provided	Not provided	Not provided	N/A
City of Satellite Beach	Not provided	SB-03	Jackson Exfiltration	Not provided.	Exfiltration Trench	Completed	2013	6	2	B	9	Not provided	Not provided	Not provided	Not provided	N/A

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City of Satellite Beach	Not provided	SB-04	Avocado CDS Unit	Not provided.	CDS Unit	Completed	2013	0	3	B	9	Not provided	Not provided	Not provided	Not provided	N/A
City of Satellite Beach	Not provided	SB-05	Jackson Exfiltration	Not provided.	Exfiltration Trench	Completed	2013	3	0	B	12	Not provided	Not provided	Not provided	Not provided	N/A
City of Satellite Beach	DEP	SB-06	Coconut Exfiltration	Not provided.	Exfiltration Trench	Completed	2013	27	5	B	40	Not provided	Not provided	DEP	Not provided	G0082
City of Satellite Beach	DEP	SB-07	Desoto Exfiltration	Not provided.	Exfiltration Trench	Completed	2013	97	14	B	108	Not provided	Not provided	DEP	Not provided	G0082
City of Satellite Beach	DEP	SB-08	Desoto Exfiltration	Not provided.	Exfiltration Trench	Completed	2013	25	4	B	8	Not provided	Not provided	DEP	Not provided	G0082
City of Satellite Beach	DEP	SB-09	Jamaica Blvd. Ponds	Not provided.	Wet Detention Pond	Completed	2013	600	160	B	216	Not provided	Not provided	DEP	Not provided	WM840
City of Satellite Beach	DEP	SB-10	Jamaica Pond Reuse	Not provided.	Stormwater Reuse	Completed	2013	277	25	B	216	Not provided	Not provided	DEP	Not provided	WM840
City of Satellite Beach	DEP	SB-11	Desoto Exfiltration	Not provided.	Exfiltration Trench	Completed	2013	17	2	B	4	Not provided	Not provided	DEP	Not provided	G0082
City of Satellite Beach	DEP	SB-12	Desoto Baffle Boxes	Not provided.	Baffle Boxes – 2nd Generation	Completed	2013	82	10	B	58	Not provided	Not provided	DEP	Not provided	G0081
City of Satellite Beach	DEP	SB-13	Cassia Phase 1-22	Not provided.	Baffle Boxes – 2nd Generation	Completed	2013	61	8	B	33	\$1,796,800	Not provided	DEP	\$1,796,800	G0162
City of Satellite Beach	DEP	SB-14	Cassia Phase 1-23	Not provided.	Baffle Boxes – 2nd Generation	Completed	2013	30	6	B	13	Not provided	Not provided	DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-15	Cassia Phase 1-24	Part of SB-13.	Online Retention BMP	Completed	2013	18	4	B	13	Not provided	Not provided	DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-16	Cassia Phase 1-25	Part of SB-13.	Online Retention BMP	Completed	2013	13	2	B	20	Not provided	Not provided	DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-17	Cassia Phase 1-26	Part of SB-13.	Online Retention BMP	Completed	2013	12	3	B	14	Not provided	Not provided	DEP	Not provided	G0162
City of Satellite Beach	Not provided	SB-18	North Basin Stormwater Retrofit	Not provided.	Online Retention BMP	Completed	2013	318	81	B	98	Not provided	Not provided	Not provided	Not provided	N/A
City of Satellite Beach	Not provided	SB-19	Street Sweeping	Not provided.	Street Sweeping	Underway	N/A	47	30	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Satellite Beach	Not provided	SB-20	Education Efforts	FYN; landscape, irrigation, fertilizer, and pet waste ordinances; PSAs; pamphlets; website; Illicit Discharge Program.	Education Efforts	Underway	N/A	1,002	197	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Satellite Beach	DEP	SB-21	Cassia Phase 3 – C3A	Retention swales.	Online Retention BMP	Completed	2013	3	1	B	0	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-22	Cassia Phase 3 – C3B	Retention swales.	Online Retention BMP	Completed	2013	2	1	B	0	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-23	Cassia Phase 3 – C3C	Retention swales.	Online Retention BMP	Completed	2013	2	1	B	0	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-24	Cassia Phase 3 – C3D	Retention swales.	Online Retention BMP	Completed	2013	3	1	B	0	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-25	Cassia Phase 3 – C3E	Retention swales.	Online Retention BMP	Completed	2013	3	1	B	0	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-26	Cassia Phase 3 – C3F	Retention swales.	Online Retention BMP	Completed	2013	11	3	B	2	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-27	Cassia Phase 3 – C3G	Retention swales.	Online Retention BMP	Completed	2013	8	2	B	1	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-28	Cassia Phase 3 – C5A	Retention swales.	Online Retention BMP	Completed	2013	2	1	B	0	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-29	Cassia Phase 3 – C5B	Retention swales.	Online Retention BMP	Completed	2013	24	5	B	6	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-30	Cassia Phase 3 – C7A	Retention swales.	Online Retention BMP	Completed	2013	3	0	B	0	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-31	Cassia Phase 3 – C7B	Retention swales.	Online Retention BMP	Completed	2013	25	4	B	4	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-32	Cassia Phase 3 – C9A	Retention swales.	Online Retention BMP	Completed	2013	4	1	B	1	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-33	Cassia Phase 3 – C9B	Retention swales.	Online Retention BMP	Completed	2013	19	3	B	2	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-34	Cassia Phase 3 – C13A	Retention swales.	Online Retention BMP	Completed	2013	7	2	B	1	Not provided	Not provided	City/ DEP	Not provided	G0162

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City of Satellite Beach	DEP	SB-35	Cassia Phase 3 – C13B	Retention swales.	Online Retention BMP	Completed	2013	1	0	B	0	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-36	Cassia Phase 3 – C13C	Retention swales.	Online Retention BMP	Completed	2013	9	2	B	3	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-37	Cassia Phase 3 – C13D	Retention swales.	Online Retention BMP	Completed	2013	7	2	B	1	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-38	Cassia Phase 3 – C13E	Retention swales.	Online Retention BMP	Completed	2013	9	2	B	1	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-39	Cassia Phase 3 – C13F	Retention swales.	Online Retention BMP	Completed	2013	11	3	B	2	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	DEP	SB-40	Cassia Phase 3 – C13G	Retention swales.	Online Retention BMP	Completed	2013	15	4	B	3	Not provided	Not provided	City/ DEP	Not provided	G0162
City of Satellite Beach	Not provided	SB-41	Roosevelt Ave.	Offline retention swales.	Offline Retention BMP	Completed	2016	TBD	TBD	B	32	\$43,482	Not provided	Not provided	\$43,482	N/A
City of Satellite Beach	Not provided	SB-42	Roosevelt Ave.	Offline retention pipes.	Exfiltration Trench	Completed	2016	TBD	TBD	B	3	\$34,350	Not provided	Not provided	\$34,350	N/A
City of Satellite Beach	DEP	SB-43	Desoto Park	Wet detention pond that also features stormwater reuse and BAM.	Wet Detention Pond	Planned	2018	TBD	TBD	B	293	\$950,000	Not provided	City/ DEP	\$703,000	NF011
FDOT District 5	N/A	FDOT-01	Street Sweeping	Street sweeping.	Street Sweeping	Underway	N/A	49	31	A	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-02	Education Efforts	Pamphlets, Illicit Discharge Program.	Education Efforts	Underway	N/A	1	1	A	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-03	Fertilizer Cessation	Elimination of fertilizer application in rights-of-way.	Fertilizer Cessation	Completed	2014	102	0	A	103	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-04	Force Main (FM): 237139 D5_70120-3518-01	Pond 7.	Wet Detention Pond	Completed	2013	63	16	B	5	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-05	FM: 237454 D5_70100-3553-01	French drains.	Online Retention BMP	Completed	2013	23	11	B	5	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-06	FM: 237447 D5_70008-3505-02	Pond 2.	Wet Detention Pond	Completed	2013	9	5	B	3	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-07	FM: 237447 D5_70008-3505-03	Pond 3.	Online Retention BMP	Completed	2013	7	4	B	3	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-08	FM: 237447 D5_70008-3505-04	French drains.	Online Retention BMP	Completed	2013	12	7	B	4	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-09	FM: 237482 D5_70060-3533-01	French drains.	Online Retention BMP	Completed	2013	1	1	B	0	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDOT District 5	N/A	FDOT-10	FM: 237453 D5_70008-3507-01	Pond 1.	Wet Detention Pond	Completed	2013	26	10	B	9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-11	FM: 237453 D5_70008-3507-02	Pond 2.	Wet Detention Pond	Completed	2013	24	7	B	11	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-12	FM: 237712 D5_70060-3519-01	French drains.	Online Retention BMP	Completed	2013	36	9	B	3	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-13	FM: 422691-01 D5_422691-01	French drains.	Online Retention BMP	Completed	2013	15	4	B	1	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-14	Street Sweeping	Street sweeping.	Street Sweeping	Underway	N/A	418	268	B	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-15	Education Efforts	Pamphlets, Illicit Discharge Program.	Education Efforts	Underway	N/A	25	8	B	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-16	Fertilizer Cessation	Street sweeping.	Fertilizer Cessation	Completed	Not provided	1,358	0	B	-	Not provided	Not provided	Florida Legislature	Not provided	N/A
Kennedy Space Center	Not provided	KSC-01	Landscape Fertilizer Reduction	Not provided.	Fertilizer Reduction	Completed	Not provided	1,872	265	A	200	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-02	Citrus Grove Termination Jerome Rd. East	Not provided.	Land Use Change	Completed	2014	0	0	A	49	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-03	Citrus Grove Termination TEL-IV	Not provided.	Land Use Change	Completed	2014	0	0	A	21	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-04	Vertical Processing Facility M7-1469	Not provided.	Land Use Change	Completed	2014	24	9	A	2	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-05	Spacecraft Assembly Encapsulation Facility 2 M7-1210	Not provided.	Land Use Change	Completed	2014	15	5	A	1	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-06	Central Heat Plant M6-595	Not provided.	Land Use Change	Completed	2014	3	1	A	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-07	Utility Shops K6-1246	Not provided.	Land Use Change	Completed	2014	3	1	A	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-08	Fire Station 2 K6-1198	Not provided.	Land Use Change	Completed	2014	5	2	A	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-09	Vehicle Loading Ramp M7-0651	Not provided.	Land Use Change	Completed	2014	0	0	A	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-10	Hypergol Module Storage East M7-1412	Not provided.	Land Use Change	Completed	2014	6	2	A	1	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-11	Hypergol Module Storage West M7-1410	Not provided.	Land Use Change	Completed	2014	8	3	A	1	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-12	Regional Stormwater Management System	Not provided.	Wet Detention Pond	Completed	2014	2,541	1,022	A	593	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-13	Assembly and Refurbishment Facility (ARF) Stormwater System	Not provided.	Online Retention BMP	Completed	2014	320	68	A	55	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-14	Vehicle Assembly Building (VAB) South Wetland Treatment System	Not provided.	Wetland Treatment	Completed	2014	672	330	A	189	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Kennedy Space Center	Not provided	KSC-15	Schwartz Rd. Landfill	Not provided.	100 % Onsite Retention	Completed	2014	1,341	257	A	123	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-16	Closed Basin 4 (Spoil Site – Static Test Rd.)	Not provided.	100 % Onsite Retention	Completed	2014	844	161	A	68	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-17	Impounded Areas	Not provided.	100 % Onsite Retention	Completed	2014	2,444	150	A	1,655	\$62,406	Not provided	Not provided	\$62,406	N/A
Kennedy Space Center	Not provided	KSC-18	Depressional Storage (22nd St. to 28th St.)	Not provided.	100 % Onsite Retention	Completed	2014	4,139	228	A	1,008	\$491,976	Not provided	Not provided	\$491,976	N/A
Kennedy Space Center	Not provided	KSC-19	Depressional Storage (Jerome Rd. to 22nd St.)	Not provided.	100 % Onsite Retention	Completed	2014	4,064	284	A	982	\$477,506	Not provided	Not provided	\$477,506	N/A
Kennedy Space Center	Not provided	KSC-20	Demolition of Facilities M7-1521 and M7-1522	Not provided.	Land Use Change	Completed	2014	7	2	A	1	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-21	Demolition of Facility M6-0339	Not provided.	Land Use Change	Completed	2014	7	2	A	1	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-22	Demolition of Facility M7-0862	Not provided.	Land Use Change	Completed	2015	0	0	A	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-23	Demolition of Facility M7-1012	Not provided.	Land Use Change	Completed	2015	0	0	A	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-24	Demolition of Facility M7-1061	Not provided.	Land Use Change	Completed	2015	15	4	A	1	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-25	Demolition of Facility M7-1112	Not provided.	Land Use Change	Completed	2015	2	1	A	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-26	Demolition of Facility M7-0961	Not provided.	Land Use Change	Completed	2015	16	4	A	1	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-27	Demolition of Facility K7-2468	Not provided.	Land Use Change	Completed	2015	0	0	A	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-28	Cut 13 Dredging	Maintenance dredging.	Muck Removal/ Restoration Dredging	Underway	2017	0	0	A	37	\$14,000,000	Not provided	Not provided	\$14,000,000	N/A
Patrick AFB	Not provided	PAFB-01	Youth Center Bldg. 3656	Added online retention.	Online Retention BMP	Completed	2013	3	1	B	2	Not provided	Not provided	Not provided	Not provided	N/A
Patrick AFB	Not provided	PAFB-02	Building 543 Replace Main Gate	Added online retention.	Online Retention BMP	Completed	2013	0	0	B	0	Not provided	Not provided	Not provided	Not provided	N/A
Patrick AFB	USACE	PAFB-03	Basin 6B No Discharge	No discharge.	100% Onsite Retention	Completed	Not provided	46	13	B	3	Not provided	Not provided	USAF	Not provided	N/A
Patrick AFB	USACE	PAFB-04	Basin 6C No Discharge	No discharge.	100 % Onsite Retention	Completed	Not provided	164	44	B	11	Not provided	Not provided	USAF	Not provided	N/A
Patrick AFB	Not provided	PAFB-05	Education Efforts	In addition to no fertilizer use on base, 212 personnel/ residents received initial stormwater awareness training in monthly newcomers' meetings; additional 347	Enhanced Public Education	Completed	N/A	367	97	B	N/A	Not provided	Not provided	USAF	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				personnel received stormwater awareness using ESOHTN website or in-person training; 204 Illicit Discharge Detection and Elimination (IDDE) informational brochures were distributed to residents, businesses, and base personnel in 2017. Two stormwater-related articles were published for distribution through base newspaper and website in 2017.												
Patrick AFB	Not provided	PAFB-06	Golf Course Pond Stormwater Reuse	Not provided.	Stormwater Reuse	Completed	2013	3,677	970	B	349	\$850,000	Not provided	USAF	\$850,000	N/A
Patrick AFB	Not provided	PAFB-07	Street Sweeping	9.8 tons of debris removed through sweeping of 5,055 mi of streets.	Street Sweeping	Underway	N/A	11	7	B	14,705	Not provided	\$119,000	USAF	Not provided	N/A
Patrick AFB	Not provided	PAFB-08	Demo Air Force Technical Applications Center (AFTEC) Bldg.	Demolition/loss of impervious area.	Land Use Change	Completed	Not provided	Not provided	Not provided	B	Not provided	N/A	N/A	N/A	N/A	N/A
Patrick AFB	Not provided	PAFB-09	Fuel Farm	Not provided.	Baffle Boxes – 2nd Generation	Completed	2016	Not provided	Not provided	B	Not provided	Not provided	Not provided	USAF	Not provided	N/A
Patrick AFB	Not provided	PAFB-10	South Patrick Dr. Baffle Box	Not provided.	Baffle Boxes – 2nd Generation	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Patrick AFB	Not provided	PAFB-11	Canal/Basin Clean Out	170 inlets/pipes/swales/ponds were inspected, and 89 maintenance stormwater systems were performed in 2017.	Online Retention BMP	Completed	2017	71	29	B	N/A	\$134,500	\$134,500	USAF	\$134,500	N/A
Patrick AFB	USACE	PAFB-12	Ponds Without Discharge	Documenting no discharge from existing retention ponds. Subbasins 11A, 18A, and 18B.	Impoundment	Completed	2017	TBD	TBD	B	87	Not provided	Not provided	USAF	Not provided	N/A
Patrick AFB	USACE	PAFB-13	Dry Detention Ponds after 2000	Documenting treatment from existing completed ERP projects that	Dry Detention Pond	Completed	2016	TBD	TBD	B	144	Not provided	Not provided	USAF	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				were not included in PLSM.												
Patrick AFB	USACE	PAFB-14	Golf Course MAPS Install	Install 4 MAPS at golf course within retention ponds.	Floating Islands/MAPS	Underway	2018	TBD	TBD	B	3	Not provided	\$2,000	USAF	Not provided	N/A
Patrick AFB	USACE	PAFB-15	TMDL Monitoring and Data Collection	Collect stormwater and baseflow nutrient concentrations and rainfall data from 5 monitoring stations; collect baseflow and stormwater runoff flow volume data and groundwater elevation data from 6 monitoring stations.	Monitoring/Data Collection	Underway	2018	N/A	N/A	B	N/A	\$1,850,000	\$370,000	USAF	\$1,850,000	N/A
Patrick AFB	FEMA/ Installation Restoration Program (IRP)/ U.S. Air Force Civil Engineer Center (AFCEC)	PAFB-16	Shoreline Stabilization Projects	West of Runway 11/29: 490 LF of riprap, 780 LF of marsh sill barrier (living shoreline) and planting native marsh grasses between existing shoreline and breakwater. Eastern Portion of Landfill No. 5 along Survival Canal: 2,570 LF of riprap, 256 LF of living shoreline, and plantings of native species in upland areas. Western Patrick AFB Shoreline: Patrick AFB Banana River shoreline permit issued, awaiting USACE permit.	Shoreline Stabilization	Underway	2019	TBD	TBD	B	249	\$11,676,000	TBD	USAF/ Air Force Environmental Restoration Account (AFERA)	\$11,676,000	N/A
Patrick AFB	Not provided	PAFB-17	Public Education	Six outreach events were held: Annual Spring Beach Cleanup; Patrick AFB Riverside Cleanup; Earth Day Memorial Tree Planting; Earth Day	Enhanced Public Education	Completed	2017	N/A	N/A	B	N/A	Not provided	N/A	USAF	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Outreach at Base Exchange (BX); Space Wing Family Day; and Patrick AFB Fall Beach Cleanup.												
Patrick AFB	Not provided	PAFB-18	Manatee Cove Marina Entrance Dredging Project	Removed 2,500 cubic yds of sand from Manatee Cove Marina entrance.	Muck Removal/ Restoration Dredging	Completed	2017	TBD	TBD	B	N/A	Not provided	Not provided	USAF	TBD	N/A
Patrick AFB	N/A	PAFB-19	Wetlands as Filters	Jurisdictional wetlands consist of 4 canals directly connected to Banana River totaling 35.7 surface ac.	Natural Wetlands as Filters	Planned	TBD	TBD	TBD	B	TBD	N/A	N/A	USAF	N/A	N/A

IRL – Central IRL (CIRL) BMAP

Background

The CIRL BMAP covers 476,469 acres of the IRL Basin, which lies between Melbourne and Fort Pierce, and extends north-south from the Melbourne Causeway south to the boundary between Indian River County and St. Lucie County.

DEP verified the IRL Basin as impaired because of excessive amounts of TN and TP, as evidenced by a decrease in seagrass distribution and by low DO. In March 2009, DEP adopted the nutrient and DO IRL Basin TMDLs, with a focus on the water quality conditions necessary for seagrass regrowth at the depth limits where seagrass historically grew in the basin, based on a multiyear composite of seagrass coverage. The CIRL BMAP was adopted in February 2013 to implement the TN and TP TMDL.

The CIRL BMAP is one of three separate BMAPs developed for the IRL subbasins because of its large size and hydrologic diversity. The CIRL was further divided into project zones (**Figure C-3**) with boundaries based on the distinct hydrology in different areas of the basin and their corresponding annual residence times. The zones are important because flushing times vary greatly among locations and consequently affect how nutrient reductions will impact these distinct areas. The project zones identify large areas where projects should be implemented to ensure that the load reductions achieve the desired response for each subbasin. The three project zones are as follows:

- **Central A** – Melbourne Causeway (US Hwy. 192) to the north tip of Grant Farm Island.
- **Central SEB** – Grant Farm Island to Wabasso Causeway (CR 510).
- **Central B** – Wabasso Causeway to the boundary between Indian River County and St. Lucie County.

This BMAP also encompasses a portion of the South IRL Subbasin extending to Fort Pierce Inlet and including the drainage areas for the Fort Pierce Farms Canal and C-25 Canal. Any projects provided by stakeholders in the South IRL are not a BMAP requirement, and the project schedule does not represent a compliance plan.

Status of Projects

Through December 31, 2017, 242 projects were completed. An additional 51 projects that are underway or planned were added to the BMAP. Allocations are currently being developed for the CIRL BMAP, and nutrient reductions associated with projects will be calculated to align with the allocation methodology. Once this is complete, future reports will contain information about TN and TP reductions in the CIRL BMAP.

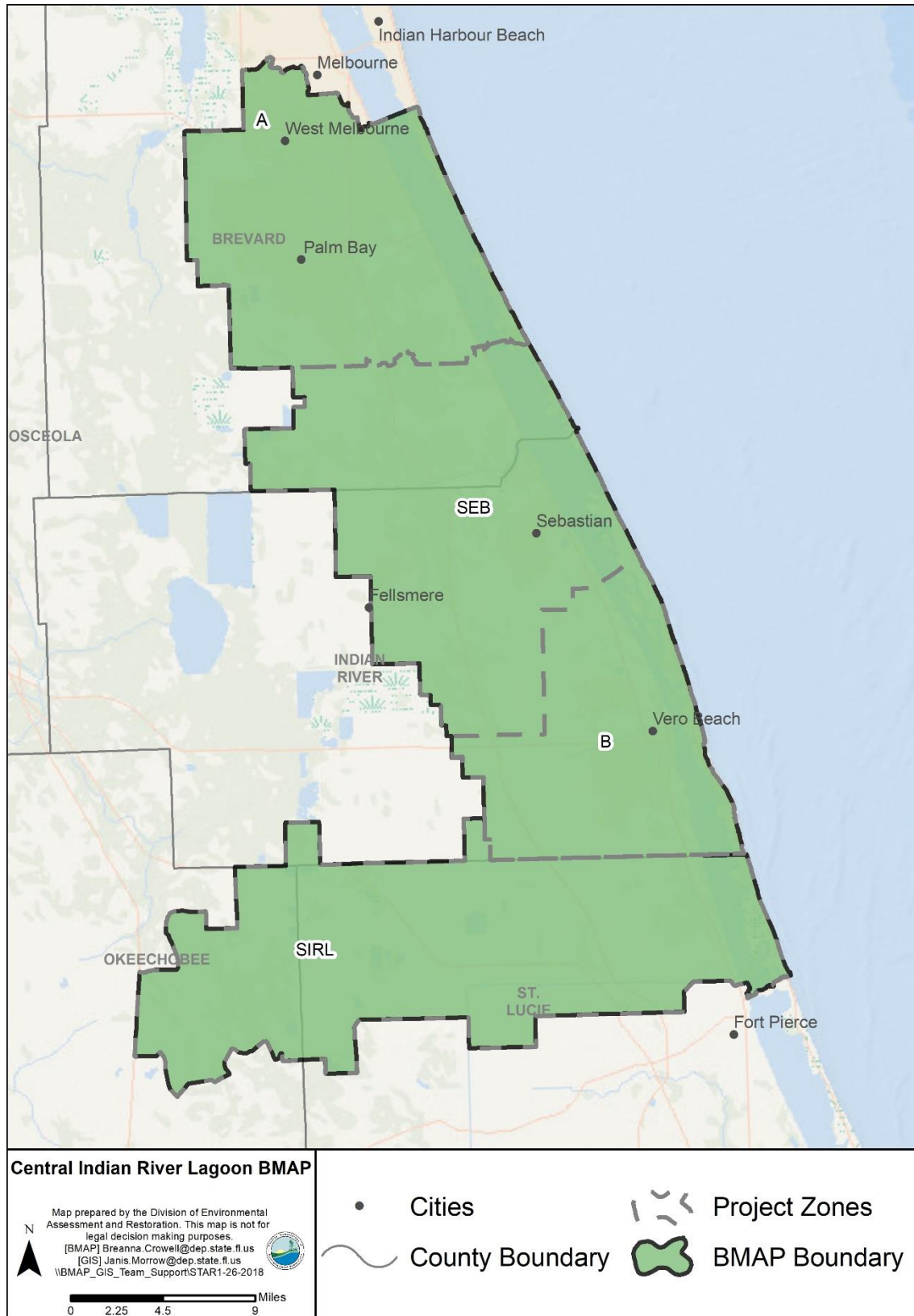


Figure C-7. CIRL BMAP area

Table C-3. CIRL BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Brevard County	N/A	BC-01	Tadlock and Goat Creek Baffle Box	Upgraded 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Boxes – 2nd Generation	Completed	2000	1.0	0.4	A	22.10	\$43,811	Not provided	Not provided	Not provided	Not provided
Brevard County	N/A	BC-02	Oak St. Drainage Improvements	Swale and baffle box.	BMP Treatment Train	Completed	2003	1.0	0.2	A	0.30	\$660,285	Not provided	Not provided	Not provided	Not provided
Brevard County	N/A	BC-03	Melbourne Shores Ponds	Pond helps alleviate flooding in south beaches and cleans stormwater runoff from 135.9-ac drainage basin.	Wet Detention Pond	Completed	2004	156.0	48.4	A	135.90	\$939,543	Not provided	County	Not provided	N/A
Brevard County	N/A	BC-04	Church Street Pond Clean Out	Removed vegetation from pond.	BMP Clean Out	Completed	2014	137.0	25.5	SEB	172.00	Not provided	Not provided	County	Not provided	N/A
Brevard County	N/A	BC-05	Education Efforts	FYN, fertilizer and pet waste ordinances, PSAs, pamphlets, website, Illicit Discharge Program.	Education Efforts	Underway	N/A	N/A	N/A	Countywide	N/A	\$90,000	N/A	County	N/A	N/A
Brevard County	N/A	BC-06	Street Sweeping	Remove debris from 786 LFof curb street throughout county.	Street Sweeping	Underway	N/A	113.0	72.0	A and SEB	N/A	N/A	\$147,076	Not provided	Not provided	Not provided
Brevard County	DEP	BC-07	Valkaria Lakes	Converted borrow pits into detention ponds for stormwater treatment.	Wet Detention Pond	Completed	2014	700.0	166.1	A	457.70	\$261,000	Not provided	DEP/ County	Not provided	G0249
Brevard County	DEP	BC-08	Wheeler Properties (Sebastian River Improvements)	Wet detention pond and wetland enhancement.	Wet Detention Pond	Completed	2012	28,760.0	9,259.6	SEB	16,403.50	\$3,500,000	\$2,000	DEP	Not provided	S0436/G0390
Brevard County	DEP	BC-09	Micco I	Exfiltration and denitrification.	BMP Treatment Train	Completed	2016	157.0	11.8	SEB	52.00	\$175,599	\$1,000	DEP	Not provided	G0358
Brevard County	N/A	BC-10	Micco B	Not provided.	Dry Detention Pond	Canceled	N/A	N/A	N/A	SEB	N/A	N/A	N/A	N/A	N/A	N/A
Brevard County	DEP	BC-11	Mockingbird Pond	Installation of floating vegetated island in existing stormwater retention pond to provide additional nutrient removal.	Floating Islands/ MAPS	Completed	2017	27.0	3.3	SEB	26.70	\$10,923	\$2,385	DEP	Not provided	G0430

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Brevard County	N/A	BC-12	Church Street Pond MAPS	Installation of floating vegetated island in existing stormwater retention pond to provide additional nutrient removal.	Floating Islands/ MAPS	Completed	2010	217.0	37.1	SEB	172.10	\$4,212	\$2,106	Not provided	Not provided	N/A
Brevard County	DEP	BC-13	Wheeler Flemming Grant	Construction of wet detention pond to help remove nitrogen and phosphorus from stormwater adjacent to Fleming Grant Rd. in southeastern Brevard County.	Wet Detention Pond	Completed	2016	745.0	316.5	SEB	134.40	\$645,073	\$2,000	DEP	Not provided	G0396
Brevard County	N/A	BC-14	Fountainhead	982,300 lbs of vegetation removed using 113 dump trucks.	Aquatic Vegetation Harvesting	Completed	2013	890.0	273.1	A	Not provided	\$39,274	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-15	Corey Rd. at Hall	Upgraded 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – 2nd Generation	Completed	2015	36.0	2.8	A	51.80	\$12,507	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-16	430 Riverview	Upgraded 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box Box – 2nd Generation	Completed	2015	7.0	0.7	A	7.55	\$30,508	Not provided	DEP	Not provided	S0648
Brevard County	SJRWMD	BC-17	C-1 Rediversion	Project is designed to help restore natural drainage flow from west side of Palm Bay back to St. Johns River.	Hydrologic Restoration	Completed	2015	35,565.0	2,038.0	A	Not provided	\$531,051	Not provided	SJRWMD	Not provided	S0652
Brevard County	N/A	BC-18	Baffle Box/ Sediment Trap Cleaning	Increasing clean-out frequency to quarterly.	BMP Clean Out	Completed	Not provided	1.0	1.0	A	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-19	Turkey Creek Dredging	230,000 cubic yds of material collected.	Muck Removal/ Restoration Dredging	Completed	2017	Not provided	Not provided	A	N/A	\$20,000,000	Not provided	DEP	Not provided	S0714
Brevard County	DEP	BC-20	Multiple Ditch Outfall Denitrification D3	Providing baseflow/ groundwater treatment in 20	Denitrification Walls	Planned	TBD	TBD	TBD	A and SEB	TBD	\$1,182,858	TBD	DEP	TBD	LP0511A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				open drainage basins.												
Brevard County	N/A	BC-21	Kingsmill Aurora Phase II	Construction of 5-ac pond with weirs, drop structures, etc.	Wet Detention Pond	Underway	2018	6,264.0	814.0	A and SEB	1,212.80	\$990,000	TBD	TBD	TBD	N/A
City of Fellsmere	N/A	F-01	State St. Improvements and Stormwater Lake Project	Not provided.	Wet Detention Pond	Completed	Not provided	71.5	19.9	SEB	49.60	Not provided	Not provided	Not provided	Not provided	N/A
City of Fellsmere	N/A	F-02	Senior League Field Park Improvements	Not provided.	Wet Detention Pond	Completed	2008	1.0	0.1	SEB	11.50	Not provided	Not provided	Not provided	Not provided	N/A
City of Fellsmere	N/A	F-03	City Hall/Orange St. Project	Not provided.	Wet Detention Pond	Planned	TBD	TBD	TBD	SEB	7.60	TBD	TBD	TBD	TBD	N/A
City of Fellsmere	N/A	F-04	Sunrise Apartments Phase 1 and 2	Not provided.	Wet Detention Pond	Completed	2009	18.0	7.4	SEB	36.20	Not provided	Not provided	Not provided	Not provided	N/A
City of Fellsmere	N/A	F-05	Grace Meadows Subdivision	Not provided.	Wet Detention Pond	Completed	2009	4.5	1.5	SEB	18.30	Not provided	Not provided	Not provided	Not provided	N/A
City of Fellsmere	N/A	F-07	Solid Waste Transfer Station	Not provided.	Wet Detention Pond	Completed	2008	1.0	0.3	SEB	5.10	Not provided	Not provided	Not provided	Not provided	N/A
City of Fellsmere	N/A	F-08	Fertilizer Ordinance	Ordinance.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	SEB	N/A	N/A	N/A	N/A	N/A	N/A
City of Fellsmere	SJRWMD/ Property Owner	F-09	North Regional Lake	Not provided.	Wet Detention Pond	Completed	Not provided	TBD	TBD	SEB	22.00	\$615,000	\$10,000	SJRWMD	\$500,000	N/A
City of Fellsmere	SJRWMD/ Property Owner	F-10	South Regional Lake	Created wetland flow through system.	BMP Treatment Train	Planned	2016	TBD	TBD	SEB	450.00	\$787,187	\$5,000	SJRWMD	\$500,000	N/A
City of Fellsmere	N/A	F-11	Alleyway Grading	Convert alleyway system into stormwater treatment system.	Grass Swales with Swale Blocks or Raised Culverts	Planned	TBD	TBD	TBD	SEB	640	\$1,260,000	\$20,000	City/ Grants	TBD	N/A
City of Fellsmere	N/A	F-12	Stormwater Greenway	Convert unused rights-of-way into stormwater greenways.	Bioswales	Planned	TBD	TBD	TBD	SEB	220	\$1,750,000	\$30,000	City/ Grants	TBD	N/A
City of Fellsmere	N/A	F-13	Additional Regional Treatment	Lake or treatment train system (additional 40 ac required).	Wet Detention Ponds	Planned	TBD	TBD	TBD	SEB	220	\$2,080,000	\$50,000	City/ Grants	TBD	N/A
City of Fellsmere	N/A	F-14	Road culverts, stormwater conveyance, paving	Reconstruct road culverts, stormwater conveyance, paving.	Grass Swales with Swale Blocks or Raised Culverts	Planned	TBD	TBD	TBD	SEB	TBD	\$13,000,000	TBD	City/ Grants	TBD	N/A
City of Fellsmere	N/A	F-15	Microsystem Basins	Construct microsystem basins for	BMP Treatment Train	Planned	TBD	TBD	TBD	SEB	TBD	\$1,000,000	TBD	City/ Grants	TBD	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				stormwater treatment.												
City of Fellsmere	N/A	F-16	Stormwater Data Inventory	Develop stormwater data inventory system.	Study	Planned	TBD	TBD	TBD	SEB	TBD	\$200,000	TBD	City/ Grants	TBD	N/A
City of Fort Pierce	N/A	FP-05	Street Sweeping	6,599 cubic yds of material.	Street Sweeping	Underway	N/A	TBD	TBD	SIRL	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Fort Pierce	N/A	FP-07	Education Efforts	Stormwater education shows, pamphlets, presentations, storm drain stenciling, Illicit Discharge Program, and adopted fertilizer ordinance.	Education Efforts	Underway	N/A	TBD	TBD	SIRL	N/A	N/A	N/A	N/A	N/A	N/A
City of Melbourne	N/A	MEL-01	Fee and Apollo Drainage Improvements	No treatment is provided within existing development; water quality addition.	Wet Detention Pond	Completed	2011	37.0	92.4	A	77.00	\$525,161	Not provided	City	\$525,161	N/A
City of Melbourne	N/A	MEL-02	Education Efforts	Irrigation, fertilizer, pet waste management, and landscaping ordinances; pamphlets, presentations, website, Illicit Discharge Program.	Education Efforts	Underway	N/A	N/A	N/A	A	N/A	Not provided	Not provided	City	Not provided	N/A
City of Melbourne	N/A	MEL-03	Street Sweeping	Street sweeping in basin and debris removal.	Street Sweeping	Underway	N/A	TBD	TBD	A	N/A	Not provided	Not provided	City	Not provided	N/A
City of Melbourne	N/A	MEL-04	Participation in FYN	Participation in FYN Program.	Education Efforts	Underway	N/A	N/A	N/A	A	N/A	N/A	N/A	N/A	N/A	N/A
City of Melbourne	N/A	MEL-05	South Croton Baffle Box	Dry retention and baffle box.	BMP Treatment Train	Canceled	N/A	N/A	N/A	A	N/A	N/A	N/A	N/A	N/A	N/A
City of Melbourne	N/A	MEL-06	Southwest Park Improvements near Florida Ave.	Installation of baffle box along with pipe replacement.	Baffle Boxes – 2nd Generation with Media	Completed	2017	66.0	8.0	A	48.00	\$582,153	Not provided	City	\$582,153	N/A
City of Melbourne	N/A	MEL-07	Melbourne Ave. Existing Baffle Box Upgrade	Upgrade existing 1st-generation baffle boxes to 2nd-generation baffle boxes with BAM.	Baffle Boxes – 2nd Generation with Media	Completed	2016	36.8	7.7	A	12.90	\$12,000	Not provided	City	\$12,000	N/A

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City of Melbourne	SOIRL	MEL-08	Penwood Septic to Sewer Conversion	Providing for 12 lots (4 existing and 8 proposed) to be converted to municipal sewer.	Wastewater Service Area Expansion	Planned	TBD	TBD	TBD	A	TBD	\$60,000	TBD	City/SOIRL	\$40,632	N/A
City of Melbourne	SOIRL	MEL-09	Riverview Park Living Shoreline	Construction of living shoreline with oyster breakwater.	Creating/Enhancing Living Shoreline	Planned	TBD	TBD	TBD	A	TBD	\$440,000	TBD	City/SOIRL	\$108,790	N/A
City of Melbourne	SOIRL	MEL-10	Hoag Septic to Sewer Conversion	Providing for 12 lots (7 existing and 5 proposed) to be converted to municipal sewer.	Wastewater Service Area Expansion	Planned	TBD	TBD	TBD	A	TBD	\$105,000	TBD	City/SOIRL	\$86,031	N/A
City of Melbourne	SOIRL	MEL-11	Grant Pl. Baffle Box	2nd-generation baffle box with BAM.	2nd-Generation Baffle Box with BAM	Planned	2019	TBD	TBD	A	103	\$400,000	TBD	City/SOIRL	\$82,481	N/A
City of Melbourne	SOIRL	MEL-12	Roxy Septic to Sewer Conversion	Five lots with septic systems to be converted to municipal sewer.	Wastewater Service Area Expansion	Planned	2018	TBD	TBD	A	TBD	\$265,000	TBD	City/SOIRL	\$88,944	N/A
City of Palm Bay	N/A	PB-01	Basin 11	Not provided.	Muck Removal /Restoration Dredging	Completed	2009	Not provided	Not provided	A	Not provided	\$1,866,695	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-02	Chace Lane Pond Modifications	Not provided.	Dry Detention Pond	Completed	2001	62.0	8.3	A	91.19	\$20,290	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-03	Glenham Dr. Sidewalks Improvements	Not provided.	Dry Detention Pond	Completed	2014	9.0	1.4	A	12.20	Not provided	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-04	Basin 7 Stormwater Improvements Phase II	Not provided.	Wet Detention Pond	Completed	2009	387.0	124.0	A	146.50	\$79,109	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-05	Boundary Canal Trail Phase 3	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2014	16.0	11.2	A	365.90	Not provided	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-06	Boundary Canal Phase II Stormwater Improvement	Not provided.	Online Retention BMPs	Completed	2014	Not provided	Not provided	A	632.70	Not provided	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-07	Boundary Canal Phase I Baffle Box Installation	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2014	10.0	4.8	A	632.70	Not provided	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-08	Norwood Street Baffle Box Installation	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2014	26.0	22.6	A	528.80	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Palm Bay	N/A	PB-09	Basin 1 Drainage Improvements Phase 1 (east of US Hwy. 1)	Not provided.	Wet Detention Pond	Completed	2007	33.0	5.9	A	136.5	\$22,247	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-10	Basin 13 Stormwater Improvements	Not provided.	Wet Detention Pond	Completed	2006	65.0	12.2	A	42.38	\$200,419	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-11	Powell's Subdivision Paving and Drainage Improvements	Not provided.	Wet Detention Pond	Completed	2000	124.0	53.9	A	123.56	\$147,478	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-12	Port Malabar Unit 40 Drainage Improvements North	Not provided.	Wet Detention Pond	Completed	2015	468.0	109.6	A	224.33	\$23,778	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-13	Mandarin Ditch (South)	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2006	285.0	39.6	A	73.04	\$308,797	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-14	Basin 3 Main St. Parking Lot	Not provided.	Pervious Pavement	Completed	2008	TBD	TBD	A	346.05	\$4,845	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-15	Basin 3 Main St. Improvements Channel Alignment	Not provided.	Other Structural BMP	Completed	2010	1,475.0	192.8	A	358.60	\$403,561	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-16	Street Sweeping	Not provided.	Street Sweeping	Underway	N/A	57.0	36.0	A	N/A	\$8,900	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-17	Turkey Creek Maintenance Dredging	Not provided.	Muck Removal/ Restoration Dredging	Completed	2007	Not provided	Not provided	A	Not provided	\$255,241	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-18	Turkey Creek Maintenance Dredging – Sump	Not provided.	Muck Removal/ Restoration Dredging	Completed	2014	Not provided	Not provided	A	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-19	Anglers Dr.	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2008	0.5	0.3	A	12.12	\$85,000	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-20	Worth Court	Not provided.	Catch Basin Inserts/Inlet Filter Clean Out	Completed	2014	0.1	0.1	A	5.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Palm Bay	SJRWMD/ DEP	PB-21	Basin 9 (Harris Pond)	Not provided.	Wet Detention Pond	Completed	2010	Not provided	Not provided	A	442.52	\$294,519	Not provided	SJRWMD/ DEP	Not provided	Not provided
City of Palm Bay	N/A	PB-22	Wild Rose BMP	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2014	Not provided	Not provided	A	4.59	Not provided	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-24	Port Malabar Inlet Inserts	Not provided.	Catch Basin Inserts/Inlet Filter Clean Out	Completed	2010	Not provided	Not provided	A	29.25	\$19,518	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-25	Kent Street Baffle Box	Not provided.	Baffle Boxes –	Completed	2009	1.0	3.4	A	20.77	\$50,000	Not provided	Not provided	Not provided	N/A

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					1st Generation (hydrodynamic separator)											
City of Palm Bay	N/A	PB-26	PMU1 North (Florin Pond)	Not provided.	Dry Detention Pond	Completed	2000	26.0	5.9	A	25.86	\$150,000	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-27	Education Efforts	FYN, ordinances, pamphlets, PSAs, website, Illicit Discharge Program.	Education Efforts	Underway	N/A	N/A	N/A	A	N/A	\$1,866,695	N/A	N/A	N/A	N/A
City of Palm Bay	N/A	PB-28	Vance Cir. – Drainage Improvements	Not provided.	Catch Basin Inserts/Inlet Filter Cleanout	Canceled	N/A	N/A	N/A	A	N/A	N/A	N/A	N/A	N/A	N/A
City of Palm Bay	DEP	PB-29	Basin 1 Drainage Improvements Phase 1	Baffle box, modular wetlands, and upward filter.	BMP Treatment Train	Completed	2017	Not provided	Not provided	A	175.0	\$250,000	Not provided	DEP	\$250,000	S0876
City of Palm Bay	N/A	PB-30	Troutman/ Clearmond Drainage Pond	Roadway widening from rural to urban section with underground drainage.	Dry Detention Pond	Completed	2014	Not provided	Not provided	A	7.9	\$5,400,000	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-31	Port Malabar Drainage Improvements Central	Modification of existing drainage system redesigned to promote infiltration of stormwater runoff. System has perforated piping, baffles, and infiltration trenches to encourage percolation.	Other Structural BMP	Completed	2013	Not provided	Not provided	A	11.8	Not provided	Not provided	Not provided	Not provided	N/A
City of Palm Bay	N/A	PB-32	Kingswood Drainage Pond	Modification and expansion of existing drainage pond to provide additional stormwater capacity, attenuation, and treatment.	Dry Detention Pond	Completed	2015	Not provided	Not provided	A	62.4	Not provided	Not provided	Not provided	Not provided	N/A
City of Palm Bay	DEP	PB-33	Basin 3 Bayfront Community SW Improvements (Koske Pond Phase 1)	Baffle box, modular wetlands, and upward filter.	BMP Treatment Train	Completed	2017	Not provided	Not provided	A	Not provided	\$500,000	Not provided	DEP	\$500,000	S0801

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Palm Bay	SJRWMD/DEP	PB-34	Stormwater Treatment at City Marina	Baffle box, modular wetlands, and upward filter.	BMP Treatment Train	Planned	TBD	TBD	TBD	A	TBD	\$400,000 \$490,050 (33 %)	TBD	SJRWMD/DEP	TBD	LP05073/ 28751
City of Palm Bay	N/A	PB-35	Education Efforts	FYN, ordinances, pamphlets, PSAs, website, Illicit Discharge Program.	Education Efforts	Underway	N/A	N/A	N/A	A	N/A	N/A	N/A	N/A	N/A	N/A
City of Palm Bay	N/A	PB-37	Norwood Baffle Box Retrofit	N/A	Baffle Box	Canceled	N/A	N/A	N/A	A	N/A	N/A	N/A	N/A	N/A	N/A
City of Palm Bay	N/A	PB-38	Victoria Pond	N/A	Baffle Box	Canceled	N/A	N/A	N/A	A	N/A	N/A	N/A	N/A	N/A	N/A
City of Palm Bay	N/A	PB-39	Goode Park	N/A	Baffle Box	Canceled	N/A	N/A	N/A	A	N/A	N/A	N/A	N/A	N/A	N/A
City of Palm Bay	N/A	PB-40	Florin Pond	N/A	Baffle Box	Canceled	N/A	N/A	N/A	A	N/A	N/A	N/A	N/A	N/A	N/A
City of Palm Bay	N/A	PB-41	Turkey Creek Shoreline Restoration	Bayfront shoreline restoration to place fill addressing hurricane erosion damage from 2016 and 2017.	Shoreline Stabilization	Planned	TBD	TBD	TBD	A	TBD	\$180,000	TBD	DEO	DEO – \$177,300 City – \$2,700	N/A
City of Palm Bay	N/A	PB-42	Unit 48 Drainage Improvements – Emerson	Expansion of wet detention system and adjustment of control structures.	Wet Detention Pond	Planned	2019	TBD	TBD	A	TBD	TBD	TBD	City	TBD	N/A
City of Palm Bay	Brevard County/ Brevard Zoo	PB-43	Bayfront/Palm Bay Living Shoreline at Turkey Creek	Installation of oyster mats and plantings to uptake nutrients from sheetflow.	Creating/Enhancing Living Shoreline	Planned	2019	TBD	TBD	A	TBD	\$113,000	TBD	Brevard County	\$113,000	N/A
City of Palm Bay	N/A	PB-44	Basin 3 Bayfront Community SW Improvements (Koske Pond Phases 2 and 3)	Expansion of wet pond.	Wet Detention Pond	Planned	2019	TBD	TBD	A	TBD	TBD	\$200	TBD	TBD	N/A
City of Palm Bay	N/A	PB-45	Basin 1 Drainage Improvements Phase 2B Victoria Pond (west of US 1)	Baffle box and upflow filter.	BMP Treatment Train	Planned	2019	TBD	TBD	A	175	TBD	TBD	TBD	TBD	N/A
City of Sebastian	N/A	SEB-01	Main Street/ Indian River Dr. Improvements	Not provided.	Dry Detention Pond	Completed	2009	68.0	17.9	SEB	5.60	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-02	Main Street 4	Not provided.	Dry Detention Pond	Planned	TBD	TBD	TBD	SEB	TBD	TBD	TBD	TBD	TBD	N/A
City of Sebastian	N/A	SEB-03	T-Hangar Development/ Access Roads	Not provided.	Dry Detention Pond	Completed	2004	1.0	0.1	SEB	2.20	Not provided	Not provided	Not provided	Not provided	N/A

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City of Sebastian	N/A	SEB-04	Louisiana Ave. Improvements Projects	Not provided.	Dry Detention Pond	Completed	2004	0.0	0.1	SEB	2.60	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-05	Twin Ditches Stormwater Retrofit	Not provided.	Wet Detention Pond	Completed	2007	209.0	105.5	SEB	176.60	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-06	Indian River Dr. and Davis St. Baffle Box	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2009	1.0	0.8	SEB	21.80	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	DEP	SEB-07	Periwinkle Dr. Stormwater	Not provided.	Wet Detention Pond	Completed	2008	4.0	0.7	SEB	47.50	Not provided	Not provided	DEP	Not provided	G0200
City of Sebastian	DEP	SEB-08	Collier Canal Stormwater Retrofit	Not provided.	Wet Detention Pond	Completed	2010	1,529.0	387.8	SEB	531.60	Not provided	Not provided	DEP	Not provided	G0235
City of Sebastian	N/A	SEB-09	Schumann Park Improvements	Not provided.	Dry Detention Pond	Completed	2009	1.0	0.1	SEB	4.10	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-10	Fertilizer Ordinance	Ordinance.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	SEB	N/A	N/A	N/A	N/A	Not provided	N/A
City of Sebastian	N/A	SEB-11	Airport Dr.	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Canceled	N/A	N/A	N/A	SEB	N/A	N/A	N/A	N/A	N/A	N/A
City of Sebastian	N/A	SEB-12	Presidential St.	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	Not provided.	Not provided.	Not provided.	SEB	15.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-13	Powerline Rd.	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2014	Not provided.	Not provided.	SEB	2.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-14	Septic Tank Effluent Pumping (STEP) Septic System	Not provided.	OSTDS Enhancement	Canceled	N/A	N/A	N/A	SEB	N/A	N/A	N/A	N/A	N/A	N/A
City of Sebastian	N/A	SEB-15	Collier Canal Dredge	Not provided.	Muck Removal/ Restoration Dredging	Completed	2009	Not provided.	Not provided.	SEB	22.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-16	Stormwater Park	Not provided.	Wet Detention Pond	Completed	2010	Not provided.	Not provided.	SEB	162.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-17	Presidential Street	Not provided.	Filter Baffle Boxes	Completed	2012	Not provided.	Not provided.	SEB	24.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-18	Water Quality Testing	Not provided.	Monitoring/ Data Collection	Completed	2016	Not provided.	Not provided.	SEB	24.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-19	Drainage Improvements	Not provided.	BMP Treatment Train	Completed	2016	Not provided.	Not provided.	SEB	0.73	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-20	Tulip Drainage	Not provided.	Online Retention BMPs	Completed	2016	Not provided.	Not provided.	SEB	3.51	Not provided	Not provided	Not provided	Not provided	N/A
City of Sebastian	N/A	SEB-21	Septic to Sewer	13 septic systems converted to central sewer.	Wastewater Service Area Expansion	Underway	TBD	TBD	TBD	SEB	TBD	Not provided	Not provided	Not provided	Not provided	N/A

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City of Sebastian	N/A	SEB-22	Oyster Point Baffle Box	Baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Planned	TBD	TBD	TBD	SEB	TBD	TBD	TBD	TBD	TBD	N/A
City of Sebastian	Council	SEB-23	Oyster Promulgation Project	Install oyster reef.	Creating/ Enhancing Oyster Reefs	Planned	2018	TBD	TBD	SEB	TBD	TBD	TBD	IRL Council	TBD	N/A
City of Vero Beach	DEP	VB-01	Date Palm Baffle Box	Suntree baffle box with Bold and Gold™ media.	Baffle Boxes – 2nd Generation	Completed	2017	9.0	1.0	B	6.70	\$186,396	\$1,000	DEP	Not provided	G0242
City of Vero Beach	N/A	VB-02	10th and 12th Ave. Baffle Boxes	Includes ESI Ecovault® with debris collection screen and baffle.	Baffle Boxes – 2nd Generation	Completed	2011	127.0	17.5	B	69.90	\$97,800	\$1,000	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-03	Greytwig Baffle Box	Includes ESI Ecovault® with debris collection screen and baffle.	Baffle Boxes – 2nd Generation	Completed	2011	21.0	2.4	B	9.80	\$75,000	\$1,000	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-04	Fertilizer Ordinance	Ordinance.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	B	N/A	N/A	N/A	N/A	N/A	N/A
City of Vero Beach	N/A	VB-05	STEP Septic System	Not provided.	OSTDS Enhancement	Underway	Not provided.	Not provided.	Not provided.	B	Not provided.	\$500,000	Not provided	Not provided	Not provided	N/A
City of Vero Beach	DEP	VB-06	18th St. Outfall	Not provided.	Baffle Boxes – 2nd Generation	Completed	2013	Not provided.	Not provided.	B	131.1	Not provided	Not provided	DEP	Not provided	G0356
City of Vero Beach	DEP	VB-07	Humiston Park Outfall	Not provided.	Exfiltration Trench	Completed	2010	Not provided.	Not provided.	B	39.8	Not provided	Not provided	DEP	Not provided	G0228
City of Vero Beach	N/A	VB-08	Bahia Mar Rd. Outfall	Not provided.	Baffle Boxes – 2nd Generation	Completed	2012	Not provided.	Not provided.	B	13.3	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-09	Bay Dr. Bridge	Not provided.	Baffle Boxes – 2nd Generation	Completed	2010	Not provided.	Not provided.	B	1.9	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-10	Indian Bay North and South	Not provided.	Baffle Boxes – 2nd Generation	Completed	2012	Not provided.	Not provided.	B	20.1	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-11	Live Oak Outfall	Not provided.	Baffle Boxes – 2nd Generation	Completed	2011	Not provided.	Not provided.	B	11.7	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-12	Indian River Dr. E at Conn Way	Not provided.	Baffle Boxes – 2nd Generation	Completed	2012	Not provided.	Not provided.	B	68.5	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-13	River Dr. Bridge	Not provided.	Baffle Boxes – 2nd Generation	Completed	2010	Not provided.	Not provided.	B	60.8	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-14	Lantana Lane	Not provided.	Pervious Pavement	Completed	2014	Not provided.	Not provided.	B	38.4	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-15	Royal Palm Pointe	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2001	Not provided.	Not provided.	B	Not provided.	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-16	Deep Injection Well	Not provided.	Deep Injection Well	Completed	2010	Not provided.	Not provided.	B	Not provided.	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-17	Street Sweeping	Not provided.	Street Sweeping	Underway	N/A	683.0	430.0	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A

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City of Vero Beach	N/A	VB-18	Country Club Dr. Outfall	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	Not provided.	Not provided.	Not provided.	B	20.1	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-19	Mockingbird Dr. / Iris Lane	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	Not provided.	Not provided.	Not provided.	B	68.5	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-20	Vero Isles Inlet Retrofits	Not provided.	Pervious Pavement	Underway	Not provided.	Not provided.	Not provided.	B	51.21	Not provided	Not provided	Not provided	Not provided	N/A
City of Vero Beach	N/A	VB-21	McAnsh Park Inlet Retrofits	Not provided.	Pervious Pavement	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Vero Beach	N/A	VB-22	Original Town Inlet Retrofits	Not provided.	Pervious Pavement	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Vero Beach	N/A	VB-23	BMP Maintenance	Not provided.	Catch Basin Inserts/ Inlet Filter Clean Out	Completed	Not provided.	190.0	114.0	B	Not provided.	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-01	Westbrooke	Not provided.	Wet Detention Pond	Completed	2004	41.0	4.3	A	169.00	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-02	Saddlebrook	Not provided.	Wet Detention Pond	Completed	2004	1.0	0.2	A	40.20	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-03	Stratford Point	Not provided.	Wet Detention Pond	Completed	2004	25.0	3.1	A	83.70	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-04	Oak Grove	Not provided.	Wet Detention Pond	Completed	2010	22.0	2.2	A	91.40	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-05	Manchester Lakes	Not provided.	Wet Detention Pond	Completed	2007	16.0	1.1	A	133.30	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-06	Havens at Riviera	Not provided.	Wet Detention Pond	Completed	2009	6.0	0.6	A	22.90	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-07	Cypress/Creek Imagine Schools	Not provided.	Wet Detention Pond	Completed	2009	15.0	1.7	A	72.00	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-08	Lynnwood	Not provided.	Wet Detention Pond	Completed	2006	2.0	0.6	A	28.30	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-09	Coastal Commerce	Not provided.	Wet Detention Pond	Completed	2009	18.0	2.7	A	59.90	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-10	Hammock Landing	Not provided.	Wet Detention Pond	Completed	2009	11.0	0.8	A	76.10	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-11	Crystal Lakes	Not provided.	Wet Detention Pond	Completed	2009	17.0	6.4	A	91.00	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-12	Orange View Dr.	Not provided.	Baffle Boxes – 2nd Generation	Completed	2014	69.0	8.0	A	49.10	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-13	Stephenson Dr.	Not provided.	Baffle Boxes – 2nd Generation	Completed	2014	21.0	2.6	A	14.10	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-14	Parker Rd.	Not provided.	Baffle Boxes – 2nd Generation	Completed	2014	17.0	1.9	A	13.10	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-15	Laila Dr.	Not provided.	Baffle Boxes – 2nd Generation	Completed	2014	31.0	3.5	A	21.90	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-16	Doherty Dr.	Not provided.	Baffle Boxes – 2nd Generation	Completed	2014	107.0	16.5	A	66.00	Not provided	Not provided	Not provided	Not provided	N/A

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City of West Melbourne	N/A	WM-17	Trend Rd.	Not provided.	Baffle Boxes – 2nd Generation	Completed	2014	12.0	1.4	A	8.80	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-18	San Paolo	Not provided.	Baffle Boxes – 2nd Generation	Completed	2014	8.0	1.5	A	2.70	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-19	San Paolo West	Not provided.	Baffle Boxes – 2nd Generation	Completed	2014	24.0	4.8	A	7.70	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-20	John Carrol	Not provided.	Baffle Boxes – 2nd Generation	Completed	2014	109.0	12.3	A	74.90	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-21	Street Sweeping	Not provided.	Street Sweeping	Underway	N/A	316.2	216.0	A	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-22	Inlet Cleaning	Not provided.	BMP Clean Out	Completed	Not provided	20.5	2.4	A	Not provided.	Not provided	Not provided	Not provided	Not provided	N/A
City of West Melbourne	N/A	WM-23	Sawgrass Lakes Phase I	Not provided.	Wet Detention Pond	Completed	2015	Not provided	Not provided	A	508.44	Not provided	Not provided	Private	Not provided	N/A
City of West Melbourne	N/A	WM-24	Manchester Lakes	Not provided.	Wet Detention Pond	Completed	2016	Not provided	Not provided	A	133.02	Not provided	Not provided	Private	Not provided	N/A
FDOT District 4	N/A	FDOT4-01	FM # 228595-1 (Basin 4B)	Widening SR 60 between SR 9 and SR 91	Wet Detention Pond	Completed	2007	83.0	30.3	SEB	57.60	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-02	FM # 228620-1	Resurfacing SR 60 and SR A1A intersection	100 % Onsite Retention	Completed	2005	24.0	3.4	SEB	2.20	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-03	FM # 228615-1	Resurfacing SR 5 between CR 510 to just south of Harrison St.	Baffle Boxes – 2nd Generation	Completed	2007	117.0	33.2	B	59.80	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-04	FDOT4 Street Sweeping	Materials from roadway and gutter sweeping.	Street Sweeping	Underway	N/A	237.0	151.8	B and SEB	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-05	FM # 228583-5 (Pond 1)	Widening SR 5 from just south of Oslo Rd. to South Relief Canal	Wet Detention Pond	Completed	2010	65.0	41.6	B	22.40	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-06	FM # 228583-5 (Pond 2)	Widening SR 5 from just south of Oslo Rd. to South Relief Canal	Wet Detention Pond	Completed	2010	25.0	15.8	B	11.90	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-07	FM # 228627-1 (Pond 1)	Widening SR 60 between 82nd Ave. to 66th Ave.	Wet Detention Pond	Completed	2010	83.0	51.7	B	28.90	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-08	FM # 228627-1 (Pond 2)	Widening SR 60 between 82nd Ave. to 66th Ave.	Wet Detention Pond	Completed	2010	61.0	38.6	B	21.60	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-09	Education Efforts	Pamphlets and Illicit Discharge Program.	Education Efforts	Underway	N/A	N/A	N/A	B and SEB	N/A	N/A	N/A	Florida Legislature	N/A	N/A
FDOT District 4	N/A	FDOT4-10	Fertilizer Cessation	No longer fertilizing rights-of-way in watershed.	Fertilizer Cessation	Completed	2014	TBD	TBD	B and SEB	Not provided.	Not provided	Not provided	Florida Legislature	Not provided	N/A

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FDOT District 4	N/A	FDOT4-11	FM # 230132-1 (system 1)	Widening SR 615 between Ave. Q and Industrial Ave. Three and constructing new roadway between Industrial Ave. Three to SR 5 (System 1).	Dry Detention Pond	Completed	2001	Not provided	Not provided	SIRL, outside PLSM boundary	6.81	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-12	FM # 230132-1 (system 2)	Widening SR 615 between Ave. Q and Industrial Ave. Three and constructing new roadway between Industrial Ave. Three to SR 5 (System 2).	Dry Detention Pond	Completed	2001	Not provided	Not provided	SIRL, outside PLSM boundary	24.90	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-13	FM # 230132-1 (System 3)	Widening SR 615 between Ave. Q and Industrial Ave. Three and constructing new roadway between Industrial Ave. Three to SR 5 (System 3).	Dry Detention Pond	Completed	2001	Not provided	Not provided	SIRL, outside PLSM boundary	5.53	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-14	FM # 230132-1 (System 4)	Widening SR 615 between Ave. Q and Industrial Ave. Three and constructing new roadway between Industrial Ave. Three to SR 5 (System 4).	Dry Detention Pond	Completed	2001	Not provided	Not provided	SIRL, outside PLSM boundary	12.65	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-15	FM # 230132-1 (System 5)	Widening SR 615 between Ave. Q and Industrial Ave. Three and constructing new roadway between Industrial Ave. Three to SR 5 (System 5).	Wet Detention Pond	Completed	2001	Not provided	Not provided	SIRL, outside PLSM boundary	10.97	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-16	FM # 230132-1 (System 6)	Widening SR 615 between Ave. Q and Industrial Ave. Three and constructing new roadway between Industrial Ave.	Wet Detention Pond	Completed	2001	Not provided	Not provided	SIRL, outside PLSM boundary	4.71	Not provided	Not provided	Florida Legislature	Not provided	N/A

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				Three to SR 5 (System 6).												
FDOT District 4	N/A	FDOT4-17	FM # 230132-1 (System 7)	Widening SR 615 between Ave. Q and Industrial Ave. Three and constructing new roadway between Industrial Ave. Three to SR 5 (System 7).	100 % Onsite Retention	Completed	2001	Not provided	Not provided	SIRL, outside PLSM boundary	10.46	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-18	FM # 228583-3 (SR 5/US Hwy. 1)	Widening SR 5 from South Relief Canal to north of 4th St.	Wet Detention Pond	Completed	2014	52.6	28.7	B	17.25	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-19	FM # 230873-1 (27th Ave. Reconstruction)	27th Ave. reconstruction.	100 % Onsite Retention	Completed	2014	53.5	7.6	B	10.44	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-20	FM # 229966-1 (SR A1A at the Moorings)	Drainage improvements for SR A1A at Moorings (from north of Periwinkle Dr. to south of Harbour Dr.).	Grass Swales without Swale Blocks or Raised Culverts	Completed	2014	Not provided	Not provided	B	1.29	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-21	FM # 413048-1 (I-95 from St. Lucie/ Indian River County Line to North of SR 60)	Widening SR 9 from St. Lucie/ Indian River County Line to North of SR 60.	Dry Retention Pond	Completed	2016	985.1	377.9	B	181.75	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-22	FM # 411476-1 (Sebastian River Bridge Replacement Project)	SR A1A Sebastian River Bridge replacement.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2014	1.4	0.5	SEB	0.48	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-23	FM # 413049-2	Widening SR 9 from north of SR 60 to Indian River/ Brevard County line.	Grass Swales without Swale Blocks or Raised Culverts	Underway	2018	1,020.4	383.1	SEB	152.44	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-24	FM # 230279-1 (Kings Hwy.)	Constructing surface water management system for SR 713 (King's Hwy.).	Dry Detention Pond	Completed	2003	Not provided	Not provided	SIRL, outside PLSM boundary	12.52	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-25	FM # 413046-1	Widening SR 9 from south of SR 70 to south of Indrio Rd.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2014	Not provided	Not provided	SIRL, outside PLSM boundary	106.45	Not provided	Not provided	Florida Legislature	Not provided	N/A

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FDOT District 4	N/A	FDOT4-26	FM # 413047-1	Widening SR 9 from Indrio Rd. to Indian River County.	Grass Swales without Swale Blocks or Raised Culverts	Completed	2013	Not provided	Not provided	SIRL, outside PLSM boundary	41.42	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-27	FM # 230108-1 (Pond 1)	SR 68 from SR 9 to east of CR-607A: Widening and new lane construction (60 % credit, remaining 40 % to St. Lucie Estuary [SLE]).	Wet Detention Pond	Completed	2013	Not provided	Not provided	SIRL, outside PLSM boundary	4.95	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-28	FM # 230108-1 (Pond 4)	SR 68 from SR 9 to east of CR-607A: Widening and new lane construction (60 % credit; remaining 40 % to SLE).	Wet Detention Pond	Completed	2013	Not provided	Not provided	SIRL, outside PLSM boundary	4.96	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-29	FM # 228583-2 US 1 Widening (Pond 3)	Widening SR 5 from north of SR 713 to south of Oslo Rd. (Pond 3).	Wet Detention Pond	Completed	2016	112.5	65.0	SEB	39.86	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	City of Vero Beach	FDOT4-30	FM # 403596-1: SR 60 Resurfacing (20th St. Outfall)	Resurfacing SR 60 from 21st Ave. to Mockingbird Dr. (20th St. outfall).	Baffle Boxes – 2nd Generation	Completed	2008	316.0	60.0	SIRL	110.50	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	City of Vero Beach	FDOT4-31	FM # 403596-1: SR 60 Resurfacing (21st St. Outfall)	Resurfacing SR 60 from 21st Ave. to Mockingbird Dr. (21st St. outfall).	Baffle Boxes – 2nd Generation	Completed	2008	93.0	20.0	SIRL	23.40	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	City of Vero Beach	FDOT4-32	FM # 403596-1: SR 60 Resurfacing (23rd St. Outfall)	Resurfacing SR 60 from 21st Ave. to Mockingbird Dr. (23rd St. outfall).	Baffle Boxes – 2nd Generation	Completed	2008	518.0	106.0	SIRL	144.20	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	City of Vero Beach	FDOT4-33	FM # 403596-1: SR 60 Resurfacing (25th St. and Royal Palm Outfall) – Baffle Box #1	Resurfacing SR 60 from 21st Ave. to Mockingbird Dr. (25th St. and Royal Palm outfall) – Baffle Box # 1.	Baffle Boxes – 2nd Generation	Completed	2008	107.4	17.3	SIRL	50.97	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	City of Vero Beach	FDOT4-34	FM # 403596-1: SR 60 Resurfacing (25th St. and Royal Palm Outfall) – Baffle Box #2	Resurfacing SR 60 from 21st Ave. to Mockingbird Dr. (25th St. and Royal Palm outfall) – Baffle Box #2.	Baffle Boxes – 2nd Generation	Completed	2008	107.4	17.3	SIRL	50.97	Not provided	Not provided	Florida Legislature	Not provided	N/A

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FDOT District 4	N/A	FDOT4-35	FM # 431152-1	US-1 lateral ditch restoration.	Construction of Multiple Trash and Sediment Basins	Completed	2016	Not provided	Not provided	B and SEB	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 4	N/A	FDOT4-36	FM # 230338-4	Indrio Rd. widening – I-95 to SR-607.	BMP Treatment Train	Underway	Not provided	Not provided	Not provided	SIRL	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-01	D5_70010-3528-01	Pond A.	Wet Detention Pond	Completed	2002	TBD	TBD	A	15.60	Not provided	N/A	Not provided	Not provided	N/A
FDOT District 5	N/A	FDOTD5-02	D5_70010-3528-02	Pond B.	Wet Detention Pond	Completed	2002	TBD	TBD	A	8.40	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-03	D5_70012-3503-01 (missing from model)	Pond WRA 1.	Wet Detention Pond	Completed	1989	TBD	TBD	A	21.70	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-04	D5_70012-3503-02 (missing from model)	Pond WRA 2.	Wet Detention Pond	Completed	1989	TBD	TBD	A	9.10	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-05	D5_70012-3503-03 (missing from model)	Pond WRA 3.	Dry Detention Pond	Completed	1989	TBD	TBD	A	7.30	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-06	D5_70050-3544-03	Pond 7B.	Wet Detention Pond	Completed	2004	TBD	TBD	A	5.10	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-07	D5_70100-3517-01 (m model)	French drains.	100 % Onsite Retention	Completed	1996	TBD	TBD	A	3.40	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-08	D5_70220-3433-01	Pond C.	Wet Detention Pond	Completed	2000	TBD	TBD	A	9.30	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-09	D5_70220-3429-01 (missing from model)	Pond A; Pond 1A under 242251-2 (10/09).	Wet Detention Pond	Completed	1995	TBD	TBD	A	20.00	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-10	D5_70220-3429-02 (missing from model)	Pond B is now Pond 1B under 241221-2 (10/09).	Wet Detention Pond	Completed	1995	TBD	TBD	A	25.60	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-11	D5_70220-3429-03 (missing from model)	Pond C is now Pond 2B under 241221-2 (10/09).	Wet Detention Pond	Completed	1995	TBD	TBD	A	26.10	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-12	D5_70220-3429-04 (missing from model)	Pond D is now Pond 2A under 241221-2 (10/09).	Wet Detention Pond	Completed	1995	TBD	TBD	A	21.70	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-13	D5_409034-01	French drains.	100 % Onsite Retention	Completed	2005	TBD	TBD	A	0.40	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-14	Education Efforts	Pamphlets, Illicit Discharge Program.	Education Efforts	Underway	N/A	N/A	N/A	A	N/A	N/A	N/A	Florida Legislature	N/A	N/A
FDOT District 5	N/A	FDOTD5-15	Fertilizer Cessation	Elimination of fertilizer application in rights-of-way.	Fertilizer Cessation	Completed	2005	1,586.0	0.0	A	101.47	Not provided	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOTD5-16	Street Sweeping	Street sweeping.	Street Sweeping	Underway	N/A	80.0	51.0	A	N/A	Not provided	N/A	Florida Legislature	Not provided	N/A

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Fellsmere WCD	Sunrise Villas	FWCD-01	Sunrise Villas	Pond designed per 2-in/day limitation rule.	Wet Detention Pond	Completed	2003	11.0	4.5	SEB	13.60	Not provided	Not provided	Sunrise Villas	Not provided	N/A
Fellsmere WCD	SJRWMD/ Indian River County/ State	FWCD-02	St. Johns Land Purchase	Conservation land.	Land Use Change	Completed	Not provided	N/A	N/A	SEB	2,390.60	N/A	N/A	SJRWMD	N/A	N/A
Fellsmere WCD	City of Fellsmere/ SJRWMD	FWCD-03	Fellsmere Stormwater Lake and State St. Improvements	Stormwater retrofit improvements.	Wet Detention Pond	Completed	2003	71.5	19.9	SEB	49.60	Not provided	Not provided	SJRWMD/ Fellsmere WCD	Not provided	N/A
Fellsmere WCD	Indian River County Habitat for Humanity	FWCD-04	Grace Meadows	Pond designed per 2-in/day limitation rule.	Wet Detention Pond	Completed	2009	4.5	1.5	SEB	18.30	Not provided	Not provided	Indian River County Habitat for Humanity	Not provided	N/A
Fellsmere WCD	N/A	FWCD-05	2-Inch Limitation Discharges	Establishment of 2-in/day discharge rule.	Regulations, Ordinances, and Guidelines	Completed	Not provided	Not provided	Not provided	SEB	N/A	Not provided	Not provided	N/A	Not provided	N/A
Fellsmere WCD	N/A	FWCD-06	Fellsmere WCD Mechanical Canal Maintenance	Canal cleaning/ Maintenance.	Muck Removal/ Restoration Dredging	Completed	Not provided	Not provided	Not provided	SEB	N/A	Not provided	Not provided	Fellsmere WCD	Not provided	N/A
Fellsmere WCD	City of Fellsmere	FWCD-07	Historic Fellsmere Master Drainage Plan	Stormwater retrofit improvements.	Regional Stormwater Treatment	Planned	TBD	TBD	TBD	SEB	1,661.33	TBD	TBD	Fellsmere WCD/ City of Fellsmere	TBD	N/A
Fellsmere Joint Venture	SJRWMD	FJV-01	Water Dispersion Project	Construction of berms and 2 pump stations to remove water from outfall canals and store on land.	DWM	Planned	TBD	TBD	TBD	SEB	TBD	TBD	TBD	SJRWMD	TBD	N/A
Fort Pierce Farms WCD	N/A	FPF-01	Swale along Canal 1 Top of Bank (SLRIT Grant 2006-07)	Grassed swale constructed along Canal 1 top of bank, immediately upstream of IRL, to collect stormwater runoff and provide some water quality benefit. Project addressed previous area of bank erosion.	Grass Swales without Swale Blocks or Raised Culverts	Completed	Not provided	Not provided	Not provided	SIRL	0.19	Not provided	Not provided	Not provided	Not provided	N/A
Fort Pierce Farms WCD	N/A	FPF-02	Dry Detention Area along Canal 1 Top of Bank (SLRIT Grants 2006-07 and 2007-08)	Grassed dry detention area and control structure replacement to address stormwater runoff issues and canal	Dry Detention Pond	Completed	Not provided	Not provided	Not provided	SIRL	2.58	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				bank erosion immediately upstream of IRL.												
Fort Pierce Farms WCD	N/A	FPF-03	Discharge Criteria Adopted as Part of Fort Pierce Farms WCD Permit Application Criteria	More stringent than standard pre vs. post; allows for 11 % more volume per development to be detained by stormwater system.	Regulations, Ordinances, and Guidelines	Completed	Not provided	Not provided	Not provided	SIRL	N/A	N/A	N/A	N/A	Not provided	N/A
Indian River County	DEP	IRC-01	Vero Lake Estates Stormwater Improvements – Phase 1	Not provided.	Wet Detention Pond	Completed	2002	4,935.7	1,022.5	SEB	2,407.11	\$1,572,829	Not provided	DEP	Not provided	WM803
Indian River County	DEP	IRC-02	East Roseland Stormwater Improvements	Not provided.	Wet Detention Pond	Completed	2005	168.2	38.3	SEB	73.66	\$433,134	\$2,176	DEP	Not provided	G0061
Indian River County	DEP	IRC-03	East Gifford Stormwater Improvements	Not provided.	Wet Detention Pond	Completed	2004	169.2	71.1	B	44.11	\$686,136	\$2,471	DEP	Not provided	WM836
Indian River County	DEP	IRC-04	Pollution Control (PC) Main (formerly Main Relief Canal Pollution Control Facility)	Nutrient removal from measured data.	Other Structural BMP	Completed	2009	2,079.3	528.3	B	22,800.50	\$5,331,908	\$63,260	DEP	Not provided	G0182
Indian River County	DEP	IRC-05	Egret Marsh Stormwater Park	Nutrient removal from measured data.	Other Structural BMP	Completed	2010	19,948.0	4,049.0	B	10,104.24	\$7,563,274	\$200,189	DEP	Not provided	G0143
Indian River County	DEP	IRC-06	PC South (Osprey Marsh) Algal Nutrient Removal Facility	Nutrient removal from measured data.	Other Structural BMP	Completed	2016	12,990.0	2,991.0	B	9,781.88	\$10,000,000	\$175,000	DEP	Not provided	G0353
Indian River County	N/A	IRC-07	Moorhen Marsh (formerly PC North Aquatic Plant Based Nutrient Removal System)	MAPS will remove sediment and suspended solids through settling and filtration by aquatic plant roots. Aquatic plants will be harvested regularly.	Other Structural BMP	Planned	2020	8,600.0	1,500.0	B and SEB	6,301.15	\$7,000,000	\$84,000	County/ Grants	TBD	N/A
Indian River County	N/A	IRC-08	Education Efforts	Fertilizer ordinance, PSAs, website, pamphlets, Illicit Discharge	Education Efforts	Completed	N/A	N/A	N/A	B and SEB	N/A	N/A	\$52,000	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Program, and signs along Indian River Farms WCD canals.												
Indian River County	N/A	IRC-09	Street Sweeping	Street sweeping.	Street Sweeping	Underway	N/A	365.0	234.0	B and SEB	N/A	Not provided	\$22,050	Not provided	Not provided	N/A
Indian River County	N/A	IRC-10	Storm Drain Cleaning with Vacuum Trucks	Nutrient removal from measured data.	Other Structural BMP	Planned	TBD	TBD	TBD	B and SEB	TBD	TBD	\$19,067	TBD	TBD	N/A
Indian River County	N/A	IRC-11	Floating Aquatic Plant Islands in County Stormwater Ponds and Lakes	Nutrient removal from measured data.	Floating Islands/ MAPS	Planned	TBD	TBD	TBD	B and SEB	TBD	TBD	TBD	TBD	TBD	N/A
Indian River County	N/A	IRC-12	Spoonbill Marsh Project	Nutrient removal from measured data.	Other Structural BMP	Completed	2010	TBD	TBD	B	359.45	\$4,200,000	\$316,139	Not provided	Not provided	N/A
Indian River County	N/A	IRC-13	North Relief Canal Mechanical Vegetation/Debris Removal System	Removal of aquatic vegetation containing nitrogen and phosphorus that otherwise, would enter IRL and die, releasing nutrients into lagoon.	Aquatic Vegetation Harvesting	Planned	TBD	TBD	TBD	SEB	6,301.15	\$1,000,000	\$50,000	County/ Grants	TBD	N/A
Indian River County	N/A	IRC-14	South Relief Canal Mechanical Vegetation/Debris Removal System	Removal of aquatic vegetation containing nitrogen and phosphorus that otherwise would enter lagoon.	Aquatic Vegetation Harvesting	Underway	Not provided	Not provided	Not provided	SEB	7,154.84	\$1,000,000	\$50,000	County/ Grants	Not provided	N/A
Indian River County	SJRWMD/ DEP/ EPA	IRC-15	Osprey Acres Flow-Way and Nature Preserve	MAPS will remove sediment and suspended solids through settling and filtration by aquatic plant roots. Aquatic plants will be harvested regularly.	Other Structural BMP	Underway	2018	3,000.0	300.0	SEB	9,783.61	\$7,500,000	\$50,000	DEP	\$7,500,000	NS027
Indian River Farms WCD	N/A	IRF-01	Tilting Weir Gates	Not provided.	Other Structural BMP	Completed	Not provided	Not provided	Not provided	B and SEB	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Indian River Farms WCD	N/A	IRF-02	Mechanical Removal of Floating Vegetation	Not provided.	Other Nonstructural BMP	Completed	Not provided	Not provided	Not provided	B and SEB	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Indian River Farms WCD	N/A	IRF-03	Establishment of 2-in Discharge Rule	Not provided.	Other Nonstructural BMP	Completed	Not provided	Not provided	Not provided	B and SEB	Not provided	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Melbourne Tillman WCD	DEP	MT-01	C-1 Rediversion Project	Not provided.	Hydrologic Restoration	Completed	2014	Not provided	Not provided	A	Not provided	Not provided	Not provided	DEP	Not provided	S0652
Melbourne Tillman WCD	N/A	MT-02	Weir Construction C-69 @ C-1	Not provided.	Control Structure	Completed	Not provided	Not provided	Not provided	A	3,830.00	Not provided	Not provided	Not provided	Not provided	N/A
Melbourne Tillman WCD	N/A	MT-03	Weir Construction C-69 @ C-75	Not provided.	Control Structure	Completed	Not provided	Not provided	Not provided	A	2,940.00	Not provided	Not provided	Not provided	Not provided	N/A
Melbourne Tillman WCD	N/A	MT-04	Weir Construction C-74 @ C-69	Not provided.	Control Structure	Completed	Not provided	Not provided	Not provided	A	840.00	Not provided	Not provided	Not provided	Not provided	N/A
Melbourne Tillman WCD	N/A	MT-05	Windmill Aeration	Not provided.	Other Structural BMP	Completed	Not provided	Not provided	Not provided	A	516.00	Not provided	Not provided	Not provided	Not provided	N/A
Melbourne Tillman WCD	N/A	MT-06	C-9R	Wood chip logs.	Other Nonstructural BMP	Completed	Not provided	Not provided	Not provided	A	205.00	Not provided	Not provided	Not provided	Not provided	N/A
Melbourne Tillman WCD	N/A	MT-07	C-49 Pond	Not provided.	Biological/Bacteria Treatment	Completed	Not provided	Not provided	Not provided	A	238.00	Not provided	Not provided	Not provided	Not provided	N/A
Melbourne Tillman WCD	N/A	MT-08	C-47	Not provided.	Biological/Bacteria Treatment	Completed	Not provided	Not provided	Not provided	A	480.00	Not provided	Not provided	Not provided	Not provided	N/A
Melbourne Tillman WCD	N/A	MT-09	C-62	Wood chip logs.	Other Nonstructural BMP	Completed	Not provided	Not provided	Not provided	A	120.00	Not provided	Not provided	Not provided	Not provided	N/A
Melbourne Tillman WCD	N/A	MT-10	C-84	Not provided.	Biological/Bacteria Treatment	Completed	Not provided	Not provided	Not provided	A	152.00	Not provided	Not provided	Not provided	Not provided	N/A
Melbourne Tillman WCD	N/A	MTT-11	Harvesting	Hydrilla harvesting.	Aquatic Vegetation Harvesting	Completed	2016	Not provided	Not provided	A	79.55	Not provided	Not provided	Not provided	Not provided	N/A
North St. Lucie River WCD	N/A	NSLR-01	C-25 Diversion Structure	Replace previous pump structure with gravity flow control structure.	Control Structure	Completed	Not provided	Not provided	Not provided	SIRL	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
North St. Lucie River WCD	N/A	NSLR-02	Invasive Vegetation Removal at Canals 33 and 42	Mechanical removal of invasive vegetation in canals and surrounding banks.	Aquatic Vegetation Harvesting	Completed	Not provided	Not provided	Not provided	SIRL	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
North St. Lucie River WCD	N/A	NSLR-03	Canal Maintenance Program	Ongoing maintenance primarily by mechanical means to keep canals free of exotic and decaying vegetation.	Aquatic Vegetation Harvesting	Completed	Not provided	Not provided	Not provided	SIRL	Not provided	Not provided	\$9,400	Not provided	Not provided	N/A
Sebastian River Improvement District	N/A	SRID-01	2-Inch Rule	Establishment of 2-in discharge rule	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	B and SEB	N/A	N/A	N/A	N/A	N/A	N/A
Sebastian River Improvement District	TBD	SRID-02	Control Gates	Radial arm control gates	Other Structural BMP	Planned	TBD	TBD	TBD	B and SEB	9,000.0	TBD	TBD	SRID	TBD	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Sebastian River Improvement District	N/A	SRID-03	Muck Removal	Vegetation and sediment/muck removal from canals.	Muck Removal/ Restoration Dredging	Completed	Not provided	Not provided	Not provided	B and SEB	Not provided	Not provided	Not provided	SRID	Not provided	N/A
Sebastian River Improvement District	N/A	SRID-04	Education Efforts	Permit manual on website that encourages use of BMPs.	Education Efforts	Underway	N/A	N/A	N/A	B and SEB	N/A	N/A	N/A	N/A	N/A	N/A
Sebastian River Improvement District	N/A	SRID-05	Water Conservation	Large regional water conservation/ storage areas	Offline Retention BMPs	Planned	TBD	TBD	TBD	B and SEB	TBD	TBD	TBD	SRID	TBD	N/A
Sebastian River Improvement District	Groves Brothers/ SJRWMD	SRID-06	200-ac Water Dispersion Project	Construction of berms and 2 pump stations to remove water from outfall canals and store on land.	DWM	Underway	2018	TBD	TBD	B and SEB	7,700.00	\$5,650,000	TBD	SJRWMD	\$5,650,000	N/A
Sebastian River Improvement District	N/A	SRID-07	Lateral D System Stormwater Management	Lateral D system stormwater discharge limitation.	Regulations, Ordinances, and Guidelines	Planned	TBD	N/A	N/A	B and SEB	N/A	N/A	N/A	N/A	N/A	N/A
St. Lucie County	N/A	SLC-01	Education Efforts	FYN; landscaping, irrigation, fertilizer, and pet waste ordinances; PSAs, pamphlets, website, and Illicit Discharge Program.	Education Efforts	Completed	2013	N/A	N/A	SIRL	N/A	N/A	N/A	N/A	N/A	N/A
St. Lucie County	N/A	SLC-02	Street Sweeping	470 tons/yr collected.	Street Sweeping	Completed	2013	664.0	299.1	SIRL	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Lucie County	DEP/ SFWMD/ IRL National Estuary Program (NEP)	SLC-03	Paradise Park Stormwater Improvement	Construction of drainage system providing 75 % treatment of first 1 in of runoff.	Dry Detention Pond	Underway	2014	Not provided	Not provided	SIRL	168.10	\$10,000,000	Not provided	DEP/ SFWMD/ IRL NEP	DEP – \$225,000 SFWMD – \$304,448 IRL NEP – \$125,000	LP56020
St. Lucie County	N/A	SLC-04	Harmony Heights Stormwater Improvement	Construction of drainage system providing 75 % treatment of first 1 in of runoff.	Dry Detention Pond	Underway	2015	TBD	TBD	SIRL	238.74	\$10,000,000	TBD	TBD	\$511,838	N/A
St. Lucie County	N/A	SLC-05	Taylor Creek Dredging	3-phase sediment/muck removal project totaling 200,000 cubic yds.	Muck Removal/ Restoration Dredging	Completed	2015	Not provided	Not provided	SIRL	Not provided	\$7,500,000	N/A	Not provided	Not provided	N/A
St. Lucie County	N/A	SLC-06	Stan Blum Memorial Boat Launch	Not provided.	Wet Detention Pond	Completed	Not provided	Not provided	Not provided	SIRL	6.13	Not provided	N/A	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
St. Lucie County	IRL NEP	SLC-07	San Lucie Plaza Stormwater Master Plan	Construction of drainage system providing 75 % treatment of first inch of runoff.	Online Retention BMPs	Underway	2018	TBD	TBD	SIRL	157.08	\$20,000,000	TBD	TBD	\$650,325	N/A
St. Lucie County	N/A	SLC-08	Georgia Ave. Basin Water Quality Improvement	Baffle box and control weir.	Baffle Boxes – 2nd Generation	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
St. Lucie County	N/A	SLC-09	Queens Cove Septic to Sewer	Conversion to central sewer.	Wastewater Service Area Expansion	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
St. Lucie County	N/A	SLC-10	Port of Fort Pierce	Stormwater management system.	Stormwater System Rehabilitation	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided	TBD	TBD	Not provided	Not provided	N/A
St. Lucie Village	N/A	SLV-01	Peninsula Dr.	0.75-in detention storage for western half of Peninsula Dr. where there was no previous treatment.	Wet Detention Pond	Completed	2011	Not provided	Not provided	SIRL	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Town of Indialantic	N/A	TI-01	Education Efforts	Pamphlets, website, and fertilizer ordinance.	Education Efforts	Underway	N/A	N/A	N/A	A	N/A	N/A	N/A	N/A	N/A	N/A
Town of Indialantic	N/A	TI-02	Swale Construction	Not provided.	Grass Swales without Swale Blocks or Raised Culverts	Underway	Not provided	Not provided	Not provided	A	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Town of Indialantic	N/A	TI-03	Drainage Inlet Cleaning	Not provided.	BMP Clean Out	Completed	Not provided	Not provided	Not provided	A	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Town of Indialantic	N/A	TI-04	Street Sweeping	Not provided.	Street Sweeping	Underway	N/A	28.0	18.2	A	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Town of Indialantic	N/A	TI-05	Lily Park	Not provided.	Online Retention BMPs	Planned	2018	TBD	9.0	A	TBD	TBD	TBD	TBD	TBD	N/A
Town of Indian River Shores	DEP/ Indian River County	IRS-01	Public Education	Implement FYN Program; adopted fertilizer, landscape, and irrigation ordinances; public website; and inspection of illicit discharges.	Education Efforts	Underway	N/A	N/A	N/A	B	N/A	\$25,000	\$5,000	IRL NEP/ Town	Not provided	N/A
Town of Indian River Shores	DEP	IRS-02	Hurricane Evacuation Stormwater Improvements	Stormwater improvements, including exfiltration, polyacrylamide (PAM) blocks, dry retention, and swales.	BMP Treatment Train	Underway	2019	TBD	TBD	B	12.00	\$1,351,505	\$25,000	DEP/ Town	DEP – \$637,500	NS036

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Town of Indian River Shores	DEP/ SJRWMD/ Indian River Lakes Conservancy (IRLC)	IRS-03	Dredging of Indian/Seminole Lane Stormwater Drainage Canal	Removal of accumulated muck that will reduce nutrient loading in drainage canal.	Muck Removal/ Restoration Dredging	Planned	2020	TBD	TBD	B	53.60	\$350,000	\$25,000	DEP/ SJRWMD/ Town	TBD	TBD
Town of Indian River Shores	DEP/ SJRWMD/ IRLC	IRS-04	Pebble Bay Estates Inlet Basket Retrofit	Retrofit inlet baskets on 4 catch basins in Pebble Bay Estates.	Catch Basin Inserts/Inlet Filter Clean Out	Planned	2021	TBD	TBD	B	30.82	\$150,000	\$15,000	DEP/ SJRWMD/ Town	TBD	TBD
Town of Indian River Shores	IRL NEP	IRS-05	Baffle Box	Installation of baffle box to reduce nutrient loading to lagoon.	Baffle Boxes – 2nd Generation	Completed	2015	Not provided	Not provided	B	53.60	\$122,103	\$15,000	IRL NEP/ Town	Not provided	N/A
Town of Indian River Shores	IRL NEP	IRS-06	Oyster Reef	Construct oyster bar reef waterside of Indian and Seminole Lanes.	Creating/ Enhancing Oyster Reefs	Planned	2020	TBD	TBD	B	0.25	\$35,000	\$2,500	IRL NEP/ Town	Not provided	N/A
Town of Melbourne Beach	N/A	MB-01	Basin 9 – Oak St. Pedway	Not provided.	Exfiltration Trench	Completed	2007	127.0	21.0	A	13.10	\$146,000	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-02	Basin 9 – Oak St. Pedway Improvement Project	Not provided.	Baffle Boxes – 2nd Generation	Completed	2007	42.0	4.6	A	85.70	\$146,000	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-03	Basin 8, 9, and 11 Oak St. Pedway – Improvement Project	Not provided.	Grass Swales without Swale Blocks or Raised Culverts.	Completed	2007	Not provided	Not provided	A	45.10	\$146,000	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-04	Basin 1 – Hazard Mitigation Grant Program (HMGP) Flood Water Improvements Project	Not provided.	Baffle Boxes – 2nd Generation	Completed	2010	146.0	16.9	A	83.70	\$500,000	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-05	Basin 1 – HMGP Flood Water Improvements Project	Not provided.	Grass Swales without Swale Blocks or Raised Culverts.	Completed	2010	Not provided	Not provided	A	0.90	\$500,000	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-06	Basin 9 –HMGP Flood Water Improvements Project	Not provided.	Grass Swales without Swale Blocks or Raised Culverts.	Completed	2010	Not provided	Not provided	A	1.00	\$500,000	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-07	Anchor Key Drainage Improvements – Basin 16	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	0.0	0.1	A	3.30	Not provided	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-08	Pelican Key Drainage Improvements – Basin 14	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2002	0.0	0.0	A	1.80	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Town of Melbourne Beach	DEP	MB-09	Basin 5 – Ocean Ave. Baffle Box	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	3.0	2.9	A	58.30	Not provided	Not provided	DEP	Not provided	G0320
Town of Melbourne Beach	N/A	MB-10	Basin 10 – Cherry Dr. Baffle Box	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	3.0	2.6	A	87.40	Not provided	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-11	Basin 15 – Neptune Dr. Baffle Box	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	0.0	0.1	A	5.80	Not provided	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-12	Basin 17 – Riverview Lane Baffle Box	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	0.0	0.0	A	1.10	Not provided	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-13	Basin 18 – Riverview Lane Baffle Box	Not provided.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	2000	0.0	0.1	A	5.90	Not provided	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-14	CIBs – Basins 4, 6, 10, and 15	Not provided.	Catch Basin Inserts/Inlet Filter Clean Out	Completed	2000	5.0	3.5	A	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-15	Melbourne Beach Chevron	Not provided.	100 % Onsite Retention	Completed	2010	Not provided	Not provided	A	0.60	Not provided	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-16	Melbourne Beach Library	Not provided.	Dry Detention Pond	Completed	2001	3.0	0.6	A	1.50	Not provided	Not provided	Not provided	Not provided	N/A
Town of Melbourne Beach	N/A	MB-17	Melbourne Beach Town Hall	Not provided.	100 % Onsite Retention	Completed	2005	Not provided	Not provided	A	1.80	Not provided	Not provided	Not provided	Not provided	N/A
Town of Melbourne Village	N/A	MV-01	Platt Cir.	Not provided.	Baffle Boxes – 2nd Generation	Completed	2005	48.0	5.5	A	31.10	\$124,000	Not provided	Not provided	Not provided	N/A
Town of Orchid	N/A	TO-1	Education Efforts	Not provided.	Education Efforts	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turnpike	N/A	T-01	Street Sweeping	Not provided.	Street Sweeping	Underway	N/A	31.0	20.0	B	N/A	\$124,000	Not provided	Not provided	Not provided	N/A
Turnpike	N/A	T-02	Public Education	No fertilizer on rights-of-way, educational signage; illicit discharge training.	Education Efforts	Underway	N/A	N/A	N/A	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A

IRL – North IRL (NIRL) BMAP

Background

The NIRL BMAP covers 211,398 acres of the IRL Basin, which lies between Edgewater and Melbourne and extends in a north-south direction from Turnbull Creek to the Melbourne Causeway. Turnbull Creek, the Canaveral Barge Canal, the valley between Ten Mile Ridge and the Atlantic Coastal Ridge, and the Eau Gallie River are the primary tributaries to the NIRL.

DEP verified the IRL Basin as impaired because of excessive amounts of TN and TP, as evidenced by a decrease in seagrass distribution and by low DO. In March 2009, DEP adopted the nutrient and DO IRL Basin TMDLs, with a focus on the water quality conditions necessary for seagrass regrowth at the depth limits where seagrass historically grew in the basin, based on a multiyear composite of seagrass coverage. The NIRL BMAP was adopted in February 2013 to implement the TN and TP TMDL.

The NIRL BMAP is one of three separate BMAPs developed for the IRL subbasins because of its large size and hydrologic diversity. The NIRL was further divided into project zones (**Figure C-4**), with boundaries based on the distinct hydrology in different areas of the basin and their corresponding annual residence times. The zones are important because flushing times vary greatly among locations and consequently affect how nutrient reductions will impact these distinct areas. The project zones identify large areas where projects should be implemented to ensure that the load reductions achieve the desired response for each subbasin. The two project zones are as follows:

- **North A** – Turnbull Creek to National Aeronautics and Space Administration (NASA) Causeway (SR 405).
- **North B** – NASA Causeway to Melbourne Causeway (US Hwy. 192).

Status of Projects

Through December 31, 2017, 168 projects were completed. An additional 60 projects that are underway or planned were added to the BMAP. The projects completed to date are estimated to achieve total reductions of 97,163 lbs/yr of TN, or 44 % of the reductions needed to meet the portion of the TN TMDL allocated to the NIRL. Completed projects completed to date are estimated to achieve total reductions of 31,459 lbs/yr of TP, or 60 % of the reductions needed to meet the portion of the TP TMDL allocated to the NIRL.

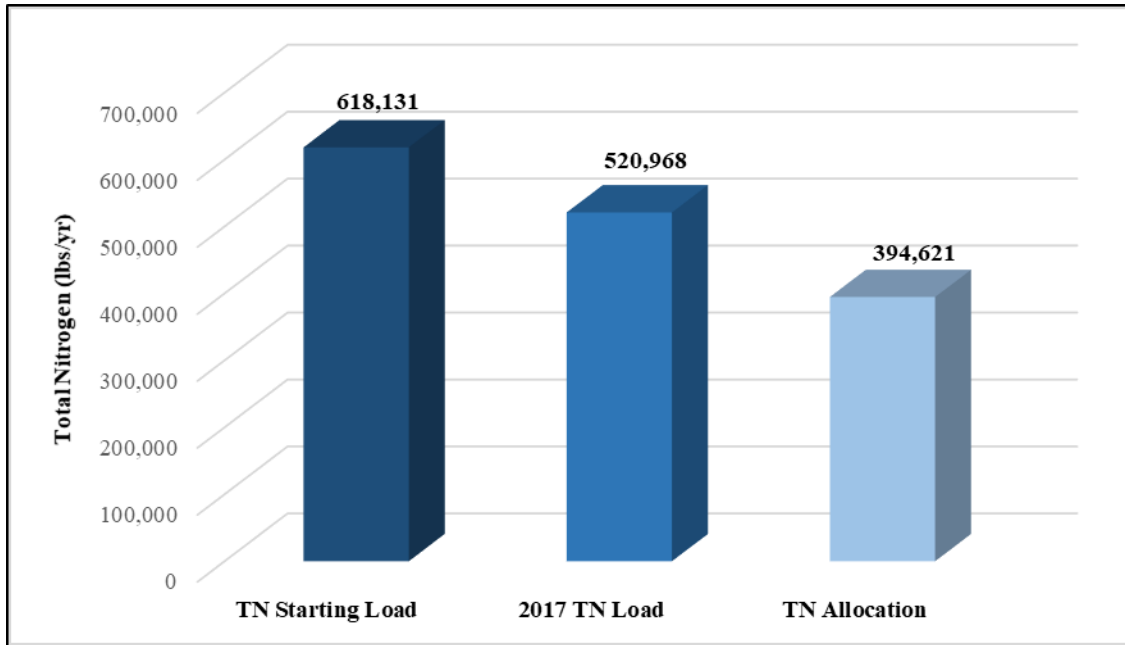


Figure C-8. Estimated progress toward meeting the IRL TN TMDL allocated to NIRL. Reductions are associated with projects completed through December 31, 2017.

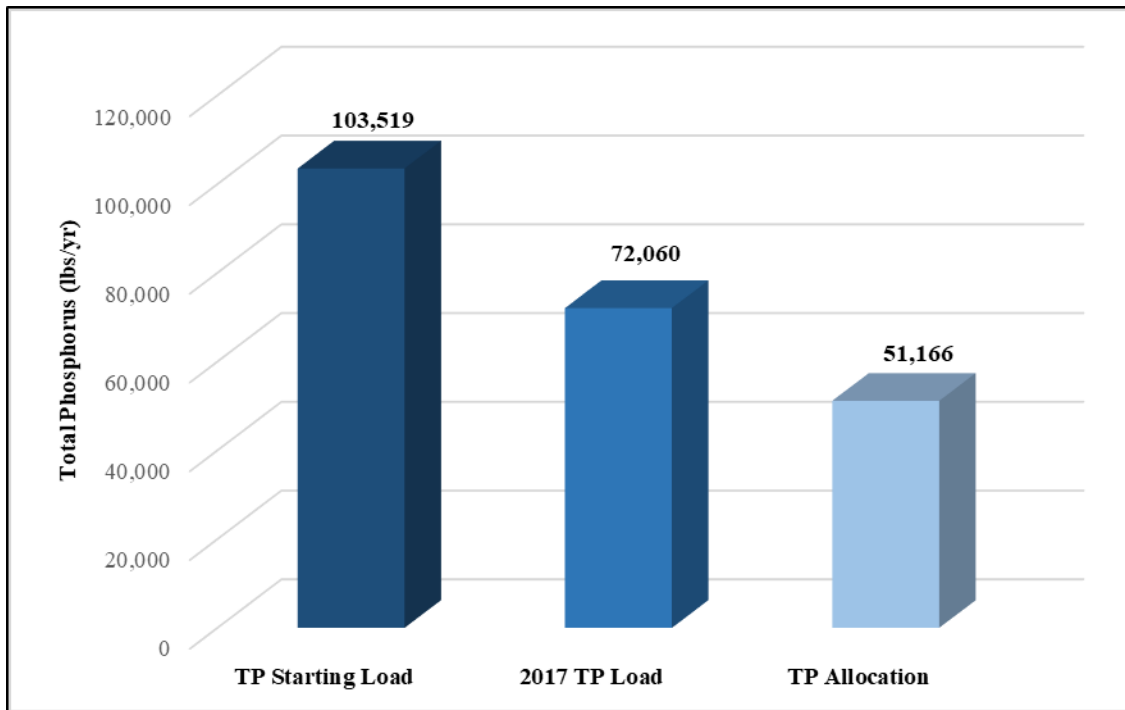


Figure C-9. Estimated progress toward meeting the IRL TP TMDL allocated to NIRL. Reductions are associated with projects completed through December 31, 2017.

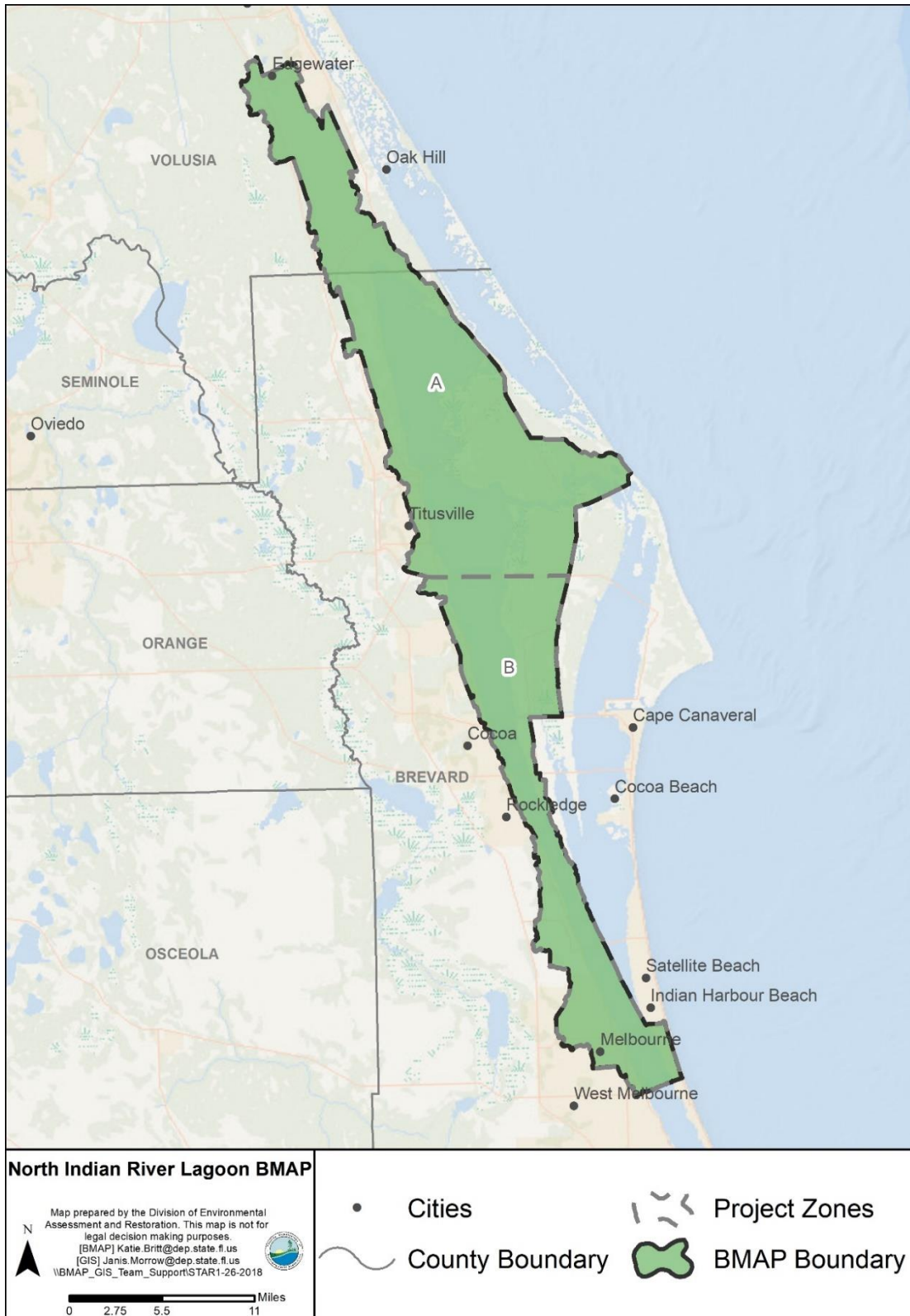


Figure C-10. NIRL BMAP area

Table C-4. NIRL BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Agriculture	N/A	Agriculture	Credit for Changes in Land Use	Credit for changes in land use.	Land Use Change	Completed	Not provided	5,047	1,420	A	Not provided	N/A	N/A	N/A	N/A	N/A
Agriculture	N/A	Agriculture	Credit for Changes in Land Use	Credit for changes in land use.	Land Use Change	Completed	Not provided	4,739	1,029	B	Not provided	N/A	N/A	N/A	N/A	N/A
Brevard County	N/A	BC-01	Old Dixie Hwy. 601	Sediment trap.	BMP Clean Out	Completed	2014	Not provided	Not provided	A	Not provided	\$2,000	\$2,000	County	\$2,000	N/A
Brevard County	DEP/ Titusville	BC-02	Chain of Lakes Pond	Not provided.	Wet Detention Pond	Completed	2010	2,699	1,109	A	1,073	\$2,051,405	Not provided	DEP	Not provided	WM804
Brevard County	West Melbourne/ Grant-Valkaria/ Malabar/ Melbourne/ Cocoa/ Indian Harbour Beach (IHB)/ Satellite Beach/ Cocoa Beach/ Cape Canaveral	BC-03	Education Efforts	FYN; landscape, irrigation, fertilizer, and pet waste ordinances; PSAs; pamphlets; website, Illicit Discharge Program.	Education Efforts	Underway	N/A	1,660	214	A	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	TBD	BC-04	Scottsmoor I	Advanced denitrification and baffle box treatment train.	BMP Treatment Train	Planned	TBD	TBD	TBD	A	531	\$601,664	\$1,000	TBD	TBD	N/A
Brevard County	DEP/ City of Titusville	BC-05	Chain of Lakes Southern Expansion Phase 1	Not provided.	Wet Detention Pond	Completed	2014	1,325	441	A	575	\$3,200,000	\$1,000	DEP	Not provided	S0620
Brevard County	Not provided	BC-06	Chain of Lakes Reuse	Not provided.	Stormwater Reuse	Completed	2005	498	63	A	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	TBD	BC-07	Scottsmoor C	Advanced denitrification and baffle box treatment train.	BMP Treatment Train	Planned	TBD	TBD	TBD	A	463	TBD	TBD	TBD	TBD	N/A
Brevard County	Not provided	BC-08	Twin Lakes North	Not provided.	Baffle Box – 1st Generation	Completed	2014	10	1	B	8	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-09	Twin Lakes South	Not provided.	Baffle Box – 1st Generation	Completed	2014	10	1	B	9	\$20,082	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-10	Lucas Pl. 640 Baffle Box	Not provided.	Baffle Box – 1st Generation	Completed	2003	8	1	B	5	\$36,835	\$1,000	DEP/ County	Not provided	S0620
Brevard County	DEP	BC-11	Rockledge Dr. 2055	Not provided.	Baffle Box – 1st Generation	Completed	2008	2	0	B	2	\$61,094	\$1,000	DEP	Not provided	S0620
Brevard County	Not provided	BC-12	Rockledge and Riverwoods Baffle Box	Not provided.	Baffle Box – 1st Generation	Completed	2000	3	0	B	4	\$47,686	\$1,000	Not provided	Not provided	N/A
Brevard County	DEP	BC-13	Anchor Lane	Not provided.	Baffle Box – 1st Generation	Completed	2000	47	5	B	29	\$49,560	\$1,000	DEP	Not provided	S0620
Brevard County	Not provided	BC-14	Kelmore Baffle Box	Not provided.	Baffle Box – 1st Generation	Completed	2003	10	2	B	10	\$21,817	\$1,000	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Brevard County	DEP	BC-15	Puesta Del Sol 735 Baffle Box	Not provided.	Baffle Box – 1st Generation	Completed	2003	2	0	B	2	\$24,953	\$1,000	DEP	Not provided	S0620
Brevard County	SJRWMD	BC-16	Tequesta Harbor Baffle Box	Not provided.	Baffle Box – 1st Generation	Completed	2009	21	2	B	13	\$27,582	\$1,000	Not provided	Not provided	N/A
Brevard County	NRCS	BC-17	Broadway Blvd. Pond	Not provided.	Wet Detention Pond	Completed	2000	272	56	B	86	\$553,169	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-18	Fairglen Elementary School Pond	Not provided.	Wet Detention Pond	Completed	2003	350	111	B	80	\$730,869	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-19	Lake George	Not provided.	Wet Detention Pond	Completed	2010	1,261	415	B	719	\$347,255	\$1,000	DEP	Not provided	LP8952
Brevard County	Not provided	BC-20	Merritt Island Courthouse Pond	Not provided.	Wet Detention Pond	Completed	2003	8	3	B	7	\$95,584	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-21	Parkway Dr. Phase 2 Pond	Not provided.	Wet Detention Pond	Completed	2004	4,041	1,599	B	1,797	\$1,817,720	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-22	Street Sweeping	Monthly street sweeping 786 curb lane mi.	Street Sweeping	Underway	N/A	636	408	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-23	Education Efforts	FYN; landscape, irrigation, fertilizer, and pet waste ordinances; PSAs; pamphlets; website, Illicit Discharge Program.	Education Efforts	Underway	N/A	6,339	1,035	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-24	Pine Island Phase I and II	Not provided.	Wet Detention Pond	Completed	2014	10,948	3,218	B	6,233	\$4,131,255	\$34,705	DEP	Not provided	G0288 and G0344
Brevard County	Not provided	BC-25	Merritt Island Airport	Not provided.	Wet Detention Pond	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brevard County	DEP	BC-26	Pines Industrial	Not provided.	Wet Detention Pond	Planned	TBD	802	101	B	71	\$822,000	TBD	DEP	Not provided	NF003
Brevard County	DEP	BC-27	Johnson Junior High	Discharge regulation, phosphorus reduction, and denitrification.	Floating Islands/ MAPS	Planned	TBD	187	27	B	133	\$484,200	Not provided	DEP	Not provided	G0430
Brevard County	DEP	BC-28	Florida Blvd.	Not provided.	Floating Islands/ MAPS	Completed	2014	197	21	B	88	\$40,772	\$18,295	DEP	Not provided	G0430
Brevard County	DEP	BC-29	Fairglen Elementary	Not provided.	Floating Islands/ MAPS	Completed	2017	123	12	B	80	\$34,996	\$15,703	DEP	Not provided	G0430
Brevard County	DEP	BC-30	Port St. John B	Not provided.	Floating Islands/ MAPS	Completed	Not provided	237	42	B	58	\$16,308	\$7,315	DEP	Not provided	G0430
Brevard County	DEP	BC-31	Wickham Park North	Not provided.	Floating Islands/ MAPS	Completed	2017	2,804	598	B	1,797	\$75,428	\$33,846	DEP	Not provided	G0430
Brevard County	DEP	BC-32	West Ave. 6600	Upgrading 1st-generation to 2nd-generation baffle box by adding	Baffle Box – Type 1 retrofit	Completed	2017	120	12	B	51	\$15,000	Not provided	DEP	Not provided	S0648

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				nutrient-separating screen.												
Brevard County	DEP	BC-33	Lucas Place	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	8	1	B	3	\$12,507	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-34	Indian River Isles	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	63	8	B	7	\$30,844	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-35	Granada Street 1030 East	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1	Completed	Not provided	99	16	B	39	\$15,000	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-36	Haverhill Ave.	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	80	8	B	48	\$35,857	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-37	Manth Ave.	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	226	29	B	69	\$12,507	Not provided	DEP	Not provided	S0648
Brevard County	Not provided	BC-38	Rockledge and Riverwoods Blvd. Rockledge	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	3	0	B	4	\$15,000	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-39	Alamanda Indian Harbour Beach	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	3	0	B	3	\$12,507	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-40	River Shore 1848 Indialantic	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	3	0	B	3	\$31,751	Not provided	DEP	Not provided	S0648

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Brevard County	DEP	BC-41	River Shore 1925 Indialantic	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	7	1	B	7	\$12,507	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-42	Cedar Lane Indialantic	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	6	1	B	4	\$12,507	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-43	Riverview 9856 Indialantic	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	9	1	B	6	\$15,000	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-44	Riverview 9864 Indialantic	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	202	33	B	99	\$15,000	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-45	Oak Ridge Indialantic	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	257	39	B	127	\$15,000	Not provided	DEP	Not provided	S0648
Brevard County	SOIRL	BC-46	Kingsmill-Aurora Phase 2	Not provided.	Wet Detention Pond	Planned	TBD	4,059	1,590	B	1,220	\$1,600,000	\$1,000	SOIRL	TBD	N/A
Brevard County	NA	BC-47	Sediment Trap, Grated Inlet Basket, Inlet Weir Cleaning	Not provided.	BMP Clean Out	Underway	Not provided	TBD	TBD	B	N/A	\$392,105	\$250,000	Not provided	\$250,000	N/A
Brevard County	DEP	BC-48	Merritt Ridge 3A	Alum pond.	Floating Islands/ MAPS	Completed	Not provided	138	27	B	32	\$100,362	Not provided	DEP/ County	Not provided	G0430
Brevard County	DEP	BC-49	Lake George	Construction of regional wet detention pond.	Wet Detention Pond	Completed	2017	505	51	B	719	\$51,200	Not provided	DEP/ County	Not provided	LP852
Brevard County	Not provided	BC-50	Wickham Park	Provided treatment volume is .17 ac-ft.	Stormwater Reuse	Completed	2010	75	5	B	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-51	Ellington Park	Construction of wet detention pond	Stormwater Reuse	Completed	2005	409	87	B	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-52	Rockledge Barton Park Reuse	Barton Park Pond was constructed by Rockledge. Brevard Parks	Stormwater Reuse	Completed	2009	262	24	B	Not provided	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				withdraws water for irrigation for Rockledge Park.												
Brevard County	Not provided	BC-53	Florida Blvd. Pond	Construction of wet detention pond.	Wet Detention Pond	Completed	2002	545	185	B	88	\$350,384	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-54	McGiver South	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	6	1	B	3	\$12,507	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-55	651 Franklyn	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	15	2	B	14	\$12,507	Not provided	DEP	Not provided	S0648
Brevard County	Not provided	BC-56	Fountainhead	Removing vegetation from wet detention pond.	Aquatic Vegetation Harvesting	Completed	2014	401	65	B	125	\$39,274	Not provided	Not provided	Not provided	N/A
Brevard County	DEP	BC-57	Fiske	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	317	56	B	126	\$12,507	Not provided	DEP	Not provided	S0648
Brevard County	Not provided	BC-58	Street Sweeping	Monthly street sweeping.	Street Sweeping	Underway	N/A	110	71	A	N/A	Not provided	Not provided	County	Not provided	N/A
Brevard County	N/A	BC-59	Baffle Box/Sediment Trap Cleaning	Quarterly baffle box/ sediment trap cleaning.	BMP Clean Out	Underway	2015	Not provided	Not provided	A	N/A	\$250,000	\$250,000	County	\$250,000	N/A
Brevard County	DEP	BC-60	Huntington Road	Not provided.	Floating Islands/MAPS	Completed	2016	520	47	A	355	\$45,788	\$9,998	DEP/County	Not provided	G0430
Brevard County	DEP	BC-61	Port St. John C	Not provided.	Floating Islands/MAPS	Completed	2016	62	11	B	20	\$14,062	\$3,071	DEP/County	Not provided	G0430
Brevard County	DEP	BC-62	Shoreview Cir.	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	Not provided	Not provided	B	Not provided	Not provided	Not provided	DEP	Not provided	S0648
Brevard County	DEP	BC-63	Granada West	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	Not provided	Not provided	B	Not provided	Not provided	Not provided	DEP	Not provided	S0649

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Brevard County	DEP	BC-64	Shoreview Lane	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	Not provided	Not provided	B	Not provided	Not provided	Not provided	DEP	Not provided	S0650
Brevard County	DEP	BC-65	Sunset Park North	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	Not provided	Not provided	B	Not provided	Not provided	Not provided	DEP	Not provided	S0651
Brevard County	DEP	BC-66	Oak Street	Upgrading 1st-generation to 2nd-generation baffle box by adding nutrient-separating screen.	Baffle Box – Type 1 retrofit	Completed	Not provided	Not provided	Not provided	B	Not provided	Not provided	Not provided	DEP	Not provided	S0652
Brevard County	DEP	BC-67	Fountainhead Advanced Denitrification	Not provided.	Denitrification	Planned	TBD	TBD	TBD	B	235	\$284,320	Not provided	DEP	Not provided	LP05115
Brevard County	DEP	BC-68	Multiple Ditch Outfall Denitrification D1	Not provided.	Denitrification	Planned	TBD	TBD	TBD	A and B	Not provided	\$3,496,838	Not provided	DEP	Not provided	LP0511A
Brevard County	DEP	BC-69	Multiple Ditch Outfall Denitrification D4	Not provided.	Denitrification	Planned	TBD	TBD	TBD	B	Not provided	\$2,140,000	Not provided	DEP	Not provided	LP0511A
Brevard County	Not provided	BC-70	Otter Creek Basin D4	Not provided.	Denitrification	Planned	TBD	TBD	TBD	B	Not provided	\$130,000	Not provided	Not provided	Not provided	N/A
Brevard County	SJRWMD	BC-71	Suntree In-Channel Denitrification D4	Not provided.	Denitrification	Planned	TBD	TBD	TBD	B	Not provided	\$71,000	Not provided	SJRWMD	Not provided	N/A
Brevard County	DEP	BC-72	Multiple Ditch Outfall Denitrification D5	Not provided.	Denitrification	Planned	TBD	TBD	TBD	unknown	Not provided	\$927,858	Not provided	DEP	Not provided	LP0511A
Brevard County	SOIRL	BC-73	EauGallie Area Muck Dredging	Not provided.	Muck Removal/ Restoration Dredging	Ongoing	TBD	TBD	TBD	B	Not provided	\$26,250,000	NA	SOIRL	\$26,250,000	N/A
Brevard County	Not provided	BC-74	Flounder Creek Pond Denitrification Retrofit	Not provided.	Denitrification	Planned	TBD	TBD	TBD	A	320	\$180,000	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-75	Huntington Creek Pond Denitrification Retrofit	Not provided.	Denitrification	Planned	TBD	TBD	TBD	A	355	\$180,000	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-77	Merritt Ridge 2B D2	Not provided.	Swale	Completed	Not provided	Not provided	Not provided	B	2	\$45,000	Not provided	Not provided	Not provided	N/A
Brevard County	Not provided	BC-78	Merritt Ridge 2E D2	Not provided.	Pond	Planned	TBD	TBD	TBD	B	Not provided	\$720,000	Not provided	Not provided	Not provided	N/A
Brevard County	Rockledge/ SOIRL	BC-79	Breeze Swept Septic to Sewer	SOIRLP-01.	Wastewater Service Area Expansion	Completed	2017	Not provided	Not provided	B	Not provided	Not provided	Not provided	City/ SOIRL	\$880,530	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Brevard County	Not provided	BC-80	Wickham Park Solar Bee	Not provided.	Denitrification	Planned	TBD	TBD	TBD	B	TBD	TBD	TBD	TBD	TBD	N/A
Brevard County	All Cities	BC-81	Education Efforts	Fertilizer video, rain barrel workshops, Facebook page, bus wrap, billboard.	Education Efforts	Underway	N/A	N/A	N/A	A and B	N/A	\$50,000	TBD	SOIRL	\$50,000	N/A
Brevard County	Cocoa/ SOIRL	BC-82	Stormwater Project – NIRL – Cocoa – Church St Type II Baffle Box	SOIRLP-14.	Baffle Box – 2nd generation	Planned	2018	TBD	TBD	B	75	\$20,856	Not provided	SOIRL/ City	\$20,856	NF025
Brevard County	Titusville/ SOIRL	BC-83	Stormwater Project – NIRL – Titusville – St. Teresa Basin	SOIRLP-19.	Baffle Box – 2nd generation	Planned	2019	TBD	TBD	A	758	\$272,800	Not provided	SOIRL/ City	\$272,800	N/A
Brevard County	Titusville/ SOIRL	BC-84	Stormwater Project – NIRL – Titusville – South St Basin	SOIRLP-20.	Baffle Box – 2nd generation	Planned	2019	TBD	TBD	A	202	\$86,856	Not provided	SOIRL/ City	\$86,856	NF025
Brevard County	Titusville/ SOIRL	BC-85	Stormwater Project – NIRL – Titusville – La Paloma Basin	SOIRLP-21.	Baffle Box – 2nd generation	Planned	2019	TBD	TBD	A	555	\$208,296	Not provided	SOIRL/ City	\$208,296	N/A
Brevard County	Melbourne/ SOIRL	BC-86	Stormwater Project – NIRL – Melbourne – Cliff Creek Baffle Box	SOIRLP-34.	Baffle Box – 2nd generation	Planned	2019	TBD	TBD	B	515	\$347,781	Not provided	SOIRL/ City	\$347,781	N/A
Brevard County	Melbourne/ SOIRL	BC-87	Stormwater Project – NIRL – Melbourne – Thrush Dr. Baffle Box	SOIRLP-35.	Baffle Box – 2nd generation	Planned	2019	TBD	TBD	B	423	\$322,200	Not provided	SOIRL/ City	\$322,200	N/A
Brevard County	Not provided	BC-88	Septic Removal – NIRL-MIRA	SOIRLP-44.	Septic Tank Phase Out	Underway	2020	TBD	N/A	B	Not provided	\$2,130,852	Not provided	SOIRL	\$2,130,852	N/A
Brevard County	Titusville/ SOIRL	BC-89	WWTF Upgrade – NIRL-Titusville	SOIRLP-02	WWTF Upgrade	Planned	2022	TBD	N/A	A	Not provided	\$8,000,000	Not provided	SOIRL/ City	\$8,000,000	N/A
Brevard County	Melbourne/ SOIRL	BC-90	Stewart Rd. Dry Retrofit	Stormwater Project – CIRL – Melbourne, SOIRLP-39.	Dry Detention Pond	Planned	2020	TBD	TBD	B	Not provided	\$18,344	Not provided	SOIRL/ City	\$18,344	N/A
Brevard County	SOIRL	BC-91	Kingsmill Aurora Phase II	Construction of 5-ac pond with weirs, drop structures, etc.	Wet Detention Pond	Underway	2019	6,264	814.0	A	1,213	\$990,000	N/A	SOIRL/BC	Not provided	N/A
Brevard County	N/A	BC-92	Baffle Box/Sediment Trap Cleaning	Increasing clean out frequency to quarterly.	BMP Clean Out	Completed	N/A	1	1.0	A	N/A	Not provided	\$276,303	County	Not provided	N/A
City of Cocoa	Rockledge/ SOIRL	CC-01	Bracco Pond B	SOIRLP-01.	Wet Detention Pond	Completed	2014	2,328	1,050	B	592	\$250,000	Not provided	City	Not provided	N/A
City of Cocoa	Not provided	CC-02	Bracco Expansion Area	Provide community with park along ponds.	Wet Detention Pond	Completed	2014	156	42	B	775	\$570,762	Not provided	City	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Cocoa	SJRWMD	CC-03	Cocoa Village Park	Dry detention pond that is part of redevelopment project of Cocoa Village Park and Riverwalk Esplanade areas.	Dry Detention Pond	Completed	2018	37	7	A and B	14	\$330,000	Not provided	City/ SJRWMD	Not provided	WM736
City of Cocoa	Rockledge/ SOIRL	CC-04	Morris Pond	Joint project with City of Rockledge to accommodate previously untreated runoff.	Wet Detention Pond	Completed	2014	128	47	B	16	\$247,480	Not provided	City	Not provided	N/A
City of Cocoa	Titusville/ SOIRL	CC-05	North Brevard Ave. Stormwater Treatment Facility	Not provided.	CDS Unit	Completed	2014	0	5	A	11	Not provided	Not provided	City	Not provided	N/A
City of Cocoa	Titusville/ SOIRL	CC-06	North Fiske Stormwater Retention Facility	Not provided.	100 % Onsite Retention	Completed	2014	42	2	A	34	\$330,000	Not provided	City	Not provided	N/A
City of Cocoa	Titusville/ SOIRL	CC-07	Suntree Baffle Box #1	Capture previously untreated runoff.	Baffle Box – 2nd generation	Completed	2014	7	1	A	6	\$80,000	Not provided	City	Not provided	N/A
City of Cocoa	Melbourne/ SOIRL	CC-08	Street Sweeping	Not provided.	Street Sweeping	Underway	N/A	4,027	2,582	B	N/A	\$80,000	Not provided	City	Not provided	N/A
City of Cocoa	Melbourne/ SOIRL	CC-09	Bracco Supplemental Water Supply	Joint project with WWTP to provide reclaimed water.	Reclaimed Water	Completed	2014	1,102	108	B	Not provided	1,200,000	Not provided	City	Not provided	N/A
City of Cocoa	Not provided	CC-10	Diamond Square Stormwater Improvements	Not provided.	Wet Detention Pond	Completed	2011	108	0	B	95	\$210,000	Not provided	City	Not provided	N/A
City of Cocoa	Titusville/ SOIRL	CC-11	Education Efforts	Fertilizer ordinance.	Education Efforts	Underway	N/A	128	26	A	N/A	Not provided	Not provided	City	Not provided	N/A
City of Cocoa	Melbourne/ SOIRL	CC-12	Peachtree St. Reconstruction	Roadway and stormwater improvements.	Other Structural BMP	Completed	2016	Not provided	Not provided	B	Not provided	\$1,700,000	Not provided	City/ FDOT	Not provided	N/A
City of Cocoa	Not provided	CC-13	Cocoa Riverfront Park	Amphitheatre and stormwater improvements.	Other Structural BMP	Completed	2016	Not provided	Not provided	B	Not provided	\$162,000	Not provided	City	Not provided	N/A
City of Cocoa	Not provided	CC-14	Control Gate	Flood-control gate installed at Bracco Pond outfall.	Control Structure	Completed	2016	Not provided	Not provided	B	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Cocoa	FDOT	CC-15	Florida Ave. Improvements	Infiltration through pervious pavers and then ultimately to AT&T pond.	BMP Treatment Train	Underway	TBD	TBD	TBD	B	7	\$2,400,000	Not provided	City/ FDOT	Not provided	N/A
City of Cocoa	SJRWMD	CC-16	AT&T Detention Pond Retrofit	Incoming inlets will have 2nd-generation baffle boxes.	BMP Treatment Train	Underway	TBD	TBD	TBD	B	12	\$207,641	Not provided	City/ SJRWMD	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Cocoa	SJRWMD	CC-17	Church St. Baffle Box	Project goal is to capture and treat stormwater that flows untreated and directly into IRL.	Baffle Box	Planned	TBD	TBD	TBD	B	TBD	\$173,620	\$3,000	City/ SJRWMD	Not provided	N/A
City of Cocoa	TBD	CC-18	John Garren St. Realignment and Parking	Roadway and stormwater improvements.	BMP Treatment Train	Planned	TBD	TBD	TBD	B	TBD	\$500,000	\$2,000	TBD	TBD	N/A
City of Cocoa	TBD	CC-19	Brevard Ave. Bioretention and Tree Preservation	Roadway and stormwater improvements.	BMP Treatment Train	Planned	TBD	TBD	TBD	B	TBD	\$500,000	\$2,000	TBD	TBD	N/A
City of Cocoa	TBD	CC-20	US Hwy. 1 and Forrest Ave. Stormwater Treatment Facility	Develop dry detention stormwater facility adjacent to US 1.	Dry Detention Pond	Planned	TBD	TBD	TBD	A	10	TBD	TBD	City	TBD	N/A
City of Edgewater	Not provided	EW-1	Education Efforts	FYN; landscape, irrigation, fertilizer, and pet waste ordinances; PSAs; pamphlets; website, Illicit Discharge Program.	Education Efforts	Underway	N/A	84	11	A	N/A	Not provided	\$15,000	Not provided	Not provided	N/A
City of Melbourne	N/A	MEL-01	Fee and Apollo Drainage Improvements	No treatment is provided in existing development; complete water quality addition.	Wet Detention Pond	Completed	2010	28	79	B	44	\$525,161	Not provided	City	Not provided	N/A
City of Melbourne	N/A	MEL-02	Dove St. Pond	No treatment is provided in existing development; complete water quality addition.	Wet Detention Pond	Completed	2003	69	31	B	15	\$156,164	Not provided	City	Not provided	N/A
City of Melbourne	N/A	MEL-03	Charles Dr. Pipe Replacement	Replaced failing stormwater pipe and created wet detention pond; little to no treatment is provided in existing developments.	Wet Detention Pond	Completed	2010	183	162	B	143	\$462,644	Not provided	City	Not provided	N/A
City of Melbourne	N/A	MEL-04	Wickham Park Pond	Ponds along with piping upgrades help eliminate flooding in area	Wet Detention Pond	Completed	2004	627	248	B	1,797	\$250,000	Not provided	City	\$250,000	N/A

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				along with treatment.												
City of Melbourne	N/A	MEL-05	Babcock St. Realignment	Additional treatment was provided for adjacent drainage basins.	Retention BMP	Completed	2005	163	42	B	42	\$1,757,186	Not provided	City	Not provided	N/A
City of Melbourne	N/A	MEL-06	Garfield St. Ponds – Lot 12 (North)	2 small dry detention ponds in existing subdivision (with MEL-7).	Dry Detention Pond	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Melbourne	N/A	MEL-07	Garfield St. Ponds – Lot 24 (South)	2 small dry detention ponds in existing subdivision (with MEL-6).	Dry Detention Pond	Canceled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Melbourne	N/A	MEL-08	Education Efforts	Irrigation, fertilizer, pet waste management, and landscaping ordinances; pamphlets, presentations, website, Illicit Discharge Program.	Education Efforts	Completed	N/A	2,583	587	B	N/A	Not provided	Not provided	City	Not provided	N/A
City of Melbourne	N/A	MEL-09	Street Sweeping	Street sweeping in basin and debris removal.	Street Sweeping	Underway	N/A	507	325	B	N/A	Not provided	Not provided	City	Not provided	N/A
City of Melbourne	DEP	MEL-10	Autumn Woods	Construction of wet detention pond for water quality treatment.	Wet Detention Pond	Completed	2016	Not provided	Not provided	B	57	\$879,220	Not provided	City/ DEP	Not provided	LP05094
City of Melbourne	N/A	MEL-11	Participation in FYN	Future participation in FYN Program.	Education Efforts	Underway	N/A	2,583	587	B	N/A	Not provided	Not provided	City	Not provided	N/A
City of Melbourne	DEP	MEL-12	South Croton Baffle Box	Dry retention and baffle box.	BMP Treatment Train	Completed	2017	133	32	B	15	\$487,296	Not provided	City/ DEP	\$191,100	LP05092
City of Melbourne	DEP	MEL-13	Bell Street Baffle Box	Construction of new baffle box.	Baffle Box – 2nd Generation with Media Filter	Completed	2017	1,877	467	B	127	\$300,000	Not provided	City/ DEP	\$517,050	LP05093
City of Melbourne	N/A	MEL-14	Paradise Baffle Box	Retrofit existing baffle box to upgrade to 2nd generation.	Baffle Box – 2nd Generation with Media Filter	Completed	2016	126	17	B	126	\$19,000	Not provided	City	\$19,000	N/A
City of Melbourne	DEP	MEL-15	Garfield North Baffle Box	Construction of new baffle box.	Baffle Box – 2nd Generation with Media Filter	Completed	2017	993	244	B	67	\$350,000	Not provided	City/ DEP	See MEL-13	LP05093

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City of Melbourne	DEP	MEL-16	Garfield South Baffle Box	Construction of new baffle box.	Baffle Box – 2nd Generation with Media Filter	Completed	2017	176	43	B	12	\$150,000	Not provided	City/ DEP	See MEL-13	LP05093
City of Melbourne	DEP	MEL-17	Sherwood Stormwater Quality Project	Construction of new wet detention pond for subdivision without any treatment.	Wet Detention Pond	Underway	2019	TBD	TBD	B	246	\$2,168,800	Not provided	City/ DEP	\$400,000	NS013
City of Melbourne	SJRWMD	MEL-18	Croton Rd. (Lime) Baffle Box	Installation of baffle box.	Baffle Box – 2nd Generation with Media Filter	Completed	2016	149	35	B	70	Not provided	Not provided	City/SJRWMD	\$153,615	N/A
City of Melbourne	N/A	MEL-19	Young St. Existing Baffle Box Upgrade	Upgrade existing 1st-generation baffle boxes to 2nd-generation baffle boxes with BAM.	Baffle Box – 2nd Generation with Media Filter	Completed	2016	39	5	B	7	\$20,000	Not provided	City	\$20,000	N/A
City of Melbourne	SOIRL	MEL-20	Thrush Dr. Baffle Box	Baffle box – 2nd generation with media filter.	Baffle Box – 2nd Generation with Media Filter	Planned	TBD	TBD	TBD	B	422	\$450,000	Not provided	City/ SOIRL	\$322,200	N/A
City of Melbourne	SOIRL	MEL-21	Cliff Creek Baffle Box	Baffle box – 2nd generation with media filter.	Baffle Box – 2nd Generation with Media Filter	Underway	TBD	TBD	TBD	B	515	\$450,000	Not provided	City/ SOIRL	\$347,781	N/A
City of Melbourne	SOIRL	MEL-22	Riverside Dr. Septic to Sewer Conversion	Providing for 12 lots to be converted to municipal sewer.	Wastewater Service Area Expansion	Underway	TBD	TBD	TBD	B	TBD	\$215,000	Not provided	City/ SOIRL	\$265,960	N/A
City of Melbourne	SOIRL	MEL-23	Leewood Forest Wetland and Baffle Box	Proposed project consists of construction of wetland treatment area and baffle box to provide stormwater quality treatment.	Wetland Treatment	Planned	TBD	TBD	TBD	B	150	\$2,590,000	Not provided	City/ SOIRL	TBD	N/A
City of Melbourne	N/A	MEL-24	South Sarno Drainage Improvements	Retrofit existing ditch system to include dry detention shelves.	Dry Detention Pond	Completed	2015	Not provided	Not provided	B	1,475	\$2,227,000	Not provided	City	\$2,227,000	N/A
City of Melbourne	N/A	MEL-25	Sarno Rd. Turn Lane	Dry detention above needs for turn lane construction.	Dry Detention Pond	Underway	2018	TBD	TBD	B	7	\$560,000	Not provided	City	\$560,000	N/A
City of Melbourne	SOIRL	MEL-26	Apollo/GA Baffle Box	2nd-generation baffle box with BAM.	Baffle Box – 2nd Generation	Planned	2019	TBD	TBD	B	854	\$825,000	Not provided	City/ SOIRL	\$297,522	N/A
City of Melbourne	SOIRL	MEL-27	Stewart Rd. Water Quality Project	Installation of BAM filter box on existing culvert.	BAM	Planned	2020	TBD	TBD	B	36	\$435,000	Not provided	City/ SOIRL	\$18,344	N/A

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City of Rockledge	SOIRL	ROCK-01	Orange Ave. Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2009	16	2	B	10	\$8,600	\$2,555	Not provided	Not provided	N/A
City of Rockledge	SOIRL	ROCK-02	Barton Ave. Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2009	35	5	B	27	\$9,350	\$2,555	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-03	Hardee Cir. Baffle Box	Not provided.	Baffle Box – 2nd generation	Completed	2009	16	2	B	15	\$43,420	\$2,555	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-04	Rockledge Ave. Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2004	73	14	B	41	Not provided	\$3,682	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-05	Bougainvillea Dr. Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2000	104	18	B	36	\$29,495	\$2,566	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-06	Park Ave. Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2007	9	1	B	13	\$52,529	\$2,555	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-07	Little John Lane Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2004	16	2	B	12	\$60,000	\$2,555	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-08	Fernwood Dr. Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	Not provided	14	2	B	13	\$55,750	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-09	Valencia Dr. Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2008	38	6	B	23	\$58,960	\$2,555	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-10	Knollwood Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2002	26	3	B	24	\$68,248	\$3,682	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-11	Sutton St. Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2011	9	1	B	8	Not provided	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-12	River Groves Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2011	5	0	B	7	Not provided	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-13	Summer Place Baffle Box	Not provided.	Baffle Box – 2nd Generation	Completed	2011	7	1	B	10	Not provided	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-14	Sweet St. Swale	Not provided.	Swales	Completed	2011	38	5	B	8	Not provided	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-15	Community Park of Rockledge Regional Facility Phase 1	Not provided.	Wet Detention Pond	Completed	2004	5	1	B	26	\$50,000	\$23,974	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-16	Pineland Park Unit Three	Not provided.	Wet Detention Pond	Completed	2009	1	0	B	54	\$100,000	\$6,234	Not provided	Not provided	N/A
City of Rockledge	DEP	ROCK-17	Barton Park Regional Detention System	Not provided.	Wet Detention Pond	Completed	2010	2,823	1,249	B	757	\$2,600,000	\$40,000	DEP	Not provided	S0538
City of Rockledge	Not provided	ROCK-18	Florida Ave. Stormwater Facility	Not provided.	Wet Detention Pond	Completed	2010	76	50	B	25	\$435,000	\$40,950	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-19	Police Dept. Pond	Not provided.	Wet Detention Pond	Completed	2010	16	5	B	39	\$350,000	\$7,035	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-20	Huntington Lakes I	Not provided.	Wet Detention Pond	Completed	2014	1	0	B	37	\$950,000	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-21	Street Sweeping	Not provided.	Street Sweeping	Underway	N/A	498	319	B	N/A	Not provided	\$54,000	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-22	Treatment Missing from Model	Wet detention ponds – missing from model.	Monitoring/ Data Collection	Completed	1999	1,248	477	B	383	Not provided	Not provided	Not provided	Not provided	N/A

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City of Rockledge	Not provided	ROCK-23	Education Efforts	Irrigation, fertilizer, pet waste management, and landscaping ordinances; pamphlets, presentations, website, Illicit Discharge Program; video "Know Your Waterways."	Education Efforts	Underway	N/A	1,541	347	B	N/A	\$7,385	\$0	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-24	Huntington Lakes II	Once project is completed it will provide treatment to some of basin that leads into ROCK-17.	Wet Detention Pond	Completed	2016	Not provided	Not provided	B	134	\$900,000	\$15,000	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-25	Aquatic Harvesting	Data is collected by location in yards; determining method to convert to dry weight.	Aquatic Vegetation Harvesting	Completed	Not provided	Not provided	Not provided	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-26	Breeze Swept Septic Phase Out	Estimates will be calculated using latest version of ArcNLET for septic tank phase out.	Wastewater Service Area Expansion	Completed	2017	TBD	TBD	B	Not provided	\$3,700,000	\$20,000	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-27	River Ridge Nondischarge	Nondischarge dry retention basin.	100 % Onsite Retention	Completed	Not provided	190	39	B	35	Not provided	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-28	Southwest Gus Hipp Conveyance	Add BAM for denitrification to major canal in city.	BMP Treatment Train	Underway	2018	TBD	TBD	B	TBD	\$17,000	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-29	Gus Hipp Pond	Convert borrow pit to wet detention pond.	Wet Detention Pond	Planned	TBD	TBD	TBD	B	TBD	\$335,000	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-30	Public Works Pond 1	Enlarge current retention area.	Dry Detention Pond	Completed	2017	4	1	B	6	\$5,000	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-31	Public Works Pond 2	Enlarge current retention area.	Dry Detention Pond	Completed	2017	13	3	B	7	\$10,000	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-32	School Triangle Pond	Create dry detention pond on city-owned land.	Dry Detention Pond	Completed	2017	2	0	B	1	\$20,300	Not provided	Not provided	Not provided	N/A
City of Rockledge	Not provided	ROCK-33	Barton Park Irrigation	Use wet pond (Barton Lake) for irrigation.	Stormwater Reuse	Planned	TBD	TBD	TBD	B	TBD	TBD	TBD	TBD	TBD	N/A

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City of Rockledge	Not provided	ROCK-34	Winchester Cove Nondischarge	Nondischarge dry retention basin.	100 % Onsite Retention	Completed	Not provided	13	2	B	2	Not provided	Not provided	Not provided	Not provided	N/A
City of Titusville	Brevard County	TV-01	Area 1 Stormwater Improvements	Upsize existing storm pipes and enclose Florida Ditch; water directed to TV-02.	Wet Detention Pond	Completed	2010	1,019	412	A	432	\$2,151,510	\$4,797	City/ Brevard County	City – \$1,410,072 County – \$470,000	N/A
City of Titusville	Brevard County/ Parrish Medical Center (PMC)/ Brevard Community College (BCC)/ SJRWMD	TV-02	Chain of Lakes Regional Stormwater Pond	Construct regional park featuring wetlands, treatment ponds, and recreational features.	Regional Stormwater Treatment	Completed	2010	360	160	A	340	3,521,489	\$15,620	City/ Brevard County/ SJRWMD/ PMC/ Brevard Community College	City – \$1,210,013 County – \$1,910,709 SJRWMD – \$577,145 PMC: \$350,000 BCC – \$217,500	N/A
City of Titusville	DEP/ SJRWMD	TV-03	Draa Field Stormwater Park	Water quality treatment for Area 2 drainage basin.	Wet Detention Pond	Completed	2016	771	312	A	105	\$1,810,000	\$15,000	DEP/ SJRWMD/ Florida Legislature/ City	DEP – \$388,825 SJRWMD – \$366,000 Florida Legislature – \$800,000 City – \$255,000	G0416
City of Titusville	DEP/ SJRWMD	TV-04	St. Johns Basin Stormwater Improvements	Construct 3.5-ac wet detention pond to treat runoff from mixed use lands prior to discharge to lagoon.	Wet Detention Pond	Completed	2014	317	1,156	A	882	\$2,024,000	\$8,000	DEP/ Brevard County/ City	DEP – \$681,563 County – \$141,655 City – \$1,314,625	S0338
City of Titusville	DEP/ SJRWMD	TV-05	St. Johns Basin Stormwater Improvements	Install baffle box downstream of pond to treat runoff from mixed use lands prior to discharge to lagoon.	Baffle Box – 2nd generation	Completed	2011	1,510	216	A	882	\$167,343	\$8,000	DEP/City	DEP – \$100,000 City – \$67,343	S0338
City of Titusville	DEP/ SJRWMD/ FCT/ Florida Recreation Development Assistance Program (FRDAP)/ FDOT	TV-06	Spaceview Park	Alum treatment.	Alum Treatment	Completed	2007	1,153	378	A	111	\$2,727,394	\$15,000	DEP/ SJRWMD/ FCT/ FRDAP/ FDOT/ City	DEP – \$981,151 SJRWMD – \$83,600 FCT – \$228,375 FRDAP – \$103,956 FDOT – \$72,19 City – \$1,258,116	G0053
City of Titusville	N/A	TV-07	Education Efforts	Irrigation, fertilizer, pet waste management, and landscaping	Education Efforts	Underway	N/A	1,522	292	A	N/A	N/A	\$5,000	City	N/A	N/A

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				ordinances; pamphlets, presentations, website, Illicit Discharge Program.												
City of Titusville	N/A	TV-08	Street Sweeping	2,995,362 lbs of debris removed in North A during reporting period.	Street Sweeping	Underway	N/A	1,687	1,082	A	N/A	\$188,120	\$63,106	City	Not provided	N/A
City of Titusville	N/A	TV-09	Education Efforts	Irrigation, fertilizer, pet waste management, and landscaping ordinances; pamphlets, presentations, website, Illicit Discharge Program.	Education Efforts	Underway	N/A	56	6	B	N/A	N/A	\$5,000	City	N/A	N/A
City of Titusville	N/A	TV-10	Street Sweeping	307,132 lbs of debris removed from North B during reporting period.	Street Sweeping	Underway	N/A	173	111	B	N/A	\$188,120	\$63,106	City	Not provided	N/A
City of Titusville	N/A	TV-11	Senior Center Pond Floating Islands	Floating islands in wet detention pond.	Floating Islands/ MAPS	Completed	2015	719	87	A	624	\$52,536	\$43,720	City	\$52,536	N/A
City of Titusville	DEP	TV-12	Senior Center Ponds Littoral Zone Plantings	Littoral vegetation plantings around existing wet detention pond.	BMP Treatment Train	Completed	2016	189	90	A	414	\$50,000	\$2,000	DEP/ City	DEP – \$21,144.31 City – \$14,720.89	G0433
City of Titusville	DEP	TV-13	Royal Oak Littoral Zone Plantings	Littoral vegetation plantings around an already existing wet detention pond.	BMP Treatment Train	Completed	2016	79	19	A	123	\$50,000	\$2,000	DEP/ City	DEP – \$21,144.31 City – \$14,720.89	G0433
City of Titusville	DEP	TV-14	Main St. Baffle Box with BAM	2nd-generation baffle box with media.	Baffle Box – 2nd Generation with Media	Underway	2018	TBD	TBD	A	296	\$393,363	\$4,000	DEP/ City	DEP – \$176,376 City – \$216,987	G0442
City of Titusville	DEP	TV-15	Sycamore St. Baffle Box with BAM	2nd-generation baffle box with media.	Baffle Box – 2nd Generation with Media	Underway	2018	TBD	TBD	A	300	\$570,518	\$4,000	DEP/ City	DEP – \$176,376 City – \$394,142	G0442
City of Titusville	N/A	TV-16	Knox Mc Rae Baffle Box	2nd-generation baffle box with media.	Baffle Box – 2nd Generation with Media	Underway	2019	TBD	TBD	A	38	\$225,000	\$4,000	Florida Legislature/ City	Florida Legislature – \$105,000 City – \$120,000	LP05031

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Titusville	TBD	TV-17	Coleman Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	107	TBD	TBD	TBD	TBD	N/A
City of Titusville	SJRWMD/ Brevard County	TV-18	South St. Basin TMDL Improvements	3 2nd-generation baffle boxes with media.	Baffle Box – 2nd Generation with Media	Planned	2019	TBD	TBD	A	235	\$450,000	\$12,000	City/ SJRWMD/ County	City – \$254,144 SJRWMD – \$110,000 County – \$86,856	N/A
City of Titusville	Brevard County	TV-19	St. Theresa Basin TMDL Improvements	2nd-generation baffle box with media.	Baffle Box – 2nd Generation with Media	Planned	2019	TBD	TBD	A	314	\$375,000	\$4,000	City/ County	City – \$102,200 County – \$272,800	N/A
City of Titusville	Brevard County	TV-20	La Paloma Basin TMDL Improvements	2nd-generation baffle box with media.	Baffle Box – 2nd Generation with Media	Planned	2019	TBD	TBD	A	488	\$375,000	\$4,000	City/ County	City – \$166,704 County – \$208,296	N/A
City of Titusville	TBD	TV-21	Titusville High School (THS) Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	240	TBD	TBD	TBD	TBD	N/A
City of Titusville	TBD	TV-22	Brevard Street Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	18	TBD	TBD	TBD	TBD	N/A
City of Titusville	TBD	TV-23	St. Johns 2nd Baffle Box TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	882	TBD	TBD	TBD	TBD	N/A
City of Titusville	TBD	TV-24	Marina Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	271	TBD	TBD	TBD	TBD	N/A
City of Titusville	TBD	TV-25	Grace Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	18	TBD	TBD	TBD	TBD	N/A
City of Titusville	Private Development	TV-26	Miracle City Basin TMDL Improvements	Baffle Box – 2nd generation.	Baffle Box – 2nd generation	Underway	2018	TBD	TBD	A	2	TBD	\$4,000	Private Development	TBD	N/A
City of Titusville	TBD	TV-27	South Marina Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	323	TBD	TBD	TBD	TBD	N/A
City of Titusville	TBD	TV-28	SR 50 Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	131	TBD	TBD	TBD	TBD	N/A
City of Titusville	TBD	TV-29	Commons Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	4	TBD	TBD	TBD	TBD	N/A
City of Titusville	TBD	TV-30	Broad Street Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	13	TBD	TBD	TBD	TBD	N/A
City of Titusville	TBD	TV-31	Riverview St. Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	7	TBD	TBD	TBD	TBD	N/A
City of Titusville	TBD	TV-32	THS 2 Basin TMDL Improvements	Future project.	TBD	Planned	TBD	TBD	TBD	A	27	TBD	TBD	TBD	TBD	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Titusville	Brevard County	TV-33	Osprey Water Reclamation Nutrient Removal Upgrade	Nitrogen effluent reduction of reclaimed water from 17.9 to 6 mg/L.	WWTF Nutrient Reduction	Planned	2021	TBD	TBD	A	N/A	\$8,000,000	TBD	City/County	TBD	N/A
FDOT District 5	N/A	FDOT-01	Education Efforts	IDDE training, brochures, and NDPEs flyer.	Education Efforts	Completed	N/A	39	11	A	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-02	Street Sweeping	Not provided	Street Sweeping	Underway	N/A	185	119	A	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-03	Fertilizer Cessation	Eliminate fertilizer use along rights-of-way.	Fertilizer Cessation	Completed	2005	595	0	A	-	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-04	70100-3517-01 French Drains	Missing from model. French Drain system along SR 5 from University Blvd. to Aurora Rd.	100 % Onsite Retention	Completed	1996	57	34	B	21	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-05	70100-3544-01 French Drains	Missing from model. Add lanes East of H. Humphrey Bridge to Sykes Creek Parkway.	100 % Onsite Retention	Completed	1995	26	14	B	7	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-06	70020-3501-01 Pond 1	Missing from model. SR 5 – Add lanes and reconstruct from Aurora Rd. to Post Rd.	Wet Detention Pond	Completed	2004	38	22	B	17	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-07	70020-3501-02A Pond 2A	Missing from model. SR 5 – Add lanes and reconstruct from Aurora Rd. to Post Rd.	Wet Detention Pond	Completed	2004	35	19	B	13	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-08	70020-3501-02B Pond 2B	Missing from model. SR 5 – Add lanes and reconstruct from Aurora Rd. to Post Rd.	Wet Detention Pond	Completed	2004	10	5	B	5	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-09	70020-3501-03 Pond 3	Missing from model. SR 5 – Add lanes and reconstruct from Aurora Rd. to Post Rd.	Wet Detention Pond	Completed	2004	18	10	B	8	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDOT District 5	N/A	FDOT-10	70020-3501-04 Pond 4	Missing from model. SR 5 – Add lanes and reconstruct from Aurora Rd. to Post Rd.	Dry Detention Pond	Completed	2004	17	9	B	8	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-11	70020-3549-01 Pond 1	Missing from model. SR 5 – Add lanes and reconstruct from Post Rd. to SR 404.	Wet Detention Pond	Completed	2005	28	14	B	10	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-12	70020-3549-02 Pond 2	Missing from model. SR 5 – Add lanes and reconstruct from Post Rd. to SR 404.	Wet Detention Pond	Completed	2005	34	18	B	19	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-13	70020-3549-03 Pond 3	Missing from model. SR 5 – Add lanes and reconstruct from Post Rd. to SR 404.	Wet Detention Pond	Completed	2005	32	17	B	11	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-14	70020-3549-04 Pond 4	Missing from model. SR 5 – Add lanes and reconstruct from Post Rd. to SR 404.	Wet Detention Pond	Completed	2005	14	7	B	3	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-15	70020-3549-05 Pond 5	Missing from model. SR 5 – Add lanes and reconstruct from Post Rd. to SR 404.	Wet Detention Pond	Completed	2005	11	6	B	3	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-16	70140-3514-01 Pond A	Missing from model. SR 3 – Replace Christa McAuliffe Bridge.	Dry Detention Pond	Completed	1997	4	2	B	2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-17	70140-3514-02 Pond B	Missing from model. SR 3 – Replace Christa McAuliffe Bridge.	Wet Detention Pond	Completed	1997	18	8	B	6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-18	70120-3518-01 Pond 7	Missing from model. SR 518 at SR 513.	Wet Detention Pond	Completed	1984	45	21	B	10	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-19	70008-3505-01 Pond 1	Missing from model. From south of SR 518	Wet Detention Pond	Completed	1992	6	3	B	2	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				(Eau Gallie Causeway) to Banana River Dr..												
FDOT District 5	N/A	FDOT-20	Education Efforts	IDDE training, stormwater brochures, NDPEs flyer.	Education Efforts	Completed	N/A	86	28	B	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-21	Street Sweeping	Street sweeping.	Street Sweeping	Underway	N/A	616	395	B	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	FDOT-22	Fertilizer Cessation	Elimination of fertilizer use along rights-of-way.	Fertilizer Cessation	Completed	2005	1,552	0	B	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
Kennedy Space Center	Not provided	KSC-01	Landscape Fertilizer Reduction	Fertilizer use reduced from 60 tons/yr in 2000 to 20 tons/yr in 2010; formula changed from rapid nitrogen release 16-4-8 to SRN, phosphate-free 15-0-15.	Fertilizer Reduction	Completed	Not provided	312	44	A	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-02	Citrus Grove Termination Roberts Road	Grove lease termination resulted in abandonment of previously fertilized areas.	Fertilizer Reduction	Completed	2010	140	557	A	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-03	Citrus Grove Termination Schwartz Rd.	Grove lease termination resulted in abandonment of previously fertilized areas.	Fertilizer Reduction	Completed	2010	256	308	A	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	N/A	KSC-04	Storage Building L5-0734	Demolition of facility resulted in loss of impervious area and change of land use.	Land Use Change	Completed	2010	0	0	A	N/A	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	N/A	KSC-05	Support Building L5-0683	Demolition of facility resulted in loss of impervious area and change of land use.	Land Use Change	Completed	2010	3	1	A	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-06	Shuttle Landing Facility – Missing from Model	Runoff is captured and treated before discharging to lagoon.	Wet Detention Pond	Completed	Not provided	2,566	1,005	A	618	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-07	Launch Pad 39A	Area is closed basin.	Other Nonstructural BMP	Completed	2014	1,255	326	A	457	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Kennedy Space Center	Not provided	KSC-08	Launch Pad 39B	Area is closed basin.	Other Nonstructural BMP	Completed	2014	3,043	589	A	549	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-09	Schwartz Road Drainage System – missing from model	Closed system that ultimately drains to northwest before discharging to impoundment area adjacent to lagoon.	Impoundment	Completed	2014	1,290	271	A	1,614	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-10	Warehouse/ Processing Area – missing from model	Receives treatment from permitted stormwater treatment systems.	Wet Detention Pond	Completed	2014	75	33	A	15	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-11	Landscape Fertilizer Reduction	Fertilizer use reduced from 60 tons/yr in 2000 to 20 tons/yr in 2010; formula changed from rapid nitrogen release 16-4-8 to SRN, phosphate-free 15-0-15.	Fertilizer Reduction	Completed	Not provided	312	44	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-12	Citrus Grove Termination Jerome Rd. West	Grove lease termination resulted in abandonment of previously fertilized areas.	Fertilizer Reduction	Completed	2010	184	851	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	N/A	KSC-13	Kennedy Athletic and Recreational Social Park II Racquetball Court M6-0328A	Demolition of facility resulted in loss of impervious area and change of land use.	Land Use Change	Completed	2010	1	0	B	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	N/A	KSC-14	Visitor Center Storage Building M6-0503	Demolition of facility resulted in loss of impervious area and change of land use.	Land Use Change	Completed	2010	1	0	B	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	Not provided	KSC-15	Causeway Wetland Mitigation	Missing from model. Existing permitted stormwater treatment pond.	Wet Detention Pond	Completed	2014	8	4	B	13	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	Not provided	KSC-16	Visitors Complex/ NASA Badging Center	Missing from model. Existing permitted stormwater treatment pond.	Wet Detention Pond	Completed	2014	452	169	B	132	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Kennedy Space Center	Not provided	KSC-17	NASA Parkway West	Missing from model. Ditch along south side of NASA Parkway West ends before lagoon.	Swales	Completed	2014	239	101	B	136	Not provided	Not provided	Not provided	Not provided	N/A
Kennedy Space Center	N/A	KSC-18	Demolition of Facility J6-2377	Demolition of facility resulted in loss of impervious area and change of land use	Land Use Change	Completed	2014	1	0	A	0	N/A	N/A	N/A	N/A	N/A
Kennedy Space Center	N/A	KSC-19	Demolition of Facility M5-1546	Demolition of facility resulted in loss of impervious area and change of land use.	Land Use Change	Completed	2014	76	16	B	5	N/A	N/A	N/A	N/A	N/A
Town of Indialantic	Not provided	TI-01	Swales North of US Hwy. 192 Causeway	Not provided-	Swales	Completed	2001	297	52	B	29	Not provided	Not provided	Not provided	Not provided	N/A
Town of Indialantic	Not provided	TI-02	100 % Onsite Retention	Not provided-	Retention BMP	Completed	2001	35	6	B	4	Not provided	Not provided	Not provided	Not provided	N/A
Town of Indialantic	Not provided	TI-03	Education Efforts	Pamphlet, website, and fertilizer ordinance.	Education Efforts	Underway	N/A	18	3	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Town of Indialantic	DEP	TI-04	Lily Park	Stormwater treatment.	Wet Detention Pond	Completed	Not provided	Not provided	Not provided	A	2	\$173,000	\$500	DEP	\$65,000	LP05120
Town of Palm Shores	Not provided	PS-01	Education Efforts	Fertilizer and landscaping ordinances, pamphlets, and presentations.	Education Efforts	Underway	N/A	21	4	B	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Volusia County	Not provided	VC-01	Education Efforts	Irrigation, fertilizer, pet waste management, and landscaping ordinances; pamphlets, presentations, website, Illicit Discharge Program.	Education Efforts	Underway	N/A	588	67	A	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Volusia County	Not provided	VC-02	Roadside Ditch Cleaning	Roadside ditch cleaning.	BMP Clean Out	Underway	Not provided	Not provided	Not provided	A	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Volusia County	Not provided	VC-03	Open Channel Cleaning	Open channel cleaning; digging sediment out of open channels.	BMP Clean Out	Underway	Not provided	Not provided	Not provided	A	Not provided	Not provided	Not provided	Not provided	Not provided	N/A

Lake Jesup BMAP

Background

Lake Jesup is one of the largest lakes in Central Florida and is part of the St. Johns River system. The lake has a surface area of 10,660 acres (16.7 square miles) and drains a watershed of 86,382 acres (135 square miles) (**Figure C-5**).

DEP identified Lake Jesup as impaired for nutrients. In 2006, DEP adopted TMDLs for TP and TN for the lake. The Lake Jesup BMAP was adopted in 2010 to implement the TP TMDL. Because of uncertainties in the nitrogen dynamics in the system, the TN TMDL was not explicitly addressed in the 2010 BMAP; however, many of the actions implemented to address TP also result in TN reductions.

Status of Projects

Through December 31, 2017, 114 projects were completed. An additional 17 projects that are underway or planned were added to the BMAP. The projects completed to date are estimated to achieve total reductions of 57,090 lbs/yr of TN, or 35 % of the reductions needed to meet the TN TMDL allocated to the Lake Jesup Basin. Completed projects completed to date are estimated to achieve total reductions of 8,525 lbs/yr of TP, or 104 % of the reductions needed to meet the TP TMDL.

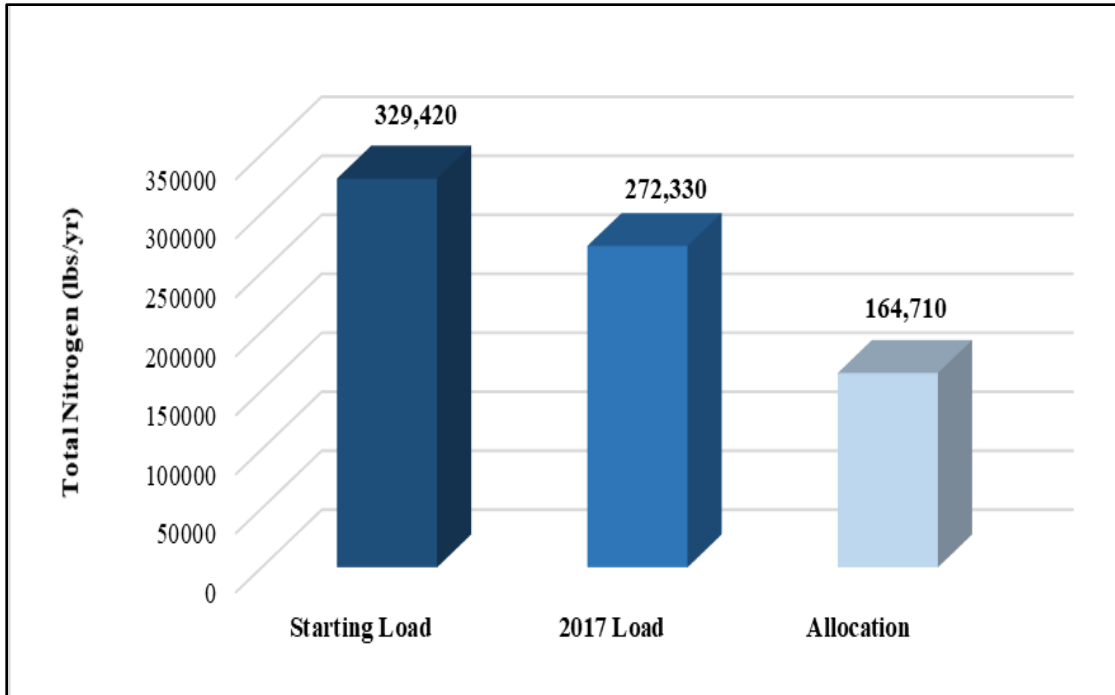


Figure C-11. Estimated progress toward meeting the Phase II Lake Jesup TN TMDL. Reductions are associated with projects completed through December 31, 2017.

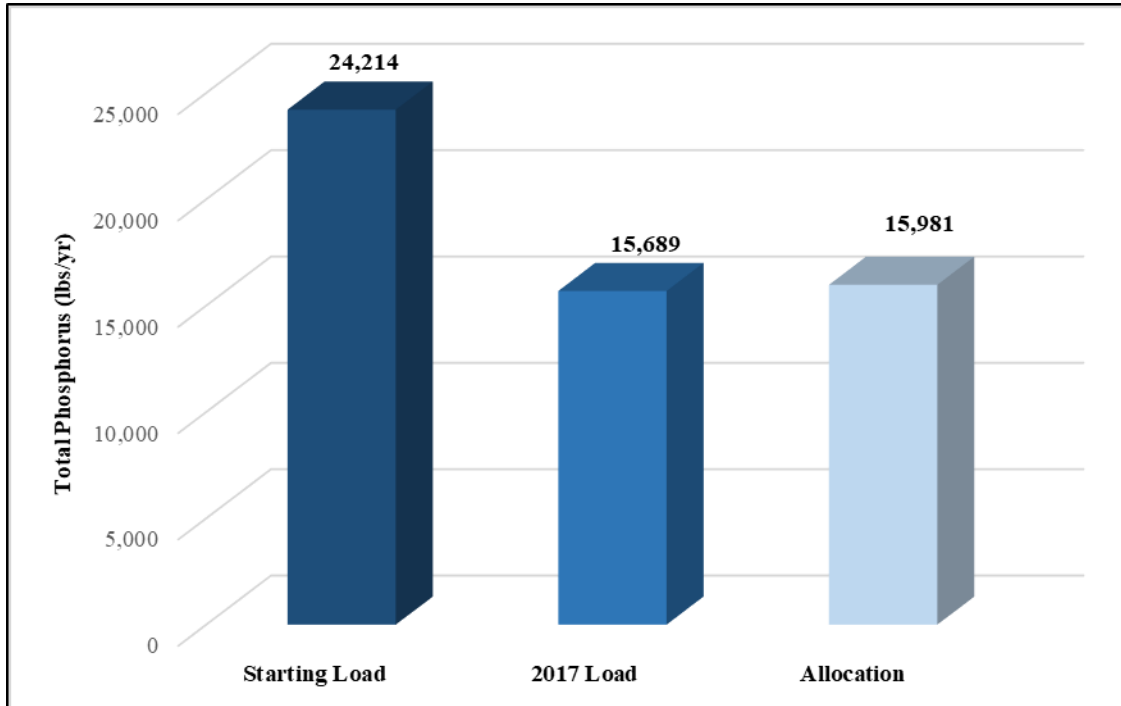


Figure C-12. Estimated progress toward meeting the Phase II Lake Jesup TP TMDL. Reductions are associated with projects completed through December 31, 2017.

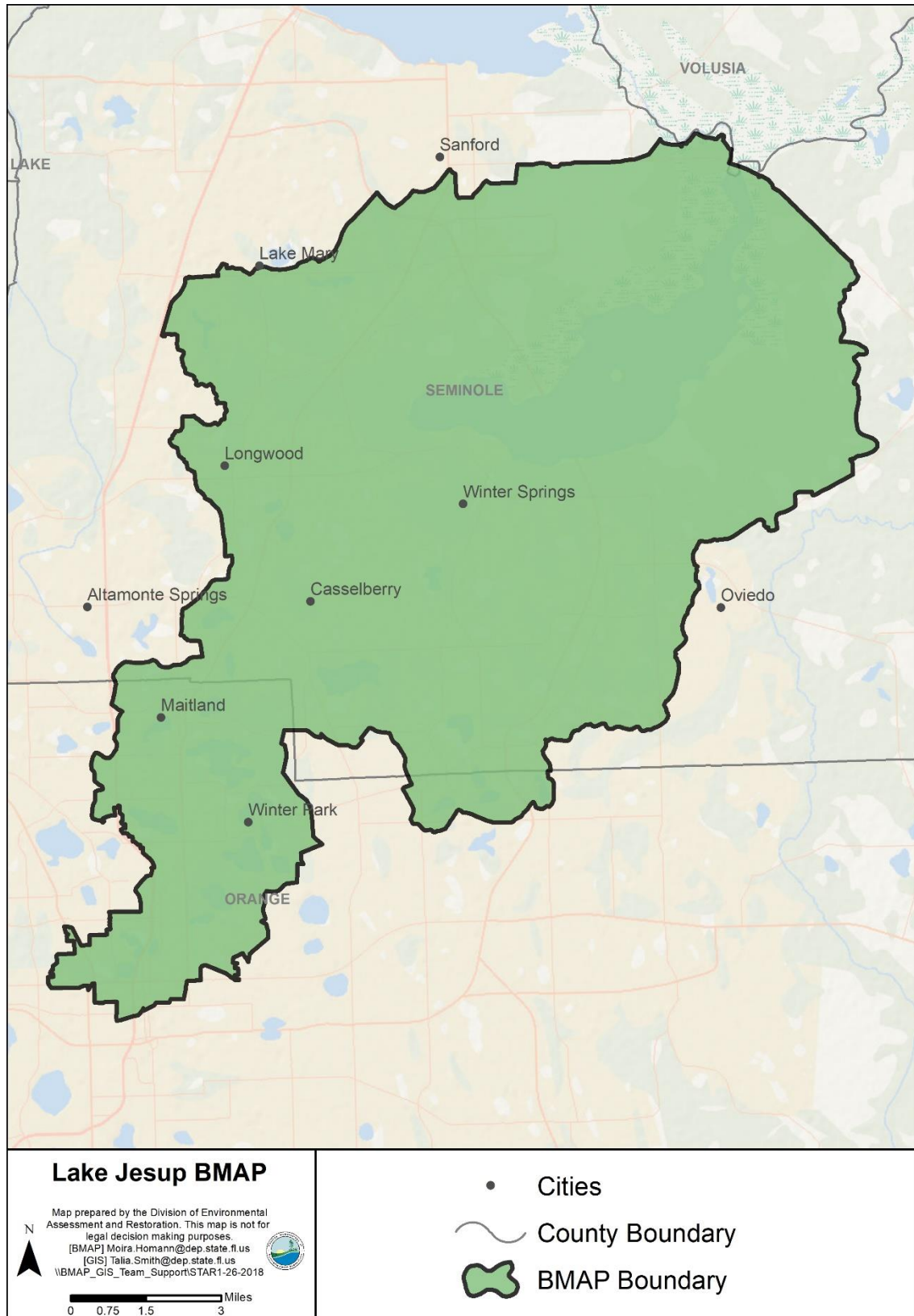


Figure C-13. Lake Jesup BMAP area

Table C-5. Lake Jesup BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Altamonte Springs	N/A	A-02	Street Sweeping	Street sweeping of 4.4 mi, twice monthly.	Street Sweeping	Completed	N/A	35	12	N/A	N/A	N/A	N/A	N/A	N/A
City of Altamonte Springs	Not provided	A-03	Education Efforts	FYN, irrigation and fertilizer ordinances, PSAs, pamphlets, presentations, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	14	1	N/A	Not provided	\$6,000	Stormwater Fee	\$6,000	N/A
City of Altamonte Springs	Not provided	A-04	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	N/A	1	0	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Altamonte Springs	Public/private partners, including Seminole County Public Schools, Seminole State College, UCF, and DEP	A-05	Altamonte Springs Science Incubator (AS2I)	AS2I is innovative program that promotes career readiness in high-tech, high demand fields of science, technology, engineering, and math (STEM).	Public Education Efforts	Complete	2012	N/A	N/A	N/A	\$110,000	\$372,819	Private donations, in-kind services	N/A	N/A
City of Altamonte Springs	FDOT	A-06	Sunrail Station, Altamonte Springs	Redevelopment of property for Sunrail Station.	Dry Detention Pond	Complete	2015	27	5	8	Private Development	Private Development	Private Development	100% Private	N/A
City of Altamonte Springs	N/A	A-07	Fertilizer Ordinance	Fertilizer ordinance adopted citywide.	Fertilizer Reduction	Complete	2017	TBD	TBD	6,187	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	AG-01	BMP Implementation	N/A	Agricultural BMPs	Completed	N/A	7,084	491	1,171	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	AG-02	Loss of agricultural production acreage (credit)	N/A	Land Use Change	Completed	N/A	1,327	101	768	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	AG-03	Remainder of Agricultural Lands Enrolled	Enrollment of remaining agricultural lands in BMP programs.	Agricultural BMPs	Planned	TBD	4,517	350	3,800	N/A	N/A	N/A	N/A	N/A
City of Casselberry	Not provided	C-17	530 South Lake Triplet Dr. Bioswales	Construction of bioswales and other drainage improvements.	Bioswales	Completed	2016	1	0	1	\$163,000	N/A	Stormwater Utility	\$163,000	N/A
City of Casselberry	Not provided	C-20	Park Dr. Drainage/Wetland Improvements	Retention area on Lots 10A and 11 on north side of Park Dr.	100 % Onsite Retention	Planned	TBD	2	0	2	\$229,000	N/A	TBD	TBD	N/A
City of Casselberry	Not provided	C-21	Whole Lake Alum Treatment	Execution of whole-lake alum treatments to directly treat Queens Mirror Lake and Triplet Lake chain to address loads caused by	Whole Lake Alum Treatment	Completed	2015	121	185	101.9 (lake acreage only)	\$170,000	\$0	Stormwater Utility	\$170,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				groundwater seepage and internal recycling.											
City of Casselberry	Not provided	C-27	Street Sweeping	Monthly street sweeping, 25,704 cubic ft/yr of material collected based on 2015 values.	Street Sweeping	Completed	N/A	434	285	0	\$0	\$67,612	Stormwater Utility	N/A	N/A
City of Casselberry	Not provided	C-28	Education Efforts	FYN, landscape and irrigation ordinances, PSAs, pamphlets/presentations, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	732	49	0	\$0	\$4,000	Stormwater Utility and Water/Sewer Utility Fund	N/A	N/A
City of Casselberry	Not provided	C-30	Structures Cleaning	729 cubic ft/yr of solids collected from catch basins, baffle boxes, and other structures.	BMP Clean Out	Completed	N/A	15	9	0	\$0	\$0	Not provided	Not provided	N/A
City of Casselberry	Not provided	C-31	Queens Mirror Nutrient Reduction Facility	Treatment of runoff from upstream areas prior to entering Queens Mirror Lake.	Alum Injection System	Planned	9/30/2020	867	173	1,528	\$800,000	\$100,000	Stormwater Utility (+ TMDL, 319, and/or SJRWMD grants if awarded)	\$800,000 + \$100,000/yr	N/A
City of Casselberry	Not provided	C-32	Lake Concord Park (South Phase)	New development with wet detention.	Wet Detention Pond	Completed	2017	1	0	15	\$7,324,162	N/A	Various local funding sources	\$7,324,162	N/A
City of Casselberry	Not provided	C-33	Triplet Lake Dr. Signature St.	New stormwater treatment for existing road.	Dry Retention Pond	Completed	2017	3	0	11	\$3,092,425	N/A	Various local funding sources	\$3,092,425	N/A
City of Casselberry	Not provided	C-34	North Oxford Rd. Complete Street Improvements	Road diet with addition of bioswales.	Bioswales	Completed	2018	1	0	2	\$2,134,100	N/A	Sales Tax + Stormwater Utility + Water/Sewer Utility	\$2,134,100	N/A
City of Casselberry	Not provided	C-35	Concord Dr. Improvements	New stormwater treatment for existing road.	Wet Detention Pond	Planned	2019	9	0	5	\$1,264,584	N/A	Sales Tax + Stormwater Utility + Water/Sewer Utility	TBD	N/A
City of Casselberry	Not provided	C-36	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	Prior to 2017	33	30		\$0	\$0	Various	N/A	N/A
City of Casselberry	Not provided	C-37	Enhanced Street Sweeping	Additional street sweeping once monthly for first 5 months of each year (heavy leaf fall season) beyond base level.	Street Sweeping	Completed	N/A	181	119	0	\$0	\$31,719	Stormwater Utility	\$31,719/yr	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Casselberry	Not provided	C-38	Lake Jesup Basin Nitrogen Removal Projects	TBD BMPs or facilities to target TN reduction in Lake Jesup Watershed.	TBD	Planned	TBD	TBD	TBD	TBD	\$300,000	TBD	Stormwater Utility	\$300,000	N/A
Town of Eatonville	Not provided	E-01	Street Sweeping	Monthly street sweeping of 3.7 mi.	Street Sweeping	Completed	N/A	0	0	0	Not provided	Not provided	Not provided	Not provided	Not provided
Town of Eatonville	Not provided	E-04	Public Education	Brochures, newsletters, public displays, workshops, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	1	0	0	Not provided	Not provided	Not provided	Not provided	Not provided
FDOT	Seminole County	FDOT-02	Soldiers Creek Alum Treatment Facility	Flow-through alum system along CR 427 in Seminole County to reduce nutrient loads in Soldiers Creek.	Alum Injection System	Completed	2016	N/A	80	5,692	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	Not provided	FDOT-03	FM: 240196-1 US 17-92 Basin C and D	Proposed widening of SR 15/600 (US Hwy. 17-92) from Shepard Rd. to Lake Mary Blvd.; drainage improvements and treatment of existing impervious area.	Dry Detention Pond	Underway	2019	55	17	48	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	Not provided	FDOT-05	Street Sweeping	Monthly street sweeping; 48,581 cubic ft of material collected.	Street Sweeping	Completed	N/A	1,166	736	0	Not provided	Not provided	Not provided	Not provided	Not provided
FDOT	Not provided	FDOT-06	Education Efforts	Public education efforts – 1 %.	Public Education Efforts	Completed	N/A	46	4	0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	Not provided	FDOT-08	FM 240216-2 SR 46 (add lanes and reconstruct from Mellonville Ave. to East of SR 415)	Pond 2 (also known as Pond A).	Wet Detention Pond	Underway	2018	64	0	25	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT	Not provided	FDOT-09	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	N/A	476	65	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
City of Longwood	Not provided	L-01	Fairy Lake Outfall	Fairy Lake outfall. Design and construction of 62 LF of 4-by-7 box culvert with headwalls and 1,200-square-ft retaining wall system.		Completed	2013	0	0	N/A	\$300,000	Not provided	Not provided		N/A
City of Longwood	Not provided	L-03	BMP Clean Out	Cleanout of BMPs, an average of 700 cubic ft/yr of material.	BMP Clean Out	Completed	N/A	15	8	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Longwood	Not provided	L-04	Street Sweeping – additional credit	Quarterly street sweeping of 11.1 mi; minimum of 50,300	Street Sweeping	Completed	N/A	10	6	N/A	Not provided	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				lbs/yr of material collected.											
City of Longwood	Not provided	L-05	Education Efforts	FYN, irrigation ordinance, pamphlets, presentations, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	250	15	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Longwood	SJRWMD/ DEP	L-07	Florida Central Commerce Park Wastewater Interconnect Program	Expand stormwater treatment and storage to augment irrigation sources. Project will improve wastewater effluent quality by routing flow from small plant that will be decommissioned to Seminole County plant to provide higher level of treatment, maximize reuse availability, and abandon existing irrigation wells for urbanized area in City of Longwood.	WWTF Diversion to Reuse	Completed	TBD	1,173	280	272	\$1,345,309	Not provided	DEP/ City/ SRF/ SJRWMD	\$1,900,309	28430 SJRWMD cost-share with DEP
City of Longwood	SJRWMD/ DEP	L-08	South Longwood Septic Tank Abatement Project	240 septic tanks will be removed and converted to central sewer.	Septic Tank Out	Completed	TBD	2,372	0	100	\$5,247,830	Not provided	DEP/ City/ SRF/ SJRWMD	\$5,247,830	319(h) – NF010
City of Longwood	SJRWMD/ DEP	L-09	North CR 427 and Lake Ruth Septic Tank Removal	103 septic tanks will be removed and converted to central sewer.	Septic Tank Phase Out	Underway	TBD	1,018	0	67	\$2,500,000	Not provided	DEP/ City/ SRF/ SJRWMD	\$3,129,160	NF013
City of Longwood	Not provided	L-10	Island Lake Septic Tank Abatement	100 septic tanks will be removed and converted to central sewer.	Septic Tank Phase Out	Canceled	N/A	988	0	0	\$3,458,320	Not provided	Not provided		N/A
City of Longwood	SRF/ SJRWMD/ DEP	L-11	Longdale Septic Tank Abatement – Phase 1 Project	218 septic tanks will be removed and converted to central sewer.	Septic Tank Phase Out	Planned	TBD	2,154	0	49	\$4,313,251	Not provided	Not provided		N/A
City of Longwood	SRF/ SJRWMD/ DEP	L-12	East Longwood Septic Tank Abatement – Phase 1 Project	118 septic tanks will be removed and converted to central sewer.	Septic Tank Phase Out	Planned	TBD	1,166	0	33	\$3,123,424	Not provided	Not provided		N/A
City of Longwood	Not provided	L-13	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	N/A	162	14	N/A	Not provided	Not provided	Not provided		N/A
City of Longwood	SRF/ SJRWMD/ DEP	L-14	South Longwood Septic Tank Abatement Project – Phase 2	50 septic tanks will be removed and converted to central sewer.	Septic Tank Phase Out	Ongoing	Jun-18	1,482	0	20	\$1,131,479	Not provided	DEP/ City/ SRF/ SJRWMD	\$1,131,479	NF010
City of Lake Mary	N/A	LM-02	Street Sweeping	140,895 lbs/yr of material removed.	Street Sweeping	Completed	N/A	29	18	6,286	Not provided	\$13,000	City Stormwater Fund	\$13,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Lake Mary	Seminole County	LM-03	Education Efforts	FYN, ordinances (landscape, irrigation, pet waste, fertilizer), PSAs, pamphlets, presentations, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	298	20	N/A	Not provided	\$5,500	City Stormwater Fund	\$5,500	N/A
City of Lake Mary	N/A	LM-05	Catch Basin Clean Out	Removal of 1,620 cubic ft/yr of material.	BMP Clean Out	Completed	N/A	35	20	6,286	Not provided	Not provided	City Stormwater Fund	Not provided	Not provided
City of Lake Mary	N/A	LM-06	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	N/A	231	39	N/A	N/A	N/A	N/A	N/A	N/A
City of Maitland	Not provided	M-14	Horatio Ave. Infiltration Trench	Construct infiltration trenches.	Exfiltration Trench	Planned	TBD	TBD	TBD	5	\$150,000	\$5,000	Not provided		N/A
City of Maitland	Not provided	M-16	Street Sweeping	Street sweeping once every 2 wks of 71 mi.	Street Sweeping	Completed	N/A	TBD	TBD	2,898	N/A	\$100,000	Not provided	Not provided	N/A
City of Maitland	Not provided	M-17	Education Efforts	Landscaping ordinance, PSAs, presentations/pamphlets, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	48	4	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Maitland	Not provided	M-20	Park Lake Baffle Boxes	Construction of 2nd-generation baffle box.	Baffle Boxes – 2nd Generation	Planned	TBD	TBD	TBD	58	Not provided	Not provided	Not provided		N/A
City of Maitland	Not provided	M-21	Minnehaha Cir. Baffle Box	Construction of 2nd-generation baffle box.	Baffle Boxes – 2nd Generation	Completed	2014	TBD	TBD	8	Not provided	Not provided	Not provided		N/A
Orange County	Not provided	OC-04	Street Sweeping	Street sweeping for total of 971.93 curb miles per year (CM//yr); 113,000 lbs/yr of material collected.	Street Sweeping	Completed	N/A	6	3	0	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-05	Education Efforts	FYN, ordinances (landscaping, irrigation, fertilizer, pet waste), PSAs, pamphlets, presentations, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	219	8	0	Not provided	Not provided	Not provided	Not provided	Not provided
Orange County	Not provided	OC-08	Lake Burkett Inlet Baskets Phase I	CIB installation, O&M; 9,500 lbs/yr collected.	Catch Basin Inserts/Inlet Filter Clean Out	Completed	N/A	1	0	130	\$41,600	\$4,680	Not provided	Not provided	N/A
Orange County	Not provided	OC-09	Lake Burkett Inlet Baskets Phase II	CIB installation, O&M; 9,500 lbs/yr collected.	Catch Basin Inserts/Inlet Filter Clean Out	Canceled	N/A	1	0	0	Not provided	Not provided	Not provided	Not provided	N/A
Orange County	Not provided	OC-10	Lake Killarney Inlet Baskets	CIB installation, O&M; 6,000 lbs/yr collected.	Catch Basin Inserts/Inlet Filter Clean Out	Completed	N/A	0	0	62	\$38,500	\$3,960	Not provided	Not provided	N/A
Orange County	Not provided	OC-11	Lake Killarney Sediment Inactivation	Surface treatments with alum bind nutrients to sediments.	Alum Injection System	Completed	31-Mar-17	1	102	239	\$433,350	\$0	SJRWMD/ Winter Park/	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
													Water Quality CIP		
Orange County	Not provided	OC-12	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	N/A	548	28	N/A	N/A	N/A	Not provided	Not provided	N/A
City of Orlando	N/A	ORL-19	Street Sweeping	Sweep 2 times per month; 8,371.95 cubic yds (226,042 cubic ft) of material collected.	Street Sweeping	Completed	N/A	119	90	N/A	N/A	Not provided	City Stormwater Utility	N/A	N/A
City of Orlando	N/A	ORL-25	Educational Component	FYN, ordinances (fertilizer, landscape, irrigation, pet waste), PSAs, pamphlets, presentations, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	17	2	N/A	\$51,500	Not provided	City Stormwater Utility	Not provided	N/A
City of Orlando	DEP	ORL-26	Lake Concord Alum Treatment and Baffle Box	Construct alum injection system into existing box culvert on N Hughey Ave to treat runoff from 2 subbasins in downtown Orlando area.	Alum Injection System	Completed	2014	5	1	88	TBD	\$9,141	DEP, Stormwater Utility	\$291,323	TBD
City of Orlando	N/A	ORL-29	Catch Basin Clean Out	Inlet baskets; 207 cubic yds of material collected.	BMP Clean Out	Completed	N/A	4	3	N/A	N/A	Not provided	City Stormwater Utility	N/A	N/A
City of Orlando	N/A	ORL-30	BMP Clean Out	101.2 cubic yds of material collected.	BMP Clean Out	Completed	N/A	2	1	N/A	N/A	Not provided	City Stormwater Utility	N/A	N/A
City of Orlando	DEP	ORL-31	Lake Concord Alum Treatment and Baffle Box	Construct 2nd-generation baffle box on W Concord St. to treat runoff from residential and industrial area; 16.5 cubic yds of material collected.	Baffle Boxes – 2nd Generation	Completed	2014	0	0	78	TBD	Not provided	DEP/ Stormwater Utility	\$259,560	TBD
City of Oviedo	Not provided	OV-01	Aulin Regional Stormwater Pond	Aulin Regional Stormwater Pond	Wet Detention Pond	Completed	2013	2	0	3	Not provided	Not provided	Not provided		N/A
City of Oviedo	Not provided	OV-03	Sweetwater Creek Project	Sweetwater Creek Project.	Dry Detention Pond	Completed	Not provided	87	19	32	Not provided	Not provided	Not provided		N/A
City of Oviedo	Not provided	OV-04	Solary Canal STA – missing from model	Regional stormwater treatment (RST) facility consisting of 8.0-ac wetland.	Regional Stormwater Treatment	Completed	2011	730	147	1,471	\$1,700,000	Not provided	Not provided		N/A
City of Oviedo	Not provided	OV-05	Street Sweeping	528,111 lbs/yr of material collected.	Street Sweeping	Completed	N/A	244	152	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Oviedo	Not provided	OV-06	Education Efforts	FYN; landscape, irrigation, and pet waste ordinances; Illicit Discharge Program, Adopt A Pond Program,	Public Education Efforts	Completed	N/A	1,282	103	N/A	Not provided	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Fats Oils and Grease (FOG) ordinance.											
City of Oviedo	Not provided	OV-08	Inlets and Pipe Cleaning	Routine cleaning of inlets and pipes – 435 lbs/yr of material collected.	BMP Clean Out	Completed	N/A	0	0	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Oviedo	Not provided	OV-09	Aulin Ave. North	Construction of stormwater conveyance system and treatment area.	Bioswales	Planned	TBD	3	0	3	\$50,000	Not provided	Not provided		N/A
City of Oviedo	Not provided	OV-10	Oviedo Regional Pond	Construction of retention pond to receive and treat drainage from commercial sites and treat surrounding runoff before discharge to Sweetwater Creek.	Wet Detention Pond	Planned	TBD	192	36	95	Not provided	Not provided	Not provided		N/A
City of Oviedo	Not provided	OV-11	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	N/A	454	27	N/A	Not provided	Not provided	Not provided		N/A
City of Oviedo	N/A	OV-11	Magnolia Ave	Sweetwater Creek water quality analysis and nutrient separator box install at culvert.	Baffle Boxes – 2nd Generation	Planned	2021	33	2	32	\$400,000	TBD	TBD	TBD	N/A
City of Sanford	Not provided	S-01	Street Sweeping	Weekly street sweeping; removes 17,347 cubic ft of material annually.	Street Sweeping	Completed	N/A	426	267	N/A	Not provided	\$23,256	City/ Stormwater Utility	N/A	N/A
City of Sanford	Not provided	S-02	Education Efforts	FYN Program; pet waste, irrigation, and fertilizer ordinances; PSAs and Illicit Discharge Program.	Public Education Efforts	Completed	N/A	1,171	132	N/A	Not provided	\$2,000	City/ Stormwater Utility	N/A	N/A
City of Sanford	Not provided	S-04	Cameron Baffle Box	Installation of 2nd generation baffle box.	Baffle Boxes – 2nd Generation	Planned	TBD	261	24	242	\$500,000	\$10,000	TBD	TBD	N/A
City of Sanford	Not provided	S-05	Pine Way Baffle Box	Installation of 2nd - generation baffle box.	Baffle Boxes – 2nd Generation	Planned	TBD	490	43	310	\$750,000	\$15,000	TBD	TBD	N/A
City of Sanford	Not provided	S-06	WWTP Reclaimed Water Nutrient Reduction	Upgrade to WWTP treatment process to reduce concentration of TN from 20 to 4 mg/L and TP from 4 to 1 mg/L in reclaimed water. 1 mgd delivered to Jesup Basin; 0.29 mgd to Site 10; 0.71 mgd for irrigation.	WWTF Nutrient Reduction	Underway	2018	10,966	2,056	3,800	\$16,000,000	\$100,000	DEP SRF	N/A	Not provided
City of Sanford	Not provided	S-07	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	N/A	353	327	N/A	Not provided	Not provided	Not provided		N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Sanford	N/A	S10-01	Credits for Missing BMPs	BMPs missing from model from Site 10.	BMPs	Completed	N/A	1,151	146	827	Not available	Not available	City	Not available	N/A
Seminole County	Not provided	SC-01	Cassel Creek Regional Stormwater Facility (RSF)	RSF to treat water in subbasin upstream.	Wet Detention Pond	Completed	7/1/2013	996	157	830	\$927,531	Not provided	Not provided		N/A
Seminole County	Not provided	SC-07	Solary Canal STA – missing from model	RST facility consisting of 8.0-ac wet pond and 4.8-ac wetland.	Regional Stormwater Treatment	Completed	12/1/2011	730	147	1,471	\$1,700,000	Not provided	Not provided		N/A
Seminole County	Not provided	SC-09	Street Sweeping	Street sweeping monthly of 66.8 mi and quarterly of 160.2 mi; 14,364 cubic ft/yr of material collected.	Street Sweeping	Completed	N/A	383	238	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-10	Education Efforts	FYN, ordinances (irrigation, landscaping, pet waste, fertilizer), PSAs, pamphlets, presentations, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	5,778	378	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-12	Soldiers Creek at CR 427 RSF	RSF with alum to treat water in subbasin upstream.	Alum Injection System	Completed	3/30/2017	18,863	2,230	5,692	\$6,500,000	Not provided	Not provided		N/A
Seminole County	Not provided	SC-13	Bear Gully Creek Diversion to Mikler Pond	Preliminary design for RSF to treat water from Bear Gully Canal Subbasin.	Wet Detention Pond	Planned	TBD	9,121	1,004	1,098	\$88,000	Not provided	Not provided		N/A
Seminole County	Not provided	SC-17	Black Hammock Creek Reclamation and Floodplain Treatment System	Preliminary and final design, construction, and monitoring to treat water from Black Hammock area.	Hydrologic Restoration	Underway	12/1/2018	4,854	1,160	5,619	\$2,000,000	Not provided	Not provided		N/A
Seminole County	Not provided	SC-20	BMP Clean Out	Clean out BMPs; 6,936 cubic ft/yr of material.	BMP Clean Out	Completed	N/A	295	116	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Seminole County	Not provided	SC-25	5 Points Access Road	Master stormwater facility for 5 Points area.	Wet Detention Pond	Planned	TBD	213	39	N/A	Not provided	Not provided	Not provided		N/A
Seminole County	Not provided	SC-26	Howell Creek Erosion Control Project	Erosion control measures on Howell Creek.	Shoreline Stabilization	Underway	3/1/2018	0	0	N/A	\$1,300,000	Not provided	Not provided		N/A
Seminole County	Not provided	SC-27	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	N/A	1,786	0	N/A	N/A	Not provided	Not provided		N/A
Seminole County	Altamonte/ Casselberry/ Lake Mary/ Longwood/ Oviedo	SC-28	Seminole County Fertilizer Ordinance	Reduction of nitrogen and phosphorus sources, through public education and restrictions on usage.	Regulations, Ordinances, and Guidelines	Completed	N/A	TBD	TBD	14,267	\$150,000	\$65,000	Ad Valorem Taxes and FFL Cost-Shares	\$28,000 annual city cost-share total/ \$37,000 county portion	NF034

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Seminole County	N/A	SC-29	Lake of the Woods Retention Pond	Construct retention pond to capture untreated runoff into Lake of the Woods.	100 % Onsite Retention	Planned	TBD	TBD	TBD	Not provided	\$500,000	N/A	Not provided	Not provided	N/A
Seminole County	N/A	SC-30	Bear Gully Lake Upstream Shallow Wetland Treatment System	Implement upstream shallow wetland treatment system.	Wetland Treatment	Planned	TBD	TBD	16	Not provided	\$370,000	N/A	Not provided	Not provided	N/A
Turnpike Authority	Not provided	T-02	Monthly Street Sweeping of 48 Mi	Street sweeping to remove 60,885 lbs/yr of material.	Street Sweeping	Completed	N/A	24	14	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Turnpike Authority	Not provided	T-03	Education Efforts	No fertilizer on rights-of-way, educational signage, illicit discharge training.	Public Education Efforts	Completed	N/A	77	7	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Turnpike Authority	Not provided	T-04	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	N/A	902	110	N/A	N/A	Not provided	Not provided	Not provided	N/A
City of Winter Park	Not provided	WP-34	Street Sweeping	Street sweeping 2 times per month of 130 mi; 124,200 cubic ft/yr of material collected.	Street Sweeping	Completed	N/A	434	301	0	Not provided	Not provided	Not provided	Not provided	Not provided
City of Winter Park	Not provided	WP-35	Education Efforts	FYN, landscape and fertilizer ordinances, pamphlets, presentations, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	231	15	0	Not provided	Not provided	Not provided	Not provided	Not provided
City of Winter Park	Not provided	WP-40	Park North Exfiltration	Exfiltration trench.	Exfiltration Trench	Completed	2014	10	1	9	\$703,000	\$2,500	DEP	\$421,000	GO340
City of Winter Park	Not provided	WP-41	Canton Ave. Outfall Retrofit	Suntree baffle box.	Baffle Boxes – 2nd Generation	Completed	2013	6	0	23	\$129,000	\$1,000	DEP	\$77,000	GO337
City of Winter Park	Not provided	WP-44	Howard Dr. Outfall Retrofit	CDS, detention, beemats.	CDS and Detention	Completed	2015	1	0	29	\$411,000	\$1,500	DEP	\$249,000	GO354
City of Winter Park	Not provided	WP-45	W. Fawsett Road Outfall Retrofit	CDS.	CDS	Completed	2015	0	0	22	\$50,000	\$1,500	Self funded	Not provided	N/A
City of Winter Park	Not provided	WP-46	Dixie Parkway Outfall No. 3	Exfiltration.	Exfiltration Trench	Planned	2017	40	3	22	\$300,000	\$1,500	Self funded	Not provided	N/A
City of Winter Park	Orange County	WP-47	Lake Killarney Sediment P Deactivation	Alum – whole lake, partnered with Orange County.	Alum Injection System	Underway	2017	TBD	TBD	N/A	\$340,000	N/A	Self funded	Not provided	N/A
City of Winter Park	Not provided	WP-48	Howell Branch Pond Modifications	Upgrade existing pond to provide treatment volume.	Wet Detention Pond	Underway	2017	22	1	28	\$689,598	\$2,000	Self funded	Not provided	N/A
City of Winter Park	Not provided	WP-49	Nicolet Ave. Regional Pond	Regional pond to treat discharges to Lake Killarney.	Wet Detention Pond	Underway	2017	TBD	TBD	108	\$400,000	\$1,500	Self funded	Not provided	N/A
City of Winter Park	Not provided	WP-50	Lee Road (SR423) Stormwater	CDS.	CDS	Underway	2018	0	0	25	\$187,000	\$1,500	Self funded	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
			Outfall Water Quality Structure with Diversion Structure												
City of Winter Park	Not provided	WP-51	Lake Sylvan Outfall Water Quality Structure with Diversion Structure	CDS.	CDS	Underway	2018	0	0	10	\$195,000	\$1,500	Self-funded	Not provided	N/A
City of Winter Springs	Seminole County	WS-01	Solary Canal STA – missing from model	RST facility consisting of 8.0-ac wet pond and 4.8-ac wetland.	Regional Stormwater Treatment	Completed	2011	730	147	1,471	\$1,700,000	\$25,000	SJRWMD Grant	\$1,700,000	N/A
City of Winter Springs	Not provided	WS-06	Education Efforts – Update Local Codes and Ordinances (Fertilizer Rule, etc.), FYN	FYN, PSAs, distribution of pamphlets, presentations to various groups, and inspection program on illicit discharges.	Public Education Efforts	Completed	N/A	1,759	120	N/A	\$4,000	\$4,000	City Stormwater Utility Fund	\$4,000	N/A
City of Winter Springs	Not provided	WS-07	Street Sweeping	Quarterly street sweeping; 14,674 cubic ft of material collected.	Street Sweeping	Completed	N/A	486	316	N/A	\$40,000	N/A	City Stormwater Utility Fund	\$40,000	N/A
City of Winter Springs	Not provided	WS-09	Solary Canal Water Quality Improvements	Pond interconnection with media filtration.	Wet Detention Pond	Planned	TBD	850	213	1,471	\$250,000	TBD	City Stormwater Utility Fund/ SJRWMD Grant	\$207,564	N/A
City of Winter Springs	Not provided	WS-10	North Tuskawilla Outfall Drainage and Water Quality Improvements	Dual baffle boxes and repair of outfall weir structure.	Baffle Boxes – 2nd Generation	Planned	TBD	14	3	20	\$200,000	Not provided	Not provided	Not provided	N/A
City of Winter Springs	Not provided	WS-11	Credits for Missing BMPs	BMPs missing from model.	BMPs	Completed	N/A	464	78	N/A	N/A	N/A	Not provided	Not provided	N/A

Lakes Harney, Monroe, Middle St. Johns River (MSJR), and Smith Canal BMAP

Background

The Lakes Harney and Monroe and MSJR Basin covers an area of 241,928 acres. It includes the main stem of the Middle St. Johns River between the inlet of Lake Harney and the confluence of the St. Johns River with the Wekiva River. These river segments receive inflows from the Upper St. Johns River and several major tributaries, including the Econlockhatchee River, Deep Creek, and Lake Jesup (**Figure C-6**).

The river segments, including two wide areas of the main stem of the river referred to as Lake Monroe and Lake Harney, were verified as impaired because of excessive nutrients and low DO conditions. In 2009, DEP adopted nutrient and DO TMDLs with reduction targets for TN and TP for the Lakes Harney and Monroe and MSJR Basin, including Smith Canal. The Smith Canal Watershed is located in the southern portion of the basin and drains an area of 10 square miles.

The Lakes Harney and Monroe and MSJR BMAP was adopted in August 2012 to implement TN and TP reductions for the Lakes Harney and Monroe and MSJR Basin to achieve the TMDLs. Since Smith Canal is located mostly in the Lakes Harney and Monroe and MSJR Basin, reductions made to achieve the basin TMDLs should also address the Smith Canal TMDL.

Status of Projects

Through December 31, 2017, 91 projects were completed. An additional 5 projects that are underway or planned were added to the BMAP. The projects completed to date are estimated to achieve total reductions of 96,177 lbs/yr of TN, or 110 % of the reductions needed to meet the portion of the TN TMDL allocated to the Lakes Harney and Monroe and MSJR Basin.

Completed projects completed to date are estimated to achieve total reductions of 22,468 lbs/yr of TP, or 136 % of the reductions needed to meet the portion of the TP TMDL.

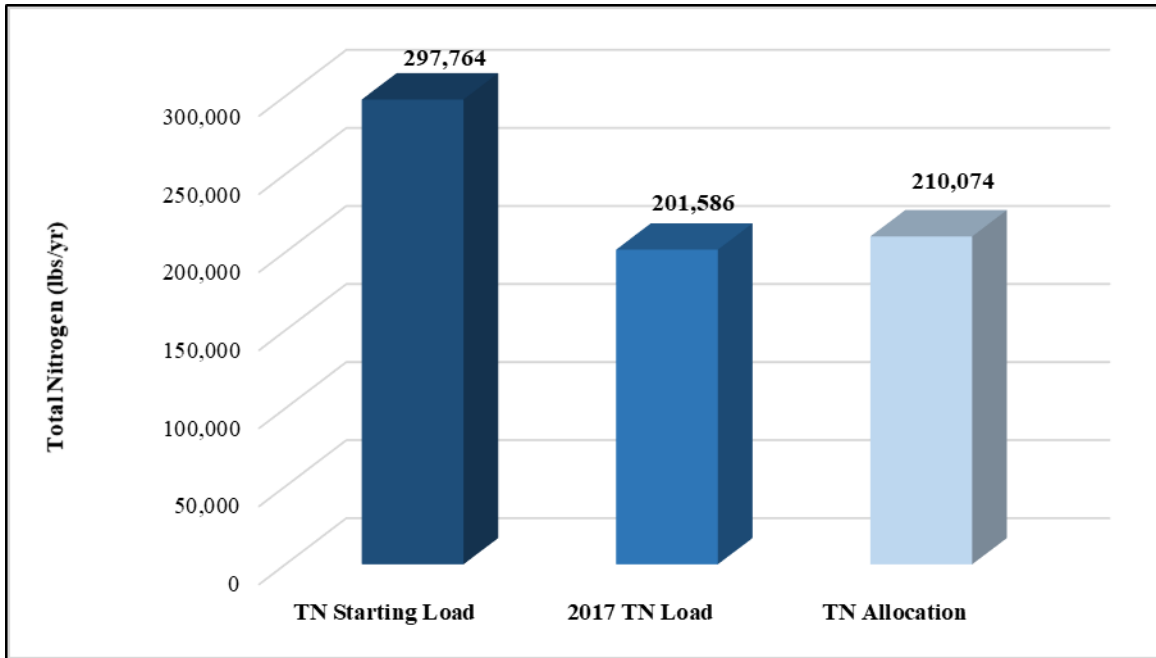


Figure C-14. Estimated progress toward meeting the Harney-Monroe TN TMDL. Reductions are associated with projects completed through December 31, 2017.

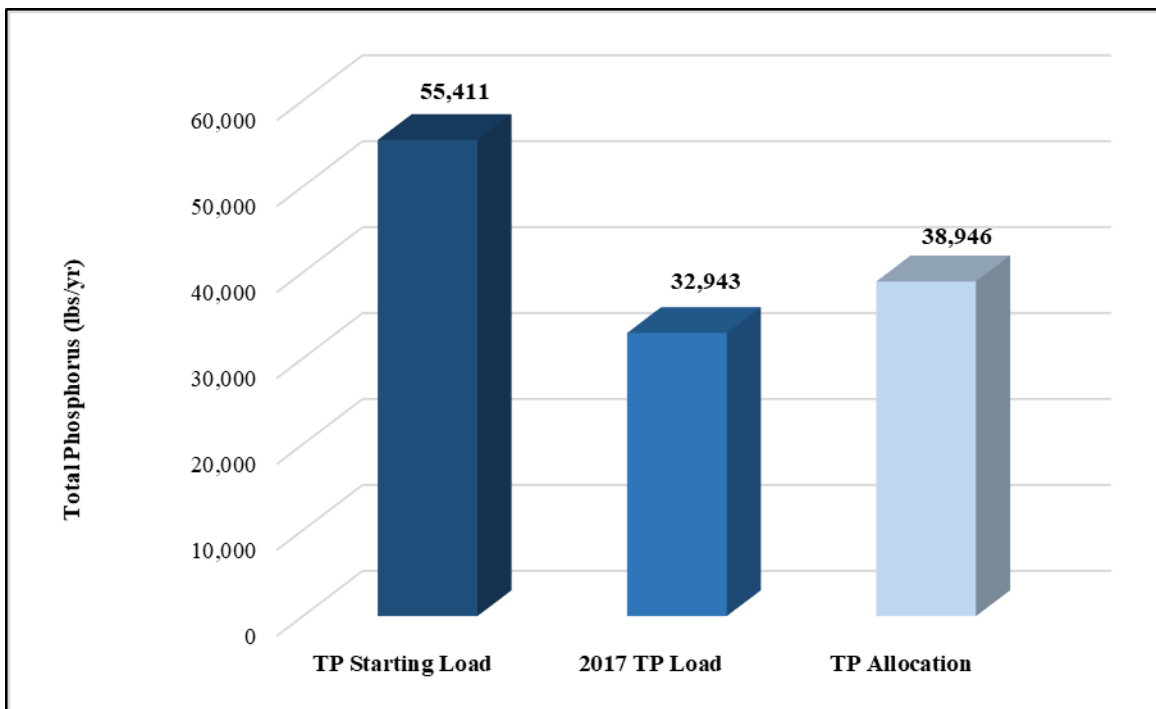


Figure C-15. Estimated progress toward meeting the Harney-Monroe TP TMDL. Reductions are associated with projects completed through December 31, 2017.

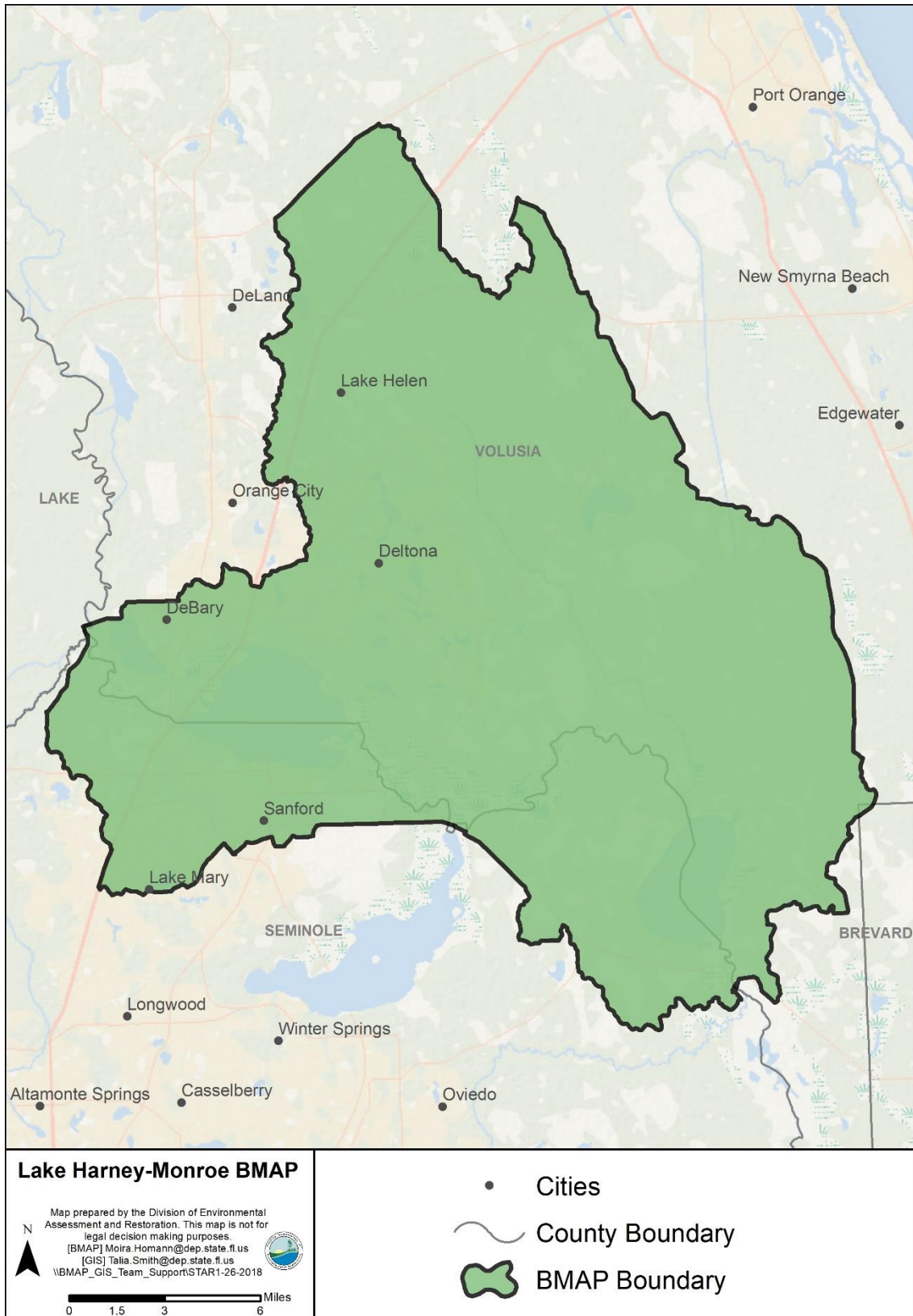


Figure C-16. Lakes Harney, Monroe, MSJR, and Smith Canal BMAP area

Table C-6. Lakes Harney, Monroe, MSJR, and Smith Canal BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of DeBary	N/A	DB-01	Noncontributing Basin	Noncontributing basin; not included in TMDL model.	Noncontributing Basin	Completed	2012	6,523	1,037	Not provided	N/A	N/A	N/A	N/A	N/A
City of DeBary	N/A	DB-02	Noncontributing Basin	Noncontributing basin; not included in TMDL model.	Noncontributing Basin	Completed	2012	7,039	1,170	Not provided	N/A	N/A	N/A	N/A	N/A
City of DeBary	N/A	DB-03	Citywide Fertilizer Ordinance	Reduction of fertilizer application.	Regulations, Ordinances, and Guidelines	Completed	N/A	100	16	8,713	N/A	N/A	N/A	N/A	N/A
City of DeBary	N/A	DB-04	Website, Pamphlets, Inspection Program, Call-In Number	Illicit discharges.	.	Completed	N/A	199	31	8,713	Not provided	N/A	Not provided	Not provided	N/A
City of Deltona	Not provided	DEL-01	McGarity Kirkhill Regional Treatment Facility	Retrofit project to treat surface water runoff from residential area in city.	Wet Detention Pond	Completed	2012	345	92	277	\$1,500,000	\$50,000	Not provided	Not provided	N/A
City of Deltona	Not provided	DEL-02	DRA GC-5	Water quality treatment for residential area.	Online Retention BMPs	Completed	2012	26	4	11	\$120,000	\$6,000	Not provided	Not provided	N/A
City of Deltona	Not provided	DEL-03	Swales	Swales throughout city.	Bioswales	Completed	2012	4,820	729	2,369	\$2,000,000	\$100,000	Not provided	Not provided	N/A
City of Deltona	Not provided	DEL-04	Lake Gleason Control Structure	Proposed control structure to increase storage in Lake Gleason.	Wet Detention Pond	Completed	2013	672	188	582	\$150,000	\$3,000	Not provided	Not provided	N/A
City of Deltona	Not provided	DEL-05	Education Efforts	FYN, irrigation ordinance, pet waste ordinance, PSAs, pamphlets, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	1,270	206	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Deltona	Not provided	DEL-06	Catch Basin Maintenance	Catch basin clean out throughout city.	Catch Basin Inserts/Inlet Filter Clean Out	Completed	N/A	19	10	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
City of Deltona	Not provided	DEL-07	Leland Dr. Retention Pond	Construct retention area to provide for stormwater storage and nutrient removal.	Online Retention BMPs	Completed	2016	TBD	TBD	8	\$756,300	Not provided	Not provided	Not provided	N/A
City of Deltona	Not provided	DEL-08	Tivoli/Wheeling Force Main to RIB Stormwater Retention Ponds	Construct pump station and 7,260 ft of 16-in force main used to reroute untreated stormwater from Tivoli/Wheeling pump station into 2 stormwater ponds at 122-ac RIB site where it can infiltrate; instead of being sent to surface waterbody, Clearwater Lake, as previous pumping accomplished.	WWTF Disposal Site	Completed	2015	TBD	TBD	Not provided	\$2,400,856	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Deltona	DEP	DEL-09	Brickell Stormwater Management System	Treatment of stormwater flow from major Deltona outfall, prior to discharge to Lake Monroe. Existing straight-through flow will be diverted through natural wetland, for filtering, and into pond to set elevation before flowing over weir to existing outfall.	Natural Wetlands as Filters	Underway	2/1/2018	186	73	288	\$600,000	\$10,000	DEP	\$315,000	NF004
City of DeLand	Not provided	DL-01	Education Efforts	FYN Program, irrigation ordinance, fertilizer ordinance, pamphlets, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	9	1	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	N/A	FDACS-01	Reductions Changes	Reductions from land use changes.	Land Use Change	Completed	2012	15,043	2,953	N/A	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	FDACS-02	Reductions Area	Reductions from noncontributing area.	Noncontributing Basin	Completed	2012	1,417	241	N/A	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	FDACS-03	BMP Enrollment	Agricultural BMP enrollment.	Agricultural BMPs	Completed	2013	4,047	800	N/A	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	FDACS-03b	BMP Enrollment	Agricultural BMP enrollment.	Agricultural BMPs	Completed	2014	3,747	685	N/A	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	FDACS-03c	BMP Enrollment	Agricultural BMP enrollment.	Agricultural BMPs	Completed	2015	8,252	1,539	N/A	N/A	N/A	N/A	N/A	N/A
FDACS	N/A	FDACS-03d	BMP Enrollment	Agricultural BMP enrollment.	Agricultural BMPs	Completed	2016	10,723	1,903	N/A	N/A	N/A	N/A	N/A	N/A
FDOT	Not provided	FDOT-01	79070-3547-02 (Pond 2)	Wet detention pond.	Wet Detention Pond	Completed	2007	20	2	22	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-02	79070-3547-03 (Pond 3)	Wet detention pond.	Wet Detention Pond	Completed	2007	12	1	25	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-03	79070-3547-04 (Pond 4)	Wet detention pond.	Wet Detention Pond	Completed	2007	16	1	35	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-04	79070-3547-06 (Pond 6)	Wet detention pond.	Wet Detention Pond	Completed	2007	14	1	19	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-05	79070-3546-03 (Pond 9)	Wet detention pond.	Wet Detention Pond	Completed	2007	13	9	13	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-06	79070-3546-02 (Pond 8)	Wet detention pond.	Wet Detention Pond	Completed	2007	25	6	44	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-07	79070-3547-05 (Pond 5)	Wet detention pond.	Wet Detention Pond	Completed	2007	25	3	33	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-08	79070-3546-01 (Pond 7)	Wet detention pond.	Wet Detention Pond	Completed	2007	20	1	27	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-09	79070-3546-04 (Pond 10)	Wet detention pond.	Wet Detention Pond	Completed	2007	4	3	4	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-10	79110-xxx3-08 (Pond 4)	FM 408463-1 Wet detention pond.	Wet Detention Pond	Completed	2008	8	2	8	Not provided	Not provided	Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDOT	Not provided	FDOT-11	79110-xxx (Pond 5)	Wet detention pond.	Wet Detention Pond	Completed	2008	27	6	23	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-12	79110-xxx (Pond 6)	Wet detention pond.	Wet Detention Pond	Completed	2008	14	3	11	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-13	79110-xxx (Pond 7)	Wet detention pond.	Wet Detention Pond	Completed	2008	38	8	30	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-14	79110-xxx4-01 (Pond 1)	Wet detention pond.	Wet Detention Pond	Completed	2012	54	11	36	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-14b	79110-xxx4-02 (Pond 1A)	Wet detention pond.	Wet Detention Pond	Completed	2012	N/A	N/A	N/A	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-15	79110-xxx4-03 (Pond 2)	Wet detention pond.	Wet Detention Pond	Completed	2012	65	13	39	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-15b	79110-xxx4-04 (Pond 2A)	Wet detention pond.	Dry Detention Pond	Completed	2012	N/A	N/A	N/A	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-16	79110-xxx4-05 (Pond 14)	Wet detention pond.	Wet Detention Pond	Completed	2012	44	8	25	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-17	SR 415 – missing from model	Grass swales without swale blocks or raised culverts	Bioswales	Completed	2012	90	28	134	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-18	SR 44 – missing from model	Grass swales without swale blocks or raised culverts.	Bioswales	Completed	2012	34	11	44	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-19	SR 46 – missing from model	Grass swales without swale blocks or raised culverts.	Bioswales	Completed	2012	33	7	48	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-20	77160-3404-02 (Pond 1-NW)	Online retention BMPs.	Online Retention BMPs	Completed	2004	94	13	26	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-21	77160-3404-06 (Pond 4-11)	Wet detention pond.	Wet Detention Pond	Completed	2004	103	24	39	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-22	77160-3404-05 (Pond 4-1)	Wet detention pond.	Wet Detention Pond	Completed	2004	45	12	32	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-23	77160-3404-07 (Pond 5)	Wet detention pond.	Wet Detention Pond	Completed	2004	47	9	31	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-24	77160 3436 (Pond A, A-1)	Wet detention pond.	Bioswales	Completed	2012	148	20	57	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-25	77160-3439-01 (Pond 1)	Wet detention pond.	Wet Detention Pond	Completed	2006	7	1	20	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-26	FM 242702 79110-3403-04 and 05 (Pond QQ3 and QQ-5)	Wet detention pond.	Wet Detention Pond	Completed	2004	56	12	48	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-26b	FM 242702 79110-3403-04 and 05 (Pond QQ3 and QQ-5)	Wet detention pond.	Wet Detention Pond	Completed	2004	N/A	N/A	N/A	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-27	FM 242702 79110-3403-06 (RR-3)	Wet detention pond.	Wet Detention Pond	Completed	2004	68	17	53	Not provided	Not provided	Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDOT	Not provided	FDOT-28	FM 242702 79110-3403-07 (Pond SS-2)	Wet detention pond.	Wet Detention Pond	Completed	2006	92	26	88	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-29	FM 242702 Roadside Swale	Grass swales without swale blocks or raised culverts.	Bioswales	Completed	2004	94	14	35	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-30	FM 242702 Roadside Swale	Grass swales without swale blocks or raised culverts.	Bioswales	Completed	2006	40	6	13	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-31	SR 415 – missing from model	Grass swales without swale blocks or raised culverts.	Bioswales	Completed	2012	39	9	65	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-32	Education Efforts	Education efforts.	Public Education Efforts	Completed	N/A	101	13	N/A	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-33	Street Sweeping	Street sweeping.	Street Sweeping	Completed	N/A	410	263	N/A	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-34	Noncontributing Area in DeBary	Noncontributing area in DeBary.	Noncontributing Basin	Completed	N/A	195	28	39	Not provided	N/A	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-35	Noncontributing Area in Volusia County	Noncontributing area in Volusia County.	Noncontributing Basin	Completed	N/A	118	19	23	Not provided	N/A	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-36	SR 415 – Pond A (built under 407355-1)	Wet detention pond.	Wet Detention Pond	Completed	2016	7	2	4	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-37	FM: 407355-3 SR 415 – Pond B	Wet detention pond.	Wet Detention Pond	Completed	2016	8	1	9	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-38	SR 415 – Exfiltration Trench	Exfiltration trench.	Online Retention BMPs	Completed	2016	12	0	22	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-39	FM: 407355-3 SR 415 – Pond H (in database as Pond 1)	Wet detention pond.	Wet Detention Pond	Completed	2016	10	2	10	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-40	FM: 240216-2 SR 46 – Pond 1 (possibly modified and built by others)	Wet detention pond.	Wet Detention Pond	Underway	TBD	26	6	18	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-41	Fertilizer Cessation	Elimination of fertilizer use along state highway system. Removal of TN and TP loading.	Fertilizer Cessation	Completed	2016	712	0	278	Not provided	N/A	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-42	SR 400 Widening (from SR 44 to East of I-95)	Basin B Pond B.	Wet Detention Pond	Completed	2016	52	1	16	Not provided	Not provided	Legislature	Not provided	N/A
FDOT	Not provided	FDOT-43	SR 400 Widening (from	Basin E Pond E.	Wet Detention Pond	Completed	2016	59	1	16	Not provided	Not provided	Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
			SR 44 to East of I-95)												
City of Lake Helen	Not provided	LH-01	Education Efforts	Irrigation ordinance, pet waste ordinance, pamphlets, website.	Public Education Efforts	Completed	N/A	31	5	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Lake Mary	Seminole County	LM-01	Education Efforts	FYN, landscape ordinance, irrigation ordinance, pet waste ordinance, PSAs, pamphlets, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	362	52	N/A	N/A	\$5,500	City Stormwater Fund	\$5,500	N/A
City of Lake Mary	N/A	LM-02	Street Sweeping	Sweeping of 53.58 CM/yr.	Street Sweeping	Completed	N/A	10	6	N/A	N/A	\$13,000	City Stormwater Fund	\$13,000	N/A
City of Orange City	Not provided	OC-01	Education Efforts	Irrigation ordinance, pamphlets, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	1	0	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Sanford	DEP and U.S. Dept. of Housing and Urban Development (HUD)	S-01	Cloud Branch Phase I	Drainage/water quality improvements.	Wet Detention Pond	Completed	2007	647	174	187	\$3,491,375	Not provided	City/ Stormwater Utility/ DEP SRF	Not provided	Not provided
City of Sanford	DEP	S-02	Cloud Branch Phase II	Drainage/water quality improvements.	Wet Detention Pond	Completed	2007	1,390	406	380	\$3,072,693	Not provided	City/ Stormwater Utility/ DEP SRF	Not provided	Not provided
City of Sanford	N/A	S-03	Street Sweeping	Street sweeping citywide.	Street Sweeping	Completed	N/A	8,867	3,993	N/A	N/A	\$170,544	City/ Stormwater Utility	N/A	N/A
City of Sanford	Seminole County	S-04	Education Efforts	FYN, landscaping ordinance, irrigation ordinance, PSAs, pamphlets, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	2,070	325	N/A	N/A	\$2,000	City/ Stormwater Utility	N/A	N/A
City of Sanford	N/A	S-05	Sanford Ave. Baffle Box	2nd-generation baffle box.	Baffle Boxes – 2nd Generation	Completed	2015	6	1	N/A	\$2,400,000	Not provided	City/ Stormwater Utility/ Community Redevelopment Agency (CRA)	Not provided	N/A
City of Sanford	DEP	S-06	Mill Creek Wet Detention Pond	Wet detention pond.	Wet Detention Pond	Completed	2004	1,466	434	412	\$2,085,959	Not provided	City/ Stormwater Utility/ DEP SRF	Not provided	Not provided
City of Sanford	HUD	S-07	Baffle Boxes on 2nd St.	1st-generation baffle boxes.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	1997	9	7	200	\$1,891,082	Not provided	City/ Stormwater Utility/ DEP SRF and CDBG	Not provided	Not provided
City of Sanford	DEP	S-08	WWTP Reclaimed	Upgrade to WWTP treatment process that will	WWTF Nutrient Reduction	Planned	2018	9,992	750	Not provided	\$16,000,000	\$100,000	City/ DEP SRF	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
			Water Nutrient Reduction	reduce concentration of TN from 20 to 4 mg/L and TP from 4 to 1 mg/L in reclaimed water; 0.376 mgd to Lake Monroe directly.											
Seminole County	Not provided	SC-01	Club II RSF	RSF to collect and treat stormwater runoff.	Wet Detention Pond	Completed	2007	1,333	396	423	\$2,334,682	\$20,095	Not provided	Not provided	N/A
Seminole County	Not provided	SC-02	Midway RSF	RSF to collect and treat stormwater runoff.	Wet Detention Pond	Completed	2009	408	118	122	\$2,163,151	\$26,662	Not provided	Not provided	N/A
Seminole County	Not provided	SC-03	Elder RSF	RSF to collect and treat stormwater runoff.	Wet Detention Pond	Completed	2007	519	134	230	\$3,884,496	\$19,251	Not provided	Not provided	N/A
Seminole County	Not provided	SC-04	Lockhart RSF	RSF to collect and treat stormwater runoff.	Wet Detention Pond	Completed	2007	3,201	840	2,757	\$3,504,755	Not provided	Not provided	Not provided	N/A
Seminole County	Not provided	SC-05	Street Sweeping	Street sweeping throughout county.	Street Sweeping	Completed	N/A	300	135	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Seminole County	Not provided	SC-06	Education Efforts	FYN, landscaping ordinance, irrigation ordinance, pet waste ordinance, PSAs, pamphlets, website, Illicit Discharge Program.	Public Education Efforts	Completed	N/A	1,876	282	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Seminole County	Altamonte, Casselberry, Lake Mary, Longwood, Oviedo	SC-07	Seminole County Fertilizer Ordinance	Reduction of nitrogen and phosphorus sources, through public education and restrictions on use.	Regulations, Ordinances, and Guidelines	Planned	N/A	TBD	N/A	14,267	\$150,000	65,000	Ad Valorem Taxes and FFL Cost-Shares	\$28,000 annual city cost-share total/ \$37,000 county portion	NF034
Seminole County	Not provided	SC-08	Midway Phase II, Ditch Diversion	Addition of ditch bottom inlet and regrading to route untreated runoff into Pond 4 of existing RSF.	Wet Detention Pond	Completed	Aug-16	175	35	25	\$59,300	Not provided	Not provided	Not provided	N/A
Turnpike Enterprise	Not provided	T-01	Street Sweeping	SR 417 mile marker (MM) 51-55 16 CM mainline per cycle; 6 CM ramps per cycle; 24 total CM/month or 288 CM/yr; 93,312 lbs or 42,325.61 kg of dry material.	Street Sweeping	Completed	N/A	53	34	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Turnpike Enterprise	Not provided	TP-02	Education Efforts	No fertilizer on rights-of-way; illicit discharge training.	Public Education Efforts	Completed	N/A	TBD	TBD	N/A	N/A	N/A	N/A	N/A	N/A
Volusia County	Not provided	VC-01	Education and Outreach	Education efforts.	Public Education Efforts	Completed	N/A	1,392	201	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Volusia County	Not provided	VC-02	Street Sweeping	Street sweeping.	Street Sweeping	Completed	N/A	3,130	2,007	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Volusia County	Not provided	VC-03	Lemon Bluff Road	Grass swales without swale blocks or raised culverts.	Bioswales	Completed	2011	7	1	2	\$145,000	Not provided	Not provided	Not provided	N/A
Volusia County	Not provided	VC-04	Lemon Bluff Road Ramp	Grass swales without swale blocks or raised culverts.	Bioswales	Completed	2011	1	0	0	\$55,550	Not provided	Not provided	Not provided	N/A
Volusia County	Not provided	VC-05	DeBary Ave. Expansion	DeBary Ave. – Doyle Rd. expansion.	Wet Detention Pond	Completed	2012	41	10	123	Not provided	Not provided	Not provided	Not provided	N/A
Volusia County	Not provided	VC-06	Lake Winnemissett Noncontributing Basin	Noncontributing basin; not included in TMDL model.	Noncontributing Basin	Completed	2012	658	94	1,003	N/A	N/A	N/A	N/A	N/A
Volusia County	Not provided	VC-07	Roadside Ditch Cleaning	Ongoing roadside ditch cleaning countywide.	BMP Clean Out	Completed	N/A	905	556	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Volusia County	County/ DEP/ SJRWMD	VC-08	Gemini Springs Baffle Boxes	Installation of 2 baffle boxes.	Baffle Boxes – 2nd Generation	Planned	7/30/2019	850	135	208	\$381,900	Not provided	DEP/ SJRWMD	DEP – \$95,000 SJRWMD – \$95,000	NS034

Lower St. Johns River (LSJR) Main Stem BMAP

Background

The LSJR Main Stem is the 2,750-square-mile drainage area that flows north from the mouth of the Ocklawaha River to the Atlantic Ocean. This reach of the St. Johns River is 101 miles long (**Figure C-7**).

DEP identified the LSJR as impaired for chlorophyll *a* in the freshwater section (Buffalo Bluff to Black Creek) and for DO in the marine section (Black Creek to the Atlantic Ocean near Mayport). DEP adopted TN and TP TMDLs, to restore chlorophyll *a* levels in the freshwater section. It also adopted a TN TMDL in the marine section to restore DO levels. The LSJR Main Stem BMAP was adopted in October 2008 to implement these TMDLs.

Status of Projects

Through December 31, 2017, 294 projects were completed. An additional 52 projects that are underway or planned were added to the BMAP. In the freshwater section, the projects completed to date are estimated to achieve total reductions of 400,990 lbs/yr of TN and 102,211 lbs/yr of TP, or 70 % of the TN reductions and 89 % of the TP reductions needed to meet the freshwater TN and TP TMDLs, respectively. In the marine section, the projects completed to date are estimated to achieve total reductions of 2,816,993 lbs/yr of TN, or 119 % of the TN reductions needed to meet the marine TN TMDL.

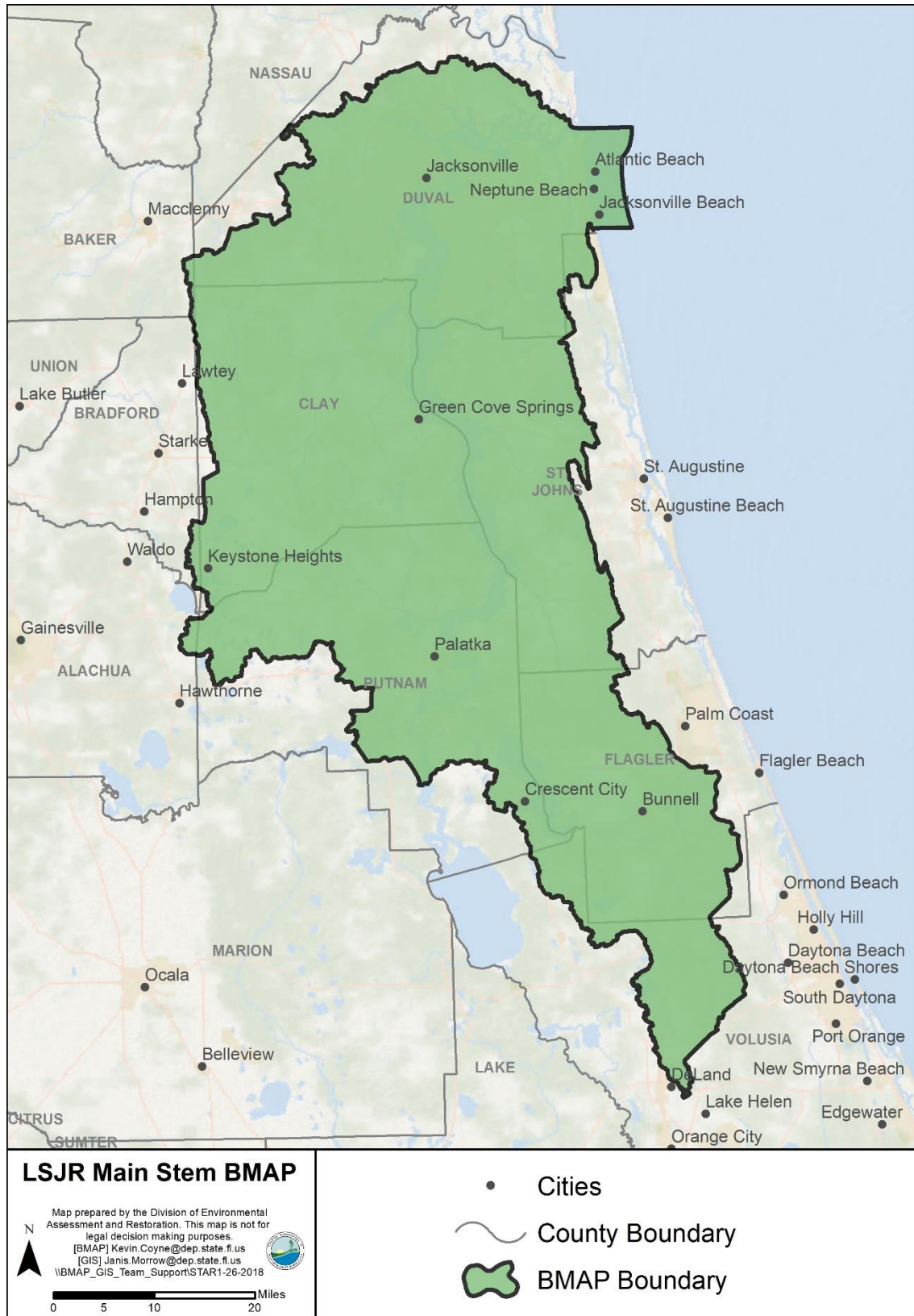


Figure C-17. LSJR Main Stem BMAP area

Table C-7. LSJR Main Stem BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDACS	Agricultural Producers	AG-01	Agriculture	Agricultural BMPs are practical, cost-effective actions that agricultural producers can take to reduce amount of pesticides, fertilizers, animal waste, and other pollutants entering water resources; and to increase water use efficiencies.	Agricultural BMPs	Underway	TBD	N/A	N/A	Freshwater	57,763.0	N/A	N/A	FDACS	Not provided	N/A
FDACS	Agricultural Producers	AG-02	Agriculture	Formerly called "Deep Creek West (Yarborough) RST" in BMAP.	Regional Stormwater Treatment	Underway	TBD	N/A	N/A	Freshwater	Not provided	Not provided	Not provided	FDACS	Not provided	N/A
FDACS	Agricultural Producers	AG-03	Agriculture	Edgefield RST.	Regional Stormwater Treatment	Canceled	N/A	N/A	N/A	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Agricultural Producers	AG-04	Agriculture	New RST.	Regional Stormwater Treatment	Canceled	N/A	N/A	N/A	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Agricultural Producers	AG-05	Agriculture	New RST.	Regional Stormwater Treatment	Canceled	N/A	N/A	N/A	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	Not provided	CC-01	CC MS4 FLR04E045	Education program.	Public Education Efforts	Completed	N/A	244	36	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	FDOT	CC-02	CC MS4 FLR04E045	FDOT SR 21 widening from SR 215 to CR 220.	Dry Detention Pond	Completed	Prior to 2008	11	5	Freshwater	Not provided	Not provided	Not provided	FDOT/ State Legislature	N/A	N/A
Clay County MS4	CCUA	CC-03	CC MS4 FLR04E045	Trade with CCUA-05 with trading factors applied to total 2,850 kg TN; 7,973 kg TP sale, also applied in CC-06.	Other	Completed	2009	900	2,922	Freshwater	N/A	N/A	N/A	N/A	N/A	N/A
Clay County Non-MS4	Not provided	CC-04	CC Non-MS4	Education program.	Public Education Efforts	Completed	N/A	491	68	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Clay County Non-MS4	FDOT	CC-05	CC Non-MS4	FDOT construction of 7 wet ponds on SR 15 from Putnam County line to SR 16.	Wet Detention Pond	Completed	Prior to 2008	378	197	Freshwater	Not provided	Not provided	Not provided	FDOT/ State Legislature	N/A	N/A
Clay County Non-MS4	CCUA	CC-06	CC Non-MS4	Trade with CCUA-05 with trading factors applied to	Other	Completed	2009	N/A	325	Freshwater	N/A	N/A	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				total 2,850 kg TN; 7,973 kg TP sale, also applied in CC-06.												
Clay County MS4	Seminole Electric	CC-07	CC MS4 FLR04E045	Atmospheric deposition load reduction – Seminole Electric selective catalytic reduction (SCR) upgrade.	Atmospheric Deposition Reduction	Completed	2010	519	N/A	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Clay County Non-MS4	Seminole Electric	CC-08	CC Non-MS4	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	1,155	N/A	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	Clay County/ FDOT	CC-24	CC MS4 FLR04E045	CR 220 widening stormwater retention.	Control Structure	Planned	2023	TBD	N/A	Freshwater	12.5	\$13,000,000	\$10,000	State/ Federal/ Local	\$13,000,000	Not provided
City of Jacksonville (COJ)/ FDOT MS4	N/A	COJ-144	COJ MS4 FLS000012	SR 15 add lanes San Mateo.	STA	Completed	N/A	115	60	Freshwater	85.5	\$16,500,000	Not available	Legislature	\$16,500,000	N/A
City of Green Cove Springs	Not provided	GCS-01	GCS – Harbor Rd. FL0020915, South FL0030210	Reuse to golf course.	Stormwater Reuse	Canceled	10/31/2011	N/A	6,035	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Green Cove Springs	Not provided	GCS-02	GCS – Harbor Rd. FL0020915, South FL0030210	Convert to modified Ludzack-Ettinger treatment process and alum feed.	Other	Canceled	10/31/2011	N/A	1,025	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Green Cove Springs	Not provided	GCS-03	GCS – Harbor Rd. FL0020915, South FL0030210	Operational changes.	WWTF Nutrient Reduction	Completed	2011	21,210	5,469	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Green Cove Springs MS4	Not provided	GCS-03	GCS MS4 FLR04E103	Southwest drainage system improvements.	Wet Detention Pond	Completed	prior to 2008	62	33	Freshwater	55	Not provided	Not provided	Not provided	Not provided	N/A
City of Green Cove Springs MS4	Not provided	GCS-04	GCS MS4 FLR04E103	Cypress baffle box.	Baffle Boxes – 1st Generation (hydrodynamic separator)	Completed	prior to 2009	33	13	Freshwater	125	Not provided	Not provided	Not provided	Not provided	N/A
City of Green Cove Springs MS4	Not provided	GCS-05	GCS MS4 FLR04E103	Green Cove Springs Industrial Park.	Wet Detention Pond	Completed	prior to 2010	128	68	Freshwater	92	Not provided	Not provided	Not provided	Not provided	N/A
City of Green Cove Springs MS4	Not provided	GCS-06	GCS MS4 FLR04E103	Vystar Credit Union.	Dry Detention Pond	Completed	prior to 2011	1	0	Freshwater	2	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Green Cove Springs MS4	Seminole Electric	GCS-07	GCS MS4 FLR04E103	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	1,305	N/A	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Green Cove Springs MS4	Seminole Electric	GCS-07	GCS MS4 FLR04E103	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	1,305	N/A	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Georgia-Pacific	Not provided	GP-01	Georgia-Pacific	Complete process improvements.	WWTF Nutrient Reduction	Completed	Prior to 2008	202,941	67,525	Freshwater	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Town of Hastings Non-MS4	Not provided	HAS-01	Hastings Non-MS4	WWTP chemical feed systems.	Alum Injection Systems	Completed	2008	388	548	Freshwater	Not provided	\$10,000	Not provided	Not provided	Not provided	N/A
Town of Hastings Non-MS4	FDOT	HAS-02	Hastings Non-MS4	FDOT widening of SR 207.	Wet Detention Pond	Completed	Prior to 2008	15	8	Freshwater	12	Not provided	Not provided	Legislature	N/A	N/A
Town of Hastings Non-MS4	FDOT	HAS-03	Hastings Non-MS4	FDOT widening of SR 207 from CR 305 to Cypress Link Blvd.	Wet Detention Pond	Completed	Prior to 2008	143	74	Freshwater	106	Not provided	Not provided	Legislature	N/A	N/A
Town of Hastings Non-MS4	Seminole Electric	HAS-04	Hastings Non-MS4	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	119	N/A	Freshwater	N/A	N/A	N/A	N/A	N/A	N/A
Town of Hastings Non-MS4	St. Johns County	HAS-05	Hastings Non-MS4	Credit traded to SJC-36,198 kg of TP freshwater.	Other	Completed	2010	N/A	-436	Freshwater	N/A	N/A	N/A	N/A	N/A	N/A
City of Palatka WWTF	Not provided	PAL-01	Palatka WWTF FL0040061	Reuse to golf course.	Stormwater Reuse	Completed	Prior to 2008	28,600	3,806	Freshwater	N/A	\$2,500,000	Not provided	Not provided	Not provided	N/A
City of Palatka WWTF	Not provided	PAL-02	Palatka WWTF FL0040061	Reuse to ballfields.	Stormwater Reuse	Completed	2008	11,499	1,520	Freshwater	N/A	\$650,000	Not provided	Not provided	Not provided	N/A
City of Palatka WWTF	Not provided	PAL-03	Palatka WWTF FL0040061	Reuse to cemeteries.	Stormwater Reuse	Completed	2009	20,000	2,651	Freshwater	N/A	\$1,250,000	Not provided	Not provided	Not provided	N/A
City of Palatka WWTF	Not provided	PAL-04	Palatka WWTF FL0040061	Reuse at WTP.	Stormwater Reuse	Completed	2009	25,799	3,421	Freshwater	N/A	\$787,000	Not provided	Not provided	Not provided	N/A
City of Palatka WWTF	Not provided	PAL-05	Palatka WWTF FL0040061	Zero discharge.	No Discharge	Completed	2014	48,057	10,503	Freshwater	N/A	\$8,500,000	Not provided	DEP/ SJRWMD	Not provided	Not provided
City of Palatka Non-MS4	Seminole Electric	PAL-06	Palatka Non-MS4	Atmospheric deposition load reduction –	Atmospheric Deposition Reduction	Completed	2010	1,815	N/A	Freshwater	N/A	\$176,000,000	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Seminole Electric SCR upgrade.												
City of Palatka Non-MS4	Not provided	PAL-07	Palatka Non-MS4	Downtown watershed first-flush treatment.	STAs	Completed	2015	4	1	Freshwater	N/A	Not provided	Not provided	Not provided	\$160,000	N/A
City of Palatka Non-MS4	SJRWMD/ Better Place	PAL-08	Palatka Non-MS4	Booker Park Regional Pond.	Stormwater Reuse	Underway	2020	785	151	Freshwater	130.0	\$1,500,000	\$20,000	SJRWMD/ Better Place Plan Funding	SJRWMD – Phase 1 \$440,000	N/A
City of Palatka Non-MS4	SJRWMD/ Community Redevelopment Funding	PAL-09	Palatka Non-MS4	South Historic District Pretreatment.	Exfiltration Trench	Underway	2020	TBD	TBD	Freshwater	45.0	\$1,400,000	\$10,000	SJRWMD, TIF	SJRWMD – \$500,000	N/A
City of Palatka WWTF	Tater Farms	PAL-10	Palatka WWTF FL0040061	Reuse to 200+ ac of agriculture (0.5 mgd of use).	Reclaimed Water	Planned	2021	TBD	TBD	Freshwater	N/A	\$1,200,000	\$20,000	SJRWMD, Utility	SJRWMD – \$1,109,220	N/A
Putnam County Non-MS4	Not provided	PUT-01	Putnam Non-MS4	Phase out Putnam Lanes WWTF.	WWTF Upgrade	Completed	Prior to 2008	110	28	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Putnam County Non-MS4	Not provided	PUT-02	Putnam Non-MS4	Phase out Hiawatha WWTF.	WWTF Upgrade	Completed	2015	330	110	Freshwater	N/A	\$1,800,000	Not provided	Not provided	Not provided	N/A
Putnam County Non-MS4	Not provided	PUT-03	Putnam Non-MS4	Septic tank phase out.	Septic Tank PhaseOut	Underway	2016	1,551	656	Freshwater	N/A	\$1,800,000	Not provided	Not provided	Not provided	N/A
Putnam County Non-MS4	Not provided	PUT-04	Putnam Non-MS4	Edgefield RST O&M value.	Regional Stormwater Treatment	Completed	2014	1,307	592	Freshwater	N/A	\$325,000	Not provided	Not provided	Not provided	N/A
Putnam County Non-MS4	FDOT	PUT-05	Putnam Non-MS4	FDOT construction of 7 wet ponds on SR 15 from Clay County line to south of Gordon Wilkins Rd.	Wet Detention Pond	Completed	Prior to 2008	1,591	829	Freshwater	1,181	Not provided	Not provided	Legislature	Not provided	N/A
Putnam County Non-MS4	Not provided	PUT-06	Putnam Non-MS4	Algal initiative.	Other	Underway	10/31/2017	4,275	1,814	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Putnam County Non-MS4	Seminole Electric	PUT-07	Putnam Non-MS4	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	8,923	N/A	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Putnam County Non-MS4	Not provided	PUT-08	Putnam Non-MS4	Education and outreach.	Public Education Efforts	Completed	N/A	3,119	428	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Putnam County Non-MS4	SJRWMD	PUT-09	Putnam Non-MS4	Phase 1 – Force main installation from Paradise Point to Yelvington Rd. Master Lift Station.	Wastewater Service Area Expansion	Underway	10/1/2019	270	45	Freshwater	16.0	\$2,500,000	TBD	Putnam County/ SJRWMD Cost-Share	Putnam County – \$500,000 SJRWMD – \$2,000,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Seminole Electric	Not provided	SE-01	Seminole Electric Total	SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	13,891	N/A	Freshwater	N/A	\$176,000,000	Not provided	Seminole Electric	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-01	SJC Non-MS4	Purchase of street sweeper.	Street Sweeping	Canceled	N/A	N/A	N/A	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-02	SJC Non-MS4	Street sweeping.	Street Sweeping	Canceled	N/A	N/A	N/A	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-03	SJC Non-MS4	Stormwater education.	Public Education Efforts	Completed	N/A	2,372	410	Freshwater	N/A	N/A	\$20,000	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-04	SJC Non-MS4	LID.	Regulations, Ordinances, and Guidelines	Planned	N/A	N/A	N/A	Freshwater	N/A	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-05	SJC Non-MS4	Slow-release fertilizer ordinance.	Regulations, Ordinances, and Guidelines	Completed	2010	TBD	TBD	Freshwater	N/A	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-06	SJC Non-MS4	Deep Creek RST O&M value.	Regional Stormwater Treatment	Completed	2011	689	563	Freshwater	Not provided	Not provided	\$65,000	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-07	SJC Non-MS4	Purchase Hastings WWTF reduction credits HAS-05.	Other	Completed	2010	N/A	436	Freshwater	N/A	N/A	\$30,000	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-08	SJC Non-MS4	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	4,261	N/A	Freshwater	N/A	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-27	SJC Non-MS4	Application of freshwater non-MS4 TN credits to marine non-MS4 section.	Other	Completed	2010	-3,060	N/A	Freshwater	N/A	N/A	N/A	N/A	N/A	N/A
Town of Welaka Non-MS4	Not provided	WEL-01	Welaka Non-MS4	Septic tank phase out.	Septic Tank Phase Out	Underway	10/31/2017	901	337	Freshwater	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Town of Welaka Non-MS4	Seminole Electric	WEL-02	Welaka Non-MS4	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	220	N/A	Freshwater	N/A	N/A	N/A	N/A	N/A	N/A
City of Atlantic Beach	Not provided	AB-01	Buccaneer WWTP FL0023248	Complete upgrade to sequencing batch reactor.	WWTF Upgrade	Completed	prior to 2008	21,967	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Atlantic Beach	Not provided	AB-02	Main WWTP FL0038776	Upgrade to biological nutrient removal and flow transfer from Buccaneer WWTF.	WWTF Upgrade	Completed	2013	48,661	N/A	Marine	N/A	\$9,000,000	Not provided	DEP SRF Loan – \$8,000,000 SJRWMD grant – \$1,000,000)	\$9,000,000	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Atlantic Beach	SJRWMD	AB-03	Main WWTP FLS0038776	Atlantic Beach Country Club reclaimed facilities.	WWTF Diversion to Reuse	Completed	2014	4,566	N/A	Marine	N/A	\$1,410,528	Not provided	SJRWMD Cost-Share	\$442,000	N/A
City of Atlantic Beach	Not provided	AB-04	Atlantic Bch MS4 FLS000012	Core City Capital Improvement Project: Stormwater, sanitary sewer, and water system upgrades.	Baffle Boxes – 2nd Generation with Media	Completed	prior to 2008	1,450	N/A	Marine	180.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Atlantic Beach	Not provided	AB-05	Atlantic Bch MS4 FLS000012	Hopkins Creek stormwater treatment system.	Wet Detention Pond	Completed	2008	26	N/A	Marine	53.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Atlantic Beach	FDOT	AB-06	Atlantic Bch MS4 FLS000012	FDOT widening of SR 10 (Atlantic Blvd.) roadway and bridge upgrade.	Wet Detention Pond	Completed	prior to 2008	110	N/A	Marine	152.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Atlantic Beach	FDOT	AB-07	Atlantic Bch MS4 FLS000012	FDOT Atlantic Blvd. and Mayport Rd. interchange.	Wet Detention Pond	Completed	prior to 2008	40	N/A	Marine	50.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Atlantic Beach	FDOT	AB-08	Atlantic Bch MS4 FLS000012	FDOT Wonderwood Connector Segment 1 – Girvin to Sandcastle.	Wet Detention Pond	Completed	prior to 2008	13	N/A	Marine	70.00	Not provided	Not provided	Not provided	Not provided	N/A
City of Atlantic Beach	Seminole Electric	AB-09	Atlantic Bch MS4 FLS000012	Atmospheric deposition load reduction – Seminole Electric SCR Upgrade.	Atmospheric Deposition Reduction	Completed	2010	172	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Atlantic Beach	N/A	AB-10	Atlantic Bch MS4 FLS000012	Identifies improvements for future capital projects.	Studies	Underway	6/1/2018	N/A	N/A	Marine	N/A	\$190,000	N/A	City of Atlantic Beach	\$190,000	N/A
City of Atlantic Beach	SJRWMD	AB-11	Atlantic Bch MS4 FLS000012	Phasing out existing septic tanks.	Septic Tank Phase Out	Planned	7/1/2019	TBD	TBD	Marine	N/A	\$400,000	TBD	City of Atlantic Beach/ SJRWMD	\$200,000 / \$200,000	N/A
FDACS	Agricultural Producers	AG-01	Agriculture	Agricultural BMPs are practical, cost-effective actions that agricultural producers can take to reduce amount of pesticides, fertilizers, animal waste, and other pollutants entering water resources, and to increase water use efficiencies.	Agricultural BMPs	Underway	TBD	N/A	N/A	Marine	57,763.0	N/A	N/A	FDACS	Not provided	N/A
Anheuser Busch	Not provided	ANB-01	Anheuser Busch –	Complete process improvements.	WWTF Upgrade	Completed	2006	26,358	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
			Main St.													
Camp Blanding Non-MS4	Not provided	CB-01	Camp Blanding	Regrade existing swale system (completed through 2013).	Grass Swales without Swale Blocks or Raised Culverts	Completed	Not provided	1,552	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Camp Blanding Non-MS4	Not provided	CB-02	Camp Blanding	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	WWTF Nutrient Reduction	Completed	Not provided	216	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Camp Blanding Non-MS4	Not provided	CB-03	Camp Blanding	Completed stormwater projects.	Online Retention BMPs	Completed	2014	105	N/A	Marine	33.0	Not provided	Not provided	Not provided	Not provided	N/A
Camp Blanding Non-MS4	Not provided	CB-04	Camp Blanding	Regrade existing swale system (80 mi).	Grass Swales without Swale Blocks or Raised Culverts	Completed	2/10/2017	1,760	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	Clay County	CC-09	CC MS4 FLR04E045	Wells Rd. improvements.	Wet Detention Pond	Completed	Prior to 2008	20	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	Clay County	CC-10	CC MS4 FLR04E045	CR 224 Phase I.	Wet Detention Pond	Completed	Prior to 2009	84	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	Clay County	CC-11	CC MS4 FLR04E045	CR 224 Phase II.	Wet Detention Pond	Completed	Prior to 2010	150	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	Clay County	CC-12	CC MS4 FLR04E045	Education program.	Public Education Efforts	Completed	N/A	2,222	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	FDOT	CC-13	CC MS4 FLR04E045	FDOT construction of stormwater management systems for Clay County recreational trail on SR 15.	Wet Detention Pond	Completed	Prior to 2008	198	N/A	Marine	Not provided	Not provided	Not provided	Legislature	N/A	N/A
Clay County MS4	FDOT	CC-14	CC MS4 FLR04E045	FDOT SR 15 widening at Fleming Island.	Wet Detention Pond	Completed	Prior to 2008	2,939	N/A	Marine	Not provided	Not provided	Not provided	Legislature	N/A	N/A
Clay County MS4	FDOT	CC-15	CC MS4 FLR04E045	FDOT SR 15 widening at Fleming Island from Village Sq. Park Rd. to south of Margarets Walk Rd.	Wet Detention Pond	Completed	Prior to 2008	1,461	N/A	Marine	Not provided	Not provided	Not provided	Legislature	N/A	N/A
Clay County MS4	Seminole Electric	CC-16	CC MS4 FLR04E045	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	1,861	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Clay County Non-MS4	Clay County	CC-17	CC Non-MS4	Education program.	Public Education Efforts	Completed	N/A	1,060	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Clay County Non-MS4	FDOT	CC-18	CC Non-MS4	FDOT SR 23 improvements from	Wet Detention Pond	Completed	Prior to 2008	152	N/A	Marine	Not provided	Not provided	Not provided	FDOT/ Legislature	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Kindlewood Rd. to Duval County line – 5 systems.												
Clay County Non-MS4	Seminole Electric	CC-19	CC Non-MS4	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	Prior to 2008	865	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	Clay County	CC-20	CC MS4 FLR04E045	CR 729 widening from CR 218 to Black Creek Bridge.	Wet Detention Pond	Completed	2014	99	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	Clay County	CC-21	CC MS4 FLR04E045	Old Jennings Rd. widening from Blanding Blvd. to Branan Field Rd.	Wet Detention Pond	Completed	2012	37	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	Clay County	CC-22	CC MS4 FLR04E045	College Dr. Ponds A and B.	Wet Detention Pond	Completed	2014	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Clay County MS4	Clay County	CC-23	COJ MS4 FLS000012	Education program.	Public Education Efforts	Completed	N/A	TBD	N/A	Marine	Not provided	\$10,000	Not provided	Ad valorem	\$10,000	N/A
Clay County Utility Authority (CCUA) Aggregate	Not provided	CCUA-01	Fleming Island WWTF FL0043834	Upgrade to A Prototype Realistic Innovative Community of Today (APRICOT) and reuse.	WWTF Upgrade	Completed	Prior to 2008	40,029	N/A	Marine	N/A	\$4,143,944	\$474,020	Not provided	Not provided	N/A
CCUA Aggregate	Not provided	CCUA-02	Miller St. WWTF FL0025151	Reuse water upgrades including Spencer WWTP.	WWTF Upgrade	Completed	2011	35,670	N/A	Marine	N/A	\$16,255,437	\$311,360	Not provided	Not provided	N/A
CCUA Aggregate	Not provided	CCUA-03	Miller St. WWTF FL0025151	WWTF improvements to meet APRICOT standards.	WWTF Nutrient Reduction	Completed	Prior to 2008	22,737	N/A	Marine	N/A	\$5,889,193	\$133,520	Not provided	Not provided	N/A
CCUA Aggregate	DEP/ SJRWMD	CCUA-04	Mid-Clay Reclaimed Land Application and Recovery System	Project increases capacity of RIBs at CCUA Mid-Clay WWTF, allowing CCUA to land apply additional 1.235 mgd of treated effluent that would otherwise be discharged into St. Johns River.	WWTF Disposal Site	Completed	Not provided	11,286	3,348	Marine	N/A	\$2,836,095	\$6,445	SRF Loan/ SJRWMD Cost-Share Agreement	SJRWMD – \$1,030,853 SRF Loan – \$1,735,142	WW858050
CCUA Aggregate	Clay County	CCUA-05	Trade	Trade with CC-03 and CC-06. Sold TN 2,850 kg and TP 7,973 kg.	Other	Completed	2009	-6,270	-17,541	Marine	N/A	Not provided	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-001	COJ MS4 FLS000012	Big Fishweir Creek-Murray Hill Phase I – Drainage improvements.	Baffle Boxes – 2nd Generation	Completed	Prior to 2008	176	N/A	Marine	219	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
COJ/ FDOT MS4	Not provided	COJ-002	COJ MS4 FLS000012	Sixmile Creek-West 1st St./Melson Ave. – Drainage improvements.	Wet Detention Pond	Completed	Prior to 2008	1,034	N/A	Marine	254	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-003	COJ MS4 FLS000012	McCoys Creek Ponds A and B.	Wet Detention Pond	Completed	Prior to 2008	1,650	N/A	Marine	680	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-004	COJ MS4 FLS000012	McCoys Creek Pond F.	Wet Detention Pond	Completed	Prior to 2008	22	N/A	Marine	11	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-005	COJ MS4 FLS000012	Riverside Ave. – Baffle boxes.	Baffle Boxes – 2nd Generation	Completed	Prior to 2008	88	N/A	Marine	70	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-006	COJ MS4 FLS000012	St. Augustine Rd. (Emerson to US 1) – Regional pond facilities.	Wet Detention Pond	Completed	Prior to 2008	440	N/A	Marine	167	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-007	COJ MS4 FLS000012	Powers Ave./Old Kings Rd. – Regional pond facilities.	Wet Detention Pond	Completed	Prior to 2008	1,364	N/A	Marine	520	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-008	COJ MS4 FLS000012	Fouraker Rd. – From Old Middleburg Rd. to Normandy Blvd. Regional pond facilities.	Wet Detention Pond	Completed	Prior to 2008	88	N/A	Marine	32	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-009	COJ MS4 FLS000012	Greenland Rd. from St. Augustine Rd. to Coastal Lane – Detention pond facilities.	Wet Detention Pond	Completed	Prior to 2008	66	N/A	Marine	33	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-010	COJ MS4 FLS000012	Barnes Rd. from University Blvd. to Parental Home Rd. – Detention pond facilities.	Wet Detention Pond	Completed	Prior to 2008	44	N/A	Marine	97	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-011	COJ MS4 FLS000012	Emerson St. from Emerson St. Expwy to Spring Glenn Rd. – Detention pond facility.	Wet Detention Pond	Completed	Prior to 2008	44	N/A	Marine	17	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-012	COJ MS4 FLS000012	Bowden Rd. from US Hwy. 1 to Salisbury Rd. – Detention pond facilities.	Wet Detention Pond	Completed	Prior to 2008	286	N/A	Marine	98	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-013	COJ MS4 FLS000012	Parental Home Rd. Phase I (Bowden Rd. from Salisbury Rd. to Dean Rd.) – Detention pond facility.	Wet Detention Pond	Completed	Prior to 2008	44	N/A	Marine	28	Not provided	Not provided	Not provided	Not provided	N/A

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COJ/ FDOT MS4	Not provided	COJ-014	COJ MS4 FLS000012	Parental Home Rd. Phase II (Beach Blvd. to Ibach Rd.) – Detention pond facility.	Wet Detention Pond	Completed	Prior to 2008	22	N/A	Marine	82	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-015	COJ MS4 FLS000012	Lorretto Rd. from SR 13 to Old St. Augustine Rd. – Detention pond facilities.	Wet Detention Pond	Completed	Prior to 2008	110	N/A	Marine	55	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-016	COJ MS4 FLS000012	Belford Rd.- Pottsburg Creek to Touchton Rd. – Detention pond facilities.	Wet Detention Pond	Completed	Prior to 2008	22	N/A	Marine	20	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-017	COJ MS4 FLS000012	Royal Terrace Phases A+B+C+D+E+1+2+3+4 – Master pond facility.	Wet Detention Pond	Completed	Prior to 2008	902	N/A	Marine	332	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-018	COJ MS4 FLS000012	University Pointe regional pond facility.	Wet Detention Pond	Completed	Prior to 2008	330	N/A	Marine	102	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-019	COJ MS4 FLS000012	Cleveland Rd. Phase I-B wet detention pond.	Wet Detention Pond	Completed	Prior to 2008	330	N/A	Marine	269	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-020	COJ MS4 FLS000012	Hogan Creek.	Wet Detention Pond	Completed	Prior to 2008	110	N/A	Marine	48	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-021	COJ MS4 FLS000012	McCoy Creek Pond D.	Wet Detention Pond	Completed	Prior to 2008	66	N/A	Marine	27	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-022	COJ MS4 FLS000012	Upper Deer Creek – RSF.	Wet Detention Pond	Completed	Prior to 2008	1,848	N/A	Marine	537	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-023	COJ MS4 FLS000012	Hugh Edwards Canal.	Wet Detention Pond	Completed	Prior to 2008	1,672	N/A	Marine	329	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-024	COJ MS4 FLS000012	Cedar River outfall improvements.	Wet Detention Pond	Completed	Prior to 2008	1,166	N/A	Marine	1,452	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-025	COJ MS4 FLS000012	Sandalwood Canal.	Wet Detention Pond	Completed	2008	1,936	N/A	Marine	3,118	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-026	COJ MS4 FLS000012	Moncrief Creek.	Wet Detention Pond	Completed	Prior to 2008	1,430	N/A	Marine	619	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-027	COJ MS4 FLS000012	Lincoln Villas East Side – Regional pond facility.	Wet Detention Pond	Completed	Prior to 2008	220	N/A	Marine	185	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-028	COJ MS4 FLS000012	Old Middleburg Rd. from Wilson Blvd. to 103rd St. – Regional pond facilities.	Wet Detention Pond	Completed	Prior to 2008	462	N/A	Marine	192	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-029	COJ MS4 FLS000012	Lakeshore Woodcrest drainage improvements.	Wet Detention Pond	Completed	Prior to 2008	968	N/A	Marine	296	Not provided	Not provided	Not provided	Not provided	N/A

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COJ/ FDOT MS4	Not provided	COJ-030	COJ MS4 FLS000012	Townsend Rd. drainage improvements.	Wet Detention Pond	Completed	Prior to 2008	132	N/A	Marine	151	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-031	COJ MS4 FLS000012	Lenox Ave. (Hwy. to McDuff).	Wet Detention Pond	Completed	Prior to 2008	396	N/A	Marine	108	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-032	COJ MS4 FLS000012	Wesconnett Blvd. (Blanding to Blanding).	Wet Detention Pond	Completed	Prior to 2008	88	N/A	Marine	396	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-033	COJ MS4 FLS000012	Durkeeville West.	Wet Detention Pond	Completed	Prior to 2008	352	N/A	Marine	106	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-034	COJ MS4 FLS000012	Huffman Blvd.	Wet Detention Pond	Completed	Prior to 2008	44	N/A	Marine	16	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-035	COJ MS4 FLS000012	Spring Park Rd./ Emerson to University.	Wet Detention Pond	Completed	Prior to 2008	110	N/A	Marine	36	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-036	COJ MS4 FLS000012	Barnes Rd./Kennerly to University.	Wet Detention Pond	Completed	Prior to 2008	1,584	N/A	Marine	418	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-037	COJ MS4 FLS000012	Pritchard Rd. (Jones to I-295).	Wet Detention Pond	Completed	Prior to 2008	0	N/A	Marine	116	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-038	COJ MS4 FLS000012	Lenox (Lane to Normandy).	Wet Detention Pond	Completed	Prior to 2008	66	N/A	Marine	47	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-039	COJ MS4 FLS000012	Cahoon Rd., Phase I.	Wet Detention Pond	Completed	Prior to 2008	44	N/A	Marine	23	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-040	COJ MS4 FLS000012	Pulaski Rd. (Eastport Dr. to New Berlin Rd.).	Wet Detention Pond	Completed	Prior to 2008	44	N/A	Marine	19	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-041	COJ MS4 FLS000012	Lamoya roadway project.	Wet Detention Pond	Completed	Prior to 2008	0	N/A	Marine	17	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-042	COJ MS4 FLS000012	LSJR upstream of Trout River.	Wet Detention Pond	Planned	12/31/2023	5,500	N/A	Marine	3,141	N/A	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-042a	COJ MS4 FLS000012	McCoy Creek Pond C (LSJR upstream of Trout River) – compensatory treatment #40-031-18070-4 #40-031-115242-1.	Wet Detention Pond	Completed	2014	385	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-042b	COJ MS4 FLS000012	McCoy Creek Burke Lime Pit (LSJR upstream of Trout River).	Wet Detention Pond	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-042c	COJ MS4 FLS000012	Miruelo Cir. Drainage Improvements (LSJR upstream of Trout River) – Changed from bioswale to erosion control only	Other	Underway	TBD	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A

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				in 2011 #400-031-89582-2.												
COJ/ FDOT MS4	Not provided	COJ-042d	COJ MS4 FLS000012	Paul Ave. outfall (LSJR upstream of Trout River).	Wet Detention Pond	Completed	2013	35	N/A	Marine	Not provided	Not provided	Not provided	Not provided	\$1M Grant	N/A
COJ/ FDOT MS4	Not provided	COJ-042e	COJ MS4 FLS000012	Smith-Broward Pond (LSJR upstream of Trout River) #40-031-114255-1.	Wet Detention Pond	Completed	2010	55	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-042f	COJ MS4 FLS000012	Pine Forest/Larsen Acres (LSJR upstream of Trout River) #4-031-105859-1.	Wet Detention Pond	Completed	2012	14	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-042g	COJ MS4 FLS000012	Upper Deer Creek Phase 3 (LSJR upstream of Trout River); wet detention pond with MAPS #40-031-17913-5.	Wet Detention Pond	Completed	2011	211	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-042h	COJ MS4 FLS000012	Newton Drainage main trunk line improvement (Myrtle and Beaver) (LSJR upstream of Trout River) – Changed from wet detention to flood control only.	Other	Canceled	N/A	N/A	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-042i	COJ MS4 FLS000012	Air Liquide Pond Retrofit (LSJR upstream of Trout River) Compensatory Treatment #40-031-125423-1.	Wet Detention Pond	Underway	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-042j	COJ MS4 FLS000012	Durkeville West Pond Expansion (LSJR upstream Trout River).	Wet Detention Pond	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-042k	COJ MS4 FLS000012	Lower Eastside Phase III Drainage Improvements (LSJR upstream Trout River).	Wet Detention Pond	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Naval Air Station (NAS) Jacksonville	COJ-042l	COJ MS4 FLS000012	NAS Jacksonville Reuse Partnering Project (LSJR upstream Trout River).	Stormwater Reuse	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A

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COJ/ FDOT MS4	Not provided	COJ-042m	COJ MS4 FLS000012	Kennedy Center LID Project (LSJR upstream Trout River).	Stormwater Reuse	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-042n	COJ MS4 FLS000012	Melba/Green Street (LSJR upstream Trout River) #40-031-115242-1.	Wet Detention Pond	Completed	2013	484	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-043	COJ MS4 FLS000012	Ortega River.	Wet Detention Pond	Planned	12/31/2023	10,120	N/A	Marine	7,169	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-043a	COJ MS4 FLS000012	Hugh Edwards Rd. Drainage (Ortega River Basin) – Changed from wet detention 2010 to erosion control only 2011 #40-031-96682-2.	Other	Canceled	N/A	N/A	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-043b	COJ MS4 FLS000012	Venetia Terrace Drainage (Ortega River Basin) – Changed from wet detention to flood control only #40-031-112908-1.	Other	Canceled	N/A	N/A	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-043c	COJ MS4 FLS000012	Pinedale Area (Ortega River Basin).	Wet Detention Pond	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-043d	COJ MS4 FLS000012	Country Creek area drainage improvements (Ortega River Basin).	Other	Completed	2015	0	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	SJRWMD	COJ-043e	COJ MS4 FLS000012	Crystal Springs area drainage (Ortega River).	Wet Detention Pond	Completed	Dec-17	741	246	Marine	228	\$3,859,944	\$500	State and Tribal Assistance Grants (STAG)/ SJRWMD	STAG – \$944,300 SJRWMD – \$986,040	Contract #28469
COJ/ FDOT MS4	SJRWMD	COJ-043f	COJ MS4 FLS000012	Noroad/Lambing drainage (Ortega).	Wet Detention Pond	Completed	Dec-17	36	20	Marine	20	\$1,122,660	\$500	SJRWMD	SJRWMD – \$374,220	Contract #28729
COJ/ FDOT MS4	Not provided	COJ-043g	COJ MS4 FLS000012	Old Plank Rd. outfall.	Wet Detention Pond	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-044	COJ MS4 FLS000012	Arlington River.	Wet Detention Pond	Planned	12/31/2023	5,500	N/A	Marine	3,352	N/A	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-044a	COJ MS4 FLS000012	Woodland Acres/Oakwood Villa Area Drainage Phase I (Arlington River).	Wet Detention Pond	Completed	2010	18	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-044b	COJ MS4 FLS000012	Valens Dr. LID project (Arlington River).	Stormwater Reuse	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A

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COJ/ FDOT MS4	Not provided	COJ-044c	COJ MS4 FLS000012	Wurn Park LID project.	Stormwater Reuse	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-045	COJ MS4 FLS000012	LSJR downstream of Trout River.	Wet Detention Pond	Planned	12/31/2023	440	N/A	Marine	514	N/A	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-046	COJ MS4 FLS000012	Intracoastal Waterway.	Wet Detention Pond	Planned	12/31/2023	10,120	N/A	Marine	7,646	N/A	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-047	COJ MS4 FLS000012	Julington Creek.	Wet Detention Pond	Planned	12/31/2023	5,720	N/A	Marine	4,404	N/A	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-048	COJ MS4 FLS000012	Trout River.	Wet Detention Pond	Planned	12/31/2023	4,620	N/A	Marine	5,329	N/A	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-048a	COJ MS4 FLS000012	Messer area drainage (Trout River).	Wet Detention Pond	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-048b	COJ MS4 FLS000012	Bunche Dr. Pond (Trout River).	Wet Detention Pond	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-048c	COJ MS4 FLS000012	Riverview Drainage Improvements Phase I (Trout River) #40-031-97111-1.	Wet Detention Pond	Completed	2013	103	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-048d	COJ MS4 FLS000012	Leonid Rd. (Lower Trout River).	Wet Detention Pond	Completed	2015	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-049	COJ MS4 FLS000012	Broward River.	Wet Detention Pond	Planned	12/31/2023	1,540	N/A	Marine	837	N/A	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-050	COJ MS4 FLS000012	Dunn Creek.	Wet Detention Pond	Planned	12/31/2023	1,320	N/A	Marine	1,300	N/A	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-051	COJ MS4 FLS000012	Public education activities.	Public Education Efforts	Completed	N/A	28,921	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-052	COJ MS4 FLS000012	Septic tank phase out projects ¹ .	Septic Tank	Completed	12/31/2023	227,962	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-052a	COJ MS4 FLS000012	Oakwood Villas.	Septic Tank Phase Out	Completed	2012	2,739	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-052b	COJ MS4 FLS000012	Lake Forest.	Septic Tank Phase Out	Completed	2012	1,667	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-052c	COJ MS4 FLS000012	Scott Mill.	Septic Tank Phase Out	Completed	2012	2,565	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-052d	COJ MS4 FLS000012	Murray Hill B.	Septic Tank Phase Out	Completed	2012	10,781	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-052e	COJ MS4 FLS000012	Pernecia.	Septic Tank Phase Out	Completed	2012	2,779	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-052f	COJ MS4 FLS000012	Glynlea.	Septic Tank Phase Out	Completed	2012	2,853	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Seminole Electric	COJ-053	COJ MS4 FLS000012	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	15,237	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-054	COJ MS4 FLS000012	FDOT urban office reconstruction.	Dry Detention Pond	Completed	Prior to 2008	20	N/A	Marine	7	Not provided	Not provided	Legislature	N/A	N/A

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COJ/ FDOT MS4	Not provided	COJ-055	COJ MS4 FLS000012	FDOT Fort George Inlet Bridge.	Wet Detention Pond	Completed	Prior to 2008	13	N/A	Marine	18	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-056	COJ MS4 FLS000012	FDOT widening of Riverside area.	Wet Detention Pond	Completed	Prior to 2008	11	N/A	Marine	14	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-057	COJ MS4 FLS000012	FDOT widening of Merrill Rd. between Wompi Dr. and Milcoe Rd.	Wet Detention Pond	Completed	Prior to 2008	46	N/A	Marine	58	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-058	COJ MS4 FLS000012	FDOT widening of Merrill Rd. between 9A and Wompi Dr.	Wet Detention Pond	Completed	Prior to 2008	55	N/A	Marine	69	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-059	COJ MS4 FLS000012	FDOT widening of SR 13 to 6-lane divided highway.	Wet Detention Pond	Completed	Prior to 2008	139	N/A	Marine	174	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-060	COJ MS4 FLS000012	FDOT Beach Blvd. widening from Intracoastal Waterway to east of Penman.	Wet Detention Pond	Completed	Prior to 2008	20	N/A	Marine	25	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-061	COJ MS4 FLS000012	FDOT I-295 and SR 21 (Blanding) interchange upgrade.	Wet Detention Pond	Completed	Prior to 2008	33	N/A	Marine	42	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-062	COJ MS4 FLS000012	FDOT I-295 and SR 17 interchange expansion.	Wet Detention Pond	Completed	Prior to 2008	77	N/A	Marine	96	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-063	COJ MS4 FLS000012	FDOT JTB/Belfort Rd. interchange.	Wet Detention Pond	Completed	Prior to 2008	123	N/A	Marine	155	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-064	COJ MS4 FLS000012	FDOT Pine Ave. sidewalk.	Dry Detention Pond	Completed	Prior to 2008	20	N/A	Marine	7	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-065	COJ MS4 FLS000012	FDOT 9A from Baymeadows Rd. to I-95.	Wet Detention Pond	Completed	Prior to 2008	440	N/A	Marine	550	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-066	COJ MS4 FLS000012	FDOT widening of I-95 from St. Johns County line to 9A/I-295.	Wet Detention Pond	Completed	Prior to 2008	141	N/A	Marine	175	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-067	COJ MS4 FLS000012	FDOT widening of I-95 from I-295 to south of J. Turner Butler Blvd. (JTB).	Wet Detention Pond	Completed	Prior to 2008	352	N/A	Marine	441	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-068	COJ MS4 FLS000012	FDOT widening of SR 10 (Atlantic Blvd. from St. Johns Bluff to San Pablo).	Wet Detention Pond	Completed	Prior to 2008	873	N/A	Marine	1,096	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-069	COJ MS4 FLS000012	FDOT widening of Southside Blvd.	Dry Detention Pond	Completed	Prior to 2008	117	N/A	Marine	146	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-070	COJ MS4 FLS000012	FDOT new JTB/9A interchange.	Dry Detention Pond	Completed	Prior to 2008	972	N/A	Marine	339	Not provided	Not provided	Legislature	N/A	N/A

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COJ/ FDOT MS4	Not provided	COJ-071	COJ MS4 FLS000012	FDOT Southside (SR 115) Frontage Rd.	Wet Detention Pond	Completed	Prior to 2008	7	N/A	Marine	8	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-072	COJ MS4 FLS000012	FDOT I-95 from I-295 to Nassau County line south project.	Wet Detention Pond	Completed	Prior to 2008	231	N/A	Marine	291	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-073	COJ MS4 FLS000012	FDOT I-95 south of Clarke Rd. to I-295.	Wet Detention Pond	Completed	Prior to 2008	75	N/A	Marine	94	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-074	COJ MS4 FLS000012	FDOT 9A south project.	Wet Detention Pond	Completed	Prior to 2008	141	N/A	Marine	176	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-075	COJ MS4 FLS000012	FDOT 9A from south of Atlantic to Beach Blvd.	Wet Detention Pond	Completed	Prior to 2008	99	N/A	Marine	124	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-076	COJ MS4 FLS000012	FDOT I-295/I-95/9A interchange.	Wet Detention Pond	Completed	Prior to 2008	440	N/A	Marine	580	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-077	COJ MS4 FLS000012	FDOT Branan Field Chafee roadway project.	Wet Detention Pond	Completed	Prior to 2008	253	N/A	Marine	187	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-078	COJ MS4 FLS000012	FDOT Wonderwood Connector Segment 1 from Girvin to Sandcastle.	Wet Detention Pond	Completed	Prior to 2008	42	N/A	Marine	70	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-079	COJ MS4 FLS000012	FDOT Jacksonville International Airport (JIA) south access connector project.	Dry Detention Pond	Completed	Prior to 2008	180	N/A	Marine	63	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-080	COJ MS4 FLS000012	FDOT I-95 widening from Lem Turner to I-295.	Wet Detention Pond	Completed	Prior to 2008	92	N/A	Marine	117	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-081	COJ MS4 FLS000012	FDOT 4-laning of SR 13.	Wet Detention Pond	Completed	Prior to 2008	84	N/A	Marine	105	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-082	COJ MS4 FLS000012	FDOT SR 21 widening from south of Cedar River to east of Cassat.	Wet Detention Pond	Completed	Prior to 2008	15	N/A	Marine	19	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-083	COJ MS4 FLS000012	FDOT Arlington Expressway project.	Wet Detention Pond	Completed	Prior to 2008	22	N/A	Marine	27	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-084	COJ MS4 FLS000012	FDOT Merrill Rd./Southside Blvd. interchange project.	Wet Detention Pond	Completed	Prior to 2008	11	N/A	Marine	15	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-085	COJ MS4 FLS000012	FDOT Baymeadows from east of US Hwy. 1 to SR 13.	Wet Detention Pond	Completed	Prior to 2008	20	N/A	Marine	35	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-086	COJ MS4 FLS000012	FDOT SR 115/8th St. project.	Wet Detention Pond	Completed	Prior to 2008	24	N/A	Marine	31	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-087	COJ MS4 FLS000012	FDOT SR 115/8th St. project.	Wet Detention Pond	Completed	Prior to 2008	2	N/A	Marine	4	Not provided	Not provided	Legislature	N/A	N/A

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COJ/ FDOT MS4	Not provided	COJ-088	COJ MS4 FLS000012	FDOT JTB from I-95 to Gate Parkway.	Wet Detention Pond	Completed	Prior to 2008	46	N/A	Marine	58	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-089	COJ MS4 FLS000012	FDOT I-295 from west of Duval to Biscayne Blvd.	Wet Detention Pond	Completed	Prior to 2008	15	N/A	Marine	20	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-090	COJ MS4 FLS000012	FDOT Beaver St. (US Hwy. 90) from Stockton to Tyler.	Wet Detention Pond	Completed	Prior to 2008	7	N/A	Marine	7	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-091	COJ MS4 FLS000012	FDOT 9A from Baymeadows to JTB.	Wet Detention Pond	Completed	Prior to 2008	156	N/A	Marine	195	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-092	COJ MS4 FLS000012	FDOT JTB/A1A interchange.	Wet Detention Pond	Completed	Prior to 2008	7	N/A	Marine	20	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-093	COJ MS4 FLS000012	FDOT Southside Blvd./I-95 vconnector	Dry Detention Pond	Completed	Prior to 2008	218	N/A	Marine	76	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-094	COJ MS4 FLS000012	FDOT Beach Blvd. from west of Florida Community College at Jacksonville (FCCJ) to east of San Pablo.	Wet Detention Pond	Completed	4/31/2008	132	N/A	Marine	165	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-095	COJ MS4 FLS000012	FDOT widening of SR 13.	Dry Detention Pond	Completed	Prior to 2008	180	N/A	Marine	227	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-096	COJ MS4 FLS000012	FDOT Branan Field Chafee roadway project (Argyle Forest to 103rd).	Wet Detention Pond	Completed	Prior to 2008	88	N/A	Marine	112	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-097	COJ MS4 FLS000012	FDOT Branan Field Chafee roadway project (103rd to I-10).	Wet Detention Pond	Completed	Prior to 2008	121	N/A	Marine	150	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-098	COJ MS4 FLS000012	FDOT Southside (SR 115) and Beach Blvd. (SR 202) interchange and road widening.	Wet Detention Pond	Completed	Prior to 2008	26	N/A	Marine	33	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-099	COJ MS4 FLS000012	FDOT Wonderwood Connector Segment 2.	Wet Detention Pond	Completed	Prior to 2008	46	N/A	Marine	58	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-100	COJ MS4 FLS000012	FDOT JTB/Kernan project.	Wet Detention Pond	Completed	Prior to 2008	53	N/A	Marine	65	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-101	COJ MS4 FLS000012	FDOT I-95 from JTB to Emerson.	Dry Detention Pond	Completed	Prior to 2008	301	N/A	Marine	105	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-102	COJ MS4 FLS000012	FDOT Heckscher Dr./9A interchange-1 dry retention system (DRS).	Dry Detention Pond	Completed	Prior to 2008	196	N/A	Marine	103	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-103	COJ MS4 FLS000012	FDOT Heckscher Dr./9A interchange-2	Wet Detention Pond	Completed	Prior to 2008	55	N/A	Marine	68	Not provided	Not provided	Legislature	N/A	N/A

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				wet detention system (WDS).												
COJ/ FDOT MS4	Not provided	COJ-104	COJ MS4 FLS000012	FDOT Wonderwood Segment 3.	Wet Detention Pond	Completed	Prior to 2008	55	N/A	Marine	69	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-105	COJ MS4 FLS000012	FDOT Collins Rd. collector distributor.	Wet Detention Pond	Completed	Prior to 2008	112	N/A	Marine	142	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-106	COJ MS4 FLS000012	FDOT JTB/I-95 Ramp (40-031-18233-6).	Wet Detention Pond	Completed	Prior to 2008	44	N/A	Marine	54	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-107	COJ MS4 FLS000012	FDOT SR 5/US Hwy. 1 (209516-3-52-01).	Wet Detention Pond	Completed	Prior to 2008	22	N/A	Marine	27	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-108	COJ MS4 FLS000012	FDOT widening of SR 207.	Wet Detention Pond	Completed	Prior to 2008	15	N/A	Marine	12	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-109	COJ MS4 FLS000012	Lateral only connection (LOC) septic tank phase out of projects.	Wet Detention Pond	Completed	Prior to 2008	143	N/A	Marine	106	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-110	COJ MS4 FLS000012	FDOT widening of SR 207 from SR 15 (US Hwy. 17) to CR 207	Wet Detention Pond	Completed	Prior to 2008	726	N/A	Marine	538	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-111	COJ MS4 FLS000012	FDOT widening of I-95 from Flagler County line to SR 16.	Wet Detention Pond	Completed	Prior to 2008	561	N/A	Marine	800	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-112	COJ MS4 FLS000012	FDOT I-95 rest area reconstruction.	Wet Detention Pond	Completed	Prior to 2008	37	N/A	Marine	52	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-113	COJ MS4 FLS000012	FDOT widening of I-95 from World Golf Village to Duval County line.	Wet Detention Pond	Completed	Prior to 2008	521	N/A	Marine	537	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-114	COJ MS4 FLS000012	FDOT widening of SR 16.	Wet Detention Pond	Completed	Prior to 2008	48	N/A	Marine	68	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-115	COJ MS4 FLS000012	FDOT SR 207 from I-95 to SR 312.	Wet Detention Pond	Completed	Prior to 2008	73	N/A	Marine	102	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-116	COJ MS4 FLS000012	FDOT SR 207 from SR 312 to US Hwy. 1.	Wet Detention Pond	Completed	Prior to 2008	376	N/A	Marine	536	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-117	COJ MS4 FLS000012	FDOT stormwater education efforts in St. Johns County.	Public Education Efforts	Completed	N/A	629	N/A	Marine	N/A	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-118	COJ MS4 FLS000012	FDOT education efforts in COJ.	Public Education Efforts	Completed	N/A	3,214	N/A	Marine	N/A	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Seminole Electric	COJ-119	COJ MS4 FLS000012	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	1,692	N/A	Marine	N/A	Not provided	Not provided	Not provided	N/A	N/A

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COJ/ FDOT MS4	Not provided	COJ-120	COJ MS4 FLS000012	FDOT future projects and/or trade (fertilizer cessation).	Fertilizer Cessation	Completed	N/A	40,663	N/A	Marine	N/A	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-121	COJ MS4 FLS000012	Street sweeping.	Street Sweeping	Completed	N/A	5,553	N/A	Marine	N/A	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-122	COJ MS4 FLS000012	Future projects and/or trades.	Unknown/ Unsure	Planned	6/30/2023	181,331	N/A	Marine	N/A	Not provided	Not provided	Legislature	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-122a	COJ MS4 FLS000012	Environmental Protection Board (EPB) Rule 3 – Lift station maintenance and sanitary sewer overflow (SSO) reduction.	Sanitary Sewer Inspections	Completed	N/A	5,355	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
COJ/ FDOT MS4	FDOT	COJ-122b	COJ MS4 FLS000012	FDOT water quality credit agreement.	Other	Completed	2015	23,254	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	JEA	COJ-122c	COJ MS4 FLS000012	JEA water quality credit agreement.	Other	Completed	2015	66,748	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
COJ/ FDOT MS4	Not provided	COJ-123	COJ MS4 FLS000012	LOC septic tank phase out projects.	Septic Tank Phase Out	Planned	7/31/2015	3,652	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-124	COJ MS4 FLS000012	Better Jacksonville Plan septic tank phase out projects.	Septic Tank Phase Out	Planned	Not provided	6,459	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	Not provided	COJ-125	COJ MS4 FLS000012	Lasalle Pump Station.	Baffle Boxes – 2nd Generation	Planned	Not provided	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
COJ/ FDOT MS4	N/A	COJ-126	COJ MS4 FLS000012	Overland Bridge replacement	STAs	Underway	August 2018	92	N/A	Marine	115.5	\$165,000,000	Not available	Legislature	\$165,000,000	Not provided
COJ/ FDOT MS4	N/A	COJ-127	COJ MS4 FLS000012	SR 23 First Coast Expressway (Sr 21 to North of Argyle Forest Blvd.) north of Argyle to I-10).	STAs	Underway	August 2018	888	N/A	Marine	1,114	\$85,700,000	Not available	Legislature	\$85,700,000	N/A
COJ/ FDOT MS4	N/A	COJ-128	COJ MS4 FLS000012	I-295 widening to Commonwealth.	STAs	Completed	N/A	63	N/A	Marine	78.90	Not Available	Not available	Legislature	Not Available	N/A
COJ/ FDOT MS4	N/A	COJ-129	COJ MS4 FLS000012	I-95 and JTB Interchange.	STAs	Completed	N/A	104	N/A	Marine	130.24	\$66,990,000	Not available	Legislature	\$66,990,000	N/A
COJ/ FDOT MS4	N/A	COJ-130	COJ MS4 FLS000012	I-295 managed lane.	STAs	Underway	August 2018	205	N/A	Marine	257	\$89,780,000	Not available	Legislature	\$89,780,000	N/A
COJ/ FDOT MS4	N/A	COJ-131	COJ MS4 FLS000012	SR 243 Mainline International Airport Blvd.	STAs	Completed	N/A	57	N/A	Marine	71.32	Not Available	Not available	Legislature	Not Available	N/A
COJ/ FDOT MS4	N/A	COJ-132	COJ MS4 FLS000012	CR 210 amd US 1 improvement.	STAs	Completed	N/A	47	N/A	Marine	58.42	Not Available	Not available	Legislature	Not Available	N/A
COJ/ FDOT MS4	N/A	COJ-133	COJ MS4 FLS000012	9A Express Lane.	STAs	Underway	April 2019	339	N/A	Marine	425	\$141,720,000	Not available	Legislature	\$141,720,000	N/A
COJ/ FDOT MS4	N/A	COJ-134	COJ MS4 FLS000012	North Interchange (I-295 and I-95).	STAs	Underway	December 2020	301	N/A	Marine	378.04	\$176,900,000	Not available	Legislature	\$176,900,000	N/A

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COJ/ FDOT MS4	N/A	COJ-135	COJ MS4 FLS000012	I-295 and Wilson.	STAs	Completed	N/A	37	N/A	Marine	12.86	Not Available	Not available	Legislature	Not Available	N/A
COJ/ FDOT MS4	N/A	COJ-136	COJ MS4 FLS000012	9B and US Hwy. 1 Interchange.	STAs	Completed	N/A	363	N/A	Marine	455	Not Available	Not available	Legislature	Not Available	N/A
COJ/ FDOT MS4	N/A	COJ-137	COJ MS4 FLS000012	Marietta Interchange.	STAs	Completed	N/A	51	N/A	Marine	64.47	Not Available	Not available	Legislature	Not Available	N/A
COJ/ FDOT MS4	N/A	COJ-138	COJ MS4 FLS000012	SR 243 add lanes reconstruction.	STAs	Underway	December 2018	47	N/A	Marine	58.42	\$17,420,000	Not available	Legislature	\$17,420,000	N/A
COJ/ FDOT MS4	N/A	COJ-139	COJ MS4 FLS000012	I-10 drainage improvement at Cassat.	STAs	Completed	N/A	5	N/A	Marine	6	\$6,260,000	Not available	Legislature	\$6,260,000	N/A
COJ/ FDOT MS4	N/A	COJ-140	COJ MS4 FLS000012	I-10/US 301 Interchange.	STAs	Underway	September 2019	120	N/A	Marine	150	\$66,830,000	Not available	Legislature	\$66,830,000	N/A
COJ/ FDOT MS4	N/A	COJ-141	COJ MS4 FLS000012	Baldwin Bypass.	STAs	Underway	April 2020	200	N/A	Marine	251.3	\$60,320,000	Not available	Legislature	\$60,320,000	N/A
COJ/ FDOT MS4	N/A	COJ-142	COJ MS4 FLS000012	SR 9B.	STAs	Completed	N/A	215	N/A	Marine	269.99	Not Available	Not available	Legislature	Not Available	N/A
COJ/ FDOT MS4	N/A	COJ-143	COJ MS4 FLS000012	SR 9B from CR 2209 to C/L @ I-95.	STAs	Underway	May 2018	150	N/A	Marine	188.7	\$78,980,000	Not available	Legislature	\$78,980,000	N/A
COJ/ FDOT MS4	N/A	COJ-145	COJ MS4 FLS000012	I-10 improvement at US Hwy. 90 and SR 23.	STAs	Completed	N/A	141	N/A	Marine	177	\$46,680,000	Not available	Legislature	\$46,680,000	N/A
COJ/ FDOT MS4	N/A	COJ-146	COJ MS4 FLS000012	Prichard/I-295 improvement.	STAs	Completed	N/A	54	N/A	Marine	67.3	Not Available	Not available	Legislature	Not available	N/A
COJ/ FDOT MS4	Not provided	COJ42o	COJ MS4 FLS000012	Hamilton Jersey drainage improvements (LSJR upstream Trout River) – Installed 2 2nd-generation baffle boxes and drainage collection with raised inlets and perforated pipe.	Baffle Boxes – 2nd Generation	Completed	2015	TBD	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
City of Jacksonville Beach WWTF	City of Jacksonville Beach/ CRA/ SJRWMD	JB-01	Jax Bch WWTF FL0020231	Upgrade WWTF to AWT for TN removal.	WWTF Nutrient Reduction	Completed	2012	47,421	N/A	Marine	N/A	\$22,100,000	\$2,327,091	SJRWMD/ CRA/ Water/Sewer Bonds	\$11,000,000/ \$5,600,000 \$600,000 \$4,900,000	N/A
City of Jacksonville Beach MS4	FDOT	JB-02	Jax Bch MS4 FLS000013	FDOT Beach Blvd. widening (Pond 2).	Dry Detention Pond	Completed	2010	31	N/A	Marine	39.0	Not provided	Not provided	Not provided	Not provided	N/A
City of Jacksonville Beach MS4	Seminole Electric	JB-03	Jax Bch MS4 FLS000013	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	343	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
JEA Aggregate	JEA	JEA-01	JEA Julington	Complete process improvements.	WWTF Nutrient Reduction	Completed	Prior to 2008	13,000	N/A	Marine	N/A	\$5,000,000	\$0	Funded by JEA capacity.	\$5,000,000	N/A

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			Creek FL0043591											environmental, or internal funds		
JEA Aggregate	JEA	JEA-02	JEA Arlington East FL0026441	Complete process improvements.	WWTF Nutrient Reduction	Completed	Prior to 2008	204,000	N/A	Marine	N/A	\$17,500,000	\$0	Funded by JEA capacity, environmental, or internal funds	\$17,500,000	N/A
JEA Aggregate	JEA	JEA-03	JEA District II FL0026450	Complete process improvements.	WWTF Nutrient Reduction	Completed	Prior to 2008	308,000	N/A	Marine	N/A	\$12,000,000	\$0	Funded by JEA capacity, environmental, or internal funds	\$12,000,000	N/A
JEA Aggregate	JEA	JEA-04	JEA Southwest FL0026468	Complete process improvements.	WWTF Nutrient Reduction	Completed	Prior to 2008	101,000	N/A	Marine	N/A	\$16,000,000	\$100,000	Funded by JEA capacity, environmental, or internal funds	\$11,153,000	N/A
JEA Aggregate	JEA	JEA-05	JEA Buckman FL0026000	Complete process improvements.	WWTF Nutrient Reduction	Completed	Prior to 2008	111,000	N/A	Marine	N/A	\$18,000,000	\$0	Funded by JEA capacity, environmental, or internal funds	\$18,000,000	N/A
JEA Aggregate	JEA	JEA-06	JEA Monterey FL00230604	Complete process improvements.	WWTF Nutrient Reduction	Completed	Prior to 2008	78,001	N/A	Marine	N/A	\$500,000	\$0	Funded by JEA capacity, environmental, or internal funds	\$500,000	N/A
JEA Aggregate	JEA	JEA-07	JEA Mandarin FL0023493	Complete process improvements.	WWTF Nutrient Reduction	Completed	2007	27,997	N/A	Marine	N/A	\$5,507,000	\$100,000	Funded by JEA capacity, environmental, or internal funds	\$5,507,000	N/A
JEA Aggregate	JEA	JEA-08	JEA San Pablo FL0024767	Complete phase out.	WWTF Nutrient Reduction	Completed	2007	14,001	N/A	Marine	N/A	\$3,426,000	\$0	Funded by JEA capacity, environmental, or internal funds	\$3,426,000	N/A
JEA Aggregate	JEA	JEA-09	JEA Woodmere FL0026786	Complete phase out.	WWTF Nutrient Reduction	Completed	2007	22,000	N/A	Marine	N/A	\$2,801,000	\$0	Funded by JEA capacity, environmental, or internal funds	\$2,801,000	N/A
JEA Aggregate	JEA	JEA-10	JEA Beacon Hills FL0026778	Complete phase out.	WWTF Nutrient Reduction	Completed	2011	12,540	N/A	Marine	N/A	\$2,576,000	\$0	Funded by JEA capacity, environmental, or internal funds	\$2,576,000	N/A
JEA Aggregate	JEA	JEA-11	JEA Royal Lakes FL0026751	Complete phase out.	WWTF Nutrient Reduction	Completed	2014	0	N/A	Marine	N/A	\$9,724,000	\$0	Funded by JEA capacity, environmental, or internal funds	\$9,724,000	N/A
JEA Aggregate	JEA	JEA-12	JEA Jax Heights FL0023671	Complete phase out.	WWTF Nutrient Reduction	Completed	2014	0	N/A	Marine	N/A	\$615,000	\$0	Funded by JEA capacity, environmental, or internal funds	\$615,000	N/A
JEA Aggregate	JEA/SJRWMD	JEA-13	JEA Arlington	Complete process improvements.	WWTF Nutrient Reduction	Completed	2011	259,978	N/A	Marine	N/A	\$24,351,000	\$100,000	Funded by a combination of JEA	\$24,351,000, including	N/A

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			East FL0026441											and State legislative appropriation.	\$3,500,000 from SJRWMD	
JEA Aggregate	JEA	JEA-14	JEA District II FL0026450	Complete process improvements.	WWTF Nutrient Reduction	Completed	2013	87,340	N/A	Marine	N/A	\$1,200,000	\$50,000	Funded by JEA capacity, environmental, or internal funds	\$1,200,000	N/A
JEA Aggregate	JEA	JEA-15	JEA San Jose FL0023663	Complete phase out.	WWTF Nutrient Reduction	Completed	2014	0	N/A	Marine	N/A	\$4,787,000	\$0	Funded by JEA capacity, environmental, or internal funds	\$4,787,000	N/A
JEA Aggregate	JEA	JEA-16	JEA Buckman FL0026000	Complete process improvements.	WWTF Nutrient Reduction	Completed	2013	420,603	N/A	Marine	N/A	\$12,202,000	\$100,000	Funded by JEA capacity, environmental, or internal funds	\$12,202,000	N/A
JEA Aggregate	JEA/ DEP/ SJRWMD/ EPA	JEA-17	JEA Facilities	Reuse expansion (10 mgd) at Arlington East, Mandarin, and District II.	WWTF Diversion to Reuse	Completed	TMDL Obligations Completed/ Expansion of reuse system ongoing	129,998	N/A	Marine	N/A	\$100,000,000	N/A	Funded by combination of JEA, state, and EPA funds	\$100,000,000, including \$1,004,000 from DEP, \$5,446,000 from SJRWMD, and \$439,000 from EPA	N/A
City of Neptune Beach WWTF	Not provided	NB-01	Neptune Beach WWTF FL0020427	Complete process improvements.	WWTF Nutrient Reduction	Completed	2011	16,108	N/A	Marine	N/A	Not provided	Not provided	SJRWMD	\$700,000	N/A
City of Neptune Beach MS4	Seminole Electric	NB-02	Neptune Beach MS4	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	103	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Neptune Beach MS4	Not provided	NB-03	Neptune Beach MS4	Public Education: Website, newsletter, FOG Program, inspection program, pet waste, fertilizer, and irrigation ordinances.	Public Education Efforts	Completed	N/A	73	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Neptune Beach MS4	Not provided	NB-04	Neptune Beach MS4	Annual street sweeping program of streets with curb and gutter (June 1, 2015– May 31, 2016).	Street Sweeping	Completed	N/A	460	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
City of Neptune Beach MS4	N/A	NB-05	Neptune Beach WWTF FL0020427	WWTP package plant modification.	WWTF Nutrient Reduction	Completed	2017	Not provided	Not provided	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A

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Town of Orange Park WWTF	Not provided	OP-01	Ash Street WWTF FL0023922	Phase 1 improvements.	WWTF Upgrade	Completed	2010	35,097	N/A	Marine	N/A	\$8,042,428	Not provided	DEP (\$1M), SJRWMD (\$625,000)	\$1,625,000	Not provided
Town of Orange Park WWTF	Not provided	OP-02	Ash Street WWTF FL0023922	Phase 2 improvements.	WWTF Upgrade	Completed	2011	15,272	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
Town of Orange Park WWTF	Not provided	OP-03	Ash Street WWTF FL0023922	Phase 3 improvements.	WWTF Upgrade	Canceled	2012	N/A	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
Town of Orange Park MS4	Seminole Electric	OP-04	Orange Park MS4	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	227	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
Town of Orange Park WWTF	Keystone (Jax) Vulcan Wash Plant	OP-04	Ash Street WWTF FL0023922	Credit traded to Keystone Vulcan Wash Plant in Jax (point source discharge/not allocated in 2008 BMAP).	WWTF Upgrade	Completed	2017	-660	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-010	SJC Non-MS4	Street sweeping.	Street Sweeping	Canceled	N/A	N/A	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-09	SJC Non-MS4	Purchase of street sweeper.	Street Sweeping	Canceled	N/A	N/A	N/A	Marine	N/A	Not provided	Not provided	Not provided	Not provided	N/A
St. Johns County MS4	Not provided	SJC-11	SJC MS4 FLR04E025	Stormwater education.	Public Education Efforts	Completed	N/A	337	N/A	Marine	N/A	N/A	\$20,000	Not provided	Not provided	N/A
St. Johns County MS4	Not provided	SJC-12	SJC MS4 FLR04E025	LID.	Regulations, Ordinances, and Guidelines	Planned	N/A	TBD	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
St. Johns County MS4	Not provided	SJC-13	SJC MS4 FLR04E025	Slow release fertilizer ordinance.	Regulations, Ordinances, and Guidelines	Completed	2010	TBD	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
St. Johns County MS4	Not provided	SJC-14	SJC MS4 FLR04E025	FDOT widening of SR 312.	Wet Detention Pond	Completed	Prior to 2008	31	N/A	Marine	38	Not provided	Not provided	Legislature	N/A	N/A
St. Johns County MS4	Not provided	SJC-15	SJC MS4 FLR04E025	FDOT A1A stormwater retrofit from Duval County line to Thousand Oaks Lane.	Dry Detention Pond	Completed	Prior to 2008	475	N/A	Marine	98	Not provided	Not provided	Legislature	N/A	N/A
St. Johns County MS4	Not provided	SJC-16	SJC MS4 FLR04E025	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	132	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A

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St. Johns County MS4	Not provided	SJC-17	SJC MS4 FLR04E025	Algal initiative – Masters Tract RST facility.	Regional Stormwater Treatment	Completed	3/31/2017	4,109	N/A	Marine	1,032	Not provided	Not provided	DEP 319	\$796,007	Not provided
St. Johns County Non-MS4	Not provided	SJC-17	SJC Non-MS4	Algal initiative – Masters Tract RST facility.	Regional Stormwater Treatment	Completed	3/31/2017	609	N/A	Marine	1,032	Not provided	Not provided	SJRWMD	\$2,600,000	N/A
St. Johns County Non-MS4	Not provided	SJC-18	SJC Non-MS4	Greenbriar Rd. paving/ improvements.	Wet Detention Pond	Completed	Prior to 2008	73	N/A	Marine	40	\$500,000	Not provided	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-21	SJC Non-MS4	Stormwater education.	Public Education Efforts	Completed	N/A	1,082	N/A	Marine	N/A	N/A	\$20,000	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-22	SJC Non-MS4	LID.	Regulations, Ordinances, and Guidelines	Planned	N/A	TBD	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-23	SJC Non-MS4	Slow-release fertilizer ordinance.	Regulations, Ordinances, and Guidelines	Completed	2010	TBD	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	FDOT	SJC-24	SJC Non-MS4	FDOT SR 312 from US Hwy. 1 to SR 3.	Wet Detention Pond	Completed	Prior to 2008	185	N/A	Marine	38	Not provided	Not provided	Legislature	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-25	SJC Non-MS4	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	858	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-26	SJC Non-MS4	Algal Initiative – Masters Tract RST facility stormwater harvesting.	Stormwater Reuse	Canceled	N/A	N/A	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-27	SJC Non-MS4	Application of freshwater non-MS4 credits.	Other	Completed	2010	3,060	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-28	SJC Non-MS4	Bishop Estates baffle boxes.	Baffle Boxes – 2nd Generation	Completed	2013	262	N/A	Marine	Not provided	\$97,883	Not provided	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-29	SJC Non-MS4	Deep Creek West RST improvements.	Regional Stormwater Treatment	Completed	2015	4,515	N/A	Marine	1,220	\$1,400,000	\$75,000	SJRWMD	\$500,000	N/A
St. Johns County Non-MS4	Not provided	SJC-30	SJC Non-MS4	Fruit Cove Secret Oaks Pl. baffle box.	Baffle Boxes – 2nd Generation	Canceled	N/A	N/A	N/A	Marine	Not provided	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-31	SJC Non-MS4	Fruit Cove Lemonwood Rd. baffle box.	Baffle Boxes – 2nd Generation	Canceled	N/A	N/A	N/A	Marine	Not provided	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-32	SJC Non-MS4	Fruit Cove Degrove Rd. baffle box.	Baffle Boxes – 2nd Generation	Canceled	N/A	N/A	N/A	Marine	Not provided	N/A	N/A	N/A	N/A	N/A

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St. Johns County Non-MS4	Not provided	SJC-33	SJC Non-MS4	CR 13 and Joe Ashton Rd. baffle box.	Baffle Boxes – 2nd Generation	Completed	10/31/2017	165	N/A	Marine	68	Not provided	Not provided	Not provided	Not provided	N/A
St. Johns County Non-MS4	Not provided	SJC-34	SJC Non-MS4	Colee Cove Rd. baffle box.	Baffle Boxes – 2nd Generation	Canceled	N/A	N/A	N/A	Marine	Not provided	N/A	N/A	N/A	N/A	N/A
St. Johns County Non-MS4	Not provided	SJC-35	SJC Non-MS4	CR 13 Culvert Box #8.	Baffle Boxes – 2nd Generation	Completed	2015	150	N/A	Marine	Not provided	Not provided	Not provided	Not provided	Not provided	N/A
Smurfit-Stone Container	N/A	SS-01	Smurfit-Stone	Complete process improvements.	WWTF Nutrient Reduction	Completed	Prior to 2008	157,705	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-02	Smurfit-Stone	Routine WWTF maintenance.	WWTF and Sanitary Sewer Maintenance	Completed	2008	N/A	N/A	Marine	67	\$202,016	\$202,016	WestRock CP, LLC	\$202,016	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-03	Smurfit-Stone	Routine WWTF maintenance.	WWTF and Sanitary Sewer Maintenance	Completed	2009	N/A	N/A	Marine	67	\$202,016	\$202,016	WestRock CP, LLC	\$202,016	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-04	Smurfit-Stone	Routine WWTF maintenance.	WWTF and Sanitary Sewer Maintenance	Completed	2010	N/A	N/A	Marine	67	\$202,016	\$202,016	WestRock CP, LLC	\$202,016	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-05	Smurfit-Stone	Routine WWTF maintenance.	WWTF and Sanitary Sewer Maintenance	Completed	2011	N/A	N/A	Marine	67	\$202,016	\$202,016	WestRock CP, LLC	\$202,016	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-06	Smurfit-Stone	Routine WWTF maintenance.	WWTF and Sanitary Sewer Maintenance	Completed	2012	N/A	N/A	Marine	67	\$202,016	\$202,016	WestRock CP, LLC	\$202,016	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-07	Smurfit-Stone	Routine WWTF maintenance.	WWTF and Sanitary Sewer Maintenance	Completed	2013	N/A	N/A	Marine	67	\$202,016	\$202,016	WestRock CP, LLC	\$202,016	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-08	Smurfit-Stone	Routine WWTF maintenance.	WWTF and Sanitary Sewer Maintenance	Completed	2014	N/A	N/A	Marine	67	\$202,016	\$202,016	WestRock CP, LLC	\$202,016	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-09	Smurfit-Stone	Routine WWTF maintenance.	WWTF and Sanitary Sewer Maintenance	Completed	2015	N/A	N/A	Marine	67	\$140,080	\$140,080	WestRock CP, LLC	\$140,080	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-10	Smurfit-Stone	Routine WWTF maintenance.	WWTF and Sanitary Sewer Maintenance	Completed	2016	N/A	N/A	Marine	67	\$303,209	\$303,209	WestRock CP, LLC	\$303,209	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-11	Smurfit-Stone	Routine WWTF maintenance.	WWTF and Sanitary Sewer Maintenance	Completed	2017	N/A	N/A	Marine	67	\$162,759	\$162,759	WestRock CP, LLC	\$162,759	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-12	Smurfit-Stone	Aeration pond dredging.	Muck Removal/Restoration Dredging	Completed	2010	N/A	N/A	Marine	24.7	\$159,625	\$0	WestRock CP, LLC	\$159,625	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-13	Smurfit-Stone	Aeration pond dredging.	Muck Removal/Restoration Dredging	Completed	2011	N/A	N/A	Marine	27.4	\$229,248	\$0	WestRock CP, LLC	\$229,248	N/A

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Smurfit-Stone Container	WestRock CP, LLC	SS-14	Smurfit-Stone	Aeration pond dredging.	Muck Removal/Restoration Dredging	Completed	2013	N/A	N/A	Marine	17.3	\$225,250	\$0	WestRock CP, LLC	\$225,250	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-15	Smurfit-Stone	Aeration pond dredging.	Muck Removal/Restoration Dredging	Completed	2014	N/A	N/A	Marine	18.5	\$259,785	\$0	WestRock CP, LLC	\$259,785	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-16	Smurfit-Stone	Aeration pond dredging.	Muck Removal/Restoration Dredging	Completed	2016	N/A	N/A	Marine	23.7	\$220,500	\$0	WestRock CP, LLC	\$220,500	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-17	Smurfit-Stone	Sludge drying bed clean out.	BMP Clean Out	Completed	2009	N/A	N/A	Marine	8.7	\$132,411	\$0	WestRock CP, LLC	\$132,411	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-18	Smurfit-Stone	Sludge drying bed clean out.	BMP Clean Out	Completed	2012	N/A	N/A	Marine	8.7	\$87,783	\$0	WestRock CP, LLC	\$87,783	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-19	Smurfit-Stone	Sludge drying bed clean out.	BMP Clean Out	Completed	2014	N/A	N/A	Marine	8.7	\$109,318	\$0	WestRock CP, LLC	\$109,318	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-20	Smurfit-Stone	Sludge drying bed clean out.	BMP Clean Out	Completed	2015	N/A	N/A	Marine	8.7	\$47,105	\$0	WestRock CP, LLC	\$47,105	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-21	Smurfit-Stone	Sludge drying bed clean out.	BMP Clean Out	Completed	2017	N/A	N/A	Marine	8.7	\$99,596	\$0	WestRock CP, LLC	\$99,596	N/A
Smurfit-Stone Container	WestRock CP, LLC	SS-22	Smurfit-Stone	Reroute sanitary wastes from onsite treatment to JEA.	OSTDS Enhancement	Planned	Nov-18	3,349	670	Marine	N/A	\$52,000	\$125,808	WestRock CP, LLC	\$52,000	N/A
U.S. Navy (USN) Aggregate	Not provided	USN-01	NAS Jacksonville WWTF FL0000957	Reuse to Timuquana Country Club.	Stormwater Reuse	Completed	Prior to 2008	16,925	N/A	Marine	N/A	\$500,000	Not provided	Not provided	Not provided	N/A
U.S. Navy Aggregate	Not provided	USN-02	NAS Jacksonville WWTF FL0000957	Expand reuse system.	Stormwater Reuse	Completed	9/18/2015	6,138	N/A	Marine	N/A	\$3,000,000	Not provided	Not provided	Not provided	N/A
U.S. Navy Aggregate	Not provided	USN-03	NAS Jacksonville WWTF FL0000957	I&I repair projects.	WWTF Upgrade	Completed	Prior to 2008	6,138	N/A	Marine	N/A	\$2,100,000	Not provided	Not provided	Not provided	N/A
U.S. Navy Aggregate	Not provided	USN-04	NS Mayport WWTF FL0000922	I&I repair projects.	WWTF Upgrade	Completed	Prior to 2008	12,657	N/A	Marine	N/A	\$2,500,000	Not provided	Not provided	Not provided	N/A
U.S. Navy Aggregate	Not provided	USN-05	NS Mayport WWTF FL0000922	Modifications to Mayport WWTF.	WWTF Upgrade	Planned	11/1/2020	24,901	N/A	Marine	N/A	TBD	Not provided	Not provided	Not provided	N/A
U.S. Navy MS4s	Seminole Electric	USN-06	USN MS4	Atmospheric deposition load reduction – Seminole Electric SCR upgrade.	Atmospheric Deposition Reduction	Completed	2010	656	N/A	Marine	N/A	N/A	N/A	N/A	N/A	N/A

Orange Creek BMAP

Background

The Orange Creek Basin covers an area of 501 square miles. Located largely in Alachua County, it includes the Paynes Prairie (including Alachua Sink, Tumblin Creek Sweetwater Branch, and Lake Wauberg), Orange Lake, Newnans Lake, Lochloosa Lake, Hogtown Creek, and Orange Creek watersheds (**Figure C-8**).

DEP identified Orange Lake, Lochloosa Lake, Newnans Lake, and Lake Wauberg as impaired for TP. Alachua Sink and Lochloosa Lake, Newnans Lake, and Lake Wauberg are impaired for TN. DEP adopted TP TMDLs for Orange Lake, Newnans Lake, and Lake Wauberg in 2003. The Alachua Sink TN TMDL was adopted in 2006 and the Lochloosa Lake TN TMDL in 2017. The Phase 1 Orange Creek BMAP was adopted in May 2008, and the Phase 2 BMAP was adopted in 2014. A Supplemental Orange Creek Basin Report that includes allocations for the lakes is proposed for adoption in 2018 to continue the implementation of the TP and TN TMDLs.

DEP identified fecal coliform impairments for Hogtown Creek, Sweetwater Branch, and Tumblin Creek and adopted fecal coliform TMDLs in 2003.

Status of Projects

Through December 31, 2017, 199 projects were completed. An additional 5 projects that are underway or planned were added to the BMAP. Allocations are currently being developed for the Orange Creek BMAP, and nutrient reductions associated with projects will be calculated to align with the allocation methodology. Once this is complete, future reports will contain information about TN and TP reductions in the Orange Creek BMAP for each impaired waterbody. The Orange Creek BMAP included projects that address fecal coliform TMDLs for urban streams. For 2008-2014, a monitoring, evaluation, and remediation protocol adopted for fecal coliform bacteria has resulted in an 59 %, 9 %, and 25% reduction in the rate of exceedance of fecal coliform standards for Hogtown Creek, Sweetwater Branch, and Tumblin Creek when compared to their exceedance rates at the time of TMDL adoption.

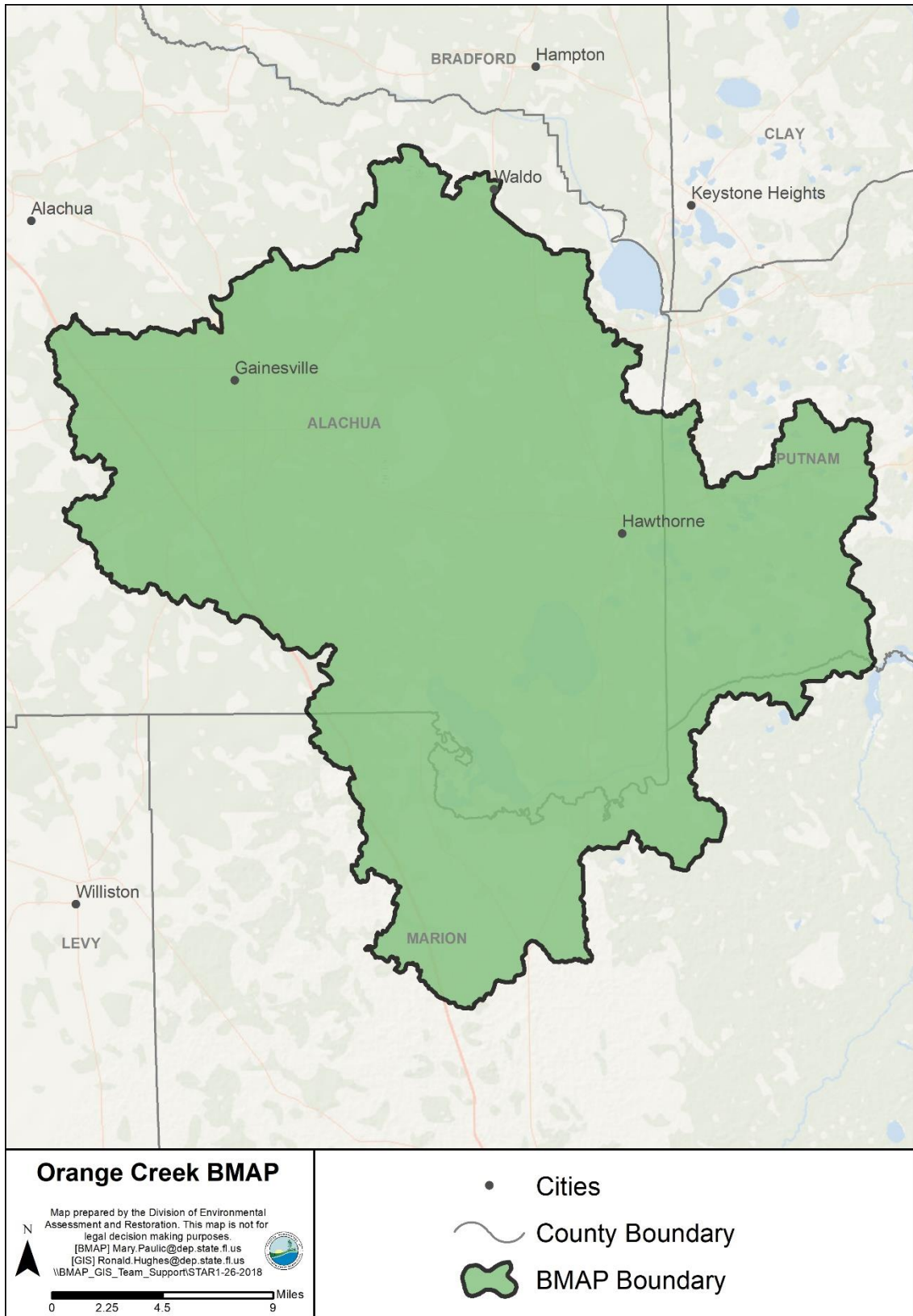


Figure C-18. Orange Creek BMAP area

Table C-8. Orange Creek BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	City of Gainesville/ FDOT District 2/ SJRWMD	ALACHUA02 -LOCH	Water Quality Protection Public Education and Outreach	Alachua County Lochloosa Lake Basin. Public education to promote stormwater nutrient (nitrogen and phosphorus) reduction to protect groundwater and surface water resources. Benefits: Reduce pollutant concentrations in stormwater runoff; public education effort to demonstrate importance of preventing nonpoint source pollution; implement Alachua County Comp Plan Conservation and Open Space Element – Education and Outreach Objective 2.2; Surface Water Systems Objective 4.6; Alachua County ULDC – 406.43 Water Resources Buffers; ULDC 407.56 Requirements for Stormwater Management Areas used as Open Space; ULDC Article 9 Stormwater Management.	Education Efforts	Completed	N/A	290	39	Lochloosa Lake Basin – Alachua County	N/A	N/A	\$13,333	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2), SJRWMD	Not provided	N/A
ACEPD	City of Gainesville/ FDOT District 2/ SJRWMD	ALACHUA02 -NEW	Water Quality Protection Public Education and Outreach	Alachua County Lochloosa Lake Basin. Public education to promote stormwater nutrient (nitrogen and phosphorus) reduction to protect groundwater and surface water resources. Benefits: Reduce pollutant concentrations in stormwater runoff; public education effort to demonstrate importance of preventing nonpoint source pollution; implement Alachua County Comp Plan Conservation and Open Space Element –	Education Efforts	Completed	N/A	296	33	Newnans Lake Basin – Alachua County	N/A	N/A	\$13,333	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2), SJRWMD	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Education and Outreach Objective 2.2; Surface Water Systems Objective 4.6; Alachua County ULDC – 406.43 Water Resources Buffers; ULDC 407.56 Requirements for Stormwater Management Areas used as Open Space; ULDC Article 9 Stormwater Management.												
ACEPD	City of Gainesville/ FDOT District 2/ SJRWMD	ALACHUA02 -ORANGE	Water Quality Protection Public Education and Outreach	Alachua County Lochloosa Lake Basin. Public education to promote stormwater nutrient (nitrogen and phosphorus) reduction to protect groundwater and surface water resources. Benefits: Reduce pollutant concentrations in stormwater runoff; public education effort to demonstrate importance of preventing nonpoint source pollution; implement Alachua County Comp Plan Conservation and Open Space Element – Education and Outreach Objective 2.2; Surface Water Systems Objective 4.6; Alachua County ULDC – 406.43 Water Resources Buffers; ULDC 407.56 Requirements for Stormwater Management Areas used as Open Space; ULDC Article 9 Stormwater Management.	Education Efforts	Completed	N/A	Not provided	4	Orange Lake Basin – Alachua County	N/A	N/A	\$13,333	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2), SJRWMD	Not provided	N/A
ACEPD	City of Gainesville/ FDOT District 2	ALACHUA07	Water Conservation and LID	Alachua County. Conduct targeted public outreach to encourage water conservation and rain harvesting. Includes rain barrel sales and LID promotion. By harvesting rainwater and keeping	Education Efforts	Completed	N/A	N/A	N/A	Orange Creek Basin – Alachua County	N/A	N/A	Not provided	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				stormwater onsite, stormwater and pollutants it transports are decreased.												
ACEPD	City of Gainesville/ FDOT District 3	ALACHUA08	Water Quality Protection and Public Education and Outreach	Gainesville urban area and Alachua County. Public education to promote stormwater nutrient (nitrogen and phosphorus) reduction to protect groundwater and surface water resources. Reduce pollutant concentrations in stormwater runoff; public education effort to demonstrate importance of preventing nonpoint source pollution; implement Alachua County Comp Plan Conservation and Open Space Element – Education and Outreach Objective 2.2; Surface Water Systems Objective 4.6; Alachua County ULDC – Article 9 Stormwater Management.	Education Efforts	Completed	2017	N/A	N/A	Orange Creek Basin – Alachua County	N/A	N/A	\$10,000	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	Not provided	N/A
ACEPD	City of Gainesville/ FDOT District 2/ SJRWMD	ALACHUA09	Landscaping Behavior Change Social Marketing	Gainesville urban area and Alachua County. Implement social marketing campaign designed to get citizens to make landscaping behavior changes that reduce nutrients in stormwater. Reduces nutrients sources in all watersheds. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6. Behavior changes to reduce nutrient inputs to stormwater; implement Alachua County Comp Plan Conservation and Open Space Element –	Education Efforts	Underway	2019	Not provided	Not provided	Orange Creek Basin – Alachua County	N/A	\$600,000	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2), SJRWMD	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Education and Outreach Objective 2.2; Surface Water Systems Objective 4.6; Alachua County ULDC, Chapter 407 Article 4 Landscaping – 406.43 Water Resources Buffers; Article 9 Stormwater Management.												
ACEPD	City of Gainesville/ FDOT District 2	ALACHUA10	Neighborhood Stormwater Fertilizer Study	Gainesville urban area. Monitor and assess stormwater water quality in selected neighborhoods and evaluate impacts to water quality in Gainesville urban creeks. Provide data for determining how fertilization practices in residential neighborhoods affect water quality. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6 and policies.	Study	Completed	2015	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$24,600	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$24,600	N/A
ACEPD	City of Gainesville/ FDOT District 3	ALACHUA11	Stormwater Pond Outfall Study and Phosphorus Sediment Evaluation	Gainesville urban area. Monitor and assess water quality in various stormwater basins and evaluate stormwater basin and stream sediments to understand if they are sinks or sources of phosphorus. Provide data for determining how stormwater basins (water and sediments) and stream sediment phosphorus affect water quality. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6 and policies.	Study	Completed	2015	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$30,800	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$30,800	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	City of Gainesville/ FDOT District 4	ALACHUA12	Quantifying Nutrient Improvement in Street Sweepings	Gainesville urban area and Alachua County. Monitor and assess street sweepings to quantify nutrient reductions and subsequent potential water quality improvements. Provide data to quantify nutrients in street sweepings and assess potential for water quality improvement. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6 and policies.	Study	Completed	2016	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$38,940	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$38,940	N/A
ACEPD	City of Gainesville/ FDOT District 5	ALACHUA13	Surface Water Nutrient Loading Assessment	Gainesville urban area. Evaluate nutrient loading and determine status of urban streams and their receiving waters as it relates to nutrient impairment/ Provide data to assess nutrient impairment of urban streams and their receiving waters. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6 and policies.	Study	Underway	2018	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$48,800	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$48,800	N/A
ACEPD	City of Gainesville/ FDOT District 6	ALACHUA14	In-Stream Biological Monitoring in 2012–13	Gainesville urban area and Alachua County. Monitor to establish in-stream biological ecosystem health. Conduct SCI and Hester-Dendy sampling and reporting for Gainesville urban area streams. Provide data on in-stream biological health to assess impairment of urban streams and their receiving waters. Implements Alachua County Comprehensive	Monitoring/ Data Collection	Completed	2014	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$55,000	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$55,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6 and policies.												
ACEPD	Wildlife Foundation of Florida/ Gainesville Clean Water Partnership	ALACHUA17	Aquifer Model	Alachua County and surrounding counties. Alachua County obtained springs license plate grant to hire contractor to create mobile model designed to teach public about connection between how what we do on land surface and how we use water affects springs, rivers, and aquifer. Staff brings model to events and classrooms to teach water conservation, landscaping BMPs, stormd rains, pet waste, grass clippings, and more.	Education Efforts	Completed	N/A	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$6,000	Not provided	Spring Tag Grant	\$6,000	N/A
ACEPD	N/A	ALACHUA18	Orange Creek Basin Project Development	Newnans Lake. Alachua County contracted with Florida, LLC to assess short- and long-term benefits of removing loose organic sediments from portions of Newnans Lake to restore hard-bottom aquatic habitats and reduce internal nutrient recycling, while protecting archeological resources. Project included assessment of options to reduce nutrient loading to Newnans Lake from Little Hatchett Creek. Assessments provided information on feasibility and for projects related to Little Hatchet Creek, cost information for work, and in some cases additional monitoring and feasibility analyses. Implements	Study	Completed	2015	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$7,600	N/A	Alachua County	\$7,600	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6 and policies.												
ACEPD	DEP/ City of Gainesville/ FDOT District 2	ALACHUA19	Fertilizer Social Marketing Campaign	Implement social marketing campaign designed to reduce fertilizer use and to calculate resultant load reduction. Benefits: Reduces nutrient sources in all watersheds.	Education Efforts	Planned	2021	N/A	N/A	Orange Creek Basin	N/A	\$435,000	N/A	DEP 319 Grant	DEP-\$135,000	Fertilizer Social Marketing Campaign and Load Reduction NF033
ACEPD	Adventure Outpost	ALACHUA20	Inspiring Behavior Change through Experiencing Santa Fe River and Springs	Implement education by coordinating 5 to 6 interactive paddling trips on Santa Fe River with 120 stakeholders to explore actions that affect health of springs and groundwater. Benefits: Reduces nutrient sources in all watersheds.	Education Efforts	Planned	2019	N/A	N/A	Orange Creek Basin	N/A	\$12,600	N/A	Wildlife Foundation of Florida Springs Protection License Plate Grant	\$12,600	N/A
ACEPD	City of Gainesville/ FDOT District 2	ALACHUA21	Interactive Stormwater/ Wastewater Model	Interactive table-top model for teaching children and adults about difference between storm sewers and sanitary sewers. Benefits: Reduces nutrient sources and bacteria sources in all watersheds.	Education Efforts	Completed	N/A	N/A	N/A	Orange Creek Basin	N/A	\$6,500	Not provided	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT, District 2)	\$6,500	N/A
ACEPD	DEP	NEW42	Newnans Lake Improvement Initiative (NLII) Phase II	NLII Phase II project includes construction of permeable reactive weir for Little Hatchet Creek and assessment of Hatchet Creek to locate potential areas for instream nutrient reduction treatment.	Control Structure	Planned	2019	Not provided	Not provided	Orange Creek Basin	Not provided	\$250,000	Not provided	Legislative Funding Administered through DEP Division of Water Restoration Assistance	Not provided	LP01121
ACEPD	City of Gainesville/ FDOT District 2	ALACHUA22	Stream Bioassessment Study Project	Stream Bioassessment Study project includes SCI in-stream biological assessments and Hester-Dendy sampling and analysis to provide ambient monitoring for TMDL and impaired watersheds.	Study	Underway	2019	N/A	N/A	Orange Creek Basin	N/A	\$85,970	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$85,970	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	City of Gainesville/ FDOT District 2	ALCODE01	Alachua County Water Quality Code Implementation	Alachua County. Alachua County Water Quality Code Implementation for Tumblin Creek, Sweetwater Branch, and Hogtown Creek. Public education, outreach, and enforcement. Benefits: Reduction of pollutant concentrations in stormwater runoff. Implementation of Alachua County Code Chapter 77, Water Quality Standards and Management Practices.	Regulations, Ordinances, and Guidelines	Completed	N/A	N/A	N/A	Tumblin Creek, Sweetwater Branch, and Hogtown Creek Basins – Alachua County	N/A	\$17,400	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$17,400	N/A
ACEPD	N/A	AS08	Crevasse	Paynes Prairie. Land acquisition – Crevasse (Prairie Creek by Paynes Prairie. Alachua Conservation Trust (ACT) purchased parcel and Alachua County Forever has made offer to purchase portion of it from ACT. Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 94 ac.	Land Acquisition	Completed	2010	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – Alachua County	N/A	\$415,316	N/A	Alachua County Forever Bond Proceeds	\$415,316	N/A
ACEPD	N/A	AS17	Prairie Creek Conservation Cemetery	Paynes Prairie. Conservation Easement acquisition – Crevasse (Prairie Creek by Paynes Prairie. No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp	Land Acquisition	Completed	2010	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – Alachua County	N/A	\$324,022	N/A	Alachua County Forever Bond Proceeds	\$324,022	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 79 ac.												
ACEPD	Paynes Prairies Preserve State Park	AS20	Teuton	Paynes Prairie. Alachua County. Land acquisition – Teuton parcel 2.02 ac. To be managed as part of Paynes Prairie Preserve State Park. Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Completed	2014	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – Alachua County	N/A	\$11,424	N/A	Wild Spaces Public Place Surtax	\$11,424	N/A
ACEPD	City of Gainesville/ FDOT District 2	BACTERIA03	Coliform Wet and Dry Season Assessment	Gainesville urban area. Assessment of wet and dry season fecal coliform concentrations in surface waters at selected stations. Benefits: Provide data for wet season and dry season coliform concentrations for use in determining baseline conditions and achievable load reductions; implement Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Study	Completed	2007	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins – Alachua County	N/A	\$15,000	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$15,000	N/A
ACEPD	City of Gainesville/ FDOT District 2	BACTERIA17	Outfall Reconnaissance Inventory (ORI)	Gainesville urban area. Reconnaissance of all outfalls and visual observations and sampling of suspect outfalls and stormwater pipes discharging to urban creeks with high fecal coliform concentrations. Identify	Study	Completed	2010	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins – Alachua County	N/A	\$1,100	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$1,100	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				and eliminate sources of fecal coliform pollution. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.												
ACEPD	N/A	BACTERIA18	Private Wastewater Collection System Pilot Study	Gainesville Urban Area. Conducted pilot study of private wastewater collection systems. Pilot tests were conducted, and report was written. ACEPD may pursue private collection system monitoring program in future. Assess condition of private wastewater collection systems to determine their likelihood to contribute to sanitary sewer overflows. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Study	Completed	2008	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins – Alachua County	N/A	Not provided	N/A	Alachua County General Fund	Not provided	N/A
ACEPD	City of Gainesville/ FDOT District 2	BACTERIA20	Urban Creek Fecal Coliform "Hot Spots" Monitoring	Gainesville urban area. Continue to assess fecal coliform bacteria (or other bacteriological standard) to assess microbial "hot spots" for source investigation. Provide data for fecal coliform bacteria (or other bacteriological standard) to assess microbial "hot spots" for source investigation. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6 and policies.	Monitoring/ Data Collection	Completed	2017	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins – Alachua County	N/A	N/A	\$7,300	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	Not provided	N/A
ACEPD	City of Gainesville/	HAT01	Expanded Coliform and Iron Monitoring	Northeast Alachua County Hatchet Creek. Additional monitoring to	Monitoring/ Data Collection	Completed	2006	N/A	N/A	Newnans Lake Basin –	N/A	\$5,000	N/A	Gainesville Clean Water Partnership	\$5,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
	FDOT District 2			better define spatial distribution of coliform bacteria. Collect samples monthly throughout watershed at 8 sites. Benefits: Determine areas in watershed with elevated iron and fecal coliform; implement Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.						Alachua County				(Alachua County, City of Gainesville, FDOT District 2)		
ACEPD	Alachua County	LOCH05	Silver Springs/McLeod	Cross Creek. Land acquisition – Silver Springs/McLeod property in Cross Creek area (working on conservation easement with owner) Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Canceled	N/A	N/A	N/A	Lochloosa Lake Basin – Alachua County	N/A	Not provided	N/A	Alachua County Forever Bond Proceeds	Not provided	N/A
ACEPD	Alachua Conservation Trust (ACT)	LOCH06	Phifer Flatwoods Land Acquisition	Alachua County. Land acquisition – Phifer Flatwoods Little Lochloosa Creek Watershed. Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 600 ac.	Land Acquisition	Completed	2006	N/A	N/A	Lochloosa Lake Basin – Alachua County	N/A	\$2,882,239	N/A	Alachua County Forever Bond Proceeds	\$2,882,239	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	ACT	LOCH13	Phifer Addition	Alachua County. Land acquisition – Phifer Flatwoods Additions within Little Lochloosa Creek Watershed. Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 380 ac.	Land Acquisition	Completed	2009	N/A	N/A	Lochloosa Lake Basin – Alachua County	N/A	\$1,170,864	N/A	Alachua County Forever Bond Proceeds	\$1,170,864	N/A
ACEPD	N/A	NEW07	Wainberg Land Acquisition	Newnans Lake. Land acquisition – Wainberg (west side Newnans Lake). Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 22 ac.	Land Acquisition	Completed	2007	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$175,000	N/A	Alachua County Forever Bond Proceeds	\$175,000	N/A
ACEPD	City of Gainesville/ Gainesville Regional Airport	NEW40	Newnans Lake Improvement Initiative Phase I	Newnans Lake Watershed. Project will identify and prioritize cost-effective restoration strategies to improve water quality in headwaters of Newnans Lake. Project will carry out redesign studies, one at Little Hatchet Creek and one at Gum Root Swamp, in Newnans Lake Area, to identify projects that will best address external	Study	Completed	2017	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$456,000	N/A	DEP	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				phosphorus loading to Newnans Lake.												
ACEPD	SJRWMD	OR09	Rayonier Land Tract (River Styx wetland)	River Styx. Land acquisition – Rayonier Tract River Styx. No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 1,450 ac.	Land Acquisition	Completed	2008	N/A	N/A	Orange Lake Basin – Alachua County	N/A	\$4,855,506	N/A	Alachua County Forever Bond Proceeds	\$4,855,506	N/A
ACEPD	N/A	OR10	Richardson Tract (River Styx)	River Styx. Land acquisition – Richards on NW corner of Orange Lake to River Styx. Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Canceled	N/A	N/A	N/A	Orange Lake Basin – Alachua County	N/A	N/A	N/A	N/A	N/A	N/A
ACEPD	FCT/ North American Wetlands Conservation Act/ FRPP/ Private Donors	OR23	Barr Hammock, Levy Prairie, Ledwith Lake Land Acquisitions	Between Wacahoota Rd., I-75, SR 121 and Marion County Line/ Land acquisition – Barr Hammock Levy Prairie Ledwith Lake/ No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element –	Land Acquisition	Completed	Not provided	N/A	N/A	Orange Lake Basin – Alachua County	N/A	\$15,334,139	N/A	Alachua County Forever Bond Proceeds/ Wild Spaces and Public Places Sales Tax/ FCT/ North American Wetlands Conservation Act/ FRPP/ Private Cost-Share	Wild Spaces and Public Places Sales Tax – \$4,026,614	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Alachua County Forever Policy 6.2.1.												
ACEPD	UF-IFAS Extension Service/ NOAA/ City of Gainesville/ FDOT District 2/ Current Problems, Inc. (Adopt A River)	SWT22	Springhill Pond Vegetative Enhancement	<p>City of Gainesville. Springhill Park – Public education workshop and stormwater pond and seepage wetland vegetative enhancement. Benefits: Reduce pollutant concentrations in stormwater runoff; public education effort to demonstrate importance of vegetated buffers in preventing nonpoint source pollution; implement Alachua County Comp Plan Conservation and Open Space Element Education and Outreach -objective 2.2; Surface Water Systems Objective 4.6; Alachua County ULDC – 406.43 Water Resources Buffers; ULDC 407.56 Requirements for Stormwater Management Areas used as Open Space; ULDC Article 9 Stormwater Management.</p>	Education Efforts, Wetland Vegetation Enhancement, Littoral Zone Planting	Completed	Not provided	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – Alachua County	N/A	\$7,500	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$7,500	N/A
ACEPD	City of Gainesville/ FDOT District 2	SWT29	Inlet Protection Pilot Project, Sweetwater Branch	<p>City of Gainesville. Assessment of stormwater drop inlet geotextile filtering devices at Florida Pest Control (impervious area 3.96 ac) to quantify sediments, particle sizes and pollutants. Benefits: Determine effectiveness of drop inlet protection devices in reducing pollutant loading from impervious area stormwater runoff; implement Alachua County Comp Plan Conservation and Open Space Element – Surface</p>	Study	Completed	2007	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – Alachua County	N/A	\$2,000	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$2,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Water Systems Objective 4.6.												
ACEPD	UF-IFAS Extension Service/ City of Gainesville, FDOT District 2/ Current Problems, Inc. (Adopt A River)	TUM18	Tumblin Basin Vegetative Enhancement	<p>City of Gainesville. Tumblin Basin (SW 5th Ave.) – Public education workshop was completed as scheduled and attended by citizens. Information provided about stormwater pond vegetative enhancement. Benefits: Reduce pollutant concentrations in stormwater runoff; public education effort to demonstrate importance of vegetated buffers in preventing nonpoint source pollution; implement Alachua County Comp Plan Conservation and Open Space Element – Education and Outreach Objective 2.2; Surface Water Systems Objective 4.6; Alachua County ULDC – 406.43 Water Resources Buffers; ULDC 407.56 Requirements for Stormwater Management Areas used as Open Space; ULDC Article 9 Stormwater Management.</p>	Education Efforts	Completed	Not provided	N/A	N/A	Tumblin Creek Basin – Alachua County	N/A	\$7,500	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$7,500	N/A
ACEPD	City of Gainesville/ FDOT District 2	ALACHUA03	Water Quality Protection BMP Training	<p>Alachua County. Training and education for contractors, government, and citizens in sedimentation and erosion control to improve stormwater quality. Benefits: Reduce pollutant concentrations in stormwater runoff (including phosphorus from Hawthorn Group formations); public education effort to demonstrate importance of preventing nonpoint</p>	Education Efforts	Completed	N/A	N/A	N/A	Orange Creek Basin – Alachua County	N/A	N/A	\$2,000	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				source pollution; implement Alachua County Comp Plan Conservation and Open Space Element – Education and Outreach Objective 2.2; Surface Water Systems Objective 4.6; Alachua County ULDC – 406.43 Water Resources Buffers; ULDC Article 9 Stormwater Management.												
ACEPD	City of Gainesville/ FDOT District 2	ALACHUA04	Pet Waste Outreach	Alachua County. Implement social marketing campaign to motivate citizens to scoop, bag, and trash dog waste at home and in community. Reduces bacteria and nutrient sources in all watersheds. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Education Efforts	Completed	N/A	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$40,655	\$7,000	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	Not provided	N/A
ACEPD	N/A	ALACHUA05	Stormwater Basin Monitoring	Alachua County. Monitor water quality in various stormwater basins to understand if they are sinks or sources of nutrients and bacteria. Provide data for determining how stormwater basins affect water quality. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6	Monitoring/ Data Collection	Completed	2015	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$6,000	N/A	Alachua County General Fund	\$6,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	City of Gainesville/ FDOT District 2	ALACHUA06	Landscaping Debris Social Marketing	Alachua County/ Implement social marketing campaign designed to get citizens to keep landscaping debris out of roads and stormwater collection systems. Reduces bacteria and nutrient sources in all watersheds. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Education Efforts	Completed	N/A	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$50,000	\$7,000	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	Not provided	N/A
ACEPD	N/A	ALCODE02	Fertilizer and Landscape Irrigation Codes	Alachua County. Adopt and enforce Fertilizer Management and Landscape Irrigation Ordinances. Reduce volume of runoff from overirrigation and reduce nutrient loading from use of fertilizers. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Education Efforts	Completed	N/A	N/A	N/A	Orange Creek Basin – Alachua County	N/A	N/A	Not provided	Alachua County General Fund	Not provided	N/A
ACEPD	N/A	AS04	Expanded Nutrient Monitoring Alachua Sink	Sweetwater Branch and Paynes Prairie. Expanded nutrient monitoring of Alachua Sink. Benefits: Determine current water quality and water level conditions in Alachua Sink. Implementation of Alachua County Comprehensive Plan (Comp Plan) Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Monitoring/ Data Collection	Completed	2004	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – Alachua County	N/A	\$5,600	N/A	Alachua County	\$5,600	N/A
ACEPD	N/A	AS07	Bishop and Henderson	Paynes Prairie. Land acquisition – Bishop and Henderson Williston Rd. adjacent to Paynes Prairie. Benefits: No increase in surface runoff	Land Acquisition	Completed	2006	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin –	N/A	\$225,700	N/A	Alachua County Forever Bond Proceeds	\$225,700	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 25 ac.						Alachua County						
ACEPD	N/A	BACTERIA01	Bacterial Source Tracking	City of Gainesville. Bacterial source tracking by antibiotic resistance analysis (ARA) and discriminate ribotype analysis (ribotyping). Benefits: Fecal coliform bacteria source identification using ARA, ribotyping, and enumeration of fecal coliform and enterococci bacteria. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Monitoring/ Data Collection	Completed	2003	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins – Alachua County	N/A	\$24,600	N/A	Alachua County	\$24,600	N/A
ACEPD	City of Gainesville/ FDOT District 2	BACTERIA02	Fecal Coliform Source Assessment	City of Gainesville; Alachua County. Fecal coliform source assessment using expanded microbiological sampling and selected MST techniques. Benefits: MST project uses a phased approach for assessment with expanded bacteriological monitoring and human-specific MST at selected sites. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Monitoring/ Data Collection	Completed	2007	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins – Alachua County	N/A	\$45,000	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$45,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	N/A	BACTERIA04	Expanded Fecal Coliform Bacteria Monitoring	Gainesville urban area. Expanded base flow fecal coliform monitoring to better identify stream segments with high bacterial counts. Benefits: Determine current water quality and water level conditions in Tumblin Creek, Hogtown Creek, and Sweetwater Branch. Implements Comp Plan Conservation and Open Space Element -Surface Water Systems Objective 4.6.	Monitoring/ Data Collection	Completed	N/A	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins – Alachua County	N/A	N/A	\$30,000	Alachua County	Not provided	N/A
ACEPD	City of Gainesville/ FDOT District 2	BACTERIA06	Optical Brighteners	City of Gainesville. Optical brightener and fecal coliform analyses throughout watershed for illicit discharge detection. Benefits: Identify illicit discharges using optical brighteners, dry season (base flow) and wet season sampling. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Study	Completed	2006	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins – GRU	N/A	\$9,000	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$9,000	N/A
ACEPD	City of Gainesville/ FDOT District 2	BACTERIA19	Hydrodynamic Separator and Fecal Coliform Study	Gainesville Urban Area. Study goal is to assess potential of hydrodynamic separator storm sewer BMP devices to harbor and release high levels of bacteria into Gainesville creeks. Provide data for developing BMP maintenance guidelines for reduction of fecal coliform bacteria. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Study	Completed	2015	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins – Alachua County	N/A	\$12,000	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$12,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	City of Gainesville/ FDOT District 2	HOG24	Inlet Protection Pilot Project, Hogtown Creek	City of Gainesville. Assessment of stormwater drop inlet geotextile filtering devices at Gainesville Public Works Compound (impervious area 9.99 ac) to quantify sediments, particle sizes, and pollutants (Springstead Creek). Benefits: Determine effectiveness of drop inlet protection devices in reducing pollutant loading from impervious area stormwater runoff; implement Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Study	Completed	2007	N/A	N/A	Hogtown Creek Basin – Alachua County	N/A	\$2,000	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$2,000	N/A
ACEPD	NOAA/ City of Gainesville/ FDOT District 2/ Current Problems, Inc.	HOG26	Forest Park Vegetative Enhancement	City of Gainesville. Forest Park stormwater pond vegetative enhancement. Benefits: Reduce pollutant concentrations in stormwater runoff; public education effort to demonstrate importance of vegetated buffers in preventing nonpoint source pollution; implement Alachua County Comp Plan Conservation and Open Space Element – Education and Outreach Objective 2.2; Surface Water Systems Objective 4.6; Alachua County ULDC – 406.43 Water Resources Buffers; ULDC 407.56 Requirements for Stormwater Management Areas used as Open Space; ULDC Article 9 Stormwater Management.	Wet Detention Pond	Completed	Not provided	Not provided	Not provided	Hogtown Creek Basin – Alachua County	12,800.0	\$7,500	Not provided	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2), NOAA Coastal Impact Assistance Program (CIAP) Grant	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	SJRWMD/ U.S. Dept. of the Interior Federal Forest Legacy Program (FFLP)	NEW06	Newnans Lake Addition	Newnans Lake. Land acquisition – Newnans Lake Addition. Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 1,700 ac.	Land Acquisition	Completed	2005	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$3,732,126	N/A	Alachua County Forever Bond Proceeds/ SJRWMD/ FFLP Cost-Share	Alachua County Forever Bond Proceeds – \$1,617,000	N/A
ACEPD	SJRWMD	OR02	Longleaf Flatwoods Preserve Land Acquisition	Alachua County. Land acquisition – Longleaf Flatwoods Preserve. Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 1,389 ac.	Land Acquisition	Completed	2003	N/A	N/A	Orange Lake Basin – Alachua County	N/A	\$2,259,654	N/A	Alachua County Forever Bond Proceeds/ SJRWMD	Not provided	N/A
ACEPD	USDA FRPP	OR08	Freddy Wood Land Tract	Orange Lake. Land acquisition – Freddy Wood Tract. No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 600 ac.	Land Acquisition	Completed	2008	N/A	N/A	Orange Lake Basin – Alachua County	N/A	\$1,136,000	N/A	Alachua County Forever Bond Proceeds/ FRLPP Cost-Share	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	N/A	SWT18	Expanded Nutrient Monitoring Sweetwater Branch	City of Gainesville. Expanded nutrient monitoring of Sweetwater Branch. Benefits: Determine current water quality and water level conditions in Sweetwater Branch on Paynes Prairie and Alachua Sink. Implementation of Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6	Monitoring/ Data Collection	Completed	2004	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – Alachua County	N/A	\$5,600	N/A	Alachua County	\$5,600	N/A
ACEPD	(FCT	SWT31	Sweetwater Preserve	Paynes Prairie. Land acquisition – Sweetwater Preserve (north rim of Paynes Prairie). Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 113 ac.	Land Acquisition	Completed	2006	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – Alachua County	N/A	\$7,700,000	N/A	Alachua County Forever Bond Proceeds/ FCT Cost-Share	Not provided	N/A
ACEPD	N/A	NEW20	Cox and Moore	Alachua County. Land acquisition – Cox and Moore. No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 463,657 ac.	Land Acquisition	Completed	2013	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$1,095,343	N/A	Alachua County Forever Bond Proceeds/ Wild Spaces and Public Places Sales Tax	\$1,095,343	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	N/A	NEW21	Kincaid and Tabone	Alachua County. Conservation Easement acquisition – Kincaid and Tabone. No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 120,149 ac.	Land Acquisition	Completed	2012	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$179,000	N/A	Alachua County Forever Bond Proceeds	\$179,000	N/A
ACEPD	N/A	NEW22	Smith	Alachua County. Conservation Easement acquisition – Smith. No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 37,637 ac.	Land Acquisition	Completed	2012	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$63,700	N/A	Alachua County Forever Bond Proceeds	\$63,700	N/A
ACEPD	N/A	NEW23	Wainberg Addition Number 2	Alachua County. Land acquisition – Wainberg Addition. No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 1.3 ac.	Land Acquisition	Completed	2013	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$14,363	N/A	Alachua County Forever Bond Proceeds	\$14,363	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
ACEPD	U.S. Fish and Wildlife Service (FWS)	OCB02	Little Orange Creek	Alachua County. Land acquisition – Little Orange Creek. No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1. Includes 699 ac.	Land Acquisition	Completed	2012	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$795,438	N/A	Alachua County Fee Simple, Wild Spaces and Public Places Sales Tax, North American Wetland Act Grant, ACT	Not provided	N/A
ACHD	N/A	HOG15	Evaluation of Residential Septic Tanks Systems Adjacent to Hogtown and Possum Creeks, Tumblin Creek, and Sweetwater Branch	Alachua County. Includes identifying parcels with septic systems, conducting soil borings to check water table, and fecal coliform analyses. Staffed with full-time temporary Other Personnel Services (OPS) position (1 yr). Benefits: Identify potential fecal coliform sources.	Study	Completed	2005	N/A	N/A	Hogtown Creek Basin – FDOH in Alachua County	N/A	\$20,000	N/A	FDOH	\$20,000	N/A
ACHD	Not provided	WAU01	Evaluation of Septic Systems Surrounding Lake Wauberg	Lake Wauberg Watershed. Includes identifying parcels with septic systems, conducting soil borings to check water table, and sampling for nutrients. Benefits: Locate areas where septic systems or other domestic waste treatment systems may be contributing N and P to Lake Wauberg.	Study	Completed	2005	N/A	N/A	Lake Wauberg Basin – FDOH in Alachua County	N/A	\$15,000	N/A	FDOH	\$15,000	N/A
Alachua County	N/A	LOCH09	NE 179th Street Erosion Control	Project location: Intersection of NE 179th St. and SR 26. Description: Construction of sediment trap in roadside swale of NE 179th St. to trap sediment from NE 179th St. that discharged into swales on	Muck Removal/ Restoration Dredging	Completed	2010	Not provided	Not provided	Lochloosa Lake Basin – Alachua County	Not provided	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				SR 26 and eventually into Lochloosa Creek.												
Alachua County	City of Gainesville, FDOT District 2	NEW32	Little Hatchet Creek	Little Hatchet Creek. Field survey and sampling of stream bank soils along Little Hatchet Creek near Gainesville Airport to evaluate soil phosphorus. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6 and policies.	Monitoring/ Data Collection	Completed	2015	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$5,235	N/A	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	\$5,235	N/A
Alachua County	N/A	NEW36	Reduce Phosphorus Load to Newnans Lake from Little Hatchet Creek	Gainesville Regional Airport. Project goal is to determine feasibility of reducing phosphorus load from Little Hatchett Creek to Newnans Lake by: 1. reducing volume and velocity of storm flows into Little Hatchet Creek, 2. reducing erosion P-rich Hawthorn materials into ditch that contains creek as it flows from Waldo Rd. through Gainesville airport, and 3. chemically treating water from Little Hatchet Creek to significantly reduce phosphorus before it discharges into Newnans Lake. Canceled – Same project as NEW40.	Study	Canceled	N/A	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$130,000	N/A	DEP	Not provided	N/A
Alachua County	N/A	NEW37	Reduce Phosphorus Load to Newnans Lake from Gum Root Swamp	Gum Root Swamp. Project goal is to understand phosphorus dynamics in Gum Root Swamp sufficiently to determine if there are methods of reducing release of phosphorus from swamp to Newnans Lake by enhancing wetland's ability to assimilate, store, and/or transform phosphorus.	Study	Canceled	N/A	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$116,000	N/A	DEP	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Canceled – Same project as NEW40.												
Alachua County	City of Gainesville, FDOT District 2	SWT30	In-stream Bioassessments in Hogtown Creek, Sweetwater Branch, Tumblin Creek, Little Hatchet Creek, Hatchet Creek, and Lake Forest Creek Watersheds	Orange Creek Basin. In stream bioassessments in Hogtown Creek, Sweetwater Branch, Tumblin Creek, Little Hatchet Creek, Hatchet Creek, and Lake Forest Creek Watersheds for comparison with historical BioRecon data. Benefits: To determine current status of in-stream biological health in these watersheds; implement Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6.	Monitoring/ Data Collection	Completed	2010	N/A	N/A	Orange Creek Basin – Alachua County	N/A	\$68,375	N/A	FDOT District 2/ Alachua County	FDOT District 2 – \$47,675, Alachua County – \$20,700	N/A
Alachua County	N/A	URBAN08-HOG	Alachua County Roads Street Sweeping	Urban Area. Sweeping of Alachua County– maintained roads in urbanized area. Benchmark frequency for sweeping roads with curb and gutter is recurring 90-day cycle. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	109	70	Lochloosa Lake Basin	N/A	N/A	Not provided	Alachua County	Not provided	N/A
Alachua County	N/A	URBAN08-NEW	Alachua County Roads Street Sweeping	Urban Area. Sweeping of Alachua County– maintained roads in urbanized area. Benchmark frequency for sweeping of roads with curb and gutter is recurring 90-day cycle. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	65	42	Hogtown Creek Basin	N/A	N/A	Not provided	Alachua County	Not provided	N/A

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Alachua County	N/A	URBAN08-SWT	Alachua County Roads Street Sweeping	Urban Area. Sweeping of Alachua County– maintained roads in urbanized area. Benchmark frequency for sweeping roads with curb and gutter is recurring 90-day cycle. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	44	28	Sweetwater Branch Paynes Prairie Alachua Sink Basin	N/A	N/A	Not provided	Alachua County	Not provided	N/A
Alachua County	N/A	NEW33	Little Hatchet Creek	Little Hatchet Creek/Gum Root Swamp. Field survey and sampling of soils/ sediment where Little Hatchet Creek enters and exits Gum Root Swamp to evaluate soil/sediment phosphorus. Implements Alachua County Comp Plan Conservation and Open Space Element – Surface Water Systems Objective 4.6 and policies.	Monitoring/ Data Collection	Completed	2015	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$7,387	N/A	Alachua County	\$7,387	N/A
Alachua County	N/A	NEW34	Floyd Acquisition	Newnans Lake. Alachua County. Land acquisition – Floyd parcel 1.41 ac. To be managed as part of Newnans Lake Cypress Preserve. Benefits: No increase in surface runoff of pollutants because of land use change, continued aquifer recharge and ecosystem/habitat preservation; implement Alachua County Comp Plan Conservation and Open Space Element – Alachua County Forever Policy 6.2.1.	Land Acquisition	Completed	2015	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	\$50,501	N/A	Wild Spaces Public Place Surtax	\$50,501	N/A

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Alachua County	TBD	NEW39	Newans Lake Shoreline Sediments Nutrient Sampling	Newnans Lake. Conduct shoreline sampling of sediments to evaluate nutrient hot spots and chemical makeup of surface sediments in effort to better understand sediment surface interactions along Newnans Lake shoreline.	Monitoring/ Data Collection	Planned	TBD	N/A	N/A	Newnans Lake Basin – Alachua County	N/A	Not provided	N/A	Not provided	Not provided	N/A
City of Gainesville	Alachua County/ FDOT District 2/ UF-IFAS Alachua County Extension	ALACHUA16	FFL Education Programs/ Addresses Nutrient TMDL	Gainesville urban area and Alachua County. Public education program to promote stormwater nutrient (nitrogen and phosphorus) reduction from residential and commercial landscaping to protect groundwater and surface water resources. Reduce pollutant concentrations in stormwater runoff; demonstrate importance of preventing nonpoint source pollution.	Education Efforts	Completed	N/A	N/A	N/A	Orange Creek Basin – Alachua County	N/A	N/A	\$10,000	Gainesville Clean Water Partnership (Alachua County, City, FDOT District 2)	Not provided	N/A
City of Gainesville	Alachua County/ FDOT District 2	MSPERMIT01	City of Gainesville Water Pollution Prevention Program NPDES MS4 Permit	Urbanized area of Gainesville and Alachua County. Multiple public outreach and education programs, IDDE programs, mapping and modeling efforts, construction site pollution prevention programs, and municipal operations pollution prevention programs. Benefits: Remove illicit connections; BMP implementation. Reduce loadings.	Education Efforts	Completed	N/A	N/A	N/A	Regulated MS4 area	N/A	\$4,774,500	N/A	City Stormwater Management Utility Fee/ City/ Alachua County/ FDOT District 2 (Gainesville Clean Water Partnership)	City – \$1,771,300	N/A
City of Gainesville	FCT	NEW16	Duval Neighborhood Stormwater Park Land Acquisition	East side of Gainesville. Land acquisition for subregional stormwater basin in nature park setting. Future stormwater basin will reduce pollutant load to Newnans Lake. Remainder of site will	Land Acquisition	Completed	Not provided	N/A	N/A	Newnans Lake Basin – City of Gainesville	N/A	\$238,291	N/A	FCT, CBDG	FCT – \$140,412 CBDG – \$97,879	N/A

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				support ecosystem/habitat preservation, passive recreation, and environmental education.												
City of Gainesville	FCT/ DEP / HUD	NEW19	Duval Stormwater Park	Duval Neighborhood Stormwater Park, 26.4 ac, is located at 505 NE 21st St. in Gainesville "Front Porch Community." Urban stormwater retrofit project is designed to improve water quality in Newnans Lake. Duval Stormwater Park provides water quality treatment credit "bank" that city may draw from as needed during implementation of revitalization projects in Duval neighborhood. Duval Stormwater Park also provides passive recreational opportunities. Benefits: Reduce sediment load and nutrient loads.	Regional Stormwater Treatment	Completed	2011	TBD	TBD	Newnans Lake Basin – City of Gainesville	56.0	\$891,609	N/A	Stormwater Management Utility Fees/ FDOT Cost-Share Grant/ DEP Grant, CBDG/ FCT Grant	Not provided	Not provided
City of Gainesville	N/A	NEW28	Duval Heights Drainage Improvements	Lake Forest Creek Watershed. Construction of roadside swales to help prevent flooding of existing paved streets and will provide additional treatment prior to discharging to Duval Stormwater Park.	Swale	Canceled	N/A	N/A	N/A	Newnans Lake Basin – City of Gainesville	N/A	N/A	N/A	N/A	N/A	N/A
City of Gainesville	N/A	NEW29	Smokey Bear Rd. Underpass Improvements	Little Hatchet Creek Watershed. Underpass upgrade. Replacement and upgrade to existing underpass for Little Hatchet Creek to prevent upstream flooding and erosion control	Stormwater System Rehabilitation	Canceled	N/A	N/A	N/A	Newnans Lake Basin – City of Gainesville	N/A	N/A	N/A	N/A	N/A	N/A
City of Gainesville	N/A	NEW30	Little Hatchet and Lake Forest Creek Watershed Master Study	Little Hatchet and Lake Forest Creek Watersheds. Conduct watershed master study and plan for both watersheds to determine projects to	Study	Planned	2018	N/A	N/A	Newnans Lake Basin – City of Gainesville	N/A	\$300,000	N/A	City of Gainesville Stormwater Management Utility Fee	\$300,000	N/A

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				benefit watersheds along with Newnans Lake.												
City of Gainesville	N/A	NEW41	Pleasant Acres Storm Sewer	Provides compensating treatment for redevelopment site. Benefits: Reduce sediment load and nutrient loads. Improve water quality.	Regional Stormwater Treatment	Completed	Not provided	N/A	Not provided	Newnans Lake Basin – City of Gainesville	Not provided	\$70,176	N/A	City Storm Water Management Utility Fee	\$70,176	N/A
City of Gainesville	FDOT/ SJRWMD	SWT02	Depot Ave. Stormwater Park	Depot Ave. 32-ac brownfield restoration site includes 11-ac wet detention pond developed in park. Benefits: Reduce sediment load and nutrient loads.	Wet Detention Pond	Completed	2007	661	256	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	117.7	\$7,162,000	N/A	SJRWMD/ Legislature/ FDOT District 2/ City Stormwater Management Utility Fee/ SRF	Not provided	N/A
City of Gainesville	EPA	SWT35	Southeast 19th St., Rosewood Trash Trap Land Acquisition	Upper Sweetwater Branch Watershed. Land acquisition for future stormwater treatment. Benefits: Future site of water quality improvement project.	Land Acquisition	Completed	2004	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	N/A	\$4,135	N/A	EPA	Not provided	N/A
City of Gainesville	DEP	SWT36	Southeast 9th St., Rosewood Trash Trap	Upper Sweetwater Branch Watershed. Stormwater treatment facility. Water quality improvement project.	Catch Basin Inserts/Inlet Filter Clean Out	Completed	2010	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	N/A	\$350,000	N/A	City/ DEP	Not provided	Not provided
City of Gainesville	N/A	TUM02	SW 11th Ave. Storm Sewer	1200 Block SW 11th Ave. Improve storm sewer system. Stabilize creek outfall. Benefits: Reduce sediment load.	Stormwater System Rehabilitation	Completed	2004	Not provided	Not provided	Tumblin Creek Basin – City of Gainesville	Not provided	\$88,000	N/A	City Stormwater Management Utility Fee	\$88,000	N/A
City of Gainesville	FDOT	TUM23	Tumblin Creek Sediment and Trash Trap	Tumblin Creek Watershed. Stormwater sediment and trash trap. Water quality improvement project by removal of debris, sediment, and potential pollutants from Tumblin Creek and its watershed prior to discharge to Bivens Arm and	Catch Basin Inserts/Inlet Filter Clean Out	Completed	Not provided	Not provided	Not provided	Tumblin Creek Basin – City of Gainesville and FDOT, District 2	N/A	\$1,440,785	N/A	City Stormwater Management Utility Fee/ FDOT	City Stormwater Management Utility Fee – \$1,250,000 FDOT – \$190,785	N/A

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				rehydration of adjacent wetland.												
City of Gainesville	Alachua County	TUM24	City of Gainesville Rain and Weather Gauges	Gainesville Urban Area. Installation of weather stations to monitor rain, temperature and other weather data at various points across Gainesville. Three stations installed. Collecting rain and additional weather data at various locations across Gainesville that can be used in future analysis	Monitoring/ Data Collection	Completed	N/A	N/A	N/A	Orange Creek Basin – Alachua County urban area	N/A	\$7,194	N/A	City Stormwater Management Utility Fee	Not provided	N/A
City of Gainesville	N/A	TUM25	Tumblin Creek Southwest 9th St. Pipe Upgrade	Tumblin Creek Watershed. stormwater pipe upgrade. Replacement of existing older pipes to better convey stormwater to headwaters of Tumblin Creek	Stormwater System Rehabilitation	Completed	Not provided	Not provided	Not provided	Tumblin Creek Basin – City of Gainesville	N/A	\$920,000	N/A	City Stormwater Management Utility Fee	\$920,000	N/A
City of Gainesville	N/A	TUM26	Tumblin Creek West 6th St. Pipe Upgrade	Tumblin Creek Watershed. Stormwater pipe upgrade. Replacement of existing older pipes to better convey stormwater to existing infrastructure leading to Tumblin Creek	Stormwater System Rehabilitation	Underway	TBD	Not provided	Not provided	Tumblin Creek Basin – City of Gainesville	N/A	\$300,000	N/A	City Stormwater Management Utility Fee	\$300,000	N/A
City of Gainesville	N/A	TUM27	Tumblin Creek Northwest 14th St. Pipe Upgrade	Tumblin Creek Watershed. stormwater pipe upgrade. Replacement of existing older pipes to better convey stormwater to existing infrastructure leading to Tumblin Creek	Stormwater System Rehabilitation	Canceled	N/A	N/A	N/A	Tumblin Creek Basin – City of Gainesville	N/A	N/A	N/A	N/A	N/A	N/A
City of Gainesville	N/A	TUM28	Tumblin Creek Southwest 7th Terrace Pipe Upgrade	Tumblin Creek Watershed. stormwater pipe upgrade. Replacement of existing older pipes to better convey stormwater to headwaters of Tumblin Creek	Stormwater System Rehabilitation	Canceled	N/A	N/A	N/A	Tumblin Creek Basin – City of Gainesville	N/A	N/A	N/A	N/A	N/A	N/A

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City of Gainesville	N/A	TUM29	Tumblin Creek Southwest 14th Ave. Underpass Improvements	Tumblin Creek Watershed. underpass upgrade. Replacement and upgrade to existing underpass for Tumblin Creek to prevent upstream flooding and erosion control	Stormwater System Rehabilitation	Canceled	N/A	N/A	N/A	Tumblin Creek Basin – City of Gainesville	N/A	N/A	N/A	N/A	N/A	N/A
City of Gainesville	N/A	TUM30	Tumblin Creek Southwest 9th St. Underpass Improvements	Tumblin Creek Watershed. underpass upgrade. Replacement and upgrade to existing underpass for Tumblin Creek to prevent upstream flooding and erosion control	Stormwater System Rehabilitation	Canceled	N/A	N/A	N/A	Tumblin Creek Basin – City of Gainesville	N/A	N/A	N/A	N/A	N/A	N/A
City of Gainesville	N/A	TUM31	Tumblin Creek P.K. Yonge Underpass Improvements	Tumblin Creek Watershed. Underpass upgrade. Replacement and upgrade to existing underpass for Tumblin Creek to prevent upstream flooding and erosion control.	Stormwater System Rehabilitation	Canceled	N/A	N/A	N/A	Tumblin Creek Basin – City of Gainesville	N/A	N/A	N/A	N/A	N/A	N/A
City of Gainesville	N/A	TUM32	Tumblin Creek Erosion Control and Stream Restoration	Tumblin Creek Watershed. Creek restoration. Upgrade problematic areas along Tumblin Creek for erosion control and stream restoration.	Stormwater System Rehabilitation	Canceled	N/A	N/A	N/A	Tumblin Creek Basin – City of Gainesville	N/A	N/A	N/A	N/A	N/A	N/A
City of Gainesville	EPA/ SJRWMD	URBAN02	Hydrodynamic Separator Number 1	400 block of Southeast 1st Ave. in Gainesville. Installation and operation of baffle box on SE 1st Ave. in downtown Gainesville and used for sediment collection. Treats 11.5-ac area in Sweetwater Watershed. Maintenance schedule includes cleaning out sediment structures/ hydrodynamic separators minimum of twice/yr. Benefits: Prevents sediment and trash from entering streams and storm sewer system.	Baffle Boxes – 2nd Generation	Completed	N/A	Not provided	Not provided	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	N/A	\$26,260	\$3,500	City Stormwater Management Utility Fee/ EPA Grant/ SJRWMD	Not provided	N/A

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City of Gainesville	UF/ Florida Stormwater Association (FSA)	URBAN07	Assessment Tool for MS4 Pollutant Load Reduction	Urban area. UF study to determine load reductions for MS4 operations. Load reductions will be determined for baffle boxes and street sweeping. Benefits: Provide methods that will allow calculation of loading reductions from accepted pollutant prevention and removal practices.	Study	Completed	2007	N/A	N/A	Orange Creek Basin – City of Gainesville urban area	N/A	\$13,000	N/A	FSA	Not provided	N/A
City of Gainesville	EPA/ SJRWMD	URBAN10	Hydrodynamic Separator Number 5	Units installed in 700 block of Northeast West Blvd. and 100 block of Northeast East Blvd. (Duck Pond area). Installation and operation of 2 CDS units in downtown Gainesville. Treats 20-ac area in Sweetwater Watershed. Maintenance schedule includes cleaning out sediment structures/ hydrodynamic separators at minimum of twice/yr. Benefits: Prevents sediment and trash from entering streams and storm sewer system.	CDS Unit	Completed	N/A	Not provided	Not provided	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	N/A	\$145,180	\$3,500	City Stormwater Management Utility Fee/ EPA Grant/ SJRWMD	Not provided	N/A
City of Gainesville	Alachua County/ FDOT District 2	URBAN13	Gainesville Urban Area Storm Sewer Geodatabase	Urban area. Maintain comprehensive geodatabase for city and county storm sewer system data, watershed boundaries, and hydrologic features in Gainesville Urban Area. Coordinate with FDOT for data compatibility. Provide location information of storm sewer infrastructure and allow for flow modeling and illicit discharge tracking.	Study	Completed	2017	N/A	N/A	Orange Creek Basin – City of Gainesville urban area	N/A	\$2,040,000	N/A	Gainesville Clean Water Partnership (City, Alachua County, FDOT District 2)	\$2,040,000	N/A
City of Gainesville	N/A	URBAN14-HOG	Ditch Maintenance	Urban area. Hogtown Creek Basin, ditch dredging in Gainesville.	BMP Clean Out	Completed	N/A	140	57	Orange Creek Basin – City of	N/A	N/A	\$32,000	City Stormwater Management Utility Fee	Not provided	N/A

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				Performance measure of debris and sediment collected is 1,100 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants that enter ditches. Prevent entry into waterways.						Gainesville urban area						
City of Gainesville	N/A	URBAN14-NEW	Ditch Maintenance	Urban area. Hogtown Creek Basin. ditch dredging in Gainesville. Performance measure of debris and sediment collected is 1,100 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants that enter ditches. Prevent entry into waterways.	BMP Clean Out	Completed	N/A	35	14	Orange Creek Basin – City of Gainesville urban area	N/A	N/A	\$32,000	City Stormwater Management Utility Fee	Not provided	N/A
City of Gainesville	N/A	URBAN14-SWT	Ditch Maintenance	Urban area. Hogtown Creek Basin, ditch dredging in Gainesville. Performance measure of debris and sediment collected is 1,100 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants that enter ditches. Prevent entry into waterways.	BMP Clean Out	Completed	N/A	56	23	Orange Creek Basin – City of Gainesville urban area	N/A	N/A	\$32,000	City Stormwater Management Utility Fee	Not provided	N/A
City of Gainesville	N/A	URBAN15-HOG	Storm Drain Cleaning	Urban area. Hogtown Creek Basin. Stormdrain cleaning of Gainesville, major collector roads, and residential areas. Performance measure of debris and sediment collected is 80 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants that enter storm drains. Prevent entry into waterways.	BMP Clean Out	Completed	N/A	1	1	Orange Creek Basin – City of Gainesville Urban Area	N/A	N/A	\$9,000	City Stormwater Management Utility Fee	Not provided	N/A

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City of Gainesville	N/A	URBAN15-NEW	Storm Drain Cleaning	Urban area. Hogtown Creek Basin. stormdrain cleaning of Gainesville, major collector roads, and residential areas. Performance measure of debris and sediment collected is 80 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants that enter storm drains. Prevent entry into waterways.	BMP Clean Out	Completed	N/A	0	0	Orange Creek Basin – City of Gainesville urban area	N/A	N/A	\$9,000	City Stormwater Management Utility Fee	Not provided	N/A
City of Gainesville	N/A	URBAN15-SWT	Storm Drain Cleaning	Urban area. Hogtown Creek Basin. stormdrain cleaning of Gainesville, major collector roads, and residential areas. Performance measure of debris and sediment is 80 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants that enter storm drains. Prevent entry into waterways.	BMP Clean Out	Completed	N/A	0	0	Orange Creek Basin – City of Gainesville urban area	N/A	N/A	\$9,000	City Stormwater Management Utility Fee	Not provided	N/A
City of Gainesville	N/A	URBAN16-HOG	Stormwater Pond Maintenance	Urban area. Hogtown Creek Basin. stormwater pond dredging in Gainesville. Performance measure of debris and sediment collected is 180 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants that enter stormwater ponds. Prevent entry into waterways.	BMP Clean Out	Completed	N/A	11	4	Orange Creek Basin – City of Gainesville urban area	N/A	N/A	\$15,333	City Stormwater Management Utility Fee	Not provided	N/A
City of Gainesville	N/A	URBAN16-NEW	Stormwater Pond Maintenance	Urban area. Hogtown Creek Basin. stormwater pond dredging in Gainesville. Performance measure of debris and sediment collected is 180 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants that enter stormwater ponds. Prevent entry into waterways.	BMP Clean Out	Completed	N/A	3	1	Orange Creek Basin – City of Gainesville urban area	N/A	N/A	\$15,333	City Stormwater Management Utility Fee	Not provided	N/A

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City of Gainesville	N/A	URBAN16-SWT	Stormwater Pond Maintenance	Urban area. Hogtown Creek Basin. stormwater pond dredging in Gainesville. Performance measure of debris and sediment collected is 180 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants that enter stormwater ponds. Prevent entry into waterways.	BMP Clean Out	Completed	N/A	4	2	Orange Creek Basin – City of Gainesville urban area	N/A	N/A	\$15,333	City Stormwater Management Utility Fee	Not provided	N/A
City of Gainesville	Alachua County/ City of Gainesville/ FDOT District 2 (Gainesville Clean Water Partnership)/ Current Problems, Inc.	ALACHUA15	Waterway Clean-up and Shore Restoration Programs	Urban area and Alachua County. Public participation program to promote reduction of trash and pollutant loads in local waterways through waterway clean up events and shore restoration projects. Reduce pollutant concentrations in stormwater runoff; demonstrate importance of preventing nonpoint source pollution.	Education Efforts	Completed	N/A	N/A	N/A	Orange Creek Basin – Alachua County	N/A	N/A	\$18,000	Gainesville Clean Water Partnership (Alachua County, City of Gainesville, FDOT District 2)	Not provided	N/A
City of Gainesville	SJRWMD/ USACE	HOG17	Fluvial Geomorphologic Assessment and Preliminary Restoration Plan	Northwest Gainesville. Study to determine source of excessive sedimentation in Hogtown Creek and to develop preliminary plan to stabilize creek system. Benefits: First step in developing plan to stabilize excessive sediments.	Study	Completed	2003	N/A	N/A	Hogtown Creek Basin – City of Gainesville	N/A	\$107,200	N/A	206 USACE Program/ SJRWMD Cost-Share Grant/ City Stormwater Management Utility	Not provided	N/A
City of Gainesville	FEMA	HOG19	Sediment Removal	Northwest 8th Ave. Removal of excessive sediment at bridge. Benefits: Reduce sediment being deposited in Loblolly floodplain.	Muck Removal/ Restoration Dredging	Completed	2005	N/A	N/A	Hogtown Creek Basin – City of Gainesville	N/A	\$280,000	N/A	City Stormwater Management Utility Fee/ FEMA	Not provided	N/A

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City of Gainesville	N/A	HOG29	Hydrodynamic Separator Number 4	Unit installed in 2-34 block of Southwest 23rd Terr. in Gainesville. Installation and operation of Stormceptor™ unit on Southwest 23rd Terr. Treats area of 5.5 ac in Hogtown Watershed. Maintenance schedule includes cleaning out sediment structures/ hydrodynamic separators minimum of twice/yr. Benefits: Prevents sediment and trash from entering streams and storm sewer system.	Stormceptor™ Unit	Completed	N/A	Not provided	Not provided	Hogtown Creek Basin – City of Gainesville	N/A	\$11,410	\$3,500	City Stormwater Management Utility Fee	\$11,410	N/A
City of Gainesville	N/A	HOG31	Hydrodynamic Separator Number 7	Unit installed in 1300 block of Northwest 29th Rd. in Gainesville. Installation and operation of Vortex Unit #11000 in 1300 block of Northwest 29th Rd. Treats 55.5-ac area in Hogtown Watershed. Maintenance schedule includes cleaning out sediment structures/ hydrodynamic separators minimum of twice/yr. Benefits: Prevents sediment and trash from entering streams and storm sewer system.	Stormceptor™ Unit	Completed	N/A	Not provided	Not provided	Hogtown Creek Basin – City of Gainesville	N/A	\$62,728	\$3,500	City Stormwater Management Utility Fee	Not provided	N/A
City of Gainesville	EPA	SWT03	Duck Pond Restoration	Northeast 10th Ave. to Northeast 5th Ave. Creek restoration project to remove concrete channel and add sinuosity and wetland plants to 2,500-ft channel. Two CDS units added to prevent gross pollutants from entering creek. Duck species replaced and existing pond dredged and deepened with addition of littoral zone. Benefits: Reduce sediment load,	CDS Unit	Completed	2005	Not provided	Not provided	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	N/A	\$1,040,000	N/A	EPA Grant, Stormwater Management Utility Fee	Not provided	N/A

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				bacteria, and nutrient loads.												
City of Gainesville	N/A	SWT04	Spring Hill Stormwater Park	Springhill Community. 3.6-ac stormwater park designed to treat runoff from residential areas. Water quality improvement from wet detention. Provides compensating treatment for redevelopment sites downtown. Benefits: Reduce sediment load and nutrient loads. Improve water quality from wet detention.	Wet Detention Pond	Completed	2003	66	22	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	7.4	\$170,000	N/A	City Stormwater Management Utility Fee	\$170,000	N/A
City of Gainesville	EPA	SWT24	Sweetwater Branch Watershed Management Plan (WMP) Update and Land Acquisition	Sweetwater Branch Watershed. Study to identify and prioritize new water quality treatment projects and develop stream stabilization plan. Balance of EPA grant funds used for land acquisition of project sites. Benefits: Management options were identified. Top-priority project sites were purchased. Top-priority projects were added to City of Gainesville CIP project list. Plan information used to successfully apply for Section 319 funding.	Study	Completed	2006	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	N/A	\$530,000	N/A	City Stormwater Management Utility Fee/ EPA grant	Not provided	N/A
City of Gainesville	EPA	SWT33	NW 2nd St. Land Acquisition	Upper Sweetwater Branch Watershed. Land acquisition for future stormwater treatment. Benefits: Future site of water quality improvement project.	Land Acquisition	Completed	2006	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	N/A	\$58,470	N/A	EPA	Not provided	N/A
City of Gainesville	EPA	SWT34	NW 14th Ave. Land Acquisition	Upper Sweetwater Branch Watershed. Land acquisition for future stormwater treatment. Benefits: Future site of	Land Acquisition	Completed	2004	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin –	N/A	\$57,600	N/A	EPA	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				water quality improvement project.						City of Gainesville						
City of Gainesville	N/A	TUM01	Southwest 5th Ave. Basin	Southwest 5th Ave. 4.8-ac site contains 2.5-ac wet detention pond for water quality improvement. Site is located next to 3.5-ac Tumblin Creek Park. Benefits: Reduce sediment load and nutrient loads.	Wet Detention Pond	Completed	2003	157	20	Tumblin Creek Basin – City of Gainesville	50.8	\$1,147,818	N/A	City Stormwater Management Utility Fee	\$1,147,818	N/A
City of Gainesville	Not provided	TUM03	Tumblin Creek WMP Update	Tumblin Creek Watershed. Study to identify and prioritize new water quality treatment projects and LID options. Benefits: Pollutant loading model developed and pollutant load reduction projects have been identified and ranked.	Study	Completed	2007	N/A	N/A	Tumblin Creek Basin – City of Gainesville	N/A	\$246,426	N/A	City Stormwater Management Utility Fee/ Community Redevelopment Agency (College Park and University Heights Neighborhood Boards)	Not provided	N/A
City of Gainesville	N/A	URBAN01-HOG	Street Sweeping	Gainesville Urban Area Hogtown Creek Basin. Street sweeping of downtown Gainesville, major collector roads, and residential areas. Benchmark frequency for sweeping downtown area is twice per week in early morning with additional sweeping as needed during special events. Benchmark sweeping frequency for major roads is once every 4 wks or as needed. Benchmark frequency of sweeping for residential areas is 9 times/yr. Performance measure of debris and sediment collected is 17,000 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	125	80	Orange Creek Basin – City of Gainesville urban area	N/A	N/A	\$166,667	City Stormwater Management Utility Fee	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Gainesville	N/A	URBAN01-NEW	Street Sweeping	Gainesville Urban Area Hogtown Creek Basin. Street sweeping of downtown Gainesville, major collector roads, and residential areas. Benchmark frequency for sweeping downtown area is twice per week in early morning with additional sweeping as needed during special events. Benchmark sweeping frequency for major roads is once every 4 wks or as needed. Benchmark frequency of sweeping for residential areas is 9 time/yr. Performance measure of debris and sediment collected is 17,000 cubic yds/yr. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	32	20	Orange Creek Basin – City of Gainesville urban area	N/A	N/A	\$166,667	City Stormwater Management Utility Fee	Not provided	N/A
City of Gainesville	N/A	URBAN01-SWT	Street Sweeping	Gainesville Urban Area Hogtown Creek Basin. Street sweeping of downtown Gainesville, major collector roads, and residential areas. Benchmark frequency for sweeping downtown area is twice per week in early morning with additional sweeping as needed during special events. Benchmark sweeping frequency for major roads is once every 4 wks or as needed. Benchmark frequency of sweeping for residential areas is 9 times annually. Performance measure of debris and sediment collected is 17,000 cubic yds/yr. Benefits: Remove debris, sediment, and	Street Sweeping	Completed	N/A	50	32	Orange Creek Basin – City of Gainesville urban area	N/A	N/A	\$166,667	City Stormwater Management Utility Fee	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				potential pollutants from streets. Prevent entry into storm sewer system.												
City of Gainesville	EPA/ SJRWMD	URBAN03	Hydrodynamic Separator Number 2	Installation and operation of Vortech Unit in 400–500 block of Southeast 2nd Pl. in downtown Gainesville. Treats 8.8-ac area in Sweetwater Watershed. Maintenance schedule includes cleaning out sediment structures/ hydrodynamic separators a minimum of twice/yr. Benefits: Prevents sediment and trash from entering streams and storm sewer system.	CDS Unit	Completed	N/A	Not provided	Not provided	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	N/A	\$25,200	\$3,500	City Stormwater Management Utility Fee/ EPA grant/ SJRWMD	Not provided	N/A
City of Gainesville	N/A	HOG30	Hydrodynamic Separator Number 6	Installation and operation of Vortex Unit #3000 in 1300 block of Gainesville 29th Rd. Treats 4.5-ac area in Hogtown Watershed. Maintenance schedule includes cleaning out sediment structures/ hydrodynamic separators a minimum of twice/yr. Benefits: Prevents sediment and trash from entering streams and storm sewer system.	Stormceptor™r Unit	Completed	N/A	Not provided	Not provided	Hogtown Creek Basin – City of Gainesville	N/A	\$29,211	\$3,500	City Stormwater Management Utility Fee	Not provided	N/A
City of Gainesville	EPA/ SJRWMD	URBAN09	Hydrodynamic Separator Number 3	Installation and operation of Stormceptor™ unit in 1300 block of Southeast 1st St. in downtown Gainesville. Treats 10-ac area in Sweetwater Watershed. Maintenance schedule includes cleaning out sediment structures/ hydrodynamic separators a minimum of twice/yr. Benefits: Prevents sediment and trash from entering streams and storm sewer system.	Stormceptor™ Unit	Completed	N/A	Not provided	Not provided	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville	N/A	\$11,410	\$3,500	City Stormwater Management Utility Fee/ EPA grant/ SJRWMD	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Gainesville/ GRU	DEP Parks and Recreation	AS05	Feasibility Analysis of Sweetwater Branch Sheetflow Restoration Project at Paynes Prairie Preserve State Park, Alachua County, Florida	Sweetwater Branch at Paynes Prairie. Assess technical and economic feasibility of restoring historical sheetflow of Sweetwater Branch onto Paynes Prairie wetlands by diverting flow from Alachua Sink. Determine allowable nutrient concentrations and loading to Paynes Prairie. Evaluate proposed diversion of Sweetwater Branch discharge to wetland flow through system rather than direct discharge to Alachua Sink. Collaborative study with GRU and Paynes Prairie Preserve State Preserve. Benefits: Rehydrates hundreds of acres of wetlands in Paynes Prairie Preserve State Park and diversion of Sweetwater Branch discharge from Alachua Sink.	Study	Completed	2006	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville and GRU	N/A	\$25,000	N/A	City Public Works/ GRU/ DEP Parks and Recreation	City Public Works/ GRU/ DEP Parks and Recreation (each paid one-third of cost)	N/A
City of Gainesville/ GRU	DEP Division of Parks and Recreation/ SJRWMD	AS15	Paynes Prairie Sheetflow Restoration Conceptual Plan	Paynes Prairie. Develop conceptual plan and estimate of costs for proposed Paynes Prairie Restoration Project. Project to proceed with approval of all regulatory agencies. Benefits: Provide plan to meet TMDL through cooperative treatment alternatives.	Study	Completed	2007	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – City of Gainesville and GRU	2,112.0	\$29,500	N/A	GRU/ City	Not provided	N/A
City of Gainesville/ GRU	Potential partners include RHP Properties (owners of Brittany Estates MHP), GRU, SJRWMD, DEP	NEW35	Eliminate nutrient load from Brittany Estates WWTF	Brittany Estates Mobile Home Park (5010 Northeast Waldo Rd., Gainesville). Project goal is to explore possibility of partnership with GRU and owner of Brittany Estates to affordably transfer wastewater from community to GRU's	Study	Planned	TBD	N/A	N/A	Newnans Lake Basin	N/A	Not provided	N/A	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Main St. WRF, eliminating use of community's onsite WWTP and its discharge to Little Hatchet Creek. GRU estimated planning-level costs for transfer of wastewater at \$1 million, including new lift station, force main, and connection charges.												
DEP	N/A	NEW08	Ground Water-Surface Water Interaction Study, Newnans Lake	Newnans Lake Watershed. Study examines groundwater pathways through which nutrients enter Newnans Lake. Benefits: Improve understanding of groundwater's role in contributing nutrients to Newnans Lake.	Study	Completed	2008	N/A	N/A	Newnans Lake Basin – DEP	N/A	\$7,500	N/A	Not provided	\$7,500	Not provided
DEP	Not provided	LOCH07	Ground Water - Surface Water Interaction Study Lochloosa Lake Area, Alachua and Marion Counties, Florida	Lochloosa Lake and Orange Lake Watersheds. Study examined groundwater pathways through which nutrients enter Lochloosa Lake and Orange Lake. Field investigations to determine levels of TP and TN in different aquifers associated with land use categories. Radon studies performed to estimate groundwater seepage into Lochloosa Lake. Benefits: Better estimation of groundwater inputs of TP in TMDL models.	Study	Completed	2007	N/A	N/A	Orange Lake and Lochloosa Lake Basins – DEP	N/A	\$64,000	N/A	Federal Funds	\$64,000	N/A
DEP/ ACEPD, City of Gainesville, GRU/ Alachua County Health Dept. (ACHD)	N/A	BACTERIA16	Evaluation of Fecal Coliform Bacteria "Hot Spots" in Gainesville Urban Creeks Addresses Bacteria TMDL	Urban creeks in Orange Creek Basin. Project directed to further investigation of locations in urban creeks with continued high fecal coliform bacteria counts. Part of BMAP implementation to identify sources for continued high fecal	Monitoring/ Data Collection	Completed	Not provided	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins	N/A	Not provided	N/A	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				counts. Benefits: Identify and remediate sources of fecal coliform.												
DEP/ SJRWMD/ ACEPD	N/A	NEW18	Depth to Top of Hawthorn Formation Investigation	Newnans Lake Watershed. Boreholes were drilled at 24 locations in watershed to determine depth from land surface to top of Hawthorn Formation. Depth was determined by both physical observation and gamma ray logging. Samples of phosphatic rock were collected for analysis of phosphate content. Hawthorn Formation comprises layers of interbedded phosphatic clays and is hypothesized to be one of sources of TP into Newnans Lake, particularly where formation is close to surface either naturally or by artificial ditching. Mapping of Hawthorn surface provides greater detail of interaction of subsurface geology with activities on land surface.	Study	Completed	2010	N/A	N/A	Newnans Lake Basin – DEP	N/A	\$5,000	N/A	Federal Funds	Not provided	N/A
FDACS	Private Landowners	NUTRIENT06	Cow/Calf BMPs	Marion County primarily; Alachua County. Cow/calf BMP implementation and effectiveness verification. BMP implementation and effectiveness verification will be priority focus for FDACS in basin as result of TMDL Program. Protection of streams and lakes from surface runoff generated by agricultural operations.	Agricultural BMPs	Completed	N/A	Not provided	Not provided	Orange Creek Basin – FDACS	N/A	Not provided	Not provided	General Inspection Trust Fund	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDACS	Private Landowners	NUTRIENT07	Container Nursery BMPs	Marion County primarily; Alachua County. Container nursery BMP implementation and effectiveness verification. BMP manual adopted by FDACS rule. However, number of container nursery operations in basin is minimal. FDACS will evaluate need for BMP enrollment and implementation assurance for container nurseries. Benefits: Protection of streams and lakes from surface runoff generated by agricultural operations.	Agricultural BMPs	Completed	N/A	Not provided	Not provided	Orange Creek Basin – FDACS	N/A	Not provided	Not provided	General Inspection Trust Fund	Not provided	N/A
FDACS	Private Landowners	NUTRIENT08	Sod BMPs	Marion County primarily; Alachua County. Sod operation BMP implementation and effectiveness verification. Sod farm acreage in basin is minimal. FDACS will evaluate need for BMP enrollment and implementation assurance for sod operations. Benefits: Protection of streams and lakes from surface runoff generated by agricultural operations.	Agricultural BMPs	Completed	N/A	Not provided	Not provided	Orange Creek Basin – FDACS	N/A	Not provided	Not provided	General Inspection Trust Fund	Not provided	N/A
FDACS	Private Landowners	OR05	Vegetable and Agronomic Crop BMPs	Marion County primarily; Alachua County. Row crop BMP implementation and effectiveness verification. BMP manual adopted by FDACS rule. However, row crop acreage in basin is minimal. FDACS will evaluate need for BMP enrollment and implementation assurance for row crops. Benefits: Protection of streams and lakes from surface runoff	Agricultural BMPs	Completed	N/A	Not provided	Not provided	Orange Creek Basin – FDACS	N/A	Not provided	Not provided	General Inspection Trust Fund	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				generated by agricultural activities.												
FDACS	Private Landowners	OR06	Equine BMPs	Marion County primarily; Alachua County. Horse farm BMP implementation and effectiveness verification. BMPs and manual under development. BMP implementation and effectiveness verification will be priority focus for FDACS in basin as result of TMDL Program. Benefits: Protection of streams and lakes from surface runoff generated by agricultural activities.	Agricultural BMPs	Completed	N/A	Not provided	Not provided	Orange Creek Basin – FDACS	N/A	Not provided	Not provided	General Inspection Trust Fund	Not provided	N/A
FDACS	Private Landowners	OR07	Specialty Fruit	Alachua County; Marion County. Specialty fruit and nut BMP implementation and effectiveness verification. BMP manual adopted by FDACS rule in May 2011. Acreage in basin may be minimal but increasing. BMP implementation and effectiveness verification will be a priority focus for FDACS in basin as result of TMDL Program. Benefits: Protection of streams and lakes from surface runoff generated by agricultural activities.	Agricultural BMPs	Completed	N/A	Not provided	Not provided	Orange Creek Basin – FDACS	N/A	Not provided	Not provided	General Inspection Trust Fund	Not provided	N/A
FDACS/ Florida Forest Service	Private Landowners	NUTRIENT03	Silviculture BMP Implementation and Compliance	Silviculture lands in Alachua County and Marion County. BMPs for silviculture applied to industrial, public, and private lands. Silviculture BMP implementation and compliance. Silviculture BMPs were established in	Agricultural BMPs	Completed	N/A	Not provided	Not provided	Orange Creek Basin – FDACS	N/A	Not provided	Not provided	General Inspection Trust Fund	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				mid-1970s in response to Clean Water Act and revised most recently in 2008. BMPS are minimum standards for protecting and maintaining water quality during ongoing silviculture activities, including forest fertilization. Ongoing projects include biennial BMP surveys and targeted training. Benefits: Protection of streams and lakes from surface runoff from silviculture activities.												
FDOT District 2	N/A	NEW04	Widening of SR 20 from 2 to 4 Lanes	Eastern urban area of Gainesville and Alachua County. Widening of SR 20 from 2 to 4 lanes with stormwater runoff treatment. Three wet detention ponds installed to treat stormwater runoff along with more than 100 ditch blocks to capture runoff. Benefits: Pollutant removal by treatment of stormwater runoff. No previous treatment.	Wet Detention Pond, Grassed Swales with Swale Blocks or Raised Culverts	Completed	2006	3,665	362	Newnans Lake Basin – FDOT, District 2	355.0	Funded with Project LOCH-04	Not provided	Florida Legislature	Funded with Project LOCH-04	N/A
FDOT District 2	N/A	NEW38	FDOT Fertilizer Cessation-Newnans	State-maintained roadways and rights-of-way. Routine fertilizer use was stopped to reduce nutrient loading in stormwater runoff from state-maintained roadways. Eliminates historical practice of fertilizing 15-ft strip adjacent to paved surface.	Fertilizer Cessation	Completed	N/A	1,285	248	Newnans Lake Basin – FDOT, District 2	59.0	N/A	N/A	Florida Legislature	N/A	N/A
FDOT District 2	N/A	OR22	FDOT Fertilizer Cessation-Orange	State-maintained roadways and rights-of-way. Routine fertilizer use was stopped to reduce nutrient loading in stormwater runoff from state-maintained	Fertilizer Cessation	Completed	N/A	257	54	Orange Lake Basin – FDOT, District 2	11.8	N/A	N/A	Florida Legislature	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				roadways. Eliminates historical practice of fertilizing 15-ft strip adjacent to paved surface.												
FDOT District 2	N/A	FDOT2-LOCH	Education Outreach	Lochloosa Lake state roads and rights-of-way. Education outreach.	Education Efforts	Completed	N/A	102	12	Lochloosa Lake Basin – FDOT District 2	N/A	N/A	Not provided	Florida Legislature	N/A	N/A
FDOT District 2	N/A	FDOT2-NEW	Education Outreach	Newnans Lake state roads and rights-of-way. Education outreach.	Education Efforts	Completed	N/A	19	2	Newnans Lake Basin – FDOT District 2	N/A	N/A	Not provided	Florida Legislature	N/A	N/A
FDOT District 2	N/A	FDOT2-ORANGE	Education Outreach	Orange Lake state roads and rights-of-way. Education outreach.	Education Efforts	Completed	N/A	N/A	1	Orange Lake Basin – FDOT District 2	N/A	N/A	Not provided	Florida Legislature	N/A	N/A
FDOT District 2	N/A	HOG18	Sediment Removal	Northwest 34th St. and University Ave. Removal of excessive sediment at bridges. Construction of 4 sediment sump compartments per management plan. Benefits: Reduces sediment being deposited in Sugarfoot Prairie.	Muck Removal/ Restoration Dredging	Completed	2005	Not provided	Not provided	Hogtown Creek Basin – FDOT District 2	N/A	\$2,374,166	\$108,000	Florida Legislature	Not provided	N/A
FDOT District 2	N/A	HOG20	39th Ave Basin Rehabilitation	Northwest 39th Ave. from I-75 to airport. Dry retention pond modified to function as wet detention pond. Design modification needed to address high water table. Benefits: Reduce sediment load and nutrient loads.	Wet Detention Pond	Completed	2004	514	140	Hogtown Creek Basin – FDOT District 2	Not provided	\$1,432,976	Not provided	Florida Legislature	Not provided	N/A
FDOT District 2	N/A	HOG21	Widening of SR 26A	Urban Gainesville Area. Widening of SR 26A with new stormwater runoff treatment. Pollutant removal by treatment of stormwater runoff from SR 26A. Addition of dry detention pond for treatment of stormwater runoff. Road runoff treatment not previously provided. Benefits: Pollutant removal by treatment of	Dry Detention Pond	Completed	2006	63	28	Hogtown Creek Basin – FDOT District 2	15.0	\$3,982,382	Not provided	Florida Legislature	Not provided	N/A

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				stormwater runoff from SR 26A. New treatment.												
FDOT District 2	N/A	LOCH04	Widening of SR 20 from 2 Lanes to 4 Lanes	Eastern urban area of Gainesville and Alachua County. Widening of SR 20 from 2- to 4-lane road with stormwater runoff treatment. Three wet detention ponds installed to treat stormwater runoff along with more than 100 ditch blocks to capture runoff. Benefits: Pollutant removal by treatment of stormwater runoff. No previous treatment.	Wet Detention Pond, Grassed Swales with Swale Blocks or Raised Culverts	Completed	2006	3,665	362	Lochloosa Lake Basin – FDOT District 2	355.0	\$10,763,788	Not provided	Florida Legislature	Not provided	N/A
FDOT District 2	N/A	LOCH12	FDOT Fertilizer Cessation-Lochloosa	State-maintained roadways and rights-of-way. Routine fertilizer use was stopped to reduce nutrient loading in stormwater runoff from state-maintained roadways. Eliminates historical practice of fertilizing 15-ft strip adjacent to paved surface.	Fertilizer Cessation	Completed	N/A	4,164	869	Lochloosa Lake Basin – FDOT District 2	189.9	N/A	N/A	Florida Legislature	N/A	N/A
FDOT District 2	N/A	URBAN04-HOG	State Roads Street Sweeping	Urban Area Paynes Prairie Basin. Street sweeping of state roads in urbanized areas that have curb and gutter. Includes US 441, SR 26, SR 20, SR 24, SR 128, SR 222, and SR 121. Areas are swept by City of Gainesville and contract personnel for FDOT. Minimum benchmark sweeping frequency is quarterly. Performance benchmark for debris and sediment collected is 125 tons/yr. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	222	142	Hogtown Creek Basin	N/A	N/A	Not provided	Florida Legislature	Not provided	N/A

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FDOT District 2	N/A	URBAN04-NEW	State Roads Street Sweeping	Urban Area Paynes Prairie Basin. Street sweeping of state roads in urbanized areas that have curb and gutter. Includes US 441, SR 26, SR 20, SR 24, SR 128, SR 222, and SR 121. Areas are swept by City of Gainesville and contract personnel for FDOT. Minimum benchmark sweeping frequency is quarterly. Performance benchmark for debris and sediment collected is 125 tons/yr. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	124	79	Newnans Lake Basin	N/A	N/A	Not provided	Florida Legislature	Not provided	N/A
FDOT District 2	N/A	URBAN04-SWT	State Roads Street Sweeping	Urban Area Paynes Prairie Basin. Street sweeping of state roads in urbanized areas that have curb and gutter. Includes US 441, SR 26, SR 20, SR 24, SR 128, SR 222, and SR 121. Areas are swept by City of Gainesville and contract personnel for FDOT. Minimum benchmark sweeping frequency is quarterly. Performance benchmark for debris and sediment collected is 125 tons/yr. Benefits: Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system.	Street Sweeping	Completed	N/A	76	48	Sweetwater Branch Paynes Prairie Alachua Sink Basin	N/A	N/A	Not provided	Florida Legislature	Not provided	N/A
FDOT District 2	Alachua County; City of Gainesville	URBAN11	FDOT Storm Sewer Geodatabase – Alachua County	Alachua County. Maintain comprehensive geodatabase for FDOT-related storm sewer system data in Alachua County. Coordinate with city and county Public	Monitoring/ Data Collection	Completed	N/A	N/A	N/A	Orange Creek Basin – FDOT, District 2	N/A	\$272,375	N/A	Florida Legislature	\$272,375	N/A

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				Works for data compatibility.												
FDOT District 2	N/A	WAU02	FDOT Fertilizer Cessation-Wauberg	State-maintained roadways and rights-of-way. Routine fertilizer use was stopped to reduce nutrient loading in stormwater runoff from state-maintained roadways. Eliminates historical practice of fertilizing 15-ft strip adjacent to paved surface.	Fertilizer Cessation	Completed	N/A	164	34	Lake Wauberg Basin – FDOT, District 2	7.5	N/A	N/A	Florida Legislature	N/A	N/A
FDOT District 5	N/A	OR26	Fertilizer Cessation	District 5–maintained roads in Orange Creek Basin BMAP limits (SR 200, SR 25). Fertilizer contract cessation that reduced nutrients (nitrogen, phosphorus) from entering Orange Creek Basin. Benefits: Reduce nutrients from fertilizers (nitrogen, phosphorus), through cessation of contracts to distribute fertilizer along state-maintained roadways.	Fertilizer Cessation	Completed	N/A	2,707	2,707	Orange Lake Basin – FDOT, District 5	186.5	N/A	N/A	Florida Legislature	N/A	N/A
FDOT District 5	N/A	OR27	Swales	District 5–maintained roads in Orange Creek Basin BMAP limits (I-75, SR 200, SR 25). Swale systems that capture runoff and enhance infiltration. Benefits: Capture runoff and enhance infiltration, thus reducing pollutant sources and runoff in watershed.	Swale	Completed	Not provided	1,691	227	Orange Lake Basin – FDOT, District 5	842.0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FWC	N/A	AS19	Paynes Prairie Exotic Plant Control	Paynes Prairie. Control of exotic plants, including <i>Triadica sebifera</i> , <i>Melia azedarach</i> , and <i>Colocasia esculenta</i> on 250 ac. Enhance success of native plants.	Exotic Vegetation Removal	Completed	2013	N/A	N/A	Within Paynes Prairie – FWC	250.0	\$15,285	N/A	FWC	Not provided	N/A

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FWC	N/A	LOCH08	Lochloosa Lake Annual Aquatic Plant Maintenance Program	Lochloosa Lake. Annual maintenance program for control of non-native species hydrilla, water hyacinth, wild taro, and water lettuce. Protects native plant communities and reduces organic muck buildup from growth of exotic species.	Exotic Vegetation Removal	Completed	N/A	N/A	N/A	Within Lochloosa Lake – FWC	5,075.0	N/A	\$20,000	FWC/ Integrated Pest Management (IPM) Cooperative Aquatic Plant Management Program	Not provided	N/A
FWC	N/A	LOCH10	Littoral Zone Planting 2009	Lochloosa Lake. Littoral zone planting of 5,000 <i>Paspalidium geminatum</i> and 5,000 <i>Schoenoplectus californicus</i> . Enhance aquatic habitat, stabilize bottom, and reduce resuspension of sediment.	Shoreline Stabilization	Completed	2009	N/A	N/A	Within Lochloosa Lake – FWC	N/A	\$3,750	N/A	FWC	Not provided	N/A
FWC	N/A	LOCH11	Cross Creek Exotic Plant Control	Cross Creek. Removal of exotic trees, including <i>Triadica sebifera</i> . Improve aquatic habitat.	Exotic Vegetation Removal	Completed	2011	N/A	N/A	Lochloosa Lake Basin – FWC	N/A	\$6,082	N/A	FWC	Not provided	N/A
FWC	DEP Cooperative Aquatic Plant Management Program	NEW11	Newnans Lake Planting – FY 2005–06	Newnans Lake east shore, south of Windsor ramp. Transplant 90,000 maidencane, knotgrass and giant bulrush plants (30,000 of each species) in areas where littoral habitat is sparse. Benefits: Promote establishment of beneficial vegetation in areas where habitat is sparse.	Shoreline Stabilization	Completed	2006	N/A	N/A	Within Newnans Lake – FWC	N/A	\$19,500	N/A	FWC	Not provided	N/A
FWC	DEP Cooperative Aquatic Plant Management Program	NEW13	Newnans Lake Herbicide	Newnans Lake east shore, near Windsor ramp. Herbicide control of herbaceous tussocks (pennywort, <i>Scirpus cubensis</i> , cupscale). East shore near Windsor has some of most suitable bottom substrate for sportfish spawning in Newnans Lake. FWC removed dense mats of herbaceous tussock to promote establishment of beneficial SAV and rooted emergent species.	Aquatic Plant Management	Completed	2006	N/A	N/A	Within Newnans Lake – FWC	15.0	\$1,000	N/A	FWC	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Benefits: Improve sportfish habitat and promote establishment of SAV.												
FWC	N/A	NEW24	Littoral Zone Planting 2008	Newnans Lake / Planting of 5,000 <i>Paspalidium geminatum</i> and 3,000 <i>Schoenoplectus californicus</i> .	Shoreline Stabilization	Completed	2008	N/A	N/A	Within Newnans Lake – FWC	N/A	\$3,000	N/A	FWC	Not provided	N/A
FWC	N/A	NEW25	Littoral Zone Planting 2009	Newnans Lake / Planting of 7,500 <i>Paspalidium geminatum</i> .	Shoreline Stabilization	Completed	2009	N/A	N/A	Within Newnans Lake – FWC	N/A	\$2,250	N/A	FWC	Not provided	N/A
FWC	N/A	NEW26	Littoral Zone Planting and Management 2011	Newnans Lake / Planting of 5,000 <i>Paspalidium geminatum</i> and management with herbicide of planting sites for pickerel weed and cupscale tussocks in habitat enhancement areas.	Shoreline Stabilization	Completed	2011	N/A	N/A	Within Newnans Lake – FWC	N/A	\$1,900	N/A	FWC	Not provided	N/A
FWC	N/A	NEW27	Littoral Zone Planting 2012	Newnans Lake / Planting of 6,000 <i>Paspalidium geminatum</i> .	Shoreline Stabilization	Completed	2012	N/A	N/A	Within Newnans Lake – FWC	N/A	\$2,280	N/A	FWC	Not provided	N/A
FWC	DEP Cooperative Aquatic Plant Management Program	OR12	Orange Lake Frog's-Bit Control	Northern sections of Orange Lake. Herbicide control of floating mats of frog's-bit in northern sections of Orange Lake. Benefits: Restore deep marsh habitat.	Exotic Vegetation Removal	Completed	2005	N/A	N/A	Within Orange Lake – FWC	N/A	\$31,500	N/A	FWC	Not provided	N/A
FWC	DEP Cooperative Aquatic Plant Management Program	OR14	Orange Lake Tussock Harvesting	Southeast portion of Orange Lake, Essen Run. Mechanical harvesting of tussocks from Essen Run area of Orange Lake. Harvest 36 ac of tussocks from Orange Lake with upland disposal. Benefits: Restore deep marsh habitat.	Aquatic Vegetation Harvesting	Completed	2005	N/A	N/A	Within Orange Lake – FWC	N/A	\$346,500	N/A	FWC	Not provided	N/A
FWC	DEP Cooperative Aquatic Plant Management Program	OR15	Orange Lake Floating Tussock Control	Orange Lake. Control of floating tussocks by shredding. Provides for restoration of deep marsh habitat, protection of established emergent vegetation, and navigation. Benefits: Improved fish and	Aquatic Vegetation Harvesting	Completed	2005	N/A	N/A	Within Orange Lake – FWC	N/A	\$2,252,000	N/A	DEP Cooperative Aquatic Plant Management Program	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				wildlife habitat and public recreation and navigation.												
FWC	N/A	OR16	Orange Lake Annual Aquatic Plant Maintenance Program	Orange Lake. Annual maintenance program for control of non-native species hydrilla, water hyacinth, wild taro, and water lettuce. Protects native plant communities and reduces organic muck buildup from growth of exotic species.	Exotic Vegetation Removal	Completed	N/A	N/A	N/A	Within Orange Lake – FWC	N/A	N/A	\$30,000	FWC/ IPM Cooperative Aquatic Plant Management Program	Not provided	N/A
FWC	ACEPD/ 2 private landowners	OR17	Cypress Strand Planting	Project located in Essen Run area of Orange Lake. Total of 2,000 wetland trees were planted on 2 sites totaling 3.5 ac to enhance forested wetland structure in area burned during 2001 drought. Total of 1,500 bald cypress, 300 red maple, and 200 Carolina ash in 3-gallon pots were planted. Benefits: Stabilizes shoreline and provides forested wetland fish and wildlife habitat in area that burned during 2001 drought. Also provides vegetated buffer to adjacent upland agricultural area (organic farming operation).	Shoreline Stabilization	Completed	2009	N/A	N/A	Within Orange Lake – FWC	N/A	\$7,109	N/A	FWC, ACEPD and Marion County Provided In-Kind Services	Not provided	N/A
FWC	N/A	OR18	Planting of Wetland Trees	Planting of 175 trees comprising <i>Taxodium distichum</i> , <i>Nyssa sylvatica</i> , and <i>Fraxinum caroliniana</i> in littoral zone. Benefits: Stabilizes shoreline and provides forested wetland fish and wildlife habitat. Also provides vegetated buffer to adjacent upland.	Shoreline Stabilization	Completed	2012	N/A	N/A	Within Orange Lake – FWC	N/A	\$1,225	N/A	FWC	\$1,225	N/A
FWC	N/A	OR19	Exotic Tree Control	Removal of exotic trees from littoral zone, including <i>Triadica sebifera</i> and <i>Melia azedarach</i> . Benefits:	Exotic Vegetation Removal	Completed	2011	N/A	N/A	Within Orange Lake – FWC	N/A	\$6,082	N/A	FWC	\$6,082	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Benefits: Stabilizes shoreline and provides forested wetland fish and wildlife habitat. Also provides vegetated buffer to adjacent upland.												
FWC	Orange Lake Association	OR24	Orange Lake / Cypress Island Shallow/Deep Marsh Restoration	Landowner adjacent to site received cost-share grant from FWS Partners for Wildlife Program to control woody shrub encroachment into herbaceous marsh zone during and extended drawdown.	Aquatic Plant Management	Completed	2016	N/A	N/A	Within Orange Lake – FWC	N/A	\$120,000	N/A	FWC	\$120,000	N/A
FWC	N/A	OR25	Establishing Corridors between Shallow and Deep Marsh for Fish and Wildlife and Public Access	East-West Trail from Heagy Burry to Essen Run and West End of PG Run. Fringing marsh/littoral zone conditions in Orange Lake tend to lack traditional habitat zonation. Upland interface at shoreline typically transitions directly into floating marsh, which may also have dense overstory of woody shrubs. This floating marsh is ubiquitous and extends all out to lake's open water limnetic zone. Densely matted floating vegetation completely occludes surface of water throughout littoral zone, which in turn prevents establishment of beneficial rooted emergent vegetation and SAV, and generally leads to extremely poor DO concentrations in water column. Most aquatic organisms require favorable DO concentrations, and many depend on habitat characteristics provided	Aquatic Plant Management	Completed	2016	N/A	N/A	Within Orange Lake – FWC	N/A	\$108,000	N/A	FWC	\$108,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				by rooted emergent vegetation and SAV to sustain healthy and balanced populations. Project objective is to remove floating vegetation and dense shrub canopies in order to increase area in fringing marsh suitable for establishment of rooted macrophytes, thus improving DO concentrations and connectivity among ecotones from open water to near-shore wetlands of Orange Lake.												
FWC	N/A	OR28	Orange Lake Habitat Enhancement Site Maintenance	Orange Lake – Control excessive plant growth and tussocks at sites where previous habitat enhancement projects have been conducted. Objective is to prevent encroachment of floating marsh/tussocks to maintain predominance of rooted emergent and SAV, thus promoting more favorable DO profile and functional connectivity between limnetic and littoral habitats.	Aquatic Plant Management	Completed	N/A	N/A	N/A	Within Orange Lake – FWC	N/A	\$786,139	N/A	FWC Aquatic Habitat Restoration and Enhancement Subsection Operations Budget	\$786,139	N/A
FWC	N/A	OR29	Orange Lake Woody Shrub Management and Shallow Marsh Reclamation	Orange Lake. Orange Creek Basin Working Group, comprising FWC biologists representing variety of fish and wildlife taxa, has provided recommendations for habitat composition of Orange Lake that are intended to yield suitable conditions for broadest array of fish and wildlife resources. 2013 habitat mapping and GIS analysis indicate that there is deficit of 382 ac	Aquatic Plant Management	Completed	N/A	N/A	N/A	Within Orange Lake – FWC	N/A	\$25,000	N/A	FWC Aquatic Habitat Restoration and Enhancement Subsection Operations Budget	\$25,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				<p>below minimum recommended range for shallow emergent marsh habitat on Orange Lake. Conversely, there is surplus of 1,184 ac of Shrub Swamp, as well as 3,353 ac of floating marsh/tussocks above maximum recommended ranges for lakewide habitat composition. Majority of surplus shrub swamp habitat on Orange Lake coincides with near-shore areas where small woody trees and shrubs (primarily willow and elderberry) have encroached into and displaced shallow emergent marsh communities during periods of severe drought over last 15 yrs. Therefore, reclamation of lost shallow emergent marsh habitat can be achieved by controlling shrub swamp and embedded patches of floating marsh/tussocks from near-shore areas that historically supported herbaceous shallow emergent marsh species. Combination of herbicide and mechanical shredding will be used to manage vegetation at sites identified for habitat conversion. Benefits: Improved DO, improved submersed aquatic habitat diversity, and improved habitat function with regard to connectivity between near-shore wetlands, fringing littoral zone, and open water areas of lake.</p>												

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FWC	N/A	OR30	Orange Creek Basin Littoral Vegetation Mapping	Orange Creek Basin Lakes – Aerial photography and GIS analysis of aquatic vegetation cover in primary basin lakes. FWC collects and analyzes aquatic habitat composition data every 3 yrs to inform management decision-making process. FWC has developed habitat guidelines for management of these resources, and periodic aerial mapping is used to track trends in vegetation cover and assess management needs for optimal fish and wildlife habitat.	Study	Completed	N/A	N/A	N/A	Orange Creek Basin –FWC	N/A	\$75,000	N/A	FWC Aquatic Habitat Restoration and Enhancement Subsection Operations Budget	\$75,000	N/A
FWC	DEP Cooperative Aquatic Plant Management Program	NEW12	Newnans Lake Planting – FY 2006–07	Newnans Lake east shore, south of Windsor ramp. Transplant 20,000 maidencane, 20,000 knotgrass, and 10,000 giant bulrush plants in areas where littoral habitat is sparse. Benefits: Promote establishment of beneficial vegetation in areas where habitat is sparse.	Shoreline Stabilization	Completed	2007	N/A	N/A	Within Newnans Lake – FWC	N/A	\$11,000	N/A	FWC	\$11,000	N/A
FWC	DEP Cooperative Aquatic Plant Management Program	NEW14	Newnans Lake Planting – FY 2007–08	Newnans Lake east shore. Transplant 20,000 maidencane, 30,000 knotgrass, and 20,000 giant bulrush plants in areas where littoral habitat is sparse. Benefits: Promote establishment of beneficial vegetation in areas where habitat is sparse.	Shoreline Stabilization	Completed	2008	N/A	N/A	Within Newnans Lake – FWC	N/A	\$21,000	N/A	FWC	\$21,000	N/A

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FWC	N/A	NEW15	Newnans Lake – Annual Aquatic Plant Maintenance Program	Newnans Lake, Alachua County. Annual maintenance program for control of non-native species hydrilla, water hyacinth, and water lettuce. Plant control is by herbicide application. Benefits: Protects native plant communities and reduces organic muck buildup from growth of exotic species.	Exotic Vegetation Removal	Completed	N/A	N/A	N/A	Within Newnans Lake – FWC	N/A	N/A	\$5,000	FWC/ IPM Cooperative Aquatic Plant Management Program	Not provided	N/A
FWC	N/A	OR11	Orange Lake Mechanical Scraping	Mechanical scraping of muck from selected areas of Orange Lake. Muck disposed of upland or deposited on in-lake island. Benefits: Restore fish spawning substrate.	Muck Removal/ Restoration Dredging	Completed	2002	N/A	N/A	Within Orange Lake – FWC	N/A	\$648,403	N/A	FWC	\$648,403	N/A
FWC	DEP Cooperative Aquatic Plant Management Program	OR13	Orange Lake Tussock Control	Mechanical shredding of tussocks in northern areas of Orange Lake. Mechanically shred acres of tussocks. Benefits: Restore deep marsh habitat.	Aquatic Vegetation Harvesting	Completed	2005	N/A	N/A	Within Orange Lake – FWC	N/A	\$146,057	N/A	FWC	\$146,057	N/A
FWC	Orange Lake Association	OR20	Orange Lake-Essen Run Deep Marsh Restoration	Essen Run/South Orange Lake/ N 29.422437 – W 82.146686. Removal of dense floating vegetation and organic sediment (tussocks) to improve DO and restore deep marsh/ SAV habitat types. Direct removal of nutrients associated with aquatic plants and organic sediment.	Aquatic Vegetation Harvesting	Completed	2016	N/A	N/A	Within Orange Lake – FWC	N/A	\$490,523	N/A	FWC	\$490,523	N/A
FWC	N/A	OR21	Orange Lake-Rookery Island Enhancement	Bird Island, Redbird Island, North Island, Grassy Point. Mechanical shredding of dense floating vegetation and organic sediment (tussocks) from perimeter of colonial wading bird colonies to improve suitability of nesting habitat. Removal of surface matted vegetation	Aquatic Vegetation Harvesting	Completed	2015	N/A	N/A	Within Orange Lake – FWC	N/A	\$205,000	N/A	FWC	\$205,000	N/A

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				facilitates diffusion of atmospheric oxygen into water column and also allows sunlight to penetrate for SAV.												
GRU	SJRWMD	AS03	Main St. WRF Reuse System	Main St. to Depot Ave. within boundaries of City of Gainesville. Design and construction of 4,910-ft, 24-in reclaimed water main from Main St. WRF to Depot Ave. NPDES permit for domestic wastewater discharge Benefits: Wastewater reuse will remove nutrient loading from Alachua Sink.	WWTF Diversion to Reuse	Completed	2002	Not provided	Not provided	Sweetwater Branch Paynes Prairie Alachua Sink Basin – GRU	N/A	\$587,288	N/A	SJRWMD/ GRU Ratepayers	SJRWMD-\$100,000, GRU-\$487,288	N/A
GRU	N/A	AS11	Alachua Sink Intensive Study and Main St. WRF Water Reuse Feasibility	Alachua Sink/Sweetwater Branch. Intensive water quality study to provide better understanding of nutrient loading to Alachua Sink and evaluation of modeling used in TMDL and to determine reuse feasibility. Benefits: Water quality data collected used in TMDL development.	Monitoring/ Data Collection	Completed	2008	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – GRU	N/A	\$565,519	N/A	GRU Ratepayers	\$565,519	N/A
GRU	City of Gainesville/ Alachua County/ FDOT	AS18	Paynes Prairie Sheetflow Restoration Project	Paynes Prairie. Paynes Prairie Sheetflow Restoration. Project is a 125-ac offline wetland that reduces excess nutrients from Sweetwater Branch and achieves TMDL reduction required for city's wastewater and stormwater utilities for Alachua Sink. Benefits: Meet TMDL requirements, rehydrates 1,300 ac of prairie, captures sediments and trash currently flowing to prairie.	Hydrologic Restoration	Completed	2014	125,106	3,359	Sweetwater Branch Paynes Prairie Alachua Sink Basin – GRU	2,130.0	\$23,300,000	\$3,183,286 FY 2015, \$95,785 FY 2016	Stormwater Utility and Wastewater Fees/ Florida Legislature/ SJRWMD/ FDOT/ 319 and TMDL/ FWC/ Recreational Trails	Stormwater Utility and Wastewater Fees – \$16,357,745 Florida Legislature – \$500,000 SJRWMD – \$1,355,869 FDOT – \$666,000 319 and TMDL – \$2,506,270 FWC – \$500,000 Recreational Trails – \$200,001	N/A

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GRU	SJRWMD/ Homeowners	HOG32	Hogtown Creek Improvements	Abandon 2 creekside OSTDS (4029 and 4039 Northwest 8th Ave.) and connect to GRUs sanitary sewer system and reduce fecal coliform and nutrient loading.	Septic Tank Phase Out	Underway	2017	84	37	Hogtown Creek Basin – GRU	N/A	\$32,000	N/A	GRU Connect Free Program/ SJRWMD Cost-Share Program/ Homeowner Contribution	Not provided	N/A
GRU	N/A	NUTRIENT02	Main St. WRF Annual Operation and Maintenance	City of Gainesville. Alachua County. Maintenance to keep both water reclamation facilities in compliance with existing NPDES permit requirements. NPDES permit for domestic wastewater discharge. Maintain compliance with NPDES permit.	Sanitary Sewer and WWTF Maintenance	Completed	N/A	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – GRU	N/A	\$75,045,594	N/A	GRU Ratepayers	\$75,045,594	N/A
GRU	N/A	NUTRIENT09	Main St. WRF Phosphorus Removal Chemical Feed System	City of Gainesville. Alachua County. Maintenance to keep both WRFs in compliance with existing NPDES permit requirements. NPDES permit for domestic wastewater discharge. Maintain compliance with NPDES permit.	WWTF Upgrade	Completed	N/A	N/A	Not provided	Sweetwater Branch Paynes Prairie Alachua Sink Basin – GRU	N/A	\$1,552,879	N/A	GRU Ratepayers	\$1,552,879	N/A
GRU	N/A	AS10	Main St. WRF Future Water Reuse	City of Gainesville. Design, permitting, and construction of upgrades for delivering public access to reclaimed water from Main St. WRF. Includes installation of new reclaimed water pump and high-level disinfection system. Benefits: Wastewater reuse will remove nutrient loading from Alachua Sink.	WWTF Diversion to Reuse	Completed	2007	Not provided	Not provided	Sweetwater Branch Paynes Prairie Alachua Sink Basin – GRU	N/A	\$1,548,000	N/A	GRU Ratepayers	\$1,548,000	N/A
GRU	N/A	AS13	GRU Reclaimed Water Master Plan	City of Gainesville and Alachua County. Strategic planning effort to evaluate future reclaimed water alternatives that will impact options for	Study	Completed	2007	N/A	N/A	Sweetwater Branch Paynes Prairie Alachua Sink Basin – GRU	N/A	\$130,106	N/A	GRU Ratepayers	\$130,106	N/A

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				meeting TMDL. Benefits: Expanded reuse will reduce nutrient loading to Alachua Sink.												
GRU	N/A	AS16	Paynes Prairie Sheetflow Restoration Evaluation of Main St. WRF Upgrades	Paynes Prairie. Evaluate Main St. WRF treatment options and offline wetland performance and sizing in conjunction with proposed Paynes Prairie Sheetflow Restoration Project. Develop preliminary wetland sizing and estimate finished water quality from enhanced offline wetland in conjunction with various Main St. WRF upgrade alternatives. Benefits: Provide plan to meet TMDL through cooperative treatment alternatives.	WWTF Upgrade	Completed	2007	Not provided	64,000	Sweetwater Branch Paynes Prairie Alachua Sink Basin – GRU	N/A	\$2,002,632	N/A	GRU Ratepayers	\$2,002,632	N/A
GRU	N/A	BACTERIA05	Microbial Source Tracking (MST) Study	Gainesville urban creeks in GRU wastewater collection system service area (115 square mi). MST study to better understand the relative contributions of various sources of fecal pollution in creeks. Study applies advanced scientific methods to determine relative contribution of each potential source and identifies locations where human fecal pollution is present or absent. Benefits: Better identification of bacterial contamination sources.	Monitoring/ Data Collection	Completed	2007	N/A	N/A	Tumblin Creek Sweetwater Branch Hogtown Creek Basins – GRU	N/A	\$419,000	N/A	GRU Ratepayers	\$419,000	N/A
GRU	N/A	BACTERIA07	I&I Project – Phases I, II and III/ Ongoing Work	GRU wastewater collection system service area (115 square mi) including urban creek watersheds. I&I Project –	Sanitary Sewer and WWTF Maintenance	Completed	N/A	Not provided	Not provided	Orange Creek Basin – GRU service area	N/A	\$4,674,464	Not provided	GRU Ratepayers	\$4,674,464	N/A

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				<p>Phase I, II, and III comprises intensive wastewater collection system integrity testing that uses smoke testing, dye testing, closed-circuit television (CCTV) camera, and visual inspection to identify pipes with I&I problems. Inspection followed by remedial repair of system defects. Phase III concentrated on covering all GRU wastewater service area in Hogtown Creek, Tumblin Creek, and Sweetwater Branch Watersheds. Minimizes possibility of wastewater releases. Benefits: Though no association between background fecal coliform levels and GRU wastewater collection system has been established, decreased probability of any contribution to fecal background levels.</p> <p>***Separation of project areas and benefits not feasible because of complexity and extent of GRU wastewater collection system service area projects.</p>													
GRU	N/A	BACTERIA08	Slip Lining Projects	<p>GRU wastewater collection system service area (115 square mi) including urban creek watersheds. Trenchless restoration of City of Gainesville wastewater collection system through slip lining. Though slip lining has been performed all over Gainesville wastewater service area, major part</p>	Sanitary Sewer and WWTF Maintenance	Completed	N/A	Not provided	Not provided	Orange Creek Basin – GRU service area	N/A	\$10,584,678	Not provided	GRU Ratepayers	\$10,584,678	N/A	

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				<p>of work was performed in Tumblin Creek, Sweetwater Branch, and Hogtown Creek Watersheds (>\$1 million). Slip lining minimizes possibility of wastewater releases to creek. Benefits: Though no association between background fecal coliform levels and GRU Wastewater Collection System has been established, decreased probability of any contribution to fecal background levels.</p> <p>***Separation of project areas and benefits not feasible because of complexity and extent of GRU wastewater collection system service area projects.</p>												
GRU	N/A	BACTERIA09	GRU Lift Station Annual Operation and Maintenance	<p>GRU wastewater collection system service area (115 square mi) including urban creek watersheds. Maintenance of City of Gainesville wastewater collection system to maintain system integrity of lift stations. Includes control cabinet replacements, wet well coating, pump replacements, generators, odor control, soft start replacements, and overall lift station upgrades. Benefits: Though no association between background fecal coliform levels and GRU's Wastewater Collection System has been established, decreased probability of</p>	Sanitary Sewer and WWTF Maintenance	Completed	N/A	Not provided	Not provided	Orange Creek Basin – GRU service area	N/A	Not provided	Not provided	GRU Ratepayers	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				any contribution to fecal background levels. ***Separation of project areas and benefits not feasible because of complexity and extent of GRU wastewater collection system service area projects.												
GRU	N/A	BACTERIA10	GRU Wastewater System Capital Projects	GRU wastewater collection system service area (115 square mi) including urban creek watersheds. Capital improvements to City of Gainesville wastewater treatment and collection system. Includes all capital projects. Projects may include upgrades to force mains and gravity mains with rehabilitation and restoration force main rerouting, collection system integrity testing, ARV replacement, sliplining, lift station abandonment, manhole replacement, service lateral clean out, and miscellaneous repair, WWTF upgrades and expansion. Benefits: Though no association between background fecal coliform levels and GRU's Wastewater Collection System has been established, decreased probability of any contribution to fecal background levels. ***Separation of project areas and benefits not feasible because of complexity and extent of GRU wastewater collection system service area projects.	WWTF Upgrade	Completed	N/A	Not provided	Not provided	Orange Creek Basin – GRU service area	N/A	\$175,634,681	Not provided	GRU Ratepayers	\$175,634,681	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
GRU	N/A	BACTERIA11	GRU Wastewater Collection System Annual Rehabilitation and Replacement	<p>GRU wastewater collection system service area (115 square mil including urban creek watersheds. Rehabilitation and replacement of City of Gainesville's wastewater collection system to maintain system integrity. Minimizes possibility of wastewater release. Includes rehabilitation and upgrade of existing force mains and gravity mains. Benefits: Though no association between background fecal coliform levels and GRU Wastewater Collection System has been established, a decreased probability of any contribution to fecal background levels.</p> <p>***Separation of project areas and benefits not feasible because of complexity and extent of GRU wastewater collection system service area projects.</p>	Sanitary Sewer and WWTF Maintenance	Completed	N/A	Not provided	Not provided	Orange Creek Basin – GRU service area	N/A	\$27,950,162	Not provided	GRU Ratepayers	\$27,950,162	N/A
GRU	N/A	BACTERIA12	GRU Lift Station Rehabilitation and Replacement	<p>GRU wastewater collection system service area (115 square mi) including urban creek watersheds. Rehabilitation and replacement of City of Gainesville wastewater collection system to maintain system integrity. Helps minimize possibility of wastewater release. Includes GRU Lift Station Rehabilitation and Replacement; Upgrades; Abandonment plus extension. Benefits:</p>	Sanitary Sewer and WWTF Maintenance	Completed	N/A	Not provided	Not provided	Orange Creek Basin – GRU service area	N/A	\$12,519,563	Not provided	GRU Ratepayers	\$12,519,563	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				<p>Though no association between background fecal coliform levels and GRU Wastewater Collection System has been established, decreased probability of any contribution to fecal background levels.</p> <p>***Separation of project areas and benefits not feasible because of complexity and extent of GRU wastewater collection system service area projects.</p>												
GRU	N/A	BACTERIA13	GRU Wastewater Collection System Annual Operation and Maintenance	<p>GRU wastewater collection system service area (115 square mi) including urban creek watersheds. GRU Wastewater Collection System Annual Operation and Maintenance to maintain system integrity. Minimizes possibility of wastewater release. Includes rehabilitation and upgrade of existing force mains and gravity mains. Benefits: Though no association between background fecal coliform levels and GRU Wastewater Collection System has been established, decreased probability of any contribution to fecal background levels.</p> <p>***Separation of project areas and benefits not feasible because of complexity and extent of GRU W wastewater W collection system service area projects.</p>	Sanitary Sewer and WWTF Maintenance	Completed	N/A	Not provided	Not provided	Orange Creek Basin – GRU service area	N/A	\$28,389,156	Not provided	GRU Ratepayers	\$28,389,156	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
GRU	N/A	BACTERIA14	Water/Wastewater Engineering Dept. Annual O&M Services	GRU wastewater collection system service area (115 square mi) including urban creek watersheds. Water/wastewater Engineering Dept. executes 5-yr scheduling system for initiating and administrating wastewater capital projects. Projects are timed and prioritized to ensure that facilities are available in timely manner to meet demands as needed to correct existing flow deficiencies, meet existing and future demands, maintain or improve system reliability and maintainability, minimize contamination potential, and comply with Florida Statutes, including concurrence requirements. Benefits: Though no association between background fecal coliform levels and GRU wastewater collection system has been established, decreased probability of any contribution to fecal background levels.	Sanitary Sewer and WWTF Maintenance	Completed	N/A	Not provided	Not provided	Orange Creek Basin – GRU service area	N/A	\$8,205,591	Not provided	GRU Ratepayers	\$8,205,591	N/A
GRU	N/A	BACTERIA15	GRU Wastewater Collection System Annual Service Lateral Rehabilitation and Replacement	GRU wastewater collection system service area (115 square mil) including urban creek watersheds. Rehabilitation and replacement of City of Gainesville's wastewater collection system to maintain system integrity, specifically service laterals and clean outs. Benefits: Though no	Sanitary Sewer and WWTF Maintenance	Completed	N/A	Not provided	Not provided	Orange Creek Basin – GRU service area	N/A	\$6,023,926	Not provided	GRU Ratepayers	\$6,023,926	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				<p>association between background fecal coliform levels and GRU's Wastewater Collection System has been established, decreased probability of any contribution to fecal background levels.</p> <p>***Separation of project areas and benefits not feasible because of complexity and extent of GRU wastewater collection system service area projects.</p>												
GRU	N/A	TUM22	Tumblin Creek Pedestal Removal	<p>Tumblin Creek. Removal of abandoned wastewater collection pipe pedestal in Tumblin Creek to reduce bank and bed scour. Benefits: Removal of structure helps to control scouring of bank and bed. Reduces suspended solids in water column.</p>	Sanitary Sewer and WWTF Maintenance	Completed	2005	Not provided	Not provided	Tumblin Creek Basin – GRU	N/A	\$80,000	N/A	GRU Ratepayers	\$80,000	N/A
GRU	N/A	URBAN12	Sanitary Sewer System Geodatabase	<p>Gainesville and environs (GRU service area). Maintain comprehensive geodatabase for all GRU sanitary sewer system data. This includes any geodata acquired from studies related to water quality such as septic tank studies and I&I data.</p>	Study	Completed	Not provided	N/A	N/A	Orange Creek Basin – GRU service area	N/A	Not provided	N/A	GRU Water/Wastewater Engineering O&M Budget	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Marion County	Marion County Planning Dept./ Marion County Extension Service/ Marion County SWCD/ SWFWMD	MARION01	Clean Farms Initiative	Marion County portion of Orange Creek Basin. Clean Farms Initiative was designed to assist Marion County farm owners and managers with implementation of BMPs for animal waste and nutrient management and to recognize them for their cooperative efforts. Initiative was begun by passage of Resolution 04-R-384, by Marion County BOCC. It recognizes importance of agriculture to county's history and economy, while also recognizing need to protect water resources. As part of Initiative, Farm Outreach Coordinator position was created that educates farm owners/mangers on water quality, targeting practices such as manure management and fertilization. Number of farm visits tracked yearly.	Agricultural BMPs	Completed	N/A	N/A	N/A	Orange Lake Basin – Marion County	N/A	\$55,000	N/A	County Clean Water Assessment/ General Revenue/ SWFWMD Grant	Not provided	N/A
Marion County	N/A	MARION02	Marion County Aquifer Vulnerability Assessment (MCAVA)	Marion County Orange Creek Basin. Identification of vulnerable areas of aquifer. Project provides scientifically defensible water resource management and protection tool that will facilitate planning of human activities to help in minimizing adverse impacts on groundwater quality. Aquifer vulnerability maps are displayed in classes of relative vulnerability (one area is more vulnerable than another). Maps benefit local government,	Study	Completed	2007	N/A	N/A	Orange Lake Basin – Marion County	N/A	\$82,850	N/A	County Clean Water Assessment	\$82,850	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				planners and developers in guiding growth into more appropriate areas (e.g., groundwater recharge areas) and improve site selection for expanding existing or establishing new well fields. Benefits: Identifies areas where aquifer is vulnerable to pollution. Potential for future management of activities in those areas to reduce groundwater pollution.												
Marion County	N/A	MARION03	Street Sweeping of Marion County Roads	Marion County portion of basin. Sweeping of Marion County-maintained roads in Orange Creek Basin. Sweeping of roads with curb and gutter is completed 9 times/yr. Remove debris, sediment, and potential pollutants from streets. Prevent entry into storm sewer system. County currently sweeps 1.7 mi of curb and gutter roads 9 times/yr. Based on average load yield, this is roughly 8.4 cubic yds/yr.	Street Sweeping	Completed	N/A	Not provided	Not provided	Orange Lake Basin – Marion County	N/A	N/A	\$574	County Clean Water Program	Not provided	N/A
Marion County	N/A	MARION04	Orange Creek WMP	Marion County portion of Orange Creek Basin (Orange Lake). WMPs will be completed countywide and are used to identify and address Marion County water quality issues. WMPs include creation and maintenance of comprehensive geodatabase for Marion County storm sewer system data, watershed boundaries, and hydrologic features countywide. WMP for Orange Creek has been	Study	Planned	2021	N/A	N/A	Orange Lake Basin – Marion County	N/A	TBD	N/A	County Clean Water Assessment	TBD	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				initiated. Digital elevation model, watershed evaluation, modeling parameterization, model development and verification, and floodplain analysis and delineation have been completed. Remaining work, Floodplain Level of Service, Surface Water Resource Assessment Report and Capital Projects Report, is scheduled for FY 2018–19, 2019–20, and 2020–21, respectively.												
Marion County	N/A	MARION05	Education Outreach	Orange Lake Basin. Education outreach activities in Marion County portion of Orange Lake Basin.	Education Efforts	Completed	N/A	N/A	31	Orange Lake Basin – Marion County	N/A	N/A	Not provided	Marion County	Not provided	N/A
Orange Creek Basin Partnership	SJRWMD/ Alachua County/ GRU/ City of Gainesville Public Works/ Paynes Prairie Preserve State Park	AS12	Paynes Prairie Vegetative Study	Paynes Prairie. Study determined if nutrients from Sweetwater Branch were correlated with herbaceous vegetation growth in Paynes Prairie. Benefits: Study documents influence of urban surface water on natural systems.	Study	Completed	2002	N/A	N/A	Paynes Prairie Basin	N/A	\$51,479	N/A	Not provided	Not provided	N/A
SJRWMD	N/A	NEW02	Newnans Lake Conservation Area	Alachua County; land around north and east side of Newnans Lake. Purchase of lands near and around lake for conservation and public use. No increase in surface runoff of pollutants because of land use change. Completed 4,651 ac; 1,500 ac planned.	Land Acquisition	Completed	2001	N/A	N/A	Newnans Lake Basin – SJRWMD	N/A	\$5,727,400	N/A	Preservation 2000	\$5,727,400	N/A
SJRWMD	N/A	NEW31	Harvest of Rough Fish (Gizzard Shad)	Newnans Lake. Harvest of rough fish, largely gizzard shad. Removal of fish helps to export TP load from lake. One yr of 3-yr project completed;	Fish Harvesting	Completed	2010	N/A	N/A	Within Newnans Lake – SJRWMD	N/A	Not provided	N/A	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				205,188 lbs of fish removed.												
SJRWMD	N/A	OR01	Development of PLRGs for Orange Lake	Orange Lake Watershed. Development of science-based estimates of nutrient external load reductions needed to restore lakes to state water quality standards. Diagnostic studies, water quality data, and hydrologic models used to estimate target nutrient concentrations to meet water quality standards and nutrient load reductions needed to meet targets and restore water quality. Assist DEP in refining TMDL for Orange Lake.	Study	Planned	TBD	N/A	N/A	Orange Lake Basin – SJRWMD	N/A	\$1,000,000	N/A	SJRWMD Ad Valorem/ Water Management Lands Trust Fund/ Legislative Appropriations/ Ecosystems Management Trust Fund/ SWIM Fund	Not provided	N/A
SJRWMD	N/A	OR31	Prairie Creek Diversion Structure Replacement	Current WCS at Camps Canal regulates flow from Prairie Creek to Paynes Prairie and Orange Lake. It is currently in very poor condition and needs replacement. It is typically left open, but infrequently closed at FDOT's request when US 441 is threatened with flooding. Replacement of structure will allow for opening and closing as needed.	Control Structure	Planned	2019	Not provided	Not provided	Orange Lake Basin – SJRWMD	N/A	\$700,000	Not provided	SJRWMD Ad Valorem/ Amendment 1 Funding	Not provided	N/A
SJRWMD	N/A	LOCH01	Development of PLRGs for Lochloosa Lake	Lochloosa Lake Watershed. Development of science-based estimates of nutrient external load reductions needed to restore lakes to state water quality standards. Diagnostic studies, water quality data, and hydrologic models used to estimate target nutrient concentrations to meet water quality standards	Study	Planned	TBD	N/A	N/A	Lochloosa Lake Basin – SJRWMD	N/A	\$1,000,000	N/A	SJRWMD Ad Valorem/ Water Management Lands Trust Fund/ Legislative Appropriations/ Ecosystems Management Trust Fund/ SWIM Fund	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				and nutrient load reductions needed to meet targets and restore water quality. Assist DEP in developing TMDL.												
SJRWMD	N/A	NEW01	Development of Pollutant Load Reduction Goals (PLRGs) for Newnans Lake	Newnans Lake Watershed. Development of science-based estimates of nutrient (nitrogen and/or phosphorus) external load reductions needed to restore lakes to state water quality standards. Diagnostic studies, water quality data, and hydrologic models used to estimate target nutrient concentrations to meet water quality standards and nutrient load reductions needed to meet targets and restore water quality. Benefits: Assist DEP in refining TMDL for Newnans Lake.	Study	Completed	2009	N/A	N/A	Newnans Lake Basin – SJRWMD	N/A	\$1,000,000	N/A	SJRWMD Ad Valorem/ Water Management Lands Trust Fund/ Legislative Appropriations/ Ecosystems Management Trust Fund/ SWIM Fund	Not provided	N/A
SJRWMD	N/A	NEW10	Spatial Nutrient Loading Dynamics in the Newnans Lake Watershed	Newnans Lake Watershed. Determine external sources of nutrient contributing to Newnans Lake. Data are collected representing spatial and temporal dynamics of nutrient pollutant loads in surface water and groundwater in watershed. Dr. Matt Cohen from UF is in 4th yr of this 4-yr research project. Data provided by study allowed WMD to refine HSPF hydrologic model, and to approach and begin working cooperatively with Gainesville Regional Airport, whose property contributes 7 % of overall TP load to Newnans Lake via Little Hatchett Creek.	Study	Completed	2010	N/A	N/A	Newnans Lake Basin - SJRWMD	N/A	\$219,000	N/A	Legislative Appropriations/ Water Management Lands Trust Fund	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Benefits: Data will be used to refine hydrologic models of nutrient loading to lakes, critical to PLRG development.												
SJRWMD	Alachua County	OR03	Lochloosa Wildlife Conservation Area	Alachua County; land around Lochloosa Lake and around north side of Orange Lake. Land acquisition for Lochloosa Wildlife Conservation Area. Benefits: No increase in surface runoff of pollutants because of land use change. Completed 28,337 ac; no more planned.	Land Acquisition	Completed	2003	N/A	N/A	Orange Lake Basin – SJRWMD	N/A	\$16,058,211	N/A	SJRWMD Ad Valorem/ Preservation 2000/ Alachua County Cost-Share	Not provided	N/A
SJRWMD	N/A	NEW09	Nutrient Loading Estimation during Storm Event	Newnans Lake and Lochloosa Lake Watersheds. Study measured nutrient loading into Newnans and Lochloosa Lakes via 5 tributaries during storms. Stormwater quality and discharge data were collected from 5 tributaries in both watersheds. Storm loading data provided by study allowed WMD to revise Hydrological Simulation Program – Fortran (HSPF) model, and to approach and begin to work cooperatively with blueberry grower on Newnans Lake whose farm contributes 6 % of overall TP load to Newnans Lake. Benefits: Data will be used to refine hydrologic models of nutrient loading to lakes; critical to PLRG development.	Study	Completed	2008	N/A	N/A	Newnans Lake Basin – SJRWMD	N/A	\$198,100	N/A	Florida Legislature	\$198,100	N/A
Sustainable Alachua County/ DEP/ City of	N/A	OCB01	Community Based Social Marketing Workshop	Orange Creek Basin. 3-day workshop composed of 1-day Introductory Workshop	Education Efforts	Completed	2007	N/A	N/A	Orange Creek Basin	N/A	\$25,000	N/A	EPA Section 319 Federal Funds/ Local Support	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Gainesville/ Alachua County/ GRU				and 2-day Advanced Workshop to teach principles of social marketing and how to foster sustainable behavior. Benefits: Enhance public education and outreach efforts. Also promote organizational structures compatible with sustainability.												

Upper Ocklawaha BMAP

Background

The Upper Ocklawaha River Basin covers 878 square miles and includes the watersheds for Lake Apopka, the Palatlakaha River (Clermont Chain of Lakes), the Harris Chain of Lakes, and Lake Griffin, as well as stream segments that connect the lakes (**Figure C-9**). The basin is located largely in Lake County.

DEP identified the Palatlakaha River (north of SR 50), Lake Apopka, Lake Carlton, Lake Beauclair, Lake Dora, Lake Eustis, Trout Lake, Lake Harris/Little Lake Harris, and Lake Griffin as impaired for TP and adopted TP TMDLs in 2003 for all but Trout Lake which was adopted in 2006. DEP identified Lake Denham, Marshall Lake, Lake Roberts, and Lake Yale as impaired for TP and adopted TP TMDLs in 2017. The focus of restoration efforts in the basin is the reduction and management of TP loading. In Trout Lake, Lake Denham, Marshall Lake, Lake Roberts, and the Palatlakaha River, TN contributes to the problem, and BOD is also identified as a pollutant contributing to the impairment in the Palatlakaha River. The first phase of the Upper Ocklawaha BMAP was adopted in 2007, a second phase that identified priority waterbodies was adopted in July 2014, and a Supplemental Upper Ocklawaha Report that includes allocations for priority waterbodies is proposed for adoption in 2018 to continue the implementation of the TP TMDLs.

Status of Projects

Through December 31, 2017, 316 projects were completed. An additional 15 projects that are underway or planned were added to the BMAP . Allocations are currently being developed for the Upper Ocklawaha BMAP, and nutrient reductions associated with projects will be calculated to align with the allocation methodology. Once this is complete, future reports will contain information about TN and TP reductions in the Upper Ocklawaha BMAP for each impaired waterbody.

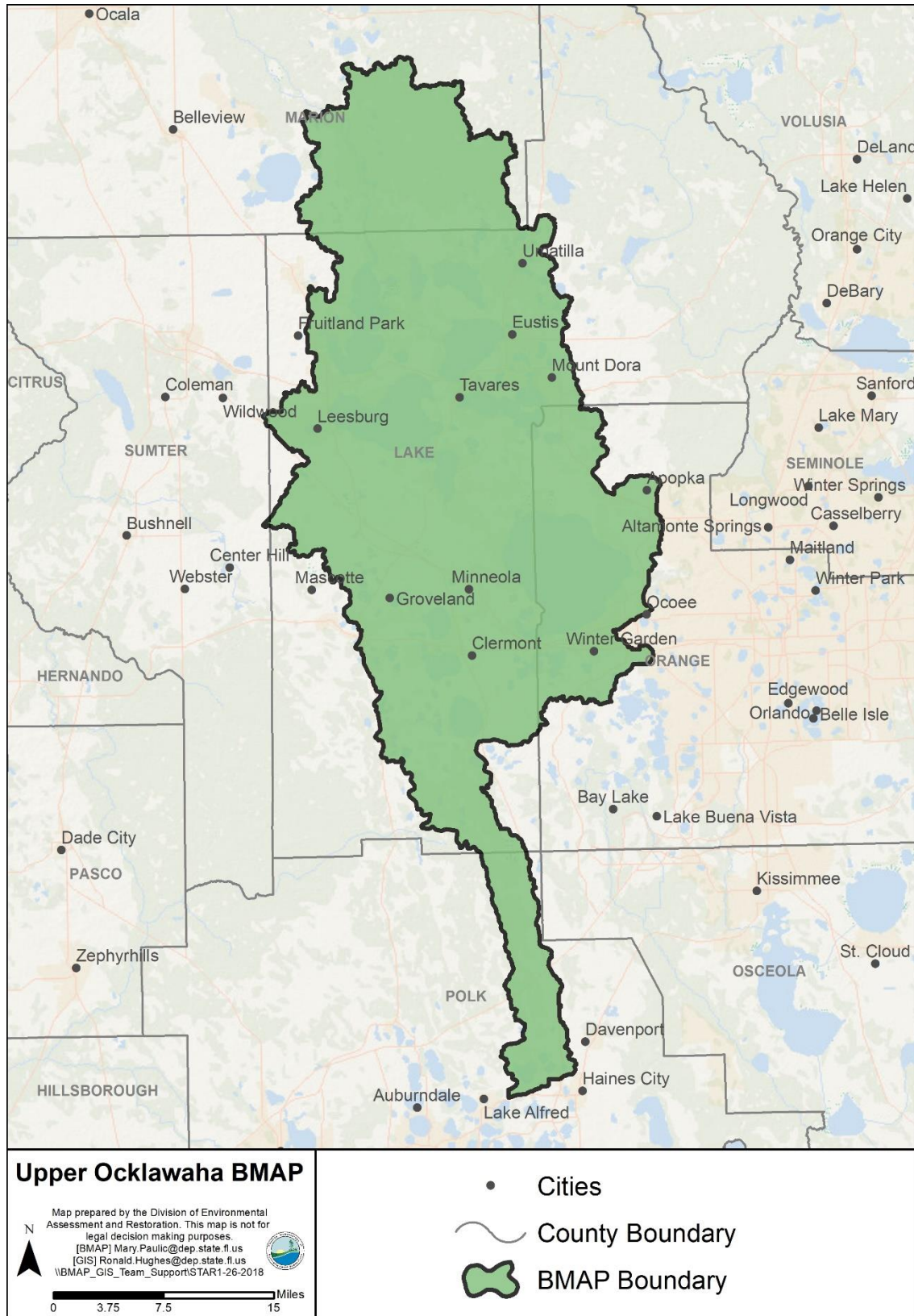


Figure C-19. Upper Ocklawaha BMAP area

Table C-9. Upper Ocklawaha BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Apopka	Not provided	LAP29	Lake Fuller Retention Pond	Runoff from southern Apopka was redirected to 10-ac wet detention pond. Stormwater discharge removed from Lake Fuller. Lake is in Lake Apopka Watershed and indirectly benefits Lake Apopka through reduction of stormwater runoff and loading from watershed.	Wet Detention Pond	Completed	Prior to 2007	N/A	Not provided	Lake Apopka Basin – City of Apopka	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	APOPKA01	Street Sweeping	Street sweeping to reduce debris and sediment entering Lake Apopka. Street sweeping occurs monthly. Removes sediment and debris from streets that would otherwise contribute potential nutrient loadings to Lake Apopka.	Street Sweeping	Completed	N/A	476	557	Lake Apopka Basin – City of Apopka citywide	N/A	N/A	Not provided	Not provided	Not provided	N/A
City of Apopka	Not provided	APOPKA02	Educational Outreach	Various educational activities that inform and give guidance to citizens on importance of water as resource. Activities included presentations, newspaper articles, handouts, mail outs on topic of water conservation and stormwater runoff. Storm drain stenciling program that engages local volunteers. Informs residents of discharges into surface waters. Indirect benefit to Lake Apopka by reducing pollutant sources and runoff in watershed. Total credit for educational activities is 5.5 %.	Education Efforts	Completed	N/A	N/A	TBD	Lake Apopka Basin – City of Apopka citywide	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Apopka	Not provided	APOPKA03	Stormwater Collection System Maintenance	Maintenance and cleaning of stormwater inlets, ditches, swales, and ponds. Benchmark	BMP Clean Out	Completed	N/A	N/A	Not provided	Lake Apopka Basin – City of Apopka citywide	N/A	N/A	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				frequency for this routine maintenance is quarterly or as needed. Indirect benefit to Lake Apopka by reducing pollutant sources and runoff in watershed.												
City of Apopka	N/A	LAP48	Harry St. Project	Drainage easement located off Harry St. in Apopka has become dumping ground. City is removing all garbage, debris, and litter; installing new fence to protect retention area; and sodding hill slope to prevent erosion.	BMP Clean Out	Underway	2018	N/A	N/A	Lake Apopka – City of Apopka	N/A	\$22,000	N/A	City Stormwater Service Fees	\$22,000	N/A
City of Apopka	N/A	APOPKA02-MARSHAL	Educational Outreach	Various educational activities that inform and give guidance to citizens on importance of water as resource. Activities included presentations, newspaper articles, handouts, mail outs on topics of water conservation and stormwater runoff. Storm drain stenciling program that engages local volunteers. Informs residents of discharges into surface waters. Indirect benefit to Lake Apopka by reducing pollutant sources and runoff in watershed. Total credit for educational activities is 5.5 %.	Education Efforts	Completed	N/A	N/A	14	Lake Marshall Basin – City of Apopka	N/A	Not provided	Not provided	City	Not provided	N/A
City of Apopka	N/A	TBD	Street Sweeping	1,700 mi in basin to be swept in 2018.	Street Sweeping	Planned	2018	TBD	TBD	Marshall Lake – City of Apopka	N/A	N/A	Not provided	City Stormwater Service Fees	Not provided	N/A
City of Apopka	N/A	TBD	Fertilizer Reduction	City has adopted Orange County Fertilizer Ordinance. Grounds Dept. only fertilizes twice annually instead of quarterly on all city-owned and maintained	Fertilizer Reduction	Underway	N/A	N/A	Not provided	Marshall Lake – City of Apopka	8.0	N/A	N/A	City General Fund	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				(not recreational or sports arena) landscapes.												
City of Apopka	N/A	TBD	MS4 Lake Sampling	6 lakes connected to major outfalls are being sampled monthly. 3 lakes are in Upper Ocklawaha River Basin. This monthly sampling will set baseline of yearly fluctuations in nutrients and parameters. Marshall Lake, monitored under TMDL Program, is sampled quarterly to monitor nutrient loading and parameters.	Monitoring/ Data Collection	Underway	2018	N/A	N/A	Marshall Lake – City of Apopka	N/A	N/A	\$5,000	City Stormwater Service Fees	Not provided	N/A
City of Clermont	LCWA	PAL08	Lake Minnehaha Study and Stormwater Improvements	Lake Minnehaha study and stormwater improvements. Project will involve study followed by design of recommended improvements. Goal is to collect and treat stormwater before it enters lake. Began study June 2004. Disston Ave. infiltration project initiated as result. Lake Minnehaha Drainage Basin: 406.8 ac of land (within city limits).	Study	Completed	Not provided	N/A	N/A	Palatlakaha River Basin – City of Clermont	N/A	\$64,000	N/A	LCWA/ City Stormwater Utility Fees	LCWA Grant – 75% City Stormwater Fees – 25%	N/A
City of Clermont	LCWA	PAL09	Lake Winona Study and Stormwater Improvement	Lake Winona study and stormwater improvements. Project will involve study followed by design of recommended improvements. Goal is to collect and treat stormwater before it enters lake. Began study June 2004. Pond inlet and control structure improvements to provide some nutrient reduction. Lake Winona Drainage Basin: 158.3 ac of land and 89.8 ac of open water and wetlands (within city limits).	Study	Completed	Not provided	N/A	N/A	Palatlakaha River Basin – City of Clermont	N/A	\$40,000	N/A	LCWA/ City Stormwater Utility Fees	LCWA Grant – 75 % City Stormwater Fees – 25 %	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Clermont	LCWA	PAL25	12th St. and Lakeshore Dr. Stormwater Improvements	Project includes removing 3,500 square ft of impervious area subject to vehicular traffic and constructing dry retention pond to treat stormwater discharges from 8.72-ac contributing basin.	Retention BMP	Completed	2014	46	7	Palatlakaha River Basin – City of Clermont	8.7	\$227,000	Not provided	City Stormwater Utility Fees/ LCWA	Not provided	N/A
City of Clermont	LCWA	PAL26	Lake Winona Stormwater Improvements	Proposed project will provide treatment of runoff from 2 subbasins, prior to discharge to Lake Winona using treatment train. Proposed treatment train includes source control (street sweeping), NSBB followed by retention (underground storm chambers at 1 outfall, and dry retention pond at second outfall).	BMP Treatment Train	Completed	2016	11	2	Palatlakaha River Basin – City of Clermont	25.6	\$512,357	Not provided	LCWA/ City Stormwater Utility Fees	Not provided	N/A
City of Clermont	LCWA	PAL27	Disston Ave. Stormwater Improvements	Lake Minnehaha, Disston Ave. south of Minnehaha Ave., Clermont. Project consists of 50 underground concrete chambers that hold stormwater, allowing it to percolate through sand, thus entering lake laterally. Sand serves as filter to remove unwanted nutrients. Underground chambers are preceded by baffle boxes that remove floatables, such as trash, leaves and grass, and sand. Combination of types of underground structures sufficiently cleans stormwater before it enters lake. Types of pollutant loadings targeting existing stormwater discharge on Lake Minnehaha include TP and total suspended solids (TSS). TSS is 1,991 lbs/yr. Project site allows for	BMP Treatment Train	Completed	2011	N/A	8	Palatlakaha River Basin – City of Clermont	11.6	\$442,550	Not provided	LCWA/ City Stormwater Utility Fees	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				implementation of specific BMPs that will provide nutrient uptake and suspended solids settling. Infiltration systems are expected to reduce predicted loadings by 80 %.												
City of Clermont	LCWA/ DEP	PAL29	Victory Pointe	Online wet detention pond.	Wet Detention Pond	Underway	2017	N/A	Not provided	Palatklakaha River Basin – City of Clermont	50.0	\$8,000,000	\$5,000	City/ DEP/ LCWA	Not provided	Not provided
City of Clermont	Not provided	PAL30	Drew Ave. and East Ave.	Proposed Drew Ave. and East Ave. project site is located on east shore of Lake Minnehaha in City of Clermont. Lake Minnehaha receives direct, untreated stormwater discharge from 8.77-ac basin. Project will treat runoff from basin using treatment train. Proposed treatment train includes source control (street sweeping), followed by NSBB, followed by retention. Proposed retention is underground. Treats stormwater before it enters Lake Minnehaha, which discharges to Lake Minneola and downstream Palatklakaha River. Removes 1,116 lbs/yr of TSS. Hydrocarbons absorbed by storm boom.	BMP Treatment Train	Completed	2017	62	8	Palatklakaha River Basin – City of Clermont	8.8	Not provided	Not provided	Not provided	Not provided	Not provided
City of Clermont	N/A	PAL07	Storm Drain Marking	Storm Drain Marking: Signs were placed on all 350 inlets in city with direct discharge to any lake. Discourages dumping of chemicals or other harmful substances in stormwater inlets.	Education Efforts	Completed	2005	N/A	N/A	Palatklakaha River Basin – City of Clermont Citywide	N/A	\$720	N/A	City Stormwater Utility Fees	\$720	N/A
City of Clermont	LCWA	PAL28	12th St. Stormwater Improvements	Removal of pavement and construction of dry retention pond to treat	Retention BMP	Canceled	2015	N/A	N/A	Palatklakaha River Basin -	N/A	\$250,000	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				stormwater discharges to Lake Minnehaha.						City of Clermont						
City of Eustis	LCWA/ Lake County	EUSTIS02-DORA	Support of WAV Program	Eustis is partner and financial supporter of WAV Program, which assists city with implementation of educational programs and water quality monitoring to support Eustis's MS4 permit.	Education Efforts	Completed	N/A	N/A	4	Lake Dora Basin – City of Eustis	N/A	Not provided	\$1,250	City Stormwater Utility Fee/ Lake County/ LCWA	Not provided	N/A
City of Eustis	N/A	EUS35	Lakeview Ave. Sewer Line Replacement	Project will replace all damaged sewer lines, removing TN seepage upstream from Lake Eustis.	Sanitary Sewer and WWTF Maintenance	Underway	2016	N/A	N/A	Lake Eustis Basin – City of Eustis	N/A	\$2,800,000	N/A	City	\$2,800,000	N/A
City of Eustis	N/A	EUS36	Woodward Ave.	Project will replace all damaged manhole and sewer lines along street, removing TN seepage upstream from Lake Eustis.	Sanitary Sewer and WWTF Maintenance	Planned	Not provided	N/A	N/A	Lake Eustis Basin – City of Eustis	N/A	Not provided	N/A	City	Not provided	N/A
City of Eustis	LCWA/ DEP	EUS06	Eustis St./ Ward Ave. Stormwater Facility	Divert stormwater runoff to dry detention pond via storm sewer retrofit for total treatment and storage. Divert stormwater runoff to pond instead of discharging into Lake Eustis.	Dry Detention Pond	Completed	2003	399	36	Lake Eustis Basin – City of Eustis	26.5	\$355,550	\$1,300	LCWA, DEP	LCWA – \$177,775 DEP – \$177,775	Not provided
City of Eustis	FDOT	EUS07	Salem St. and Magnolia Ave. Retrofit	Divert stormwater runoff to dry detention pond via storm sewer retrofit for total treatment and storage. Divert stormwater runoff to pond instead of discharging into Lake Eustis.	Dry Detention Pond	Completed	2001	688	63	Lake Eustis Basin – City of Eustis	45.7	\$750,000	\$1,300	FDOT, City	FDOT – \$600,000 City – \$150,000	N/A
City of Eustis	LCWA	EUS08	South Grove St. and Palm Ave. Stormwater Facility	Divert stormwater runoff to dry detention pond via storm sewer retrofit for total treatment and storage. Divert stormwater runoff to pond instead of discharging into Lake Eustis.	Dry Detention Pond	Completed	2002	255	32	Lake Eustis Basin – City of Eustis	24.8	\$114,700	\$1,300	LCWA, City	LCWA – \$56,000 City – \$58,700	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Eustis	N/A	EUS09	Barnes Ave. and Center St. Retrofit	Divert stormwater runoff to dry detention pond via storm sewer retrofit for total treatment and storage. Divert stormwater runoff to pond instead of discharging into Lake Eustis.	Dry Detention Pond	Completed	2003	640	5	Lake Eustis Basin – City of Eustis	3.7	\$100,000	\$1,300	City	Not provided	N/A
City of Eustis	FDOT	EUS10	Stevens Ave. Retrofit	Divert stormwater runoff to dry detention pond via storm sewer retrofit for total treatment and storage. Construct new storm sewers. Diverts runoff prior to discharge into Lake Eustis to new detention pond at Stevens Ave. and Donnelly St..	Dry Detention Pond	Completed	2006	447	41	Lake Eustis Basin – City of Eustis	29.7	\$1,065,000	\$1,300	FDOT, City	FDOT – \$990,000 City – \$75,000	N/A
City of Eustis	LCWA	EUS11	Russell Ave. Retrofit	Divert stormwater runoff to dry detention pond via storm sewer retrofit for total treatment and storage. Divert stormwater runoff to pond instead of discharging into Lake Eustis.	Dry Detention Pond	Completed	2004	244	31	Lake Eustis Basin – City of Eustis	23.7	\$150,000	\$1,300	LCWA, City	LCWA – \$75,000 City – \$75,000	N/A
City of Eustis	LCWA	EUS12	Hazzard Ave. Retrofit	Divert stormwater runoff to wet retention pond via storm sewer retrofit for total treatment and storage. Divert stormwater runoff to pond instead of discharging into Lake Eustis.	Wet Detention Pond	Completed	2004	68	14	Lake Eustis Basin – City of Eustis	16.5	\$76,539	\$1,300	LCWA/ City	LCWA – \$38,270 City – \$38,270	N/A
City of Eustis	N/A	EUS13	South Grove St. and Steven Ave. Retrofit	Stormwater retrofit; exfiltration trenches.	Exfiltration Trench	Completed	2006	N/A	14	Lake Eustis Basin – City of Eustis	8.0	\$100,000	\$1,300	City Stormwater Utility Fee	Not provided	N/A
City of Eustis	LCWA/ DEP/ SJRWMD	EUS23	South Bay St. and Eustis St. Retrofit	Stormwater retrofit. Divert stormwater runoff to dry detention pond via storm sewer retrofit for total treatment and storage. Divert stormwater runoff to pond instead of discharging into Lake Eustis.	Dry Detention Pond	Completed	2009	N/A	80	Lake Eustis Basin – City of Eustis	42.0	\$650,000	\$1,300	LCWA/ DEP/ SJRWMD	LCWA – \$289,000 DEP – \$155,000 SJRWMD – \$206,001	Not provided

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City of Eustis	LCWA/ DEP	EUS24	North Bay St. and Clifford Ave. Retrofit	Stormwater retrofit. Divert stormwater runoff to dry detention pond via storm sewer retrofit for total treatment and storage. Divert stormwater runoff to pond instead of discharging into Lake Eustis.	Dry Detention Pond	Completed	2007	N/A	51	Lake Eustis Basin – City of Eustis	27.0	\$654,500	\$1,300	LCWA/ City of Eustis	LCWA – \$327,250 City – \$327,251	N/A
City of Eustis	LCWA	EUS27	Bates Ave. Pond	2 ponds. South side pond treats Bates and north side from Cardinal.	Wet Detention Pond	Completed	2014	N/A	10	Lake Eustis Basin – City of Eustis	20.4	\$250,236	\$1,300	LCWA/ City of Eustis	LCWA – \$75,119 City – \$175,117	N/A
City of Eustis	SJRWMD/ LCWA/ DEP	EUS28	Downtown Stormwater Master Plan	City Master plan for downtown, including construction of pond off Grove St. and new stormwater lines along SR 19.	Wet Detention Pond	Completed	2012	N/A	45	Lake Eustis Basin – City of Eustis	32.8	\$6,528,473	\$1,300	City/ SJRWMD/ LCWA/ DEP	City – \$2,679,411 SJRWMD – \$477,250 LCWA – \$1,312,605 DEP – \$1,000,000	S0529
City of Eustis	N/A	EUS29	Westmoreland Retrofit	Proposed new stormwater pond for collection on Westmoreland. Modified conveyance system; no pond installed.	Stormwater System Rehabilitation	Canceled	N/A	N/A	N/A	Lake Eustis Basin – City of Eustis	N/A	\$150,000	N/A	N/A	N/A	N/A
City of Eustis	N/A	EUS31	Ardice Ave. – Kurt St. and Ruleme St. Improvements	Storm piping along Ardice Ave. – Kurt St. and Ruleme St. will be constructed and routed to existing retention pond that city will maintain.	Stormwater System Rehabilitation	Underway	2019	N/A	N/A	Lake Eustis Basin – City of Eustis	32.3	\$650,000	N/A	City of Eustis	\$650,000	N/A
City of Eustis	N/A	EUS32	Sewer Master Lift Station Upgrade	Upgrade will include addition of bar screen, fixture replacement, and coating.	WWTF Upgrade	Planned	2018	N/A	N/A	Lake Eustis Basin – City of Eustis	N/A	Not provided	Not provided	City of Eustis	Not provided	N/A
City of Eustis	Florida Food Products, Inc.	EUS33	Florida Food Products (FFP) Inc. for City to Provide Sewage Treatment Services	In attempt to decrease FFP Inc. sprayfield burden, company petitioned city to accept some excess process waters for treatment. City Wastewater Dept. has accepted FFP discharge waters in increasing step-feed manner for testing, analysis, and treatment viability.	Wastewater Service Area Expansion	Completed	2015	TBD	TBD	Lake Eustis Basin – City of Eustis	N/A	Not provided	N/A	FFP	Not provided	N/A

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City of Eustis	N/A	EUS34	Ferran Park Parking Lot	Parking lot was constructed along with its drainage.	Stormwater System Rehabilitation	Completed	2016	N/A	N/A	Lake Eustis Basin – City of Eustis	0.6	\$350,000	\$1,300	City	Not provided	N/A
City of Eustis	N/A	EUSTIS01-DORA	Street Sweeping and Drainage Maintenance	City, FDOT, and citizen groups sweep streets. Downtown Village streets are swept weekly (52 times/yr). Other streets are swept monthly. Performance benchmark is 1,110 mi of road swept, with 1,587 cubic yds/yr of material removed.	Street Sweeping	Completed	N/A	N/A	0	Lake Eustis Basin – City of Eustis	N/A	N/A	\$58,738	City Stormwater Utility Fee	Not provided	N/A
City of Eustis	N/A	EUSTIS01-EUS	Street Sweeping and Drainage Maintenance	City, FDOT, and citizen groups sweep streets. Downtown Village streets are swept weekly (52 times/yr). Other streets are swept monthly. Performance benchmark is 1,110 mi of road swept, with 1,587 cubic yds/yr of material removed.	Street Sweeping	Completed	N/A	N/A	2	Lake Eustis Basin – City of Eustis	N/A	N/A	\$58,738	City Stormwater Utility Fee	Not provided	N/A
City of Eustis	N/A	EUSTIS01-Trout	Street Sweeping and Drainage Maintenance	City, FDOT, and citizen groups sweep streets. / Downtown Village streets are swept weekly (52 times/yr). Other streets are swept monthly. Performance benchmark is 1,110 mi of road swept, with 1,587 cubic yds/yr of material removed.	Street Sweeping	Completed	N/A	N/A	0	Lake Eustis Basin – City of Eustis	N/A	N/A	\$58,738	City Stormwater Utility Fee	Not provided	N/A
City of Eustis	LCWA/ Lake County	EUSTIS02-EUS	Support of WAV Program	Eustis is partner and financial supporter of WAV Program. WAV assists city with implementation of educational programs and water quality monitoring to support Eustis's MS4 permit.	Education Efforts	Completed	N/A	N/A	42	Lake Eustis Basin – City of Eustis	N/A	Not provided	\$1,250	City Stormwater Utility Fee/ Lake County/ LCWA	Not provided	N/A
City of Eustis	N/A	EUSTIS03	Stormwater Design Rules	Eustis code sec. 115-5. Eustis stormwater rules for new development are more stringent than state or SJRWMD rules. All new development must	Regulations, Ordinances, and Guidelines	Completed	2007	N/A	N/A	Lake Eustis Basin – City of Eustis	N/A	Not provided	Not provided	City	Not provided	N/A

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				provide stormwater treatment meeting city requirements and are subject to review by staff. City staff do field inspections of new construction. Eustis rule has 3 design criteria: 100-, 50-, and 25-yr storm based on geotechnical and soil conditions. SJRWMD only requires 25-yr peak storm flow design criteria. Most development in Eustis requires 50- or 100-yr design criteria.												
City of Eustis	N/A	EUSTIS04	Sewer Line Replacement Idlewilde Dr., Lakeshore Dr., Mary St.	Project will replace all damaged sewer lines, removing TN seepage upstream from Lake Eustis.	Sanitary Sewer and WWTF Maintenance	Completed	2016	N/A	N/A	Lake Eustis Basin – City of Eustis	N/A	\$388,280	Not provided	City	\$388,280	N/A
City of Eustis	N/A	EUSTIS01-YALE	Street Sweeping and Drainage Maintenance	City, FDOT, and citizen groups sweep streets. Downtown Village streets are swept weekly (52 times/yr). Other streets are swept monthly. Performance benchmark is 1,110 mi of road swept, with 1,587 cubic yds of material removed annually.	Street Sweeping	Completed	N/A	N/A	2	Lake Yale Basin – City of Eustis	N/A	N/A	\$58,738	City Stormwater Utility Fee	Not provided	N/A
City of Eustis	LCWA/ Lake County	EUSTIS02-Yale	Support of WAV Program	Eustis is partner and financial supporter of WAV Program. WAV provides assistance to city with implementation of educational programs and water quality monitoring to support Eustis's MS4 permit.	Education Efforts	Completed	N/A	N/A	14	Lake Yale Basin – City of Eustis	N/A	Not provided	\$1,250	City Stormwater Utility Fee/ Lake County/ LCWA	Not provided	N/A
City of Eustis	LCWA/ Lake County	EUSTIS02-TROUT	Support of WAV Program	Eustis is partner and financial supporter of WAV Program. WAV provides assistance to city with implementation of educational programs and water quality monitoring to support Eustis's MS4 permit.	Education Efforts	Completed	N/A	N/A	14	Trout Lake Basin – City of Eustis	N/A	Not provided	\$1,250	City Stormwater Utility Fee/ Lake County/ LCWA	Not provided	N/A

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City of Fruitland Park	City of Leesburg	FRUITLANDP01	Street Sweeping	Annual sweeping of city-maintained streets to remove dirt, vegetation, and debris.	Street Sweeping	Completed	N/A	N/A	Not provided	Lake Griffin Basin – Town of Fruitland Park	N/A	N/A	Not provided	City of Leesburg	Not provided	N/A
City of Fruitland Park	N/A	FRUITLANDP02	Fruitland Park NPDES Permit Education and Outreach	Landscaping, irrigation, fertilizer, and pet waste ordinances. City of Fruitland Park uses consultant for education and outreach. Activities include PSAs in cooperation with City of Leesburg and SJRWMD, distribution of pamphlets, educational website, illicit discharge inspection and education program, utility bill inserts, and informational displays for proper irrigation techniques and landscape management.	Education Efforts	Completed	N/A	N/A	8	Lake Griffin Basin – Town of Fruitland Park	N/A	Not provided	Not provided	City	Not provided	N/A
City of Groveland	N/A	GROVE01	Street Sweeping	Sweeping of city-maintained streets to remove dirt, vegetation, and debris. Benchmark frequency for sweeping is once every 30 days or as needed.	Street Sweeping	Completed	N/A	24	15	Palatlakaha River Basin – City of Groveland	N/A	N/A	\$19,890	City	Not provided	N/A
City of Groveland	N/A	GROVE02	Education and Outreach Activities	Pamphlets and website provide information to local residents. Adopted landscaping, irrigation and fertilizer application ordinances.	Education Efforts	Completed	N/A	N/A	8	Palatlakaha River Basin – City of Groveland	N/A	Not provided	Not provided	City	Not provided	N/A
City of Groveland	Developer	PAL11	Septic Tank Prohibition	No septic tanks permitted in Green Swamp or on new development sites in Groveland. Addresses groundwater protection.	Regulations, Ordinances, and Guidelines	Completed	2007	N/A	N/A	Palatlakaha River Basin – City of Groveland	N/A	Not provided	Not provided	Developer as Part of Site Development Process	Not provided	N/A
City of Groveland	Developer	PAL12	Green Swamp Additional Stormwater Runoff Retention	3 in of runoff to be retained in most effective recharge areas in Green Swamp Area of Critical State Concern (ACSC). Addresses groundwater and surface water protection.	Regulations, Ordinances, and Guidelines	Completed	2004	N/A	N/A	Palatlakaha River Basin – City of Groveland	N/A	Not provided	Not provided	Developer as Part of Site Development Process	Not provided	N/A

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City of Groveland	N/A	PAL13	Stormwater Study and Stormwater Master Plan	Stormwater study and development of master plan for older parts of city.	Study	Completed	2006	N/A	N/A	Palatlahaha River Basin – City of Groveland	N/A	\$150,000	N/A	City of Groveland Community Redevelopment Agency/ Possible Grants.	Not provided	N/A
City of Groveland	Homeowners	PAL22	Septic Tank Comprehensive Plan	Septic tanks in Green Swamp are required to be pumped every 5 yrs. Comprehensive plan addresses groundwater and surface water protection.	Regulations, Ordinances, and Guidelines	Completed	2007	N/A	N/A	Palatlahaha River Basin – City of Groveland	N/A	Not provided	Not provided	Homeowners	Not provided	N/A
City of Leesburg	N/A	LEESBURG01	Street Sweeping	Sweeping of city-maintained streets to remove dirt, vegetation, and debris. Benchmark frequency is monthly, covering 170 mi of pavement each month. Performance benchmark for removal is 50 cubic yds. of debris collected and disposed of monthly.	Street Sweeping	Completed	N/A	N/A	Not provided	City of Leesburg Citywide	N/A	N/A	\$125,000	City Stormwater Utility Fee	Not provided	N/A
City of Leesburg	N/A	LEESBURG02-DEN	Education and Outreach Activities	PSAs on Lakefront TV, pamphlets, website, illicit connection reporting. City adopted ordinances for landscaping, fertilizer application, and pet waste management. Student and adult education programs.	Education Efforts	Completed	N/A	N/A	14	Lake Denham – City of Leesburg	N/A	Not provided	Not provided	City Stormwater Utility Fee	Not provided	N/A
City of Leesburg	N/A	LEESBURG02-EUS	Education and Outreach Activities	PSAs on Lakefront TV, pamphlets, website, illicit connection reporting. City adopted ordinances for landscaping, fertilizer application, and pet waste management. Student and adult education programs.	Education Efforts	Completed	N/A	N/A	5	Lake Eustis Basin – City of Leesburg	N/A	Not provided	Not provided	City Stormwater Utility Fee	Not provided	N/A
City of Leesburg	LCWA	GRIF08	Canal St. Retrofit	Stormwater retrofit; construct 2.4-ac pond.	Not provided	Completed	2009	N/A	7	Lake Griffin Basin – City of Leesburg	30.0	\$200,000	Not provided	City/ LCWA	City – \$150,000 LCWA – \$50,001	N/A
City of Leesburg	LCWA	GRIF10	Whispering Pines Regional Stormwater Retrofit	Stormwater retrofit. Construction of wet detention pond with littoral shelf on 4.7-ac site. Expected 66 % reduction in TP.	Wet Detention Pond	Completed	2009	N/A	130	Lake Griffin Basin – City of Leesburg	132.0	\$1,500,000	Not provided	City/ LCWA	City – \$750,000 LCWA – \$750,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Leesburg	SJRWMD	GRIF23	Lake Griffin Water Quality Improvement Project at Canal St. WWTP	Sediment box.	Baffle Box	Completed	2007	N/A	Not provided	Lake Griffin Basin – City of Leesburg	Not provided	\$150,000	Not provided	SJRWMD Grant/ City Stormwater Utility Fee	Not provided	N/A
City of Leesburg	N/A	GRIF29	Lake Griffin Stormwater Improvements	Proposed stormwater treatment facility will be wet detention pond located on city-owned land between US Hwy. 441 at RoMac Lumber. Stormwater Pond; 2.7-ac wet detention pond with wetland.	Wet Detention Pond, Wetland Treatment	Planned	Not provided	N/A	36	Lake Griffin Basin – City of Leesburg	42.1	\$440,000	Not provided	City Stormwater Utility Fee	\$440,000	N/A
City of Leesburg	N/A	GRIF30	Oak Terrace Dr. Detention	1.0-ac wet detention pond.	Wet Detention Pond	Planned	2019	N/A	30	Lake Griffin Basin – City of Leesburg	26.9	\$360,000	Not provided	City Stormwater Utility Fee	\$360,000	N/A
City of Leesburg	Not provided	GRIF31	Birchwood Phase 2 and 3	Removing open ditch and enclosing pipes.	Stormwater System Rehabilitation	Planned	Not provided	N/A	N/A	Lake Griffin Basin – City of Leesburg	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Leesburg	Not provided	GRIF32	Public Works	Baffle box.	Baffle Box	Completed	Not provided	N/A	Not provided	Lake Griffin Basin – City of Leesburg	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
City of Leesburg	N/A	LEESBURG02-GRIF	Education and Outreach Activities	PSAs on Lakefront TV, pamphlets, website, illicit connection reporting. City-adopted ordinances for, landscaping, fertilizer application, and pet waste management. Student and adult education programs.	Education Efforts	Completed	N/A	N/A	31	Lake Griffin Basin – City of Leesburg	N/A	Not provided	Not provided	City Stormwater Utility Fee	Not provided	N/A
City of Leesburg	LCWA	HAR01	Lakeshore Dr. Stormwater Project	Stormwater wet detention pond. Removes nutrient loading from Venetian Canals and Lake Harris. Near Venetian Gardens Canals – East Dixie Ave., Leesburg.	Wet Detention Pond	Completed	2003	N/A	2	Lake Harris Basin – City of Leesburg	25.0	\$185,756	Not provided	City/ LCWA/ Florida Legislature	City – \$64,086 LCWA – \$64,086, Legislature – \$57,584	N/A
City of Leesburg	SJRWMD/ DEP	HAR17	Lake Harris Water Quality Improvement Project at Venetian Gardens	Nutrient-reducing baffle box to remove pollutants.	Baffle Box	Completed	2008	N/A	Not provided	Lake Harris Basin – City of Leesburg	44.0	\$167,000	Not provided	319 Grant/ SJRWMD Grant/ City Stormwater Utility Fee	Not provided	Not provided
City of Leesburg	LCWA	HAR19	Heritage Estates Stormwater Improvement	Former CSX vacated rail. Dry retention swale system, treatment train approach with Type 2 baffle box at main inflow to swales.	BMP Treatment Train	Planned	Not provided	N/A	20	Lake Harris Basin – City of Leesburg	46.4	\$351,000	Not provided	City Stormwater Utility Fee/ Grants and Cost-Shares/ LCWA Grant	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
City of Leesburg	Not provided	HAR20	Pine St. Stormwater Pond	0.89-ac dry detention pond.	Dry Detention Pond	Planned	Not provided	N/A	15	Lake Harris Basin – City of Leesburg	13.5	\$343,000	Not provided	City Stormwater Utility Fee/ Grants and Cost-Share	Not provided	Not provided
City of Leesburg	Not provided	HAR25	PoBoys	Removing open ditch and enclosing pipes located at Hwy. 27 and South St.	Stormwater System Rehabilitation	Underway	Not provided	N/A	N/A	Lake Harris Basin – City of Leesburg	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Leesburg	Not provided	HAR26	Palm Harbour Court	Redirecting flow and adding storage capacity of ditch system.	Stormwater System Rehabilitation	Underway	Not provided	N/A	N/A	Lake Harris Basin – City of Leesburg	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Leesburg	N/A	LEESBURG02-HAR	Education and Outreach Activities	PSAs on Lakefront TV, pamphlets, website, illicit connection reporting. City-adopted ordinances for, landscaping, fertilizer application, and pet waste management. Student and adult education programs.	Education Efforts	Completed	N/A	N/A	75	Lake Harris Basin – City of Leesburg	N/A	Not provided	Not provided	City Stormwater Utility Fee	Not provided	N/A
City of Leesburg	N/A	LEESBURG02-PAL	Education and Outreach Activities	PSAs on Lakefront TV, pamphlets, website, illicit connection reporting. City-adopted ordinances for, landscaping, fertilizer application, and pet waste management. Student and adult education programs.	Education Efforts	Completed	N/A	N/A	5	Palatlahaha River Basin – City of Leesburg	N/A	Not provided	Not provided	City Stormwater Utility Fee	Not provided	N/A
City of Minneola	N/A	PAL18	Disston Ave. and Bike Trail	Installation of piping, catch basins, sidewalk replacement, driveway repair, relocated existing water lines needed for existing stormwater pond in Forrest Subdivision. Improvements to existing stormwater treatment system that will better protect water resources.	Stormwater System Rehabilitation	Completed	Not provided	N/A	Not provided	Palatlahaha River Basin – City of Minneola	Not provided	\$80,133	Not provided	City Stormwater Fund	\$80,133	N/A
City of Minneola	DEP	PAL19	The Crescent	Installation of new curb and gutter, road surface, new inlet basin, and sod as improvements for existing pond. Improvements to existing stormwater treatment system to better protect water resources.	Stormwater System Rehabilitation	Completed	Not provided	N/A	Not provided	Palatlahaha River Basin – City of Minneola	Not provided	\$740,000	Not provided	DEP	Not provided	Not provided
City of Minneola	N/A	PAL20	Firestone/ WaterFord Landing	Install piping, manholes, open and repair road, and concrete flume as part of	Stormwater System Rehabilitation	Completed	Not provided	N/A	N/A	Palatlahaha River Basin –	N/A	\$91,077	Not provided	City Stormwater Fund	\$91,077	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				improvements for existing pond.						City of Minneola						
City of Minneola	N/A	MINN01	Education Outreach	Implement MS4 permit outreach requirements for 1 % credit.	Education Efforts	Underway	N/A	N/A	1	Palatlakaha River Basin – City of Minneola	N/A	Not provided	Not provided	City Stormwater Fund	Not provided	N/A
City of Minneola	N/A	MINN02	Inlet Clean Out and Street Sweeping	Street sweeping and inlet clean out. Removes sediments and debris from streets and prevents their entry into lakes.	Street Sweeping	Underway	Not provided	N/A	2	Palatlakaha River Basin – City of Minneola	N/A	N/A	Not provided	City Stormwater Fund	Not provided	N/A
City of Mt. Dora	Lake County Public Works	DORA16	Lake Gertrude Outfall Improvements	Proposed improvements to Lake Gertrude outfall. Lake Gertrude is tributary discharge to Lake Dora. Lake County and Mt. Dora have interlocal agreement to authorize project.	Control Structure	Canceled	N/A	N/A	N/A	Lake Dora Basin – City of Mt. Dora	N/A	\$635,000	N/A	N/A	N/A	N/A
City of Mt. Dora	Lake County Public Works	DORA17	Lake John – Dogwood Mountain Retrofit	Interlocal agreement between city and county Public Works.	Not provided	Completed	2008	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	Not provided	\$1,203,771	Not provided	City, Lake County	City – \$698, 461 Lake County – \$505,310	N/A
City of Mt. Dora	Not provided	DORA19	NSBB – Gilbert Park	NSBB installed at stormwater discharge culvert. Box removes trash and organic debris in top basket and captures sediment in series of baffle beneath basket.	Baffle Box – 2nd Generation	Completed	2008	N/A	2	Lake Dora Basin – City of Mt. Dora	15.0	\$54,035	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	LCWA	DORA21	10 Grate Inlet Skimmer Boxes	10 grate inlet skimmer boxes to be installed in complex to remove sand and debris from paved areas.	Baffle Box – 1st Generation	Completed	2009	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	2.0	\$10,050	Not provided	City, LCWA	City – \$5,025 LCWA – \$5,025	N/A
City of Mt. Dora	LCWA	DORA22	NSBB at 4th Ave and Lakefront	Installed Suntree 2nd-generation NSBB at 4th Ave. at lakefront on Lake Dora. System removes sand and debris from stormwater runoff before entering Lake Dora. Erosion blocks installed at outfall. Public education sign with removal tally placed next to unit.	Baffle Box – 2nd Generation	Completed	2009	N/A	6	Lake Dora Basin – City of Mt. Dora	13.4	\$69,061	Not provided	City, LCWA	City – \$34,531 LCWA – \$34,531	N/A
City of Mt. Dora	LCWA	DORA23	Flexstorm Inlet Filters	Installed Flexstorm Inlet Filters into curb inlets in downtown area. Filters capture gross pollutants,	Catch Basin Inserts/Inlet Filter Clean Out	Completed	2010	N/A	15	Lake Dora Basin – City of Mt. Dora	Not provided	Not provided	Not provided	City, LCWA	City – 50 %, LCWA – 50 %	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				leaves, trash, debris, and some sand.												
City of Mt. Dora	LCWA	DORA24	NSBB at Grandview St. and Johns St.	Installed Suntree NSBB at corner of Grandview St. and Johns St. System removes sand and debris from stormwater runoff before entering Lake Dora. System includes upflow filter to remove dissolved nutrients. Public education sign with removal tally placed next to unit.	Baffle Box – 2nd Generation	Completed	2012	N/A	5	Lake Dora Basin – City of Mt. Dora	106.0	\$140,125	Not provided	City, LCWA	City – \$90,004 LCWA – \$50,121	N/A
City of Mt. Dora	LCWA	DORA25	NSBB at 5th Ave and Rossiter St.	Installed Suntree NSBB at corner of 5th Ave. and Rossiter St. System removes sand and debris from stormwater runoff before entering Lake Franklin. System includes upflow filter to remove dissolved nutrients. Public education sign with removal tally placed next to unit.	Baffle Box – 2nd Generation	Completed	2012	N/A	6	Lake Dora Basin – City of Mt. Dora	115.0	\$124,168	Not provided	City/ LCWA	City – \$67,873 LCWA – \$56,295	N/A
City of Mt. Dora	LCWA	DORA26	StormX Gross Pollutant Traps	City – StormX gross pollutant traps were installed at discharge point of 3 stormwater pipelines. Traps are large, heavy mesh bags that capture leaves, trash, debris, and some sand.	Catch Basin Inserts/Inlet Filter Clean Out	Completed	2012	N/A	6	Lake Dora Basin – City of Mt. Dora	Not provided	\$19,025	Not provided	City/ LCWA	City – \$9,511 LCWA – \$9,513	N/A
City of Mt. Dora	Lake County	DORA27	CDS Unit at Lake Dora Rd.	Installed CDS unit at Lake Dora Rd. System removes sand and debris from stormwater runoff before entering Lake Dora.	CDS Unit	Completed	Not provided	N/A	4	Lake Dora Basin – City of Mt. Dora	64.0	Not provided	Not provided	Lake County Public Works	Not provided	N/A
City of Mt. Dora	LCWA	DORA28	NSBB at 4th Ave and Donnelly St.	Installed Suntree 2nd-generation NSBB at 4th Ave. and Donnelly St. System removes sand and debris from stormwater runoff before entering Lake Dora.	Baffle Box – 2nd Generation	Completed	Prior to 2014	N/A	2	Lake Dora Basin – City of Mt. Dora	25.0	\$88,100	Not provided	City/ LCWA	City – \$44,050 LCWA – \$44,050	N/A
City of Mt. Dora	LCWA	DORA29	NSBB at 3rd Ave. and McDonald St.	Installed Suntree 2nd-generation NSBB at 3rd Ave. and McDonald St.	Baffle Box – 2nd Generation	Completed	2012	N/A	5	Lake Dora Basin – City of Mt. Dora	5.2	\$45,090	Not provided	City/ LCWA	City – \$22,545 LCWA – \$22,545	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				System removes sand and debris from stormwater runoff before entering Lake Dora.												
City of Mt. Dora	LCWA	DORA30	CDS Unit at Charles St.	Installed CDS unit at Charles St. System removes sand and debris from stormwater runoff before entering Lake Dora.	CDS Unit	Completed	Prior to 2014	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	2.5	\$71,000	Not provided	City/ LCWA	City – \$35,500 LCWA – \$35,500	N/A
City of Mt. Dora	LCWA	DORA31	CDS Unit at Old Eustis Rd. and Overlook Rd.	Installed CDS unit at Old Eustis Rd. and Overlook Rd. System removes sand and debris from stormwater runoff before entering Lake Gertrude.	CDS Unit	Completed	Prior to 2014	N/A	1	Lake Dora Basin – City of Mt. Dora	8.5	\$71,000	Not provided	City/ LCWA	City – \$35,500 LCWA – \$35,501	N/A
City of Mt. Dora	LCWA	DORA32	Underground Stormwater Treatment System at 6th Ave. and Baker St.	Installation of underground stormwater treatment system as part of 7th Ave. stormwater project. Offline stormwater treatment system located in Donnelly Park under tennis court and event area.	Offline Retention BMP	Underway	Not provided	N/A	20	Lake Dora Basin – City of Mt. Dora	33.4	\$150,000	Not provided	City/ LCWA	City – \$51,000 LCWA – \$49,500	N/A
City of Mt. Dora	N/A	DORA33	S. Johns St. StormTech Installation	Installed StormTech system with 2 50 LF rows with "Isolator Row" for maintenance. Regraded and paved road to improve drainage.	Retention BMP	Completed	2011	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	2.0	\$10,000	Not provided	City	City – \$10,000	N/A
City of Mt. Dora	N/A	DORA35	City of Mt. Dora MS4 System	Citywide catch basin and pipeline cleaning program.	BMP Clean Out	Completed	N/A	N/A	82	Lake Dora Basin – City of Mt. Dora	N/A	N/A	Not provided	City	Not provided	N/A
City of Mt. Dora	Not provided	DORA36	Exfiltration System at McDonald St. and 5th Ave. Parking Lot	Installed exfiltration system with perforated CMP to reduce TP loading in stormwater.	Exfiltration Trench	Completed	Not provided	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
City of Mt. Dora	Developer	DORA37	Exfiltration System at Suntrust Bank	City of Mt. Dora on 5th Ave. between Tremain and Baker Sts. Installed exfiltration system with perforated CMP to reduce TP loading in stormwater.	Exfiltration Trench	Completed	Prior to 2014	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	Not provided	Not provided	Not provided	Developer – Private (Suntrust).	Not provided	N/A
City of Mt. Dora	Developer	DORA38	Exfiltration System at Medical Office	City of Mt. Dora on southeast corner of Baker St. and 4th Ave. Privately	Exfiltration Trench	Completed	Prior to 2014	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	Not provided	Not provided	Not provided	Developer – Private	Not provided	N/A

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				installed exfiltration system with perforated CMP to reduce TP loading in stormwater.										(Medical Office).		
City of Mt. Dora	N/A	DORA39	Exfiltration System 3rd Ave. and Donnelly St. Parking Lot	City of Mt. Dora northeast corner of 3rd Ave. and Donnelly St. parking lot. Installed exfiltration system with perforated CMP to reduce TP loading in stormwater.	Exfiltration Trench	Completed	Prior to 2014	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Mt. Dora	N/A	DORA40	StormTech Chambers Highland and Liberty St. Parking Lot	City of Mt. Dora parking lot at intersection of Highland and Liberty St. (west side of Highland). Installed Stormtech chambers (infiltration system) to reduce TP loading in stormwater through filtering.	Retention BMP	Completed	Prior to 2014	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Mt. Dora	N/A	DORA41	StormTech Chambers at East Side of Highland and Liberty St.	City of Mt. Dora at intersection of Highland and Liberty St. (east side). Installed Stormtech chambers (infiltration system) to reduce TP loading in stormwater through filtering.	Retention BMP	Completed	Prior to 2014	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Mt. Dora	Developer	DORA42	StormTech Chamber at 13th and Annie St.	City of Mt. Dora at corner of West 13th St. and Annie St. Installed 125- by 75-ft Stormtech chamber (infiltration system) to reduce TP loading in stormwater through filtering.	Retention BMP	Completed	Prior to 2014	N/A	Not provided	Lake Dora Basin – City of Mt. Dora	Not provided	Not provided	Not provided	Developer – Private (Christian Home and Bible School).	Not provided	N/A
City of Mt. Dora	N/A	MTDORA01	Street Sweeping	Citywide street sweeping program via contractor using mechanical sweeper. Removes sediments and debris from streets and prevents their entry into lakes. Benchmark frequency is entire city swept 15 times/yr with a performance goal of 1,500+ cubic yds/yr of debris collected.	Street Sweeping	Completed	N/A	N/A	685	Lake Dora Basin – City of Mt. Dora	N/A	N/A	\$50,578	City	Not provided	N/A

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City of Mt. Dora	N/A	MTDORA02	Education Outreach	Education outreach meeting requirements of MS4 permit.	Education Efforts	Completed	N/A	N/A	4	Lake Dora Basin – City of Mt. Dora	N/A	Not provided	Not provided	City	Not provided	N/A
City of Mt. Dora	N/A	DORA20	NSBB Retrofit	NSBB retrofit into existing junction box at stormwater discharge into Lake Gertrude. Box removes trash and organic debris in top basket and captures sediment in series of baffle beneath basket. Project is not in basin – 0 reductions from project.	Baffle Box – 2nd Generation	Completed	2009	N/A	0	Outside Lake Dora Basin – City of Mt. Dora	2.5	\$7,400	Not provided	City	\$7,400	N/A
City of Ocoee	Orange County CBDG Program/ DEP	LAP25	Pioneer Key Regional Stormwater Project	Pioneer Key Mobile Home Park. Regional stormwater improvements with water quality enhancements. Construction of regional wet detention stormwater treatment pond. Reduce pollutant loading to Lake Apopka. Project Completed in two phases. Pioneer Key RSF funded by DEP. Additional work will include reconstruction of roadways, install storm sewers, sanitary sewer, potable water, and sidewalks within road right-of-way. Second phase of construction to Pioneer Key II Mobile Home Park funded by Orange CBDG.	Wet Detention Pond	Completed	2006	102	62	Lake Apopka Basin – City of Ocoee	124.0	\$2,500,000	Not provided	City/ Private Property Owner/ Orange County CBDG/ DEP	City and private property owner – \$1,682,500 Orange County CBDG – 817,500, DEP – \$900,000	N/A
City of Ocoee	Developer	LAP39	Ocoee Crown Point Subdivision	Retention BMPs.	Retention BMP	Completed	2017	N/A	N/A	Lake Apopka Basin – City of Ocoee	N/A	N/A	N/A	N/A	N/A	N/A
City of Ocoee	Developer	LAP40	Renaissance Charter School	Retention BMPs at West Rd., Ocoee.	Retention BMP	Completed	2017	N/A	N/A	Lake Apopka Basin – City of Ocoee	N/A	N/A	N/A	N/A	N/A	N/A
City of Ocoee	Developer	LAP41	Arbors at Crown Point Subdivision	Retention BMPs at Fountain Rd. – West Rd.	Retention BMP	Completed	2017	N/A	N/A	Lake Apopka Basin – City of Ocoee	N/A	N/A	N/A	N/A	N/A	N/A
City of Ocoee	Developer	LAP42	Crown Pointe Cove Subdivision	Retention BMPs at West Rd. and Ocoee-Apopka Rd.	Retention BMP	Completed	2017	N/A	N/A	Lake Apopka Basin – City of Ocoee	N/A	N/A	N/A	N/A	N/A	N/A

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City of Ocoee	Developer	LAP43	Eagles Creek Subdivision	Retention BMPs at Ocoee-Apopka Rd. and Fullers Cross Rd.	Retention BMP	Completed	2017	N/A	N/A	Lake Apopka Basin – City of Ocoee	N/A	N/A	N/A	N/A	N/A	N/A
City of Ocoee	Not provided	OCOEE01	Street Sweeping	Sweeping of city-maintained streets to remove dirt, vegetation, and debris. City removes 987 tons of debris annually with reduction of 670 lbs/yr TP and 1,045 lbs/yr TN. Per Northwest Watershed area that drains to Lake Apopka, 30 % of loading should be accounted for Lake Apopka.	Street Sweeping	Completed	N/A	313	201	Lake Apopka Basin – City of Ocoee citywide	N/A	N/A	Not provided	Not provided	Not provided	N/A
City of Tavares	LCWA	DORA02	Tavares Stormwater Retrofit	Downtown Tavares. Reduce sediment input to Lake Dora.	Baffle Box	Completed	2004	N/A	Not provided	Lake Dora Basin – City of Tavares	3.6	\$60,000	Not provided	City/ LCWA/ Florida Legislature	City – \$20,700 LCWA – \$20,700 Legislature – \$18,600	N/A
City of Tavares	N/A	Tavares02-DORA	Baffle Boxes	Baffle boxes have been placed in many of direct stormwater discharges into these lakes.	Baffle Box	Completed	Not provided	N/A	252	Lake Dora Basin – City of Tavares	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Tavares	DEP/ LCWA	Tavares04-DORA	City of Tavares Downtown Community Redevelopment Area (CRA) Area A Stormwater Improvements Treatment Pond	Project proposes construction of stormwater interceptor to divert stormwater from city's Downtown CRA into new wet detention pond, thus eliminating several direct outfalls into Lake Dora. Water quality benefits to Lake Dora include sediment/TP/TN loading reductions. Located in Lake County (Sections: 29,32; Township: 19S; Range: 26E).	Wet Detention Pond	Underway	TBD	518	104	Lake Dora Basin – City of Tavares	84.6	\$1,734,000	Not provided	Clean Water SRF/ Section 319(h) in combination with Florida Legislature Funds/ TMDL/ LCWA	Not provided	Not provided
City of Tavares	N/A	Tavares01-DORA	Street Sweeping	Citywide street sweeping program. Removes sediment and debris from streets that would otherwise contribute potential nutrient loadings to Lakes Dora and Eustis. Benchmark frequency for sweeping is quarterly or as needed.	Street Sweeping	Completed	N/A	N/A	88	Lake Dora Basin – City of Tavares citywide	N/A	N/A	Not provided	City	Not provided	N/A

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City of Tavares	N/A	Tavares03-DORA	Education and Outreach Activities	Pamphlets, website, illicit connection reporting. City adopted irrigation ordinance and has several FFL displays.	Education Efforts	Completed	N/A	N/A	6	Lake Dora Basin – City of Tavares citywide	N/A	Not provided	Not provided	City	Not provided	N/A
City of Tavares	LCWA	EUS05	Stormwater Retrofit	North Tavares. Sediment and debris collection box; baffle box.	Baffle Box	Completed	2004	N/A	Not provided	Lake Eustis Basin – City of Tavares	20.0	\$30,000	Not provided	City/LCWA/ Florida Legislature	City – \$10,350 LCWA – \$10,350 Legislature – \$9,300	N/A
City of Tavares	N/A	Tavares02-EUS	Baffle Boxes	Baffle boxes have been placed in many of direct stormwater discharges into lakes.	Baffle Box	Completed	Not provided	N/A	84	Lake Eustis Basin – City of Tavares	Not provided	Not provided	Not provided	City	Not provided	N/A
City of Tavares	N/A	Tavares01-EUS	Street Sweeping	Citywide street sweeping program. Removes sediment and debris from streets that would otherwise contribute potential nutrient loadings to Lakes Dora and Eustis. Benchmark frequency for sweeping is quarterly or as needed.	Street Sweeping	Completed	N/A	N/A	215	Lake Eustis Basin – City of Tavares citywide	N/A	N/A	Not provided	City	Not provided	N/A
City of Tavares	N/A	Tavares03-EUS	Education and Outreach Activities	Pamphlets, website, illicit connection reporting. City adopted irrigation ordinance and has several FFL displays.	Education Efforts	Completed	N/A	N/A	9	Lake Eustis Basin – City of Tavares citywide	N/A	Not provided	Not provided	City	Not provided	N/A
City of Tavares	N/A	Tavares01-HAR	Street Sweeping	Citywide street sweeping program. Removes sediment and debris from streets that would otherwise contribute nutrient loadings to Lakes Dora and Eustis. Benchmark frequency for sweeping is quarterly or as needed.	Street Sweeping	Completed	N/A	N/A	10	Lake Harris Basin – City of Tavares citywide	N/A	N/A	Not provided	City	Not provided	N/A
City of Tavares	N/A	Tavares03-HAR	Education and Outreach Activities	Pamphlets, website, illicit connection reporting. City adopted irrigation ordinance and has several FFL displays.	Education Efforts	Completed	N/A	N/A	8	Lake Harris Basin – City of Tavares citywide	N/A	Not provided	Not provided	City	Not provided	N/A
City of Umatilla	DEP/ Lake County/ LCWA	YALE04-YALE	Lake Yale Priority for Reuse	Lake Yale priority for reuse.	Reclaimed Water	Completed	2015	N/A	Not provided	Lake Yale Basin – City of Umatilla	N/A	\$2,905,000	Not provided	City/ DEP 319 Grant/ LCWA Grant/ Lake County	LCWA – \$36,575	Not provided
City of Umatilla	N/A	UMATILLA03-YALE	Street Sweeping	Monthly sweeping of city-maintained streets to	Street Sweeping	Completed	N/A	N/A	6	Lake Yale Basin – City of	N/A	N/A	\$9,600	City	Not provided	N/A

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				remove dirt, vegetation, and debris.						Umatilla citywide						
City of Umatilla	N/A	UMATILLA05-YALE	Public Education	Public education and participation program for residents of Umatilla to enhance knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement.	Education Efforts	Completed	N/A	N/A	3	Lake Yale Basin – City of Umatilla citywide	N/A	Not provided	\$7,500	City	Not provided	N/A
City of Umatilla	LCWA	UMATILLA04	Master Stormwater Management Plan	Stormwater master plan.	Study	Completed	2013	N/A	N/A	Trout Lake and Lake Yale Basins – City of Umatilla	N/A	\$24,000	N/A	City/ LCWA	City – \$12,000 LCWA – \$12,000	N/A
City of Umatilla	DEP	EUS30	Orange Ave. Retrofit	Lake Bracy Watershed in Umatilla. Addition of catch basins and stormwater pond addition and enlargement.	Not provided	Completed	2013	N/A	19	Trout Lake Basin – City of Umatilla	23.3	\$1,644,427	Not provided	City/ 319 Grant	Not provided	Not provided
City of Umatilla	SJRWMD	TROUT03	Trowell Ave. Baffle Boxes	Lake Umatilla Watershed. Installation of 2 baffle boxes at edge of Lake Umatilla to catch sediment carried in stormwater before it enters Lake Umatilla. Lake Umatilla does not discharge into Trout Lake. Hicks Ditch discharges into Lake Umatilla. Funding for project was supplied by CBDG obtained with assistance of SJRWMD.	Baffle Box	Completed	Prior to 2007	N/A	Not provided	Trout Lake Basin – City of Umatilla	Not provided	Not provided	Not provided	SJRWMD	Not provided	N/A
City of Umatilla	FEMA	TROUT04	Kentucky Ave. Retention Pond	Kentucky Ave. – Lake Umatilla Watershed. Retention pond located on Kentucky Ave. will reduce stormwater inputs into Lake Umatilla. Lake Umatilla no longer drains to Trout Lake. Hicks Ditch discharges to Lake Umatilla.	Retention BMP	Completed	Prior to 2007	N/A	Not provided	Trout Lake Basin – City of Umatilla	Not provided	\$1,468,320	Not provided	FEMA – El Niño Grant	Not provided	N/A
City of Umatilla	N/A	UMATILLA01	Green Space Ordinance	Umatilla Land Development Regulations, Chapter 6, Zoning District Regulations require that new development in	Regulations, Ordinances, and Guidelines	Completed	Prior to 2007	N/A	N/A	Trout Lake Basin – City of Umatilla	N/A	Not provided	Not provided	City	Not provided	N/A

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				Umatilla must set aside 25 % of area as green space.												
City of Umatilla	N/A	UMATILLA02	Stormwater Development Ordinance	Umatilla Code of Ordinances, Subdivision Regulation (k) Storm Drainage 19-53. All new development in Umatilla is required to retain stormwater runoff on site.	Regulations, Ordinances, and Guidelines	Completed	Prior to 2007	N/A	N/A	Trout Lake Basin – City of Umatilla	N/A	Not provided	Not provided	City	Not provided	N/A
City of Umatilla	N/A	UMATILLA03-TROUT	Street Sweeping	Monthly sweeping of city-maintained streets to remove dirt, vegetation, and debris.	Street Sweeping	Completed	N/A	N/A	87	Trout Lake Basin – City of Umatilla	N/A	N/A	\$9,600	City	Not provided	N/A
City of Umatilla	DEP/ Lake County/ LCWA	YALE04-TROUT	Trout Lake Priority for Reuse	Trout Lake priority for reuse.	Reclaimed Water	Canceled	N/A	N/A	N/A	Trout Lake Basin – City of Umatilla	N/A	\$2,905,000	N/A	N/A	N/A	N/A
City of Umatilla	N/A	UMATILLA05-TROUT	Public Education	Public education and participation program for residents of Umatilla to enhance knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement.	Education Efforts	Completed	N/A	N/A	10	Trout Lake Basin – City of Umatilla citywide	N/A	Not provided	\$7,500	City	Not provided	N/A
City of Wildwood	Not provided	WILDWOOD01	Education and Outreach Activities	Education and outreach activities.	Education Efforts	Completed	N/A	N/A	0	Lake Harris Basin- City of Wildwood	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
City of Winter Garden	N/A	LAP34	Dillard St. Pond Expansion	Project is part of permitting process for new City Hall in Winter Garden. Modify stormwater system adjacent to pond to treat previously untreated runoff.	Not provided	Completed	Not provided	N/A	Not provided	Lake Apopka Basin – City of Winter Garden	Not provided	\$246,000	Not provided	City	Not provided	Not provided
City of Winter Garden	N/A	LAP35	Plant St.	Project involves widening Plant St., including blowing out intersection of West Crown Point Rd. in Winter Garden; no stormwater treatment for this section of road prior to widening.	Not provided	Completed	Not provided	N/A	Not provided	Lake Apopka Basin – City of Winter Garden	Not provided	\$2,000,000	Not provided	City	Not provided	Not provided
City of Winter Garden	SJRWMD/ DEP	LAP49	Stormwater Capture and Reuse and Recharge	Treatment of untreated stormwater with recharge to aquifer. Berming of 2 direct discharge canals to Lake Apopka and treat	Stormwater Reuse	Underway	2018	TBD	TBD	Lake Apopka Basin – City of Winter Garden	980.0	\$3,360,000	Not provided	City/ DEP/ SJRWMD	City – \$1,860,000, DEP – \$750,000 SJRWMD – \$750,000	28432

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				stormwater to reuse standards to be put into distribution system. Project also includes recharge of aquifer with reclaimed water.												
City of Winter Garden	N/A	WNTRGAR01	Street Sweeping	Sweeping of city-maintained streets to remove dirt, vegetation, and debris. Benchmark frequency for sweeping is quarterly or as needed. Performance benchmark is 4,355 mi of pavement swept with 312 cubic tons of debris collected annually.	Street Sweeping	Completed	N/A	1,688	TBD	Lake Apopka Basin – City of Winter Garden citywide	N/A	N/A	Not provided	City	Not provided	N/A
City of Winter Garden	N/A	LAP47	Avalon and Tilden Rds. Improvement Project	Roadway improvements including dry retention of roadway runoff in swales with ditch blocks. Swales with blocks or raised culverts	Retention BMP	Completed	Not provided	N/A	0	Lake Apopka Basin -City of Winter Garden	9.3	Not provided	Not provided	City	Not provided	Not provided
City of Winter Garden	N/A	WNTRGAR02-ROB	Education and outreach in Lake Roberts Basin	Education outreach credit of 6 %.	Education Efforts	Completed	N/A	N/A	2	Lake Roberts Basin – City of Winter Garden	N/A	Not provided	Not provided	City	Not provided	Not provided
DEP	LCWA	GRIF12	Lake Griffin State Park Retrofit	Wet detention pond. No increase in TP load with road improvement.	Wet Detention Pond	Completed	2004	N/A	11	Lake Griffin Basin – DEP	Not provided	\$82,535	Not provided	DEP, LCWA	DEP – \$41,268 LCWA – \$41,268	Not provided
FDACS	City of Eustis	TROUT08	Trout Lake HWTT System	HWTT system will remove TN and TP loading to Hicks Ditch and Trout Lake. In dry season will also be used to treat water in a canal connected will treat Trout Lake water. Eustis receives 199 lbs-TP/yr of credit, and FDACS receives 2,015 lbs-TP/yr of credit.	HWTT	Completed	2017	23,946	2,214	Trout Lake Watershed – City of Eustis	N/A	\$3,000,000	Not provided	City of Eustis provided land/ FDACS provided remaining project funding	Not provided	N/A
FDACS	Private Landowners	NUTRIENT05	Statewide Cow/Calf BMP Manual Development and Implementation	Development and rule adoption of manual addressing BMPs for cows and calves.	Agricultural BMPs	Completed	Prior to 2007	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT06	Statewide Equine BMP Manual Development and Implementation	Development and rule adoption of manual addressing BMPs for horse management.	Agricultural BMPs	Completed	Prior to 2007	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Management of agricultural runoff reduces nutrient loadings.												
FDACS	Private Landowners	NUTRIENT07	Statewide BMP Manual for Container Grown Plants	Revision and adoption of manual addressing BMPs for container-grown plants. Management of agricultural runoff reduces nutrient loadings.	Agricultural BMPs	Completed	Prior to 2007	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT08	Statewide Sod Operations BMP Manual	Development and rule adoption of manual addressing BMPs for sod operations. Reduce nutrient loadings in runoff from agricultural operations.	Agricultural BMPs	Completed	Prior to 2007	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT13	Statewide BMP Manual for Dairy Operations	Development and rule adoption of manual addressing BMPs for fruit and nut production.	Agricultural BMPs	Completed	2016	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT14	Statewide Cow/Calf BMP Manual Development and Implementation	Development and rule adoption of manual addressing BMPs for cows and calves.	Agricultural BMPs	Completed	2016	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT15	Statewide Equine BMP Manual Development and Implementation	Development and rule adoption of manual addressing BMPs for horse management. Management of agricultural runoff reduces nutrient loadings.	Agricultural BMPs	Completed	2016	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT16	Statewide Nurseries	Revision and adoption of manual addressing BMPs for container grown plants. Management of agricultural runoff reduces nutrient loadings.	Agricultural BMPs	Completed	2016	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT17	Statewide Vegetable and Agronomic Crops	Revision and adoption of manual addressing BMPs for vegetable and agronomic crops. Management of agricultural runoff reduces nutrient loadings.	Agricultural BMPs	Completed	2016	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT18	Statewide Sod Operations BMP Manual	Development and rule adoption of manual addressing BMPs for sod operations.	Agricultural BMPs	Completed	2016	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDACS	Private Landowners	NUTRIENT19	Sod Farm Operations	Reduce nutrient loadings from sod farm operations.	Agricultural BMPs	Completed	N/A	N/A	N/A	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT20	BMP Enrollment	Agricultural acreage covered by BMP Notice of Intent (NOI) increased by 1,322.87 ac during reporting period.	Agricultural BMPs	Completed	N/A	TBD	TBD	Upper Ocklawaha Basin	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT09	Silviculture BMP Implementation and Compliance	BMPs for silviculture applied to industrial, public, and private lands. Silviculture BMP implementation and compliance.	Agricultural BMPs	Completed	N/A	N/A	N/A	Upper Ocklawaha Basin silviculture lands	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT10	Statewide BMP Manual for In-ground Nurseries	Development and rule adoption of manual addressing BMPs for in-ground nurseries. Management of agricultural runoff reduces nutrient loadings.	Agricultural BMPs	Completed	Prior to 2007	N/A	N/A	Upper Ocklawaha Basin silviculture lands	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT11	Statewide BMP Manual for Specialty Fruit and Nut Crops	Development and rule adoption of manual addressing BMPs for fruit and nut production. Management of agricultural runoff reduces nutrient loadings.	Agricultural BMPs	Completed	2013	N/A	N/A	Upper Ocklawaha Basin silviculture lands	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT12	Statewide BMP Manual for Citrus	Development and rule adoption of manual addressing BMPs for citrus. Management of agricultural runoff reduces nutrient loadings.	Agricultural BMPs	Completed	2013	N/A	N/A	Upper Ocklawaha Basin silviculture lands	N/A	Not provided	Not provided	Not provided	Not provided	N/A
FDACS	Private Landowners	NUTRIENT01	Ridge Citrus BMP Implementation and Compliance	Replaced with statewide citrus manual.	Agricultural BMPs	Canceled	N/A	N/A	N/A	Upper Ocklawaha Basinwide	N/A	N/A	N/A	N/A	N/A	N/A
FDOT District 5	N/A	LAP14	SR-50 – Basin G	SR 50 from west of Hancock Rd. to East of Turnpike – Basin G. Wet Pond Detention.	Wet Detention Pond	Completed	Not provided	N/A	3	Lake Apopka Basin – FDOT, District 5	15.1	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	LAP15	SR-50 – Basin H	SR 50 from west of Hancock Rd. to East of Turnpike -Basin H. Wet detention pond. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	13	Lake Apopka Basin – FDOT, District 5	18.1	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	LAP16	SR-50 – Basin I	SR 50 from west of Hancock Rd. to East of	Dry Detention Pond	Completed	Not provided	N/A	0	Lake Apopka Basin –	37.9	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Turnpike -Basin I. Dry Detention Pond. No increase in TP load with road improvement.						FDOT, District 5						
FDOT District 5	N/A	LAP30	SR 50 – Basin 1 (L-4)	SR 50 from west of Avalon Rd. to SR 429 (410983-1) – Basin 1 (L-4). Wet detention pond. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	12	Lake Apopka Basin – FDOT District 5	24.4	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	LAP31	SR 50 – Basin 2 (L-7)	SR 50 from West of Avalon Rd. to SR 429 (410983-1) – Basin 2 (L-7). Wet detention pond. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	16	Lake Apopka Basin – FDOT District 5	25.4	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	LAP32	SR 50 – Basin 3 (M-10/11)	SR 50 from west of Avalon Rd. to SR 429 (410983-1) – Basin 3 (M-10/11). Wet detention pond. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	27	Lake Apopka Basin – FDOT District 5	37.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	LAP33	SR 50 – Basin 4 (N-2)	SR 50 from west of Avalon Rd. to SR 429 (410983-1) – Basin 4 (N-2). Wet detention pond. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	2	Lake Apopka Basin – FDOT District 5	11.2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	LAP36	FM:239535-2	SR 50. Add lanes from east ramps of Turnpike to Avalon Rd., and wet detention ponds A and B providing treatment for runoff from existing and proposed pavement.	Wet Detention Pond	Completed	Not provided	N/A	7	Lake Apopka Basin – FDOT District 5	10.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	LAP37	FM: 409870-1	Add lanes from US Hwy. 441 to SR 44, dry retention pond 100, and wet detention pond 200 providing treatment for runoff generated from existing and new pavement.	Wet Detention Pond, Retention BMP	Canceled	N/A	N/A	N/A	Lake Apopka Basin – FDOT District 5	N/A	N/A	N/A	N/A	N/A	N/A
FDOT District 5	N/A	DOT01-LAP	FDOT Street Sweeping (E5Q71 Contract No)	Removal of debris and sediment from state-maintained roadways (US Hwy. 27, US Hwy. 441, SR 44, SR 19, SR 50).	Street Sweeping	Completed	N/A	82	53	Lake Apopka Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A

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FDOT District 5	N/A	DOT03-LAP	Fertilizer Cessation	Elimination of bulk fertilizer contracts. Reduction of TN/TP from elimination of fertilizer use along state highway system (US Hwy. 27, US Hwy. 441, SR 44, SR 19, SR 50).	Fertilizer Cessation	Completed	N/A	2,607	2,607	Lake Apopka Basin – FDOT District 5 maintained roads	179.6	N/A	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT01-CARL	FDOT -Sweeping (E5Q71 Contract No)	Removal of debris and sediment from state-maintained roadways.	Street Sweeping	Completed	N/A	0	0	Lake Carlton Basin – FDOT District 5	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT02-CARL	FDOT Swale Maintenance	Removal of debris and sediment from state-maintained roadways	BMP Clean Out	Completed	N/A	3	0	Lake Carlton Basin – FDOT District 5	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT03-CARL	Fertilizer Cessation	Elimination of bulk fertilizer contracts. Reduction of TN/TP from elimination of fertilizer use along state highway system.	Fertilizer Cessation	Completed	N/A	206	206	Lake Carlton Basin – FDOT District 5	14.2	N/A	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT04-CARL	Education and Outreach Activities	Informational pamphlets and illicit discharge notification.	Education Efforts	Completed	N/A	N/A	0	Lake Carlton Basin – FDOT District 5	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DORA04	SR 500 US Hwy. 441 – Basin 300A	US Hwy. 441 from Lake Eustis Dr. to CR 44B Basin 300A. Exfiltration trench. No increase in TP with road improvement.	Exfiltration Trench	Completed	2007	N/A	3	Lake Dora Basin – FDOT District 5	2.5	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DORA05	SR 500/US Hwy. 441 – Basins 300 A, B, C, D	US Hwy. 441 from Lake Eustis Dr. to CR 44B – Basin 300A, B, C, and D. Lakes Saunders and Woodward.	Not provided	Completed	2007	N/A	11	Lake Dora Basin – FDOT District 5	11.0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DORA09	SR 19 in Tavares – System 1	SR 19 from 1.9 mi south of US 441 to US 441 – System 1 (Basins 1-4). Wet detention pond.	Wet Detention Pond	Completed	Prior to 2007	N/A	2	Lake Dora Basin – FDOT District 5	86.2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DORA10	SR 19 in Tavares – System II	SR 19 from 1.9 mi south of US Hwy. 441 to US Hwy. 441 – System II (Basins 1 and 2). Wet pond detention. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Prior to 2007	N/A	1	Lake Dora Basin – FDOT District 5	25.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DORA11	SR 19 in Tavares – System III	SR 19 from 1.9 mi south of US Hwy. 441 to US 441 – System III (Basins 1 and 2). Wet pond detention. No increase in	Wet Detention Pond	Completed	Prior to 2007	N/A	8	Lake Dora Basin – FDOT District 5	32.2	Not provided	Not provided	Florida Legislature	Not provided	N/A

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				TP load with road improvement.												
FDOT District 5	N/A	DOT01-DORA	FDOT Street Sweeping (E5Q71 Contract No)	Removal of debris and sediment from state-maintained roadways.	Street Sweeping	Completed	N/A	50	32	Lake Dora Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT03-DORA	Fertilizer Cessation	Elimination of bulk fertilizer contracts. Reduction of TN/TP from elimination of fertilizer use along state highway system.	Fertilizer Cessation	Completed	N/A	96	96	Lake Dora Basin – FDOT District 5 maintained roads	6.6	N/A	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT04-DORA	Education and Outreach Activities	Informational pamphlets and illicit discharge notification.	Education Efforts	Completed	N/A	N/A	0	Lake Dora Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	EUS14	SR 500/ US Hwy. 441 – Basin A	US Hwy. 441 from 0.2 mi west of Lake Shore Blvd. to Lake Eustis Dr. – Basin A. Wet pond detention. No increase in TP with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	26	Lake Eustis Basin – FDOT District 5	29.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	EUS15	SR 500/ US Hwy. 441 – Basin C	US Hwy. 441 from 0.2 mi west of Lake Shore Blvd. to Lake Eustis Dr. – Basin C. Wet pond detention. No increase in TP with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	4	Lake Eustis Basin – FDOT District 5	9.7	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	EUS16	SR 500/ US Hwy. 441 – Basin D	US Hwy. 441 from 0.2 mi west of Lake Shore Blvd. to Lake Eustis Dr. Wet pond detention. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	1	Lake Eustis Basin – FDOT District 5	11.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	EUS17	SR 500/ US Hwy. 441 – Basin E	US Hwy. 441 from 0.2 mi west of Lake Shore Blvd. to Lake Eustis Dr. – Basin E. Wet pond detention. No increase in TP with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	15	Lake Eustis Basin – FDOT District 5	21.0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	EUS18	SR 500/ US Hwy.441 – System C	US Hwy. 441 from 4.0 mi southwest of College Dr. to Lake Shore Blvd. — System C. Wet pond detention. No increase in	Wet Detention Pond	Completed	Not provided	N/A	21	Lake Eustis Basin – FDOT District 5	31.7	Not provided	Not provided	Florida Legislature	Not provided	N/A

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				TP with road improvement.												
FDOT District 5	N/A	EUS19	SR 19 in Tavares – System IV	US Hwy. 441 from 4.0 mi southwest of College Dr. to Lake Shore Blvd. — System IV (Basin 2). Wet pond detention. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	10	Lake Eustis Basin – FDOT District 5	14.4	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	EUS20	SR 500/ US Hwy. 441	US Hwy. 441 from Lake Eustis Dr. to CR 44B. Wet pond detention. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	2	Lake Eustis Basin – FDOT District 5	4.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	EUS21	SR 500/ US Hwy. 441	US Hwy. 441 from Lake Eustis Dr. to CR 44B. Wet pond detention. No increase in TP with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	3	Lake Eustis Basin – FDOT District 5	7.7	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	EUS22	SR 500/US Hwy. 441 – System D	US Hwy. 441 from 4.0 mi southwest of College Dr. to Lake Shore Blvd. System D. No detention. No increase in TP load with road improvement.	Not provided	Completed	Not provided	N/A	2	Lake Eustis Basin – FDOT District 5	7.1	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT01-EUS	FDOT Street Sweeping (E5Q71 Contract No)	Removal of debris and sediment from state-maintained roadways.	Street Sweeping	Completed	N/A	206	132	Lake Eustis Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT04-EUS	Education and Outreach Activities	Informational pamphlets and illicit discharge notification.	Education Efforts	Completed	N/A	N/A	0	Lake Eustis Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	GRIF13	SR 500/ US Hwy. 441 – Basin 100	US Hwy. 441 from west of Griffin Rd. to east of Perkins St. – Basin 100. Wet pond detention. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	55	Lake Griffin Basin – FDOT District 5	37.0	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	GRIF14	SR 500/ US Hwy. 441 – Basin 200	US Hwy. 441 from west of Griffin Rd. to east of Perkins St. – Basin 200. Wet pond detention. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	74	Lake Griffin Basin – FDOT District 5	74.3	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	GRIF15	SR 500/ US Hwy. 441 – Basin 2	SR 500/US Hwy. 441 Leesburg – Basin 2. No	Wet Detention Pond	Completed	Not provided	N/A	10	Lake Griffin Basin – FDOT District 5	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A

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				increase in TP load with road improvement.												
FDOT District 5	N/A	GRIF24	SR 500/ US Hwy. 441 – Basin D	SR 500 (US Hwy. 441) from Martin Luther King to Lake Ella Rd. – Basin D (238395-4). Wet detention. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	15	Lake Griffin Basin – FDOT District 5	31.7	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	GRIF25	SR 500/ US Hwy. 441 – Basin C	Lake Griffin, SR 500 (US Hwy. 441) from Martin Luther King to Lake Ella Rd. – Basin C (238395-4). Wet detention. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	8	Lake Griffin Basin – FDOT District 5	13.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	GRIF26	SR 500/ US Hwy. 441 – Basin E	Lake Griffin, SR 500 (US Hwy. 441) from Martin Luther King to Lake Ella Rd. Basin E (238395-4). Dry retention. No increase in TP load with road improvement.	Retention BMP	Completed	Not provided	N/A	8	Lake Griffin Basin – FDOT District 5	9.9	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT01-GRIF	FDOT Street Sweeping (E5Q71 Contract No)	Removal of debris and sediment from state-maintained roadways.	Street Sweeping	Completed	N/A	88	57	Lake Griffin Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT04-GRIF	Education and Outreach Activities	Informational pamphlets and illicit discharge notification.	Education Efforts	Completed	N/A	N/A	0	Lake Griffin Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	HAR04	SR 500/ US Hwy. 441 – System A	Lake Harris, US Hwy. 441 from 4.0 mi southwest of College Dr. to Lake Shore Blvd. System A. Dry retention pond. No increase in TP load with road improvement.	Retention BMP	Completed	Not provided	N/A	13	Lake Harris Basin – FDOT District 5	17.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	HAR05	SR 500/ US Hwy. 441 – System B1	Lake Harris, US Hwy. 441 from 4.0 mi southwest of College Dr. to Lake Shore Blvd. System B1. Dry retention pond. No increase in TP with road improvement.	Retention BMP	Completed	Not provided	N/A	18	Lake Harris Basin – FDOT District 5	18.8	Not provided	Not provided	Florida Legislature	Not provided	N/A

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FDOT District 5	N/A	HAR06	SR 500/ US Hwy. 441 – System B2	Lake Harris. US Hwy. 441 from 4.0 mi southwest of College Dr. to Lake Shore Blvd. – System B2. Wet pond detention. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	10	Lake Harris – FDOT District 5	32.2	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	HAR07	SR 500/ US Hwy. 441 – Basin 1	Lake Harris, SR 500 – US Hwy. 441 Leesburg – Basin 1. No increase in TP load with road improvement.	Not provided	Completed	Not provided	N/A	13	Lake Harris Basin – FDOT District 5	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	HAR08	SR 500/ US Hwy. 441 – Basin 3	Lake Harris, SR 500 – US Hwy. 441 Leesburg – Basin 3. No increase in TP load with road improvement.	Not provided	Completed	Not provided	N/A	11	Lake Harris Basin – FDOT District 5	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	HAR09	SR 500/ US Hwy. 441 – Basin 4	Lake Harris, SR 500 – US Hwy. 441 Leesburg – Basin 4. No increase in TP with road improvement.	Not provided	Completed	Not provided	N/A	4	Lake Harris Basin – FDOT District 5	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	HAR10	SR 500/ US Hwy. 441 – Basin 5	Lake Harris, SR 500 – US Hwy. 441 Leesburg – Basin 5. No increase in TP with road improvement.	Not provided	Completed	Not provided	N/A	22	Lake Harris Basin – FDOT District 5	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	HAR11	SR 500 /US 441 – Basin 6	Lake Harris, SR 500 – US Hwy. 441 Leesburg – Basin 6. No increase in TP with road improvement.	Not provided	Completed	Not provided	N/A	5	Lake Harris Basin – FDOT District 5	Not provided	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT01-HAR	FDOT Street Sweeping (E5Q71 Contract No)	Removal of debris and sediment from state-maintained roadways.	Street Sweeping	Completed	N/A	164	105	Lake Harris Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT03-HAR	Fertilizer Cessation	Elimination of bulk fertilizer contracts. Reduction of TN/TP from elimination of fertilizer use along state highway system.	Fertilizer Cessation	Completed	N/A	819	819	Lake Harris Basin – FDOT District 5 maintained roads	56.4	N/A	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT03-LLHAR	Fertilizer Cessation	Elimination of bulk fertilizer contracts. Reduction of TN/TP from elimination of fertilizer use along state highway	Fertilizer Cessation	Completed	N/A	189	189	Lake Harris Basin – FDOT District 5 maintained roads	13.0	N/A	N/A	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				system in Little Lake Harris Basin.												
FDOT District 5	N/A	DOT04-HAR	Education and Outreach Activities	Informational pamphlets and illicit discharge notification.	Education Efforts	Completed	N/A	N/A	1	Lake Harris Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT01-YALE	FDOT Street Sweeping (E5Q71 Contract No)	Removal of debris and sediment from state-maintained roadways.	Street Sweeping	Completed	N/A	12	8	Lake Yale Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT02-YALE	FDOT Swale Maintenance	Removal of debris and sediment from state-maintained roadways	BMP Clean Out	Completed	N/A	33	4	Lake Yale Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT03-YALE	Fertilizer Cessation	Elimination of bulk fertilizer contracts. Reduction of TN/TP from elimination of fertilizer use along state highway system.	Fertilizer Cessation	Completed	N/A	463	463	Lake Yale Basin – FDOT District 5 maintained roads	31.9	N/A	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT04-YALE	Education and Outreach Activities	Informational pamphlets and illicit discharge notification.	Education Efforts	Completed	N/A	N/A	0	Lake Yale Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	PAL14	US Hwy. 27 – Basin 1	US Hwy. 27 from US Hwy. 192 to North Boggy Marsh Rd. – Basin 1. Wet pond detention. No increase in TP load with road improvement.	Wet Detention Pond	Completed	Not provided	N/A	13	Palatlakaha River Basin – FDOT District 5	77.6	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT01-PAL	FDOT Street Sweeping (E5Q71 Contract No)	Removal of debris and sediment from state-maintained roadways.	Street Sweeping	Completed	N/A	57	37	Palatlakaha River Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT03-PAL	Fertilizer Cessation	Elimination of bulk fertilizer contracts. Reduction of TN/TP from elimination of fertilizer use along state highway system.	Fertilizer Cessation	Completed	N/A	1,437	1,437	Palatlakaha River Basin – FDOT District 5 maintained roads	99.0	N/A	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT04-PAL	Education and Outreach Activities	Informational pamphlets and illicit discharge notification.	Education Efforts	Completed	N/A	N/A	0	Palatlakaha River Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
FDOT District 5	N/A	DOT01-TROUT	FDOT Street Sweeping (E5Q71 Contract No)	Removal of debris and sediment from state-maintained roadways.	Street Sweeping	Completed	N/A	37	24	Trout Lake Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT02-TROUT	FDOT Swale Maintenance	Removal of debris and sediment from state-maintained roadways swales	BMP Clean Out	Completed	N/A	39	5	Trout Lake Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT03-TROUT	Fertilizer Cessation	Elimination of bulk fertilizer contracts. Reduction of TN/TP from elimination of fertilizer use along state highway system.	Fertilizer Cessation	Completed	N/A	502	502	Trout Lake Basin – FDOT District 5 maintained roads	34.5	N/A	N/A	Florida Legislature	Not provided	N/A
FDOT District 5	N/A	DOT04-Trout	Education and Outreach Activities	Informational pamphlets and Illicit discharge notification.	Education Efforts	Completed	N/A	N/A	0	Trout Lake Basin – FDOT District 5 maintained roads	N/A	Not provided	Not provided	Florida Legislature	Not provided	N/A
Howey-in-the Hills	LCWA	HAR27	Baffle Box	Nutrient-removing baffle box installed in urban area of city bordering Little Lake Harris.	Baffle Box	Completed	Not provided	N/A	11	Lake Harris Basin – Howey-in-the-Hills	Not provided	Not provided	Not provided	LCWA Grant	Not provided	N/A
Howey-in-the Hills	N/A	HHILL01	Education	Education outreach assigned 1 % credit for meeting MS4 permit requirements.	Education Efforts	Completed	N/A	N/A	1	Lake Harris Basin – Howey-in-the-Hills	N/A	Not provided	Not provided	Howey-in-the Hills Public Services	Not provided	N/A
Lake County	N/A	ABC02	Lois Dr. Baffle Box	Baffle box included with drainage improvements.	Baffle Box	Completed	2005	0	0	Lake Apopka Basin – Lake County	7.0	\$150,000	Not provided	County Stormwater Assessment	\$150,000	N/A
Lake County	N/A	LAP01	Apopka Basin Development Guidelines, Contained in County Land Development Regulations	Lake County portion of Lake Apopka Watershed including Johns Lake. Apopka Basin Development Guidelines, contained within Lake County Land Development Regulations. Provides groundwater and surface water protection.	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	Lake Apopka Basin – Lake County	N/A	Not provided	Not provided	Not provided	Not provided	Not provided
Lake County	SJRWMD	LAP02	Lake Apopka Basin Drainage Inventory	Lake Apopka Basin drainage inventory, per Lake County Stormwater Program. Precursor to stormwater retrofit or restoration activities. BCI contracted to assess and	Study	Completed	2002	N/A	N/A	Lake Apopka Basin – Lake County	N/A	\$25,135	N/A	SJRWMD/ County Stormwater Assessment	SJRWMD Cost-Share Grant – \$12,567 County Stormwater Assessment – \$12,568	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				inventory stormwater management features and outfalls and delineate drainage subbasins.												
Lake County	Orange County/ LCWA	LAP04	Johns Lake Stormwater Master Plan	Orange and Lake Counties' stormwater programs stormwater master plan. Part of Lake Apopka drainage basin inventory. Johns Lake master plan was joint project between Orange County, Lake County, and LCWA. Inventory of stormwater outfalls (type, condition, location, amount of discharge) that discharge to lake to determine nonpoint sources of pollution. Johns Lake Watershed covers area of 39 square mi between Lake and Orange Counties.	Study	Completed	2003	N/A	N/A	Lake Apopka Basin – Lake County	N/A	\$250,000	N/A	Lake County Stormwater Assessment/ Orange County/ LCWA	Lake County Stormwater Assessment – \$24,958 Orange County – 200,000 LCWA – \$25,001	N/A
Lake County	N/A	LAP27	Montverde Boat Ramp Swale Improvement	Improvements made to swale system.	Swale	Canceled	N/A	N/A	N/A	Lake Apopka Basin – Lake County	N/A	\$100,000	N/A	N/A	N/A	N/A
Lake County	N/A	LAP28	Shore Dr. and Lake Blvd. – Johns Lake Retrofit	Exfiltration and outfall improvements.	Exfiltration Trench	Completed	2008	N/A	Not provided	Lake Apopka Basin – Lake County	Not provided	\$100,000	Not provided	County Stormwater Assessment	\$100,000	N/A
Lake County	N/A	LC05-LAP	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is an outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	TBD	Lake Apopka Basin – Lake County	N/A	Not provided	\$12,000	County	Not provided	N/A
Lake County	N/A	LC09-LAP	Catch Basin and Pipe Cleaning	Lake County proactively cleans stormwater manholes and pipes to remove accumulated sediments and nutrients to reduce discharge to receiving waterbodies. Project aids in reduction of sediment and TSS and nutrient loading to	BMP Clean Out	Completed	N/A	Not provided	Not provided	Lake Apopka Basin – Lake County	N/A	N/A	\$35,000	County Road Operations Fund	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				waterbodies throughout county.												
Lake County	N/A	LC05-BCL	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	10	Lake Beauclair Basin – Lake County countywide program	N/A	Not provided	\$12,000	County	Not provided	N/A
Lake County	N/A	LC05-CARL	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	1	Lake Carlton Basin – Lake County countywide program	N/A	Not provided	\$12,000	County	Not provided	N/A
Lake County	N/A	LC09-CARL	Catch Basin and Pipe Cleaning	Lake County proactively cleans stormwater manholes and pipes to remove accumulated sediments and nutrients to reduce discharge to receiving waterbodies. Project aids in reduction of sediment and TSS and nutrient loading to waterbodies throughout county.	BMP Clean Out	Completed	N/A	6	3	Lake Carlton Basin – Lake County countywide program	N/A	N/A	\$35,000	County Road Operations Fund	Not provided	N/A
Lake County	N/A	DORA14	Lakes Dora, Beauclair, and Carlton Basin Study	Lake Carlton Basin drainage evaluation, per county's stormwater program. Precursor to stormwater retrofit and restoration activities.	Study	Completed	2009	N/A	N/A	Lake Carlton, Lake Beauclair, and Lake Dora Basins – Lake County	N/A	\$200,000	N/A	County Stormwater Assessment	\$200,000	N/A
Lake County	N/A	LC05-DEN	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	4	Lake Denham Basin – Lake County	N/A	Not provided	\$12,000	County	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Lake County	N/A	DORA01	Lake Dora Ave. Improvement Project	Failing infrastructure replacement and improvement. Failing infrastructure – twin corrugated metal pipes in residential yard. Pipes were part of stormwater conveyance system discharging untreated runoff from Old Hwy. 441. CDS unit removes sediments and particulates. Pollutants targeted were organic matter (tree litter) and sediment fines.	CDS Unit	Completed	2003	N/A	N/A	Lake Dora Basin – Lake County	7.5	\$127,910	Not provided	County Stormwater Assessment	\$127,910	N/A
Lake County	N/A	DORA03	Old Hwy 441 and Lake Dora	Deteriorating ditch and pipe system discharged stormwater from Old Hwy 441 to Lake Dora from north side of Lakeshore Dr. Upgrade of inlets and construction of wet detention pond to treat highway runoff. Reduce stormwater inputs to Lake Dora.	Wet Detention Pond	Completed	2003	N/A	Not provided	Lake Dora Basin – Lake County	N/A	\$200,000	Not provided	County Stormwater Assessment	\$200,000	N/A
Lake County	N/A	DORA15	Lake Saunders Flood Study	Priority project identified from Lake Dora Basin study.	Study	Completed	2009	N/A	N/A	Lake Dora Basin – Lake County	N/A	\$43,102	N/A	County Stormwater Assessment	\$43,102	N/A
Lake County	N/A	DORA18	Vincent Dr. Drainage Improvement	Lake Dora Basin.	Not provided	Completed	2008	N/A	Not provided	Lake Dora Basin – Lake County	N/A	\$10,553 (construction)	Not provided	County Stormwater MSTU	\$10,553 (construction)	N/A
Lake County	Not provided	DORA34	Hwy 441 and Hwy 46 Stormtech Installation	Installed StormTech system: 100 LF in-line arrangements with "Isolator Rows" at each end for maintenance.	Retention BMP	Completed	2010	N/A	Not provided	Lake Dora Basin – Lake County	Not provided	Not provided	Not provided	Not provided	Not provided	Not provided
Lake County	N/A	DORA43	Lake Saunders Outfall Improvements	Project addressed deteriorating pipe, ditch and outfall from Lake Saunders to Lake Dora. Pipe upsizing reduced flood stage in Lake Saunders. Ditch improvements included raised ditch block area to provide treatment area. Project also included drainage improvements for commercial area	Hydrologic Restoration	Completed	2015	N/A	N/A	Lake Dora Basin – Lake County	N/A	\$775,000	Not provided	County Stormwater MSTU	\$775,000	N/A

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				adjacent to Bay Rd. that previously had no treatment and caused drainage complaints.												
Lake County	N/A	LC05-DORA	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	41	Lake Dora Basin – Lake County countywide program	N/A	Not provided	\$12,000	County	Not provided	N/A
Lake County	N/A	LC09-DORA	Catch Basin and Pipe Cleaning	Lake County proactively cleans stormwater manholes and pipes to remove accumulated sediments and nutrients to reduce discharge to receiving waterbodies. Project aids in reduction of sediment and TSS and nutrient loading to waterbodies throughout county.	BMP Clean Out	Completed	N/A	93	57	Lake Dora Basin – Lake County countywide program	N/A	N/A	\$35,000	County Road Operations Fund	Not provided	N/A
Lake County	LCWA, DEP	EUS02	Haynes Creek Park Retrofit	Haynes Creek Park located on South Haynes Creek Rd. near Ocklawaha Rd. Dry retention pond and 400 ft of retention ditches with ditch blocks along South Haynes Creek Rd. Site is county park in single-family residence neighborhood. Park captures runoff from 8.2-ac watershed via South Haynes Creek Rd..	Retention BMP	Completed	2004	N/A	6	Lake Eustis Basin – Lake County	8.2	\$109,685	Not provided	County Stormwater Assessment/DEP	County Stormwater Assessment/ LCWA – 50 %, DEP – 50 %	Not provided
Lake County	N/A	EUS04	Lakes Eustis and Silver Lake Drainage Evaluation	Lake Eustis and Silver Lake Basins. Drainage evaluation, per county's stormwater program. Precursor to stormwater retrofit and restoration activities. Inventory of stormwater outfalls (type, condition, location, amount of discharge) that discharge to lakes.	Study	Completed	Prior to 2007	N/A	N/A	Lake Eustis Basin – Lake County	N/A	\$184,000	N/A	County Stormwater Assessment	\$184,000	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Lake County	N/A	EUS26	Lakeshore Drainage Improvement	Lake Eustis Basin.	Not provided	Completed	2010	14	2	Lake Eustis Basin – Lake County	Not provided	\$872,981	Not provided	County Stormwater MSTU	\$872,981	N/A
Lake County	N/A	LC05-EUS	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is an outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	93	Lake Eustis Basin – Lake County countywide program	N/A	Not provided	\$12,000	County	Not provided	N/A
Lake County	N/A	LC09-EUS	Catch Basin and Pipe Cleaning	Lake County proactively cleans stormwater manholes and pipes to remove accumulated sediments and nutrients to reduce discharge to receiving waterbodies. Project aids in reduction of sediment and TSS and nutrient loading to waterbodies throughout county.	BMP Clean Out	Completed	N/A	6	3	Lake Eustis Basin – Lake County countywide program	N/A	N/A	\$35,000	County Road Operations Fund	Not provided	N/A
Lake County	SJRWMD	EUS25	Pine Meadows Restoration Area	Lake County Parks and Trail Division. Muck farm is east of Trout Lake and discharges to Hicks Ditch. Reduce TP loadings from former muck farm. Restore aquatic, wetland, and riverine habitat. Reduce nutrient outflow to feasible level of 1.1 kilograms per hectare per year (kg/ha/yr) of TP or 1 lb/ac. If TP discharge target is not met, consider chemical treatment of soil (alum) to bind phosphates. Trout Lake is tributary to Lake Eustis. Reduction in nutrient loading benefits both Lake Eustis and Trout Lake.	Wetland Restoration	Completed	2014	N/A	1,487	Lake Eustis Basin – Lake County Parks	1,171.0	Not provided	Not provided	County/ SJRWMD	Not provided	N/A
Lake County	DEP	GRIF04	Lake Griffin Basin Drainage Evaluation	Lake Griffin Basin. Drainage evaluation, per county stormwater	Study	Completed	2003	N/A	N/A	Lake Griffin Basin – Lake County	N/A	\$92,410	N/A	County Public Works/ DEP	County Public Works – 50 % DEP – 50 %	Not provided

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				program. Inventory of stormwater outfalls (type, condition, location, amount of discharge) that discharge to lakes. Precursor to stormwater retrofit and restoration activities. BCI contracted to assess and inventory stormwater management features and outfalls, delineate drainage subbasins, estimate and prioritize pollutant loads by subbasin, and develop conceptual projects that address pollutant load reductions.												
Lake County	LCWA	GRIF05	Lazy Oaks Retrofit	Lazy Oaks community located on western side of Lake Griffin, on shore of lake. Lake Griffin basin retrofit projects. Exfiltration trench. Rental cottages in Lazy Oak community and single-family residential development on western side of Lake Griffin. Steep slopes convey stormwater as sheet flow over paved surface within Lazy Oaks. Adjacent subdivision with fairly large lots. Stormwater from 4-ac area conveyed by roadside swales to 12-in outfall pipe into Lake Griffin. Exfiltration system will retain 80 % of annual runoff volume, corresponding to 0.28 to 0.45 in of runoff volume. 490 ft of exfiltration trench proposed.	Exfiltration Trench	Completed	2004	N/A	19	Lake Griffin Basin – Lake County	8.0	\$109,685	Not provided	County Stormwater Assessment/ Florida Legislature/ LCWA	County Public Works/ LCWA – 50 % DEP – 50 %	Not provided
Lake County	LCWA	GRIF06	Griffwood Community Retrofit	Griffwood Community Mobile Home Park located on western side of Lake Griffin. Lake Griffin Basin retrofit projects. Exfiltration	Exfiltration Trench	Completed	2004	N/A	33	Lake Griffin Basin – Lake County	9.0	\$109,685	Not provided	County Stormwater Assessment/ Florida Legislature/ LCWA	County Public Works/ LCWA – 50 % DEP – 50 %	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				trench. Site has steep slopes and dense development. Exfiltration with drainage inlets located in roadway at bottom of hill. Exfiltration system designed to treat first half-inch of runoff, which represents 76 % of annual runoff volume. System comprises 440 ft of 3-ft exfiltration system.												
Lake County	LCWA	GRIF07	Brittany Estates Retrofit	<p>Brittany Estates Mobile Home Park community located on southern side of Lake Griffin. Lake Griffin basin retrofit project. Exfiltration trench and expansion of existing retention pond.</p> <p>Densely populated mobile home park with steep slopes. Existing dry detention pond at bottom of hill that overflowed during heavy storms. Roads have inverted crown configuration that convey stormwater. Exfiltration system and larger dry detention pond to treat runoff. Exfiltration will treat first half-inch of runoff from 4.65-ac upper contributing basin, representing 76 % of annual runoff volume. 221 ft of 3-ft exfiltration pipe. Lower 5.1-ac basin fitted with 240 ft of 3-ft exfiltration pipe. Shallow berm along Lake Griffin to direct runoff to larger redesigned dry detention pond. Existing 6-in outfall pipe replaced with control structure, headwall, and new pipe.</p>	Exfiltration Trench	Completed	2005	N/A	13	Lake Griffin Basin – Lake County	10.0	\$109,685	Not provided	County Stormwater Assessment/ Florida Legislature/ LCWA	County Public Works/ LCWA – 50 % DEP – 50 %	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Lake County	N/A	GRIF16	Picciola Rd. Ditches	Picciola Rd. – unincorporated Lake County. Recontouring of ditches. Addition of ditch blocks.	Hydrologic Restoration	Completed	Not provided	N/A	N/A	Lake Griffin Basin – Lake County	N/A	\$150,000	Not provided	County Stormwater Assessment	Lake County – \$150,000	N/A
Lake County	N/A	GRIF17	Harbor Oaks Retrofit	Exfiltration system installed.	Exfiltration Trench	Completed	2010	N/A	Not provided	Lake Griffin Basin – Lake County	Not provided	\$200,000	Not provided	County Stormwater Assessment	County – \$200,000	N/A
Lake County	N/A	GRIF18	Lakeside Village Retrofit	Underdrain system placed in recontoured ditches located along shoreline.	Retention BMP	Completed	2007	N/A	Not provided	Lake Griffin Basin – Lake County	Not provided	\$400,000	Not provided	County Stormwater Assessment	County – \$400,000	N/A
Lake County	N/A	GRIF20	Lake Griffin Marina Improvements	Lake Griffin Marina. Swale improvements planned.	Swale	Canceled	N/A	N/A	N/A	Lake Griffin Basin – Lake County	N/A	\$150,000	N/A	N/A	N/A	N/A
Lake County	LCWA	GRIF21	CR 466B Swale Improvements	Swale improvements planned for 2004.	Swale	Completed	Not provided	N/A	Not provided	Lake Griffin Basin – Lake County	Not provided	\$100,000	Not provided	County Stormwater Assessment/ LCWA/ Florida Legislature	County Stormwater Assessment – 50 %, LCWA – 35 % Legislature – 4 %	N/A
Lake County	LCWA/ DEP	GRIF22	Mid-Florida Lakes Mobile Home Park Retrofit	Exfiltration trenches. Exfiltration trench will operate as offline retention system.	Exfiltration Trench	Completed	2005	N/A	42	Lake Griffin Basin – Lake County	11.5	\$390,000	Not provided	County Stormwater Assessment/ DEP	Not provided	Not provided
Lake County	N/A	LC05-GRIF	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	62	Lake Griffin Basin – Lake County countywide program	N/A	Not provided	\$12,000	County	Not provided	N/A
Lake County	N/A	LC09-GRIF	Catch Basin and Pipe Cleaning	Lake County proactively cleans stormwater manholes and pipes to remove accumulated sediments and nutrients to reduce discharge to receiving waterbodies. Project aids in reduction of sediment and TSS and nutrient loading to waterbodies throughout county.	BMP Clean Out	Completed	N/A	14	9	Lake Griffin Basin – Lake County countywide program	N/A	N/A	\$35,000	County Road Operations Fund	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Lake County	SJRWMD	HAR12	Lake Harris and Little Lake Harris Basin Study	Lake Harris and Little Lake Harris drainage evaluation, per county stormwater program. Precursor to stormwater retrofit and restoration activities.	Study	Completed	2009	N/A	N/A	Lake Harris Basin – Lake County	N/A	\$200,000	N/A	County Stormwater Assessment/SJRWMD	Not provided	N/A
Lake County	SJRWMD	HAR13	Hollondel Rd. Stormwater Pond	Stormwater pond. SJRWMD is assisting with purchase of property. Design of pond is next step.	Not provided	Completed	2009	N/A	150	Lake Harris Basin – Lake County	125.0	\$956,000	Not provided	County Stormwater Assessment/SJRWMD	Not provided	N/A
Lake County	Lake County Public Lands	HAR14	Dead River Rd. Stormwater Park	Stormwater park. Lake County Public Works is partnering with Public Lands to purchase property.	Not provided	Completed	2010	N/A	38	Lake Harris Basin – Lake County	46.4	\$1,600,000 (construction)	Not provided	County Stormwater MSTU	Not provided	N/A
Lake County	N/A	HAR15	Porto Bello Ave. Drainage Improvements	Drainage improvements and installation of CDS water quality unit.	CDS Unit	Completed	2009	N/A	4	Lake Harris Basin – Lake County	9.0	\$171,567	Not provided	County Stormwater MSTU	Not provided	N/A
Lake County	N/A	HAR16	Orange Ave. Drainage Improvements	Drainage improvements and installation of CDS water quality unit.	CDS Unit	Completed	2009	N/A	5	Lake Harris Basin – Lake County	12.0	\$154,274	Not provided	County Stormwater MSTU	Not provided	N/A
Lake County	DEP	HAR18	Silver Lake	Water quality improvement project – water monitoring, education, removal of invasive species and revegetation. Background and ongoing water monitoring, survey, individual permits issued.	Education Efforts, Exotic Vegetation Removal, Monitoring/Data Collection	Completed	N/A	N/A	N/A	Lake Harris Basin – Lake County	N/A	\$6,000	Not provided	DEP Mitigation Project and Minigrant	Not provided	Not provided
Lake County	SJRWMD	HAR21	Magnolia Lane Water Quality Retrofit	Installation of pipe, manholes, and next generation baffle box with media filtration on existing outfall within portion of Springs Subdivision in Yahala. Will retrofit treatment onto 18-ac basin.	Baffle Box – 2nd Generation with Media	Underway	2017	25	3	Lake Harris Basin – Lake County	18.0	\$500,000	Not provided	Florida Legislature/SJRWMD cost-share	SJRWMD – \$61,500	N/A
Lake County	Not provided	HAR22	Harris Rd. Water Quality Retrofit	Installation of swales with ditch blocks and replacement of existing outfall with next generation nutrient removal baffle box at Harris Rd. and CR 473 in Tavares.	Swale with Blocks or Raised Culverts	Planned	Not provided	N/A	Not provided	Lake Harris Basin – Lake County	7.0	\$100,000	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Lake County	Not provided	HAR23	Country Club Dr. Water Quality Retrofit	Installation of multiple nutrient removal baffle box type structures on existing direct stormwater discharges from Country Club Dr. (Astatula) to Little Lake Harris.	Baffle Box– 2nd Generation	Planned	Not provided	N/A	Not provided	Lake Harris Basin – Lake County	13.0	\$900,000	Not provided	Not provided	Not provided	Not provided
Lake County	N/A	HAR24	Aquatic Vegetation Harvesting – Dead River and Hollondel Ponds	Chemical treatment with physical harvesting and removal of excessive aquatic plants at Dead River and Hollondel Ponds. More than 150 cubic yds of plant material harvested and removed from ponds. Nutrient load in plant matter physically removed from system.	Aquatic Vegetation Harvesting	Completed	2016	N/A	Not provided	Lake Harris Basin – Lake County	10.0	\$15,000	N/A	County Stormwater MSTU	\$15,000	N/A
Lake County	N/A	LC05-HAR	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	88	Lake Harris Basin – Lake County countywide program	N/A	Not provided	\$12,000	County	Not provided	N/A
Lake County	N/A	LC09-HAR	Catch Basin and Pipe Cleaning	Lake County proactively cleans stormwater manholes and pipes to remove accumulated sediments and nutrients to reduce discharge to receiving waterbodies. Project aids in reduction of sediment and TSS and nutrient loading to waterbodies countywide.	BMP Clean Out	Completed	N/A	9	5	Lake Harris Basin – Lake County countywide program	N/A	N/A	\$35,000	County Road Operations Fund	Not provided	N/A
Lake County	N/A	YALE01	Lake Yale Basin Study	Basin study of Lake Yale subbasin. Basin drainage evaluation, per county stormwater program. Precursor to stormwater retrofit and restoration activities. Inwood is performing study for county. Marion County is participating in study by	Study	Completed	2008	N/A	N/A	Lake Yale Basin – Lake County	N/A	\$266,374	N/A	County Stormwater Assessment	\$266,374	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				providing information/data for its part of basin.												
Lake County	N/A	YALE02	Washington Ave. Drainage Improvements	Lake Yale Basin. Project segmented into multiple phases because of costs. Included dirt road paving and conversion of existing bare soil ditch to grassed swale with ditch blocks. Provides 173 tons/yr reduction in sediment load to Lake Yale. Included retrofit of ditch bottom inlets for connected side streets (38-ac urbanized area).	Swale with Blocks or Raised Culverts	Completed	2015	77	12	Lake Yale Basin – Lake County	38.0	\$1,654,186	Not provided	County Stormwater MSTU	\$1,654,186	N/A
Lake County	N/A	YALE03	Old Chisholm Trail Drainage Improvements	Lake Yale Basin.	Not provided	Completed	2008	N/A	Not provided	Lake Yale Basin – Lake County	Not provided	\$182,555	Not provided	County Stormwater MSTU	\$182,555	N/A
Lake County	N/A	LC05-YALE	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	20	Lake Yale Basin – Lake County countywide program	N/A	Not provided	\$12,000	Lake County	Not provided	N/A
Lake County	N/A	LC09-YALE	Catch Basin and Pipe Cleaning	Lake County proactively cleans stormwater manholes and pipes to remove accumulated sediments and nutrients to reduce discharge to receiving waterbodies. Project aids in reduction of sediment and TSS and nutrient loading to waterbodies throughout county.	BMP Clean Out	Completed	N/A	6	3	Lake Yale Basin – Lake County countywide program	N/A	N/A	\$35,000	County Road Operations Fund	Not provided	N/A
Lake County	N/A	PAL01	Septic Tank Land Development Regulations	Green Swamp Area of Critical State Concern. Septic tanks in Green Swamp are required to be pumped every 5 yrs. Land Development Regulation addresses groundwater and surface water protection.	Regulations, Ordinances, and Guidelines	Completed	2016	N/A	N/A	Palatlahaha River Basin – Lake County	N/A	Not provided	Not provided	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Lake County	LCWA/SJRWMD	PAL02	Drainage Evaluation: Lakes Louisa, Minnehaha, and Minneola	Drainage evaluation of basins of Lakes Louisa, Minnehaha and Minneola. Precursor to stormwater retrofit or restoration activities. Stanley Consultants contracted to assess and inventory stormwater management features and outfalls, delineate drainage subbasins, estimate and prioritize pollutant loads by subbasin, and develop conceptual projects that address pollutant load reduction.	Study	Completed	prior to 2007	N/A	N/A	Palatlakaha River Basin – Lake County	N/A	\$164,951	N/A	County/SJRWMD/LCWA	County Stormwater Assessment – \$50,000 SJRWMD – \$50,000 Stormwater Cost-Share Grant; LCWA – \$64,951 Stormwater Grant	N/A
Lake County	Not provided	PAL15	Lake Minneola Shores Ditch Reconstruction	Ditches in Minneola Shores (CR 561A) were recontoured, had paved bottoms removed, and ditch blocks were added. Project provides for capture of runoff and enhanced infiltration.	Hydrologic Restoration	Completed	2004	N/A	N/A	Palatlakaha River Basin – Lake County	N/A	\$200,000	N/A	County Stormwater Assessment	Not provided	Not provided
Lake County	N/A	PAL16	Lakeshore Dr. Clermont Retrofit	Exfiltration system constructed. Required recontouring of ditches and reworking of road shoulder. Project provides for capture of runoff and enhanced infiltration.	Exfiltration Trench	Completed	2005	N/A	Not provided	Palatlakaha River Basin – Lake County	Not provided	\$180,000	Not provided	County Stormwater Assessment	\$180,000	N/A
Lake County	N/A	PAL17	Elbert St. and Virginia St. Swale	Swale and swale blocks added. Project will provide capture of runoff and enhanced infiltration. Elbert St. (Lake Minnehaha) and Virginia St. (Lake Minneola) in Clermont.	Swale with Blocks or Raised Culverts	Completed	2008	N/A	Not provided	Palatlakaha River Basin – Lake County	Not provided	\$100,000	Not provided	County Stormwater Assessment	\$100,000	N/A
Lake County	N/A	PAL21	Lower Palatlakaha River Basin Study	Study of lower reaches of Palatlakaha River and connected lakes. Basin drainage evaluation, per county stormwater program. Precursor to stormwater retrofit and restoration activities.	Study	Completed	2009	N/A	N/A	Palatlakaha River Basin – Lake County	N/A	\$323,211	N/A	County Stormwater Assessment	\$323,211	N/A

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Lake County	Not provided	PAL24	Lake Winona	Water quality improvement project – Water monitoring, education, removal of invasive species, and revegetation. Background and ongoing water monitoring, survey, and individual permits issued.	Education Efforts	Completed	N/A	N/A	N/A	Palatlakaha River Basin – Lake County	N/A	Not provided	\$6,000	General Revenue and Grant	Not provided	N/A
Lake County	N/A	PAL30	Lake Emma Rd. and Lake Emma Estates Water Quality Retrofit	Installation of 3 next-generation nutrient baffle boxes on existing outfalls from Lake Emma Rd. and Lake Emma Estates Subdivision.	Baffle Box – 2nd Generation	Underway	2017	37	4	Palatlakaha River Basin – Lake County	27.0	\$461,500	Not provided	County Stormwater MSTU	\$461,500	N/A
Lake County	N/A	LC05-PAL	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	53	Palatlakaha River Basin – Lake County countywide program	N/A	Not provided	\$12,000	County	Not provided	N/A
Lake County	N/A	LC09-PAL	Catch Basin and Pipe Cleaning	Lake County proactively cleans stormwater manholes and pipes to remove accumulated sediments and nutrients to reduce discharge to receiving waterbodies. Project aids in reduction of sediment and TSS and nutrient loading to waterbodies throughout county.	BMP Clean Out	Completed	N/A	13	8	Palatlakaha River Basin – Lake County countywide program	N/A	N/A	\$35,000	County Road Operations Fund	Not provided	N/A
Lake County	N/A	TROUT05	Trout Lake Basin Study	Basin study of Trout Lake basin. Basin drainage evaluation, per county stormwater program. Precursor to stormwater retrofit and restoration activities. Study is continuation of Lake Eustis Basin study.	Study	Completed	2008	N/A	N/A	Trout Lake Basin – Lake County	N/A	\$130,000	N/A	County Stormwater Assessment	\$130,000	N/A
Lake County	City of Eustis	TROUT06	Getford Rd. Stormwater Park	Trout Lake Basin. Lake County stormwater master plan implementation. Joint project between Lake	Not provided	Completed	Not provided	N/A	143	Trout Lake Basin – Lake County	339.0	\$2,900,000	Not provided	County Stormwater Assessment; City of Eustis	Not provided	N/A

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				County and City of Eustis. Construction of stormwater pond with passive park features.												
Lake County	Not provided	TROUT07	Lake Joanna	Water quality improvement project – Water monitoring, education, removal of invasive species, and revegetation. Background and ongoing water monitoring, survey, and individual permits issued.	Education Efforts	Completed	Not provided	N/A	N/A	Trout Lake Basin – Lake County	N/A	Not provided	\$6,000	Pollution Recovery Trust Fund and mini-grant	Not provided	N/A
Lake County	N/A	LC05-TROUT	Support of Adopt-a-Lake Program	Adopt-a-Lake Program is outreach program to residents of Lake County that enhances knowledge and awareness of stormwater management. Part of MS4 Phase II public education requirement. Replaces WAV Program.	Education Efforts	Completed	N/A	N/A	4	Trout Lake Basin – Lake County countywide program	N/A	Not provided	\$12,000	County	Not provided	N/A
Lake County	SJRWMD	TROUT01	Pine Meadows Restoration Area	Lake County Parks and Trail Division. Muck farm is east of Trout Lake and discharges to Hicks Ditch. Reduce TP loadings from former muck farm. Restore aquatic, wetland, and riverine habitat. Reduce nutrient outflow to feasible level of 1.1 kg/ha/yr of TP or 1 lb/ac. If TP discharge target is not met, consider chemical treatment of soil (alum) to bind phosphates. Trout Lake is tributary to Lake Eustis. Reduction in nutrient loading benefits both Lake Eustis and Trout Lake.	Wetland Restoration	Completed	2014	N/A	726	Trout Lake Basin – Lake County Parks	1,171.0	Not provided	Not provided	County, SJRWMD	Not provided	N/A
Lake County	N/A	LC01	Golf Course Resource Management Plan	Golf course resource management plans are applicable to unincorporated Lake County. They apply to new and existing golf	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	Upper Ocklawaha Basin – unincorporated Lake County	N/A	Not provided	Not provided	County	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				courses. Regulatory approach that will provide protection to groundwater and surface water.												
Lake County	N/A	LC02	Lake County Shoreline Protection Guide	Guide for lakefront land owners on water resource issues, including shoreline protection, stormwater BMPs, erosion, and aquatic plants. Outreach program targeted at county residents. Inform property owners of better land management practices to improve water quality protection.	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	Upper Ocklawaha Basin – unincorporated Lake County	N/A	Not provided	Not provided	County	Not provided	N/A
Lake County	Lake County Stormwater/LCWA	LC03	Water Resource Atlas	Web-based outreach education program focused on water resource issues. Web based outreach program targeted at residents of Lake County, maintained on county website. Objective is to inform residents about water resource issues including TMDLs, stormwater, water quality, etc. Helps to promote good stewardship and wise use of water resources.	Education Efforts	Underway	N/A	N/A	N/A	Upper Ocklawaha Basin – unincorporated Lake County	N/A	\$90,000	Not provided	County	Not provided	N/A
Lake County	LCWA	LC06	Landscaper BMP Training	Education about BMPs for landscapers and those who hire them. Seminar was held in cooperation with Lake County Agriculture Center to educate landscapers about BMP, and BMP brochures were mailed out countywide to landscape companies.	Education Efforts	Completed	Not provided	N/A	N/A	Upper Ocklawaha Basin – unincorporated Lake County	N/A	\$1,277	Not provided	LCWA	\$1,277	N/A
Lake County	N/A	LC07	Targeted Business Sector BMP Education	Site visits to targeted business sectors (automotive service, landscape, and food service) throughout unincorporated Lake	Education Efforts	Completed	N/A	N/A	N/A	Upper Ocklawaha Basin – unincorporated Lake County	N/A	Not provided	\$1,200	Stormwater MSTU	\$1,200	N/A

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				County. Inspection for BMPs to protect stormwater quality and distribution of educational flyers on water quality.												
Lake County	N/A	LC08	Construction Erosion Control-Education and Inspection	Provide DEP Erosion Control Inspector Training and Certification exam to private construction and local government employees through qualified county staffer for free annually. Conduct ongoing site inspections for use of Erosion Control BMPs at all construction sites throughout unincorporated Lake County. Education of contractors and municipal employees on construction erosion control measures.	Education Efforts	Completed	N/A	N/A	N/A	Upper Ocklawaha Basin – unincorporated Lake County	N/A	Not provided	\$1,500	Stormwater MSTU	\$1,500	N/A
LCWA	SJRWMD	ABC01	Nutrient Reduction Facility	Apopka-Beauclair Canal/CC Ranch. Water in Apopka-Beauclair Canal treated offline with alum. Removes phosphorus-containing compounds from Lake Apopka discharge. Reduce loading from Lake Apopka to Lake Beauclair and Apopka-Beauclair Canal.	Regional Stormwater Treatment	Completed	2009	N/A	5,000	Lake Apopka Basin – LCWA	Not provided	\$7,300,000	Not provided	LCWA/ Florida Legislature/ SJRWMD	Not provided	Not provided
LCWA	N/A	DEN01	Lake Denham Muck Farm Buyout	Purchase 563-ac Lake Denham Muck Farm to eliminate 1,100 lbs/yr TP loading.	Wetland Restoration	Underway	2018	N/A	1,100	Lake Denham Basin – LCWA	563.0	\$1,200,000	N/A	LCWA	\$1,200,000	N/A
LCWA	N/A	YALE05	Water Quality Investigation	Lake Yale Watershed. Survey and identify potential nutrient sources not previously evaluated and propose remediation projects.	Study	Completed	Not provided	N/A	N/A	Lake Yale Basin – LCWA	N/A	Not provided	N/A	LCWA	Not provided	N/A
LCWA	Lake County	PAL23	Hooks St. Interlocal Water Quality	Hooks St. in Clermont.	Not provided	Canceled	N/A	N/A	N/A	Palatlahaha River Basin – LCWA	N/A	N/A	N/A	N/A	N/A	N/A

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			Improvement Project													
LCWA	N/A	TROUT09	Water Quality Investigation	Trout Lake Watershed. Survey – Identify potential nutrient sources not previously evaluated and propose remediation projects.	Study	Completed	Not provided	N/A	N/A	Trout Lake Basin – LCWA	N/A	Not provided	N/A	LCWA	Not provided	N/A
LCWA	FWC/ SJRWMD	BCL02	Suction Dredging of Western Lake Beauclair	Western end of Lake Beauclair. Suction dredging to remove 1 million cubic yds of sediment in western end of Lake Beauclair.	Muck Removal/ Restoration Dredging	Completed	2013	Not provided	Not provided	Within Lake Beauclair – LCWA	130.0	\$9,300,000	N/A	FWC/ LCWA/ SJRWMD	Not provided	N/A
Marion County	Marion County Stormwater Section	GRIF28	WMP	Marion County portion of Lake Griffin. WMPs will be completed countywide and are used to identify and address Marion County water quality issues. WMPs will include creation and maintenance of comprehensive geodatabase for Marion County storm sewer system data, watershed boundaries, and hydrologic features countywide. WMP for Lake Griffin has been initiated. Digital elevation model, watershed evaluation, modeling parameterization, model development and verification, and floodplain analysis and delineation have been completed. Remaining work, Floodplain Level of Service, Surface Water Resource Assessment Report, and Capital Projects Report are scheduled for FY 2018–19, 2019–20, and 2020–21, respectively.	Study	Completed	2021	N/A	N/A	Lake Griffin Basin – Marion County	N/A	\$975,832	N/A	County Stormwater Assessment	\$975,832	N/A

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Marion County	N/A	MARION06	Street Sweeping	Curbed section of US Hwy. 42 in Lake Griffin Basin. Sweeping of county-maintained curbed section of Hwy. 42. Swept 9 times/yr.	Street Sweeping	Completed	N/A	N/A	1	Lake Griffin Basin – Marion County	N/A	N/A	Not provided	County Stormwater Assessment	Not provided	N/A
Marion County	Marion County Planning Dept./ Marion County Extension Service/ Marion County SWCD/ SWFWMD	MARION01-GRIF	Springshed Protection Program	Prevent further degradation of water quality of Rainbow and Silver Springs, and reduce or eliminate existing sources of pollution. Marion County BOCC adopted Resolution 05-R-106 declaring support for protection of Marion County springs and directing staff to develop recommended policies for springs protection. Fertilizer Ordinance 08-35 was adopted on November 4, 2008. Irrigation Ordinance 08-09 was adopted on April 1, 2008, and subsequently amended in Ordinance 09-13 on May 19, 2009. Springs Protection Ordinance 09-17 was adopted June 2, 2009, and included multiple amendments to county land development code, adoption of spring protection overlay zone, regulations for springs protection and water conservation, etc.	Education Efforts	Completed	N/A	N/A	40	Lake Griffin Basin in Silver Springs Springshed – Marion County	N/A	Not provided	Not provided	County Office of the County Engineer	Not provided	N/A
Marion County	Marion County Planning Dept./ Marion County Extension Service/ Marion County	MARION01-YALE	Springshed Protection	Prevent further degradation of water quality of Rainbow and Silver Springs, and reduce or eliminate existing sources of pollution. Marion County BOCC adopted Resolution 05-R-106 declaring support for protection of Marion	Education Efforts	Completed	N/A	N/A	1	Lake Yale Basin in Silver Springs Springshed – Marion County	N/A	Not provided	Not provided	County	Not provided	N/A

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	SWCD/ SWFWMD			County springs and directing staff to develop recommended policies for springs protection. Fertilizer Ordinance 08-35 was adopted on November 4, 2008. Irrigation Ordinance 08-09 was adopted on April 1, 2008, and subsequently amended in Ordinance 09-13 on May 19, 2009. Springs Protection Ordinance 09-17 was adopted June 2, 2009 and included multiple amendments to county land development code, adoption of spring protection overlay zone, regulations for springs protection and water conservation, etc.													
Marion County	Marion County Growth Services/ Marion County Extension Service/ Marion County SWCD/ SWFWMD	MARION02	Clean Farms Initiative	Marion County portion of Upper Ocklawaha Basin. Clean Farms Initiative is designed to assist Marion County farm owners and managers with implementation of BMPs for animal waste and nutrient management and to recognize them for their cooperative efforts. Initiative was begun by passage of Resolution 04-R-384, by Marion County BOCC, that recognizes importance of agriculture to county's history and economy, while also recognizing need to protect water resources. As part of Initiative, Farm Outreach Coordinator position was created to educate on water quality, targeting practices such as manure management and fertilization. Education is	Agricultural BMPs	Completed	N/A	N/A	N/A	Upper Ocklawaha Basin – Marion County countywide	N/A	\$55,000	Not provided	County General Revenue	\$55,000	N/A	

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				provided on BMPs, science-based and field-tested techniques meant to help protect and preserve integrity of groundwater and surface waters. Number of farm visits is tracked yearly. Education is provided on BMPs, science-based and field-tested techniques meant to help protect and preserve integrity of groundwater and surface water.												
Marion County	DEP/ SWFWMD/ SJRWMD/ UF	MARION04	MCAVA	Marion County identification of vulnerable areas of aquifer. Project provides scientifically defensible water resource management and protection tool that will facilitate planning of human activities to help in minimizing adverse impacts on groundwater quality. Aquifer vulnerability maps are displayed in classes of relative vulnerability (one area is more vulnerable than another). Maps benefit local government, planners, and developers in guiding growth into more appropriate areas (e.g., groundwater recharge areas) and improve site selection for expanding existing or establishing new well fields.	Study	Completed	2007	N/A	N/A	Upper Ocklawaha Basin – Marion County countywide	N/A	\$101,932	N/A	County Stormwater Assessment	\$101,932	N/A
Marion County	UF	MARION05	Marion County LID Practices	Countywide. Encourage adoption of LID practices to preserve and protect water resources. To foster LID not only within Marion County's springs protection zones, but throughout county, Clean	Education Efforts	Completed	2007	N/A	N/A	Upper Ocklawaha Basin – Marion County countywide	N/A	\$6,500	Not provided	County Stormwater Assessment	\$6,500	N/A

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				Water Program conducted day-long seminar for developers, engineers, landscape architects, and construction professionals in April 2007. Seminar shared LID options and discussed impact of LID on water resources.												
Orange County	SJRWMD Lands Division	LAP09	Jones Ave. Regional Stormwater Management Project	North of Lake Apopka, City of Apopka, north shore of Lake Apopka. Jones Ave. Regional Stormwater Management Project in northern part of north shore area is 15-ac regional wet detention pond and 20-ac wetland restoration project located in Section 19,20, 21 Township 20S Range 27E. It serves area of 1,000 ac during 100-yr flood elevation. It treats 0.35 in over 500 ac. Project reduces maintenance of ditches along Jones Ave. Improves water quality: removes TP and TSS. Reduces stormwater runoff from hazardous waste site. Habitat restoration. Net decrease in TP and other parameters.	Wet Detention Pond, Wetland Restoration	Completed	2008	N/A	296	Lake Apopka Basin – Orange County	300.0	\$4,600,000	Not provided	County/SJRWMD	County – \$4,300,000 SJRWMD Ad Valorem – \$300,000 (plus land costs for both partners)	N/A
Orange County	N/A	LAP18	Berg Dr.	Lake Apopka Stormwater retrofit Section 16; Township 20; range 27. Exfiltration chambers for discharge of stormwater. Percolation of existing stormwater through ground.	Exfiltration Trench	Completed	2000	N/A	2	Lake Apopka Basin – Orange County	0.5	\$207,000	Not provided	County Public Works	\$207,000	N/A
Orange County	N/A	LAP19	Water St.	Lake Apopka Basin. Stormwater retrofit Section 23; Township 22; range 27. Retention pond. Treatment and/or	Retention BMP	Completed	2000	N/A	23	Lake Apopka Basin – Orange County	13.7	\$104,000	Not provided	County Public Works	\$104,000	N/A

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				percolation of stormwater.												
Orange County		LAP20	Lake Apopka Master Plan	Stormwater management plan for Lake Apopka. Phase I complete, ongoing with Phase II and III. Identify retrofit opportunities to remove nutrient loading into Lake Apopka.	Study	Completed	Not provided	N/A	N/A	Lake Apopka Basin – Orange County	N/A	\$250,000	N/A	County Public Works	\$250,000	N/A
Orange County	HUD	LAP21	Burch's Quarters Community Development Project	Lake Apopka Basin. Paving and drainage upgrades – Section 22; Township 22; Range 27. Resurfacing and overbuilding of existing pavement, installation of proposed storm sewer system, cross drains, construction of dry retention pond and associated outfall system. Treatment of stormwater by percolation into ground.	Retention BMP	Completed	2006	N/A	Not provided	Lake Apopka Basin – Orange County	80.0	\$1,356,000	Not provided	Housing and CBDG	HUD – \$1,356,001	N/A
Orange County	HUD	LAP22	East Bay St. Community Development Project	Lake Apopka Basin. Paving and drainage upgrades – Section 13, 24; Township 22; Range 27. Roadway improvements will include resurfacing and overbuilding of existing pavement. Miami curbing and sidewalks will be installed based on proposed typical section. Drainage improvements include installation of proposed storm sewer, cross drains, and construction of retention ponds and associated outfall system.	Retention BMP	Completed	Not provided	N/A	Not provided	Lake Apopka Basin – Orange County	Not provided	\$1,700,000	Not provided	Housing and CBDG	HUD – \$1,700,000	N/A
Orange County	N/A	LAP38	Lake Clarice Pond	Lake Clarice Estates. Bold and Gold™ filter media added to discharge of wet detention pond.	Stormwater Pond Filter Media	Planned	Not provided	TBD	TBD	Lake Apopka Basin – Orange County	0.6	Not provided	Not provided	General Fund	TBD	N/A
Orange County	N/A	LAP44	Black Lake Hydrological and Nutrient Pollutant	Data and information from assessment can be used by stakeholders to	Study	Underway	2018	N/A	N/A	Lake Apopka Basin –	N/A	\$118,796	N/A	CIP Funds Provided by BOCC	\$118,796	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
			Source Assessment.	refine TMDL, provide allocation information in watershed, and identify potential BMP effectiveness.						Orange County						
Orange County	N/A	LAP45	Lake Roper Hydrological and Nutrient Pollutant Source Assessment.	Data and information from assessment can be used by stakeholders to refine TMDL, provide allocation information in watershed, and identify potential BMP effectiveness.	Study	Underway	2018	N/A	N/A	Lake Apopka Basin – Orange County	N/A	\$102,319	N/A	CIP Funds Provided by BOCC	\$102,319	N/A
Orange County	N/A	LAP46	Lake Tilden Hydrological and Nutrient Pollutant Source Assessment.	Data and information from assessment can be used by stakeholders to refine TMDL, provide allocation information in watershed, and identify potential BMP effectiveness.	Study	Underway	2018	N/A	N/A	Lake Apopka Basin – Orange County	N/A	\$184,811	N/A	CIP Funds Provided by BOCC	\$184,811	N/A
Orange County	Ocoee	ORANGE01	Street Sweeping	Unincorporated Orange County in Lake Apopka Basin. Contractor and FDOT conduct street sweeping. Contractor and FDOT sweep 460 mi of road periodically on annual countywide basis. Benchmark for sweeping is 3,000 cumulative mi annually. Based on typical street sweeping, debris picked up is 28 tons.	Street Sweeping	Completed	N/A	31	20	Lake Apopka Basin – Orange County unincorporated	N/A	N/A	\$60,000	County/ Winter Garden/ Apopka	Not provided	N/A
Orange County	N/A	ORANGE02	Clean Lakes Initiative Program	Unincorporated Orange County located in Lake Apopka, Lake Beauclair, and Lake Carlton drainage basins financial assistance (incentive program) for homeowners who voluntarily install berms and swales or restore shorelinelittoral zone with native vegetation. Up to \$1,000 reimbursement and waiver of permit fee to qualified applicants.	Education Efforts	Canceled	N/A	N/A	N/A	Lake Apopka Basin – Orange County unincorporated	N/A	N/A	N/A	N/A	N/A	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
Orange County	N/A	ORANGE09-LAP	Educational Efforts	Unincorporated Orange County.	Education Efforts	Completed	N/A	N/A	TBD	Lake Apopka Basin – Orange County unincorporated	N/A	Not provided	Not provided	General Fund	Not provided	N/A
Orange County	N/A	ORANGE09-BCL	Educational Efforts	Unincorporated Orange County Lake Beauclair Basin.	Education Efforts	Completed	N/A	N/A	3	Lake Beauclair Basin – Orange County unincorporated	N/A	Not provided	Not provided	General Fund	Not provided	N/A
Orange County	LCWA	CARL01	Lake Carlton Nutrient and Hydrologic Assessment	Lake Carlton Watershed. Nutrient and hydrologic assessment of lake and identification of possible nutrient reduction projects. 3,100-ac watershed investigation.	Study	Underway	2018	N/A	N/A	Lake Carlton Basin – Orange County	N/A	\$185,825	N/A	County General Fund/ LCWA	Not provided	N/A
Orange County	N/A	ORANGE09-CARL	Educational Efforts	Unincorporated Orange County Lake Carlton Basin.	Education Efforts	Completed	N/A	N/A	6	Lake Carlton Basin – Orange County unincorporated	N/A	Not provided	Not provided	General Fund	Not provided	N/A
Orange County	City of Apopka	ORANGE09-MARSHAL	Educational Efforts	Implementation of educational efforts per new DEP guidelines: (1) FYN funded by county, (2) local ordinances existing or under development – landscape ordinance under revision to reflect FYN, fertilizer ordinance under development to require certifications and reduced TP content, and water conservation ordinance limiting landscape irrigation, (3) PSAs including pet waste, (4) Information pamphlets addressing pollution reduction and good housekeeping from NPDES Program, (5) Water Atlas and website addressing nutrient reduction, and (6) proactive and reactive inspection programs associated with NPDES	Education Efforts	Completed	N/A	N/A	3	Lake Marshall Basin – Orange County	N/A	Not provided	Not provided	General Fund	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				and complaint system for call-in by residents.												
Orange County	N/A	ORANGE09-ROB	Educational Efforts	Implementation of educational efforts per new DEP guidelines: (1) FYN funded by county, (2) Local ordinances existing or under development – landscape ordinance under revision to reflect FYN, fertilizer ordinance under development to require certifications and reduced TP content, and water conservation ordinance limiting landscape irrigation, (3) PSAs including pet waste, (4) Information pamphlets addressing pollution reduction and good housekeeping from NPDES Program, (5) Water Atlas and website addressing nutrient reduction, and (6) proactive and reactive inspection programs associated with NPDES and complaint system for call-in by residents.	Education Efforts	Completed	N/A	N/A	2	Lake Roberts Basin – Orange County	N/A	Not provided	Not provided	General Fund	Not provided	N/A
Orange County	N/A	ROB02	Lake Roberts Nutrient and Hydrologic Loading Study	Lake Roberts nutrient and hydrologic loading study.	Study	Completed	2015	N/A	N/A	Lake Roberts Basin – Orange County	N/A	\$114,000	N/A	BOCC Capital Improvement Budget	\$114,000	N/A
Orange County	N/A	ROB03	Lake Roberts Feasibility Study	BMP construction feasibility study.	Study	Underway	2018	N/A	N/A	Lake Roberts Basin – Orange County	N/A	\$49,978	N/A	BOCC Capital Improvement Budget	\$49,978	N/A
Orange County	N/A	ORANGE04	Street Sweeping	Orange County. Maintained roads in subbasins that contribute to Lake Carlton and Lake Beauclair, which is primarily roads around Lake Ola and areas north of lake. Contracted street sweeping services on Orange County–maintained roads. Basin	Street Sweeping	Completed	N/A	TBD	TBD	TBD	N/A	N/A	\$3,300	General Fund BOCC	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				area is 6,522 ac. Benchmark is 13.87 mi of roads swept monthly for annual total of 166.44 mi. Amount of debris collected through that effort is 3,080 lbs.												
Orange County	N/A	TBD	Lake Pearl (West) Hydro/Nutrient Assessment and Water Quality Improvement Plan	Watershed assessment, source characterization, and determination of relative source contributions. Report will produce list of ranked BMPs for further consideration and/or implementation.	Study	Underway	2018	N/A	N/A	TBD	N/A	\$168,443	N/A	County BOCC Capital Improvement Budget	\$168,443	N/A
Orange County	N/A	ORANGE03	Surface Water Protection Code	Orange County Code, Chapter 15, Articles II and IV. Orange County Air and Water Pollution Control Act provides protection and regulation of pollution and contamination of air, soil, and water resources of county.	Regulations, Ordinances, and Guidelines	Completed	Not provided	N/A	N/A	Upper Ocklawaha Basin – Orange County unincorporated countywide	N/A	Not provided	Not provided	County	Not provided	Not provided
Orange County	SJRWMD/ OCEPD	ORANGE06	WAV Program Support	WAV Program is public education and participation program for residents of Orange County. Part of MS4 Phase I public education requirement.	Education Efforts	Completed	N/A	N/A	N/A	Upper Ocklawaha Basin – Orange County unincorporated countywide	N/A	\$24,500	Not provided	General Fund/ County BOCC/ SJRWMD	SJRWMD – \$12,500 OCEPD – \$12,000	N/A
Orange County	N/A	ORANGE07	Water Resource Atlas	Web-based outreach education program focused on water resource issues. Web-based outreach program targeted at residents of Orange County. Objective is to inform residents about water resource issues including TMDLs, stormwater, water quality, etc.	Education Efforts	Completed	N/A	N/A	N/A	Upper Ocklawaha Basin – Orange County unincorporated countywide	N/A	Not provided	\$57,650	General Fund/ County BOCC	Not provided	N/A
Orange County	Orange County Parks Dept.	ORANGE08	Orange County Parks TP Fertilizer Reduction	Orange County Parks including Trimble, Roosevelt, Nichols, Magnolia Park, Chapin Station, Winter Garden Station, and County Line	Fertilizer Reduction	Completed	N/A	N/A	Not provided	Upper Ocklawaha Basin – Orange County	Not provided	N/A	N/A	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Station. OCEPD and Parks Dept. agreed to reduce use of phosphorus fertilizers for each new lawn care and maintenance contract issued on all park facilities. Agreement includes use of 0 % phosphorus, with 3 % for regular turf. Higher percentages of phosphorus are allowable on plants needing greater amounts and in localized areas. Prohibition on use of fertilizers, pesticides, specifically herbicides within 10 ft of shoreline. Application of weed controls directly rather than by broadcast methods. Limitation of nitrogen to less than 0.5 lbs per 1,000 square ft.						unincorporated countywide						
Orange County	N/A	ORANGE09-DORA	Educational Efforts	Unincorporated Orange County Lake Dora Basin.	Education Efforts	Completed	N/A	N/A	1	Upper Ocklawaha Basin – Orange County unincorporated countywide	N/A	Not provided	Not provided	General Fund	Not provided	N/A
Orange County	N/A	ROB01	Lake Roberts Sediment Inactivation	Lake Roberts in-lake surface water treatment and sediment inactivation.	Alum Injection System	Planned	Not provided	N/A	1,511	Within Lake Roberts – Orange County	112.0	\$231,225	N/A	General Fund	\$231,225	N/A
SJRWMD	DEP	LAP53	Stormwater Nutrient Loading Assessment of Lake Apopka Tributaries	SJRWMD Contract 31869. Storm event monitoring of tributaries on Lake Apopka southshore, includes project concept development for phosphorus load reductions. Implementation of projects will be via future cost-share or Florida Legislature appropriations.	Study	Underway	2018	N/A	N/A	Lake Apopka – SJRWMD	N/A	\$124,951	N/A	DEP Florida Legislature Appropriation	\$124,951	Resolution 2017-03: Statewide Surface Water Restoration and Wastewater Projects – Lake Apopka Restoration

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
SJRWMD	N/A	HAR03	Harris Bayou Conveyance Project	Harris Conservation Area to Lake Griffin. Establish water flow connection to Lake Griffin. After connection established, future TP discharges from Project HAR02 will go to Lake Griffin instead of Lake Harris. Modification of hydrodynamics to accommodate higher flows of water.	Hydrologic Restoration	Completed	2008	N/A	N/A	Harris Conservation Area to Lake Griffin	N/A	\$5,000,000	N/A	Ad Valorem; Florida Legislature	Not provided	N/A
SJRWMD	LCWA/ Lake County/ EPA, Central Florida Beltway Trust Fund/ Mitigation	LAP05	Lake Apopka Constructed Marsh Flow-Way Phase 1	Constructed emergent marsh, which has four treatment wetland cells. It is located on northwest shore of Lake Apopka. Lake water is gravity fed into marsh flow-way, which is 800 ac. Water is then pumped from flow-way into Apopka Beauclair Canal. Flow-way was designed to remove nutrients such as nitrogen and phosphorus. Most of phosphorus that it treats is in particulate form. Flow-way was designed to treat 150 cfs. Most of treated water is returned to Lake Apopka, while some water also flows downstream towards Lake County Nutrient Removal Facility and Apopka Beauclair Lock and Dam. In addition to removing TP and TN from Lake Apopka, system also removed 10.5 million lbs of TSS from July 1, 2016, to August 30, 2017. Data from September 2017 are not available because of hurricane.	Inlake Treatment	Completed	Prior to 2007	N/A	N/A	Lake Apopka Basin – SJRWMD	31,000.0	\$3,900,000	\$300,000	SJRWMD SWIM Florida Legislature Appropriation/ Ad Valorem/ Central Florida Beltway Trust Fund/ Mitigation/ Lake County/ LCWA/ EPA	Not provided	N/A
SJRWMD	DEP	LAP06	North Shore Restoration Area	North shore of Lake Apopka. Wetland habitat restoration. Completed	Wetland Restoration	Completed	Not provided	N/A	99,960	Lake Apopka Basin – SJRWMD	14,000.0	\$103,895,000	Not provided	SJRWMD/ DEP Florida Legislature	SJRWMD – \$103,805,00	Resolution 2017-03: Statewide

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				<p>upgrading Unit 1 alum system and began discharging away from Lake Apopka downstream to Apopka-Beauclair Canal in 2013. Completed upgrading Unit 2 alum system in 2014. Completed upgrading Duda alum system and upgrading internal levees in Unit 1 in 2016–17. In 2017–18, SJRWMD is developing revised biological assessment for U.S. FWS that will enhance water management options. SJRWMD also contracted with engineering firm to produce study targeted toward optimizing pump use and water movement on North Shore to further reduce nutrient loading to Lake Apopka.</p>										Appropriation (for internal levee project)	DEP Florida Legislature Appropriation – \$90,000	Surface Water Restoration and Wastewater Projects – Lake Apopka restoration for internal levee improvement project
SJRWMD	N/A	GRIF01	Lake Griffin Emeraldal Marsh Restoration	<p>Emeralda Marsh Conservation Area (northeast marshes) north of Haines Creek. Lake Griffin Emeraldal Marsh restoration: To be managed for wetland restoration, planting, alum treatment to bind phosphates in sediments, manage excess nutrient outflow. Remove phosphates and TSS. Wetland habitat restoration. Manage nutrient outflow to Lake Griffin to feasible loading of 1.1 kg/ha/yr or 1 lb/ac. Area 3 was reconnected to Lake Griffin in 2017.</p>	Wetland Restoration	Completed	2017	N/A	41,450	Lake Griffin Basin – SJRWMD	7,089.0	\$15,975,204	Not provided	SJRWMD Ad Valorem/ Florida Legislature	Not provided	N/A
SJRWMD	N/A	HAR02	Lake Harris Conservation Area	<p>North shore of Lake Harris. Restoration of former muck farm. Chemical treatment of</p>	Wetland Restoration, Alum	Completed	Not provided	N/A	6,665	Lake Harris Basin – SJRWMD	395.0	\$950,538	Not provided	SJRWMD Ad Valorem/ Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				soil (alum) to bind phosphates for nutrient control in 2008 and 2010. Another treatment scheduled for 2016. Aquatic and wetland habitat restoration. Reduce and manage nutrient outflow to Lake Harris or Lake Griffin to feasible loading of 1.1 kg/ha/yr or 1 lb/ac.	Injection System											
SJRWMD	N/A	LAP07	In-Lake Habitat Restoration	Lake Apopka. Planting of wetland vegetation in littoral zone, largely north shore through 2012. Helps improve fishery, improve water quality and may reduce nutrient levels, stabilize bottom, and reduce TSS. SAV has been monitored since 1997. Replanting trees in fringe of forested area bordering lake on north. Damage from hurricanes and disease caused loss of many trees used as rookery by wading birds.	Littoral Zone Planting	Completed	2012	N/A	Not provided	Within Lake Apopka – SJRWMD	20.0	Not provided	Not provided	SJRWMD Ad Valorem	Not provided	Not provided
SJRWMD	Lake County/ LCWA	LAP08	Removal of Gizzard Shad	Lake Apopka. Harvest of gizzard shad by commercial fishermen. Removal of fish removes nutrients from lake. Reduces recycling of nutrients from sediments and reduces sediment resuspension (TSS). Stabilizes bottom to reduce TSS. Direct TP removal ranged from high of 13,594 lbs in 2007 to low of 1,920 lbs in 2001. 7,738 lbs of TP were directly removed in 2017. TP recycling prevention ranged from high of 35,071 lbs in 2007 to low of 4,954 lbs in 2001. In 2017, 19,964 lbs of TP recycling were	Fish Harvesting	Completed	2007	N/A	N/A	Within Lake Apopka – SJRWMD	N/A	Not provided	\$600,000	SJRWMD Ad Valorem/ Lake County/ LCWA/ Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				prevented. From January 1, 2017, to December 31, 2017, 20,989 lbs of TN were directly removed by gizzard shad harvest.												
SJRWMD	FWC	LAP50	In-Lake Sump Project at Lake Apopka	SJRWMD Contract 27971. Dredging in Lake Apopka in northwest portion of lake to remove nutrient-laden sediments and create sump where unconsolidated flocculent can settle and be removed in future. Project also includes navigation dredging near mouth of Apopka-Beauclair Canal. Project will remove 28,400 lbs of TN and 662,00 lbs of TP.	Muck Removal/ Restoration Dredging	Underway	2019	N/A	N/A	Within Lake Apopka – SJRWMD	121.9	\$4,700,000	N/A	FWC	\$4,700,000	N/A
SJRWMD	DEP	LAP51	Unconsolidated Floc Pumping	Pump unconsolidated floc from Lake Apopka to improve habitat. Project will remove 16,000 lbs of TN and 500 lbs of TP.	Muck Removal/ Restoration Dredging	Underway	2018	N/A	N/A	Within Lake Apopka – SJRWMD	100.0	\$1,961,041	N/A	DEP Florida Legislature Appropriation	\$1,961,041	Resolution 2017-03: Statewide Surface Water Restoration and Wastewater Projects – Lake Apopka Restoration
SJRWMD	DEP/ UF	LAP52	Lake Apopka SAV Initial Assessment and In-Lake Planting Pilot Projects	SJRWMD Contract 31945 with UF. Purpose: Reestablish viable beds of SAV, document viability and growth, and assess environmental conditions that promote or limit establishment, persistence, and expansion of planted SAV. This will inform future large-scale efforts to restore SAV. Greater than 5 ac of planted SAV.	SAV Planting	Underway	2020	N/A	N/A	Within Lake Apopka – SJRWMD	N/A	\$750,000	N/A	DEP Florida Legislature Appropriation	\$750,000	Resolution 2017-03: Statewide Surface Water Restoration and Wastewater Projects – Lake Apopka Restoration
SJRWMD	N/A	BCL03	Gizzard Shad Harvest	Harvest of gizzard shad from Lake Beauclair by commercial fishermen. Removal of fish removes nutrient from lake.	Fish Harvesting	Completed	2012	N/A	N/A	Within Lake Beauclair – SJRWMD	N/A	Not provided	\$150,000	SJRWMD Ad Valorem/ Florida Legislature	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				Reduces recycling of nutrients from sediments and reduces TSS. Stabilizes bottom to reduce TSS.												
SJRWMD	N/A	DORA13	Gizzard Shad Harvest	Harvest of gizzard shad from Lake Dora by commercial fishermen. Part of experimental assessment with UF and FWC. Removal of fish removes nutrient from lake. Reduces recycling of nutrients from sediments and reduces TSS. Stabilizes bottom to reduce TSS.	Fish Harvesting	Completed	2012	N/A	N/A	Within Lake Dora – SJRWMD	N/A	Not provided	\$150,000	SJRWMD Ad Valorem/ Florida Legislature	Not provided	N/A
SJRWMD	LCWA	GRIF02	Gizzard Shad Harvest	Harvest of gizzard shad from Lake Griffin by commercial fishermen. Expanded to Lake Dora and Lake Beauclair, with possible future expansion to other lakes in Harris Chain. Remove and export nutrients via fish. Reduces recycling of nutrients from sediments and reduces TSS. Stabilizes bottom to reduce TSS.	Fish Harvesting	Completed	2012	N/A	N/A	Within Lake Griffin – SJRWMD	N/A	\$1,000,000	N/A	SJRWMD Ad Valorem/ Florida Legislature Appropriation/ LCWA	Not provided	N/A
Town of Lady Lake	DEO	GRIF27	Service Area 1 and Service Area 3	Skyline Dr. drainage improvement. Improved stormwater conveyance system. Area covers Skyline Dr. north to Ray St., west to Summit St., and east to High St..	Stormwater System Rehabilitation	Underway	Not provided	N/A	Not provided	Lake Griffin Basin – Town of Lady Lake	Not provided	\$1,300,000	Not provided	Town/ DEO	DEO – \$750,000 Town – \$550,000	N/A
Town of Lady Lake	N/A	LADYL01	Public Outreach Program	Lady Lake contracts services for public education and participation program serving residents Lady Lake. This is a requirement of Phase II MS4 permit. WAV is public education and participation program serving residents of Lake and is Phase II MS4 requirement. Potential for	Education Efforts	Completed	N/A	N/A	N/A	Lake Griffin Basin – Town of Lady Lake townwide	N/A	Not provided	\$7,500	Town	Not provided	N/A

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	TN Reduction (lbs/yr)	TP Reduction (lbs/yr)	Location	Acres Treated	Cost Estimate	Cost Annual O&M	Funding Source	Funding Amount	DEP Contract Agreement Number
				increasing community participation in BMPs that protect water resources.												
Town of Lady Lake	N/A	LADYL02	Street Sweeping	Townwide street sweeping to remove dirt and debris. Benchmark frequency is quarterly or as needed. Removal of debris and potential pollutants prevents their entry into lakes. Performance benchmark is 250 cubic yds/yr of material removed.	Street Sweeping	Completed	N/A	N/A	8	Lake Griffin Basin – Town of Lady Lake townwide	N/A	N/A	\$25,000	Town	Not provided	N/A
Town of Lady Lake	N/A	LADYL03	Stormwater System Maintenance	Townwide curb and gutter cleaning and catch basin vacuuming. Remove pollutants and debris before entering storm sewer system. Benchmark frequency for routine maintenance is quarterly or as needed.	BMP Clean Out	Completed	N/A	N/A	Not provided	Lake Griffin Basin – Town of Lady Lake townwide	N/A	N/A	Not provided	Town	Not provided	N/A

Appendix D: Fecal Indicator Bacteria (FIB) BMAPs

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Introduction

DEP is dedicated to identifying and reducing human health risks associated with bacteria. DEP's approaches to bacteria assessment and restoration of waterbodies impaired by bacteria are changing. Along with a recently revised standard (see the description in the box to the right), DEP is coupling FIB analytes with source-specific analytes for impairment determinations. It is important to note that swimming beaches enrolled in the FDOH Healthy Beaches Program are monitored by FDOH and assessed differently than other recreational waters. Healthy Beaches meet the state criterion if they are under advisories by FDOH for 20 days or less each calendar year (January 1 through December 31) of the 7.5-year verified period. The restoration goal for each FIB BMAP is to meet the state's bacteria standards.

In 2017, DEP piloted an intensive source identification monitoring strategy in six impaired waterbodies across the state. The strategy was designed to identify hot spots and areas in watersheds suspected to contain sources of untreated human waste. The suite of human waste indicators used comprised chemical tracers (sucralose and acetaminophen), a human biological marker, a dye called propidium monoazide, and the applicable FIB (*E. coli* or Enterococci).

The study demonstrated that entities can use this strategy to narrow down the size of the contributing watershed suspected of containing sources that are actively contributing FIB to impaired waters. Further investigative techniques such as dye traces, smoke tests, and camera deployment can be used to identify the exact location of some sources. However, some source locations may be more difficult to identify. As anthropogenic sources are identified, they are eliminated through existing remediation policies and processes. Lessons learned from this pilot study are guiding collaborative source investigation and monitoring efforts in FIB BMAPs beginning in 2018. This resource-intensive work can be used to guide future decisions about common sources types and aims to prevent future fecal waste loading.

The tables in **Appendix D** list the implementation status of the BMAP projects through the end of each individual BMAP's last annual reporting period. Project reporting is being revised in bacteria BMAPs so that projects tracked will be better focused on the identification, elimination, and prevention of fecal bacteria sources. The reporting periods for FIB BMAPs in the next statewide annual report will all end December 31, 2018.

These projects were submitted to provide reasonable assurance to DEP that each entity has a plan to identify and reduce bacterial sources to the BMAP waterbodies. However, the list of projects

In December 2015, DEP adopted the U.S. Environmental Protection Agency (EPA) criteria for *E. coli* bacteria (Class I and III fresh water) and Enterococci bacteria (Class III marine waters) to replace the previous Class III criteria for fecal coliform bacteria.

**Ten percent threshold criteria
per the state standard for
Class III recreational use waters**

Previously

400 colony-forming units per 100 milliliters
(cfu/100mL) fecal coliform

Currently

Freshwater WBIDs
410 cfu/100mL *E. coli*

Marine WBIDs
130 cfu/100mL enterococci

is meant to be flexible enough to allow for changes that may occur over time. During the annual review of BMAP implementation efforts, project-specific information may be revised and updated. For BMAPs in **Appendix D**, DEP works in collaboration with Northwest Florida Water Management District (NFWFMD), St. Johns River Water Management District (SJRWMD), and Southwest Florida Water Management District (SWFWMD).

The project status column is standardized into the following four categories:

- **Canceled:** Project or activity planned but will no longer take place. This includes the cessation of ongoing activities.
- **Completed:** Project, activity, or task is finished. This includes fully implemented activities (i.e., ongoing activities) that must continue indefinitely to maintain assigned credits (such as street sweeping, BMP clean out, catch basin clean out, public education, fertilizer cessation/reduction, and vegetation harvesting).
- **Planned:** Project or activity is conceptual or proposed.
- **Underway:** Project or activity has commenced or been initiated but is not completed and is not yet reducing nutrient loads from the treated area.

Prior to reporting project information, DEP contacts each lead entity to gather new information on projects and confirm previously reported information. The terms used throughout the project tables are defined as follows:

- **Not provided:** Information was requested by DEP but not provided by the lead entity.
- **TBD:** To be determined. Information is not currently available but will be provided by the stakeholder when available.
- **N/A:** Not applicable. Information for that category is not relevant to that project.
- **0:** Zero. The numeric value for that category is zero.

These project tables are based on current information, and as further information becomes available project details may be updated. It is noted that while FDOT submits project information, there is no specific cost breakdown for water quality improvement projects, which are embedded into and implemented as part of larger transportation projects adopted in its Five-Year Work Program, pursuant to Section 339.135, F.S.

Alafia River BMAP

Background

The Alafia River Basin covers an area of more than 410 square miles in Hillsborough and Polk Counties. The river originates in west-central Polk County and flows westward to Hillsborough Bay. It is bounded to the north by the Hillsborough River Basin, to the east by the Peace River Basin, and to the south by the Little Manatee River Basin. Major tributaries include the North Prong, South Prong, Little Alafia River, and Turkey Creek. The river is tidally influenced to Bell Shoals Rd., 11 river miles upstream from the mouth. During the dry season, much of the freshwater inflow to the tidal reach is contributed by groundwater inflows, notably from Lithia Springs and Buckhorn Springs, which are located southeast of Bloomingdale river miles upstream from the mouth.

The watershed contains few natural lakes, but numerous man-made lakes (such as Medard Reservoir) have been created because of phosphate-mining and other earth-moving activities. Mining, agriculture, and urban development are predominant land uses, with suburban, commercial, and industrial uses common in the northern and western portions. Agriculture and (increasingly) suburban uses are common in the southern portion, and mining-related uses dominate the eastern portion.

In portions of the Alafia River Basin, FIB and nutrients were identified as the primary pollutants causing impairment. In 2004, DEP adopted a TMDL for Thirty Mile Creek (WBID 1639). It later adopted TMDLs for Mustang Ranch Creek (WBID 1592C), Turkey Creek (WBID 1578B), English Creek (WBID 1552), and Poley Creek (WBID 1583) in 2009, as well as Alafia River Above Hillsborough Bay Tidal Segment (WBID 1621G) in 2011. **Figure D-1** shows the locations of these BMAP watersheds.

The BMAP was adopted in 2014 and includes the implementation of FIB source identification efforts such as Walk the Watershed, also known as Walk the WBID (WTW), and requires production agricultural operations in BMAP WBIDs to participate in the FDACS BMP Program or elect to perform water quality monitoring of their operations. This BMAP addresses four fecal coliform TMDLs (WBIDs 1578B, 1592C, 1552, and 1583) and three DO and nutrient TMDLs (WBIDs 1621G, 1592C, and 1639).

Status of Projects

From April 2014 through March 2015, 17 projects were reported as completed. Of these completed projects, 13 were implemented prior to BMAP adoption and 8 are ongoing, maintenance activities.

Frequency of Exceedance

Table D-1 shows the frequency of exceedance of the ten percent threshold fecal coliform criterion from the Cycle 3 assessment verified period January 1, 2007, to June 30, 2014 (before BMAP adoption in 2014) and January 1, 2009, to June 30, 2016.

Table D-1. Exceedance frequency for the Alafia River BMAP WBIDs

WBID	Waterbody Name	January 1, 2007, to June 30, 2014 % Exceedance	January 1, 2009, to June 30, 2016 % Exceedance
1578B	Turkey Creek	51	52
1592C	Mustang Ranch Creek	75	52
1552	English Creek	42	44
1583	Poley Creek	66	64

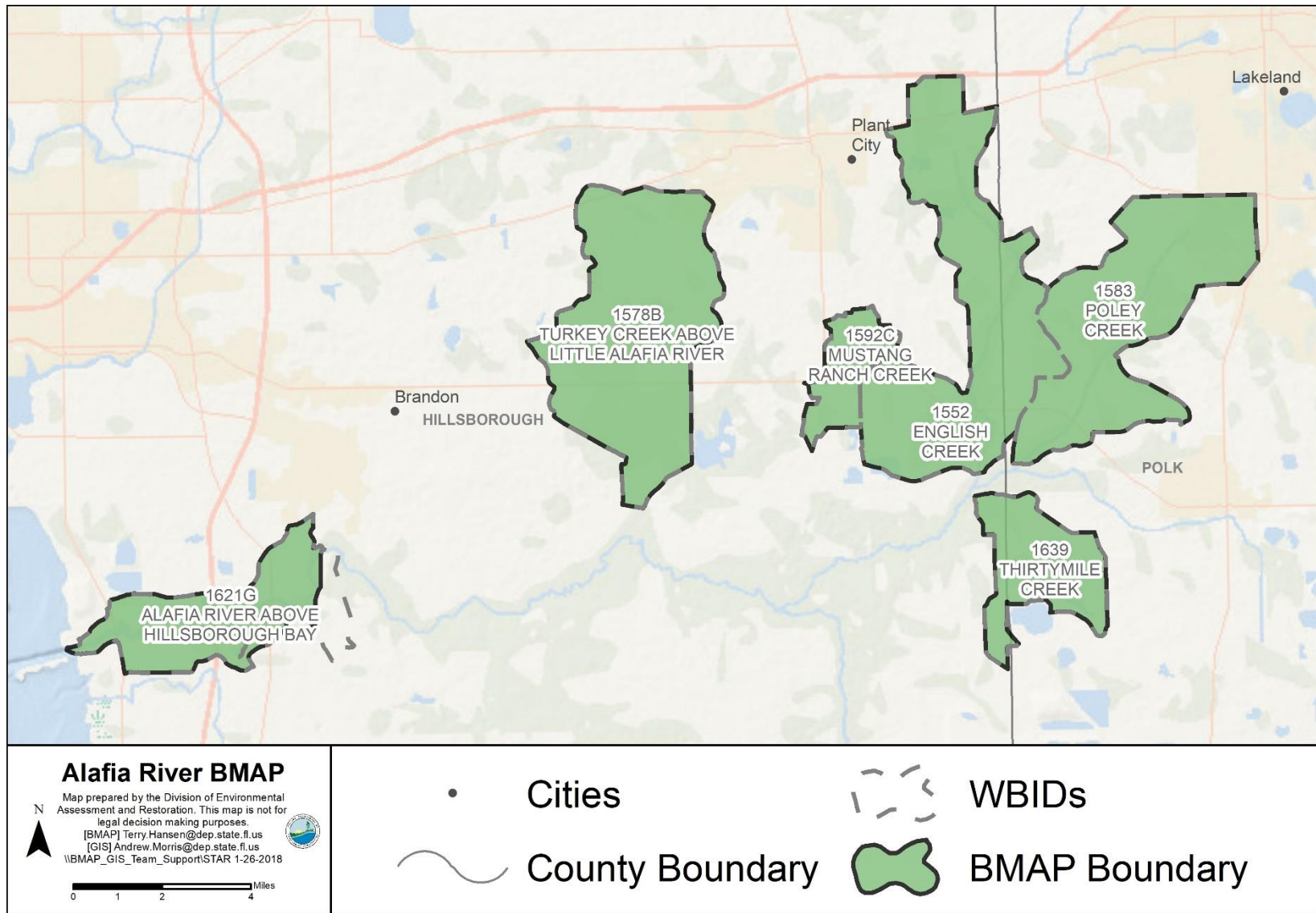


Figure D-1. Alafia River BMAP WBIDs

Table D-2. Alafia River BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
DEP	N/A	TBEP-0411	Alafia River Task Force (ARTF)	In May 1992, DEP convened ARTF to make recommendations for point and nonpoint source nutrient and pollutant load reductions.	Stormwater	Completed	Prior to 2014	Alafia River Basin	Not provided	N/A	Not provided
Environmental Protection Commission of Hillsborough County (EPCHC)	FDOT	EPCHC-0001	Monitoring for Pollutant Loading Estimate Project	Collection of additional water quality information.	Stormwater	Completed	Prior to 2014	Alafia River Basin	Not provided	N/A	Not provided
FDOT	N/A	FDOT-0001	Road BMPs	I-75 (10075), US Hwy. 301 (10010), and US Hwy. 41 (10060) street sweeping (typically monthly cycle) for curb and gutter sections.	Stormwater	Completed	Prior to 2014	Alafia River Basin	N/A	Not provided	Not provided
FDOT	N/A	FDOT-0002	US Hwy. 301 Underdrain Pond Reconstruction	Reconstruction of underdrain pond on US Hwy. 301 that discharges to Alafia River.	Stormwater	Completed	2013	Alafia River Basin	Not provided	Not provided	Not provided
FDOT	N/A	FDOT-0003	Road BMPs	SR 60 and SR 39 street sweeping for curb section.	Stormwater	Completed	Prior to 2014	Alafia River Basin	N/A	Not provided	Not provided
FDOT	N/A	TBEP-1317	Street Sweeping in Alafia River Basin	Street sweeping in Alafia River Basin.	Stormwater	Completed	2017	Alafia River Basin	N/A	Not provided	Not provided
Hillsborough County	N/A	HC-0001	Walk the Waterbody	Walk the Waterbody exercise for Turkey Creek to identify potential issues in watershed.	Source Identification Activities	Completed	2012	Alafia River Basin	Not provided	N/A	Not provided
Hillsborough County	N/A	HC-0002	Fertilizer Ordinance	Ongoing and future source reduction.	Stormwater	Completed	2013	Alafia River Basin	Not provided	Not provided	Not provided
Mosaic	N/A	TBEP-0843	Mosaic Riverview, Modifications to Outfall Automation and Monitoring	Installation of complex automated system at facility's main stormwater outfall (005), including redundant pH meters interlocked to shut down discharge in event of excursions or elevated nutrient loads.	Stormwater	Completed	2003	Alafia River Basin	Not provided	Not provided	Not provided
Mosaic	N/A	TBEP-0844	Mosaic Riverview, Enhanced Housekeeping and Street Sweeping	Water quality improvement through better operations management.	Stormwater	Completed	2005	Alafia River Basin	Not provided	Not provided	Not provided
Mosaic	N/A	TBEP-0845	Mosaic Riverview, Improved Drainage in Phosphoric Acid Production Areas	Water quality improvement through better operations management.	Industrial Wastewater	Completed	2005	Alafia River Basin	Not provided	Not provided	Not provided
Pasco County	N/A	TBEP-1068	Hillsborough County Pet Waste Campaign	Hillsborough County Pet Waste Campaign.	Stormwater	Completed	2009	Alafia River Basin	Not provided	Not provided	Not provided
Polk County	N/A	PC-0001	Walk the Waterbody	Walk the Waterbody exercise for Poley Creek to identify potential issues in watershed.	Source Identification Activities	Completed	2012	Alafia River Basin	Not provided	N/A	Not provided
Polk County	N/A	PC-0002	Fertilizer Ordinance	Public awareness, nutrient reduction from surface water runoff.	Stormwater	Completed	2013	Alafia River Basin	Not provided	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Polk County	N/A	TBEP-1302	Illicit Discharge Complaint Investigation	Illicit discharge complaint investigation.	Stormwater	Completed	2017	Alafia River Basin	Not provided	Not provided	Not provided
Tampa Bay Water	N/A	TBEP-0867	Source Water Protection – Land Use and Development Review Program	Source Water Protection – Land Use and Development Review Program.	Stormwater	Completed	2017	Alafia River Basin	Not provided	Not provided	Not provided
Tampa Bay Water	N/A	TBEP-0868	Alafia River Water Quality Protection Plan (WQPP)	Alafia River WQPP.	Stormwater	Completed	2017	Alafia River Basin	Not provided	Not provided	Not provided

Bayou Chico BMAP

Background

The Bayou Chico Watershed, which discharges to Pensacola Bay, is located in southern Escambia County, east of Blue Angel Parkway and north of Bayou Grande. Bayou Chico has a 10-square-mile drainage area and a water surface area of 0.4 square miles.

DEP identified the Bayou Chico Watershed as impaired for fecal coliform bacteria. In February 2008, DEP adopted the Bayou Chico Watershed TMDL, which called for a 61 % reduction in fecal coliform bacteria. The Bayou Chico BMAP was adopted in August 2011 and addresses Bayou Chico, Jones Creek, Jackson Creek, Bayou Chico Drain (also known as Maggie's Ditch), Bayou Chico Beach, and Sanders Beach, **Figure D-3**.

Status of Projects

From August 2011 through October 2016, 76 projects were reported as completed. Of these 76 completed projects, 42 were implemented prior to BMAP adoption and 22 are ongoing, maintenance activities.

Frequency of Exceedance

DEP adopted the EPA criteria for *E. coli* bacteria (Class I and III fresh water) in waters and Enterococci bacteria (Class III marine water) to replace the existing criteria for fecal coliform bacteria. **Table D-3** shows the frequency of exceedance of the ten percent threshold for the old fecal coliform criterion from the Cycle 2 assessment verified period (January 1, 2003, to June 30, 2010) (before BMAP adoption in 2011) for fecal coliform. **Table D-3** also shows the frequency of exceedance of the new ten percent threshold criteria for Jackson Creek, Bayou Chico, and Bayou Chico Drain. Based on the January 1, 2009, to July 1, 2016 data, these three waterbodies exceed the ten percent threshold criteria for either *E. coli* or Enterococci. After a 2017 evaluation of the salinity data from the original Jones Creek water quality station at the mouth of the river, DEP and Escambia County determined the station is more representative of Bayou Chico, a marine waterbody, than Jones Creek, a fresh waterbody. New, more representative water quality stations are being monitored to provide assessment data for Jones Creek.

Table D-4 lists the number of beach advisories per year from January 1, 2010, through June 30, 2017. Based on these data, Bayou Chico Beach exceeded the number of advisory days allowed (20 days of advisories from January 1 to December 31) each year, and Sanders Beach exceeded the number of advisory days allowed in 3 of the last 7.5 years. **Figure D-2** shows a significant decrease in the number of advisory days since 2010 at Bayou Chico Beach. Since 2006, the number of advisory days at Sanders Beach is often near or under the 20-day annual maximum.

Table D-3. Exceedance frequency for the Class III BMAP WBIDs

N/A = Not applicable

WBID	Waterbody Name	January 1, 2003, to June 30, 2010 Parameter	January 1, 2003, to June 30, 2010 % Exceedance	January 1, 2009, to June 30, 2016 Parameter	January 1, 2009, to June 30, 2016 % Exceedance
846A	Jones Creek	Fecal coliform	23	<i>E. coli</i> (future assessments)	N/A
846B	Jackson Creek	Fecal coliform	32	<i>E. coli</i>	35
846C	Bayou Chico Drain	Fecal coliform	19	Enterococci	40
846	Bayou Chico	Fecal coliform	19	Enterococci	35

Table D-4. Number of beach advisories per year, 2010–17¹

¹Date range January 1, 2017 – June 30, 2017

WBID	Waterbody Name	2010	2011	2012	2013	2014	2015	2016	2017 ¹
848DA	Sanders Beach	38	0	21	0	5	18	0	26
846CB	Bayou Chico Beach	234	105	63	71	81	86	57	59

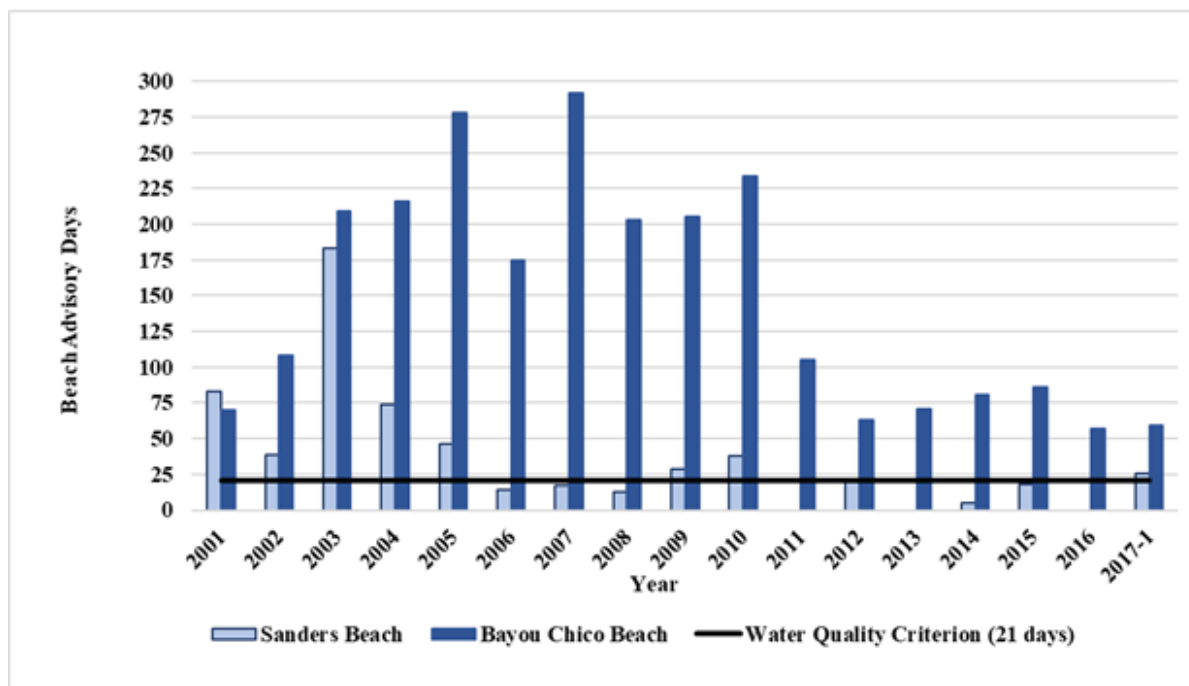


Figure D-2. Beach advisory days per year, January 1, 2017 – June 30, 2017

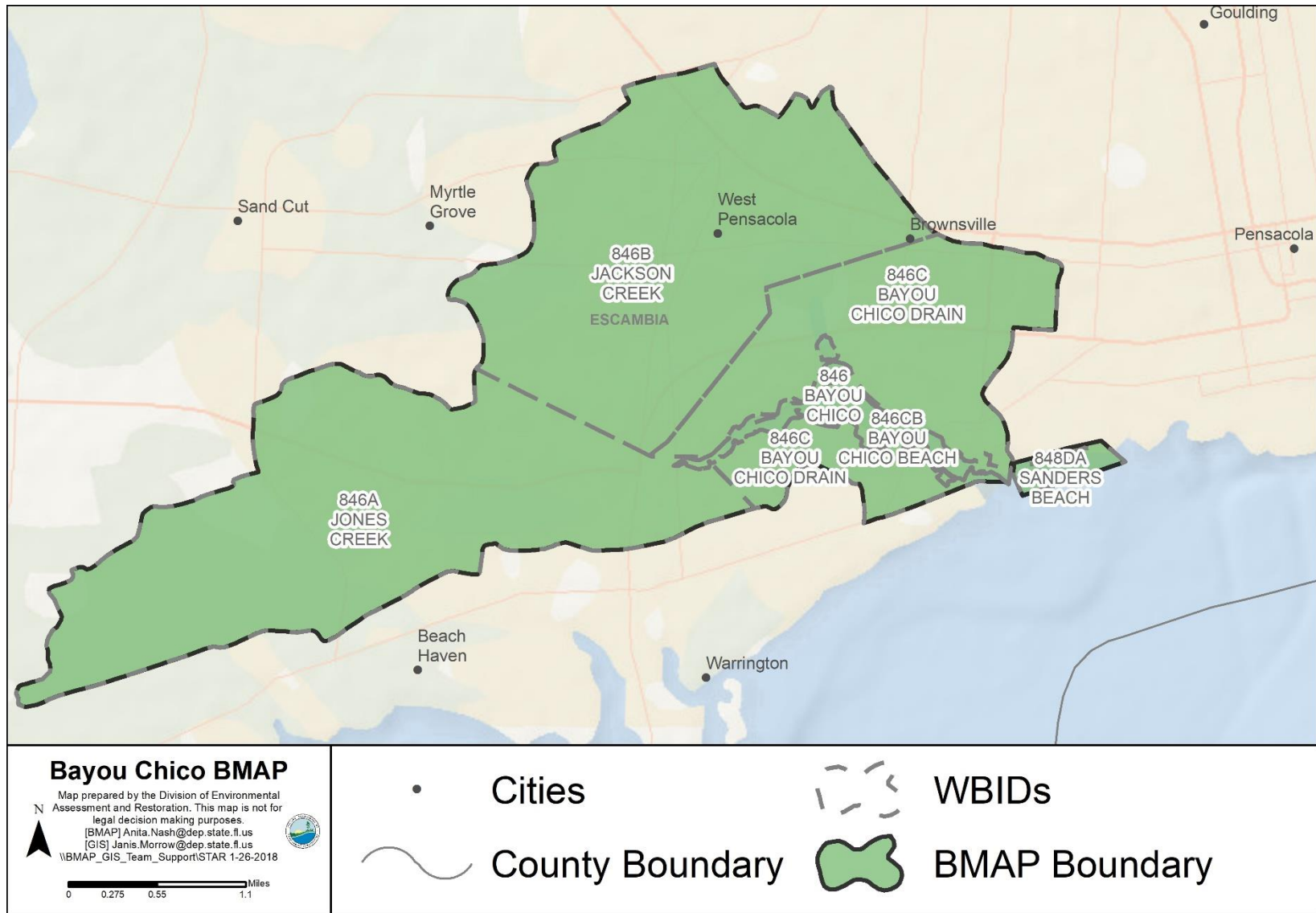


Figure D-3. Bayou Chico BMAP Area

Table D-5. Bayou Chico BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
ECUA	N/A	ECUA-001	Lakewood Phase I	183 OSTDS connections.	OSTDS	Completed	Prior to 2011	Multiple	\$1,431,866	N/A	ECUA
ECUA	N/A	ECUA-002	Lakewood Phase II	85 OSTDS connections.	OSTDS	Completed	Prior to 2011	846C	\$747,263	N/A	ECUA
ECUA	N/A	ECUA-003	Lakewood Phase III	112 OSTDS connections.	OSTDS	Completed	Prior to 2011	846C	\$723,964	N/A	ECUA
ECUA	HUD	ECUA and Escambia County-004	Lakewood Phase IV	Sewer extension.	Sanitary Sewer	Completed	2014	846C	\$128,845	N/A	HUD
ECUA	HUD	ECUA and Escambia County-005	Lakewood Phase V	256 OSTDS connections.	OSTDS	Completed	2013	846C	\$3,390,897	N/A	HUD
ECUA	HUD	ECUA and Escambia County-006	Lakewood Phase VI	Sewer extension.	Sanitary Sewer	Completed	2013	846C	Not provided	N/A	Partly funded through HUD
ECUA	N/A	ECUA-007	Edgewater Phase I	74 OSTDS connections.	OSTDS	Completed	Prior to 2011	846C	\$1,467,661	N/A	ECUA
ECUA	N/A	ECUA-008	Edgewater Phase II	295 OSTDS connections.	OSTDS	Completed	Prior to 2011	846C	Not provided	N/A	ECUA
ECUA	N/A	ECUA-009	FOG Program	FOG Program.	Sanitary Sewer	Completed	Prior to 2011	Basinwide	N/A	Not provided	ECUA
ECUA	N/A	ECUA-010	I&I Program	I&I Program.	Sanitary Sewer	Completed	Prior to 2011	Basinwide	N/A	Not provided	ECUA
ECUA	N/A	ECUA-011	SSO Response Plan	SSO response plan.	Sanitary Sewer	Completed	Prior to 2011	Basinwide	N/A	Not provided	ECUA
ECUA	N/A	ECUA-012	Emergency Power Generator Program	Emergency power generator.	Sanitary Sewer	Completed	Prior to 2011	Basinwide	N/A	Not provided	ECUA
ECUA	N/A	ECUA-013	Lift Station Upgrades	Main St. relocation to Cantonment.	Sanitary Sewer	Completed	Prior to 2011	Basinwide	Not provided	N/A	ECUA
Escambia County Health Dept. (ECHD)	FDOH	ECHD-014	Septic to Sewer Enforcement Program	Enforcement by notification and tracking of conversion compliance in Lakewood and Edgewater	OSTDS	Completed	Prior to 2011	Basinwide	N/A	Not provided	FDOH
ECHD	FDOH	ECHD-015	Environmental Analysis Program	Inspects septic tanks prior to property sales.	OSTDS	Completed	Prior to 2011	Basinwide	N/A	Not provided	FDOH
ECHD	FDOH	ECHD-016	OSTDS Permitting	Carries out all operational aspects of OSTDS Program, as described in Rule 64E-6, F.A.C.	OSTDS	Completed	Prior to 2011	Basinwide	N/A	Not provided	FDOH
ECHD	FDOH	ECHD-017	Industrial/Business Annual Operating Permits and Compliance Inspections	Issues permit when building served by OSTDS is located in area zoned or used for industrial/manufacturing purposes, or where business generates commercial sewage waste.	OSTDS	Completed	Prior to 2011	Basinwide	N/A	Not provided	FDOH
ECHD	FDOH	ECHD-018	Septic to Sewer Enforcement Program	Through notification and tracking, enforces conversion compliance for the septic tank phase out program done in concert with ECUA.	OSTDS	Completed	Prior to 2011	Basinwide	N/A	Not provided	FDOH
ECHD	N/A	ECHD-019	ECHD Research Program	Funded portion of research and manpower for study with University of West Florida (UWF) to develop method to distinguish human from nonhuman sources of pollution. Several avenues have been and are currently being explored.	Source Identification Activities	Completed	Prior to 2011	Basinwide	Not provided	N/A	ECHD
ECHD	FDOH	ECHD and Escambia County-20	Escambia County Ordinance 99-36, referenced in Escambia	Requires inspection by ECHD prior to sale or transfer of property with existing septic tank system. All	OSTDS	Completed	Prior to 2011	Multiple	N/A	Not provided	ECHD through FDOH

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
			County Ordinance, Chapter 98, Article III	required setbacks regarding system placement are also checked for compliance with Rule 64E-6, F.A.C., and Chapter 381, F.S. Inspection results must be made available to seller as well as buyer before or at time of closing.							
ECHD	FDOH/ UWF	ECHD-021	Healthy Beaches Program	Samples for fecal coliform and enterococci at specific sites in Bayou Chico, Lakewood Park, and Sanders Beach.	Source Identification Activities	Completed	Prior to 2011	848DA and 846CB	N/A	Not provided	ECHD through FDOH and UWF
Escambia County	N/A	Escambia County-022	Glynn Key	New stormwater BMPs and educational amphitheater and signage	Stormwater	Completed	Prior to 2011	846A	\$500,000	Not provided	Not provided
Escambia County	N/A	Escambia County-023	Bayou Chico Restoration Projects: W St. Weir	W St. Weir replacement.	Stormwater	Completed	Prior to 2011	846C	Not provided	Not provided	Not provided
Escambia County	N/A	Escambia County-024	Jackson Lakes	New stormwater BMPs and educational amphitheater and signage.	Stormwater	Completed	Prior to 2011	846C	\$500,000	Not provided	Not provided
Escambia County	N/A	Escambia County-025	Derelict Vessel Removal	Derelict vessel removal.	Stormwater	Completed	Prior to 2011	Multiple	\$50,000	N/A	Not provided
Escambia County	N/A	Escambia County-026	New Stormwater Ponds with New Development	New stormwater ponds with new development – 11 new BMPs.	Stormwater	Underway	TBD	Multiple	\$1,100,000	Not provided	Not provided
Escambia County	N/A	Escambia County-027	Illicit Discharge Detection	IDDE for high risk industries, small quantity generators, stormwater outfall monitoring.	Stormwater	Completed	Prior to 2011	Basinwide	\$50,000	N/A	Not provided
Escambia County	N/A	Escambia County-028	Stormwater Pond Inspection and Maintenance Program	Stormwater pond – Inspection and maintenance of more than 300 ponds.	Stormwater	Completed	Prior to 2011	Basinwide	N/A	\$300,000	Not provided
Escambia County	N/A	COP and ECUA-029	West Avery St. Drainage Improvements	Avery St. Drainage Improvements Phase I (Kupfiran Park Area Improvements) – Construction of new stormwater infrastructure in Kupfiran Park area.	Stormwater	Completed	2013	846C	\$1,000,000	Not provided	Not provided
Escambia County	N/A	Escambia County-030	Jones Swamp Wetland Preserve	Wetland Preservation – Purchase of 4 parcels at Fairfield Dr. and Albany Ave.	Stormwater	Completed	Prior to 2011	846A	\$300,000	N/A	Not provided
Escambia County	N/A	Escambia County-031	West Jones Creek Stream Restoration	Wetland restoration and maintenance carried out west of Navy Blvd., east of Fairfield Dr.; construct natural stream channel, restoration activities in floodplain.	Stormwater	Completed	Prior to 2011	846A	\$250,000	N/A	Not provided
Escambia County	N/A	Escambia County, Bay Area Resource Council (BARC), and BCA-032	Public Education and Outreach	Public education and outreach.	Stormwater	Completed	Prior to 2011	Basinwide	N/A	\$10,000	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
NFWFMD and USACE	N/A	NFWFMD and USACE-033	Bayou Chico Dredging	Dredge entrance to Bayou Chico Channel.	Stormwater	Completed	Prior to 2011	Multiple	Not provided	N/A	USACE/ NFWFMD
Escambia County	N/A	Escambia County-034	Stormwater Outfall Monitoring	Sample as part of ongoing monitoring efforts for stormwater facilities located in bayou.	Stormwater	Completed	Prior to 2011	Basinwide	N/A	Not provided	Not provided
Escambia County	U.S. Navy	Escambia County and USN-035	Corry Station Retrofit Projects (Jones Creek East)	Construction of new stormwater infrastructure on NAS property designed to provide treatment for more than 100 ac of previously developed areas, including mixture of institutional, commercial, and residential land uses.	Stormwater	Underway	TBD	846A	\$500,000	Not provided	U.S. Navy and Escambia County
Escambia County	Florida Legislature	Escambia County and USN-036	Corry Station Runway Surface Restoration	Logistics to remove 5 ac of impervious surface, provide new stormwater treatment for runoff; concrete material will be available as base substrate for offshore fishery habitat improvements, oyster reefs, and other shoreline stabilization and restoration projects.	Stormwater	Canceled	N/A	846A	\$80,000	Not provided	Funded (FCT Grant)
Escambia County	N/A	Escambia County and USN-037	Jackson's Branch Headwater Restoration	Construction of new stormwater infrastructure on NAS property designed to provide treatment for more than 200 ac of previously developed areas, which include mixture of institutional, commercial, and residential land uses.	Stormwater	Underway	TBD	846B	\$500,000	Not provided	Not provided
Escambia County	N/A	Escambia County and USN-038	Corry Station Retrofit Projects (Jones Creek West)	Construction of new stormwater infrastructure on NAS property designed to provide treatment for more than 100 ac of previously developed areas, which include mixture of institutional, commercial, and residential land uses.	Stormwater	Underway	TBD	846A	\$500,000	Not provided	Not provided
Escambia County	N/A	Escambia County-039	Pet Waste Ordinance, Part 1, Article 1, Section 10-11(f)	Pass ordinance to define handling and removal of domestic pet waste countywide.	Stormwater	Completed	Prior to 2011	Basinwide	Not provided	Not provided	Escambia County
FDOT	N/A	FDOT-040	SR 292 Barrancas Ave. Bridge	(SR 292) Barracas Bridge replacement and stormwater treatment for bridge and roadway.	Stormwater	Completed	Prior to 2011	846C	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-041	US Hwy. 98 Navy Blvd. Bridge Replacement	Bayou Chico US Hwy. 98 (Navy Blvd.) Bridge replacement and stormwater treatment for 4-lane bridge where no treatment was provided previously.	Stormwater	Completed	Prior to 2011	846C	Not provided	Not provided	FDOT
Bayou Chico Association (BCA)	Escambia County/ DEP	BCA-042	Oyster Reef Project	Oyster reef project – Habitat restoration.	Stormwater	Completed	Prior to 2011	846C	Not provided	N/A	BCA/ Escambia County/ DEP
BCA	N/A	BCA-043	Bayou Chico Channel Dredging	Remove restrictive piling to open channel and increase flushing in tributaries of bayou.	Stormwater	Completed	2016	846C	\$68,000	N/A	BCA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
BCA	N/A	BCA-044	Aeration Systems in Tributary (Jones Creek)	Install aeration systems to break down waste and allow aerobic activity and bacterial digestion.	Stormwater	Underway	TBD	846C	Not provided	Not provided	BCA
BCA	N/A	BCA-045	Floating Islands	Promote use of BioHaven® to enhance wetland functions and improve water quality.	Stormwater	Underway	TBD	846C	Not provided	Not provided	BCA
BCA	Marina Owner	BCA-046	Clean Marina – Clean Boatyard	Clean Marina Clean Boatyard – Pensacola Shipyard.	Stormwater	Completed	Prior to 2011	846C	Not provided	Not provided	Marina Owner
BCA	Marina Owner	BCA-047	Pumpout	Clean Marina – Bahia Mar Marina.	Stormwater	Completed	Prior to 2011	846C	Not provided	Not provided	Marina Owner
BCA	Marina Owner	BCA-048	Clean Marina	Clean Marina – Palm Harbor Marina.	Stormwater	Completed	Prior to 2011	846C	Not provided	Not provided	Marina Owner
BCA	Marina Owner	BCA-049	Clean Marina	Clean Marina – Island Cove Marina.	Stormwater	Completed	Prior to 2011	846C	Not provided	Not provided	Marina Owner
BCA	Marina Owner	BCA-050	Clean Marina	Clean Marina – Harbor View Marina.	Stormwater	Completed	Prior to 2011	846C	Not provided	Not provided	Marina Owner
BCA	Marina Owner	BCA-051	Clean Marina	Clean Marina Program – Pensacola Yacht Club.	Stormwater	Completed	Prior to 2011	846C	Not provided	Not provided	Marina Owner
BCA	Local Business Sponsors	BCA-052	Pumpout Facilities	Pumpout facilities (3, including mobile unit).	Stormwater	Completed	Prior to 2011	846	Not provided	Not provided	Funding from local business sponsors and grants through state
BCA	Marine Industry Operations and Ship or Commercial Boat Operators	BCA-053	Marine Industry Operations	Marine industry operations – Obtain NPDES stormwater permit.	Stormwater	Completed	Prior to 2011	846	Not provided	Not provided	Permittees consist of marine industry operations and ship or commercial boat operators
FWC	N/A	FWC-054	Compliance and Inspection Sweeps	Compliance and inspection sweeps for noncompliance on moored and live-aboard vessels.	Stormwater	Completed	Prior to 2011	846	Not provided	Not provided	FWC
BCA	N/A	BCA-055	Public Awareness and Outreach Campaign	Public awareness and outreach campaign (brochures/neighborhood outreach on pet waste, leaking oil, fertilizers, soaps, and detergents).	Stormwater	Completed	2015	846C	Not provided	Not provided	Not provided
BCA	N/A	BCA-056	Bayou Chico Dredging	Bayou Chico dredging.	Stormwater	Underway	TBD	846C	\$10,000,000	N/A	Not provided
City of Pensacola	N/A	COP-057	L and Zarragossa St. Drainage Improvements	New stormwater treatment.	Stormwater	Underway	TBD	846C	\$1,000,000	Not provided	Not provided
City of Pensacola	N/A	COP-058	Pace and Gregory St., Magnet School Baffle Boxes	Pace and Gregory St. magnet school baffle boxes.	Stormwater	Completed	2013	846C	\$230,000	Not provided	Not provided
City of Pensacola	N/A	COP-059	Street Sweeping Program	Street sweeping program.	Stormwater	Completed	2013	846C	\$745,000	Not provided	Not provided
BARC	N/A	BARC-060	Neighborhood Clean Sweep Program	Debris and garbage clean up basinwide.	Stormwater	Completed	2015	Basinwide	N/A	Not provided	Not provided
ECUA	N/A	ECUA-063	Beach Haven	1,720 connections total (half in Bayou Chico).	OSTDS	Underway	TBD	Not provided	\$1,200,000	N/A	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
ECUA	N/A	ECUA-064	West Avery St. Sewer Upgrades	West Avery St. sewer upgrades.	Sanitary Sewer	Completed	2013	846C	Not provided	N/A	Not provided
Escambia County	N/A	Escambia County-065	Neighborhood Clean Sweeps/ Clean Ups	Neighborhood Clean Sweeps/ clean ups.	Stormwater	Completed	2013	Basinwide	\$50,000	Not provided	Not provided
Escambia County	N/A	Escambia County-066	Monitoring Plan Implementation	Monitor water quality to identify additional sources and assess water quality trends.	Source Identification Activities	Completed	2013	Basinwide	Not provided	Not provided	Not provided
FDOT	N/A	FDOT-067	MS4 Implementation	MS4 implementation.	Stormwater	Completed	2013	Basinwide	Not provided	Not provided	Not provided
FDOT	N/A	FDOT-068	FDOT Drainage Connection Program	Program will regulate and prescribe conditions for ansfer of stormwater to FDOT rights-of-way.	Stormwater	Completed	2013	Basinwide	Not provided	Not provided	Not provided
Escambia County	N/A	Escambia County and ECUA-069	Lakeview St. Drainage Improvements Phase II	Construction of new stormwater infrastructure in Kupfiran Park area.	Stormwater	Underway	TBD	846C	\$400,000	Not provided	Not provided
Escambia County	N/A	Escambia County and Area Housing Commission-070	Jones Creek East Stream Restoration	Restoration of 1,200 LF of East Jones Creek between Navy Blvd. and Old Corry Field Rd.; includes stream enhancement, floodplain expansion, riparian wetland restoration, invasive exotic species eradication, and elevated educational boardwalk.	Stormwater	Completed	2013	846A	\$400,000	Not provided	Not provided
Escambia County	N/A	Escambia County-071	Lexington Terrace Stormwater Retrofit	Construction of 4-ac stormwater treatment train system to capture and treat 60 ac of existing residential development; includes concrete vaults, dry retention, wet detention elements, and BMP effectiveness monitoring to be conducted postconstruction.	Stormwater	Completed	2013	846A	\$650,000	Not provided	Not provided
Escambia County	N/A	Escambia County-072	Maggie's Ditch Wetland Enhancement Phase I	Expansion of riparian wetlands along 250-ft section of headwaters of northeast arm of Bayou Chico in historical floodplain.	Stormwater	Completed	2013	846C	\$75,000	Not provided	Not provided
Escambia County	N/A	Escambia County and COP-73	Maggie's Ditch Wetland Enhancement Phase II	Expansion of riparian wetlands along 275-ft section of headwater of northeast arm of Bayou Chico in historical floodplain; also includes excavation and disposal of contaminated soils	Stormwater	Completed	2013	846C	\$175,000	Not provided	Not provided
Escambia County	N/A	Escambia County-074	W St. Sedimentation Basin Repairs	Rehabilitation of failed sediment basin; includes dredging basin and installation of new composite weir.	Stormwater	Completed	2013	846C	\$150,000	Not provided	Not provided
Escambia County	N/A	Escambia County and Pensacola State College-075	Southwest Greenway at Pensacola State College Warrington Campus	Construction of 3,000-ft elevated educational boardwalk.	Stormwater	Completed	2013	846A	\$400,000	Not provided	Not provided
Escambia County	N/A	Escambia County-076	Southwest Greenway 3rd Extension	Construction of 3,000-ft elevated educational boardwalk from Decatur St. west crossing Fairfield Dr.; also	Stormwater	Underway	TBD	846A	\$300,000	Not provided	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				includes improvements to 0.5 mi of existing on-grade trail system.							
Escambia County	N/A	Escambia County-077	Jackson Lakes Stormwater Improvements	Construction of improvements to existing Jackson Lakes offline retention system; includes installation of one-way valve system at stormwater inlet and further expansion of littoral area. Repairs required to existing structure after April 2014 flood.	Stormwater	Underway	TBD	846B	\$1,000,000	Not provided	Not provided
Escambia County	N/A	Escambia County-078	Beach Haven Stormwater Improvement Project Phase I	Construction of new stormwater infrastructure for 250 ac of existing residential development along Jones Creek.	Stormwater	Underway	TBD	846A	\$5,000,000	Not provided	Not provided
BCA	N/A	BCA-079	Annual Bayou Chico Clean Up	Annual Bayou Chico cleanup.	Stormwater	Completed	2013	846C	N/A	Not provided	Not provided
City of Pensacola	N/A	COP-080	R and Wright St. Baffle Box	R and Wright St. baffle box.	Stormwater	Underway	TBD	846C	\$350,000	Not provided	Not provided
BARC	N/A	BARC-081	Environmental Symposium 2012	Public outreach and education on TMDLs, numeric nutrient criteria, and water quality.	Stormwater	Completed	2015	Basinwide	N/A	Not provided	Not provided
BARC	N/A	BARC-082	Environmental Symposium 2013	Held in fall with UWF.	Stormwater	Completed	2014	Basinwide	N/A	Not provided	Not provided
BARC	N/A	BARC-083	Stormwater Drain Markings	BARC staff and UWF student volunteers placed 149 Duracast polyurethane curb markers on concrete casing above curbside inlets in areas where stormwater runoff feeds directly to bayou, and distributed stormwater fact sheets to over 1,200 households in area.	Stormwater	Completed	2014	Basinwide	Not provided	N/A	Not provided
City of Pensacola	N/A	COP-084	Bayou Dr. Outfalls into Bayou Chico	Bayou Dr. outfalls into Bayou Chico.	Stormwater	Underway	TBD	846C	\$325,000	Not provided	Not provided
City of Pensacola	N/A	COP-085	Bill Gregory Park Stormwater Treatment Enhancement	Bill Gregory Park stormwater treatment enhancement.	Stormwater	Underway	TBD	846C	\$1,950,000	Not provided	Not provided
Escambia County	N/A	Escambia County-086	Beach Haven Stormwater Improvement Project Phase II	Construction of new stormwater infrastructure for 250 ac of existing residential development along Jones Creek.	Stormwater	Underway	TBD	846A	\$5,000,000	Not provided	Not provided
FDOT	N/A	FDOT-087	IDDE Training	IDDE training.	Stormwater	Completed	2014	Basinwide	N/A	Not provided	Not provided
Escambia County	N/A	Escambia County-088	Jones Creek Floodplain Restoration/ Expansion Project	Reestablish connection to historical floodplain along Jones Creek.	Stormwater	Underway	TBD	846A	\$1,500,00	N/A	Not provided
Escambia County	N/A	Escambia County-089	Jackson Creek Floodplain Restoration/ Expansion Project	Reestablish connection to historical floodplain along Jackson Creek.	Stormwater	Underway	TBD	846B	\$1,500,000	N/A	Not provided
Escambia County	N/A	Escambia County-090	East Jones Creek Stream Restoration	Restore 1,200 LF of East Jones Creek; stream enhancement and natural stream channel restoration	Stormwater	Completed	2015	846A	\$250,000	N/A	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				project; floodplain restoration; wetlands restoration; elevated educational boardwalk.							
Escambia County	N/A	Escambia County-091	Southwest Greenway 4 th Extension	Construction of 1,800-ft elevated educational boardwalk west across Fairfield Dr.	Stormwater	Completed	2015	846A	\$250,000	N/A	Not provided
Escambia County	N/A	Escambia County-092	Corrydale	Restoration of 0.75 ac of wetland in Jones Swamp Wetland Preserve; project is associated with ECUA lift station relocation project.	Stormwater	Underway	TBD	846A	\$100,000	N/A	Not provided
Escambia County	N/A	Escambia County-093	Bayou Chico Dredging Phase I	Planning, design, and permitting of remediation of contaminated Bayou Chico sediments; future phases may include dredging, or other technology, to remove or otherwise mitigate impacts from contaminants in bayou sediments.	Stormwater	Underway	TBD	Basinwide	\$356,850	N/A	Not provided
Escambia County	N/A	Escambia County-094	Jackson Lakes Surface Water Quality Monitoring	Surface water quality monitoring in 3 former borrow pits along Jackson Creek.	Stormwater	Underway	TBD	846B	\$27,000	N/A	Not provided
Escambia County	N/A	Escambia County-095	Jones Swamp Wetland Preserve Management Plan Development and Implementation	Jones Swamp Wetland Preserve Management Plan development and implementation.	Stormwater	Underway	TBD	846A	\$400,000	Not provided	Not provided
BCA	N/A	BCA-096	Barge Cleanup	Barge cleanup at residential location.	Stormwater	Completed	2016	846C	Not provided	N/A	Not provided
City of Pensacola	N/A	COP-097	Sanders Beach Storm Sewer Reconstruction	Also known as Pensacola Yacht Club ditch rplacement – Reroute flow from contaminated (Superfund site) ditch.	Stormwater	Completed	2016	848DA	\$1,250,000	N/A	Not provided
FDOH	N/A	FDOH-098	Environmental Analysis Program	Inspect improperly installed and poorly maintained septic tank systems.	OSTDS	Completed	2016	Basinwide	Not provided	Not provided	Not provided
BARC	N/A	BARC-099	Environmental Symposium 2007	Public outreach and education on water, air, and land use issues and concerns.	Stormwater	Completed	2016	Basinwide	\$2,400	N/A	Not provided
BARC	N/A	BARC-100	BARC Watershed Tour 2007	BARC Watershed Tour 2007 – Public outreach and education on land use and water, and on point and nonpoint source pollution.	Stormwater	Completed	2016	Basinwide	\$1,200	N/A	Not provided
BARC	N/A	BARC-101	Public Education and Outreach	Distribution of brochures on green building design, ecological research programs, LID, sustainability, etc., at various events.	Stormwater	Completed	2016	Basinwide	\$31,000	Not provided	Not provided
BARC	N/A	BARC-102	Bay Day Public Education and Outreach	Distribution of brochures at Bay Day 2007–09 and hands-on environmental education activities.	Stormwater	Completed	2016	Basinwide	Not provided	N/A	Not provided

Hillsborough River BMAP

Background

The Hillsborough River extends over parts of 3 counties, including much of the northeastern quarter of Hillsborough County, a large area of central Pasco County, and a small portion of northwestern Polk County. The Hillsborough River Basin begins east-northeast of Zephyrhills in southeastern Pasco and northwestern Polk Counties. Its headwaters originate in the southwestern portion of the Green Swamp, where it also receives overflow from the Withlacoochee River. The river channel is not clearly defined until the river leaves the swamp. From there, it flows southwesterly 54 miles to upper Hillsborough Bay and drains more than 690 square miles (**Figure D-4**).

The Hillsborough River BMAP was adopted in 2009 to implement six fecal coliform TMDLs in the Hillsborough River Basin: Lower Hillsborough River (WBID 1443E), and intermittently flowing tributaries Blackwater Creek (WBID 1482), New River (WBID 1442), Spartman Branch (WBID 1561), Baker Creek (WBID 1522C), and Flint Creek (WBID 1522A). **Figure D-4** shows the BMAP geographic boundaries. The basins addressed by the BMAP include the urban and suburban areas of Tampa, Plant City, and Lakeland, and agricultural and natural lands.

Status of Projects

From June 2009 through October 2016, 153 projects were reported as completed. Of these projects, 55 were implemented prior to BMAP adoption and 106 are ongoing, maintenance activities.

Frequency of Exceedance

Table D-6 lists the frequency of exceedance of the ten percent threshold fecal coliform criterion for the Cycle 2 assessment verified period (January 1, 2001, to June 30, 2008) (before BMAP adoption in 2009) and from January 1, 2009, to June 30, 2016.

Table D-6. Exceedance frequency for the Class III BMAP WBIDs

WBID Number	Waterbody Name	January 1, 2001, to June 30, 2008 % Exceedance	January 1, 2009, to June 30, 2016 % Exceedance
1443E	Lower Hillsborough River	22	13
1561	Spartman Branch	27	14
1522C	Baker Creek	33	16
1522A	Flint Creek	25	18
1482	Blackwater Creek	25	19
1442	New River	43	28

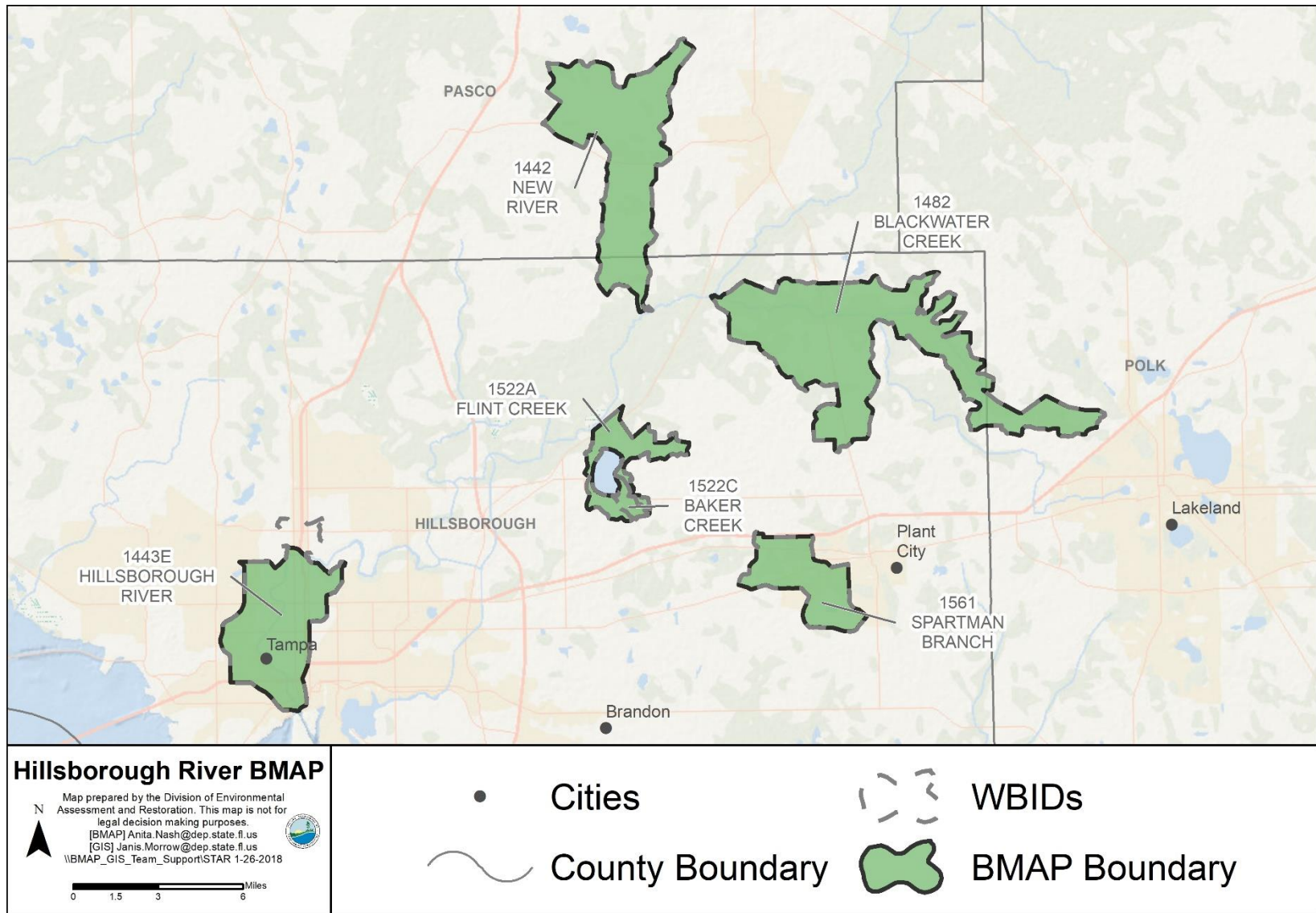


Figure D-4. Hillsborough River BMAP WBIDs

Table D-7. Hillsborough River BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
DEP	PBS&J/ University of South Florida (USF)/ HSW Engineering/ BMAP Steering Committee	BWC-001, LHR-001, NR-001, SBF-001	Microbial Source Tracking	Under contract to DEP, PBS&J is providing services to help identify sources of fecal coliform contamination in 6 Hillsborough River tributaries. Phase I comprises initial screening; Phases II and III (implementation and evaluation of results, respectively) will be developed based on Phase I Work Plan.	Source Identification Activities	Completed	2008	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	\$42,528	N/A	DEP
Pasco County	N/A	BWC-002, NR-002	DNA Source Identification	Source tracking for 3 waters with coliform TMDLs in Pasco County. Funding was included in FY 2008 budget and future funding in subsequent budgets. Once source is identified, testing will focus on identifying its location.	Source Identification Activities	Planned	Not provided	Blackwater Creek, New River	\$100,000	N/A	Pasco County
Hillsborough County	N/A	BWC-003, LHR-002, NR-004, SBF-002	Septic Tank Mapping and Hot Spot Analysis	Update septic tank map using GIS and billing information, and evaluate potential hot spots based on hydrologic and soil conditions.	OSTDS	Completed	2008	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	\$28,000	N/A	Specialized Services Unit Operating Budget
HCHD	Not provided	BWC-004, LHR-003, NR-003, SPF-003	High-Probability Areas Map for Septic System Failure	Areas of high probability for septic system failure were mapped throughout Hillsborough River Basin, not including City of Tampa wastewater or City of Plant City wastewater service areas.	OSTDS	Completed	2007	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	\$1,250	N/A	Not provided
Hillsborough County	USF/ SWFWMD/ Ayres Associates	BWC-005, SBF-004	Bacteriological Source Tracking Study	Study used antibiotic resistance analysis to gain information on probable sources of fecal coliform contamination to Blackwater and Flint Creeks.	Source Identification Activities	Completed	2002	Blackwater Creek, Flint Creek	\$100,000	N/A	Hillsborough County/ SWFWMD
EPCHC	N/A	BWC-006, LHR-004, NR-005, SBF-005	Survey of Stormwater Associated with Industrial Facilities	Survey and identify industrial facilities that operate stormwater management systems.	Stormwater	Completed	2006	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	\$30,080	N/A	EPCHC
HCHD	Not provided	BWC-007, SBF-006	Septic System 200-Ft Setback	Consists of ongoing enforcement. HCHD OSTDS Program has enforced state law on Hillsborough River since late 1980s. Any waivers were made by City of Tampa Water Dept.	OSTDS	Completed	1980s	Blackwater Creek; Spartman Branch, Baker Creek, Flint Creek	N/A	\$2,000	Not provided
Hillsborough County	SWFWMD	BWC-008, LHR-005, NR-008, SBF-007	Officer Snook	This countywide, in-school educational program targeting 2nd graders consists of 30-minute presentations on how students can prevent water pollution in their daily lives. Presentation addresses pet waste as source of pollution.	Stormwater	Canceled	2009	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	N/A	\$9,000	Stormwater Fee plus Cooperative Funding

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Hillsborough County	SWFWMD	BWC-009, LHR-006, NR-009, SBF-008	Stormwater Ecologist Education Program	Program targets Grades 3 through 12. Students participate in critical thinking activities, demonstrations, and volunteer projects that highlight stormwater pollution and address pet waste, agricultural waste, septic systems, and water treatment plant overflow as they relate to stormwater pollution.	Stormwater	Completed	2009	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	N/A	\$9,000	Stormwater Fee Plus Cooperative Funding
Hillsborough County	N/A	BWC-010, LHR-007, SBF-009	Pet Waste Campaign Study	Social marketing study on effectiveness of pet waste public education vs. ordinance enforcement.	Stormwater	Planned	Not provided	Blackwater Creek; Lower Hillsborough River; Spartman Branch, Baker Creek, Flint Creek	\$24,000	N/A	Specialized Services Unit Operating Budget
Hillsborough County	SWFWMD	BWC-011, LHR-008, SPF-010	LakeWatch and Hillsborough County Stream Water Watch	Public education on pollution prevention and BMPs through volunteer monitoring networks on lakes and streams in Hillsborough County. Includes data analysis of samples collected for nutrients.	Stormwater	Completed	2001	Blackwater Creek; Lower Hillsborough River; Spartman Branch, Baker Creek, Flint Creek	N/A	\$116,000	Stormwater Operating Budget/ SWFWMD Cooperative Funding
Hillsborough County	SWFWMD	BWC-012	2 Adopt-a-Ponds in Blackwater Creek Watershed	Pond restoration and environmental education.	Stormwater	Completed	1997	Blackwater Creek	N/A	\$138,000	Stormwater Operations Budget
Polk County	Not provided	BWC-013	Polk County Land Development Regulations	Adopted in 2000, contains many ordinances, including Surface Water Protection Ordinance. Development within 200 ft of ordinary high-water line (OHWL) of lakes and streams, enhanced septic tank drainfield location requirements. Requires undisturbed vegetative buffer averaging 25 ft wide (15-ft minimum) to all jurisdictional wetland lines or surface waters. Requires revegetation of surface water protection zone following construction. Additional limitations specific to mining activities in this zone are also included.	OSTDS	Completed	2000	Blackwater Creek	Not provided	Not provided	Not provided
City of Plant City	N/A	BWC-014, SBF-030	Plant City Stormwater Inlet Marking Program	Ongoing program to apply plaques to stormwater inlets that state in English and Spanish, "DO NOT POLLUTE THE WATER. DUMP NO WASTE. IT'S THE LAW." Printed educational pamphlets are distributed to residents in areas where plaques are applied, stressing importance of pollution prevention and describing BMPs that can be used to prevent pollution.	Stormwater	Completed	2009	Blackwater Creek; Spartman Branch, Baker Creek, Flint Creek	N/A	\$1,000	Utilities Revenues
Pasco County	SWFWMD	BWC-015, NR-	New River and Hillsborough River WMPs in Pasco County	Ardaman and Associates is under contract to develop a solid waste management master plan (SWMMP). Currently, \$600,000 is available, with additional funding in 2007-08 and 2008-09. Water	Stormwater	Completed	2009	Blackwater Creek	\$1,600,000	N/A	Pasco County, SWFWMD

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				quality portion of plan will focus on existing TMDLs. Program has been delayed because of FEMA Flood Map revisions.							
FDACS	Agricultural Producers	BWC-016, BWC-027, NR-011, SBF-014	Agricultural BMPs – FDACS BMP Program	Enroll agricultural producers in FDACS Farm BMP Program.	Stormwater	Completed	2009	Blackwater Creek; New River; Spartman Branch, Baker Creek, Flint Creek	Amount depends on BMPs implemented	Not provided	Agricultural Producers, with cost-share as available from legislative appropriations and partnering agencies
Hillsborough County	DEP	BWC-017	Cone Ranch Restoration Project	Project restored hydroperiod to 400 acres of ditched and drained wetlands in agricultural pasture. Seven constructed wetland ponds were created in project area for stormwater treatment. Project resulted in calculated TN load reduction of 331 lbs/yr.	Stormwater	Completed	1999	Blackwater Creek	\$392,000	Not provided	EPA 319(h) Grant/ in-kind services from project partners
City of Plant City	SWFWMD/ Hillsborough County/ DEP	BWC-018	McIntosh Park Water Quality/Wetland Enhancement	Wetland creation and enhanced stormwater treatment using alum. Project resulted in calculated TN load reduction of 2,702 lbs/yr.	Stormwater	Completed	2006	Blackwater Creek	\$3,824,564	Not provided	EPA 319(h) Grant/ in-kind services from project partners
City of Plant City	N/A	BWC-019, SBF-031	Plant City Spill Prevention/Response Program	Address SSOs and other spill incidents to prevent introduction of pollutants to environment.	Sanitary Sewer	Completed	2009	Blackwater Creek; Spartman Branch, Baker Creek, Flint Creek	N/A	\$50,000	Utilities Revenues
City of Plant City	N/A	BWC-020, SBF-032	Plant City Sewer Line Maintenance Program	Ongoing program to maintain over 120 mi of sanitary sewer lines. This includes repair of all associated manholes and connection of new service laterals to main collection lines. Program helps prevent both I&I of groundwater to collection system and exfiltration of wastewater to groundwater and surface water.	Sanitary Sewer	Completed	2009	Blackwater Creek; Spartman Branch, Baker Creek, Flint Creek	\$1,500,000	\$10,000	Utilities Revenues
City of Plant City	N/A	BWC-021, SBF-033	Plant City Lift Station Security Program	Maintain basic security (fences, gates, locks) for sanitary sewer lift stations. Currently 30 of 50 stations are secured in this fashion.	Sanitary Sewer	Completed	2009	Blackwater Creek; Spartman Branch, Baker Creek, Flint Creek	N/A	\$10,000	Utilities Revenues
City of Plant City	Florida Dept. of Community Affairs (FDCA)	BWC-022, SBF-034	Plant City Lift Station Auxiliary Power Program	Maintain auxiliary power generators at sanitary sewer lift stations. Currently, 21 of 50 stations have permanent onsite generators; 8 portable generators are also available as needed	Sanitary Sewer	Completed	2009	Blackwater Creek; Spartman Branch, Baker Creek, Flint Creek	N/A	\$130,000	Utilities Revenues/ FDCA Grant
City of Plant City	FDCA	BWC-023	Plant City Lift Station Maintenance	Annual maintenance of 50 lift stations.	Sanitary Sewer	Completed	2009	Blackwater Creek	N/A	\$500,000	Utilities Revenues/ FDCA Grant
City of Plant City	N/A	BWC-024, SBF-028	Plant City I&I Program	Clean, carry out video inspection of, and grout sanitary sewer lines and manholes.	Sanitary Sewer	Completed	2009	Blackwater Creek; Spartman Branch, Baker Creek, Flint Creek	\$1,500,000	N/A	Utilities Revenues

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
City of Plant City	N/A	BWC-025	Plant City Grease Management Program	Inspect, monitor, and educate facilities that generate cooking oil and grease to ensure BMPs are in use and that pretreatment systems are being managed properly.	Sanitary Sewer	Completed	2009	Blackwater Creek	N/A	\$50,000	Utilities Revenues
HCHD	EPCHC	BWC-026, LHR-026, NR-012, SBF-019	Septic System Complaint Response	Respond to citizen complaints on sanitary sewer and septic system discharges.	Sanitary Sewer	Completed	2009	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	N/A	\$1,250	EPCHC
Hillsborough County	Audubon Ranch/ DEP/ SWFWMD	BWC-027	Floodplain Fencing for Cattle Restriction	Following construction of wetlands rehydration project (joint effort by EPA, DEP, SWFWMD, and Hillsborough County, based on concept developed by Hillsborough River Greenways Task Force) on Tiger Creek, a main tributary to Blackwater Creek on Cone Ranch, Audubon Ranch developed, installed, and maintains new network of fencing designed to keep cattle from entering Tiger Creek tributary. This helps with water quality improvements central to project design. Over past decade, Audubon Ranch has also installed new fencing designed to better control cattle movements and keep cattle from entering Blackwater Creek floodplain and streambed over most of Cone Ranch.	Stormwater	Completed	2009	Blackwater Creek	Not provided	Not provided	EPA/ DEP/ SWFWMD/ Hillsborough County
EPCHC	N/A	BWC-028, NR-013, SBF-020, LHR-027; SF-020	Private Pump Station Identification and Compliance Program	Identify private pump stations in cities of Tampa, Plant City, and Temple Terrace. Establish compliance inspection program to reduce number of SSOs from private pump stations.	Sanitary Sewer	Completed	2005	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	N/A	\$22,200	EPCHC
EPCHC	Hillsborough County/ SWFWMD	BWC-029, LHR-028	Fecal Coliform Monthly Monitoring— Hillsborough County	EPCHC has maintained extensive, comprehensive water quality monitoring program with network of stations throughout Hillsborough County and Tampa Bay since 1974. All sample collection and analysis are conducted in accordance with DEP rules and guidance. EPCHC staff collect monthly water quality samples that are analyzed for bacterial contamination—i.e., fecal coliform and Enterococci—at 38 locations in Hillsborough River Basin. EPCHC also collects bacteria samples from 30 locations representing major and minor tributaries of Hillsborough River; 11 of these are sampled monthly, and 19	Source Identification Activities	Completed	1974	Blackwater Creek; Lower Hillsborough River	N/A	\$4,753	EPCHC

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				locations represent minor tributaries and are sampled quarterly.							
EPCHC	Hillsborough County	BWC-030, LHR-030, NR-016, SBF-022	SSO Database	Maintain database of reported SSOs from Hillsborough County, City of Tampa, and other municipalities. Database quantifies spill amounts and discharge locations.	Sanitary Sewer	Completed	2009	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	Not provided	Not provided	Hillsborough County
EPCHC	Not provided	BWC-031, LHR-032, NR-017, SBF-023	Development and Application of Decision Matrix to Track Progress Towards Water Quality Criteria	Results of monitoring programs are used to assess progress toward water quality improvements through annual application of decision matrix developed by EPCHC in 2007. Decision rule is modeled after one developed by Tampa Bay Estuary Program (TBEP) and used to track water quality in Tampa Bay. Decision matrix includes statistical evaluation of water quality trends in Blackwater Creek watershed and will be applied annually. If water quality trends show degradation or lack of improvement over time, matrix will include definition of types of actions to be considered by implementing partners.	Source Identification Activities	Completed	2007	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	Not provided	Not provided	Not provided
EPCHC	Not provided	BWC-032	Bacterial Contamination Complaint Response to Hillsborough County Health Dept. (HCHD)	Bacterial contamination complaints received by EPCHC possibly caused by septic system failure; complaints forwarded to HCHD for follow up.	Sanitary Sewer	Completed	2009	Blackwater Creek	Not provided	Not provided	Not provided
FDOT	N/A	BWC-033, NR-018	Public Education Program for Tampa Bay Regional Planning Council Distribution	Tampa Bay Regional Planning Council to coordinate selection and distribution of public education programs such as Museum of Science and Industry's (MOSI) Marine Gang, Keep Hillsborough Beautiful, Bay Soundings Environmental Journal, storm drain markers, "All the Way to the Ocean" books, etc.	Stormwater	Completed	1996	Blackwater Creek	N/A	\$65,000	FDOT
HCHD	Not provided	BWC-034, LHR-038, NR-019, SBF-026	Public Health Education Program	Ongoing annual countywide public health education program distributed via permit issuance.	Stormwater	Completed	2009	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	N/A	\$500	Not provided
Pasco County	Not provided	BWC-035, NR-015	Fecal Coliform Quarterly Monitoring	Annual funding for fecal coliform quarterly monitoring for 3 yrs in response to NPDES permit. Quarterly samples are collected at 2 stations: New River at Creek Rd. (Site 15) and Trout Creek at County Line Site 5 (TC-0.0).	Source Identification Activities	Completed	2009	Blackwater Creek	\$6,000	N/A	Not provided
Polk County	Not provided	BWC-036	Stormwater Quality Management Ordinances	Ordinance 93-06 provides protection to surface waters from illicit discharges and	Stormwater	Completed	1993	Blackwater Creek	\$10,000	N/A	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				requires construction BMPs to meet NPDES MS4 permit requirements.							
Polk County	Not provided	BWC-037	Surface Water Protection Ordinance	Ordinance 88-04 regulates setbacks from waterways for installation of OSTDS.	OSTDS	Completed	1988	Blackwater Creek	\$5,000	N/A	Not provided
Polk County	Not provided	BWC-038	Wastewater Residuals Management Ordinance	Ordinance 95-69 applies wastewater residuals management to unincorporated areas of Polk County.	Sanitary Sewer	Completed	1995	Blackwater Creek	\$10,000	N/A	Not provided
Polk County	N/A	BWC-039	Drainage Maintenance on Blackwater Creek	Annual removal of debris and snags from Blackwater Creek.	Stormwater	Completed	2009	Blackwater Creek	N/A	\$9,000	County
Polk County	N/A	BWC-040	Water Quality Ambient Monitoring for Blackwater Creek	Yearly monitoring of water quality in Blackwater Creek.	Source Identification Activities	Completed	2009	Blackwater Creek	N/A	\$5,200	County
Polk County	N/A	BWC-041	Illicit Discharge Complaint Investigations	Complaint investigations of NPDES illicit discharges on Blackwater Creek and Itchepackesassa Creek.	Stormwater	Completed	2009	Blackwater Creek	N/A	\$100	County
Polk County	N/A	BWC-042	Blackwater Creek WMP	Prepared easement documents for parcels acquired for maintenance for flood control.	Stormwater	Completed	2004	Blackwater Creek	\$206,000	N/A	County
Polk County	N/A	BWC-043	Routine Maintenance Erosion Control	Routine erosion-control maintenance countywide.	Stormwater	Completed	2009	Blackwater Creek	N/A	\$25,000	County
Polk County	N/A	BWC-044	MSTU	Establish MSTU for stormwater tax collection.	Stormwater	Completed	2013	Blackwater Creek	N/A	\$1,000,000	County
Polk County	N/A	BWC-045	Mapping High Probability for Septic Tank Failures	Not provided	OSTDS	Completed	2014	Blackwater Creek	Not provided	Not provided	County
City of Plant City	N/A	BWC-046; SBF-035	Plant City WRF Fecal Coliform Bacteria Reduction Plan	Implementation of operational protocol at city WRF to reduce bacteriological contamination in effluent.	Sanitary Sewer	Completed	2009	Blackwater Creek; Spartman Branch, Baker Creek, Flint Creek	N/A	\$72,000	City
Polk County	N/A	BWC-046	Pet Waste Campaign Study	Provide educational materials and portable pet waste bag containers at public functions.	Stormwater	Completed	2015	Blackwater Creek	N/A	\$2,000	County
Polk County	N/A	BWC-047	Monitoring for <i>E. coli</i>	Expanded ambient monitoring program to include <i>E. coli</i> .	Source Identification Activities	Completed	2015	Blackwater Creek	Not provided	Not provided	County
EPCHC	N/A	BWC-048, LHR-050, NR-021, SBF-037	Evaluation of Progress Towards Water Quality Improvements	Results of monitoring programs will be used to assess progress toward water quality improvements. Monitoring results will be reviewed annually to determine water quality trends over time. Results will be applied to decision matrix developed by DEP/EPCHC so that appropriate action in Blackwater Creek Watershed can be identified to implementing partners.	Source Identification Activities	Planned	Not provided	Blackwater Creek; Lower Hillsborough River; New River; Spartman Branch, Baker Creek, Flint Creek	N/A	Not provided	EPCHC
Polk County	N/A	BWC-048	Stormwater Inlet Labeling	Affix "Do Not Dump" decals on stormwater inlets.	Stormwater	Completed	2015	Blackwater Creek	N/A	\$1,000	County
Polk County	N/A	BWC-049	SSO Database	Maintain database of reported SSOs.	Sanitary Sewer	Completed	2015	Blackwater Creek	Not provided	Not provided	County

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Polk County	FDOH	BWC-049	Public Education Septic System Program	Flyers provided with septic system permits.	OSTDS	Completed	2015	Blackwater Creek	Not provided	Not provided	County/ FDOH
Polk County	N/A	BWC-049	MS4 Outfall Inventory	MS4 outfall inventory.	Stormwater	Completed	Not provided	Blackwater Creek	Not provided	Not provided	County
Polk County	N/A	BWC-050	Environmental Public Education Programs at Circle B Preserve	Student ecology programs given at Circle B Preserve.	Stormwater	Completed	2015	Blackwater Creek	Not provided	\$60,000	County
Polk County	N/A	BWC-050	Fertilizer Ordinance	Fertilizer ordinance implementation.	Stormwater	Completed	2013	Blackwater Creek	Not provided	Not provided	County
Polk County	N/A	BWC-051	Sanitary Sewer Line Maintenance Program	Inspect and repair sanitary sewer lines (1.5 mi in Blackwater Creek)	Sanitary Sewer	Completed	2015	Blackwater Creek	Not provided	Not provided	County
Polk County	N/A	BWC-058	Inspection of Stormwater at Industrial Facilities	Stormwater inspections at industrial facilities.	Stormwater	Completed	2015	Blackwater Creek	Not provided	\$1,200	County General Fund
Polk County	N/A	BWC-059	Sanitary Sewer Line I&I Program	Conduct I&I testing on sewer lines (1.5 mi in Blackwater Creek).	Sanitary Sewer	Completed	2015	Blackwater Creek	Not provided	Not provided	County
Polk County	N/A	BWC-060	Septic System Complaint Response	Respond to complaints; coordinate with FDOH and county code enforcement staff.	Sanitary Sewer	Completed	2015	Blackwater Creek	Not provided	Not provided	County
City of Lakeland	BMAP Stakeholders	COL-284	Participate in Hillsborough Tributaries BMAP Monitoring Team (HTBMT) Calls and Efforts	Continue participation in Hillsborough River and Tributaries Assessment Team (HRTAT) coordination calls and other related efforts.	Source Identification Activities	Completed	2015	City of Lakeland	Not provided	Not provided	City
City of Lakeland	N/A	COL-285	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	City of Lakeland	Not provided	Not provided	City
City of Lakeland	N/A	COL-286	Sample Analysis	Monthly monitoring of up to 2 stations, with adjustments made as needed, and follow up on high counts per HRTAT protocol. Samples will be analyzed for both fecal coliform and <i>E. coli</i> .	Source Identification Activities	Completed	2015	City of Lakeland	Not provided	Not provided	City
City of Lakeland	N/A	COL-288	Tributary Clean Up and Search for Illicit Connections	Promote community awareness of waterbodies' health, organize annual community clean ups, and inspect for illicit connections. Provide FDACS with locations of bovine access to creeks.	Stormwater	Completed	2015	City of Lakeland	Not provided	Not provided	City
City of Lakeland	N/A	COL-290	Follow-up to 2014 Walk the WBID	City staff followed up with industrial facilities to discuss stormwater pollution prevention.	Source Identification Activities	Completed	2015	City of Lakeland	Not provided	Not provided	City
City of Plant City	BMAP Stakeholders	COPC-284	Participate in HTBMT Calls and Efforts	Participation in monthly HTBMT coordination calls and other HTBMT efforts.	Source Identification Activities	Completed	2015	City of Plant City	Not provided	Not provided	City
City of Plant City	N/A	COPC-285	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	City of Plant City	Not provided	Not provided	City
City of Plant City	N/A	COPC-286	Assistance with Sample Analysis	Assistance with BMAP monitoring for fecal coliform, with adjustments made as needed, and follow up on high counts per HRTAT protocol.	Source Identification Activities	Completed	2015	City of Plant City	Not provided	Not provided	City
City of Plant City	N/A	COPC-288	Non-MS4 Tributary Search for Illicit Connections	Prioritize segments of creeks based on land use and historical problems. Inspect priority segments annually or more often	Stormwater	Completed	2015	City of Plant City	Not provided	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				as needed to look for illicit connections on banks of tributary.							
City of Plant City	N/A	COPC-289	Implement Procedures to Maintain Stormwater Flow to Tributaries	Procedures to ensure stormwater projects return water to streams when designing stormwater treatment and flood prevention and relief projects.	Stormwater	Completed	2015	City of Plant City	Not provided	Not provided	City
City of Plant City	N/A	COPC-290	Walk the WBID Follow Up	Address action items identified as result of 2014 Walk the WBID.	Source Identification Activities	Completed	2015	City of Plant City	Not provided	Not provided	City
City of Plant City	N/A	COPC-291	Alleyway Sanitary Sewer Lining Project	Sewer lining for problematic lines in designated alleyways.	Sanitary Sewer	Completed	2016	City of Plant City	\$1,581,500	N/A	City
City of Tampa	BMAP Stakeholders	COT-284	Participate in HTBMT Calls and Efforts	Participation in monthly HTBMT coordination calls and other HTBMT efforts.	Source Identification Activities	Completed	2015	City of Tampa	Not provided	Not provided	City
City of Tampa	N/A	COT-285	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	City of Tampa	Not provided	Not provided	City
City of Tampa	N/A	COT-286	Sample Analysis	Analyze 12 samples/yr for fecal coliform.	Source Identification Activities	Completed	2015	City of Tampa	Not provided	Not provided	City
City of Tampa	N/A	COT-288	Inspect and Inventory Sanitary Sewer Pop-Off Sites	Update GIS layer to reflect location of all pop-offs to Lower Hillsborough River; notate which have been plugged; inspect plugs	Sanitary Sewer	Completed	2015	City of Tampa	Not provided	Not provided	City
City of Tampa	N/A	COT-290	Walk the WBID Follow Up	Address action items identified as result of 2014 Walk the WBID.	Source Identification Activities	Completed	2015	City of Tampa	Not provided	Not provided	City
DEP	N/A	DEP-001	WWTF Follow-Up	Inspect WWTFs in Blackwater Creek and New River Watersheds, outside Hillsborough County.	Sanitary Sewer	Completed	2015	Hillsborough River Basin	Not provided	Not provided	DEP
DEP	N/A	DEP-002	Source Identification Monitoring for Human Waste Indicators	Actively monitor BMAP WBIDs for human waste sources. Follow up on human waste sources identified with cooperation of local entities to eliminate identified sources.	Source Identification Activities	Completed	2015	Hillsborough River Basin	Not provided	Not provided	DEP
DEP	BMAP Stakeholders	DEP-003	Facilitate HTBMT Calls and Efforts	Facilitate participation in HTBMT coordination calls and other HTBMT efforts.	Source Identification Activities	Completed	2015	Hillsborough River Basin	Not provided	Not provided	FDOH
FDOH	N/A	DOH-100	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	Hillsborough River Basin	Not provided	Not provided	FDOH
FDOH	BMAP Stakeholders	DOH-101	Participate in HTBMT Calls and Efforts	Continue participation in HTBMT coordination calls and other HTBMT efforts.	Source Identification Activities	Completed	2015	Hillsborough River Basin	Not provided	Not provided	FDOH
FDOH	N/A	DOH-102	Florida Water Management Inventory	Identify drinking water source and wastewater treatment method for all built parcels in BMAP study area. Reporting will consist of GIS maps and summary tables.	Source Identification Activities	Completed	2017	Hillsborough River Basin	\$50,000	N/A	FDOH

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
FDACS	N/A	FDACS-001	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	Hillsborough River Basin	Not provided	Not provided	FDACS
FDOT	N/A	FDOT-001	IDDE Training	Mandatory IDDE training for FDOT staff and contractors.	Stormwater	Completed	2015	Hillsborough River Basin	Not provided	Not provided	FDOT
Hillsborough County	BMAP Stakeholders	HCPWD-284	Participate in HTBMT Calls and Efforts	Participate in monthly HTBMT coordination calls and other HTBMT efforts.	Source Identification Activities	Completed	2015	Throughout Hillsborough County	Not provided	Not provided	County
Hillsborough County	N/A	HCPWD-285	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	Throughout Hillsborough County	Not provided	Not provided	County
Hillsborough County	N/A	HCPWD-290	Walk the WBID Follow Up	Address any action items identified as result of 2014 Walk the WBID.	Source Identification Activities	Completed	2015	Throughout Hillsborough County	Not provided	Not provided	County
Hillsborough County	N/A	HCPWD-291	Public Education	Operate countywide public education programs and support existing regional programs.	Stormwater	Completed	2015	Throughout Hillsborough County	Not provided	Not provided	County
City of Tampa	USF/ Hillsborough County	LHR-009	City of Tampa Interactive Watershed Atlas	USF was contracted to develop interactive, web-based Watershed Atlas for city. This comprehensive data resource helps citizens and scientists make informed decisions on water resources. Educational elements are built into atlas informing public of stormwater system, pollution, and TMDL activities. Beginning in 2009, USF will be contracted to continually update and improve content and public education in atlas.	Stormwater	Completed	2010	Lower Hillsborough River	\$35,000	\$25,000	City
Hillsborough County	SWFWMD	LHR-010	10 Adopt-a-Ponds in Lower Hillsborough River (LHR) Watershed	Pond restoration and environmental education.	Stormwater	Completed	2004	Lower Hillsborough River	N/A	\$138,000	Specialized Services Unit Operating Budget
City of Tampa	N/A	LHR-011	North Tampa Pond Enlargements – Orchid Sink Retention Pond	Stormwater Dept. constructed retention pond at Orchid Sink to help improve drainage that treats 160 ac of residential land. Orchid Sink eventually drains to Lower Hillsborough River. Project is currently maintained by Tampa Stormwater Dept.	Stormwater	Completed	2002	Lower Hillsborough River	\$1,300,000	Not provided	City General Fund
City of Tampa	N/A	LHR-012	Lowry Park Zoo Stormwater Rehabilitation	Construction of 2-ac wet detention system to treat runoff from 100-ac basin.	Stormwater	Completed	2002	Lower Hillsborough River	\$345,000	Not provided	City General Fund
Hillsborough County	N/A	LHR-013	Stormwater Research Facility at 132nd St. and Taliaferro	Stormwater Dept. constructed retention pond along Sligh Ave. in Lowry Park Zoo. Retention pond accepts drainage from ditch via west, provides treatment to this drainage, and then discharges via ditch to Lower Hillsborough River.	Stormwater	Completed	2009	Lower Hillsborough River	\$1,400,000	Not provided	Not provided
City of Temple Terrace	FDOT/ SWFWMD SWIM	LHR-014	FDOT 56th St. Retrofit	Installation of CDS unit into existing stormwater system.	Stormwater	Completed	2003	Lower Hillsborough River	Not provided	Not provided	FDOT/ SWFWMD SWIM

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
City of Tampa	N/A	LHR-015	Tampa–Wastewater Collection System Study	Wastewater Dept. conducted comprehensive survey of wastewater collection system to prioritize areas that should be scheduled for replacement, relining, and/or repair. Study factored in prior occurrences of wastewater overflows and bypasses.	Sanitary Sewer	Completed	2007	Lower Hillsborough River	Not provided	Not provided	City
City of Tampa	N/A	LHR-016	Nebraska SR 69 to Hillsborough Ave. Pipeline Improvements	FDOT will construct improvements along Nebraska Ave. between SR 60 and Hillsborough Ave. Wastewater Dept. has identified several defects in gravity sewers in this corridor that could cause failures that would damage new roadway. To prevent possible damage to roadway, Wastewater Dept. plans to rehabilitate defective pipelines. Failure of these pipelines could also cause wastewater overflow that could enter Hillsborough River through stormwater collection system.	Sanitary Sewer	Planned	Not provided	Lower Hillsborough River	Not provided	Not provided	City Wastewater Enterprise Fund
City of Tampa	N/A	LHR-017	Tampa–Emergency Generators at Hanna Pump Station	Backup emergency generators installed to maintain Hanna pump station in event of power outage. This will prevent overflows and bypasses directly to Hillsborough River.	Sanitary Sewer	Completed	2007	Lower Hillsborough River	\$265,000	Not provided	City Wastewater Enterprise Fund
City of Tampa	Not provided	LHR-018	Tampa–Grease Ordinance	City enacted grease ordinance that prohibits discharge of grease and establishes inspection program for businesses. Grease ordinance should significantly reduce number of blockages that contribute to overflows. Enforcement of grease ordinance is supported by 2 full-time equivalent (FTE) positions funded by city's Wastewater Enterprise Fund.	Sanitary Sewer	Completed	2006	Lower Hillsborough River	N/A	\$100,000	Not provided
City of Tampa	N/A	LHR-019	12th St. Force Main Replacement	Force main replacement along 12th St. in area where there was 22-mg release in past.	Sanitary Sewer	Completed	2007	Lower Hillsborough River	\$17,000,000	N/A	City of Tampa
City of Tampa	FDOT District 7/ SWFWMD	LHR-020	River Tower Park Shoreline Restoration and Stormwater Improvements	City will restore northern bank of Hillsborough River from I-275 to Florida Ave. Project will stabilize bank, provide habitat, and improve water quality. Project will also include stormwater treatment controls for runoff from I-275 and contributing drainage area.	Stormwater	Planned	Not provided	Lower Hillsborough River	\$2,100,000	Not provided	City of Tampa/ FDOT
City of Tampa	Not provided	LHR-021	City of Tampa Riverwalk Project	Tampa Riverwalk project will create 15-foot walkway and bike path along east banks of Hillsborough River and Garrison Channel. Pedestrian-friendly walkway will be 2.2 mi long and will integrate various activities and destinations in downtown area by linking them with attractive	Stormwater	Planned	Not provided	Lower Hillsborough River	\$40,000,000	Not provided	City, State, Federal, Private funds

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				promenade with vibrant public art. Project will provide significant opportunities for public to connect with river. To benefit from this opportunity, city will construct public educational displays and information on stormwater control and treatment, and on importance of cleaning up pet waste. Stations will be constructed for dog waste cleanup and disposal.							
Hillsborough County	N/A	LHR-022	Claonia-May Stormwater Pond	Long detention pond with skimmer.	Stormwater	Completed	2000	Lower Hillsborough River	\$160,000	Not provided	CIP Project Monies
Hillsborough County	Not provided	LHR-023	Curiosity Creek Phase III	Not provided.	Stormwater	Completed	2004	Lower Hillsborough River	\$567,000	Not provided	Not provided
Hillsborough County	Not provided	LHR-024	Sharon Dr. Stormceptor™	Not provided.	Stormwater	Completed	2002	Lower Hillsborough River	\$112,000	Not provided	Not provided
Hillsborough County	Not provided	LHR-025	58th St. and 122nd Ave. Retention Pond	Not provided.	Stormwater	Completed	2002	Lower Hillsborough River	\$456,000	Not provided	Not provided
EPCHC	DEP/ City of Tampa	LHR-029	Tracking of City of Tampa Consent Order	Track progress of City of Tampa consent order addressing SSOs and other problems with sanitary sewer collection system; target completion date is 2012. Consent Order completed April 16, 2013.	Sanitary Sewer	Completed	2013	Lower Hillsborough River	N/A	\$1,750	EPCHC Budget
DEP	SWFWMD from 1999–2004; all monitoring now conducted by DEP	LHR-031	Surface Water Temporal Variability Network Monitoring Site	Sampling at site is part of multiyear temporal variability (Trend) monitoring network that consists of 13 surface water sites (SWTV) and 11 groundwater sites (GWTV) within SWFWMD boundary. Sites are part of Surface Water Temporal Variability Network in DEP's Watershed Monitoring Program. Data from this fixed station design network are used to examine changes in water quality and flow over time throughout area, and are used in concert with Status Network (random surface water and groundwater stations) to provide scientifically defensible information on important chemical, physical, and biological characteristics of surface waters and major aquifer systems of area/basin and state. Both networks are designed to measure condition using variety of threshold values. Resources monitored by temporal variability monitoring network include rivers, streams, and confined and unconfined aquifers. Data on fecal coliform and Enterococci levels from Hillsborough River surface water site (Station # FLO 13 33 0) are available from DEP.	Source Identification Activities	Completed	1999	Lower Hillsborough River	N/A	\$385,000	EPA 694 funds

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
EPCHC	Not provided	LHR-033, SBF-024	Bacterial Contamination Complaint Response to HCHD	Bacterial contamination complaints received by EPCHC possibly caused by septic system failure; complaints forwarded to HCHD for follow up.	OSTDS	Completed	2009	Lower Hillsborough River; Spartman Branch, Baker Creek, Flint Creek	Not provided	Not provided	Not provided
City of Tampa	SWFWMD/ FDOT	LHR-034	Robles Park Water Quality and Natural Systems Improvement	Not provided.	Stormwater	Planned	Not provided	Lower Hillsborough River	Not provided	Not provided	Not provided
FDOT	City of Tampa	LHR-036	Street Sweeping Curb and Bridge Roadway Sections	Street sweeping of all interstate roadway sections with curb and bridges in Hillsborough County, and street sweeping of all FDOT roadways with curb in City of Tampa.	Stormwater	Completed	2009	Lower Hillsborough River	N/A	Not provided	FDOT
City of Tampa	FDOT	LHR-036	City of Tampa Street Sweeping Maintenance	Regularly scheduled street sweeping in residential and business areas with curb and gutter. Residential area sweeping covers about 1,860 CM. Commercial area covers about 140 CM.	Stormwater	Completed	2015	Lower Hillsborough River	N/A	Not provided	City Stormwater Utility/ FDOT
FDOT	N/A	LHR-037, SBF-025	Public Education Program for Tampa Bay Regional Planning Council	Provide variety of program components targeting school age children, working residents, retirees, and all those in between. Key element of this regional education effort is "Bay Soundings," quarterly news journal that provides full range of public education and scientific information on watershed management.	Stormwater	Completed	1996	Lower Hillsborough River; Spartman Branch, Baker Creek, Flint Creek	N/A	\$115,000	FDOT
City of Tampa	N/A	LHR-039	North Blvd. Siphon Rehabilitation Project	Project includes rehabilitation of 300 LF of 24-in diameter CIPP gravity sewer line and 770 LF of 20-in diameter CIP siphon at North Blvd. Bridge River Crossing (North Blvd. and Ross Ave.). Work also includes rehabilitation of 1 inlet structure. Project should take 4 to 6 wks to complete.	Sanitary Sewer	Completed	2009	Lower Hillsborough River	\$350,000	N/A	City
City of Tampa	N/A	LHR-040	Manhole Rehabilitation Project	City has 2 contracts for manhole rehabilitation: (1) insertion of fiberglass liner into existing manhole; and (2) application of calcium aluminate cementitious structural coating system that is sprayed onto existing walls of manhole. Project locations are identified routinely.	Sanitary Sewer	Completed	2007	Lower Hillsborough River	N/A	\$750,000	City
City of Tampa	SWFWMD	LHR-041	Urban Lake Rescue – Lake Roberta	With funding from SWFWMD, city installed NSBB to capture pollutants in stormwater before they entered Lake Roberta. Additionally, exotic vegetation was removed and littoral shelf was planted with arrowhead and pickerelweed. Engineering controls were constructed in lake to improve residence time for stormwater treatment.	Stormwater	Completed	2008	Lower Hillsborough River	\$272,000	Not provided	SWFWMD Cooperative Funding (City 50 % Match)
City of Tampa	FDOT	LHR-042	Downstream Defender – Lake Roberta	On west side of Lake Roberta, stormwater drainage from Nebraska Ave. contributes	Stormwater	Completed	2006	Lower Hillsborough River	\$140,000	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				large amount of trash and debris. City and FDOT partnered to install sediment and trash collection divide to treat stormwater prior to entering lake. Offline unit, Downstream Defender, was installed and is being maintained by Tampa Stormwater Dept.							Stormwater Utility/ FDOT
City of Tampa	FDOT	LHR-043	Epps Park Sediment Trap Installation	City in partnership with FDOT installed series of 6 sediment traps near Epps Park. Sediment traps capture trash and debris, preventing these materials from being discharged to Hillsborough River. Tampa Stormwater Dept. crews maintain and operate sediment traps, removing debris on routine basis.	Stormwater	Completed	2003	Lower Hillsborough River	\$350,000	Not provided	City Stormwater Utility/ FDOT
City of Tampa	FDOT/ SWFWMD	LHR-044	Robles Park Drainage Improvements (City of Tampa)	City of Tampa, FDOT, and SWFWMD are planning drainage improvements, water quality treatment, and park improvements to Robles Park, located in Tampa Heights neighborhood of Central Tampa. Project cooperators are compiling conceptual improvements that will be part of overall project but will likely include flood relief and stormwater quality treatment. Each entity will likely contribute funds for improvements as 50 % match with SWFWMD funds.	Stormwater	Planned	Not provided	Lower Hillsborough River	\$500,000	Not provided	SWFWMD Cooperative Funding/ FDOT and City Match
City of Tampa	FDOT	LHR-045	City of Tampa Street Sweeping Maintenance	Regularly scheduled street sweeping in residential and business areas with curb and gutter. Residential area sweeping covers 1,860 CM. Commercial area covers 140 CM.	Stormwater	Completed	2009	Lower Hillsborough River	Not provided	Not provided	City Stormwater Utility/ FDOT
City of Temple Terrace	Not provided	LHR-046	Broadway Outfall CDS Unit	Installed CDS unit into existing stormwater system.	Stormwater	Completed	2001	Lower Hillsborough River	Not provided	Not provided	Not provided
Hillsborough River Watershed Alliance (HRWA)	SWFWMD	LHR-048	HRWA	This nonprofit organization educates citizens on value of Hillsborough River Watershed. Undertakes water quality runoff studies from various land uses along river.	Stormwater	Completed	1994	Lower Hillsborough River	N/A	\$30,000	Multiple Sources, including SWFWMD
City of Tampa	SWFWMD	LHR-051	Reed Restoration	Located on Emma St., off North Blvd., north of Martin Luther King Blvd. Shoreline restoration, bank stabilization, and stormwater detention.	Stormwater	Completed	2007	Lower Hillsborough River	\$750,000	N/A	SWFWMD/ City
City of Tampa	SWFWMD	LHR-052	Lake Edna	Distribution of stormwater education brochures to residents in watershed.	Stormwater	Completed	2005	Lower Hillsborough River	\$2,000	N/A	SWFWMD/ City
City of Tampa	SWFWMD	LHR-053	River Garden	Located on Columbus Ave. and Rome Ave. Shoreline restoration and bank stabilization.	Stormwater	Completed	2003	Lower Hillsborough River	\$1,100,000	N/A	SWFWMD/ City
City of Tampa	SWFWMD	LHR-054	30th and Hillsborough Water Quality Improvements	Located on 30th and Hillsborough Ave. Stormwater detention pond.	Stormwater	Completed	2011	Lower Hillsborough River	\$800,000	N/A	SWFWMD/ City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
SWFWMD	Hillsborough County Public Schools	LHR-055	Stewart Middle School Shoreline Restoration	Located on Spruce St. north of North Blvd. Shoreline restoration and bank stabilization.	Stormwater	Completed	2008	Lower Hillsborough River	\$250,000	\$500	SWFWMD/ County Public Schools
City of Tampa	N/A	LHR-056	Cypress St. Outfall	Construction of box culvert at Cypress St. outfall to North Blvd; large junction box at North Blvd. and Cypress St.; and dual box culvert from North Blvd. to Cass St. with stub-out at Cass St. to serve future stormwater upgrades.	Stormwater	Completed	2016	Lower Hillsborough River	\$10,000,000	N/A	City
City of Tampa	Not provided	LHR-057	30th St. Outfall	City is evaluating purchase of property on east side of outfall. Intent is to enlarge discharge channel and, if necessary, construct larger outfall structure to accommodate future pipes.	Stormwater	Planned	Not provided	Lower Hillsborough River	\$500,000	N/A	Not provided
City of Tampa	N/A	LHR-058	New Orleans/11th St. Pond	Construction of stormwater pond.	Stormwater	Completed	2011	Lower Hillsborough River	\$150,000	N/A	City
City of Tampa	N/A	LHR-059, LHR-061	Box Culvert Miscellaneous Rehabilitation	Repair major culverts within roadways prior to resurfacing or rebuilding roads.	Stormwater	Completed	2017	Lower Hillsborough River	\$750,000	N/A	City
City of Tampa	N/A	LHR-060	Idell St. Roadway Improvements	Construction of roadway features, stormwater laterals, new inlets and pond to convey runoff to Hillsborough River.	Stormwater	Completed	2015	Lower Hillsborough River	\$100,000	N/A	City
City of Tampa	N/A	LHR-062	Collection System Repair Contract	Collection system repairs throughout city.	Sanitary Sewer	Completed	2008	Lower Hillsborough River	N/A	\$1,000,000	City
City of Tampa	N/A	LHR-063	CIPP Rehabilitation	Pipe rehabilitation throughout city.	Sanitary Sewer	Completed	2006	Lower Hillsborough River	N/A	\$1,000,000	City
City of Tampa	N/A	LHR-067	Mulberry Pump Station Rehabilitation	Pump station rehabilitation on Mulberry Dr. next to river.	Sanitary Sewer	Planned	2018	Lower Hillsborough River	\$600,000	N/A	City
City of Tampa	N/A	LHR-068	Pump Station SCADA Improvements	SCADA improvements throughout city.	Sanitary Sewer	Completed	2014	Lower Hillsborough River	N/A	\$100,000	City
City of Tampa	N/A	LHR-069	Louisiana Pump Station Rehabilitation	Pump station rehabilitation on Louisiana Ave. next to river.	Sanitary Sewer	Planned	2017-2018	Lower Hillsborough River	\$6,000,000	N/A	City
City of Tampa	N/A	LHR-071	Oak Pump Station Replacement	Replace pump station on Oak Ave. next to river.	Sanitary Sewer	Planned	2017-2018	Lower Hillsborough River	\$300,000	N/A	City
City of Tampa	N/A	LHR-072	Watrous Canal Rehabilitation	Improvement of ditch system to extend useful life of ditch and improve conveyance of storm flows from drainage basin.	Stormwater	Completed	2017	Lower Hillsborough River	\$2,250,000	N/A	City
City of Tampa	N/A	LHR-073	Krause Pump Station Rehabilitation	Pump station rehabilitation located on Ashley Dr. downtown next to river	Sanitary Sewer	Completed	2016	Lower Hillsborough River	\$6,000,000	N/A	City
City of Tampa	N/A	LHR-074	Rowlett Park Dr. Ditch Stabilization	Emergency project to rebuild eroded drainage ditch and exposed water pipe at outfall to river.	Stormwater	Completed	2016	Lower Hillsborough River	\$260,000	N/A	City
City of Tampa	N/A	LHR-075	Ditch Stabilization Project	Project will repair eroded ditch banks and install stabilization material at 6 locations in city.	Stormwater	Planned	Not provided	Lower Hillsborough River	\$1,000,000	N/A	City
City of Tampa	N/A	LHR-076	Riverside Pipe Relocation	Project will eliminate 2 direct stormwater pipes to river and divert flow through existing treatment system prior to discharge.	Stormwater	Planned	Not provided	Lower Hillsborough River	\$125,000	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
City of Tampa	N/A	LHR-077	Perry Ave. Siphon Hydraulic Modeling	Siphon hydraulic modeling along river from Perry Ave. to downtown.	Stormwater	Completed	2016	Lower Hillsborough River	\$50,000	N/A	City
TBEP	Not provided	LHR-47	Pooches for the Planet	TBEP developed pilot project in small neighborhood park using poster/map that showed locations of dog waste piles. Locations were recorded with GPS during initial visual assessment and used monthly as key educational tool at park information station. Information resulted in significant decline in number of dog waste piles recorded in park since start of project.	Stormwater	Completed	2001	Lower Hillsborough River	\$5,000	N/A	Not provided
HCHD	Not provided	NR-006	Septic System 200-Ft Setback for Hillsborough River—Potable Supply Protection	Implement setback requirement when issuing septic system permits.	OSTDS	Completed	Prior to 2009	New River	N/A	\$2,000	Not provided
Hillsborough County	Not provided	NR-007	Hillsborough County Land Development Code (Section 4.01.16)—Septic System Setback	In 2006, Hillsborough Land Development Code was amended and Section 4.01.16, River Protection, was added; it requires 200-ft setbacks to Hillsborough, Alafia, and Little Manatee Rivers, and their primary tributaries.	OSTDS	Completed	2006	New River	Not provided	N/A	Not provided
EPCHC	Hillsborough County Public Works Dept./ SWFWMD	NR-014	Fecal Coliform Quarterly Monitoring—Hillsborough County	EPCHC has maintained extensive, comprehensive water quality monitoring program with network of stations throughout Hillsborough County and Tampa Bay since 1974. All sample collection and analysis are conducted in accordance with DEP rules and guidance. EPCHC staff collect monthly water quality samples that are analyzed for bacterial contamination—i.e., fecal coliform and enterococci—at 38 locations in Hillsborough River Basin. EPCHC also collects bacteria samples from 30 locations representing major and minor tributaries of Hillsborough River; 11 of these are sampled monthly, and 19 locations represent minor tributaries and are sampled quarterly.	Source Identification Activities	Completed	Prior to 2009	New River	N/A	\$190	Hillsborough County
TBEP	Not provided	NR-020, SBF-036	Annual Progress Report Coordination	On an annual basis, TBEP will coordinate development of brief update summarizing bacteriological monitoring data and updated project status, including (1) collating updated project descriptions from BMAP partners, (2) working with EPCHC to develop annual monitoring report, (3) convening annual meeting of BMAP Basin Working Group (BWG) and Technical Stakeholders (TS) to review and approve annual update, and (4) identifying any additional action needed to maintain progress towards meeting fecal coliform	Source Identification Activities	Planned	Not provided	New River; Spartman Branch, Baker Creek, Flint Creek	N/A	\$1,000	Not provided

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				TMDLs in these 6 Hillsborough River segments.							
Pasco County	BMAP Stakeholders	PC-284	Participate in HTBMT Calls and Efforts	Participate in monthly HTBMT coordination calls.	Source Identification Activities	Completed	2015	Pasco County	Not provided	Not provided	County
Pasco County	N/A	PC-285	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate a human source.	Source Identification Activities	Completed	2015	Pasco County	Not provided	Not provided	County
Pasco County	N/A	PC-286	Assistance with Sample Analysis	Carry out BMAP monitoring for fecal coliform, with adjustments made as needed, and follow up on high counts per HTBMT protocol.	Source Identification Activities	Completed	2015	Pasco County	Not provided	Not provided	County
Pasco County	N/A	PC-288	MS4 Permit Implementation	Continue proactive IDDE Program and respond to citizen complaints regarding potential illicit connections. Continue ongoing public education efforts.	Stormwater	Completed	2015	Pasco County	Not provided	Not provided	County
Pasco County	N/A	PC-290	Walk the WBID Follow Up	Address any action items identified as result of 2014 Walk the WBID.	Source Identification Activities	Completed	2015	Pasco County	Not provided	Not provided	County
Hillsborough County	N/A	PH2-006	Lake and Stream Management Program	Provides education and technical assistance about water quality and natural system health to waterfront homeowners in unincorporated Hillsborough County. Contracts Florida LakeWatch to provide increased service to lake residents in Hillsborough County. Funds small water quality projects in cooperation with residents.	Stormwater	Completed	2015	Hillsborough County	Not provided	Not provided	County
Hillsborough County	N/A	PH2-009	Tools for Public Reporting of Illicit Discharges	Anonymous reporting of pollution via county website.	Stormwater	Completed	2015	Hillsborough County	Not provided	Not provided	County
Polk County	BMAP Stakeholders	POLK COUNTY-284	Participate in HTBMT Calls and Efforts	Continue participation in HTBMT coordination calls and other HTBMT efforts.	Source Identification Activities	Completed	2015	Polk County	Not provided	Not provided	County
Polk County	N/A	POLK COUNTY-285	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	Polk County	Not provided	Not provided	County
Polk County	N/A	POLK COUNTY-286	Water Quality Sample Analysis	Quarterly monitoring of Station BLACKWATER Crk2, with adjustments made as needed, and follow up on high counts per HRTAT protocol. Samples are analyzed for both fecal coliform and <i>E. coli</i> .	Source Identification Activities	Completed	2015	Polk County	Not provided	Not provided	County
Polk County	N/A	POLK COUNTY-288	Tributary Clean Up and Search for Illicit Connections	Promote community awareness of waterbodies' health and inspect for illicit connections. Provide FDACS with locations of horse and livestock access to creeks.	Stormwater	Completed	2015	Polk County	Not provided	Not provided	County

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Polk County	N/A	POLK COUNTY-290	Walk the WBID Follow Up	Address action items identified during 2014 Walk the WBID.	Source Identification Activities	Completed	2015	Polk County	Not provided	Not provided	County
Hillsborough County	SWFWMD	SBF-011	Emerald Lakes Adopt-A-Pond	Pond restoration and environmental education.	Stormwater	Completed	2004	Spartman Branch, Baker Creek, Flint Creek	N/A	\$138,000	Specialized Services Unit Operations Budget
City of Plant City	SWFWMD	SBF-012	Lake Thonotosassa Diagnostic Assessment and Water Quality Treatment Project	Objective of project is to evaluate feasibility of implementing stormwater treatment system to treat mixture of stormwater and highly treated reclaimed water before discharging into Westside Canal. If determined feasible, project has potential to improve water quality in Westside Canal and ultimately Lake Thonotosassa. Westside Canal discharges into Pemberton/Baker Creek, tributary to Lake Thonotosassa, which is SWIM priority waterbody.	Stormwater	Canceled	N/A	Spartman Branch, Baker Creek, Flint Creek	\$100,000	N/A	Utilities Revenues/ Grant (SWFWMD Cooperative Funding)
Hillsborough County	SWFWMD	SBF-013	4 Adopt-a-Ponds in Baker-Spartman-Flint Watersheds	Pond restoration and environmental restoration.	Stormwater	Completed	2006	Spartman Branch, Baker Creek, Flint Creek	N/A	\$138,000	Specialized Services Unit Operations Budget
Hillsborough County	N/A	SBF-015	Pemberton Creek Stormwater Improvements	Created 5-ac water treatment pond.	Stormwater	Completed	2005	Spartman Branch, Baker Creek, Flint Creek	\$992,000	Not provided	Capital Improvement Tax (CIT) II
City of Plant City	SWFWMD	SBF-016	Pistol Range Stormwater Retrofit Project	Diversion of flow from about 620 acres through reconfigured borrow pit system to provide treatment prior to discharge into Pemberton Creek and Spartman Branch. TN reduction is calculated at 2,809 lbs/yr.	Stormwater	Completed	2000	Spartman Branch, Baker Creek, Flint Creek	\$649,810	Not provided	SWFWMD
SWFWMD	Hillsborough County/ FDOT	SBF-017	Lake Thonotosassa Project	Project was designed to reduce TN, TP, and sediment load from 80 acres of agricultural lake to lake by treatment through constructed wetland and sedimentation basin.	Stormwater	Completed	1999	Spartman Branch, Baker Creek, Flint Creek	\$1,380,000	N/A	Not provided
Hillsborough County	Not provided	SBF-018	Valrico Forest Subdivision Pond	Construct 10-ac retention pond.	Stormwater	Planned	Not provided	Spartman Branch, Baker Creek, Flint Creek	\$607,000	Not provided	CIP/CIT Funds
EPCHC	Hillsborough County/ SWFWMD	SBF-021	Fecal Coliform Monitoring- Hillsborough County	EPCHC has maintained extensive, comprehensive water quality monitoring program with network of stations throughout Hillsborough County and Tampa Bay since 1974. All sample collection and analysis are conducted in accordance with DEP rules and guidance. EPCHC staff collect monthly water quality samples that are analyzed for bacterial contamination—i.e., fecal coliform and enterococci—at 38 locations in Hillsborough River Basin. EPCHC also	Source Identification Activities	Completed	1980s	Spartman Branch, Baker Creek, Flint Creek	N/A	\$4,563	Hillsborough County

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				collects bacteria samples from 30 locations representing major and minor tributaries of Hillsborough River; 11 of these are sampled monthly, and 19 locations represent minor tributaries and are sampled quarterly.							
City of Plant City	N/A	SBF-027	Plant City Grease Management Program	Inspect, monitor, and provide education to facilities that generate cooking oil and grease to ensure BMPs are in use and that pretreatment systems are being managed properly.	Sanitary Sewer	Completed	2009	Spartman Branch, Baker Creek, Flint Creek	N/A	\$50,000	City
City of Plant City	N/A	SBF-029	Plant City WWTP/ Lift Station Maintenance	Annual maintenance of WRF and all appurtenances.	Sanitary Sewer	Completed	2009	Spartman Branch, Baker Creek, Flint Creek	N/A	\$500,000	City
TBEP	BMAP Stakeholders	TBEP-101	Participate in HTBMT Calls and Efforts	Continue participation in HTBMT coordination calls and other HTBMT efforts.	Source Identification Activities	Completed	2015	Hillsborough River Basin	Not provided	Not provided	TBEP

Lower St. Johns River (LSJR) Tributaries BMAP I and II

Background

Fecal coliform bacteria were identified as the primary pollutant causing impairment in portions of the LSJR Basin. In 2006, 2009, and 2010, DEP adopted fecal coliform TMDLs for 25 verified impaired waterbodies in Duval County, all in the LSJR Basin. The tributaries' watersheds are dense urban and suburban areas of the City of Jacksonville, Neptune Beach, Atlantic Beach, and Jacksonville Beach.

DEP adopted 2 BMAPs to implement the fecal coliform TMDLs in the basin. BMAP I was adopted in December 2009 and addresses the 10 most impaired tributaries. BMAP II was adopted in August 2010 and addresses the remaining 15 impaired tributaries. **Figures D-5 and D-6** show the locations of the BMAP I and II watersheds, respectively.

Status of Projects

From December 2009 through October 2016, 185 projects within the BMAP I WBIDs were reported as completed. Of these projects, 103 were implemented prior to BMAP adoption and 97 are ongoing, maintenance activities.

From August 2010 through October 2016, 508 projects within the BMAP II WBIDs were reported as completed. Of these projects, 351 were implemented prior to BMAP adoption and 152 are ongoing, maintenance activities.

Frequency of Exceedance

Table D-8 lists the frequency of exceedance of the ten percent threshold fecal coliform criterion for the Cycle 2 assessment verified period (January 1, 2001, to June 30, 2008) (before BMAP adoptions in 2009 and 2010) and from January 1, 2009, to June 30, 2016, for the BMAP I and BMAP II waterbodies.

Table D-8. Exceedance frequency for the Class III BMAP WBIDs

NA = Too few samples to assess.

WBID Number	Waterbody Name	January 1, 2001, to June 30, 2008 % Exceedance	January 1, 2009, to June 30, 2016 % Exceedance
2240A	Greenfield Creek (Marine Segment)	17	NA
2203A	Trout River Lower Reach	21	25
2265C	Pottsburg Creek (Freshwater Segment)	27	35
2203	Trout River Middle Reach (Freshwater Segment)	44	35
2240B	Greenfield Creek (Freshwater Segment)	48	38
2265D	Pottsburg Creek (Marine Segment)	35	44
2227	Sherman Creek	36	45
2381	Cormorant Branch	56	48
2324	Fishing Creek	64	48
2326B	Goodbys Creek (Marine Segment)	62	48
2203B	Trout River Middle Reach (Marine Segment)	67	49
2256	Deer Creek	60	53
2282	Wills Branch (North Prong)	51	54
2299A	Open Creek (Marine Segment)	54	57
2228B	Moncrief Creek (Freshwater Segment)	54	59
2207	Blockhouse Creek	65	61
2326A	Goodbys Creek (Freshwater Segments)	46	61
2257	McCoy Creek	67	63
2299 B	Open Creek (Fresh Segment)	73	66
2266	Hopkins Creek	62	70
2304	Miramar Creek	94	71
2235	Newcastle Creek	80	71
2204	Terrapin Creek	71	73
2361	Deep Bottom Creek	88	73
2228A	Moncrief Creek (Marine Segment)	63	77
2280B	Big Fishweir Creek (Marine Segment)	88	77
2252	Hogan Creek	78	80
2316	Williamson Creek	73	83
2287	Miller Creek	86	89
2322	Butcher Pen Creek	92	91
2297	Craig Creek	83	94
2280A	Big Fishweir Creek (Freshwater Segment)	82	95

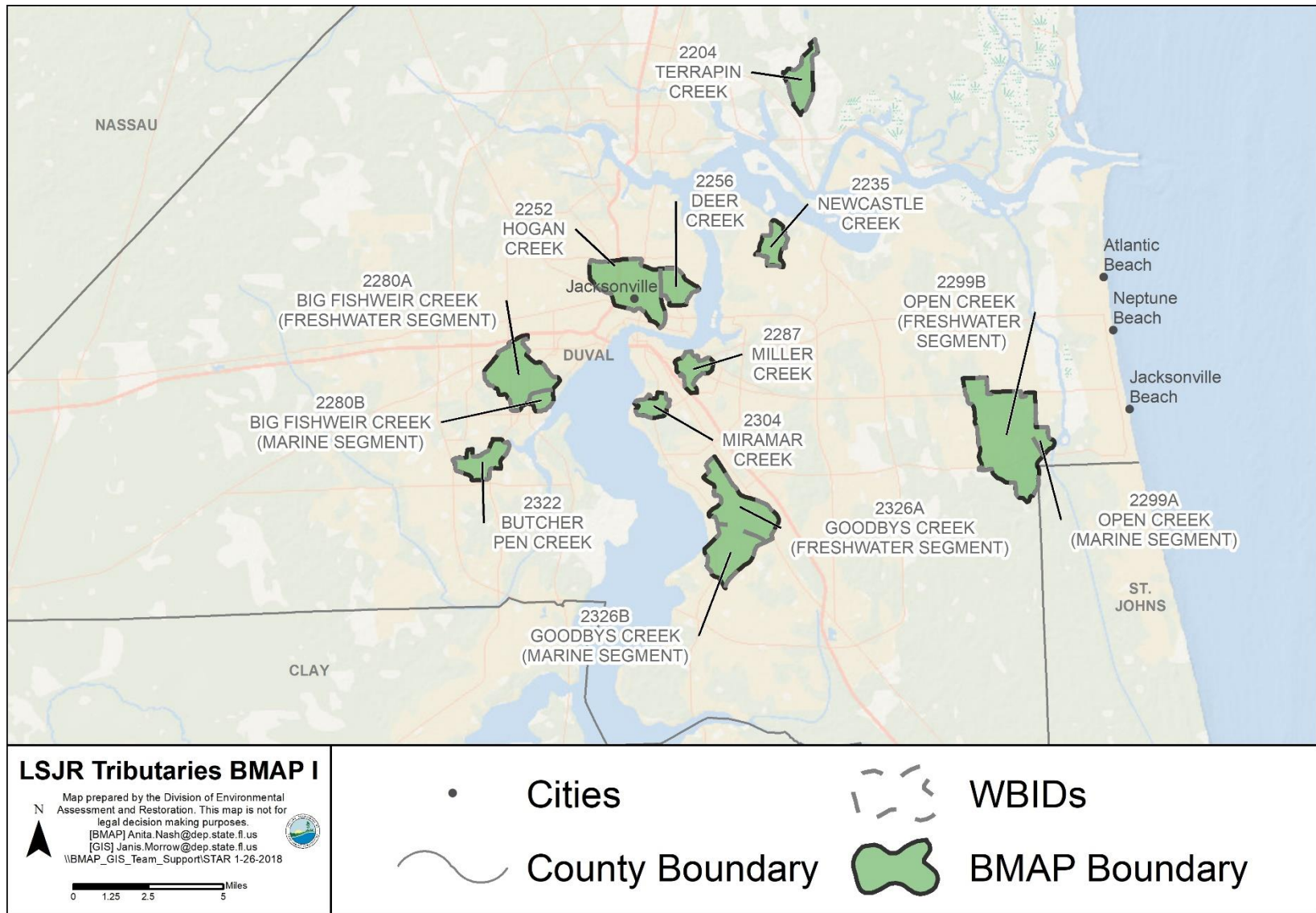


Figure D-5. LSJR Tributaries BMAP I WBIDs

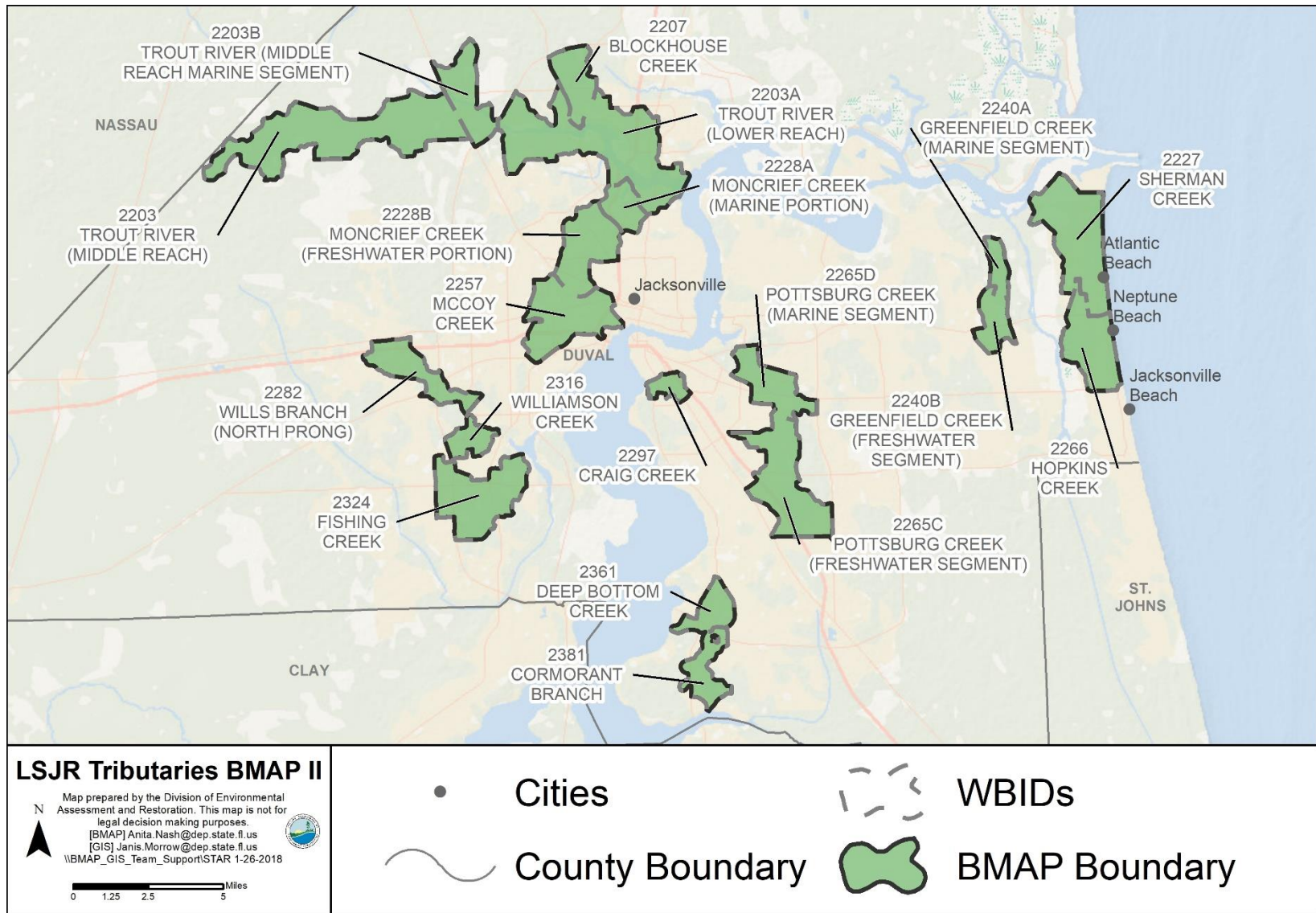


Figure D-6. LSJR Tributaries BMAP II WBIDs

Table D-9. LSJR Tributaries BMAP I and II projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Atlantic Beach	Property Owner	AB-001, AB-051	Septic Tank Inspections and Enforcement	When septic tanks fail, city code requires connection to sewer system, if available.	OSTDS	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	Not provided	N/A	Paid by Property Owner
Atlantic Beach	HUD	AB-002, AB-003	Septic Tank Phase Out	Septic-to-sewer resolution by City Commission requires connection at various dates. Includes Septic Conversion Assistance Policy, passed by City Commission in 2000. Provides city financing of septic-to-sewer conversions and contracting coordination and assistance.	OSTDS	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	\$39,000	N/A	CDBG/ Homeowners/ City
Atlantic Beach	N/A	AB-003	Sewer Line Upgrades	Repair sewer and manholes close to Lift Station E, near 799 Mayport Rd.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$49,170	N/A	City
Atlantic Beach	N/A	AB-004	Sewer Line Upgrades	Replace sewer force main at Mayport Rd. and Forrestal	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$10,000	N/A	City
Atlantic Beach	N/A	AB-005	Sewer Line Upgrades	Rehabilitate sanitary sewer in entire Royal Palms Subdivision using CIPP.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$747,143	N/A	City
Atlantic Beach	N/A	AB-006	Sewer Line Upgrades	Replace sewer main crossing drainage ditch near Lift Station F – behind 720 Aquatic Dr.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$10,715	N/A	City
Atlantic Beach	N/A	AB-007	Sewer Line Upgrades	Line sewer in easement from Donner Rd. to Stanley Rd., Donner Subdivision; includes 12 manholes lined.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$91,370	N/A	City
Atlantic Beach	N/A	AB-008	Sewer Line Upgrades	Replace force main from Lift Station C to WWTF – Donner Rd.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$94,257	N/A	City
Atlantic Beach	N/A	AB-009	Manhole Inspections and Rehabilitation	Rehabilitate/install Spectrashield coating of all manholes in Royal Palms Subdivision.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$81,653	N/A	City
Atlantic Beach	N/A	AB-010	Manhole Inspections and Rehabilitation	Conduct engineering analysis of failing manholes – Donner Subdivision.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$2,500	N/A	City
Atlantic Beach	N/A	AB-011	Manhole Inspections and Rehabilitation	Rehabilitate and replace manholes– Ardella Rd. area.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$36,135	N/A	City
Atlantic Beach	HUD	AB-012	Manhole Inspections and Rehabilitation	Rehabilitate and replace manholes – Donner Subdivision.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$58,205	N/A	CDBG
Atlantic Beach	N/A	AB-013	Manhole Inspections and Rehabilitation	Line manholes in easement from Donner to Stanley.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	Not provided	N/A	City
Atlantic Beach	N/A	AB-014	Manhole Inspections and Rehabilitation	Replace effluent outfall manhole at Mayport and Donner Rd.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$12,800	N/A	City
Atlantic Beach	N/A	AB-015, AB-170	Pump Station Inspections and Maintenance	Inspect and maintain daily Monday–Friday; all monitored by SCADA system with automatic callout 24 hrs/day, 7 days/wk, with technician on call; stations designed with redundancy; large stations have onsite emergency generators with automatic transfer switch; portable genset and	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				pumps available for smaller stations; all mechanical/electrical problems are addressed immediately.							
Atlantic Beach	N/A	AB-016	Pump Station Inspections and Maintenance	Improve valves at Lift Stations C, E, F (65 Donner Rd., 799 Mayport Rd., 858 Cavalla Rd.).	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$40,000	N/A	City
Atlantic Beach	N/A	AB-017	Pump Station Inspections and Maintenance	Replace emergency generator at Cavalla Rd. Lift Station, 858 Cavalla Rd.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$24,000	N/A	City
Atlantic Beach	N/A	AB-018	Pump Station Inspections and Maintenance	Install SCADA system for all lift stations. Those in Hopkins Creek Watershed are Lift Stations C, E, and F (65 Donner Rd., 799 Mayport Rd., 858 Cavalla Rd.).	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$19,500	N/A	City
Atlantic Beach	N/A	AB-019	Preventive SSO Investigations	Clean and inspect, using CCTV, sewer main, ditch crossings near Lift Station E and F – behind 720 Aquatic Dr. and behind 39 Saratoga Cir. North.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$1,780	N/A	City
Atlantic Beach	N/A	AB-020, AB-098	Preventive SSO Investigations	Conduct I&I analysis of entire collection system, prepare GIS system, obtain global positioning system (GPS) locations of all manholes, analyze lift station needs, and make CIP recommendations.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	\$60,000	N/A	City
Atlantic Beach	N/A	AB-021	Preventive SSO Investigations	Clean and inspect, using CCTV, sewer mains crossing Mayport Rd.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$6,700	N/A	City
Atlantic Beach	N/A	AB-022, AB-103	Preventive SSO Investigations	Sewer Master Plan Update –Analyze entire sewer system for prioritizing capital improvement program, including review of I&I analysis.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	\$58,100	N/A	City
Atlantic Beach	N/A	AB-023, AB-104	Preventive SSO Investigations	Implement FOG Program to monitor grease trap maintenance at restaurants.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-024	1999 Stormwater Improvements Project	Implement flood-control capital projects and stormwater water quality BMPs on Donner Rd. and Aquatic Gardens.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$414,711	Not provided	City
Atlantic Beach	HUD	AB-025	Jordan St. Paving and Drainage	Implement flood-control capital projects located off Frances St., North Donner Rd.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$109,129	Not provided	CDBG
Atlantic Beach	Florida Legislature	AB-026	Hopkins Creek RSF	Implement stormwater water quality BMPs and flood-control project located just north of Atlantic Blvd., off Aquatic Dr.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$2,058,694	Not provided	City/ Legislative Appropriation
Atlantic Beach	Florida Legislature	AB-027	Hopkins Creek RSF	Carry out water sampling–Section 319 grant requires 1 yr of inlet and outlet water grab samples taken monthly; includes fecal coliform	Stormwater	Completed	Prior to 2010	Hopkins Creek	Not provided	Not provided	City/ Legislative Appropriation

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Atlantic Beach	N/A	AB-028, AB-112	Public Education through WAV	Implement stormwater water quality BMPs; carry out public education for stormwater and sewer	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	\$10,000	City
Atlantic Beach	N/A	AB-029, AB-113	Ditch and Canal Inspection	Visually inspect stormwater systems weekly, and take corrective action as needed; mow, use weedeater, and pick up litter weekly during growing season, and as needed during colder months.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-030, AB-114	Ditch and Canal Maintenance	Routinely clean and maintain ditch as required by MS4 permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-031, AB-115	Stormwater Treatment Ponds Inspections	Routinely inspect pond as required by MS4 permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-032, AB-116	Stormwater Treatment Ponds Cleaning and Maintenance	Carry out routine pond maintenance as required by MS4 permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-033, AB-117	Stormwater Treatment Ponds, Ditch and Canal Aquatic Weed Control	Weed control by Bluewater Environmental.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	\$21,000	City
Atlantic Beach	N/A	AB-034, AB-118	Stormwater Control Structure Inspection	Conduct routine control structure inspections as required by MS4 permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-035, AB-119	Stormwater Control Structure Maintenance	Do only when inspection shows additional effort required; carry out routine cleaning and maintenance as required by MS4 permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-036	Stormwater Pump Station Inspections	Routinely inspect Town Center pump station as required by MS4 permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-037	Stormwater Pump Station Maintenance	Routinely maintain Town Center pump station as required by MS4 permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-038, AB-120	Stormwater Inlets/Catch Basins/Grates Inspections	Routinely inspect inlets and catch basins as required by MS4 permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-039, AB-121	Stormwater Inlets/Catch Basins/Grates Maintenance	Maintain as required by MS4 permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-040, AB-122	Stormwater Pipe Inspection and Maintenance	Schedule stormwater pipe cleaning routinely, and in response to complaints; required by MS4 permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-041, AB-123	Stormwater Pipe Maintenance (Repair/Replacement)	Repair or replace stormwater pipe.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-042, AB-124	Total Miles of Rights-of-Way Maintained	Maintain rights-of-way.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-043, AB-125	Litter Collection	Collect litter.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	N/A	Not provided	City
Atlantic Beach	N/A	AB-044	Ardella Rd. Drainage Project	Implement drainage improvements; located between Mayport Rd. and Richardson Lane; pipe burst because existing pipe crossed 2 parcels of	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$36,332	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				private property where no drainage easement existed.							
Atlantic Beach	N/A	AB-045	Royal Palms Drainage Rehabilitation Project	Implement flood-control capital project; Royal Palms is major (600-home) subdivision between Mayport Rd. and Seminole Rd.; completion 10/2010.	Stormwater	Completed	2012	Hopkins Creek	\$3,450,000	Not provided	City
Atlantic Beach	N/A	AB-046	Royal Palms Drainage System Point Repairs	Implement stormwater system point repairs necessitated by spot failures; anticipate need in Royal Palms to be minimal once above improvements completed.	Stormwater	Completed	Prior to 2010	Hopkins Creek	Not provided	N/A	City
Atlantic Beach	N/A	AB-047, AB-133	Pet Feces Control	Install, maintain, and stock Dogi-Pot stations throughout city.	Stormwater	Completed	Prior to 2010	Hopkins Creek, Sherman Creek	\$5,000	Not provided	City
Atlantic Beach	N/A	AB-048	Pet Feces Control	City Code 12.(b).14 requires removal and proper disposal of pet waste.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	N/A	City
Atlantic Beach	N/A	AB-049	Street Sweeping	Sweep streets throughout city.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	\$18,000	City
Atlantic Beach	N/A	AB-050	IDDE	Conduct field inspections to identify and remove illicit connections.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Atlantic Beach	HUD	AB-053	Septic Tank Phase Out	Carry out septic-to-sewer conversions through CDBG.	OSTDS	Completed	Prior to 2010	Sherman Creek	\$4,900	N/A	CDBG
Atlantic Beach	N/A	AB-054	Sewer Line Upgrades	Install new sewer system on Beach Ave., Seminole Rd., Ocean Grove, Dewees areas.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$400,000	N/A	City
Atlantic Beach	N/A	AB-055	Sewer Line Upgrades	Replace sewer main in area of Pioneer Dr.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$17,000	N/A	City
Atlantic Beach	N/A	AB-056	Sewer Line Upgrades	Slipline sewer on Sherry Dr.; replace sewer in part of Salt Air Subdivision.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$643,000	N/A	City
Atlantic Beach	N/A	AB-057	Sewer Line Upgrades	Repair, line, and rehabilitate sewer in Oak Harbor Subdivision.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$500,000	N/A	City
Atlantic Beach	N/A	AB-058	Sewer Line Upgrades	Repair sewer force main near Renault Dr. and Mayport Rd.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$20,000	N/A	City
Atlantic Beach	N/A	AB-059	Sewer Line Upgrades	Install new sewer line on Church Rd. (now Dutton Island Rd.).	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	Not provided	N/A	City
Atlantic Beach	N/A	AB-060	Sewer Line Upgrades	Repair effluent gravity outfall on Levy Rd.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$33,000	N/A	City
Atlantic Beach	N/A	AB-061	Sewer Line Upgrades	Replace sewer lines crossing Levy Rd. at Orchid, Rose, Violet, and Hibiscus.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$28,000	N/A	City
Atlantic Beach	N/A	AB-062	Sewer Line Upgrades	Implement sewer extension on Dudley St.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$25,000	N/A	City
Atlantic Beach	N/A	AB-063	Sewer Line Upgrades	Line sewers near Lift Station A, Palm Ave.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$40,000	N/A	City
Atlantic Beach	N/A	AB-064	Sewer Line Upgrades	Replace sewer force main and sanitary sewer on Wonderwood Rd.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$604,609	N/A	City
Atlantic Beach	N/A	AB-065	Sewer Line Upgrades	Replace sewer main and manholes in Town Center–Ocean Blvd. from 1st to 2nd St.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$14,177	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Atlantic Beach	FEMA	AB-066	Sewer Line Upgrades	Line sewer and replace services– Ahern St. through 10th St. from Sherry Dr./Seminole Rd. to East Coast Dr.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$1,079,800	N/A	City/ Hazard Mitigation Grant
Atlantic Beach	N/A	AB-067	Sewer Line Upgrades	Repair effluent force main Sherman Creek crossing pilings.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$54,701	N/A	City
Atlantic Beach	N/A	AB-068	Sewer Line Upgrades	Install new force main from Lift Station B, 465 11th St. to 1100 Sandpiper Lane.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$120,685	N/A	City
Atlantic Beach	N/A	AB-069	Sewer Line Upgrades	Replace sewer main and manholes on 11th St. and 12th St.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$368,425	N/A	City
Atlantic Beach	N/A	AB-070	Sewer Line Upgrades	Clean and inspect (using CCTV) sewer main in Selva Marina Subdivision; repair sewer mains, 19th St. and side streets.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$70,000	N/A	City
Atlantic Beach	N/A	AB-071	Sewer Line Upgrades	Line sewer and replace services Seminole Rd. and 11th St. to Lift Station B.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$105,630	N/A	City
Atlantic Beach	N/A	AB-072	Sewer Line Upgrades	Install new sewer line for Sawgrass Chapel Place-Mealy Lane, north of Dutton Island Rd.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$66,808	N/A	City
Atlantic Beach	N/A	AB-073	Sewer Line Upgrades	Install new sewer main and abandon old lift station at Shangri La Dr.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$146,572	N/A	City
Atlantic Beach	N/A	AB-074	Sewer Line Upgrades	Line sewer main in Seaspray Subdivision.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$239,997	N/A	City
Atlantic Beach	N/A	AB-075	Manhole Inspections and Rehabilitation	Carry out engineering analysis of failing manholes–Seminole Rd. area.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$2,500	N/A	City
Atlantic Beach	N/A	AB-076	Manhole Inspections and Rehabilitation	Line 5 manholes near Lift Station A– Palm Ave.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$15,000	N/A	City
Atlantic Beach	N/A	AB-077	Manhole Inspections and Rehabilitation	Rehabilitate (Spectrashield) manholes on Sherry Dr. from Atlantic Blvd. to Plaza.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$11,270	N/A	City
Atlantic Beach	N/A	AB-078	Manhole Inspections and Rehabilitation	Rehabilitate (Spectrashield) manholes from Ahern through 10th St. and Sherry Dr. to East Coast Dr.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$279,826	N/A	City
Atlantic Beach	N/A	AB-079	Manhole Inspections and Rehabilitation	Rehabilitate (Spectrashield) all manholes in Seaspray Subdivision.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$25,597	N/A	City
Atlantic Beach	N/A	AB-080	Pump Station Inspections and Maintenance	Improve valves at Lift Stations A, B, and D (Palm Ave., 11th St., Selva Marina Blvd.) .	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$40,000	N/A	City
Atlantic Beach	N/A	AB-081	Pump Station Inspections and Maintenance	Rehabilitate wet well at lift station at Courtyards Apartments.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$19,690	N/A	City
Atlantic Beach	N/A	AB-082	Pump Station Inspections and Maintenance	Line wet well at West End lift station, 2567 West End St.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$18,900	N/A	City
Atlantic Beach	N/A	AB-083	Pump Station Inspections and Maintenance	Line wet well at Selva Norte Lift Station, 404 20th St.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$21,900	N/A	City
Atlantic Beach	N/A	AB-084	Pump Station Inspections and Maintenance	Construct new master lift station to WWTP #1, 1100 Sandpiper Lane.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$676,500	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Atlantic Beach	N/A	AB-085	Pump Station Inspections and Maintenance	Upgrade West End Lift Station—new pumps and electrical, 2567 West End Dr.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$47,000	N/A	City
Atlantic Beach	N/A	AB-086	Pump Station Inspections and Maintenance	Upgrade Lift Station H—2301 Mayport Rd.; new pumps and electrical.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$120,281	N/A	City
Atlantic Beach	N/A	AB-087	Pump Station Inspections and Maintenance	Upgrade Lift Station I—960 Park St.; new pumps and electrical.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$70,281	N/A	City
Atlantic Beach	N/A	AB-088	Pump Station Inspections and Maintenance	Replace emergency generator at Lift Station C, 65 Donner Rd.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$24,000	N/A	City
Atlantic Beach	N/A	AB-089	Pump Station Inspections and Maintenance	Install SCADA system at all 19 lift stations in Sherman Creek Watershed.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$130,000	N/A	City
Atlantic Beach	N/A	AB-090	Pump Station Inspections and Maintenance	Replace emergency generator at Lift Station A, 460 Palm Ave.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$27,161	N/A	City
Atlantic Beach	N/A	AB-091	Pump Station Inspections and Maintenance	Replace emergency generator at Lift Station B, 469 11th St.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$21,507	N/A	City
Atlantic Beach	N/A	AB-092	Pump Station Inspections and Maintenance	Inspect pump stations near surface waters to ensure they are functioning properly and report status in first annual report.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$2,950	N/A	City
Atlantic Beach	N/A	AB-093	Pump Station Inspections and Maintenance	Replace emergency generator at Mimosa Cove Lift Station, 1030 Mimosa Cove Ct.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$32,000	N/A	City
Atlantic Beach	N/A	AB-094	Preventive SSO Investigations	Clean and inspect (using CCTV) effluent gravity outfall line from WWTP #1.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$3,000	N/A	City
Atlantic Beach	N/A	AB-095	Preventive SSO Investigations	Clean and inspect (using CCTV) sewer mains at SR A1A and Wonderwood Rd.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$1,200	N/A	City
Atlantic Beach	N/A	AB-096	Preventive SSO Investigations	Clean and inspect (using CCTV) sewer mains in core city from east of East Coast Dr. to ocean, from Atlantic Blvd. to 16th St.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$30,834	N/A	City
Atlantic Beach	N/A	AB-097	Preventive SSO Investigations	Smoke test sewers in core city from Sherry Dr. to East Coast Dr. from Atlantic Blvd. to 12th St.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	Not provided	N/A	City
Atlantic Beach	N/A	AB-099	Preventive SSO Investigations	Clean and inspect (using CCTV) sewer main on Selva Marina Dr. and side streets.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$9,000	N/A	City
Atlantic Beach	N/A	AB-100	Preventive SSO Investigations	Implement root removal and tuberculation removal on Seminole Rd.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$2,400	N/A	City
Atlantic Beach	N/A	AB-101	Preventive SSO Investigations	Clean and inspect (using CCTV) sewer main on Seminole Rd., Selva Linkside, and Selva Lakes Subdivisions.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$27,094	N/A	City
Atlantic Beach	N/A	AB-102	Preventive SSO Investigations	Clean and inspect (using CCTV) sewer main at Mayport Rd. crossings.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$6,656	N/A	City
Atlantic Beach	N/A	AB-105	1999 Stormwater Improvements Project	Implement flood-control capital project and stormwater water quality	Stormwater	Completed	Prior to 2010	Sherman Creek	\$414,711	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				BMPs on Pine St., PW Yard, and Seminole.							
Atlantic Beach	DEP	AB-106	Core City Improvements Project	Implement flood-control capital project and stormwater water quality BMPs – area bounded by Sherry Dr. and East Coast Dr., 1st St. and 12th St.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$4,784,008	Not provided	City/ DEP/ EPA
Atlantic Beach	DEP	AB-107	Core City Improvements Project	Carry out water sampling and public education.	Source Identification Activities	Completed	Prior to 2010	Sherman Creek	\$81,370	Not provided	City/ DEP/ EPA
Atlantic Beach	N/A	AB-108	Levy Rd. Improvements Project	Implement flood-control capital project – Levy Rd. between Mayport Rd. and Orchid St.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$300,284	Not provided	City
Atlantic Beach	N/A	AB-109	Sherry Dr. Reconstruction Project	Implement flood-control capital project–Sherry Dr. between Atlantic Blvd. and Seminole Rd.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$1,371,530	Not provided	City
Atlantic Beach	N/A	AB-110	Flood-control capital projects	Implement flood-control capital project–Dewees, Coquina, Shell, and Coral Drainage and Paving Project.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$120,716	Not provided	City
Atlantic Beach	N/A	AB-111	Church Rd. Extension (now Dutton Island Rd.)	Implement flood-control capital project–between George St. and Mealy St.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$152,180	Not provided	City
Atlantic Beach	HUD	AB-126	George and Dudley Drainage Improvements	Implement stormwater water quality BMPs – Dudley St. between Mayport Rd. and George St.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$97,930	Not provided	CDBG
Atlantic Beach	N/A	AB-127	County Club Lane Storm Pipe Lining	Implement flood-control capital project – between Johansen Park and Selva Lagoon; no septic tanks in project area.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$83,574	Not provided	City
Atlantic Beach	N/A	AB-128	Ocean and 13th St. Drainage Project	Implement flood-control capital project.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$138,734	Not provided	City
Atlantic Beach	N/A	AB-129	Seminole Ditch Headwall	Implement flood-control capital project – 800 block of Seminole Rd.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$12,974	Not provided	City
Atlantic Beach	N/A	AB-130	Selva Tierra Ditch Improvements	Implement flood-control capital project – north of Saturiba Dr., between Selva Grande and Tierra Verde.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$25,953	Not provided	City
Atlantic Beach	N/A	AB-131	Ocean Blvd. 14th–16th St. Drainage Improvements	Flood Implement flood-control capital projects and stormwater water quality BMPs.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$271,693	Not provided	City
Atlantic Beach	N/A	AB-132	Orangeburg Pipe Replacement Program	Replace obsolete/failing Orangeburg (fiber) storm sewer pipe; annual funding (\$15,000/yr); completion 9/2014.	Stormwater	Underway	TBD	Sherman Creek	\$75,000	N/A	City
Atlantic Beach	N/A	AB-134	Pump Station Inspections and Maintenance	Lift Station E Upgrades (799 Mayport Rd.); new emergency generator, new high efficiency motors.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$49,482	N/A	City
Atlantic Beach	Division of Emergency Management	AB-135	Sewer Line Upgrades	Line sewer mains in Salt Air Subdivision with CIPP.	Sanitary Sewer	Completed	2011	Sherman Creek	\$335,730	N/A	Atlantic Beach, Division of

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
											Emergency Management
Atlantic Beach	N/A	AB-136	Sewer Line Upgrades	Line sewer mains in Selva Marina Subdivision with CIPP.	Sanitary Sewer	Completed	2011	Sherman Creek	\$264,936	N/A	City
Atlantic Beach	N/A	AB-137	Sewer Line Upgrades	Replace sewer main near Selva Marina Lift Station 1799 Selva Marina Dr.	Sanitary Sewer	Completed	2011	Sherman Creek	\$27,400	N/A	City
Atlantic Beach	Division of Emergency Management	AB-138	Manhole Inspections and Rehabilitation	Rehabilitate manholes in Salt Air Subdivision.	Sanitary Sewer	Completed	2011	Sherman Creek	\$44,952	N/A	City, Division of Emergency Management
Atlantic Beach	N/A	AB-139	Manhole Inspections and Rehabilitation	Rehabilitate manholes in Selva Marina Subdivision.	Sanitary Sewer	Completed	2011	Sherman Creek	\$21,790	N/A	City
Atlantic Beach	N/A	AB-140	Pump Station Inspections and Maintenance	Mimosa Cove Lift Station upgrades (1030 Mimosa Cove Ct.) – New pumps, motors, electrical, sitework/grading, building repairs.	Sanitary Sewer	Completed	2011	Sherman Creek	\$83,023	N/A	City
Atlantic Beach	N/A	AB-141	Pump Station Inspections and Maintenance	Electrical upgrades at 3 lift stations (404 20th St., 995 Gavagan and 914 Schooners Bay).	Sanitary Sewer	Completed	2011	Sherman Creek	\$24,743	N/A	City
Atlantic Beach	CDBG – Disaster Mitigation	AB-142	Pump Station Inspections and Maintenance	Rehabilitate sanitary sewer mains in Donner Subdivision (portions of Jackson Rd., Stanley Rd., Francis Ave., and Jordan Rd.) using CIPP.	Sanitary Sewer	Completed	2012	Hopkins Creek	\$146,604	N/A	CDBG – Disaster Mitigation
Atlantic Beach	Not provided	AB-143	Sewer Line Upgrades	Rehabilitate sanitary sewer mains on Plaza Rd. from Manholes 76 and 77 using CIPP.	Sanitary Sewer	Completed	2012	Hopkins Creek	\$7,800	N/A	City
Atlantic Beach	CDBG – Disaster Mitigation	AB-144	Manhole Inspections and Rehabilitation	Rehabilitate manholes in Donner Subdivision (on Jackson Rd., Stanley Rd., Francis Ave., and Jordan Rd.) using Spectrashield.	Sanitary Sewer	Completed	2012	Hopkins Creek	\$27,208	N/A	CDBG – Disaster Mitigation
Atlantic Beach	N/A	AB-145	Manhole Inspections and Rehabilitation	Rehabilitate Manholes 76 and 77 on Plaza Rd. using Spectrashield.	Sanitary Sewer	Completed	2012	Hopkins Creek	\$1,560	N/A	City
Atlantic Beach	N/A	AB-146	Preventive SSO Investigations	Clean and televise sanitary sewer mains near Donner Rd. lift station and manhole cleaning.	Sanitary Sewer	Completed	2012	Hopkins Creek	\$1,300	N/A	City
Atlantic Beach	N/A	AB-147	Sewer Line Upgrades	Rehabilitate deteriorated cast iron sanitary sewer mains in Johns Creek, Mimosa Cove, Cove Landing, Aspen Ridge, Selva Marina Dr., and Seminole Rd. using CIPP.	Sanitary Sewer	Completed	2012	Sherman Creek	\$61,700	N/A	City
Atlantic Beach	N/A	AB-148	Sewer Line Upgrades	Rehabilitate vitrified clay sewer mains on East Coast Dr. from Plaza Rd. to 10th St.	Sanitary Sewer	Completed	2012	Sherman Creek	\$14,530	N/A	City
Atlantic Beach	N/A	AB-149	Sewer Line Upgrades	Replace cast iron sewer main in easement south of Willow Cove Ct. East.	Sanitary Sewer	Completed	2012	Sherman Creek	\$86,829	N/A	City
Atlantic Beach	N/A	AB-150	Manhole Inspections and Rehabilitation	Rehabilitate manholes on East Coast Dr. with Spectrashield.	Sanitary Sewer	Completed	2012	Sherman Creek	\$3,300	N/A	City
Atlantic Beach	N/A	AB-151	Preventive SSO Investigations	Clean and televise sewer mains on Dudley Rd. and Dutton Island Rd.	Sanitary Sewer	Completed	2012	Sherman Creek	\$1,300	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Atlantic Beach	N/A	AB-152	Preventive SSO Investigations	Clean and televise sewer main near Mimosa Cove lift station.	Sanitary Sewer	Completed	2012	Sherman Creek	\$2,500	N/A	City
Atlantic Beach	N/A	AB-153	Sewer Line Upgrades	Rehabilitate sanitary sewer mains on East Coast Dr., Ocean Blvd., and Beach Ave. between 12th St. and 15th St. using CIPP.	Sanitary Sewer	Completed	2013	Sherman Creek	\$91,559	N/A	City
Atlantic Beach	N/A	AB-154	Manhole Inspections and Rehabilitation	Rehabilitate manholes on East Coast Dr., Ocean Blvd., and Beach Ave. between 12th St. and 15th St. using Spectrashield.	Sanitary Sewer	Completed	2013	Sherman Creek	\$5,460	N/A	City
Atlantic Beach	N/A	AB-155	Sewer Line Upgrades	Rehabilitate sanitary sewer mains on Francis Ave., Jordan St., and Lewis St. using CIPP.	Sanitary Sewer	Completed	2014	Sherman Creek	\$133,238	N/A	City
Atlantic Beach	N/A	AB-156	Manhole Inspections and Rehabilitation	Rehabilitate manholes on Francis Ave., Jordan St., and Lewis St. using Spectrashield.	Sanitary Sewer	Completed	2014	Sherman Creek	\$7,000	N/A	City
Atlantic Beach	N/A	AB-157	Sewer Line Upgrades	Rehabilitate sanitary sewer mains on Saturiba Dr., 15th St., and 16th St. using CIPP.	Sanitary Sewer	Completed	2014	Sherman Creek	\$133,315	N/A	City
Atlantic Beach	N/A	AB-158	Manhole Inspections and Rehabilitation	Rehabilitate manholes on Saturiba Dr. with fiberglass liners, and on Sea Oats with Spectrashield.	Sanitary Sewer	Completed	2014	Sherman Creek	\$52,212	N/A	City
Atlantic Beach	N/A	AB-159	East Coast Dr. Stormwater Improvements Project	Construction of stormwater piping with catch basins, manholes and curb inlets, sanitary sewer service line encasement.	Stormwater	Completed	2014	Sherman Creek	\$209,000	N/A	City
Atlantic Beach	N/A	AB-160	Effluent Gravity Outfall Inspection and Maintenance	Perform cleaning and CCTV inspection of 21-in gravity outfall on Donner Rd. Perform needed repairs if identified and root-cutting.	Sanitary Sewer	Underway	TBD	Hopkins Creek	\$50,000	N/A	City
Atlantic Beach	N/A	AB-161, AB-165	Vacuum Truck Cleaning of Stormwater Pipers and Sanitary Sewer Clogs	Purchase of Vac-Con truck for in-house cleaning of storm sewers and sanitary sewer facilities to more effectively prevent stormwater backups and SSOs.	Sanitary Sewer	Planned	TBD	Hopkins Creek, Sherman Creek	\$330,000	N/A	City
Atlantic Beach	N/A	AB-163	Sewer Line Upgrades	Rehabilitate sanitary sewer mains on Sea Oats Dr., Park Terr. East, Park Terr. West, and 17th St. using CIPP.	Sanitary Sewer	Underway	TBD	Sherman Creek	\$150,000	N/A	City
Atlantic Beach	N/A	AB-164	Manhole Inspections and Rehabilitation	Rehabilitate manholes on Sea Oats Dr., Park Terr. East, Park Terr. West, and 17th St. using Spectrashield.	Sanitary Sewer	Underway	TBD	Sherman Creek	\$50,000	N/A	City
Atlantic Beach	N/A	AB-166	Salt Air Neighborhood Stormwater Improvements	Restoration of roadside swales and drainage infrastructure.	Stormwater	Completed	2015	Sherman Creek	\$292,000	N/A	City
Atlantic Beach	N/A	AB-167, AB-169	Stormwater Master Plan Update	Updating model and citywide capital needs to address recent storm events and level of service expectations.	Stormwater	Underway	TBD	Hopkins Creek, Sherman Creek	Not provided	N/A	City
Atlantic Beach	N/A	AB-168	Aquatic Pond Improvements	Adding control structure and bulkhead/bank restoration.	Stormwater	Underway	TBD	Hopkins Creek	\$25,000	N/A	City
COJ	N/A	COJ-001	Townsend Rd. (COJ-31)	Wet detention.	Stormwater	Completed	Prior to 2009	Newcastle Creek	Not provided	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
COJ	N/A	COJ-002	Townsend Rd.	Townsend Rd. drainage system rehabilitation.	Stormwater	Completed	Prior to 2009	Newcastle Creek	\$173,326	N/A	City
COJ	N/A	COJ-003	Berrywood Lane	Ditch cleanout to remove sediments and vegetation.	Stormwater	Completed	Prior to 2009	Newcastle Creek	Not provided	N/A	City
COJ	N/A	COJ-004, COJ-027, COJ-045, COJ-061, COJ-081, COJ-106, COJ-129, COJ-145, COJ-159, COJ-177	Ditch /Creek Regrade/Erosion/Clean	Citizen Active Response Effort (CARE) requests. Costs limited to activities completed after release of work order system.	Stormwater	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$116,116	N/A	City
COJ	N/A	COJ-005, COJ-028, COJ-046, COJ-082, COJ-107, COJ-160, COJ-178, COJ-206, COJ-226, COJ-229	Lake or Pond Problem	All maintenance activities completed in response to CARE requests. Costs shown limited to activities completed after release of work order system.	Stormwater	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miramar Creek, Big Fishweir Creek, Goodbys Creek, Open Creek, Miller Creek, Deer Creek, Terrapin Creek	\$12,037	N/A	City
COJ	N/A	COJ-006, COJ-029, COJ-047, COJ-062, COJ-083, COJ-108, COJ-130, COJ-146, COJ-161, COJ-179	Structure Blocked/Repair/General Flooding	All maintenance activities completed in response to CARE requests. Costs shown limited to activities completed after release of work order system.	Stormwater	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$241,857	N/A	City
COJ	N/A	COJ-007, COJ-030, COJ-048, COJ-064, COJ-084, COJ-109, COJ-131, COJ-147, COJ-162, COJ-180	Illicit Water Discharge	CARE-initiated inspection.	Stormwater	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$11,660	N/A	City
COJ	N/A	COJ-008	Sewer Drains into Yard/Ditch	CARE initiated.	Stormwater	Completed	Prior to 2009	Newcastle Creek	\$212	N/A	City
COJ	N/A	COJ-009, COJ-033, COJ-051, COJ-067, COJ-087, COJ-112, COJ-134, COJ-231, COJ-165, COJ-182, COJ-231	Sewer Overflow	CARE initiated.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek,	\$37,312	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek, Terrapin Creek			
COJ	N/A	COJ-010, COJ-034, COJ-052, COJ-068, COJ-088, COJ-115, COJ-135, COJ-149, COJ-166, COJ-183	Private Lift Station Inspection	Private lift station inspection and update GIS coverage.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$9,964	N/A	City
COJ	N/A	COJ-011, COJ-035, COJ-053, COJ-070, COJ-089, COJ-117, COJ-136, COJ-151, COJ-168, COJ-185	IDDE	Identify and remove illicit connections if found to be illicit.	Stormwater	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$62,328	N/A	City
COJ	N/A	COJ-012, COJ-037, COJ-055, COJ-071, COJ-090, COJ-120, COJ-137, COJ-153, COJ-170, COJ-187	Routine Surface Water Sampling	NPDES permit-related quarterly water quality sampling.	Source Identification Activities	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$250,731	N/A	City
COJ	N/A	COJ-013, COJ-038, COJ-056, COJ-072, COJ-091, COJ-121, COJ-138	TAT Sampling	Conducted by COJ Environmental Quality Division (EQD) to assess bacteria levels in creek and identify potential fecal bacteria sources.	Source Identification Activities	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek	\$84,930	Not provided	City
COJ	N/A	COJ-014	Eggleston Heights Failure Area – Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2009	Newcastle Creek	Not provided	N/A	City
COJ	N/A	COJ-015, COJ-040, COJ-058, COJ-074, COJ-096, COJ-123, COJ-141, COJ-154, COJ-172, COJ-188	Outside Failure Areas – Septic Tank Phase Out	Phase out program as provided by COJ ordinance.	OSTDS	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek,	\$27,335	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek			
COJ	N/A	COJ-016, COJ-041, COJ-059, COJ-075, COJ-097, COJ-124, COJ-142, COJ-155, COJ-174, COJ-189	Septic Tank Maintenance Public Education	PSAs.	OSTDS	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	Not provided	Not provided	City
COJ	N/A	COJ-017, COJ-042, COJ-060, COJ-076, COJ-098, COJ-125, COJ-143, COJ-156, COJ-175, COJ-190	Pet/Animal Management Public Education	PSAs.	Stormwater	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	Not provided	Not provided	City
COJ	N/A	COJ-018	Durkeeville West	Wet detention.	Stormwater	Completed	Prior to 2009	Hogan Creek	Not provided	Not provided	City
COJ	N/A	COJ-019	Newtown Area	Flood improvement.	Stormwater	Planned	TBD	Hogan Creek	\$5,375,000	Not provided	City
COJ	N/A	COJ-020	Hogan Creek	Wet detention.	Stormwater	Completed	Prior to 2009	Hogan Creek	Not provided	Not provided	City
COJ	N/A	COJ-021	Edmonson West	Alleviate flooding by improving conveyances.	Stormwater	Completed	Prior to 2009	Hogan Creek	Not provided	Not provided	City
COJ	N/A	COJ-022	7th and Ionia	Standing water at curb.	Stormwater	Completed	2011	Hogan Creek	Not provided	Not provided	City
COJ	N/A	COJ-023	Boulevard Railroad Crossing	Headwall has failed, causing dual drain pipes to break.	Stormwater	Completed	2011	Hogan Creek	\$100,000	N/A	City
COJ	N/A	COJ-024	W&M-18th and Fla	Drainage system rehabilitation project.	Stormwater	Completed	Prior to 2009	Hogan Creek	\$2,620	N/A	City
COJ	N/A	COJ-025	Trash Removal in Main Channel	Removed trash in main channel of creek as Walk the WBID follow up.	Trash Clean Up of Impaired Waterbody	Completed	Prior to 2009	Hogan Creek	Not provided	N/A	City
COJ	N/A	COJ-026	Venus and Mars Apartment Complex Pond Maintenance	Conducted maintenance activities at pond at apartment complex as Walk the WBID follow up.	Stormwater	Completed	Prior to 2009	Hogan Creek	Not provided	N/A	City
COJ	N/A	COJ-031, COJ-049, COJ-065, COJ-085, COJ-110, COJ-132, COJ-148, COJ-163, COJ-194, COJ-243	Pollution Water Illegal Discharge	CARE-initiated inspection.	Stormwater	Completed	Prior to 2009	Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek,	\$10,812	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Newcastle Creek, Open Creek			
COJ	N/A	COJ-032, COJ-050, COJ-066, COJ-086, COJ-111, COJ-133, COJ-164, COJ-181, COJ-230	Sewer Drains into Yard/Ditch	CARE-initiated inspection.	Stormwater	Completed	Prior to 2009	Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Goodbys Creek, Open Creek, Terrapin Creek	\$11,872	N/A	City
COJ	N/A	COJ-036, COJ-054, COJ-118, COJ-152, COJ-169, COJ-186	Follow Up on Outstanding Potential Illicit Connection (PIC)	Follow up on 1 open PIC in watershed.	Stormwater	Completed	2010	Hogan Creek, Butcher Pen Creek, Big Fishweir Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$13,214	N/A	City
COJ	N/A	COJ-039, COJ-122, COJ-139	Source Identification Sampling	Source identification sampling conducted when high levels of fecal coliform bacteria are noted.	Source Identification Activities	Completed	Prior to 2009	Hogan Creek, Big Fishweir Creek, Deer Creek	\$13,000	N/A	City
COJ	N/A	COJ-043	Wesconnett Blvd. (Blanding to Blanding)	Wet detention.	Stormwater	Completed	Prior to 2009	Butcher Pen Creek	Not provided	Not provided	City
COJ	N/A	COJ-044	La Moya Roadway Project	Wet detention.	Stormwater	Completed	Prior to 2009	Butcher Pen Creek	Not provided	Not provided	City
COJ	N/A	COJ-063	Thin Vegetation at Mayfair Rd. and Bridgewater Rd.	Thin vegetation at Mayfair Rd. and Bridgewater Rd.	Stormwater	Completed	2010	Miller Creek	Not provided	Not provided	City
COJ	N/A	COJ-069	Enforcement at The Preserve at St. Nicholas Apartments	Provide status of enforcement for annual progress report.	Stormwater	Completed	Prior to 2009	Miller Creek	\$3,000	N/A	City
COJ	N/A	COJ-073	Cedar River Failure Area – Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2009	Butcher Pen Creek	Not provided	N/A	City
COJ	N/A	COJ-073	Saint Nicholas Failure Area – Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2009	Miller Creek	Not provided	N/A	City
COJ	N/A	COJ-077	Inwood Terrace Area	Relieve flooding by improving conveyances.	Stormwater	Completed	Prior to 2009	Miramar Creek	\$572,000	N/A	City
COJ	N/A	COJ-078	Miramar Tributary Improvements	Flood improvement.	Stormwater	Completed	Prior to 2009	Miramar Creek	\$1,200,000	N/A	City
COJ	N/A	COJ-079	Pine Forest/Larson Acres Area	Flood improvement, wet detention.	Stormwater	Completed	2010	Miramar Creek	\$5,015,000	N/A	City
COJ	N/A	COJ-080	St Augustine Rd. (Emerson to US Hwy. 1)	Regional pond.	Stormwater	Completed	Prior to 2009	Miramar Creek	Not provided	Not provided	City
COJ	N/A	COJ-092	Point La Vista Failure Area – Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2009	Miramar Creek	Not provided	N/A	City
COJ	N/A	COJ-093	Freeman Rd. Failure Area – Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2009	Miramar Creek	Not provided	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
COJ	N/A	COJ-094	Inwood Terrace Failure Area – Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2009	Miramar Creek	Not provided	N/A	City
COJ	N/A	COJ-095	Emerson Failure Area – Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2009	Miramar Creek	Not provided	N/A	City
COJ	N/A	COJ-099	Hamilton at Jersey Outfall	Improve outfall to relieve flooding.	Stormwater	Completed	2015	Big Fishweir Creek	\$2,900,000	N/A	City
COJ	N/A	COJ-100	Lakeshore Woodcrest	Wet detention.	Stormwater	Completed	Prior to 2009	Big Fishweir Creek	Not provided	Not provided	City
COJ	N/A	COJ-101	Murray Hill Phase 1	Wet detention.	Stormwater	Completed	Prior to 2009	Big Fishweir Creek	Not provided	Not provided	City
COJ	N/A	COJ-102	Riverside Ave.	2nd-generation baffle box.	Stormwater	Completed	Prior to 2009	Big Fishweir Creek	Not provided	Not provided	City
COJ	N/A	COJ-103	Drainage Improvements to Arden St.	Arden St. floods private property.	Stormwater	Completed	2011	Big Fishweir Creek	Not provided	Not provided	City
COJ	N/A	COJ-104	Jersey St Drainage	Pipe roadside ditch.	Stormwater	Completed	2011	Big Fishweir Creek	\$75,000	N/A	City
COJ	N/A	COJ-105	Fairfax Manor Creek	Regrade ditch.	Stormwater	Completed	2011	Big Fishweir Creek	\$65,000	N/A	City
COJ	N/A	COJ-113	Sewer Repairs at The Loop Restaurant	Follow-up and enforcement of sewer repairs at restaurant.	Sanitary Sewer	Completed	Prior to 2009	Big Fishweir Creek	\$1,500	N/A	City
COJ	N/A	COJ-114, COJ-195, COJ-200, COJ-203, COJ-207, COJ-212, COJ-227, COJ-232, COJ-239, COJ-244	Septic Tank Inspection	CARE initiated. Enforcement action if required by Duval County Health Dept. (DCHD).	OSTDS	Completed	Prior to 2009	Big Fishweir Creek, Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$52,486	N/A	City
COJ	N/A	COJ-119	Walk the WBID PIC Investigations	Inspect 5 PICs between Cassat and Plymouth Ave. and black corrugated pipe on central branch.	Stormwater	Completed	Prior to 2009	Big Fishweir Creek	\$1,272	N/A	City
COJ	N/A	COJ-126	Lower Eastside Drainage Improvements – Phase 3	Eliminate flooding area bordered by 7th St., M.L. King Jr. Expressway, 1st St., Spearing St.	Stormwater	Underway	TBD	Deer Creek	\$6,500,000	N/A	City
COJ	N/A	COJ-127	Lower Eastside Pond Expansion	Pond expansion to provide compensating treatment for library, courthouse, and other downtown improvements. Replaced with Project COJ-127.	Stormwater	Underway	TBD	Deer Creek	\$4,250,000	N/A	City
COJ	N/A	COJ-128	Upper Deer Creek Regional BMP	Wet detention.	Stormwater	Completed	Prior to 2009	Deer Creek	Not provided	Not provided	City
COJ	N/A	COJ-140	Investigate High Fecal Coliform Counts in Downstream Portion of Watershed	Investigate and report results in first annual BMAP report; Walk the WBID may be needed.	Source Identification Activities	Completed	Prior to 2009	Deer Creek	Not provided	N/A	City
COJ	N/A	COJ-144	Faye Rd. – Area Floods	Faye Rd. drainage system rehabilitation.	Stormwater	Completed	Prior to 2009	Terrapin Creek	\$40,000	N/A	City
COJ	N/A	COJ-157	Powers Ave. at Old Kings Rd.	Regional pond.	Stormwater	Completed	Prior to 2009	Goodbys Creek	Not provided	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
COJ	N/A	COJ-158	Repair Erosion at Sierra Madre Dr.	Bank repairs failed to prevent erosion.	Stormwater	Completed	Prior to 2009	Goodbys Creek	\$106,262	N/A	City
COJ	N/A	COJ-171	Beauclerc Gardens Failure Area – Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2009	Goodbys Creek	Not provided	N/A	City
COJ	N/A	COJ-173	Walk the WBID Effort	Conduct Walk the WBID in central portion of watershed to identify sources.	Source Identification Activities	Completed	2010	Goodbys Creek	Not provided	N/A	City
COJ	N/A	COJ-176	Improve Drainage Pine Tree Rd.	Road does not drain adequately.	Stormwater	Completed	2010	Open Creek	\$20,142	N/A	City
COJ	N/A	COJ-191	RSF	0.4-ac RSF planed under Master Stormwater Management Plan (MSMP); construction subject to funding.	Stormwater	Planned	2010	Newcastle Creek	\$110,000	N/A	City
COJ	N/A	COJ-192	3833 Hermitage Rd. East	Pipe replacement.	Stormwater	Completed	2010	Newcastle Creek	\$17,788	N/A	City
COJ	N/A	COJ-193, COJ-199, COJ-202, COJ-205, COJ-211, COJ-222, COJ-225, COJ-228, COJ-238, COJ-242	Ditch Hazardous Contaminated	CARE requests with costs for responses where work order was issued.	Stormwater	Completed	2010	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	N/A	Not provided	City
COJ	N/A	COJ-196, COJ-204, COJ-208, COJ-213, COJ-240, COJ-245	Re-Sampling	Conducted when high levels of fecal coliform bacteria are noted, to attempt to identify sources.	Source Identification Activities	Completed	2010	Newcastle Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Goodbys Creek, Open Creek	\$2,756	Not provided	City
COJ	N/A	COJ-197	Emerald Necklace and Liberty Ponds	MSMP construction schedule subject to funding.	Stormwater	Completed	2010	Hogan Creek	\$2,153,000	N/A	City
COJ	N/A	COJ-198	1500 8th St.	Pipe replacement.	Stormwater	Completed	2010	Hogan Creek	\$67,954	N/A	City
COJ	N/A	COJ-201	5000 Block Chadroe Rd.	Curb/gutter.	Stormwater	Completed	2010	Butcher Pen Creek	\$13,135	N/A	City
COJ	N/A	COJ-209	Conveyance Under San Jose Blvd	MSMP construction schedule subject to funding.	Stormwater	Planned	TBD	Miramar Creek	\$150,000	N/A	City
COJ	N/A	COJ-210	Pine Tree Rd. Drainage	Construction.	Stormwater	Completed	2010	Miramar Creek	\$57,309	Not provided	City
COJ	N/A	COJ-214	In-Line Dry Pond, Widen Downstream Channel	MSMP construction schedule subject to funding.	Stormwater	Planned	TBD	Big Fishweir Creek	\$2,500,000	N/A	City
COJ	N/A	COJ-215	5340 Royce Ave.	Pipe replacement.	Stormwater	Completed	2010	Big Fishweir Creek	\$63,608	N/A	City
COJ	N/A	COJ-216	Poppy Dr. Paving Rehabilitation	Construction.	Stormwater	Completed	2010	Big Fishweir Creek	\$58,357	N/A	City
COJ	N/A	COJ-217	1748 Harksheimer Ave.	Pipe replacement.	Stormwater	Completed	2010	Big Fishweir Creek	\$49,225	N/A	City
COJ	N/A	COJ-218	Quan Dr. Drainage Outfall	Drainage outfall improvement.	Stormwater	Completed	2012	Big Fishweir Creek	\$12,482	N/A	City
COJ	N/A	COJ-219	4700 Block Astral St.	Curb/gutter.	Stormwater	Completed	2010	Big Fishweir Creek	\$9,502	N/A	City
COJ	N/A	COJ-220	College/Talbot	Curb/gutter.	Stormwater	Completed	2010	Big Fishweir Creek	\$31,914	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
COJ	N/A	COJ-221	Murray Dr./French St.	Curb/gutter.	Stormwater	Completed	2010	Big Fishweir Creek	\$11,750	N/A	City
COJ	N/A	COJ-223	1405 Van Buran St.	Pipe replacement.	Stormwater	Completed	2010	Deer Creek	\$88,940	N/A	City
COJ	N/A	COJ-224	Jessie St.	Pipe CIPP.	Stormwater	Completed	2010	Deer Creek	\$237,952	N/A	City
COJ	N/A	COJ-233	BMAP Monitoring	COJ is not responsible for BMAP monitoring in watershed.	Source Identification Activities	Completed	2010	Terrapin Creek	N/A	N/A	City
COJ	N/A	COJ-234	Resampling	Conducted when high levels of fecal coliform bacteria are noted, to attempt to identify sources.	Source Identification Activities	Completed	2010	Terrapin Creek	N/A	Not provided	City
COJ	N/A	COJ-235	Berm, New Ponds with MAPS, Existing Pond with MAPS, and Borrow Pit with MAPS	MSMP construction schedule subject to funding.	Stormwater	Planned	TBD	Goodbys Creek	\$4,300,000	N/A	City
COJ	N/A	COJ-236	San Clerc/Sanchez Drainage	Construction.	Stormwater	Completed	2010	Goodbys Creek	\$229,524	Not provided	City
COJ	N/A	COJ-237	San Clerc Rd. Drainage Improvement	Drainage improvement.	Stormwater	Completed	2011	Goodbys Creek	\$541	Not provided	City
COJ	N/A	COJ-241	Conveyance Improvements Under Power Easement Near Deer Chase Pl. and Danforth Dr.	MSMP construction schedule subject to funding.	Stormwater	Planned	TBD	Open Creek	\$296,000	N/A	City
COJ	N/A	COJ-246	3931 Carmichael Ave.	Pipe replacement.	Stormwater	Completed	2014	Miller Creek	\$24,271	N/A	City
COJ	N/A	COJ-247	1290 Menna Dr.	Pipe replacement.	Stormwater	Completed	2014	Big Fishweir Creek	\$46,349	N/A	City
COJ	N/A	COJ-248	1748 Harkisheimer Dr.	Drainage improvement.	Stormwater	Completed	2014	Big Fishweir Creek	\$49,225	Not provided	City
COJ	N/A	COJ-249	Boone Park and Pine Grove	Drainage improvement.	Stormwater	Completed	2014	Big Fishweir Creek	\$2,502	Not provided	City
COJ	N/A	COJ-250	Rensselaer and Hollingsworth	Drainage improvement.	Stormwater	Completed	2014	Big Fishweir Creek	\$86,710	Not provided	City
COJ	N/A	COJ-251	San Clerc/Sanchez Drainage Improvement	Drainage improvement.	Stormwater	Completed	2014	Goodbys Creek	\$29,524	Not provided	City
COJ	N/A	COJ-252	Sanchez Rd.	Drainage improvement.	Stormwater	Completed	2014	Goodbys Creek	\$62,333	Not provided	City
COJ	N/A	COJ-253	1100 4th St.	Drainage improvement.	Stormwater	Underway	TBD	Hogan Creek	\$92,554	Not provided	City
COJ	N/A	COJ-254	6442 Romily Rd.	Drainage improvement.	Stormwater	Completed	2014	Butcher Pen Creek	\$20,208	Not provided	City
COJ	N/A	COJ-255	2121 Sessions Lane	Drainage improvement.	Stormwater	Completed	2014	Miramar Creek	\$45,903	Not provided	City
COJ	N/A	COJ-256	2120 Sessions Lane	Drainage improvement.	Stormwater	Completed	2014	Miramar Creek	\$38,165	Not provided	City
COJ	N/A	COJ-257	Woodruff Ave.	Drainage improvement.	Stormwater	Completed	2014	Big Fishweir Creek	\$24,239	Not provided	City
COJ	N/A	COJ-258	1525 Tallyrand Ave.	Drainage improvement.	Stormwater	Completed	2014	Deer Creek	\$38,421	Not provided	City
COJ	N/A	COJ-259	9439 San Jose Blvd.	Drainage improvement.	Stormwater	Completed	2014	Goodbys Creek	\$66,195	Not provided	City
COJ	N/A	COJ-260	Washburn Rd.	Drainage improvement.	Stormwater	Completed	2014	Open Creek	\$6,191	Not provided	City
COJ	N/A	COJ-261	Washburn Rd. Drainage	Drainage improvement.	Stormwater	Completed	2014	Open Creek	\$35,949	Not provided	City
COJ	N/A	COJ-262	Washburn Rd. Drainage Part A	Drainage improvement.	Stormwater	Completed	2014	Open Creek	\$72,692	Not provided	City
COJ	N/A	COJ-263	1003 15th St.	Design.	Stormwater	Planned	TBD	Hogan Creek	\$21,254	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
COJ	N/A	COJ-264	Steele St. at Myrtle Ave.	Storm sewer.	Stormwater	Completed	2014	Hogan Creek	\$15,239	Not provided	City
COJ	N/A	COJ-265	4615 Harlow Blvd.	Storm sewer.	Stormwater	Underway	TBD	Butcher Pen Creek	\$80,487	Not provided	City
COJ	N/A	COJ-266	Harlow Blvd. at Bambi Lane	Drain line.	Stormwater	Completed	2014	Butcher Pen Creek	\$74,845	Not provided	City
COJ	N/A	COJ-267	4503 ISH Brant Rd. West and 4465 Ranier Rd.	Storm sewer.	Stormwater	Completed	2014	Butcher Pen Creek	\$8,595	Not provided	City
COJ	N/A	COJ-268	Kingsbury St. at Lark St.	Cave in.	Stormwater	Completed	2014	Big Fishweir Creek	\$10,177	Not provided	City
COJ	N/A	COJ-269	Plymouth St.	Design.	Stormwater	Underway	TBD	Big Fishweir Creek	\$8,339	Not provided	City
COJ	N/A	COJ-270	3900 Richmond St.	Storm sewer.	Stormwater	Completed	2014	Big Fishweir Creek	\$2,773	Not provided	City
COJ	N/A	COJ-271	Rensselaer Ave. at Hollingsworth St.	Construction.	Stormwater	Completed	2014	Big Fishweir Creek	\$56,470	Not provided	City
COJ	N/A	COJ-272	9115 Barnstaple Lane	Drain line.	Stormwater	Completed	2014	Goodbys Creek	\$40,006	Not provided	City
COJ	N/A	COJ-272	Quan Dr.	Construction.	Stormwater	Underway	TBD	Big Fishweir Creek	\$148,686	Not provided	City
COJ	N/A	COJ-273	8893 Brierwood Rd.	Storm sewer.	Stormwater	Completed	2014	Goodbys Creek	\$6,034	Not provided	City
COJ	N/A	COJ-274	Osprey Court	Construction.	Stormwater	Underway	TBD	Goodbys Creek	\$89,394	Not provided	City
COJ	N/A	COJ-275	Outfall Ditch Vegetation Management	Herbicide spraying and litter removal	Stormwater	Completed	2014	Newcastle Creek	Not provided	N/A	City
COJ	N/A	COJ-276, COJ-278, COJ-280, COJ-281, COJ-283	Outfall Ditch Vegetation Management	Herbicide spraying and litter removal.	Stormwater	Completed	2014	Hogan Creek, Butcher Pen Creek, Miramar Creek, Big Fishweir Creek, Goodbys Creek	\$29,829	N/A	City
COJ	N/A	COJ-277, COJ-279, COJ-282	Stormwater Action Team Proactive Maintenance Program	Roadside and outfall ditch regrade, vegetation removal, illegal dumping cleanup, and illicit discharge source removal.	Stormwater	Completed	2014	Butcher Pen Creek, Miramar Creek, Goodbys Creek	\$37,210	N/A	City
COJ	N/A	COJ-284	Participate in TAT Calls and Efforts	Continue participation in TAT coordination calls and other TAT efforts.	Source Identification Activities	Completed	2015	BMAP I Basinwide	N/A	Not provided	City
COJ	N/A	COJ-285	Source Identification Follow up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	BMAP I Basinwide	N/A	Not provided	City
COJ	N/A	COJ-286	Sample Analysis	Continue BMAP monitoring, with adjustments made as needed, and follow up on high results per TAT protocol. Add <i>E. coli</i> and enterococci, as appropriate.	Source Identification Activities	Completed	2015	BMAP I Basinwide	N/A	Not provided	City
COJ	N/A	COJ-287	Dumpster Inspection Program	Develop inspection program for dumpster areas and behind restaurants, convenience stores, and grocery stores.	Stormwater	Completed	2015	BMAP I Basinwide	N/A	Not provided	City
COJ	N/A	COJ-288	Tributary Clean Up and Search for Illicit Connections	Promote community awareness of waterbodies' health, organize annual community cleanups, and inspect for illicit connections. This will occur in 10 WBIDs over next 5 years.	Trash Cleanup of Impaired Waterbody	Completed	2015	Deer Creek (2016), Goodbys Creek (2016, 2017), Big Fishweir Creek (2015-17), Butcher Pen Creek (2016,	N/A	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								2017), Hogan Creek (2015–17), Miller Creek (2016)			
COJ	N/A	COJ-289	Investigate Re-Routed Stormwater	Investigate stormwater projects in each BMAP WBID that may have diverted stormwater away from tributaries.	Stormwater	Completed	2015	BMAP I Basinwide	N/A	Not provided	City
COJ	N/A	COJ-290	Walk the WBID Follow Up	Address any action items identified as result of 2014 Walk the WBID.	Source Identification Activities	Completed	2015	BMAP I Basinwide	Not provided	N/A	City
COJ	N/A	COJ-291	Contractor Pond Maintenance	Vegetation management and remove litter.	Stormwater	Completed	2015	BMAP I Basinwide	N/A	Not provided	City
COJ	N/A	COJ-292	Work Type: Flooding	CARE response and proactive roadway/building flooding and general drainage problems.	Stormwater	Completed	2016	BMAP I Basinwide	N/A	Not provided	City
COJ	N/A	COJ-293	Work Type: Structure Cleaning	CARE response and proactive MS4 maintenance work orders.	Stormwater	Completed	2016	BMAP I Basinwide	N/A	Not provided	City
COJ	N/A	COJ-001	St Augustine Rd. (Emerson to US Hwy. 1) (Main Stem COJ-7)	Not provided.	Stormwater	Completed	Prior to 2010	Craig Creek	Not provided	Not provided	City
COJ	N/A	COJ-002	Vale Orchard Lane St. Improvements	Address area where previous street repair has settled and damaged side curbing.	Stormwater	Completed	2011	Craig Creek	Not provided	Not provided	City
COJ	N/A	COJ-003, COJ-037, COJ-058, COJ-081, COJ-103, COJ-124, COJ-147, COJ-163, COJ-175, COJ-192, COJ-208, COJ-225, COJ-244, COJ-268, COJ-288	Ditch /Creek Regrade/Erosion/Clean	All maintenance activities presented were completed in response to CARE requests. Costs shown are limited to activities completed after release of work order system.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$541,725	N/A	City
COJ	N/A	COJ-004, COJ-038, COJ-059, COJ-082, COJ-104, COJ-125, COJ-148, COJ-176, COJ-193, COJ-209, COJ-226, COJ-245, COJ-269, COJ-289	Lake or Pond Problem	All maintenance activities presented were completed in response to CARE requests. Costs shown are limited to activities completed after release of work order system.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg	\$4,719	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Creek, Middle Trout River, Lower Trout River			
COJ	N/A	COJ-005, COJ-039, COJ-060, COJ-083, COJ-105, COJ-126, COJ-149, COJ-164, COJ-177, COJ-194, COJ-210, COJ-227, COJ-246, COJ-270, COJ-290	Structure Blocked/Repair/General Flooding	All maintenance activities presented were completed in response to CARE requests. Costs shown are limited to activities completed after release of work order system.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$277,721	N/A	City
COJ	N/A	COJ-006, COJ-040, COJ-061, COJ-084, COJ-106, COJ-127, COJ-150, COJ-165, COJ-178, COJ-195, COJ-211, COJ-247, COJ-271, COJ-291	Illicit Water Discharge	CARE initiated inspection.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Creek, Wills Branch, Sherman Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$39,037	N/A	City
COJ	N/A	COJ-007, COJ-041, COJ-062, COJ-085, COJ-107, COJ-128, COJ-151, COJ-166, COJ-179, COJ-196, COJ-212, COJ, 228, COJ-248, COJ-272, COJ-292	Pollution Water Illegal Discharge	CARE initiated inspection.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$44,722	N/A	City
COJ	N/A	COJ-008, COJ-042, COJ-063, COJ-086,	Sewer Drains into Yard/Ditch	CARE initiated inspection.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek,	\$18,571	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
		COJ-108, COJ-129, COJ-152, COJ-167, COJ-197, COJ-213, COJ-229, COJ-249, COJ-273, COJ-293						Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River			
COJ	N/A	COJ-009, COJ-043, COJ-064, COJ-087, COJ-109, COJ-130, COJ-153, COJ-168, COJ-180, COJ-198, COJ-241, COJ-230, COJ-250, COJ-274, COJ-294	Sewer Overflow	CARE initiated inspection.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$117,490	N/A	City
COJ	N/A	COJ-010, COJ-044, COJ-065, COJ-091, COJ-110, COJ-132, COJ-154, COJ-169, COJ-181, COJ-199, COJ-215, COJ-231, COJ-252, COJ-275	Private Lift Station Inspection	Private lift station inspection and update GIS coverage.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River	\$211,861	N/A	City
COJ	N/A	COJ-011, COJ-045, COJ-066, COJ-092, COJ-111, COJ-133, COJ-155, COJ-170, COJ-182, COJ-200, COJ-216, COJ-232, COJ-253, COJ-276, COJ-296	GIS Coverage Update	Update and verify private lift station GIS coverage.	Sanitary Sewer	Completed	2011	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins	Not provided	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River			
COJ	N/A	COJ-012, COJ-048, COJ-068, COJ-093, COJ-113, COJ-135, COJ-158, COJ-172, COJ-185, COJ-202, COJ-218, COJ-234, COJ-256, COJ-278, COJ-300	IDDE	Identify and remove illicit connections if found to be illicit.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$135,915	N/A	City
COJ	N/A	COJ-013, COJ-049, COJ-069, COJ-094, COJ-114, COJ-136, COJ-186, COJ-203, COJ-219, COJ-257, COJ-301	Follow Up on Outstanding PICs	Follow up on 2 open PICs in watershed.	Stormwater	Completed	2011	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Cormorant Creek, Wills Branch, Sherman Creek, Pottsburg Creek, Lower Trout River	\$32,693	N/A	City
COJ	N/A	COJ-014, COJ-050, COJ-070, COJ-095, COJ-115, COJ-137, COJ-159, COJ-173, COJ-187, COJ-204, COJ-220, COJ-235, COJ-258, COJ-279, COJ-302	Routine Surface Water Sampling	Carry out NPDES permit-related quarterly water quality sampling.	Source Identification Activities	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	N/A	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
COJ	N/A	COJ-015, COJ-051, COJ-071, COJ-138	TAT Sampling	Conducted by COJ EQD to assess bacteria levels in creek and help identify potential fecal bacteria sources.	Source Identification Activities	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Moncrief Creek	N/A	Not provided	City
COJ	N/A	COJ-016	Freeman Rd./Inwood Failure Area– Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Craig Creek	Not provided	N/A	City
COJ	N/A	COJ-017	Emerson Failure Area– Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Craig Creek	Not provided	N/A	City
COJ	N/A	COJ-018, COJ-055, COJ-074, COJ-098, COJ-118, COJ-143, COJ-160, COJ-189, COJ-205, COJ-222, COJ-237, COJ-262, COJ-281, COJ-305	Septic Tanks Outside Failure Area– Septic Tank Phase Out	Phase out program as provided by COJ ordinance.	OSTDS	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	Not provided	Not provided	City
COJ	N/A	COJ-019, COJ-056, COJ-075, COJ-099, COJ-119, COJ-144, COJ-161, COJ-190, COJ-206, COJ-223, COJ-238, COJ-263, COJ-282, COJ-306	Septic Tank Maintenance Public Education	PSAs.	OSTDS	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	N/A	Not provided	City
COJ	N/A	COJ-020, COJ-057, COJ-076, COJ-100, COJ-120, COJ-145, COJ-162, COJ-191, COJ-207, COJ-224, COJ-239, COJ-264, COJ-283, COJ-307	Pet/Animal Management Public Education	PSAs.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg	N/A	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Creek, Middle Trout River, Lower Trout River			
COJ	N/A	COJ-021	Lenox Ave. (Hwy. to McDuff) (Main Stem COJ-32)	Construct wet detention pond.	Stormwater	Completed	Prior to 2010	McCoy Creek	Not provided	Not provided	City
COJ	N/A	COJ-022	McCoy Creek (Main Stem COJ-3)	Construct Ponds A and B.	Stormwater	Completed	Prior to 2010	McCoy Creek	Not provided	Not provided	City
COJ	N/A	COJ-023	McCoy Creek (Main Stem COJ-4)	Construct Pond F.	Stormwater	Completed	Prior to 2010	McCoy Creek	Not provided	Not provided	City
COJ	N/A	COJ-024	McCoy Creek (Main Stem COJ-22)	Construct Pond D.	Stormwater	Completed	Prior to 2010	McCoy Creek	Not provided	Not provided	City
COJ	N/A	COJ-025	McCoy Creek–Air Liquid Site	Retrofit pond and drainage.	Stormwater	Underway	TBD	McCoy Creek	\$1,000,000	Not provided	City
COJ	N/A	COJ-026	McCoy Creek Pond C	Construct pond, Hollybrook Park.	Stormwater	Completed	2013	McCoy Creek	\$3,955,522	Not provided	City
COJ	N/A	COJ-027	Melba St. and Green St.	Construct wet detention pond.	Stormwater	Completed	2011	McCoy Creek	\$2,701,500	Not provided	City
COJ	N/A	COJ-028	McCoy Creek	Construct Broward/Smith Pond.	Stormwater	Completed	2011	McCoy Creek	\$97,000	Not provided	City
COJ	N/A	COJ-029	Ontario St. Drainage Improvements	Implement drainage improvements to address flooding at 795 Ontario.	Stormwater	Completed	2011	McCoy Creek	Not provided	Not provided	City
COJ	N/A	COJ-030	Spruce/Price Drainage Improvements	Implement drainage improvements to address flooding at intersection during heavy rains.	Stormwater	Completed	2011	McCoy Creek	Not provided	Not provided	City
COJ	N/A	COJ-031	Correct Drainage at Westbrook Cir. West	Implement drainage improvements to address flooding at 1025 Westbrook.	Stormwater	Completed	2011	McCoy Creek	Not provided	Not provided	City
COJ	N/A	COJ-032	Correct Road Flooding at Labelle St.	Implement drainage improvements to address inadequate underdrain system that allows flooding.	Stormwater	Completed	2011	McCoy Creek	Not provided	Not provided	City
COJ	N/A	COJ-033	Winter St.	Implement drainage improvements to address ponding water.	Stormwater	Completed	Prior to 2010	McCoy Creek	Not provided	Not provided	City
COJ	N/A	COJ-034	Barber St. and Broadway Ave.	Implement drainage improvements to address flooding at intersection.	Stormwater	Completed	Prior to 2010	McCoy Creek	Not provided	Not provided	City
COJ	N/A	COJ-035	Dignan St./Day Ave.	Reconstruct ditches and culverts to provide positive drainage.	Stormwater	Completed	Prior to 2010	McCoy Creek	\$63,408	N/A	City
COJ	N/A	COJ-036	Acorn St. SW and Drainage	Replace sidewalks, install new curbing, and construct new drainage infrastructure on Acorn between McQuade St. and Windle St.	Stormwater	Completed	Prior to 2010	McCoy Creek	\$100,507	N/A	City
COJ	N/A	COJ-046	Verify Location of Private Lift Stations on Boundary	Confirm locations of lift stations on boundary for first annual progress report	Sanitary Sewer	Completed	2011	McCoy Creek	Not provided	N/A	City
COJ	N/A	COJ-047	Pump Station Inspections	Inspect pump stations near surface waters to ensure they are functioning properly and report status in first annual report.	Sanitary Sewer	Completed	2011	McCoy Creek	Not provided	N/A	City
COJ	N/A	COJ-052, COJ-096, COJ-116, COJ-139, COJ-221, COJ236, COJ-280, COJ-315,	Source Identification Sampling	Conduct source identification sampling when high levels of fecal coliform bacteria are noted.	Source Identification Activities	Completed	Prior to 2010	McCoy Creek, Fishing Creek, Deep Bottom Creek, Moncrief	N/A	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
		COJ-332, COJ-334, COJ-336, COJ-338, COJ-343, COJ-345, COJ-352						Creek, Sherman Creek, Greenfield Creek, Middle Trout River, Craig Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Pottsburg Creek, Lower Trout River, Williamson Creek			
COJ	N/A	COJ-053	Follow Up on Thermal Anomalies	Using thermal imagery, followed up on anomalies in WBID; none were fecal coliform source.	Source Identification Activities	Completed	Prior to 2010	McCoy Creek	N/A	Not provided	City
COJ	N/A	COJ-054	Murray Hill A Failure Area – Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	McCoy Creek	Not provided	N/A	City
COJ	N/A	COJ-057	Cedar River Failure Area – Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Williamson Creek	Not provided	N/A	City
COJ	N/A	COJ-067, COJ-089, COJ-112, COJ-156, COJ-171, COJ-183, COJ-201, COJ-233, COJ-254, COJ-298	Confirm Locations of Lift Stations on Boundary	Confirm locations of lift stations on boundary for first annual progress report.	Sanitary Sewer	Completed	2011	Williamson Creek, Fishing Creek, Deep Bottom Creek, Blockhouse Creek, Hopkins Creek, Cormorant Creek, Wills Branch, Greenfield Creek, Pottsburg Creek, Lower Trout River	\$500	N/A	City
COJ	N/A	COJ-072	Walk the WBID	Participated in Walk the WBID reconnaissance efforts and TAT sampling.	Source Identification Activities	Completed	Prior to 2010	Williamson Creek	Not provided	N/A	City
COJ	N/A	COJ-077	La Moya Roadway Project (Main Stem COJ-42)	Construct wet detention pond.	Stormwater	Completed	Prior to 2010	Fishing Creek	Not provided	Not provided	City
COJ	N/A	COJ-078	Wesconnett Blvd. (Blanding to Blanding) (Main Stem COJ-33)	Construct wet detention pond.	Stormwater	Completed	Prior to 2010	Fishing Creek	Not provided	Not provided	City
COJ	N/A	COJ-079	Replace Cross Drain at Perrine Dr.	Replace cross drain—too small to handle drainage area.	Stormwater	Completed	2011	Fishing Creek	Not provided	N/A	City
COJ	N/A	COJ-080	Redstone Dr. Drainage	Install cross drain and improve ditches.	Stormwater	Completed	Prior to 2010	Fishing Creek	\$150,000	N/A	City
COJ	N/A	COJ-088, COJ-131, COJ-251, COJ-295	Septic Tank Inspection	CAR- initiated inspection.	Sanitary Sewer	Completed	Prior to 2010	Lower Trout River, Fishing Creek, Moncrief Creek, Pottsburg Creek	\$107,257	N/A	City
COJ	N/A	COJ-090, COJ-134, COJ-157, COJ-184,	Pump Station Inspections	Inspect pump stations near surface waters to ensure they are functioning	Sanitary Sewer	Completed	2011	Fishing Creek, Moncrief Creek,	\$500	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
		COJ-217, COJ-255, COJ-277, COJ-299		properly and report status in first annual report.				Blockhouse Creek, Cormorant Creek, Sherman Creek, Pottsburg Creek, Middle Trout River, Lower Trout River			
COJ	N/A	COJ-097	Pernecia Failure Area–Septic Tank Phase Out	Phase out septic tanks in failure areas.	OSTDS	Completed	Prior to 2010	Fishing Creek	Not provided	N/A	City
COJ	N/A	COJ-101	Crown Point and Moorings Landing Drainage	Investigate ponds and design sewer across Crown Point.	Stormwater	Completed	2011	Deep Bottom Creek	Not provided	N/A	City
COJ	N/A	COJ-102	Cypresswood and Silkwood Intersection Improvements	Improve intersection – failing cross drain causing road to wash out.	Stormwater	Completed	Prior to 2010	Deep Bottom Creek	\$100,000	N/A	City
COJ	N/A	COJ-117	Scott Mill Failure Area–Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Deep Bottom Creek	Not provided	N/A	City
COJ	N/A	COJ-121	Moncrief Creek (Main Stem COJ-27)	Construct wet detention pond at 30th St. West and Leonard Cir. West.	Stormwater	Completed	Prior to 2010	Moncrief Creek	Not provided	N/A	City
COJ	N/A	COJ-122	Royal Terrace Phases A, B, C, D, E, 1, 2, 3, 4 (Main Stem COJ-18)	Construct wet detention pond at 45th St. West and Ave. B.	Stormwater	Completed	Prior to 2010	Moncrief Creek	Not provided	Not provided	City
COJ	N/A	COJ-123	49th and Pearl	Implement drainage improvements–ponding water floods yard.	Stormwater	Completed	2011	Moncrief Creek	Not provided	Not provided	City
COJ	N/A	COJ-140	Lake Forest Failure Area–Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Lower Trout River	Not provided	Not provided	City
COJ	N/A	COJ-141	Cristobel Failure Area–Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Moncrief Creek	Not provided	Not provided	City
COJ	N/A	COJ-142	Royal Terrace Failure Area–Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Moncrief Creek	Not provided	Not provided	City
COJ	N/A	COJ-146	Jennings Rd./Lem Turner Rd.	Repair failed cross drain.	Stormwater	Completed	Prior to 2010	Blockhouse Creek	\$23,000	N/A	City
COJ	N/A	COJ-174	Lorretto Rd. (SR 13 to Old St. Augustine Rd.) (Main Stem COJ-16)	Construct wet detention pond.	Stormwater	Completed	Prior to 2010	Cormorant Branch	Not provided	Not provided	City
COJ	N/A	COJ-188	Julington Hills Failure Area–Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Cormorant Branch	Not provided	N/A	City
COJ	N/A	COJ-240	Barnes Rd. (University Blvd. to Parental Home) (Main Stem COJ-11)	Construct wet detention pond.	Stormwater	Completed	Prior to 2010	Pottsburg Creek	Not provided	Not provided	City
COJ	N/A	COJ-241	Parental Home Rd. Phase 2 (Beach Blvd. to Ibach Rd.) (Main Stem COJ-15)	Construct wet detention pond.	Stormwater	Completed	Prior to 2010	Pottsburg Creek	Not provided	Not provided	City
COJ	N/A	COJ-242	Parental Home Rd. Phase 1 (Bowden Rd. from	Construct wet detention pond.	Stormwater	Completed	Prior to 2010	Pottsburg Creek	Not provided	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
			Salisbury to Dean Rd.) (Main Stem COJ-14)								
COJ	N/A	COJ-243	Wren Rd. Drainage	Implement drainage improvements along Wren Rd.	Stormwater	Completed	2011	Pottsburg Creek	\$45,000	N/A	City
COJ	N/A	COJ-259	Glynlea Failure Area– Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Pottsburg Creek	Not provided	N/A	City
COJ	N/A	COJ-260	Oakhaven Failure Area– Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Pottsburg Creek	Not provided	N/A	City
COJ	N/A	COJ-261	Murray Hill Failure Area– Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Pottsburg Creek	Not provided	N/A	City
COJ	N/A	COJ-265	Messer Area Drainage	Provide positive drainage to eliminate flooding; completion in 2013.	Stormwater	Planned	TBD	Middle Trout River	\$4,750,000	N/A	City
COJ	N/A	COJ-266	Garden St. Drainage Improvements	Address flooding at intersection of Garden St. and Iowa Ave.	Stormwater	Completed	2011	Middle Trout River	\$158,170	N/A	City
COJ	N/A	COJ-267	Allene Rd. Ditch Improvement	Address problem with eroding ditch that is flooding street.	Stormwater	Completed	2011	Middle Trout River	Not provided	N/A	City
COJ	N/A	COJ-284	Sherwood Forest Area	Implement project to reduce flooding.	Stormwater	Completed	Prior to 2010	Lower Trout River	\$3,190,400	N/A	City
COJ	N/A	COJ-285	La Villa Brooklyn (Broward Rd. at Smith Rd.)	Implement flood-control project and compensatory treatment for new downtown library.	Stormwater	Completed	2011	Lower Trout River	\$2,750,000	N/A	City
COJ	N/A	COJ-286	Riverview North	Implement wet detention/flood-control project.	Stormwater	Completed	Prior to 2010	Lower Trout River	\$1,646,045	N/A	City
COJ	N/A	COJ-287	Soutel/Bassett Drainage Improvements	Implement drainage improvements – drain pipe beyond pond is 1 ft too high.	Stormwater	Completed	2011	Lower Trout River	Not provided	N/A	City
COJ	N/A	COJ-297	Private Lift Station Inspection	Inspect 9 private lift stations in WBID.	Sanitary Sewer	Completed	Prior to 2010	Lower Trout River	\$20,466	N/A	City
COJ	N/A	COJ-303	Lake Forest Failure Area– Septic Tank Phase Out	Phase out septic tanks in failure areas.	OSTDS	Completed	Prior to 2010	Moncrief Creek	Not provided	N/A	City
COJ	N/A	COJ-304	Riverview Failure Area– Septic Tank Phase Out	Phase out septic tanks in failure areas (also listed as part of larger LSJR Main Stem BMAP project).	OSTDS	Completed	Prior to 2010	Lower Trout River	Not provided	N/A	City
COJ	N/A	COJ-308	Harbor Cove/Inwood Terr.	Drainage improvement.	Stormwater	Completed	2011	Craig Creek	\$1,342	Not provided	City
COJ	N/A	COJ-309	Kingswood/Berwick Rd.	Road drainage design.	Stormwater	Completed	2011	Craig Creek	\$1,102	Not provided	City
COJ	N/A	COJ-310	Kingswood/Berwick Rd.	Road drainage construction.	Stormwater	Completed	2012	Craig Creek	\$23,060	Not provided	City
COJ	N/A	COJ-311	Berwick Rd.	Drainage improvement.	Stormwater	Completed	2013	Craig Creek	\$25,149	Not provided	City
COJ	N/A	COJ-312	Phillips Hwy. Pond	Wet detention pond.	Stormwater	Planned	TBD	Craig Creek	\$1,100,000	Not provided	City
COJ	N/A	COJ-313	Pine Forest	Wet detention pond.	Stormwater	Underway	TBD	Craig Creek	\$5,882,478	Not provided	City
COJ	N/A	COJ-314	Inwood Terrace	Drainage improvement.	Stormwater	Completed	2011	Craig Creek	\$650,000	Not provided	City
COJ	N/A	COJ-316	McCoy Creek Blvd	Channel improvement.	Stormwater	Planned	TBD	McCoy Creek	\$2,800,000	Not provided	City
COJ	N/A	COJ-317	Newtown Drainage Improvements	Wet detention pond.	Stormwater	Completed	2016	McCoy Creek	\$5,791,000	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
COJ	N/A	COJ-318	Superior and Carter	Drainage improvement.	Stormwater	Completed	2013	McCoy Creek	\$40,583	Not provided	City
COJ	N/A	COJ-319	RSF w/MAPS	RSF w/MAPS.	Stormwater	Planned	BD	Williamson Creek	\$366,429	Not provided	City
COJ	N/A	COJ-320	Hugh Edwards Drainage	Wet detention pond.	Stormwater	Completed	2011	Williamson Creek	\$1,400,00	Not provided	City
COJ	N/A	COJ-321	6700 Jack Horner Lane	Drainage improvement.	Stormwater	Completed	2011	Williamson Creek	\$48,853	Not provided	City
COJ	N/A	COJ-323	RSF – MSMP	RSF w/MAPS + channel lining.	Stormwater	Planned	TBD	Fishing Creek	\$1,812,527	Not provided	City
COJ	N/A	COJ-324	4922 Ricker Rd.	Drainage improvement.	Stormwater	Completed	2013	Fishing Creek	\$77,660	Not provided	City
COJ	N/A	COJ-325	7560 Melvin Rd.	Drainage improvement.	Stormwater	Completed	2013	Fishing Creek	\$51,991	Not provided	City
COJ	N/A	COJ-326	Antoinette Lane	Outfall repair.	Stormwater	Completed	2013	Fishing Creek	\$149,071	N/A	City
COJ	N/A	COJ-327, COJ-329, COJ-333, COJ-341, COJ-355	BMAP Monitoring	COJ EQD is responsible for 4 sites (2 sampled monthly and 2 sampled quarterly), began Dec. 2010.	Source Identification Activities	Completed	2011	Fishing Creek, Deep Bottom Creek, Hopkins Creek, Sherman Creek, Cormorant Creek	N/A	Not provided	City
COJ	N/A	COJ-328	Pond Near Senior Center – MSMP	Wet detention pond.	Stormwater	Planned	TBD	Deep Bottom Creek	\$2,100,000	Not provided	City
COJ	N/A	COJ-330	RSF – MSMP	RSF + bank.	Stormwater	Planned	TBD	Moncrief Creek	\$6,700,000	Not provided	City
COJ	N/A	COJ-331	Chestnut Dr.	Drainage improvements.	Stormwater	Completed	2012	Moncrief Creek	\$23,350	Not provided	City
COJ	N/A	COJ-335	RSF – MSMP	2-ac facility + 2 to 5-ft CMP + bank.	Stormwater	Planned	TBD	Cormorant Branch	\$6,700,000	Not provided	City
COJ	N/A	COJ-337	1591 Lane Ave. South	Drainage improvements.	Stormwater	Completed	2013	Wills Branch	\$67,924	Not provided	City
COJ	N/A	COJ-339	RSF – MSMP	5-ac facility + conveyance improvements.	Stormwater	Planned	TBD	Sherman Creek	\$1,800,000	Not provided	City
COJ	N/A	COJ-340	Renault/Apollo	Drainage improvements.	Stormwater	Completed	2012	Sherman Creek	\$62,972	Not provided	City
COJ	N/A	COJ-342	RSF – MSMP	8-ac facility + 7.5-ac facility + MAPS in existing ponds.	Stormwater	Planned	TBD	Pottsburg Creek	\$11,112,000	Not provided	City
COJ	N/A	COJ-344	Riverview Area Drainage Improvements	Drainage improvements.	Stormwater	Completed	2011	Lower Trout River	\$1,400,000	Not provided	City
COJ	N/A	COJ-346	1633 Berwick	Road drainage design.	Stormwater	Completed	2013	Craig Creek	\$48,222	Not provided	City
COJ	N/A	COJ-347, COJ-362, COJ-373	Ditch Hazardous Contaminated	All maintenance activities presented were completed in response to CARE requests.	Stormwater	Completed	2012	Craig Creek, Wills Branch, Moncrief Creek	Not provided	Not provided	City
COJ	N/A	COJ-348	Orchard St.	Outfall improvement.	Stormwater	Completed	2013	McCoy Creek	\$9,436	N/A	City
COJ	N/A	COJ-349	2980 Ernest St.	Drainage improvements.	Stormwater	Completed	2013	McCoy Creek	\$20,662	Not provided	City
COJ	N/A	COJ-350	Wilson Blvd.	Culvert replacement.	Stormwater	Completed	2013	Williamson Creek	\$5,521	N/A	City
COJ	N/A	COJ-351	6700 Jack Horner Lane	Drainage improvement.	Stormwater	Completed	2012	Williamson Creek	\$48,853	Not provided	City
COJ	N/A	COJ-353	Timawatha Ave.	Drainage improvement.	Stormwater	Completed	2013	Fishing Creek	\$27,837	Not provided	City
COJ	N/A	COJ-354	Tampico Rd.	Drainage improvement.	Stormwater	Completed	2013	Fishing Creek	\$25,662	Not provided	City
COJ	N/A	COJ-356	1121 Cahoon Rd.	Drainage improvement.	Stormwater	Completed	2013	Wills Branch	\$251,529	Not provided	City
COJ	N/A	COJ-357	Cahoon North of Homestead Oaks	Drainage improvement.	Stormwater	Completed	2013	Wills Branch	\$22,232	Not provided	City
COJ	N/A	COJ-358	Cahoon and Burma	Drainage improvement.	Stormwater	Completed	2013	Wills Branch	\$64,267	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
COJ	N/A	COJ-359	Cahoon (Burma North of Homestead Oaks Dr.)	Culvert improvement.	Stormwater	Completed	2013	Wills Branch	\$1,303	Not provided	City
COJ	N/A	COJ-360	Golfview West	Drainage improvement.	Stormwater	Completed	2013	Wills Branch	\$24,832	Not provided	City
COJ	N/A	COJ-361	Golfview West	Drainage improvement.	Stormwater	Completed	2013	Wills Branch	\$61,174	Not provided	City
COJ	N/A	COJ-363	3051 Herring Rd.	Drainage improvement.	Stormwater	Completed	2013	Pottsburg Creek	\$26,162	Not provided	City
COJ	N/A	COJ-363	Renault Dr./Apollo Dr. Part 2	Drainage improvements.	Stormwater	Completed	2013	Sherman Creek	\$13,789	Not provided	City
COJ	N/A	COJ-364	8602 Emerald Isle Cir. South	Drainage improvement.	Stormwater	Completed	2013	Pottsburg Creek	\$64,764	Not provided	City
COJ	N/A	COJ-365	Leafy Lanes	Drainage improvement.	Stormwater	Completed	2013	Pottsburg Creek	\$3,389	Not provided	City
COJ	N/A	COJ-366	10309 Iowa Ave.	Drainage improvement.	Stormwater	Completed	2013	Middle Trout River	\$86,748	Not provided	City
COJ	N/A	COJ-367	8921 Messer Rd.	Drainage improvement.	Stormwater	Completed	2013	Middle Trout River	\$25,671	Not provided	City
COJ	N/A	COJ-368	Sycamore Lane	Drainage improvement.	Stormwater	Completed	2013	Middle Trout River	\$51,186	Not provided	City
COJ	N/A	COJ-369	10435 Biscayne Blvd.	Drainage improvement.	Stormwater	Completed	2013	Lower Trout River	\$35,071	Not provided	City
COJ	N/A	COJ-370	120 Franklin St.	Drainage improvement.	Stormwater	Completed	2013	Lower Trout River	\$29,225	Not provided	City
COJ	N/A	COJ-371	904 Brandywine	Drainage improvement.	Stormwater	Completed	2013	Lower Trout River	\$366	Not provided	City
COJ	N/A	COJ-372	Gregory Place	Drainage improvement.	Stormwater	Completed	2013	Lower Trout River	\$18,361	Not provided	City
COJ	N/A	COJ-374	1025 Oriental Gardens	Construction.	Stormwater	Underway	TBD	Craig Creek	\$11,457	Not provided	City
COJ	N/A	COJ-375	Cecelia St.	Design.	Stormwater	Planned	TBD	McCoy Creek	\$31,209	Not provided	City
COJ	N/A	COJ-376	Nolan St @ Shearer Av	Design.	Stormwater	Planned	TBD	McCoy Creek	\$29,622	Not provided	City
COJ	N/A	COJ-377	Stockton St @ Edison Ave.	Storm sewer.	Stormwater	Completed	2014	McCoy Creek	\$13,713	N/A	City
COJ	N/A	COJ-378	Baldwin St.	Storm sewer.	Stormwater	Completed	2014	McCoy Creek	\$7,055	N/A	City
COJ	N/A	COJ-379	McCoys Creek @ Stockton St.	Storm sewer.	Stormwater	Completed	2014	McCoy Creek	\$7,123	N/A	City
COJ	N/A	COJ-380	Edison Ave. @ Lime Ave.	Storm sewer.	Stormwater	Completed	2014	McCoy Creek	\$27,772	N/A	City
COJ	N/A	COJ-381	Ledbury Dr. South at Anvers Blvd.	Storm sewer.	Stormwater	Completed	2014	Williamson Creek	\$4,328	N/A	City
COJ	N/A	COJ-382	6985 Wheat Rd.	Cave in.	Stormwater	Underway	TBD	Fishing Creek	\$5,306	N/A	City
COJ	N/A	COJ-383	6211 Firestone Rd.	Storm sewer.	Stormwater	Underway	TBD	Fishing Creek	\$42,318	N/A	City
COJ	N/A	COJ-384	4631 Benlocke Rd.	Storm sewer.	Stormwater	Underway	TBD	Fishing Creek	\$25,635	N/A	City
COJ	N/A	COJ-385	6562 Albicore Rd.	Storm sewer.	Stormwater	Completed	2014	Fishing Creek	\$1,973	N/A	City
COJ	N/A	COJ-386	5134 Ricker	Storm sewer.	Stormwater	Completed	2014	Fishing Creek	\$7,158	N/A	City
COJ	N/A	COJ-387	Helena St.	Storm sewer.	Stormwater	Completed	2014	Moncrief Creek	\$12,557	N/A	City
COJ	N/A	COJ-388	Chestnut Dr.	Construction.	Stormwater	Underway	TBD	Moncrief Creek	\$121,439	Not provided	City
COJ	N/A	COJ-389	University St.	Pond cease/desist.	Stormwater	Completed	2014	Moncrief Creek	\$15,999	N/A	City
COJ	N/A	COJ-390	3078 Purdom Dr.	Storm sewer.	Stormwater	Completed	2014	Cormorant Branch	\$3,511	N/A	City
COJ	N/A	COJ-391	Sewer Drains into Yard/Ditch	CARE-initiated inspection.	Stormwater	Completed	2013	Cormorant Branch	\$379	N/A	City
COJ	N/A	COJ-392	Hanson at Londonberry	Drain line.	Stormwater	Underway	TBD	Wills Branch	\$78,649	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
COJ	N/A	COJ-393	2444 Buttonwood Dr.	Storm sewer.	Stormwater	Underway	TBD	Pottsburg Creek	\$7,090	N/A	City
COJ	N/A	COJ-394	7518 Holiday Rd. S	Storm sewer.	Stormwater	Underway	TBD	Pottsburg Creek	\$5,974	N/A	City
COJ	N/A	COJ-395	8362 Hidden Lake	Storm sewer.	Stormwater	Underway	TBD	Pottsburg Creek	\$5,369	N/A	City
COJ	N/A	COJ-396	548 Bay Ridge Rd	Storm sewer.	Stormwater	Underway	TBD	Pottsburg Creek	\$2,616	N/A	City
COJ	N/A	COJ-397	Old Kings Rd.	Storm sewer rehabilitation.	Stormwater	Completed	2014	Middle Trout River	\$7,348	N/A	City
COJ	N/A	COJ-398	Moncrief-Dinsmore	Storm sewer rehabilitation.	Stormwater	Completed	2014	Middle Trout River	\$34,570	N/A	City
COJ	N/A	COJ-399	Iowa Ave. at Macklin St.	Drain line.	Stormwater	Underway	TBD	Middle Trout River	\$115,699	N/A	City
COJ	N/A	COJ-400	3307 Trout River	Drain line.	Stormwater	Underway	TBD	Lower Trout River	\$154,325	N/A	City
COJ	N/A	COJ-401	5330 Roanoke Blvd.	Cave in.	Stormwater	Completed	2014	Lower Trout River	\$4,985	N/A	City
COJ	N/A	COJ-402	Donnybrook Ave.	Storm sewer.	Stormwater	Completed	2014	Lower Trout River	\$34,910	N/A	City
COJ	N/A	COJ-403	Baldwin St. @ Barber St.	Storm sewer.	Stormwater	Completed	2014	Lower Trout River	\$30,103	N/A	City
COJ	N/A	COJ-404	10602 Civic Club Cr.	Drain line.	Stormwater	Completed	2014	Lower Trout River	\$41,850	N/A	City
COJ	N/A	COJ-405, COJ-407, COJ-409, COJ-411, COJ-413, COJ-415, COJ-417, COJ-418, COJ-419, COJ-420	Stormwater Action Team Proactive Maintenance Program	Roadside and outfall ditch regrades, vegetation removal, illegal dumping cleanup, and illicit discharge source removal.	Stormwater	Completed	2014	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Moncrief Creek, Blockhouse Creek, Cormorant Creek, Wills Branch, Pottsburg Creek, Middle Trout River	\$236,724	N/A	City
COJ	N/A	COJ-406, COJ-408, COJ-410, COJ-412, COJ-414, COJ-416	Outfall Ditch Vegetation Management	Herbicide spraying and litter removal.	Stormwater	Completed	2014	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Moncrief Creek, Blockhouse Creek	\$35,981	N/A	City
COJ	N/A	COJ-421	Contractor Pond Maintenance	Vegetation management and remove litter.	Stormwater	Completed	2015	BMAP II Basinwide	\$219,835	N/A	City
COJ	N/A	COJ-422	Participate in TAT Calls and Efforts	Continue participation in TAT coordination calls and other TAT efforts.	Source Identification Activities	Completed	2015	BMAP II Basinwide	N/A	Not provided	City
COJ	N/A	COJ-423	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	BMAP II Basinwide	N/A	Not provided	City
COJ	N/A	COJ-424	Sample Analysis	Continue BMAP monitoring, with adjustments made as needed, and follow up on high results per TAT protocol. Add <i>E. coli</i> and enterococci, as appropriate.	Source Identification Activities	Completed	2015	BMAP II Basinwide	N/A	Not provided	City
COJ	N/A	COJ-425	Dumpster Inspection Program	Develop inspection program for dumpster areas and behind restaurants, convenience stores, and grocery stores.	Stormwater	Completed	2015	BMAP II Basinwide	N/A	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
COJ	N/A	COJ-426	Tributary Clean Up and Search for Illicit Connections	Promote community awareness of waterbodies' health, organize annual community clean ups, and inspect for illicit connections. This will occur in 2 WBIDs/yr.	Trash Cleanup of Impaired Waterbody	Completed	2015	Lower Trout River (2015-2017), Sherman Creek (2015-2017), Fishing Creek (2015-2017), Pottsburg Creek (2015-2017), Cormorant Creek (2016, 2017), McCoys (2015-2017, monthly), Hopkins Creek (2015-2017), Craig Creek (2017), Moncrief Creek (2017)	N/A	Not provided	City
COJ	N/A	COJ-427	Investigate Rerouted Stormwater	Investigate stormwater projects in each BMAP WBID that may have diverted stormwater away from tributaries.	Stormwater	Completed	2015	BMAP II Basinwide	N/A	Not provided	City
COJ	N/A	COJ-428	Walk the WBID Follow Up	Address any action items identified as result of Phase 2 Walk the WBID.	Source Identification Activities	Completed	2015	BMAP II Basinwide	Not provided	N/A	City
COJ	N/A	COJ-429	Work Type: Flooding	CARE response and proactive roadway/building flooding and general drainage problems.	Stormwater	Completed	2016	BMAP II Basinwide	Not provided	Not provided	City
COJ	N/A	COJ-430	Work Type: Structure Cleaning	CARE response and proactive MS4 maintenance work orders.	Stormwater	Completed	2016	BMAP II Basinwide	Not provided	Not provided	City
FDOH	N/A	FDOH, 004, FDOH-010, FDOH-017, FDOH-024, FDOH-032, FDOH-041, FDOH-047, FDOH-053, FDOH-060, FDOH-068	Application/Plan Review and Site Evaluations	FDOH performs plan review and site evaluation for each application received for OSTDS new construction, repair, or modification of existing system.	OSTDS	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$600	N/A	FDOH
FDOH	N/A	FDOH-001, FDOH-007, FDOH-013, FDOH-020, FDOH-028, FDOH-037, FDOH-045, FDOH-050, FDOH-056, FDOH-065	OSTDS Program	Implementation of programs to address septic systems as potential sources.	OSTDS	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$16,100	N/A	FDOH
FDOH	N/A	FDOH-002, FDOH-015, FDOH-022,	SWIM Project	Implement broad-ranging septic tank ordinance	OSTDS	Completed	Prior to 2009	Newcastle Creek, Butcher Pen Creek,	Not provided	Not provided	FDOH

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
		FDOH,030, FDOH-039, FDOH-058						Miller Creek, Miramar Creek, Big Fishweir Creek, Goodbys Creek			
FDOH	N/A	FDOH-003, FDOH-009, FDOH-016, FDOH-023, FDOH-031, FDOH-040, FDOH-046, FDOH-052, FDOH-059, FDOH-067	FDOH-Sponsored Training Programs	Annual training programs held for septic tank contractors, certified plumbers, maintenance entities, and environmental health professionals.	OSTDS	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$2,500	N/A	FDOH
FDOH	N/A	FDOH-005, FDOH-011, FDOH-018, FDOH-025, FDOH-033, FDOH-042, FDOH-048, FDOH-054, FDOH-061, FDOH-069	Septic Tank Failure Area Ranking	Score and prioritize septic tank failure areas annually.	OSTDS	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	N/A	Not provided	FDOH
FDOH	N/A	FDOH-006, FDOH-012, FDOH-019, FDOH-026, FDOH-034, FDOH-043, FDOH-049, FDOH-055, FDOH-062, FDOH-070	Complaint Investigations	FDOH investigates all complaints received, performs site visit, and initiates enforcement action on sanitary nuisance violations.	OSTDS	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	N/A	\$750	FDOH
FDOH	N/A	FDOH-008, FDOH-014, FDOH-021, FDOH-029, FDOH-038, FDOH,051, FDOH-057, FDOH-066, FDOH-077, FDOH-078	Annual Operating Permit	Annual operating permits issued for performance-based treatment systems (PBTS), systems located in industrial manufacturing zones (IMZ), and commercial systems.	OSTDS	Completed	Prior to 2009	Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Terrapin Creek, Goodbys Creek, Open Creek, Newcastle Creek, Deer Creek	N/A	\$22,600	FDOH
FDOH	DEP	FDOH-027, FDOH-036, FDOH-044, FDOH-064, FDOH-071, FDOH-072, FDOH-073, FDOH-074, FDOH-075, FDOH-076	Intensive Inspection Program	Intensive geospecific inspections in selected WBIDs based on repair permit applications, water quality information, and site conditions; additional WBIDs may be identified in future based on assessment efforts.	OSTDS	Completed	Prior to 2009	Miller Creek, Miramar Creek, Big Fishweir Creek, Goodbys Creek, Newcastle Creek, Hogan Creek, Butcher Pen Creek, Deer Creek,	N/A	\$260,000	FDOH, DEP, EPA Section 319 Nonpoint Source Management Program Implementation Grant

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Terrapin Creek, Open Creek			
FDOH	N/A	FDOH-035	OSTDS on Brooker Rd.	Investigate home on Brooker Rd. with potential OSTDS issues.	OSTDS	Completed	Prior to 2009	Miramar Creek	Not provided	N/A	FDOH
FDOH	N/A	FDOH-063	Walk the WBID Efforts	Conduct Walk the WBID in central portion of watershed to identify sources	Source Identification Activities	Completed	Prior to 2009	Goodbys Creek	Not provided	N/A	FDOH
FDOH	N/A	FDOH-079	Participate in TAT Calls and Efforts	Continue participation in TAT coordination calls and other TAT efforts	Source Identification Activities	Completed	Prior to 2009	Countywide	N/A	Not provided	FDOH
FDOH	N/A	FDOH-080	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source	Source Identification Activities	Completed	Prior to 2009	Countywide	N/A	Not provided	FDOH
FDOH	N/A	FDOH-081	Walk the WBID Follow up	Address any mutually agreed-on action items identified as result of 2014 Walk the WBID.	Source Identification Activities	Completed	Prior to 2009	Countywide	Not provided	N/A	FDOH
FDOH	N/A	FDOH-082	DBPR reporting as appropriate	Develop inspection program for dumpster areas and behind restaurants, convenience stores, and grocery stores	Stormwater	Completed	Prior to 2009	Countywide	N/A	Not provided	FDOH
FDOH	N/A	FDOH-118	Walk the WBID Follow-Up	Address any action items identified as result of 2014 Walk the WBID	Source Identification Activities	Completed	Prior to 2009	Countywide	Not provided	N/A	FDOH
FDOH	N/A	FDOH-001, FDOH-008, FDOH-014, FDOH-021, FDOH-029, FDOH-035, FDOH-043, FDOH-050, FDOH-057, FDOH-063, FDOH-070, FDOH-076, FDOH083, FDOH-091, FDOH-098	OSTDS Program	Implementation of programs to address septic systems as potential sources	OSTDS	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	N/A	\$40,300	FDOH
FDOH	N/A	FDOH-002, FDOH-009, FDOH-015, FDOH-023, FDOH-036, FDOH-044, FDOH-051, FDOH-064, FDOH-071, FDOH-077, FDOH-084, FDOH-092, FDOH-099	Annual Operating Permit	Annual operating permits issued for performance-based treatment systems, systems located in industrial manufacturing zones, and commercial systems	OSTDS	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek,	N/A	\$38,550	FDOH

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Middle Trout River, Lower Trout River			
FDOH	N/A	FDOH-003, FDOH-016, FDOH-022, FDOH-030, FDOH-037, FDOH-058, FDOH-085, FDOH-100	SWIM Project	Implement broad-ranging septic tank ordinance.	OSTDS	Completed	Prior to 2010	Craig Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Cormorant Branch, Pottsburg Creek, Lower Trout River	N/A	Not provided	FDOH
FDOH	N/A	FDOH-004, FDOH-010, FDOH-017, FDOH-024, FDOH-031, FDOH-038, FDOH-045, FDOH-052, FDOH-059, FDOH-065, FDOH-072, FDOH-078, FDOH-086, FDOH-093, FDOH-101	FDOH-Sponsored Training Programs	Annual training programs held for septic tank contractors, certified plumbers, maintenance entities, and environmental health professionals.	OSTDS	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$2,500	N/A	FDOH
FDOH	N/A	FDOH-005, FDOH-011, FDOH-018, FDOH-025, FDOH-032, FDOH-039, FDOH-046, FDOH-053, FDOH-060, FDOH-066, FDOH-073, FDOH-079, FDOH-087, FDOH-094, FDOH-102	Application/Plan Review and Site Evaluations	FDOH performs plan review and site evaluation for each application received for OSTDS new construction, repair, or modification of existing system.	OSTDS	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	N/A	Not provided	FDOH
FDOH	N/A	FDOH-006, FDOH-012, FDOH-019, FDOH-026, FDOH-033, FDOH-040, FDOH-047, FDOH-054, FDOH-061, FDOH-067, FDOH-074, FDOH-080,	Septic Tank Failure Area Ranking	Score and prioritize septic tank failure areas annually.	OSTDS	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant	N/A	Not provided	FDOH

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
		FDOH-088, FDOH-095, FDOH-103						Branch, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River			
FDOH	N/A	FDOH-007, FDOH-013, FDOH-020, FDOH-027, FDOH-034, FDOH-041, FDOH-048, FDOH-055, FDOH-062, FDOH-068, FDOH-075, FDOH-081, FDOH-090, FDOH-097, FDOH-104	Complaint Investigations	FDOH investigates all complaints received, performs site visit, and initiates enforcement action on sanitary nuisance violations.	OSTDS	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$1,850	Not provided	FDOH
FDOH	DEP	FDOH-028, FDOH-042, FDOH-049, FDOH-056, FDOH-069, FDOH-082, FDOH-105, FDOH-106, FDOH-107, FDOH-108, FDOH-109, FDOH-110, FDOH-111, FDOH-112, FDOH-113	Intensive Inspection Program	Carry out intensive geospecific inspections in selected WBIDs based on repair permit applications, water quality information, and site conditions; additional WBIDs may be identified in future based on assessment efforts.	OSTDS	Completed	Prior to 2010	Fishing Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Wills Branch, Greenfield Creek, Lower Trout River, Williamson Creek, Craig Creek, McCoy Creek, Deep Bottom Creek, Cormorant Creek, Sherman Creek, Pottsburg Creek, Middle Trout Creek	\$570,935	N/A	FDOH/ DEP/ EPA Section 319 Nonpoint Source Management Program Implementation grant
FDOH	N/A	FDOH-089	Failure Area Evaluation	Work with COJ to evaluate why area south of Glynlea is not ranked as failure area.	OSTDS	Completed	Prior to 2010	Pottsburg Creek	Not provided	N/A	FDOH
FDOH	N/A	FDOH-096	Failure Area Evaluation	Work with COJ to evaluate if area south of Plummer Rd., north of Garden St. and Trout River Blvd., west to I-295, and east to Messer Rd. should be designated as failure area.	OSTDS	Completed	Prior to 2010	Middle Trout River	Not provided	N/A	General Revenue/ FDOH
FDOH	N/A	FDOH-116	Participate in TAT Calls and Efforts	Continue participation in TAT coordination calls and other TAT efforts.	Source Identification Activities	Completed	Prior to 2010	Countywide	Not provided	N/A	FDOH

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
FDOH	N/A	FDOH-117	Source Identification Follow-Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	Prior to 2010	Countywide	Not provided	N/A	FDOH
FDOH	N/A	FDOH-118	Walk the WBID Follow Up	Address any action items identified as result of 2014 Walk the WBID.	Source Identification Activities	Completed	Prior to 2010	Countywide	Not provided	N/A	FDOH
FDOH	N/A	FDOH-119	Dept. of Business and Professional Regulation (DBPR) reporting as appropriate	Develop inspection program for dumpster areas and behind restaurants, convenience stores, and grocery stores.	Stormwater	Completed	Prior to 2010	Countywide	Not provided	N/A	FDOH
FDOT	N/A	FDOT-001, FDOT-004, FDOT-013, FDOT-019, FDOT-027, FDOT-035, FDOT-042, FDOT-049, FDOT-054, FDOT-063	PIC Program	Identify and remove illicit connections if found to be truly illicit.	Stormwater	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	N/A	\$37,605	FDOT
FDOT	N/A	FDOT-002, FDOT-005, FDOT-014, FDOT-020, FDOT-028, FDOT-036, FDOT-043, FDOT-050, FDOT-055, FDOT-064	PIC Program	Search for illicit connections.	Stormwater	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	N/A	\$37,605	FDOT
FDOT	N/A	FDOT-003, FDOT-006, FDOT-015, FDOT-021, FDOT-029, FDOT-037, FDOT-044, FDOT-051, FDOT-056, FDOT-065	Routine Surface Water Sampling	Carry out NPDES permit-related quarterly water quality sampling.	Source Identification Activities	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	N/A	\$22,546	FDOT
FDOT	N/A	FDOT-007	SR 115/8th St. Project	Not provided.	Stormwater	Completed	Prior to 2009	Hogan Creek	\$2,941,944	Not provided	FDOT
FDOT	N/A	FDOT-008, FDOT-016, FDOT-022, FDOT-030, FDOT-038, FDOT-045, FDOT-052, FDOT-058, FDOT-067	DCP Program	Connecting entity must certify that all discharges to FDOT MS4 are treated prior to connection.	Stormwater	Completed	Prior to 2009	Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	N/A	\$27,151	FDOT

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
FDOT	N/A	FDOT-009, FDOT-023, FDOT-031, FDOT-059	Adopt-A-Highway Program	Allow individuals or groups (after receiving FDOT training) to adopt stretch of road and collect trash and debris.	Stormwater	Completed	Prior to 2009	Hogan Creek, Miller Creek, Miramar Creek, Goodbys Creek	N/A	Not provided	FDOT
FDOT	N/A	FDOT-010, FDOT-024, FDOT-032, FDOT-039, FDOT-046, FDOT-060, FDOT-068	Sediment Accumulation, Trash, and Debris Removal	Sediment accumulation, trash, and debris removed as needed.	Stormwater	Completed	Prior to 2009	Hogan Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Goodbys Creek, Open Creek	N/A	\$325,944	FDOT
FDOT	N/A	FDOT-011, FDOT-017, FDOT-025, FDOT-033, FDOT-040, FDOT-047, FDOT-061, FDOT-070	Street Sweeping Program	Street sweeping.	Stormwater	Completed	Prior to 2009	Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Goodbys Creek, Open Creek	N/A	\$37,984	FDOT
FDOT	N/A	FDOT-012, FDOT-018, FDOT-026, FDOT-034, FDOT-041, FDOT-048, FDOT-053, FDOT-062, FDOT-069	Maintain FDOT Stormwater Systems	Clean drainage structures, replace/repair storm/cross/side drains, clean/reshape roadside ditches, clear/repair outfall ditches, mow, remove roadside litter, respond to citizen complaints, and sweep roadways.	Stormwater	Completed	Prior to 2009	Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	N/A	\$2,750,735	FDOT
FDOT	N/A	FDOT-057	Baymeadows Project from East of US 1 to Baymeadows Rd	Not provided.	Stormwater	Completed	Prior to 2009	Goodbys Creek	\$1,496,472	Not provided	FDOT
FDOT	N/A	FDOT-066	Beach Blvd. Widening from Intracoastal Waterway to East of Penman	Not provided.	Stormwater	Completed	Prior to 2009	Open Creek	\$230,910	Not provided	FDOT
FDOT	N/A	FDOT-071	Maintain Wet Stormwater Management System – Drainage Area 22 acres	Not provided.	Stormwater	Completed	Prior to 2009	Open Creek	N/A	Not provided	FDOT
FDOT	COJ	FDOT-071, FDOT-073, FDOT-075, FDOT-077	BMAP Monitoring	BMAP monitoring of Hogan Creek, Miller Creek, Miramar Creek, and Deer Creek.	Source Identification Activities	Completed	Prior to 2009	Hogan Creek, Miller Creek, Miramar Creek, Deer Creek	N/A	Not provided	FDOT, COJ
FDOT	COJ	FDOT-072, FDOT-074, FDOT-076, FDOT-078	Source Identification Sampling	Conducted when high levels of coliform bacteria results are noted and source identification is necessary.	Source Identification Activities	Completed	2015	Hogan Creek, Miller Creek, Miramar Creek, Deer Creek	N/A	Not provided	FDOT, COJ
FDOT	N/A	FDOT-079	Participate in TAT Calls and Efforts	Continue participation in TAT coordination calls and other TAT efforts.	Source Identification Activities	Completed	Prior to 2009	Countywide	N/A	Not provided	FDOT

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
FDOT	N/A	FDOT-080	Source Identification Follow up	Assist DEP in following up on source identification results that indicate human source discharging into its MS4 or rights-of-way.	Source Identification Activities	Completed	Prior to 2009	Countywide	N/A	Not provided	FDOT
FDOT	N/A	FDOT-100	Proactive IDDE Program	Continue to implement mandatory IDDE training for staff and contractors working in FDOT rights-of-way.	Stormwater	Completed	2015	Countywide	N/A	Not provided	FDOT
FDOT	COJ	FDOT-001, FDOT-007, FDOT-016, FDOT-025, FDOT-034, FDOT-041, FDOT-050, FDOT-055, FDOT-062, FDOT-068, FDOT-074, FDOT-080, FDOT-086, FDOT-092, FDOT-098	PIC Program	Search for illicit connections.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	N/A	\$37,605	FDOT, COJ
FDOT	COJ	FDOT-002, FDOT-008, FDOT-026, FDOT-042, FDOT-056, FDOT-087, FDOT-121, FDOT-123, FDOT-124, FDOT-127, FDOT-129, FDOT-130, FDOT-131, FDOT-132	PIC Program	Identify and remove illicit connections if found to be truly illicit.	Stormwater	Completed	Prior to 2010	Creek Creek, McCoy Creek, Fishing Creek, Moncrief Creek, Hopkins Creek, Pottsburg Creek, Williamson Creek, Blockhouse Creek, Cormorant Creek, Sherman Creek, Middle Trout River, Lower Trout River, Greenfield Creek-Freshwater, Greenfield Creek-Marine	N/A	\$37,605	FDOT, COJ
FDOT	COJ	FDOT-003, FDOT-010, FDOT-018, FDOT-028, FDOT-035, FDOT-044, FDOT-052, FDOT-057, FDOT-063, FDOT-069, FDOT-075, FDOT-081, FDOT-088, FDOT-093, FDOT-099	Routine Surface Water Sampling	Carry out NPDES permit-related quarterly water quality sampling.	Source Identification Activities	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Sherman Creek, Greenfield	N/A	\$22,546	FDOT, COJ

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Creek, Pottsburg Creek, Middle Trout River, Lower Trout River			
FDOT	COJ	FDOT-004, FDOT-011, FDOT-019, FDOT-045	TAT Sampling	Conducted by COJ EQD to assess bacteria levels in stream and to help identify potential fecal bacteria sources.	Source Identification Activities	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Moncrief Creek	N/A	\$22,546	FDOT, COJ
FDOT	N/A	FDOT-005, FDOT-013, FDOT-017, FDOT-031, FDOT-038, FDOT-047, FDOT-051, FDOT-059, FDOT-065, FDOT-070, FDOT-078, FDOT-083, FDOT-089, FDOT-095, FDOT-100	DCP Program	Connecting entity must certify that all discharges to FDOT MS4 are treated prior to connection.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	N/A	\$27,151	FDOT
FDOT	N/A	FDOT-006, FDOT-015, FDOT-023, FDOT-024, FDOT-033, FDOT-040, FDOT-049, FDOT-054, FDOT-061, FDOT-067, FDOT-073, FDOT-079, FDOT-085, FDOT-091, FDOT-097, FDOT-104	Maintain FDOT Stormwater Systems	Clean drainage structures, replace/repair storm/cross/side drains, clean/reshape roadside ditches, clear/repair outfall ditches, mow, remove roadside litter, respond to citizen complaints, and sweep roadways.	Stormwater	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Sherman Creek, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	N/A	\$2,750,735	FDOT
FDOT	COJ	FDOT-009, FDOT-027, FDOT-043	Follow Up on Outstanding PICs	Follow up on outstanding PICs.	Stormwater	Completed	2011	McCoy Creek, Fishing Creek, Moncrief Creek	N/A	\$37,605	FDOT, COJ
FDOT	COJ	FDOT-012, FDOT-029, FDOT-036, FDOT-046, FDOT-076, FDOT-082, FDOT-094, FDOT-105, FDOT-106, FDOT-111, FDOT-113, FDOT-114, FDOT-115, FDOT-	Source Identification Sampling	Conduct source identification sampling when high levels of fecal coliform bacteria are noted.	Source Identification Activities	Completed	Prior to 2010	McCoy Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Sherman Creek, Greenfield Creek, Middle Trout River, Craig Creek, Williamson	N/A	\$22,546	FDOT, COJ

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
		119, FDOT-120, FDOT-136, FDOT-137						Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Pottsburg Creek, Lower Trout River, Pottsburg Creek-Fresh, Pottsburg Creek-Marine			
FDOT	N/A	FDOT-014	Stormwater Management Systems	Construct wet detention pond at intersection of I-10 and I-95.	Stormwater	Completed	2012	McCoy Creek	N/A	Not provided	FDOT
FDOT	N/A	FDOT-020, FDOT-032, FDOT-039, FDOT-048, FDOT-053, FDOT-060, FDOT-066, FDOT-071, FDOT-096, FDOT-101	Adopt-A-Highway Program	Allow individuals or groups (after receiving FDOT training) to adopt stretch of road and collect trash and debris.	Stormwater	Completed	Prior to 2010	Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Hopkins Creek, Cormorant Branch, Wills Branch, Middle Trout River, Lower Trout River	N/A	Not provided	FDOT
FDOT	N/A	FDOT-021	Stormwater Management Systems	Lane Ave.	Stormwater	Completed	Prior to 2010	Williamson Creek	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-022	Stormwater Management Systems	Wilson Ave.	Stormwater	Completed	Prior to 2010	Williamson Creek	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-030	Stormwater Management Systems	Construct I-295 retention/detention systems.	Stormwater	Completed	Prior to 2010	Fishing Creek	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-037	Stormwater Management Systems	Implement stormwater improvements as part of San Jose Blvd. widening.	Stormwater	Completed	Prior to 2010	Deep Bottom Creek	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-058	Stormwater Management Systems	Construct Mayport flyover.	Stormwater	Completed	Prior to 2010	Hopkins Creek	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-064	Stormwater Management Systems	Construct pond as part of SR 13 widening.	Stormwater	Completed	Prior to 2010	Cormorant Branch	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-072	Stormwater Management Systems	Construct wet ponds at intersection of I-295 and Normandy.	Stormwater	Completed	Prior to 2010	Wills Branch	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-077	Stormwater Management Systems	Wonderwood Connector project – construct wet pond.	Stormwater	Completed	Prior to 2010	Sherman Creek	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-084	Stormwater Management Systems	Atlantic Blvd. Widening stormwater project – construct wet ponds.	Stormwater	Completed	Prior to 2010	Greenfield Creek	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-090	Stormwater Management Systems	Construct stormwater ponds at Southside Blvd. and Beach Blvd. Interchange.	Stormwater	Completed	Prior to 2010	Pottsburg Creek	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-102	I-295 from West of Duval to Biscayne Blvd.	Construct stormwater pond to capture and treat runoff.	Stormwater	Completed	Prior to 2010	Lower Trout River	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-103	I-95 Improvement from South of Clark Rd. to I-295	Construct stormwater pond to capture and treat runoff.	Stormwater	Completed	Prior to 2010	Lower Trout River	Not provided	Not provided	FDOT

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
FDOT	N/A	FDOT-107	Stormwater Management Systems	Construct wet detention pond at Lane Ave. and at Wilson Ave.	Stormwater	Completed	Prior to 2010	Williamson Creek	Not provided	Not provided	FDOT
FDOT	COJ	FDOT-108, FDOT-109, FDOT-112, FDOT-117, FDOT-125	BMAP Sampling	COJ EQD is responsible for 15 sites (9 sampled monthly and 6 sampled quarterly) BMAP II monitoring began December 2010.	Source Identification Activities	Completed	Prior to 2010	Fishing Creek, Deep Bottom Creek, Hopkins Creek, Sherman Creek, Cormorant Creek	Not provided	\$22,546	FDOT, COJ
FDOT	N/A	FDOT-110	Stormwater Management Systems	Construct wet detention pond at San Jose Blvd.	Stormwater	Completed	Prior to 2010	Deep Bottom Creek	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-116	Stormwater Management Systems	Construct wet detention pond at intersection of Normandy Blvd. and I-295.	Stormwater	Completed	Prior to 2010	Wills Branch	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-118	Stormwater Management Systems	Construct wet detention pond at Wonderwood Dr.	Stormwater	Completed	Prior to 2010	Sherman Creek	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-133	I-10 Marietta Interchange Improvement	Construct 3 wet detention ponds to treat area of improvement.	Stormwater	Underway	TBD	Wills Branch	\$26,880,000	Not provided	FDOT
FDOT	N/A	FDOT-134	SR 208 (Wilson Blvd) Interchange Improvement	Construct stormwater management systems to treat areas of improvement.	Stormwater	Underway	TBD	Williamson Creek	\$3,340,000	Not provided	FDOT
FDOT	N/A	FDOT-135	I-295 Managed Lanes	Construct stormwater management systems to treat areas of improvement.	Stormwater	Underway	TBD	Deep Bottom Creek	\$88,950,000	Not provided	FDOT
FDOT	N/A	FDOT-138	I-95 Interchange Operational Improvements at SR 201 (JTB)	Construct stormwater management systems to treat areas of improvement.	Stormwater	Underway	TBD	Pottsburg Creek-Fresh	\$66,720,000	Not provided	FDOT
FDOT	N/A	FDOT-139	Participate in TAT Calls and Efforts	Continue participation in TAT coordination calls and other TAT efforts.	Source Identification Activities	Completed	Prior to 2010	Countywide	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-140	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source discharging into its MS4 or rights-of-way.	Source Identification Activities	Completed	Prior to 2010	Countywide	Not provided	Not provided	FDOT
FDOT	N/A	FDOT-141	Walk the WBID Follow Up	Address any mutually agreed onaction items identified as result of Phase 2 Walk the WBID.	Source Identification Activities	Completed	Prior to 2010	Countywide	Not provided	Not provided	FDOT
Jacksonville Beach	N/A	JB-001	Septic Tank Phase Out	Phase out Section "A" - 16th St. North to 20th St. North to 8th Ave. North to 12th Ave. North.	OSTDS	Completed	Prior to 2010	Hopkins Creek	\$337,730	N/A	City
Jacksonville Beach	N/A	JB-002	Sewer System Inspection	Clean existing sanitary sewer system.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$26,000	N/A	City
Jacksonville Beach	N/A	JB-003	Sewer Manhole Inspection and Rehabilitation	Rehabilitate existing sewer manholes.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$55,757	N/A	City
Jacksonville Beach	N/A	JB-004	Sewer Pump Station Wetwells Inspections and Rehabilitation	Rehabilitate interior surface of existing sewer lift station wetwells with coating system.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$34,707	N/A	City
Jacksonville Beach	N/A	JB-005	Sewer Pump Station Inspection and Maintenance	Improve sewer lift station No. 10.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$736,481	N/A	City
Jacksonville Beach	N/A	JB-006	SSO Investigations	Improve Arden Way sewer system.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$342,000	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Jacksonville Beach	N/A	JB-007	SSO Investigations	Investigate 1 occurrence at 2000 3rd St. North.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$1,000	N/A	City
Jacksonville Beach	N/A	JB-008	SSO Investigations	Investigate 2 occurrences at 300 Palm Tree Rd.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$5,000	N/A	City
Jacksonville Beach	N/A	JB-009	Sewer Pump Station Inspection and Maintenance	Inspect lift stations Nos. 2, 7, 8, 9, 18, 19, and 23.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$47,230	N/A	City
Jacksonville Beach	N/A	JB-010	Sewer Pump Station Inspection and Maintenance	Inspect lift station No. 37 (Jarrett Point Unit II).	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$183,541	N/A	City
Jacksonville Beach	N/A	JB-011	Sewer System Replacement	Improve sewer system from Barbara Lane to 14th Ave. North and 8th St. to 13th St. North.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$1,065,000	N/A	City
Jacksonville Beach	N/A	JB-012	Sewer System Replacement	Improve sewer system from Patricia Lane to 18th Ave. North and 4th St. to 7th St. North.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$1,310,000	N/A	City
Jacksonville Beach	N/A	JB-013	Sewer System Replacement	Improve sewer system from Barbara Lane to 12th Ave. North and Patricia Lane to 7th St. North.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$386,000	N/A	City
Jacksonville Beach	N/A	JB-014	Sewer System Replacement	Improve sewer system from 2nd St. North to 3rd St. North and from easement to 6th Ave. North; 3rd St. North from easement to 7th Ave. North.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$88,000	N/A	City
Jacksonville Beach	N/A	JB-015	Flood-Control Capital Project	Improve stormwater system at 18th St. North, Tall Pine Park, perforated stormwater pipe.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$667,472	N/A	City
Jacksonville Beach	N/A	JB-016	Flood-Control Capital Project	Improve stormwater system at 1st St. North and 18th Ave. North; stormwater piping.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$128,817	N/A	City
Jacksonville Beach	DEP	JB-017	Flood-Control Capital Project	Improve stormwater system at North 2nd St. between 6th Ave. North to 13th Ave. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$3,500,00	N/A	City, EPA Grant
Jacksonville Beach	N/A	JB-018	Flood-Control Capital Project	Improve stormwater system at 11th Ave. North; new stormwater pump station, new drainage system piping, new drainage structures.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$450,000	N/A	City
Jacksonville Beach	N/A	JB-019	Flood-Control Capital Project	Improve stormwater system at 11th St. North; swale grading, impervious parking.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$670,000	N/A	City
Jacksonville Beach	SJRWMD	JB-020	Flood-Control Capital Project	Improve retention pond and infrastructure at Jacksonville Beach Golf Course; pond construction associated with construction of 2nd St. North stormwater improvement project.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$645,754	N/A	City/ SJRWMD Grant
Jacksonville Beach	N/A	JB-021	Flood-Control Capital Project	Improve paving, drainage, water and sewer in downtown development area.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$6,831,192	N/A	City
Jacksonville Beach	N/A	JB-022	Flood-Control Capital Project	Implement project at 19th St. North at 2nd Ave. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$25,000	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Jacksonville Beach	N/A	JB-023	Flood-Control Capital Project	Implement project at 19th St. North between 2nd Ave. North and 5th Ave. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$7,000	N/A	City
Jacksonville Beach	N/A	JB-024	Flood-Control Capital Project	Implement project at easement west of Penman Rd. from 6th Ave. North to 16th St. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$45,000	N/A	City
Jacksonville Beach	N/A	JB-025	Flood-Control Capital Project	Implement project at 17th St. North from 9th Ave. North to existing ditch.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$10,000	N/A	City
Jacksonville Beach	N/A	JB-026	Flood-Control Capital Project	Implement project at 11th Ave. North from 16th St. North to Penman Rd.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$14,000	N/A	City
Jacksonville Beach	N/A	JB-027	Flood-Control Capital Project	Implement project at 16th St. North from 11th to 12th Ave. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$10,000	N/A	City
Jacksonville Beach	N/A	JB-028	Flood-Control Capital Project	Implement project at 11th Ave. North from 17th to 18th St. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$15,000	N/A	City
Jacksonville Beach	N/A	JB-029	Flood-Control Capital Project	Implement project at 21st St. from 9th Ave. to 12th Ave. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$35,000	N/A	City
Jacksonville Beach	N/A	JB-030	Flood-Control Capital Project	Implement project at 12th Ave. North at 20th St. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$10,000	N/A	City
Jacksonville Beach	N/A	JB-031	Flood-Control Capital Project	Implement project at Tanglewood Rd. from Pinewood Lane to Sable Palm Lane.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$18,000	N/A	City
Jacksonville Beach	N/A	JB-032	Flood-Control Capital Project	Implement project at Tanglewood Rd. at Sable Palm Lane.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$10,000	N/A	City
Jacksonville Beach	N/A	JB-033	Flood-Control Capital Project	Implement project at Birchwood Rd. at Coral Way.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$14,000	N/A	City
Jacksonville Beach	N/A	JB-034	Flood-Control Capital Project	Implement project at Coral Way between Sunset Dr. and Birchwood Rd.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$10,000	N/A	City
Jacksonville Beach	N/A	JB-035	Flood-Control Capital Project	Implement project at Pinewood Rd. between Arden Way and Oakwood Rd.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$10,000	N/A	City
Jacksonville Beach	N/A	JB-036	Flood-Control Capital Project	Implement project at 1st Ave. North from 3rd to 4th St. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$10,000	N/A	City
Jacksonville Beach	N/A	JB-037	Flood-Control Capital Project	Implement project at 3rd Ave. North from 4th to 5th St. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$10,000	N/A	City
Jacksonville Beach	N/A	JB-038	Flood-Control Capital Project	Implement project at 3rd Ave. North from 5th to 6th St. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$15,000	N/A	City
Jacksonville Beach	N/A	JB-039	Flood-Control Capital Project	Implement project at 3rd Ave. North at 6th St. North.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$4,000	N/A	City
Jacksonville Beach	N/A	JB-040	Flood-Control Capital Project	Implement project at Cilewood Ct. at Tallwood Rd.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$4,000	N/A	City
Jacksonville Beach	Private Developer	JB-041	Flood-Control Capital Project	Implement project at Lois Lane and Seagate Ave.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$14,000	N/A	Private Developer
Jacksonville Beach	Private Developer	JB-042	Flood-Control Capital Project	Implement project at King Oaks Subdivision-Kings Rd. and Seagate Ave.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$12,000	N/A	Private Developer
Jacksonville Beach	N/A	JB-043	Ditch and Canal Maintenance	Install erosion control along ditches and ponds.	Stormwater	Completed	Prior to 2010	Hopkins Creek	Not provided	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Jacksonville Beach	N/A	JB-044	IDDE	Identify and remove illicit connections.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-045	Stormwater Education and Outreach Efforts	Carry out WAV public education, inlet marking, public notices, and stormwater flyer for residential and commercial permits.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-046	Pet Waste Management	Provide dog bags at Gonzales Park, Tallwood Pines Park and Dog Park.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-047	Pet Waste Ordinance	Pass Ordinance No. 7468-32-91, Section 32-106.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-048	Pet Waste Ordinance	Pass Ordinance No. 2005-7903, 24-18-05, Section 5-34.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-049	Noncontributing Basins	Areas in WBID that do not flow to Hopkins Creek: (1) Bentin Dr. North south to Beach Blvd., east to 11th St. and west to WBID boundary; (2) Rosewood Dr., Oakwood Rd., Pinewood Rd. to west WBID boundary; and (3) 3rd St. east to 1st St. and 13th Ave. North south to Beach Blvd.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	N/A	City
Jacksonville Beach	N/A	JB-050	Sewer System Inspection	Maintain existing sewer system.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$62,000	N/A	City
Jacksonville Beach	N/A	JB-051	Sewer Manhole Inspection and Rehabilitation	Maintain existing sewer manholes.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$185,000	N/A	City
Jacksonville Beach	N/A	JB-052	Sewer Pump Station Inspection and Maintenance	Routinely inspect existing pump stations.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-053	Restaurant Grease Trap Inspections	Routinely inspect restaurant grease traps.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-054	Stormwater System Ditch and Canal Maintenance	Routinely inspect drainage ditch at 12th Ave. North and 22nd St. North, Pinewood ditch, and spray for aquatic weeds.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-055	Stormwater System Pond Maintenance	Routinely inspect ponds after significant rainfall event and annually.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-056	Stormwater System Pond Maintenance	Inspect annually as required by MS4 NPDES permit.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-057	Stormwater Pump Stations	Inspect stormwater pumps after significant rainfall event.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-058	Street sweeping	Routinely sweep curbed and guttered streets citywide. (Mon. 17 mi; Fri. – Sun. and holidays 7 mi).	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	N/A	JB-059	IDDE	Field observations to identify and coordinate removal of illicit connections.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Jacksonville Beach	DEP	JB-060	2nd St. North Sewer Main and Related Imps.	2nd St. North. from 14th Ave. North. to 20th Ave. North. and from 1st St. to 3rd St. North.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$1,843,083	N/A	City/ EPA Grant

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Jacksonville Beach	N/A	JB-061	Ocean Forest Drainage Imps	Ocean Forest area	Stormwater	Completed	2016	Hopkins Creek	\$1,276,202	Not provided	City
Jacksonville Beach	N/A	JB-062	Sewer Manhole Rehabilitation	Hopkins Creek Watershed.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$40,000	N/A	City
Jacksonville Beach	N/A	JB-063	4th St. N. Sewer Imps.	4th St. North from 13th to 18th Ave. North.	Sanitary Sewer	Underway	TBD	Hopkins Creek	\$566,000	N/A	City
Jacksonville Beach	N/A	JB-064	Effluent Outfall Modifications	Repairs to effluent outfall at St. Johns River.	Stormwater	Underway	TBD	Hopkins Creek	\$220,031	N/A	City
Jacksonville Beach	N/A	JB-065	Lift Station No. 7 Improvements	3rd St. and 18th Ave. North.	Sanitary Sewer	Underway	TBD	Hopkins Creek	\$945,000	N/A	City
Jacksonville Beach	N/A	JB-066	Lift Station No. 20 Abandonment	4th St. and 15th Ave. North.	Sanitary Sewer	Underway	TBD	Hopkins Creek	\$500,000	N/A	City
Jacksonville Beach	N/A	JB-067	Lift Station No.8 Abandonment	8th St. and 18th Ave. North.	Sanitary Sewer	Underway	TBD	Hopkins Creek	\$550,000	N/A	City
JEA	N/A	JEA-001, JEA-017, JEA-032, JEA-050, JEA-064, JEA-079, JEA-097, JEA-123, JEA-138	Pipe Bursting – Increase Carrying Capacity	Replace failing/leaking infrastructure.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Goodbys Creek, Open Creek	\$36,036,717	N/A	JEA
JEA	N/A	JEA-002, JEA-018, JEA-033, JEA-051, JEA-080, JEA-098	CIPP – Install New Inner Lining	Rehabilitate failing/leaking infrastructure.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Big Fishweir Creek, Deer Creek	\$2,772,383	N/A	JEA
JEA	N/A	JEA-003, JEA-020, JEA-035, JEA-052, JEA-065, JEA-082, JEA-100, JEA-112, JEA-125, JEA-140	Manhole Linings Rehabilitated	Repair deteriorating manhole linings.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$330,469	N/A	JEA
JEA	N/A	JEA-004, JEA-037, JEA-053, JEA-066, JEA-083, JEA-084, JEA-113, JEA-114, JEA-126, JEA-141, JEA-156	Air Release Valve (ARV) Inspection and Rehabilitation	ARV inspection and rehabilitation.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek, Hogan Creek	\$483,973	N/A	JEA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
JEA	N/A	JEA-005, JEA-021, JEA-038, JEA-054, JEA-067, JEA-085, JEA-101, JEA-115, JEA-127, JEA-142	Pump Station SCADA Upgrades	Retrofitting completed in 2004; all stations constructed since have SCADA installed.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$22,000,000	N/A	JEA
JEA	N/A	JEA-006, JEA-022, JEA-039, JEA-055, JEA-068, JEA-086, JEA-102, JEA-116, JEA-128, JEA-143	Force Main Discharge Manholes Inspection and Repair	Program was implemented at manholes into which force mains discharge. Structure of manholes is subjected to increased deterioration because of higher concentration of corrosive sewer gases associated with pressurized discharges of sewage. Structures are inspected and repaired and rehabilitated as necessary.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$466,576	N/A	JEA
JEA	N/A	JEA-007, JEA-023, JEA-040, JEA-069, JEA-129, JEA-154, JEA-155	Pump Station Class I/II Rebuilding	Repair or replace components of existing pump stations.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miramar Creek, Goodbys Creek, Big Fishweir Creek, Open Creek	\$763,765	N/A	JEA
JEA	N/A	JEA-008, JEA-024, JEA-042, JEA-056, JEA-072, JEA-089, JEA-104, JEA-117, JEA-130, JEA-146	FOG Reduction Program	FOG Reduction Program.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	N/A	Not provided	JEA
JEA	N/A	JEA-009, JEA-025, JEA-043, JEA-057, JEA-090, JEA-105, JEA-131, JEA-147, JEA-157	Pipe TV Inspection	Inspect existing infrastructure through use of CCTV.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Big Fishweir Creek, Deer Creek, Goodbys Creek, Open Creek, Miramar Creek	\$163,099	N/A	JEA
JEA	N/A	JEA-010, JEA-026, JEA-044, JEA-058, JEA-073, JEA-091, JEA-106, JEA-132, JEA-148	Pipe Cleaning	Clean existing pipes to avoid blockages.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek,	\$743,054	N/A	JEA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Deer Creek, Goodbys Creek, Open Creek			
JEA	N/A	JEA-011, JEA-027, JEA-045, JEA-059, JEA-074, JEA-092, JEA-107, JEA-118, JEA-133, JEA-149	CMOM Program	Program aimed at reducing SSOs and preserving wastewater infrastructure.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$163,269	N/A	JEA
JEA	N/A	JEA-012, JEA-028, JEA-046, JEA-060, JEA-075, JEA-093, JEA-180, JEA-119, JEA-134, JEA-150	Manhole Monitoring	Manhole monitoring.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$137,526	N/A	JEA
JEA	N/A	JEA-013, JEA-029, JEA-047, JEA-061, JEA-076, JEA-094, JEA-109, JEA-120, JEA-135, JEA-151	SSO Root Cause Program	SSO Root Cause Program	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	N/A	Not provided	JEA
JEA	N/A	JEA-014, JEA-030, JEA-048, JEA-062, JEA-077, JEA-095, JEA-110, JEA-121, JEA-136, JEA-152	Pop-Top Program	Pop-Top Program.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$64,324	N/A	JEA
JEA	N/A	JEA-015, JEA-031, JEA-049, JEA-063, JEA-078, JEA-096, JEA-111, JEA-122, JEA-137, JEA-153	Non-Destructive Testing Program/Pipe Integrity Testing	Non-Destructive Testing Program/Pipe Integrity Testing.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek, Hogan Creek, Butcher Pen Creek, Miller Creek, Miramar Creek, Big Fishweir Creek, Deer Creek, Terrapin Creek,	\$74,284	N/A	JEA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Goodbys Creek, Open Creek			
JEA	N/A	JEA-016	Sewer Infrastructure Improvements	Lift Station @ 3254 Townsend Blvd. Upgrade station to address multiple SSOs related to electrical problems.	Sanitary Sewer	Completed	Prior to 2009	Newcastle Creek	\$70,000	N/A	JEA
JEA	N/A	JEA-019, JEA-034, JEA-081, JEA-099, JEA-124, JEA-139	Open Cut – Removal and Replacement	Replace failing/leaking infrastructure.	Sanitary Sewer	Completed	Prior to 2009	Hogan Creek, Butcher Pen Creek, Big Fishweir Creek, Deer Creek, Goodbys Creek, Open Creek	\$2,144,465	N/A	JEA
JEA	N/A	JEA-036	Sewer Infrastructure Improvements	Line inspection of manhole at 4557 Arthur Dr.	Sanitary Sewer	Completed	Prior to 2009	Butcher Pen Creek	Not provided	N/A	JEA
JEA	N/A	JEA-041	Sewer Infrastructure Improvements	Pump station repair at 4807 Ducheneau Dr.	Sanitary Sewer	Completed	Prior to 2009	Butcher Pen Creek	\$115,107	N/A	JEA
JEA	N/A	JEA-070, JEA-144	Confirm Locations of Lift Stations on Boundary	Confirm locations of lift stations on boundary for first annual progress report.	Sanitary Sewer	Completed	Prior to 2009	Miramar Creek, Open Creek	Not provided	N/A	JEA
JEA	N/A	JEA-071	Walk the WBID Follow Up	Follow up on seep under sewer line on northern branch as part of Walk the WBID.	Source Identification Activities	Completed	Prior to 2009	Miramar Creek	Not provided	N/A	JEA
JEA	N/A	JEA-087, JEA-103, JEA-145	Lift Station Inspection	Inspect lift stations near surface waters.	Sanitary Sewer	Completed	Prior to 2009	Big Fishweir Creek, Deer Creek, Open Creek	Not provided	N/A	JEA
JEA	N/A	JEA-088	Walk the WBID Follow Up	Repaired lift station at Merimac Ave. as part of Walk the WBID follow up.	Source Identification Activities	Completed	Prior to 2009	Big Fishweir Creek	Not provided	N/A	JEA
JEA	COJ	JEA-116, JEA, 150, JEA-167, JEA-184	Verify Location of Lift Stations in WBID Boundary	Verify stations on boundary.	Sanitary Sewer	Completed	2010	Big Fishweir Creek, Terrapin Creek, Goodbys Creek, Open Creek	\$2,332	N/A	COJ
JEA	N/A	JEA-158	Sewer Infrastructure Improvements	State St. and Union St. Sewer Improvements. JEA existing sewer infrastructure in core city downtown area has reached its useful life expectancy; project will replace deteriorated sewer mains within project boundaries.	Sanitary Sewer	Completed	2015	Hogan Creek	\$2,276,000	N/A	JEA
JEA	N/A	JEA-159	Sewer Infrastructure Improvements	111th and 12th St. Connector: Installation of new sewer infrastructure to accommodate stormwater improvements.	Sanitary Sewer	Completed	2015	Hogan Creek	\$29,000	N/A	JEA
JEA	N/A	JEA-160	Sewer Infrastructure Improvements	Lakeshore Force Main Replacement. Install 7,500 LF of 16-in PVC force main to replace deteriorating 16-in ductile iron force main.	Sanitary Sewer	Completed	2015	Big Fishweir Creek	\$1,292,301	N/A	JEA
JEA	N/A	JEA-160	Sewer Infrastructure Improvements	Lakeshore Force Main Replacement. Install 7,500 LF of 16-in PVC force	Sanitary Sewer	Completed	2015	Deer Creek	Not provided	N/A	JEA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				main to replace deteriorating 16-in ductile iron force main.							
JEA	N/A	JEA-161	Sewer Infrastructure Improvements	Lower East Side Drainage Improvements. Installation of new sewer infrastructure to accommodate stormwater improvements.	Sanitary Sewer	Completed	2015	Deer Creek	\$429,000	N/A	JEA
JEA	N/A	JEA-162	TAT Calls and Efforts	Continue participation in TAT coordination calls and other TAT efforts.	Source Identification Activities	Completed	2015	BMAP I Tributaries	N/A	Not provided	JEA
JEA	N/A	JEA-163	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	BMAP I Tributaries	N/A	Not provided	JEA
JEA	N/A	JEA-164	Prioritize Infrastructure Improvements	Give priority to improving/repairing infrastructure close to surface waterbodies and stormwater conveyances.	Sanitary Sewer	Completed	2015	BMAP I Tributaries	N/A	Not provided	JEA
JEA	N/A	JEA-165	Walk the WBID Follow Up	Address any action items identified as result of 2014 Walk the WBID.	Source Identification Activities	Completed	2015	BMAP I Tributaries	N/A	Not provided	JEA
JEA	N/A	JEA-166	Dumpster Inspection Program	Develop inspection program for dumpster areas and behind restaurants, convenience stores, and grocery stores.	Sanitary Sewer	Completed	2015	BMAP I Tributaries	N/A	Not provided	JEA
JEA	N/A	JEA-167	Sample Analysis	Continue to run analysis on up to 32 samples for DEP's Northeast District Office, and add <i>E. coli</i> and Enterococci sampling, as appropriate.	Source Identification Activities	Completed	2015	BMAP I Tributaries	N/A	Not provided	JEA
JEA	N/A	JEA-001, JEA-018, JEA-037, JEA-055, JEA-073, JEA-084, JEA-101, JEA-114, JEA-127, JEA-142, JEA-157, JEA-220	Pipe Bursting – Increase Carrying Capacity	Replace failing/leaking infrastructure.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Lower Trout River	\$53,790,903	N/A	JEA
JEA	N/A	JEA-002, JEA-019, JEA-038, JEA-056, JEA-085, JEA-210, JEA-217, JEA-219, JEA-227, JEA-228, JEA-230, JEA-233	CIPP – Install New Inner Lining	Rehabilitate failing/leaking infrastructure.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Moncrief Creek, Greenfield Creek, Wills Branch, Greensfield Creek-Freshwater, Greenfield Creek-Marine, Pottsburg	\$626,970	N/A	JEA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Creek- Freshwater, Pottsburg Creek-Marine			
JEA	N/A	JEA-003, JEA-021, JEA-039, JEA-058, JEA-074, JEA-086, JEA-102, JEA-115, JEA-128, JEA-143, JEA-158, JEA-171, JEA-187	Manhole Linings Rehabilitated	Repair deteriorating manhole linings.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$150,000	N/A	JEA
JEA	N/A	JEA-004, JEA-023, JEA-041, JEA-060, JEA-077, JEA-090, JEA-105, JEA-118, JEA-132, JEA-147, JEA-162, JEA-173, JEA-188	Pump Station SCADA Upgrades	Retrofit completed in 2004; all stations constructed since have SCADA installed.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$22,000,000	N/A	JEA
JEA	N/A	JEA-005, JEA-024, JEA-042, JEA-061, JEA-078, JEA-091, JEA-106, JEA-119, JEA-133, JEA-148, JEA-163, JEA-174, JEA-189	Force Main Discharge Manholes Inspection and Repair	Program was implemented at manholes into which force mains discharge. Structure of these manholes is subjected to increased deterioration because of higher concentration of corrosive sewer gases associated with pressurized discharges of sewage. Structures are inspected and repaired and rehabilitated as necessary.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$466,576	N/A	JEA
JEA	N/A	JEA-006, JEA-025, JEA-062, JEA-149, JEA-175, JEA-190, JEA-200, JEA-205, JEA-112, JEA-113, JEA-222, JEA-224,	Pump Station Class I/II Rebuilding	Repair or replace components of existing pump stations.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Fishing Creek, Greenfield Creek, Middle Trout River, Lower Trout River, Deep Bottom	\$306,914	N/A	JEA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
		JEA-226, JEA-231, JEA-234						Creek, Wills Branch, Moncrief Creek, Pottsburg Creek, Cormorant Branch, Moncrief Creek-Freshwater, Moncrief Creek-Marine, Pottsburg Creek-Freshwater, Pottsburg Creek-Marine			
JEA	N/A	JEA-007, JEA-063, JEA-088, JEA-116, JEA-130, JEA-145, JEA-160, JEA-176, JEA-191	Confirm Locations of Lift Stations on Boundary	Confirm locations of lift stations on boundary for first annual progress report.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, Fishing Creek, Moncrief Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	Not provided	N/A	JEA
JEA	N/A	JEA-008, JEA-028, JEA-044, JEA-066, JEA-094, JEA-108, JEA-121, JEA-135, JEA-151, JEA-165, JEA-179, JEA-202, JEA-208	Pipe TV Inspection	Inspect existing infrastructure using CCTV.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Deep Bottom Creek, Lower Trout River	N/A	Not provided	JEA
JEA	N/A	JEA-009, JEA-030, JEA-046, JEA-067, JEA-095, JEA-109, JEA-122, JEA-136, JEA-152, JEA-166, JEA-180, JEA-182, JEA-201, JEA-207	Pipe Cleaning	Clean existing pipes to avoid blockages.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Deep Bottom Creek, Lower Trout River	N/A	Not provided	JEA
JEA	N/A	JEA-010, JEA-027, JEA-043, JEA-065, JEA-079, JEA-092, JEA-107, JEA-120,	FOG Reduction Program	FOG Reduction Program.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek,	N/A	Not provided	JEA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
		JEA-134, JEA-150, JEA-164, JEA-178, JEA-193						Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River			
JEA	N/A	JEA-011, JEA-031, JEA-047, JEA-068, JEA-080, JEA-096, JEA-110, JEA-123, JEA-137, JEA-153, JEA-167, JEA-183, JEA-194	CMOM Program	Program aimed at reducing SSOs and preserving wastewater infrastructure.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$163,269	N/A	JEA
JEA	N/A	JEA-012, JEA-032, JEA-049, JEA-070, JEA-081, JEA-098, JEA-111, JEA-124, JEA-139, JEA-154, JEA-168, JEA-184, JEA-195	SSO Root Cause Program	SSO Root Cause Program.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	Not provided	Not provided	JEA
JEA	N/A	JEA-013, JEA-033, JEA-050, JEA-071, JEA-082, JEA-099, JEA-112, JEA-125, JEA-140, JEA-155, JEA-169, JEA-185, JEA-196	Pop-Top Program	Pop-Top Program.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$64,324	N/A	JEA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
JEA	N/A	JEA-014, JEA-034, JEA-051, JEA-072, JEA-083, JEA-100, JEA-113, JEA-126, JEA-141, JEA-156, JEA-170, JEA-186, JEA-197	Nondestructive Testing Program/Pipe Integrity Testing	Nondestructive Testing Program/Pipe Integrity Testing.	Sanitary Sewer	Completed	Prior to 2010	Craig Creek, McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$100,000	N/A	JEA
JEA	N/A	JEA-015	Walk the WBID Follow Up	Chronic Exceedances and Human Markers near CC2, TCC2, and TCC2A. Dye testing found no leaks, and additional inspections found no sewer problems.	Source Identification Activities	Completed	Prior to 2010	Craig Creek	Not provided	N/A	JEA
JEA	N/A	JEA-016	Walk the WBID Follow Up	Elevated Levels at TCC1. Investigated and found no sanitary sewer in area.	Source Identification Activities	Completed	Prior to 2010	Craig Creek	Not provided	N/A	JEA
JEA	N/A	JEA-017	Walk the WBID Follow Up	SSO at 2750 Hendricks Ave. manhole. No problems during inspection but will regularly check manhole to determine cause of SSOs.	Source Identification Activities	Completed	Prior to 2010	Craig Creek	Not provided	N/A	JEA
JEA	N/A	JEA-020, JEA-057, JEA-198, JEA-199, JEA-203, JEA-204, JEA-206, JEA-215, JEA-219, JEA-223, JEA-225, JEA-229, JEA-232	Open Cut – Removal and Replacement	Replace failing/leaking infrastructure.	Sanitary Sewer	Completed	Prior to 2010	McCoy Creek, Fishing Creek, Craig Creek, Depp Bottom Creek, Moncrief Creek, Wills Branch, Pottsburg Creek, Williamson Creek, Middle Trout River, Moncrief Creek-Freshwater, Moncrief Creek-Marine, Pottsburg Creek-Freshwater, Pottsburg Creek-Marine	\$531,960	N/A	JEA
JEA	N/A	JEA-022, JEA-040, JEA-059, JEA-075, JEA-087, JEA-103, JEA-129, JEA-144, JEA-159, JEA-172, JEA-214, JEA-216, JEA-221	ARV Inspection and Rehabilitation	ARV inspection and rehabilitation.	Sanitary Sewer	Completed	Prior to 2010	McCoy Creek, Williamson Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle	\$100,000	N/A	JEA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
								Trout River, Craig Creek, Cormorant Branch, Lower Trout River			
JEA	N/A	JEA-026, JEA-064, JEA-076, JEA-089, JEA-104, JEA-117, JEA-131, JEA-146, JEA-161, JEA-177, JEA-192	Lift Station Inspection	Inspect pump stations near surface waters to ensure they are functioning properly and report status in first annual report.	Sanitary Sewer	Completed	Prior to 2010	McCoy Creek, Fishing Creek, Deep Bottom Creek, Moncrief Creek, Blockhouse Creek, Cormorant Branch, Wills Branch, Greenfield Creek, Pottsburg Creek, Middle Trout River, Lower Trout River	\$146,329	N/A	JEA
JEA	N/A	JEA-029, JEA-045, JEA-093, JEA-181, JEA-209, JEA-211	HDPE Pipe Cleaning	Clean existing HDPE pipes to avoid blockages.	Sanitary Sewer	Completed	Prior to 2010	McCoy Creek, Williamson Creek, Moncrief Creek, Middle Trout River, Fishing Creek, Lower Trout River	\$391,350	N/A	JEA
JEA	N/A	JEA-035	Walk the WBID Follow Up	Inspect dropInlet at Nelson and Plum. Inspections showed no problems with manholes.	Source Identification Activities	Completed	Prior to 2010	McCoy Creek	Not provided	N/A	JEA
JEA	N/A	JEA-036	Walk the WBID Follow Up	SSO at Manhole at Cherokee St. and Edison Ave. Repair manhole.	Source Identification Activities	Completed	Prior to 2010	McCoy Creek	Not provided	N/A	JEA
JEA	N/A	JEA-048, JEA-069, JEA-097, JEA-138	Manhole Monitoring	Manhole monitoring.	Sanitary Sewer	Completed	Prior to 2010	Williamson Creek, Fishing Creek, Moncrief Creek, Wills Branch	\$137,526	N/A	JEA
JEA	N/A	JEA-052	Walk the WBID Follow Up	Manhole SSO at Wilson Blvd. Repaired manhole riser section; CIPP along Wilson Blvd.; dye testing showed no problems.	Source Identification Activities	Completed	Prior to 2010	Williamson Creek	Not provided	N/A	JEA
JEA	N/A	JEA-053	Walk the WBID Follow Up	Inspections at Aldington Rd. Inspection showed no problems; past SSOs in areas that had been addressed.	Source Identification Activities	Completed	Prior to 2010	Williamson Creek	Not provided	N/A	JEA
JEA	N/A	JEA-054	Walk the WBID Follow Up	Investigate residential area on Blanco Court that has shallow lines and manhole problems.	Source Identification Activities	Completed	Prior to 2010	Williamson Creek	Not provided	N/A	JEA
JEA	N/A	JEA-232	TAT Calls and Efforts	Continue participation in TAT coordination calls and other TAT efforts.	Source Identification Activities	Completed	2015	BMAP II Tributaries	N/A	Not provided	JEA
JEA	N/A	JEA-233	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	BMAP II Tributaries	N/A	Not provided	JEA
JEA	N/A	JEA-234	Prioritize Infrastructure Improvements	Give priority to improving/repairing infrastructure close to surface	Sanitary Sewer	Completed	2015	BMAP II Tributaries	N/A	Not provided	JEA

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
				waterbodies and stormwater conveyances.							
JEA	N/A	JEA-235	Walk the WBID Follow Up	Address any action items identified result of Phase 2 Walk the WBID.	Source Identification Activities	Completed	2015	BMAP II Tributaries	Not provided	N/A	JEA
JEA	N/A	JEA-236	Dumpster Inspection Program	Develop inspection program for dumpster areas and behind restaurants, convenience stores, and grocery stores.	Stormwater	Completed	2015	BMAP II Tributaries	Not provided	Not provided	JEA
JEA	N/A	JEA-237	Sample Analysis	Continue BMAP monitoring, with adjustments made as needed, and follow up on high results per TAT protocol. Add <i>E. coli</i> and Enterococci, as appropriate.	Source Identification Activities	Completed	2015	BMAP II Tributaries	N/A	Not provided	JEA
Neptune Beach	N/A	NB-001	Septic Tank Phase Out	Implement phase outs along Acacia Rd., Bay Rd., Florida Blvd., Marsh Point Rd., Oleander Place, Rosewood Dr., Sherwood Lane, and Pine Place.	OSTDS	Completed	Prior to 2010	Hopkins Creek	\$105,000	N/A	City
Neptune Beach	N/A	NB-002	Create GIS Mapping System Inventory Remaining Septic Tank Areas	Put together GIS mapping system and collect data to inventory remaining septic tank areas.	OSTDS	Completed	2011	Hopkins Creek	\$5,000	N/A	City
Neptune Beach	N/A	NB-003	Gravity Sanitary Sewer Collection System O&M	Carry out normal O&M of gravity sewer collection system in city.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	N/A	\$350,000	City
Neptune Beach	N/A	NB-004	SSO Investigations	Investigate SSOs as needed.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	N/A	\$1,000	City
Neptune Beach	N/A	NB-005	ARV Replacement	Replace broken ARVs.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	Not provided	N/A	City
Neptune Beach	N/A	NB-006	Light Lane Lift Station Renovation	Upgrade and rehabilitate existing wet well and station piping.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$13,000	N/A	City
Neptune Beach	N/A	NB-007	Fletcher Lift Station	Upgrade and rehabilitate existing wet well and station piping.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$13,000	N/A	City
Neptune Beach	Developer	NB-008	New Tara Court Lift Station	Install new lift station.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$80,000	N/A	Developer
Neptune Beach	Developer	NB-009	New Emma Lane Lift Station	Install new lift station.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$80,000	N/A	Developer
Neptune Beach	N/A	NB-010	Bay St. Lift Station Renovation	Upgrade and rehabilitate existing wet well and station piping.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$13,000	N/A	City
Neptune Beach	N/A	NB-011	Florida Lift Station Renovation	Upgrade and rehabilitate existing pumps.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$11,000	N/A	City
Neptune Beach	N/A	NB-012	Bal Harbor Lift Station Renovation	Upgrade and rehabilitate existing wet well and station piping.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$13,000	N/A	City
Neptune Beach	N/A	NB-013	5th St. Lift Station renovation	Upgrade and rehabilitate existing station piping.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$8,000	N/A	City
Neptune Beach	N/A	NB-014	Oceanwood Lift Station Renovation	Upgrade and rehabilitate existing wet well.	Sanitary Sewer	Completed	2011	Hopkins Creek	\$5,000	N/A	City
Neptune Beach	N/A	NB-015	Oceanwood Lift Station Renovation	Upgrade and rehabilitate existing station piping.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$8,000	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Neptune Beach	N/A	NB-016	Summer Sands Lift Station renovation	Upgrade and rehabilitate existing wet well and station piping.	Sanitary Sewer	Completed	2012	Hopkins Creek	\$13,000	N/A	City
Neptune Beach	N/A	NB-017	Penman Terrace Lift Station renovation	Upgrade and rehabilitate existing station piping.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$8,000	N/A	City
Neptune Beach	N/A	NB-018	Penman Terrace Lift Station renovation	Upgrade and rehabilitate existing wet well.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$5,000	N/A	City
Neptune Beach	N/A	NB-019	Leeward Landing Lift Station Renovation	Upgrade and rehabilitate existing pumps and station piping.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$10,000	N/A	City
Neptune Beach	N/A	NB-020	1st St. Lift Station Renovation	Upgrade and rehabilitate existing station valves.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$3,500	N/A	City
Neptune Beach	N/A	NB-021	Daily Inspection of Lift Stations	Visually inspect lift station.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	N/A	\$65,000	City
Neptune Beach	DEP	NB-022	Pipe Burst Existing Sewer Lines East of 3rd St.	Replace existing gravity sewer lines east of 3rd St. by means of pipe bursting, and spray manhole liners on existing manholes in work area to reduce I&I.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$3,000,000	N/A	DEP SRF Loan
Neptune Beach	N/A	NB-023	Rehabilitation of Manhole #57 on Hamlet Court	Rehabilitate existing manhole to reduce I&I.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$4,500	N/A	City
Neptune Beach	N/A	NB-024	Rehabilitation of Manhole #52 on Hamlet Court	Rehabilitate existing manhole to reduce I&I.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$4,500	N/A	City
Neptune Beach	N/A	NB-025	Rehabilitation of Manhole #119 on Penman Rd.	Rehabilitate existing manhole to reduce I&I.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$4,500	N/A	City
Neptune Beach	N/A	NB-026	Rehabilitation of Manhole #85 on 3rd St. and Davis Blvd.	Rehabilitate existing manhole to fix sagging/dropping manhole.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$4,500	N/A	City
Neptune Beach	N/A	NB-027	Rehabilitation of Manhole #23 on 1st St. at South St.	Rehabilitate existing manhole to reduce I&I.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	\$4,500	N/A	City
Neptune Beach	N/A	NB-028	Create GIS Mapping System for City Lift Station Inventory	Put together GIS mapping system and collect data for city's sanitary sewer lift station facilities.	Sanitary Sewer	Completed	2011	Hopkins Creek	\$2,000	N/A	City
Neptune Beach	N/A	NB-029	Create GIS mapping system for City Gravity Sanitary Sewer Inventory	Put together GIS mapping system and collect data for city's gravity sanitary sewer facilities.	Sanitary Sewer	Completed	2011	Hopkins Creek	\$5,000	N/A	City
Neptune Beach	N/A	NB-030	Create GIS Mapping System of Private Lift Station Inventory	Put together GIS mapping system and collect data for private lift station facilities in city.	Sanitary Sewer	Completed	2011	Hopkins Creek	\$2,500	N/A	City
Neptune Beach	N/A	NB-031	FOG Program	Routinely inspect grease traps and downstream sanitary sewer primarily at restaurant locations in city.	Sanitary Sewer	Completed	Prior to 2010	Hopkins Creek	N/A	\$5,000	City
Neptune Beach	N/A	NB-032	Stormwater System Ditch and Canal Maintenance	Continually inspect and maintain city's ditches; routinely inspect, mow, pick up litter, and repair as needed.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	\$90,000	City
Neptune Beach	N/A	NB-033	Stormwater System Pond Maintenance	Continually inspect and maintain city's 4 ponds; routinely inspect, mow, pick up litter, and repair as needed.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	\$2,500	City
Neptune Beach	N/A	NB-034, NB-040	Stormwater Education and Outreach Efforts	Participate in WAV Program.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	\$8,500	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Neptune Beach	N/A	NB-035	Pet Waste Management/Ordinance	Sec. 6-30. Defecation disposal. It shall be a violation for any owner of a dog to allow such dog to defecate on any property within the city other than the owner's private property without immediately removing such defecation with some sort of material, utensil or suitable container and depositing the defecation in a trash container. When walking a dog on any property within the city, other than the owner's property, the owner of that dog shall carry some sort of material, utensil or suitable container with which to dispose of the defecation. The owner in violation of this chapter shall pay a civil penalty to the department of public safety as set forth in section 6-5. (Ord. No. 1998-01, § 1, 4-6-98; Ord. No. 2005-09, § 5, 5-2-05).	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	\$5,000	Neptune Beach
Neptune Beach	N/A	NB-036	Street sweeping	Sweep roads with curb and gutter inside city limits.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	\$35,000	City
Neptune Beach	N/A	NB-037	Public Works Employee Training	Conduct annual training covering topics such as stormwater, illicit discharges, and Stormwater Pollution Prevention Plan (SWPPP).	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Neptune Beach	N/A	NB-038	Testing and Sampling	Increase water sampling of Hopkins Creek.	Source Identification Activities	Completed	Prior to 2010	Hopkins Creek	N/A	Not provided	City
Neptune Beach	N/A	NB-039	Stormwater Pollution Prevention Plan	Inspect Public Works facility quarterly and annually.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$5,000	N/A	City
Neptune Beach	N/A	NB-041	Organize a Walk the WBID for Hopkins Creek	Organize and participate in Walk the WBID for Hopkins Creek Watershed.	Source Identification Activities	Completed	Prior to 2010	Hopkins Creek	\$6,000	N/A	City
Neptune Beach	N/A	NB-042	Create GIS Mapping System for City Stormwater Related Inventory	Put together GIS mapping system and collect data for city's stormwater facilities; completion in 2010.	Stormwater	Completed	Prior to 2010	Hopkins Creek	\$5,000	N/A	City
Neptune Beach	N/A	NB-043	Right-of-Way Maintenance and Litter Collection	Routinely mow, maintain, and pick up litter in rights-of-way.	Stormwater	Completed	Prior to 2010	Hopkins Creek	N/A	\$65,000	City
Neptune Beach	N/A	NB-044	Gravity Sanitary Sewer Point Repair Behind Fletcher High School	Repair offset 8-in gravity sanitary sewer line behind Fletcher High School to facilitate lining main. Line was near adjacent ditch.	Sanitary Sewer	Completed	2012	Hopkins Creek	\$15,907	N/A	City
Neptune Beach	N/A	NB-045	Gravity Sanitary Sewer Line Rehabilitation Behind Fletcher High School	Lined 8-in gravity sewer main behind Fletcher High School adjacent to ditch with cured in place pipe (CIPP).	Sanitary Sewer	Completed	2012	Hopkins Creek	\$14,320	N/A	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Neptune Beach	N/A	NB-046	Gravity Sanitary Sewer Line Rehabilitation in Bal Harbour Subdivision	Lined portion of 8-in gravity main in Bal Harbour Subdivision.	Sanitary Sewer	Completed	2012	Hopkins Creek	\$24,920	N/A	City
Neptune Beach	N/A	NB-047	Storm Sewer Rehabilitation in Driftwood Subdivision	Lined portion of storm sewer in Driftwood Subdivision that was found to have offset joints with CIPP.	Stormwater	Completed	2012	Hopkins Creek	\$36,916	N/A	City
Neptune Beach	N/A	NB-048	Storm Sewer Repair on 5th St. Across from Fletcher High School	Replace 30 LF of existing storm sewer that crossed 5th St. discharging into major conveyance ditch.	Stormwater	Completed	2013	Hopkins Creek	\$1,059	N/A	City
Neptune Beach	N/A	NB-049	Culvert Replacement on South St.	30 LF of culvert replacement on South St.	Stormwater	Completed	2013	Hopkins Creek	\$702	N/A	City
Neptune Beach	N/A	NB-050	Sanitary Sewer Rehabilitation on Forest Ave.	Rebuild sanitary sewer manhole adjacent to Hopkins Creek.	Sanitary Sewer	Completed	2013	Hopkins Creek	\$13,205	N/A	City
Neptune Beach	N/A	NB-051	Bal Harbour Sanitary Sewer Improvements	5,000 LF of sewer rehabilitation and replacement in Bal Harbour neighborhood.	Sanitary Sewer	Completed	2014	Hopkins Creek	\$1,000,000	N/A	City
Neptune Beach	N/A	NB-052	Gravity Sanitary Sewer Point Repair Behind Fletcher High School	Repair offset 8-in gravity sanitary sewer line behind Fletcher High School to facilitate lining main. Line was near adjacent ditch.	Sanitary Sewer	Completed	2015	Hopkins Creek	\$15,907	N/A	City
Neptune Beach	N/A	NB-053	Gravity Sanitary Sewer Line Rehabilitation Behind Fletcher High School	Lined 8-in gravity sewer main behind Fletcher High School adjacent to ditch with CIPP.	Sanitary Sewer	Completed	2015	Hopkins Creek	\$14,320	N/A	City
Neptune Beach	N/A	NB-054	Gravity Sanitary Sewer Line Rehabilitation in Bal Harbour Subdivision	Lined portion of 8-in gravity main in Bal Harbour Subdivision.	Sanitary Sewer	Completed	2015	Hopkins Creek	\$24,920	N/A	City
Neptune Beach	N/A	NB-055	Storm Sewer Rehabilitation in Driftwood Subdivision	Lined portion of storm sewer in Driftwood Subdivision that was found to have offset joints with CIPP.	Stormwater	Completed	2015	Hopkins Creek	\$36,916	N/A	City
Neptune Beach	N/A	NB-056	Storm Sewer Repair on 5th St. across from Fletcher High School	Replace 30 LF of existing storm sewer that crossed 5th St. discharging into major conveyance ditch.	Stormwater	Completed	2015	Hopkins Creek	\$1,059	N/A	City
Neptune Beach	N/A	NB-057	Culvert Replacement on South St.	31 LF of culvert replacement on South St..	Stormwater	Completed	2015	Hopkins Creek	\$702	N/A	City
Neptune Beach	N/A	NB-058	Sanitary Sewer Rehabilitation on Forest Ave.	Rebuild sanitary sewer manhole adjacent to Hopkins Creek.	Sanitary Sewer	Completed	2015	Hopkins Creek	\$13,205	N/A	City
Neptune Beach	N/A	NB-059	Bal Harbour Sanitary Sewer Improvements	Sewer rehabilitation and replacement in Bal Harbour neighborhood.	Sanitary Sewer	Completed	2015	Hopkins Creek	\$1,000,000	N/A	City
Neptune Beach	N/A	NB-060	400 and 500 Block Sanitary sewer Improvements	Sewer rehabilitation and replacement of 50 % of 400 and 500 block area south of Florida Blvd.	Sanitary Sewer	Underway	TBD	Hopkins Creek	\$1,500,000	N/A	City
Neptune Beach	N/A	NB-061	Participate in TAT Calls and Efforts	Continue participation in TAT coordination calls and other TAT efforts.	Source Identification Activities	Completed	2015	Hopkins Creek	N/A	Not provided	City
Neptune Beach	N/A	NB-062	Source Identification Follow Up	Assist DEP in following up on source identification results that indicate human source.	Source Identification Activities	Completed	2015	Hopkins Creek	N/A	Not provided	City

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Naval Station (NS) Mayport	N/A	NSM-001	Septic Tank Removal at Building 375	Close septic tank at Building 375 and connect facility to sanitary sewer.	OSTDS	Completed	Prior to 2010	Sherman Creek	\$12,000	N/A	NS Mayport
NS Mayport	N/A	NSM-002	Repair Housing Sewer Mains	Reline housing area sewer main pipes with CIPP.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$228,100	N/A	NS Mayport
NS Mayport	N/A	NSM-003	Repair Housing Laterals	Reline housing unit laterals with CIPP.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$480,000	N/A	NS Mayport
NS Mayport	N/A	NSM-004	Manhole Rehabilitation	Rehabilitate manhole with cementitious coating.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$86,490	N/A	NS Mayport
NS Mayport	N/A	NSM-005	Telemetry System	Install telemetry/monitoring system at pump stations.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	Not provided	N/A	NS Mayport
NS Mayport	N/A	NSM-006	Collection System Spill Prevention Program	Clean and inspect (using video) sewage collection system.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	N/A	Not provided	NS Mayport
NS Mayport	N/A	NSM-007	Pump Station Inspections and Maintenance	Inspect, maintain, and clean sewage pump stations.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	N/A	Not provided	NS Mayport
NS Mayport	N/A	NSM-008	SSO Investigations	Investigate and document all SSOs.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	N/A	Not provided	NS Mayport
NS Mayport	N/A	NSM-009	Cooking Oil and Grease Recycling Program	Recycle oil and grease from all cooking facilities on station; through agreement with COJ, COJ removes used cooking oil and grease and recycles it; COJ has provided storage tanks; NS Mayport has constructed spill containments.	Sanitary Sewer	Completed	Prior to 2010	Sherman Creek	\$28,600	Not provided	NS Mayport
NS Mayport	N/A	NSM-010	Stormwater System Maintenance	Maintain vegetation and structures in stormwater system; remove trash and debris.	Stormwater	Completed	Prior to 2010	Sherman Creek	N/A	Not provided	NS Mayport
NS Mayport	N/A	NSM-011	Cleanout Swales and Culverts	Excavate stormwater ditches and swales to design elevation and cleanout culverts.	Stormwater	Completed	Prior to 2010	Sherman Creek	\$89,300	N/A	NS Mayport
NS Mayport	N/A	NSM-012	Debris Removal	Remove trash and debris from grounds.	Stormwater	Completed	Prior to 2010	Sherman Creek	N/A	Not provided	NS Mayport
NS Mayport	N/A	NSM-013	IDDE	Systematically survey for and eliminate illicit connections/ discharges to stormwater system.	Stormwater	Completed	Prior to 2010	Sherman Creek	N/A	Not provided	NS Mayport
NS Mayport	N/A	NSM-014	Stormwater Public Education and Outreach Efforts	Publish quarterly articles in NS Mayport newspaper and housing newsletter; publish resident brochure.	Stormwater	Completed	Prior to 2010	Sherman Creek	N/A	Not provided	NS Mayport
NS Mayport	N/A	NSM-015	Pet Waste Management/ Ordinance	Regulate pets in housing areas.	Stormwater	Completed	Prior to 2010	Sherman Creek	N/A	Not provided	NS Mayport
NS Mayport	N/A	NSM-016	Pet Waste Collection Stations	Install and maintain pet waste collection stations in recreational areas.	Stormwater	Completed	2011	Sherman Creek	\$1,417	N/A	NS Mayport
NS Mayport	N/A	NSM-017	Street Sweeping–Housing	Sweep streets and cul-de-sacs monthly in on-base and off-base housing areas.	Stormwater	Completed	Prior to 2010	Sherman Creek	N/A	Not provided	Public/Private Venture
NS Mayport	N/A	NSM-018	Street Sweeping–Station	Sweep streets monthly in nonhousing areas.	Stormwater	Completed	Prior to 2010	Sherman Creek	N/A	Not provided	NS Mayport
NS Mayport	N/A	NSM-019	Storm Drain Markers	Install storm drain markers on street and parking lot stormwater inlets.	Stormwater	Completed	2011	Sherman Creek	Not provided	N/A	NS Mayport

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
NS Mayport	N/A	NSM-020	Participate in TAT Calls and Efforts	Continue participation in TAT coordination calls and other TAT efforts.	Source Identification Activities	Completed	2015	Sherman Creek	N/A	Not provided	NS Mayport
NS Mayport	N/A	NSM-021	Sample Analysis	Continue BMAP monitoring, with adjustments made as needed, and follow up on high results per TAT protocol. Add <i>E. coli</i> and Enterococci, as appropriate.	Source Identification Activities	Completed	2015	Sherman Creek	N/A	Not provided	NS Mayport

Manatee River BMAP

Background

The headwaters of the Manatee River Basin are in northeastern Manatee County, near the Four Corners area. The river drains an area of 360 square miles, flowing 45 miles westward and discharging to Lower Tampa Bay. Major tributaries include Gilley Creek, Gamble Creek, and the Braden River. The watershed includes two run-of-the-river water supply reservoirs: Lake Manatee on the Manatee River provides potable water supply to Manatee County, and the Bill Evers Reservoir (also known as Ward Lake) on the Braden River supplies the City of Bradenton. The basin is a mixture of suburban planned development, rural development, and agriculture.

The Manatee River BMAP was adopted in 2014 and addresses four fecal coliform TMDLs adopted in 2009: Rattlesnake Slough (WBID 1923), Cedar Creek (WBID 1926), Nonsense Creek (WBID 1913), and Braden River above Evers Reservoir (WBID 1914); as well as two DO and nutrient TMDLs: Nonsense Creek (WBID 1913) and Braden River above Evers Reservoir (WBID 1914). **Figure D-7** shows the locations of these BMAP watersheds.

The BMAP includes the implementation of FIB source identification efforts such as Walk the WBID, and requires production agricultural operations in BMAP WBIDs to participate in the FDACS BMP Program or elect to perform water quality monitoring of their operations.

Status of Projects

From April 2014 through March 2015, six projects were reported as completed. All six projects were implemented prior to BMAP adoption and none of the projects are ongoing, maintenance activities.

Frequency of Exceedance

Table D-10 lists the frequency of exceedance of the ten percent threshold fecal coliform criterion for the Cycle 3 assessment verified period (January 1, 2007, to June 30, 2014) (before BMAP adoption in 2014) and from January 1, 2009, to June 30, 2016.

Table D-10. Exceedance frequency for the Manatee River BMAP WBIDs

WBID	Waterbody Name	January 1, 2007, to June 30, 2014 % Exceedance	January 1, 2009, to June 30, 2016 % Exceedance
1923	Rattlesnake Slough	26	22
1926	Cedar Creek	63	50
1913	Nonsense Creek	41	48
1914	Braden River above Ward Lake	14	18

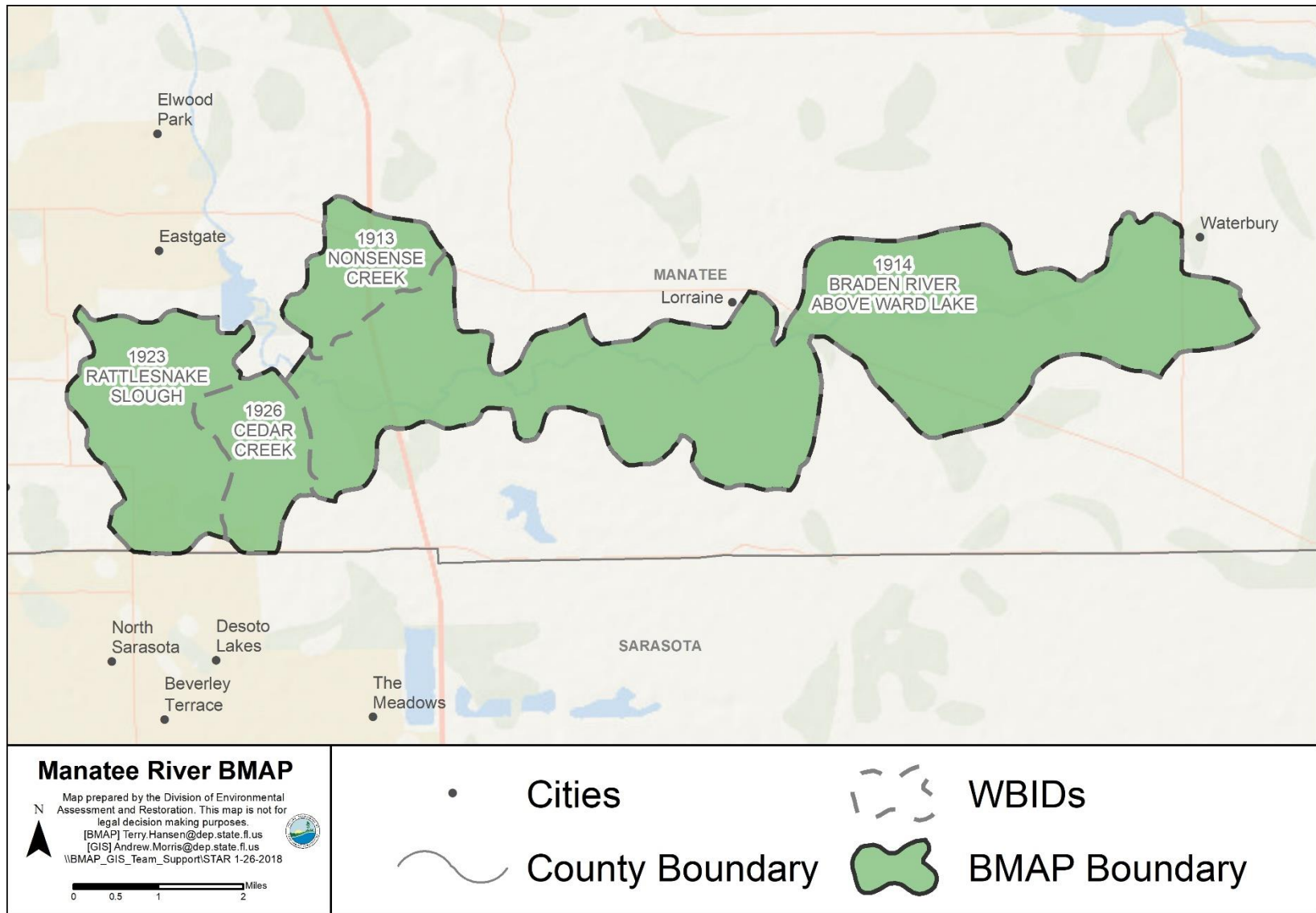


Figure D-7. Manatee River BMAP WBIDs

Table D-11. Manatee River BMAP projects

Lead Entity	Partners	Project Number	Project Name	Project Description	Project Type	Project Status	Estimated Completion Date	Location	Cost Estimate	Cost Annual O&M	Funding Source
Braden River Utilities	N/A	TBEP-1165	Reclaimed Water	Water use reduction and quality improvement.	Reclaimed Water	Completed	2012	Manatee River Basin	Not provided	Not provided	Braden River Utilities
FDOT	N/A	TBEP-1166	201032-2 I-75 at SR 70 Interchange	FPID 201032-2 will improve I-75 and SR 70 interchange in Manatee County, including stormwater treatment facilities.	Stormwater	Underway	TBD	Manatee River Basin	\$10,000,000	Not provided	FDOT
Manatee County	N/A	MC-0001	Walk the Waterbody	Walk the Waterbody exercise for Rattlesnake Slough to identify potential issues in watershed.	Source Identification Activities	Completed	2012	Manatee River Basin	Not provided	N/A	County
Manatee County	N/A	MC-0002	Walk the Waterbody	Walk the Waterbody exercise for Cedar Creek to identify potential issues in watershed.	Source Identification Activities	Completed	2013	Manatee River Basin	Not provided	N/A	County
Manatee County	N/A	MC-1312	Fertilizer Ordinance	Water quality improvement ordinance.	Stormwater	Completed	2011	Manatee River Basin	Not provided	Not provided	County
Manatee County	Not provided	TBEP-0942	Conservatory	50 ac of land purchased for preservation.	Stormwater	Completed	2004	Manatee River Basin	\$3,200,000	Not provided	Not provided
Manatee County	SWFWMD/ City of Bradenton	TBEP-1165	Braden River Area Surface Water Assessment	Surface water resource assessment for Braden River Watershed.	Stormwater	Completed	2012	Manatee River Basin	\$300,000	N/A	SWFWMD/ City of Bradenton
River Club HOA	SWFWMD	RCHA-0001	2010 Love Our Lake Campaign	Educate residents on benefits of reducing fertilizer use, provide handouts in English and Spanish, become model for other associations, measure behavioral changes with pre- and post-survey.	Stormwater	Not provided	Not provided	Manatee River Basin	\$2,800	N/A	SWFWMD
River Club HOA	SWFWMD	RCHA-0002	2011 Volunteer Water Quality Education Program	Educate residents on how to collect and test water quality samples, demonstrate how ponds treat stormwater, reduce fertilizer use June to September, Manatee County Ordinance passed June 2011; effective June 2012.	Stormwater	Not provided	Not provided	Manatee River Basin	\$4,429	N/A	SWFWMD
River Club HOA	Not provided	RCHA-0003	2012 Project to Reduce Nutrient Runoff in Stormwater Ponds	Build on existing community initiatives, use community-based social marketing techniques, educate homeowners on Manatee County fertilizer ordinance, monitor effectiveness of blackout period in ordinance, monitor homeowner awareness of ordinance, test homeowners support for BMPs.	Stormwater	Not provided	Not provided	Manatee River Basin	Not provided	Not provided	Not provided
River Club HOA	Not provided	RCHA-0004	Additional Projects	Flow-way maintenance projects, cooperative maintenance projects with golf course, floating tussock removal projects, shoreline restoration projects.	Stormwater	Underway	TBD	Manatee River Basin	Not provided	Not provided	Not provided
Schroeder-Manatee Ranch	Not provided	SMR-0002	Water Quality Monitoring	Not provided.	Stormwater	Underway	TBD	Manatee River Basin	Not provided	Not provided	Not provided
Schroeder-Manatee Ranch	N/A	SMR-0001	Agricultural BMPs (Citrus, Cow/Calf, Container Nurseries, Sod)	Reduction in agricultural fertilizer use.	Stormwater	Underway	TBD	Manatee River Basin	N/A	N/A	N/A
Manatee County	Not provided	TBEP-1350	Deep Well Injection at North WRF (NWRf)	Not provided.	Reclaimed Water	Planned	TBD	Manatee River Basin	Not provided	Not provided	Not provided
Manatee County	Not provided	TBEP-1351	Deep Well Injection at Southwest WRF (SWWRf)	Not provided.	Reclaimed Water	Planned	TBD	Manatee River Basin	Not provided	Not provided	Not provided
Manatee County	Not provided	TBEP-1354	Manatee County Southeast WRF (SEWRf Upgrade)	Not provided.	Reclaimed Water	Planned	TBD	Manatee River Basin	Not provided	Not provided	Not provided

WMD	Waterbody Name or Compliance Point	System	WB Type	County(s)	Year Adopted	Rule Number	Most Recent	MFL Status	RPS Title	Latitude	Longitude
SFWMD	C-13 (S-36)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	26.17342	-80.17838
SFWMD	C-14 (S-37B)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	26.22377	-80.17047
SFWMD	C-15 (S-40)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	26.42158	-80.07250
SFWMD	C-16 (S-41)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	26.53118	-80.05921
SFWMD	C-2 (S-22)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	25.66959	-80.28374
SFWMD	C-4 (S-25B)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	25.79385	-80.26224
SFWMD	C-51 (S-155)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	26.64479	-80.05504
SFWMD	C-6 (S-26)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	25.80743	-80.26050
SFWMD	C-9 (S-29)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	25.92906	-80.15148
SFWMD	Hillsboro Canal (G-56)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	26.32786	-80.13088
SFWMD	North New River (G-54)	Biscayne Aquifer	Aquifer	Miami-Dade	2001	40E-8.231		Meeting	N/A	26.09488	-80.22984
SFWMD	Caloosahatchee	Caloosahatchee River	River, Estuary	Lee, Hendry	2001	40E-8.221(2)	2018	Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	26.6494	-81.86824
SFWMD	Central Shark Slough/Gage NP-33	Everglades	Wetland	Miami-Dade	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.613996	-80.702284
SFWMD	Central Shark Slough/Gage NP-36	Everglades	Wetland	Miami-Dade	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.527333	-80.795621
SFWMD	Holeyland WMA/Gage HOLEY_G	Everglades	Wetland	Palm Beach	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	26.362526	-80.748713
SFWMD	Marl wetlands east of Shark Slough/NP-38	Everglades	Wetland	Miami-Dade	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.369561	-80.833401
SFWMD	Marl wetlands west of Shark Slough/G-620	Everglades	Wetland	Miami-Dade	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.656111	-80.766444
SFWMD	Marl wetlands west of Shark Slough/NP-201	Everglades	Wetland	Miami-Dade	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.71677	-80.71951
SFWMD	NE Shark Slough/NESRS-2	Everglades	Wetland	Miami-Dade	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.721213	-80.553947
SFWMD	Rockland marl marsh/G-1502	Everglades	Wetland	Miami-Dade	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.615940	-80.583946
SFWMD	Rotenberger WMA/ROTT_S	Everglades	Wetland	Palm Beach	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	26.35781	-80.81472
SFWMD	Taylor Slough/NP-67	Everglades	Wetland	Miami-Dade	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.329561	-80.65034
SFWMD	WCA-1/Gage 1-7	Everglades	Wetland	Palm Beach	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	26.519794	-80.346994
SFWMD	WCA-2A/Gage 2A-17	Everglades	Wetland	Broward	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	26.286747	-80.410886
SFWMD	WCA-2B/Gage 2B-99	Everglades	Wetland	Broward	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	26.137308	-80.366996
SFWMD	WCA-3A Central/Gage 3A-64	Everglades	Wetland	Broward	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.97565	-80.66923
SFWMD	WCA-3A North/Gage 3A-62	Everglades	Wetland	Broward	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	26.17481	-80.75117
SFWMD	WCA-3A North/Gage 3A-63	Everglades	Wetland	Broward	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	26.18897	-80.53089
SFWMD	WCA-3A North/Gage 3A-NE	Everglades	Wetland	Broward	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	26.27897	-80.60478
SFWMD	WCA-3A North/Gage 3A-NW	Everglades	Wetland	Broward	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	26.28511	-80.77562
SFWMD	WCA-3A South/Gage 3A-28	Everglades	Wetland	Miami-Dade	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.81482	-80.71978
SFWMD	WCA-3B/ Gage 3BS1W1	Everglades	Wetland	Miami-Dade	2001	40E-8.221(3)		Recovery 3	Comprehensive Everglades Restoration Plan (CERP)	25.78066	-80.51117
SFWMD	Florida Bay	Florida Bay	Estuary	Miami-Dade, Mc	2006	40E-8.221(5)	2014	Recovery 2	Comprehensive Everglades Restoration Plan (CERP)	25.2102	-80.6476
SFWMD	Lake Istokpoga	Lake Istokpoga	Lake	Highlands	2006	40E-8.351		Meeting	N/A	27.330149	-81.252581
SFWMD	Lake Okeechobee	Lake Okeechobee	Lake	Palm Beach, Oke	2001	40E-8.221(1)	2008	Recovery 2	Comprehensive Everglades Restoration Plan (CERP)	26.948617	-80.796594
SFWMD	Lower Tamiami Aquifer	Lower West Coast Aquifer System	Aquifer	Collier, Monroe,	2001	40E-8.331		Meeting	N/A	26.419688	-81.438245
SFWMD	Mid-Hawthorn Aquifer	Lower West Coast Aquifer System	Aquifer	Collier, Monroe,	2001	40E-8.331		Meeting	N/A	26.419688	-81.438245
SFWMD	Sandstone Aquifer	Lower West Coast Aquifer System	Aquifer	Collier, Monroe,	2001	40E-8.331		Meeting	N/A	26.419688	-81.438245
SFWMD	Northwest Fork of the Loxahatchee	Loxahatchee River	River	Palm Beach, Ma	2003	40E-8.221(4)		Recovery 2	Comprehensive Everglades Restoration Plan (CERP)	26.93928	-80.174642
SFWMD	St. Lucie	St. Lucie River	River, Estuary	St. Lucie	2002	40E-8.341		Meeting	Comprehensive Everglades Restoration Plan (CERP)	27.2023	-80.2587
SJRWMD	Alexander Spring (OFS)	Alexander Spring	Spring-1	Lake	2017	40-C-8.031(5)		Meeting	N/A	29.0813	-81.57583333
SJRWMD	Bird Pond	Bird Pond	Lake	Putnam	1998	40C-8.031(4)(h)		Meeting	N/A	29.419485	-81.537988
SJRWMD	Black Water Creek @ SR 44 Bridge	Black Water Creek	River	Lake	1992	40C-8.031(2)		Meeting	N/A	28.8744	-81.4897
SJRWMD	Blue Cypress Water Management Area	Blue Cypress Water Management Area	Wetland	Indian River	1995	40C-8.031(5)		Meeting	N/A	27.671077	-80.610172
SJRWMD	Blue Pond	Blue Pond	Lake	Clay	1996	40C-8.031(4)(i)		Meeting	N/A	29.874998	-82.024952
SJRWMD	Blue Spring (Volusia Blue) (OFS)	Blue Spring (Volusia Blue)	Spring-1	Volusia	2006	40C-8.031(3)		Prevention	Volusia Strategy	28.947482	-81.339585
SJRWMD	Boggy Marsh	Boggy Marsh	Lake	Lake	2001	40C-8.031(4)(j)		Meeting	N/A	28.387357	-81.701129
SJRWMD	Coon Pond	Coon Pond	Lake	Volusia	2000	40C-8.031(4)(v)		Meeting	N/A	29.174785	-81.166721
SJRWMD	DeLeon Spring (OFS)	DeLeon Spring	Spring-2	Volusia	2017	40C-8.031(7)		Meeting	N/A	29.134278	-81.362746
SJRWMD	Gemini Springs (OFS)	Gemini Springs	Spring-3	Volusia	2017	40C-8.031(8)		Meeting	N/A	28.86277	-81.31141
SJRWMD	Gertie	Gertie	Lake	Volusia	2000	40C-8.031(4)(oo)		Meeting	N/A	29.053416	-81.312292
SJRWMD	Hopkins Prairie	Hopkins Prairie	Lake	Marion	2004	40C-8.031(4)(vv)		Meeting	N/A	29.279394	-81.708927
SJRWMD	Aphsawa North	Lake Aphsawa North	Lake	Lake	2002	40C-8.031(4)(a)		Prevention	Under Development	28.608537	-81.774026
SJRWMD	Aphsawa South	Lake Aphsawa South	Lake	Lake	2002	40C-8.031(4)(b)		Prevention	MFL Scheduled for Reevaluation	28.601116	-81.775168
SJRWMD	Argenta	Lake Argenta	Lake	Putnam	1996	40C-8.031(4)(c.)		Meeting	N/A	29.441078	-81.5281
SJRWMD	Ashby	Lake Ashby	Lake	Volusia	1998	40C-8.031(4)(d)	2010	Meeting	N/A	28.929013	-81.094603
SJRWMD	Banana	Lake Banana	Lake	Seminole	1998	40C-8.031(4)(e)	2014	Meeting	N/A	29.464414	-81.591185
SJRWMD	Bell	Lake Bell	Lake	Putnam	1994	40C-8.031(4)(f)		Meeting	N/A	29.429639	-81.536132
SJRWMD	Big	Lake Big	Lake	Volusia	2000	40C-8.031(4)(g)		Prevention	Volusia Strategy	28.869034	-81.214023
SJRWMD	Bowers	Lake Bowers	Lake	Marion	2004	40C-8.031(4)(k)		Meeting	N/A	29.044453	-81.954446
SJRWMD	Brantley	Lake Brantley	Lake	Seminole	2001	40C-8.031(4)(l)		Prevention	Under Development	28.691396	-81.42208
SJRWMD	Brooklyn	Lake Brooklyn	Lake	Clay	1996	40C-8.031(4)(m)		Recovery 1	MFL Scheduled for Reevaluation	29.799739	-82.028729
SJRWMD	Broward	Lake Broward	Lake	Putnam	1996	40C-8.031(4)(n)		Meeting	N/A	29.512575	-81.592432
SJRWMD	Burkett	Lake Burkett	Lake	Orange	2002	40C-8.031(4)(o)		Meeting	N/A	28.610053	-81.267737
SJRWMD	Charles	Lake Charles	Lake	Marion	2003	40C-8.031(4)(p)		Meeting	N/A	29.231938	-81.906025
SJRWMD	Cherry	Lake Cherry	Lake	Lake	2002	40C-8.031(4)(q)		Prevention	Under Development	28.597144	-81.816178
SJRWMD	Clear	Lake Clear	Lake	Putnam	1996	40C-8.031(4)(r)		Meeting	N/A	29.422717	-81.555988
SJRWMD	Colby	Lake Colby	Lake	Volusia	1996	40C-8.031(4)(s)	2010	Meeting	N/A	28.963683	-81.232558
SJRWMD	Como	Lake Como	Lake	Putnam	1994	40C-8.031(4)(t)	2014	Meeting	N/A	29.470343	-81.582452
SJRWMD	Cow Pond	Lake Cow Pond	Lake	Volusia	1996	40C-8.031(4)(x)		Meeting	N/A	29.346741	-81.490388

WMD	Waterbody Name or Compliance Point	System	WB Type	County(s)	Year Adopted	Rule Number	Most Recent	MFL Status	RPS Title	Latitude	Longitude
SJRWMD	Cowpen	Lake Cowpen	Lake	Putnam	1998	40C-8.031(4)(w)	2017	Meeting	N/A	29.606836	-82.007301
SJRWMD	Crystal/Baker	Lake Crystal/Baker	Lake	Putnam	1996	40C-8.031(4)(y)		Meeting	N/A	29.489079	-81.611266
SJRWMD	Daugharty	Lake Daugharty	Lake	Volusia	1994	40C-8.031(4)(z)	2006	Prevention	Volusia Strategy	29.105175	-81.283142
SJRWMD	Davis	Lake Davis	Lake	Volusia	1998	40C-8.031(4)(aa)	2001	Meeting	N/A	29.358484	-81.512602
SJRWMD	Deep	Lake Deep	Lake	Putnam	1998	40C-8.031(4)(bb)		Meeting	N/A	29.719606	-81.954844
SJRWMD	Dias	Lake Dias	Lake	Volusia	1998	40C-8.031(4)(cc)	2006	Meeting	N/A	29.161404	-81.318111
SJRWMD	Disston	Lake Disston	Lake	Flagler	1998	40C-8.031(4)(dd)		Meeting	N/A	29.286806	-81.389824
SJRWMD	Dorr	Lake Dorr	Lake	Putnam	1996	40C-8.031(4)(ee)		Meeting	N/A	29.00136	-81.622086
SJRWMD	Dream Pond	Lake Dream Pond	Lake	Putnam	1996	40C-8.031(4)(ff)		Meeting	N/A	29.41338	-81.520952
SJRWMD	Drudy	Lake Drudy	Lake	Volusia	1996	40C-8.031(4)(gg)	2002	Meeting	N/A	29.216488	-81.469844
SJRWMD	Echo	Lake Echo	Lake	Putnam	1998	40C-8.031(4)(hh)		Meeting	N/A	29.481895	-81.593471
SJRWMD	Emma	Lake Emma	Lake	Lake	2003	40C-8.031(4)(ii)		Meeting	N/A	28.613674	-81.850788
SJRWMD	Emporia	Lake Emporia	Lake	Volusia	1994	40C-8.031(4)(jj)	2002	Meeting	N/A	29.194808	-81.471362
SJRWMD	Estella	Lake Estella	Lake	Putnam	1996	40C-8.031(4)(kk)		Meeting	N/A	29.425846	-81.605506
SJRWMD	Fox	Lake Fox	Lake	Brevard	2002	40C-8.031(4)(ll)		Meeting	N/A	28.592355	-80.869142
SJRWMD	Geneva	Lake Geneva	Lake	Clay	1996	40C-8.031(4)(mm)		Recovery 2	MFL Scheduled for Reevaluation	29.765845	-82.020074
SJRWMD	Georges	Lake Georges	Lake	Putnam	1996	40C-8.031(4)(nn)		Meeting	N/A	29.793097	-81.849084
SJRWMD	Gore	Lake Gore	Lake	Flagler	1998	40C-8.031(4)(pp)	2010	Meeting	N/A	29.460334	-81.217617
SJRWMD	Grandin	Lake Grandin	Lake	Putnam	1996	40C-8.031(4)(qq)	2010	Meeting	N/A	29.678102	-81.881272
SJRWMD	Halfmoon	Lake Halfmoon	Lake	Marion	2003	40C-8.031(4)(rr)		Meeting	N/A	29.15367	-81.829844
SJRWMD	Helen	Lake Helen	Lake	Volusia	1996	40C-8.031(4)(ss)		Prevention	Volusia Strategy	28.985906	-81.22972
SJRWMD	Hires	Lake Hires	Lake	Volusia	2000	40C-8.031(4)(tt)		Prevention	Volusia Strategy	29.119536	-81.294443
SJRWMD	Hokey	Lake Hokey	Lake	Volusia	2000	40C-8.031(4)(uu)		Meeting	N/A	29.30809	-81.464368
SJRWMD	Howell (Putnam)	Lake Howell (Putnam)	Lake	Putnam	1996	40C-8.031(4)(ww)		Meeting	N/A	29.459123	-81.609029
SJRWMD	Howell (Seminole)	Lake Howell (Seminole)	Lake	Seminole	2001	40C-8.031(4)(xx)		Meeting	N/A	28.639902	-81.30948
SJRWMD	Indian	Lake Indian	Lake	Volusia	2004	40C-8.031(4)(yy)	2013	Recovery 1	Volusia Strategy	29.168374	-81.164957
SJRWMD	Irma	Lake Irma	Lake	Orange	2002	40C-8.031(4)(zz)		Meeting	N/A	28.590928	-81.266238
SJRWMD	Kerr*	Lake Kerr	Lake	Marion	1996	40C-8.031(4)(aaa)	2016	Meeting	N/A	29.355147	-81.780039
SJRWMD	Lizzie	Lake Lizzie	Lake	Putnam	1996	40C-8.031(4)(bbb)		Meeting	N/A	29.46982	-81.570077
SJRWMD	Louisa	Lake Louisa	Lake	Lake	2000	40C-8.031(4)(ccc)		Prevention	Under Development	28.480251	-81.738564
SJRWMD	Lucy	Lake Lucy	Lake	Lake	2003	40C-8.031(4)(eee)		Meeting	N/A	28.601357	-81.852205
SJRWMD	Magnolia	Lake Magnolia	Lake	Clay	1996	40C-8.031(4)(fff)		Meeting	N/A	29.823956	-82.017698
SJRWMD	Margaret	Lake Margaret	Lake	Putnam	1996	40C-8.031(4)(hhh)		Meeting	N/A	29.442149	-81.608645
SJRWMD	Martha	Lake Martha	Lake	Orange	2001	40C-8.031(4)(iii)		Meeting	N/A	28.608076	-81.272052
SJRWMD	Marvin	Lake Marvin	Lake	Putnam	1996	40C-8.031(4)(jjj)		Meeting	N/A	29.42533	-81.608921
SJRWMD	McGrady	Lake McGrady	Lake	Putnam	1998	40C-8.031(4)(kkk)		Meeting	N/A	29.414592	-81.537417
SJRWMD	McKasel	Lake McKasel	Lake	Putnam	1998	40C-8.031(4)(lll)		Meeting	N/A	29.412214	-81.557848
SJRWMD	Melrose	Lake Melrose	Lake	Putnam	1998	40C-8.031(4)(mmm)	2014	Meeting	N/A	29.695411	-82.046812
SJRWMD	Mills	Lake Mills	Lake	Seminole	1998	40C-8.031(4)(nnn)		Meeting	N/A	28.634661	-81.114608
SJRWMD	Minneola	Lake Minneola	Lake	Lake	2002	40C-8.031(4)(ooo)		Prevention	Under Development	28.574548	-81.767977
SJRWMD	Monroe	Lake Monroe	Lake	Volusia	2007	40C-8.031(4)(ppp)		Meeting	N/A	28.838413	-81.269214
SJRWMD	Nettles/English	Lake Nettles/English	Lake	Putnam	1996	40C-8.031(4)(qqq)		Meeting	N/A	29.425201	-81.532488
SJRWMD	Nicotoon	Lake Nicotoon	Lake	Marion	2004	40C-8.031(4)(rrr)		Meeting	N/A	28.994914	-81.712777
SJRWMD	Norris	Lake Norris	Lake	Lake	1996	40C-8.031(4)(sss)	2014	Meeting	N/A	28.939347	-81.541048
SJRWMD	North Como Park	Lake North Como Park	Lake	Putnam	1998	40C-8.031(4)(ttt)		Meeting	N/A	29.475552	-81.602479
SJRWMD	North Talmadge	Lake North Talmadge	Lake	Volusia	1999	40C-8.031(4)(uuu)		Meeting	N/A	29.046634	-81.264949
SJRWMD	Omega	Lake Omega	Lake	Putnam	1996	40C-8.031(4)(vvv)		Meeting	N/A	29.447652	-81.532019
SJRWMD	Orio	Lake Orio	Lake	Putnam	1998	40C-8.031(4)(www)		Meeting	N/A	29.44831	-81.562949
SJRWMD	Pam	Lake Pam	Lake	Putnam	1998	40C-8.031(4)(xxx)		Meeting	N/A	29.456461	-81.596241
SJRWMD	Pearl	Lake Pearl	Lake	Orange	2002	40C-8.031(4)(yyy)		Meeting	N/A	28.604299	-81.264225
SJRWMD	Pierson	Lake Pierson	Lake	Volusia	1994	40C-8.031(4)(zzz)	2002	Meeting	N/A	29.233505	-81.473641
SJRWMD	Pine Island	Lake Pine Island	Lake	Lake	2001	40C-8.031(4)(aaa)		Prevention	Under Development	28.493528	-81.828224
SJRWMD	Prevatt	Lake Prevatt	Lake	Orange	1998	40C-8.031(4)(bbbb)		Prevention	MFL Scheduled for Reevaluation	28.712117	-81.489902
SJRWMD	Prior	Lake Prior	Lake	Putnam	1998	40C-8.031(4)(cccc)		Meeting	N/A	29.479264	-81.573144
SJRWMD	Purdom	Lake Purdom	Lake	Volusia	1996	40C-8.031(4)(dddd)	2014	Meeting	N/A	29.20834	-81.437419
SJRWMD	Sand	Lake Sand	Lake	Putnam	1998	40C-8.031(4)(eeee)		Meeting	N/A	29.478764	-81.603847
SJRWMD	Sand Hill (Lowry)	Lake Sand Hill	Lake	Clay	1996	40C-8.031(4)(ffff)		Meeting	N/A	29.84694	-82.00123
SJRWMD	Scoggin	Lake Scoggin	Lake	Volusia	2000	40C-8.031(4)(hhhh)		Prevention	Under Development	29.07494	-81.406244
SJRWMD	Shaw	Lake Shaw	Lake	Volusia	1994	40C-8.031(4)(iiii)	2010	Meeting	N/A	29.235271	-81.444239
SJRWMD	Silver	Lake Silver	Lake	Putnam	1994	40C-8.031(4)(jjjj)	2003	Meeting	N/A	29.618068	-81.714802
SJRWMD	Smith	Lake Smith	Lake	Marion	2004	40C-8.031(4)(kkkk)		Meeting	N/A	29.0608	-81.989899
SJRWMD	South	Lake South	Lake	Brevard	2002	40C-8.031(4)(llll)		Meeting	N/A	28.617714	-80.871159
SJRWMD	South Como Park	Lake South Como Park	Lake	Putnam	1998	40C-8.031(4)(mmmm)		Meeting	N/A	29.469065	-81.594228
SJRWMD	Star	Lake Star	Lake	Putnam	2000	40C-8.031(4)(nnnn)		Meeting	N/A	29.526142	-82.038179
SJRWMD	Stella	Lake Stella	Lake	Putnam	1996	40C-8.031(4)(oooo)	2002	Meeting	N/A	29.430409	-81.519283
SJRWMD	Sunset	Lake Sunset	Lake	Lake	1998	40C-8.031(4)(pppp)		Meeting	N/A	28.551654	-81.774278
SJRWMD	Swan	Lake Swan	Lake	Putnam	2001	40C-8.031(4)(qqqq)		Meeting	N/A	29.726174	-82.009272
SJRWMD	Sylvan	Lake Sylvan	Lake	Seminole	1998	40C-8.031(4)(rrrr)		Meeting	MFL Scheduled for Reevaluation	28.804536	-81.380583
SJRWMD	Tarhoe*	Lake Tarhoe	Lake	Putnam	1996	40C-8.031(4)(ssss)	2016	Meeting	N/A	29.452163	-81.574608
SJRWMD	Trone	Lake Trone	Lake	Putnam	1996	40C-8.031(4)(uuuu)	2014	Meeting	N/A	29.462094	-81.598107

WMD	Waterbody Name or Compliance Point	System	WB Type	County(s)	Year Adopted	Rule Number	Most Recent	MFL Status	RPS Title	Latitude	Longitude
SJRWMD	Trout	Lake Trout	Lake	Volusia	2000	40C-8.031(4)(vvvv)		Meeting	N/A	28.907154	-81.269318
SJRWMD	Washington	Lake Washington	Lake	Brevard	2000	40C-8.031(4)(yyyy)		Meeting	N/A	28.144038	-80.745515
SJRWMD	Wauberg	Lake Wauberg	Lake	Alachua	1998	40C-8.031(4)(zzzz)		Meeting	N/A	29.52978	-82.302147
SJRWMD	Weir	Lake Weir	Lake	Marion	2000	40C-8.031(4)(aaaaa)		Meeting	MFL Scheduled for Reevaluation	29.014436	-81.941126
SJRWMD	Winnemissett	Lake Winnemissett	Lake	Volusia	1996	40C-8.031(4)(bbbbb)		Meeting	N/A	29.023147	-81.250031
SJRWMD	Winona	Lake Winona	Lake	Volusia	2000	40C-8.031(4)(ccccc)		Meeting	N/A	29.1801	-81.334338
SJRWMD	Como, Little Lake	Little Lake Como	Lake	Putnam	1996	40C-8.031(4)(u)	2014	Meeting	N/A	29.48389	-81.579713
SJRWMD	Mall, Little Lake	Little Lake Mall	Lake	Putnam	1996	40C-8.031(4)(ggg)		Meeting	N/A	29.429017	-81.553587
SJRWMD	Lower Lake Louise	Lower Lake Louise	Lake	Volusia	1996	40C-8.031(4)(ddd)	2002	Meeting	N/A	29.332222	-81.504043
SJRWMD	Messant Springs	Messant Springs	Spring-2	Lake	1992	40C-8.031(1)		Meeting	N/A	28.855833	-81.498889
SJRWMD	Miami Spring	Miami Spring	Spring-3	Seminole	1992	40C-8.031(1)		Meeting	N/A	28.710164	-81.443027
SJRWMD	Palm Springs	Palm Springs	Spring-3	Seminole	1992	40C-8.031(1)		Recovery 1	Under Development	28.691119	-81.392842
SJRWMD	Rock Springs (OFS)	Rock Springs	Spring-2	Orange	1992	40C-8.031(1)	2007	Prevention	MFL Scheduled for Reevaluation	28.756444	-81.501732
SJRWMD	Sanlando Springs	Sanlando Springs	Spring-2	Seminole	1992	40C-8.031(1)		Prevention	Under Development	28.688699	-81.395293
SJRWMD	Savannah	Savannah	Lake	Volusia	2003	40C-8.031(4)(gggg)		Meeting	N/A	28.858048	-81.157454
SJRWMD	Seminole Springs	Seminole Springs	Spring-2	Lake	1992	40C-8.031(1)		Meeting	N/A	28.845556	-81.522778
SJRWMD	Silver Glen Springs (OFS)	Silver Glen	Spring-1	Marion	2017	40C-8.031(9)		Meeting	N/A	29.24584444	-81.64361111
SJRWMD	Silver Springs (OFS)	Silver Springs	Spring-1	Marion	2017	40C-8.031(10)		Prevention	Silver Springs Prevention Strategy	29.216204	-82.052629
SJRWMD	St. Johns @ SR44 near Deland	St. Johns River	River	Volusia	2004	40C-8.031(2)		Meeting	N/A	29.0083	-81.3826
SJRWMD	St. Johns @ SR50 near Christmas	St. Johns River	River	Brevard	2007	40C-8.031(2)		Meeting	N/A	28.5431	-80.9434
SJRWMD	St. Johns 1.5 miles downstream of L. Washington weir	St. Johns River	River	Brevard	2000	40C-8.031(2)		Meeting	N/A	28.1762	-80.7878
SJRWMD	Starbuck Spring	Starbuck Spring	Spring-2	Seminole	1992	40C-8.031(1)		Prevention	Under Development	28.697011	-81.391167
SJRWMD	Taylor Creek 1.7 miles downstream of structure S-164	Taylor Creek	River	Osceola, Brevard	2000	40C-8.031(2)		Meeting	N/A	28.3524	-80.9284
SJRWMD	Three Island Lakes	Three Island Lakes	Lake	Volusia	1998	40C-8.031(4)(tttt)	2010	Prevention	Volusia Strategy	28.941893	-81.211544
SJRWMD	Tusawilla	Tusawilla	Lake	Alachua	2004	40C-8.031(4)(wwwww)		Meeting	N/A	29.493906	-82.268855
SJRWMD	Upper Lake Louise	Upper Lake Louise	Lake	Volusia	1996	40C-8.031(4)(xxxx)	2001	Meeting	N/A	29.347983	-81.509376
SJRWMD	Wekiva @ SR46 Bridge	Wekiva River	River	Lake, Seminole	1992	40C-8.031(2)		Prevention	MFL Scheduled for Reevaluation	28.8153	-81.4192
SJRWMD	Wekiwa Springs (OFS)	Wekiwa Spring	Spring-2	Orange	1992	40C-8.031(1)	2007	Prevention	MFL Scheduled for Reevaluation	28.711885	-81.460417
SRWMD	Aucilla River At Lamont, FL gage	Aucilla River	River, Estuary	Jefferson, Madis	2016	40B-8.081(1)		Meeting	N/A	30.3699	-83.8068
SRWMD	Econfina River Near Perry, FL gage	Econfina River	River, Estuary	Madison, Taylor	2016	40B-8.071		Meeting	N/A	30.1708	-83.8238
SRWMD	Falmouth Spring (OFS)	Falmouth Spring	Spring-1	Suwannee	2017	40BER 17-01		Meeting	N/A	30.36116	-83.13499
SRWMD	Fanning Springs (OFS)	Fanning Springs	Spring-1	Levy	2006	40B-8.041(3)		Meeting	N/A	29.55388889	-82.93527778
SRWMD	Blue Hole Spring	Ichetucknee River Priority Springs	Spring-1	Columbia	2015	62-42.300(1)(c).2.b.		Recovery 3	LSFIR	29.980526	-82.758438
SRWMD	Devil's Eye Spring (Suwanee)	Ichetucknee River Priority Springs	Spring-2	Suwannee	2015	62-42.300(1)(c).2.d.		Recovery 3	LSFIR	29.97367	-82.760008
SRWMD	Grassy Hole Spring	Ichetucknee River Priority Springs	Spring-2	Columbia	2015	62-42.300(1)(c).2.e.		Recovery 3	LSFIR	29.967778	-82.759722
SRWMD	Ichetucknee Headspring (OFS)	Ichetucknee River Priority Springs	Spring-1	Suwannee	2015	62-42.300(1)(c).2.a.		Recovery 3	LSFIR	29.98419	-82.761868
SRWMD	Mill Pond Spring	Ichetucknee River Priority Springs	Spring-2	Columbia	2015	62-42.300(1)(c).2.f.		Recovery 3	LSFIR	29.966658	-82.759974
SRWMD	Mission Spring	Ichetucknee River Priority Springs	Spring-2	Columbia	2015	62-42.300(1)(c).2.c.		Recovery 3	LSFIR	29.976215	-82.757877
SRWMD	Ichetucknee River at U.S. Highway 27 gage	Ichetucknee River River	River	Columbia, Suwal	2015	62-42.300(1)(b)		Recovery 3	LSFIR	29.9527	-82.786
SRWMD	Lafayette Blue Spring (OFS)	Lafayette Blue Spring	Spring-1	Lafayette	2017	40BER 17-01		Meeting	N/A	30.125831	-83.226132
SRWMD	Levy Blue Spring	Levy Blue Spring	Spring-3	Levy	2007	40B-8.051(1)		Meeting	N/A	29.450744	-82.698964
SRWMD	Little Fanning Spring	Little Fanning Spring	Spring-2	Levy	2006	40B-8.041(3)		Meeting	N/A	29.586394	-82.935468
SRWMD	ALA112971 (Treehouse) (OFS)	Lower Santa Fe River Priority Springs	Spring-1	Alachua	2015	62-42.300(1)(c).1.b.		Recovery 3	LSFIR	29.85488889	-82.60027778
SRWMD	COL101974 - Unnamed	Lower Santa Fe River Priority Springs	Spring-2	Columbia	2015	62-42.300(1)(c).1.f.		Recovery 3	LSFIR	29.833995	-82.676678
SRWMD	Columbia Spring (OFS)	Lower Santa Fe River Priority Springs	Spring-1	Columbia	2015	62-42.300(1)(c).1.d.		Recovery 3	LSFIR	29.85411111	-82.61194444
SRWMD	Devil's Ear Spring (OFS)	Lower Santa Fe River Priority Springs	Spring-1	Gilchrist	2015	62-42.300(1)(c).1.i.		Recovery 3	LSFIR	29.83535	-82.69666667
SRWMD	GIL1012973 (Siphon Creek Rise)	Lower Santa Fe River Priority Springs	Spring-1	Gilchrist	2015	62-42.300(1)(c).1.j.		Recovery 3	LSFIR	29.85619444	-82.73305556
SRWMD	Hornsby Spring (OFS)	Lower Santa Fe River Priority Springs	Spring-2	Alachua	2015	62-42.300(1)(c).1.c.		Recovery 3	LSFIR	29.850353	-82.5932
SRWMD	July Spring	Lower Santa Fe River Priority Springs	Spring-1	Columbia	2015	62-42.300(1)(c).1.h.		Recovery 3	LSFIR	29.836175	-82.69638889
SRWMD	Poe Spring (OFS)	Lower Santa Fe River Priority Springs	Spring-2	Alachua	2015	62-42.300(1)(c).1.e.		Recovery 3	LSFIR	29.825713	-82.648972
SRWMD	Rum Island Spring	Lower Santa Fe River Priority Springs	Spring-2	Columbia	2015	62-42.300(1)(c).1.g.		Recovery 3	LSFIR	29.833517	-82.67983
SRWMD	Santa Fe River Rise	Lower Santa Fe River Priority Springs	Spring-1	Columbia	2015	62-42.300(1)(c).1.a.		Recovery 3	LSFIR	29.87388889	-82.59166667
SRWMD	Santa Fe River near Ft. White, FL gage	Lower Santa Fe River River	River	Alachua, Union,	2015	62-42.300(1)(a)		Recovery 3	LSFIR	29.8488	-82.7151
SRWMD	Lower Suwannee River below the Wilcox gauge	Lower Suwannee River	River, Estuary	Dixie, Levy	2006	40B-8.041(5)		Meeting	N/A	29.5897	-82.9365
SRWMD	Madison Blue Spring (OFS)	Madison Blue Spring	Spring-1	Madison	2005	40B-8.031		Meeting	N/A	30.48	-83.24444444
SRWMD	Manatee Spring (OFS)	Manatee Spring	Spring-1	Levy	2006	40B-8.041		Meeting	N/A	29.48916667	-82.97694444
SRWMD	Nutall Rise	Nutall Rise	Spring-1	Taylor	2016	40B-8.081(2)		Meeting	N/A	30.150479	-83.963284
SRWMD	Peacock Springs (OFS)	Peacock Springs	Spring-2	Suwannee	2017	40BER 17-01		Meeting	N/A	30.123223	-83.133152
SRWMD	Troy Spring (OFS)	Troy Spring	Spring-1	Lafayette	2017	40BER 17-01		Meeting	N/A	30.006022	-82.997501
SRWMD	Santa Fe River at Worthington Springs, FL gage	Upper Santa Fe River	River	Alachua, Bradfor	2007	40B-8.061(2)		Meeting	N/A	29.9219	-82.4262
SRWMD	Santa Fe River Near Graham, FL gage	Upper Santa Fe River	River	Alachua, Bradfor	2007	40B-8.061(1)		Meeting	N/A	29.8464	-82.2196
SRWMD	Waccasassa River at Gulf Hammock gauge	Waccasassa River and Estuary	River, Estuary	Levy	2007	40B-8.051(2)		Meeting	N/A	29.2041	-82.769
SRWMD	Wacissa River Near Wacissa, FL gage	Wacissa River	River	Jefferson	2016	40B-8.091(1)		Meeting	N/A	30.3013	-83.9796
SRWMD	Big Blue Spring	Wacissa River Priority Springs	Spring-1	Jefferson	2016	40B-8.091(2)(a)		Meeting	N/A	30.327732	-83.984826
SRWMD	Buzzard Log Spring	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(b)		Meeting	N/A	30.330136	-83.986888
SRWMD	Cassidy Spring	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(c.)		Meeting	N/A	30.332719	-83.989035
SRWMD	Garner Spring	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(d)		Meeting	N/A	30.330308	-83.983115
SRWMD	JEF63991	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(e)		Meeting	N/A	30.324946	-83.985862
SRWMD	JEF63992	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(f)		Meeting	N/A	30.323194	-83.986689
SRWMD	JEF63993	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(g)		Meeting	N/A	30.30228	-83.979617

WMD	Waterbody Name or Compliance Point	System	WB Type	County(s)	Year Adopted	Rule Number	Most Recent	MFL Status	RPS Title	Latitude	Longitude
SRWMD	Jefferson Blue Spring	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(h)		Meeting	N/A	30.330553	-83.988888
SRWMD	Little Blue Spring	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(i)		Meeting	N/A	30.33084	-83.989035
SRWMD	Log Spring	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(j)		Meeting	N/A	30.340531	-83.993002
SRWMD	Minnow Spring	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(k)		Meeting	N/A	30.331532	-83.986592
SRWMD	Thomas Spring	Wacissa River Priority Springs	Spring-2	Jefferson	2016	40B-8.091(2)(l)		Meeting	N/A	30.339711	-83.992323
SRWMD	Wacissa Headspring (OFS)	Wacissa River Priority Springs	Spring-1	Jefferson	2016	40B-8.091(2)(m)		Meeting	N/A	30.339884	-83.991481
SWFWMD	Anclote River below the Elfers Gage	Anclote River (Estuarine Segment)	River, Estuary	Pasco	2010	40D-8.041(15)		Recovery 3	NTB WUCA Recovery Strategy	28.214175	-82.666483
SWFWMD	Anclote River above the Elfers Gage	Anclote River (Freshwater Segment)	River	Pasco	2010	40D-8.041(15)		Recovery 3	NTB WUCA Recovery Strategy	28.2142	-82.6665
SWFWMD	Braden River at the Lorraine Gage	Braden River	River	Manatee	2008	40D-8.041(9)		Meeting	N/A	27.4206	-82.4261
SWFWMD	CBARWF Q-1	CBARWF Q-1	Wetland	Pasco	2000	40D-8.623(3)(gg)		Recovery 3	NTB WUCA Recovery Strategy	28.34611	-82.46972
SWFWMD	CBARWF Stop #7	CBARWF Stop #7	Wetland	Pasco	2000	40D-8.623(3)(ff)		Recovery 3	NTB WUCA Recovery Strategy	28.34361	-82.47444
SWFWMD	CBARWF T-3	CBARWF T-3	Wetland	Pasco	2000	40D-8.623(3)(ee)		Recovery 3	NTB WUCA Recovery Strategy	28.34778	-82.49556
SWFWMD	CBARWF TQ-1 West	CBARWF TQ-1 West	Wetland	Pasco	2000	40D-8.623(3)(dd)		Recovery 3	NTB WUCA Recovery Strategy	28.34361	-82.48639
SWFWMD	CBRWF #16	CBRWF #16	Wetland	Pasco	2000	40D-8.623(3)(x)		Meeting	N/A	28.20833	-82.37167
SWFWMD	CBRWF #25	CBRWF #25	Wetland	Pasco	2000	40D-8.623(3)(z)		Meeting	N/A	28.23306	-82.35861
SWFWMD	CBRWF #32	CBRWF #32	Wetland	Pasco	2000	40D-8.623(3)(aa)		Meeting	N/A	28.1675	-82.36722
SWFWMD	CBRWF #4	CBRWF #4	Wetland	Pasco	2000	40D-8.623(3)(bb)		Meeting	N/A	28.22889	-82.36528
SWFWMD	CBRWF A	CBRWF A	Wetland	Pasco	2000	40D-8.623(3)(y)		Recovery 2	NTB WUCA Recovery Strategy	28.20667	-82.37444
SWFWMD	CC Site G	CC Site G	Wetland	Pasco	2000	40D-8.623(3)(e)		Recovery 2	NTB WUCA Recovery Strategy	28.2725	-82.405
SWFWMD	CC W-11	CC W-11	Wetland	Pasco	2000	40D-8.623(3)(b)		Recovery 1	NTB WUCA Recovery Strategy	28.29611	-82.385
SWFWMD	CC W-12	CC W-12	Wetland	Pasco	2000	40D-8.623(3)(c)		Recovery 1	NTB WUCA Recovery Strategy	28.2925	-82.39417
SWFWMD	CC W-17	CC W-17	Wetland	Pasco	2000	40D-8.623(3)(d)		Meeting	N/A	28.28556	-82.39472
SWFWMD	CC W-41	CC W-41	Wetland	Pasco	2000	40D-8.623(3)(a)		Recovery 3	NTB WUCA Recovery Strategy	28.31222	-82.37361
SWFWMD	Blind Springs	Chassahowitzka River	Spring-2	Hernando	2013	40D-8.041(16)		Meeting	N/A	28.657866	-82.634615
SWFWMD	Chassahowitzka River	Chassahowitzka River	River, Estuary	Citrus, Hernando	2013	40D-8.041(16)		Meeting	N/A	28.715474	-82.577329
SWFWMD	Chassahowitzka Spring Group (OFS)	Chassahowitzka River	Spring-1	Citrus	2013	40D-8.041(16)		Meeting	N/A	28.715517	-82.576202
SWFWMD	Cosme WF Wetland	Cosme WF Wetland	Wetland	Hillsborough	2000	40D-8.623(3)(w)		Recovery 3	NTB WUCA Recovery Strategy	28.10056	-82.59083
SWFWMD	CR1	CR1	Wetland	Hillsborough	2000	40D-8.623(3)(hh)		Meeting	N/A	28.1325	-82.12111
SWFWMD	CR2	CR2	Wetland	Hillsborough	2000	40D-8.623(3)(ii)		Meeting	N/A	28.12056	-82.11972
SWFWMD	CR3	CR3	Wetland	Hillsborough	2000	40D-8.623(3)(jj)		Meeting	N/A	28.11083	-82.12056
SWFWMD	CR4	CR4	Wetland	Hillsborough	2000	40D-8.623(3)(kk)		Meeting	N/A	28.11389	-82.09833
SWFWMD	CR5	CR5	Wetland	Hillsborough	2000	40D-8.623(3)(ll)		Meeting	N/A	28.09806	-82.08222
SWFWMD	CR6	CR6	Wetland	Hillsborough	2000	40D-8.623(3)(mm)		Meeting	N/A	28.12556	-82.09917
SWFWMD	Crystal River	Crystal River	River, Estuary	Citrus	2018	40D8.041(19)		Meeting	N/A	28.904323	-82.6239
SWFWMD	Kings Bay Spring Group (OFS)	Crystal River	Spring-1	Citrus	2018	40D8.041(19)		Meeting	N/A	28.904323	-82.6239
SWFWMD	Crystal Springs	Crystal Springs	Spring-2	Pasco	2008	40D-8.041(10)		Meeting	N/A	28.1822	-82.18515
SWFWMD	Dona Bay/Shakett Creek System below Cow Pen Slough	Dona Bay/Shakett Creek	River, Estuary	Sarasota	2010	40D-8.041(14)		Meeting	N/A	27.149831	-82.425914
SWFWMD	DV-1 Suwannee	Dover/Plant City WUCA	Aquifer	Hillsborough	2011	40D-8.626(3)(c)		Recovery 2	Dover/Plant City WUCA Recovery Strategy	27.992389	-82.209556
SWFWMD	Eagle	Eagle Lake	Lake	Polk	2006	40D-8.624(12)(z)	2017	Recovery 3	SWUCA Recovery Strategy	27.986734	-81.766533
SWFWMD	EWWF NW-44	EWWF NW-44	Wetland	Hillsborough, Pinellas	2000	40D-8.623(3)(q)		Meeting	N/A	28.16806	-82.63111
SWFWMD	EWWF Salls Property Wetland 10S/10D	EWWF Salls Property Wetland 10S/10D	Wetland	Hillsborough, Pinellas	2000	40D-8.623(3)(r)		Meeting	N/A	28.1675	-82.68278
SWFWMD	Gum Slough Springs Group	Gum Slough Springs Group	Spring-2	Sumter	2016	40D-8.041(18)		Meeting	N/A	28.958721	-82.231524
SWFWMD	Homosassa Main Springs Complex (OFS)	Homosassa River	Spring-1	Citrus	2013	40D-8.041(17)		Meeting	N/A	28.799624	-82.588475
SWFWMD	Homosassa River	Homosassa River	River, Estuary	Citrus	2013	40D-8.041(17)		Meeting	N/A	28.797322	-82.589552
SWFWMD	Jessamine	Jessamine Lake	Lake	Pasco	2008	40D-8.624(12)(s)		Meeting	N/A	28.41895	-82.272444
SWFWMD	King	King Lake	Lake	Pasco	2008	40D-8.624(12)(s)		Meeting	N/A	28.23	-82.451453
SWFWMD	King (East)	King Lake (East)	Lake	Pasco	2008	40D-8.624(12)(s)		Meeting	N/A	28.290645	-82.292461
SWFWMD	Alice	Lake Alice	Lake	Hillsborough	2000	40D-8.624(12)(l)		Recovery 2	NTB WUCA Recovery Strategy	28.132368	-82.604089
SWFWMD	Allen	Lake Allen	Lake	Hillsborough	2006	40D-8.624(12)(l)		Recovery 1	NTB WUCA Recovery Strategy	28.157192	-82.488773
SWFWMD	Angelo	Lake Angelo	Lake	Highlands	2008	40D-8.624(12)(i)		Recovery 3	SWUCA Recovery Strategy	27.58612	-81.466479
SWFWMD	Annie	Lake Annie	Lake	Polk	2007	40D-8.624(12)(z)		Meeting	N/A	27.992026	-81.606152
SWFWMD	Anoka	Lake Anoka	Lake	Highlands	2009	40D-8.624(12)(i)		Recovery 1	SWUCA Recovery Strategy	27.580507	-81.512142
SWFWMD	Aurora	Lake Aurora	Lake	Polk	2018	40D-8.624(12)(z)		Meeting	N/A	27.879079	-81.465545
SWFWMD	Barbara	Lake Barbara	Lake	Hillsborough	2003	40D-8.624(12)(l)		Meeting	N/A	28.119731	-82.53585
SWFWMD	Bell	Lake Bell	Lake	Pasco	2004	40D-8.624(12)(s)		Meeting	N/A	28.221138	-82.453746
SWFWMD	Big Fish	Lake Big Fish	Lake	Pasco	2003	40D-8.624(12)(q)	2017	Recovery 1	NTB WUCA Recovery Strategy	28.371172	-82.411426
SWFWMD	Big Gant	Lake Big Gant	Lake	Sumter	2007	40D-8.624(12)(cc)		Meeting	N/A	28.576339	-82.084355
SWFWMD	Bird (Hillsborough)	Lake Bird (Hillsborough)	Lake	Hillsborough	2000	40D-8.624(12)(l)	2015	Recovery 1	NTB WUCA Recovery Strategy	28.101972	-82.477898
SWFWMD	Bird (Pasco)	Lake Bird (Pasco)	Lake	Pasco	2004	40D-8.624(12)(l)		Meeting	N/A	28.180071	-82.452884
SWFWMD	Black	Lake Black	Lake	Sumter	2007	40D-8.624(12)(cc)		Meeting	N/A	28.904863	-81.986884
SWFWMD	Bonable	Lake Bonable	Lake	Marion	2013	40D-8.624(12)(p)		Meeting	N/A	29.138281	-82.523865
SWFWMD	Bonnie	Lake Bonnie	Lake	Polk	2007	40D-8.624(12)(z)		Recovery 2	SWUCA Recovery Strategy	27.911844	-81.55729
SWFWMD	Brant	Lake Brant	Lake	Hillsborough	2000	40D-8.624(12)(l)		Recovery 1	NTB WUCA Recovery Strategy	28.126385	-82.472292
SWFWMD	Buddy	Lake Buddy	Lake	Pasco	2005	40D-8.624(12)(s)	2017	Meeting	N/A	28.307098	-82.221531
SWFWMD	Calm	Lake Calm	Lake	Hillsborough	2003	40D-8.624(12)(l)		Recovery 2	NTB WUCA Recovery Strategy	28.14234	-82.581715
SWFWMD	Camp	Lake Camp	Lake	Pasco	2000	40D-8.624(12)(t)	2015	Recovery 3	NTB WUCA Recovery Strategy	28.184098	-82.491924
SWFWMD	Carroll	Lake Carroll	Lake	Hillsborough	2012	40D-8.624(12)(l)		Meeting	N/A	28.050984	-82.487571
SWFWMD	Charles	Lake Charles	Lake	Hillsborough	2004	40D-8.624(12)(l)		Recovery 1	NTB WUCA Recovery Strategy	28.115841	-82.481018
SWFWMD	Church	Lake Church	Lake	Hillsborough	2003	40D-8.624(12)(l)		Recovery 1	NTB WUCA Recovery Strategy	28.103252	-82.599452
SWFWMD	Clear	Lake Clear	Lake	Pasco	2005	40D-8.624(12)(u)		Meeting	N/A	28.341458	-82.263557

WMD	Waterbody Name or Compliance Point	System	WB Type	County(s)	Year Adopted	Rule Number	Most Recent	MFL Status	RPS Title	Latitude	Longitude
SWFWMD	Clinch	Lake Clinch	Lake	Polk	2006	40D-8.624(12)(z)	2017	Meeting	N/A	27.742887	-81.548436
SWFWMD	Crenshaw	Lake Crenshaw	Lake	Hillsborough	2003	40D-8.624(12)(l)		Meeting	N/A	28.126007	-82.496058
SWFWMD	Crescent	Lake Crescent	Lake	Hillsborough	2005	40D-8.624(12)(l)		Meeting	N/A	28.158005	-82.592156
SWFWMD	Crews	Lake Crews	Lake	Pasco	2016	40D-8.624(12)(q)		Meeting	N/A	28.386266	-82.515523
SWFWMD	Crooked	Lake Crooked	Lake	Polk	2008	40D-8.624(12)(z)	2017	Recovery 1	SWUCA Recovery Strategy	27.807496	-81.570306
SWFWMD	Crystal (Hillsborough)	Lake Crystal (Hillsborough)	Lake	Hillsborough	2000	40D-8.624(12)(l)	2015	Recovery 1	NTB WUCA Recovery Strategy	28.133812	-82.476347
SWFWMD	Crystal (Polk)	Lake Crystal (Polk)	Lake	Polk	2011	40D-8.624(12)(l)		Meeting	N/A	27.903756	-81.584628
SWFWMD	Cypress	Lake Cypress	Lake	Hillsborough	2003	40D-8.624(12)(l)		Meeting	N/A	28.125561	-82.564727
SWFWMD	Dan	Lake Dan	Lake	Hillsborough	2004	40D-8.624(12)(l)	2017	Recovery 3	NTB WUCA Recovery Strategy	28.16553	-82.647105
SWFWMD	Deaton	Lake Deaton	Lake	Sumter	2007	40D-8.624(12)(cc)		Meeting	N/A	28.836439	-81.981624
SWFWMD	Deer	Lake Deer	Lake	Hillsborough	2000	40D-8.624(12)(l)	2018	Recovery 1	NTB WUCA Recovery Strategy	28.167869	-82.4627
SWFWMD	Denton	Lake Denton	Lake	Highlands	2008	40D-8.624(12)(i)		Recovery 3	SWUCA Recovery Strategy	27.55632	-81.489326
SWFWMD	Dinner	Lake Dinner	Lake	Polk	2007	40D-8.624(12)(z)		Meeting	N/A	27.966258	-81.601527
SWFWMD	Dosson	Lake Dosson	Lake	Hillsborough	2000	40D-8.624(12)(l)		Meeting	N/A	28.123102	-82.525484
SWFWMD	Easy	Lake Easy	Lake	Polk	2018	40D-8.624(12)(z)		Meeting	N/A	27.858101	-81.56204
SWFWMD	Echo	Lake Echo	Lake	Hillsborough	2003	40D-8.624(12)(l)		Recovery 1	NTB WUCA Recovery Strategy	28.107586	-82.603681
SWFWMD	Ellen	Lake Ellen	Lake	Hillsborough	2003	40D-8.624(12)(l)		Meeting	N/A	28.121492	-82.535498
SWFWMD	Eva	Lake Eva	Lake	Polk	2018	40D-8.624(12)(z)		Recovery 3	SWUCA Recovery Strategy	28.095218	-81.62806
SWFWMD	Fairy (Maurine)	Lake Fairy (Maurine)	Lake	Hillsborough	2003	40D-8.624(12)(l)		Meeting	N/A	28.087859	-82.585813
SWFWMD	Fort Cooper	Lake Fort Cooper	Lake	Citrus	2007	40D-8.624(12)(c)		Meeting	N/A	28.805941	-82.302437
SWFWMD	Garden	Lake Garden	Lake	Hillsborough	2004	40D-8.624(12)(l)		Recovery 3	NTB WUCA Recovery Strategy	28.131751	-82.63094
SWFWMD	Green	Lake Green	Lake	Pasco	2004	40D-8.624(12)(q)		Meeting	N/A	28.315993	-82.50311
SWFWMD	Halfmoon	Lake Halfmoon	Lake	Hillsborough	2003	40D-8.624(12)(l)		Recovery 1	NTB WUCA Recovery Strategy	28.097114	-82.548128
SWFWMD	Hancock (Pasco)	Lake Hancock (Pasco)	Lake	Pasco	2005	40D-8.624(12)(s)		Meeting	N/A	28.431778	-82.331527
SWFWMD	Hancock (Polk)	Lake Hancock (Polk)	Lake	Polk	2016	40D-8.624(12)(s)		Meeting	N/A	27.971215	-81.837987
SWFWMD	Hanna	Lake Hanna	Lake	Hillsborough	2014	40D-8.624(12)(k)		Meeting	N/A	28.137851	-82.446343
SWFWMD	Harvey	Lake Harvey	Lake	Hillsborough	2006	40D-8.624(12)(l)		Recovery 1	NTB WUCA Recovery Strategy	28.163814	-82.485771
SWFWMD	Helen	Lake Helen	Lake	Hillsborough	2003	40D-8.624(12)(l)		Meeting	N/A	28.121749	-82.538791
SWFWMD	Hobbs	Lake Hobbs	Lake	Hillsborough	2003	40D-8.624(12)(l)	2015	Recovery 1	NTB WUCA Recovery Strategy	28.158855	-82.467706
SWFWMD	Hooker	Lake Hooker	Lake	Hillsborough	2012	40D-8.624(12)(k)		Meeting	N/A	27.979788	-82.263671
SWFWMD	Horse	Lake Horse	Lake	Hillsborough	2005	40D-8.624(12)(l)	2017	Recovery 1	NTB WUCA Recovery Strategy	28.110791	-82.578856
SWFWMD	Hunters	Lake Hunters	Lake	Hernando	2005	40D-8.624(12)(f)		Meeting	N/A	28.442103	-82.620068
SWFWMD	Iola	Lake Iola	Lake	Pasco	2008	40D-8.624(12)(s)		Meeting	N/A	28.394365	-82.298702
SWFWMD	Jackson (Highlands)	Lake Jackson (Highlands)	Lake	Highlands	2006	40D-8.624(12)(i)	2017	Recovery 1	SWUCA Recovery Strategy	28.137542	-82.629974
SWFWMD	Jackson (Hillsborough)	Lake Jackson (Hillsborough)	Lake	Hillsborough	2004	40D-8.624(12)(i)		Recovery 1	NTB WUCA Recovery Strategy	27.491027	-81.462497
SWFWMD	Juanita	Lake Juanita	Lake	Hillsborough	2000	40D-8.624(12)(l)	2017	Recovery 3	NTB WUCA Recovery Strategy	28.117501	-82.588931
SWFWMD	June-In-Winter	Lake June-In-Winter	Lake	Highlands	2006	40D-8.624(12)(i)		Meeting	N/A	27.303977	-81.398961
SWFWMD	Keene	Lake Keene	Lake	Hillsborough	2014	40D-8.624(12)(k)		Meeting	N/A	28.144657	-82.447706
SWFWMD	Kell	Lake Kell	Lake	Hillsborough	2014	40D-8.624(12)(k)		Meeting	N/A	28.166497	-82.456363
SWFWMD	Lee	Lake Lee	Lake	Polk	2007	40D-8.624(12)(z)		Meeting	N/A	27.979616	-81.607695
SWFWMD	Letta	Lake Letta	Lake	Highlands	2006	40D-8.624(12)(i)	2017	Recovery 3	SWUCA Recovery Strategy	27.560325	-81.461793
SWFWMD	Linda	Lake Linda	Lake	Pasco	2008	40D-8.624(12)(t)		Recovery 1	NTB WUCA Recovery Strategy	28.189132	-82.479037
SWFWMD	Lindsey	Lake Lindsey	Lake	Hernando	2005	40D-8.624(12)(h)		Meeting	N/A	28.62996	-82.366551
SWFWMD	Little Bonable	Lake Little Bonable	Lake	Marion	2013	40D-8.624(12)(p)		Meeting	N/A	29.151784	-82.531744
SWFWMD	Little Moon	Lake Little Moon	Lake	Hillsborough	2000	40D-8.624(12)(l)	2017	Recovery 3	NTB WUCA Recovery Strategy	28.113829	-82.600297
SWFWMD	Lotela	Lake Lotela	Lake	Highlands	2006	40D-8.624(12)(i)	2017	Recovery 3	SWUCA Recovery Strategy	27.57725	-81.482073
SWFWMD	Lowery	Lake Lowery	Lake	Polk	2018	40D-8.624(12)(z)		Meeting	N/A	28.130296	-81.677885
SWFWMD	Mabel	Lake Mabel	Lake	Polk	2007	40D-8.624(12)(z)		Meeting	N/A	27.970453	-81.58842
SWFWMD	Marion	Lake Marion	Lake	Levy	2007	40D-8.624(12)(n)		Meeting	N/A	29.295203	-82.576158
SWFWMD	McLeod	Lake McLeod	Lake	Polk	2006	40D-8.624(12)(z)	2017	Recovery 1	SWUCA Recovery Strategy	27.967464	-81.752949
SWFWMD	Merrywater	Lake Merrywater	Lake	Hillsborough	2000	40D-8.624(12)(l)	2017	Recovery 2	NTB WUCA Recovery Strategy	28.123439	-82.487207
SWFWMD	Middle	Lake Middle	Lake	Pasco	2005	40D-8.624(12)(s)		Meeting	N/A	28.420669	-82.314807
SWFWMD	Miona	Lake Miona	Lake	Sumter	2007	40D-8.624(12)(cc)		Meeting	N/A	28.903504	-82.003549
SWFWMD	Moon	Lake Moon	Lake	Pasco	2004	40D-8.624(12)(q)	2017	Meeting	N/A	28.285086	-82.610596
SWFWMD	Mound	Lake Mound	Lake	Hillsborough	2004	40D-8.624(12)(l)		Meeting	N/A	28.1475	-82.572024
SWFWMD	Mountain	Lake Mountain	Lake	Hernando	2005	40D-8.624(12)(h)		Meeting	N/A	28.479237	-82.311162
SWFWMD	Neff	Lake Neff	Lake	Hernando	2005	40D-8.624(12)(h)		Meeting	N/A	28.478866	-82.324315
SWFWMD	Okahumpka	Lake Okahumpka	Lake	Sumter	2007	40D-8.624(12)(cc)		Meeting	N/A	28.825058	-82.006932
SWFWMD	Padgett	Lake Padgett	Lake	Pasco	2004	40D-8.624(12)(s)	2015	Meeting	N/A	28.203767	-82.458617
SWFWMD	Panasoffkee	Lake Panasoffkee	Lake	Sumter	2007	40D-8.624(12)(cc)		Meeting	N/A	28.801373	-82.122509
SWFWMD	Parker	Lake Parker	Lake	Polk	2006	40D-8.624(12)(z)		Meeting	N/A	28.067299	-81.931132
SWFWMD	Parker (Ann)	Lake Parker (Ann)	Lake	Pasco	2004	40D-8.624(12)(t)		Meeting	N/A	28.177738	-82.581702
SWFWMD	Pasadena	Lake Pasadena	Lake	Pasco	2005	40D-8.624(12)(s)	2017	Meeting	N/A	28.31902	-82.220175
SWFWMD	Placid	Lake Placid	Lake	Highlands	2008	40D-8.624(12)(i)		Meeting	N/A	27.242438	-81.363519
SWFWMD	Platt	Lake Platt	Lake	Hillsborough	2004	40D-8.624(12)(l)		Meeting	N/A	28.094684	-82.478679
SWFWMD	Pretty	Lake Pretty	Lake	Hillsborough	2005	40D-8.624(12)(l)		Meeting	N/A	28.107652	-82.56787
SWFWMD	Rainbow	Lake Rainbow	Lake	Hillsborough	2000	40D-8.624(12)(l)	2017	Recovery 3	NTB WUCA Recovery Strategy	28.11684	-82.596204
SWFWMD	Raleigh	Lake Raleigh	Lake	Hillsborough	2013	40D-8.624(12)(l)		Recovery 2	NTB WUCA Recovery Strategy	28.105916	-82.583827
SWFWMD	Reinheimer	Lake Reinheimer	Lake	Hillsborough	2004	40D-8.624(12)(l)		Meeting	N/A	28.130154	-82.486785
SWFWMD	Rogers	Lake Rogers	Lake	Hillsborough	2013	40D-8.624(12)(l)		Recovery 3	NTB WUCA Recovery Strategy	28.108927	-82.588677

WMD	Waterbody Name or Compliance Point	System	WB Type	County(s)	Year Adopted	Rule Number	Most Recent	MFL Status	RPS Title	Latitude	Longitude
SWFWMD	Round	Lake Round	Lake	Hillsborough	2003	40D-8.624(12)(l)	2018	Meeting	N/A	28.120727	-82.499988
SWFWMD	Saddleback	Lake Saddleback	Lake	Hillsborough	2003	40D-8.624(12)(l)	2018	Recovery 1	NTB WUCA Recovery Strategy	28.120516	-82.494879
SWFWMD	Sapphire	Lake Sapphire	Lake	Hillsborough	2000	40D-8.624(12)(l)		Recovery 1	NTB WUCA Recovery Strategy	28.140653	-82.481426
SWFWMD	Spring	Lake Spring	Lake	Hernando	2005	40D-8.624(12)(h)		Meeting	N/A	28.493147	-82.294804
SWFWMD	Starr	Lake Starr	Lake	Polk	2007	40D-8.624(12)(z)	2017	Recovery 3	SWUCA Recovery Strategy	27.956611	-81.587442
SWFWMD	Starvation	Lake Starvation	Lake	Hillsborough	2015	40D-8.624(12)(l)		Meeting	N/A	28.123982	-82.50641
SWFWMD	Stemper	Lake Stemper	Lake	Hillsborough	2000	40D-8.624(12)(k)	2014	Meeting	N/A	28.13372	-82.456208
SWFWMD	Strawberry (North Crystal)	Lake Strawberry (North Crystal)	Lake	Hillsborough	2004	40D-8.624(12)(l)		Meeting	N/A	28.139517	-82.474755
SWFWMD	Sunset	Lake Sunset	Lake	Hillsborough	2000	40D-8.624(12)(l)	2017	Meeting	N/A	28.135008	-82.625607
SWFWMD	Sunshine	Lake Sunshine	Lake	Hillsborough	2000	40D-8.624(12)(l)		Meeting	N/A	28.119743	-82.526032
SWFWMD	Taylor	Lake Taylor	Lake	Hillsborough	2005	40D-8.624(12)(l)		Meeting	N/A	28.136479	-82.612096
SWFWMD	Tiger	Lake Tiger	Lake	Marion	2013	40D-8.624(12)(p)		Meeting	N/A	29.131188	-82.517659
SWFWMD	Tsala Apopka (Floral City Pool)	Lake Tsala Apopka (Floral City Pool)	Lake	Citrus	2007	40D-8.624(12)(c.)		Meeting	N/A	28.793127	-82.224889
SWFWMD	Tsala Apopka (Hernando Pool)	Lake Tsala Apopka (Hernando Pool)	Lake	Citrus	2007	40D-8.624(12)(c.)		Meeting	N/A	28.913467	-82.340832
SWFWMD	Tsala Apopka (Inverness Pool)	Lake Tsala Apopka (Inverness Pool)	Lake	Citrus	2007	40D-8.624(12)(c.)		Meeting	N/A	28.857808	-82.300964
SWFWMD	Tulane	Lake Tulane	Lake	Highlands	2008	40D-8.624(12)(i)		Recovery 3	SWUCA Recovery Strategy	27.586015	-81.503642
SWFWMD	Verona	Lake Verona	Lake	Highlands	2008	40D-8.624(12)(i)		Recovery 3	SWUCA Recovery Strategy	27.597847	-81.49696
SWFWMD	Virginia	Lake Virginia	Lake	Hillsborough	2006	40D-8.624(12)(l)		Recovery 1	NTB WUCA Recovery Strategy	28.16143	-82.488667
SWFWMD	Weekiwachee Prairie (Theresa)	Lake Weekiwachee Prairie (Lake Theresa)	Lake	Hernando	2005	40D-8.624(12)(f)		Meeting	N/A	28.47703	-82.57163
SWFWMD	Wimauma	Lake Wimauma	Lake	Hillsborough	2012	40D-8.624(12)(j)		Meeting	N/A	27.708483	-82.312368
SWFWMD	Little Jackson	Little Lake Jackson	Lake	Highlands	2006	40D-8.624(12)(i)	2017	Recovery 1	SWUCA Recovery Strategy	27.467746	-81.463525
SWFWMD	Alafia River downstream of the Lithia Gage	Lower Alafia River	River, Estuary	Hillsborough, Po	2010	40D-8.041(12)		Meeting	RWSP/WUP Condition	27.872528	-82.211111
SWFWMD	Lithia/Buckhorn Spring Group	Lower Alafia River	Spring-2	Hillsborough	2010	40D-8.041(12)		Meeting	RWSP/WUP Condition	27.866276	-82.231465
SWFWMD	Hillsborough River downstream of Fletcher Avenue	Lower Hillsborough River	River, Estuary	Hillsborough	2007	40D-8.041(1)	2007	Recovery 2	Hillsborough River Strategy	28.0692	-82.377
SWFWMD	Myakka River at Lower Myakka Lake Outlet	Lower Myakka River	River, Estuary	Sarasota	2012	40D-8.041(6)(b)		Meeting	N/A	27.209923	-82.338069
SWFWMD	Lower Peace River	Lower Peace River	River, Estuary	De Soto, Charlot	2010	40D-8.041(8)	2015	Meeting	N/A	27.1038	-81.9837
SWFWMD	MBWF Clay Gully Cypress	MBWF Clay Gully Cypress	Wetland	Hillsborough	2000	40D-8.623(3)(o)		Recovery 3	NTB WUCA Recovery Strategy	28.1225	-82.34583
SWFWMD	MBWF Entry Dome	MBWF Entry Dome	Wetland	Hillsborough	2000	40D-8.623(3)(m)		Meeting	N/A	28.11528	-82.30667
SWFWMD	MBWF Unnamed	MBWF Unnamed	Wetland	Hillsborough	2000	40D-8.623(3)(p)		Meeting	N/A	28.10556	-82.3425
SWFWMD	MBWF X-4	MBWF X-4	Wetland	Hillsborough	2000	40D-8.623(3)(n)		Meeting	N/A	28.12389	-82.33722
SWFWMD	Middle Peace River at the USGS Peace River Arcadia Gage	Middle Peace River	River	DeSoto, Hardee	2006	40D-8.041(5)		Meeting	N/A	27.2209	-81.8762
SWFWMD	North Lake Wales	North Lake Wales	Lake	Polk	2011	40D-8.624(12)(z)		Recovery 1	SWUCA Recovery Strategy	27.909296	-81.580244
SWFWMD	RMP-13D	Northern Tampa Bay SWIMAL	Aquifer	Hillsborough	2000	40D-8.626(1)(c)		Meeting	N/A	28.032164	-82.566367
SWFWMD	RMP-16D (Sheldon Road Deep)	Northern Tampa Bay SWIMAL	Aquifer	Hillsborough	2000	40D-8.626(1)(c)		Meeting	N/A	28.015083	-82.583417
SWFWMD	RMP8D1	Northern Tampa Bay SWIMAL	Aquifer	Hillsborough	2000	40D-8.626(1)(c)		Meeting	N/A	28.060158	-82.549425
SWFWMD	SWF 201-M	Northern Tampa Bay SWIMAL	Aquifer	Pinellas	2000	40D-8.626(1)(c)		Meeting	N/A	28.149894	-82.681533
SWFWMD	SWF EW 2S Deep	Northern Tampa Bay SWIMAL	Aquifer	Pinellas	2000	40D-8.626(1)(c)		Meeting	N/A	28.149306	-82.670333
SWFWMD	SWI-18S	Northern Tampa Bay SWIMAL	Aquifer	Pinellas	2000	40D-8.626(1)(c)		Meeting	N/A	28.151028	-82.695436
SWFWMD	Tarpon Rd Deep	Northern Tampa Bay SWIMAL	Aquifer	Pinellas	2000	40D-8.626(1)(c)		Meeting	N/A	28.151917	-82.712694
SWFWMD	NPWF #21	NPWF #21	Wetland	Pasco	2000	40D-8.623(3)(oo)		Meeting	N/A	28.28972	-82.575
SWFWMD	NPWF #3	NPWF #3	Wetland	Pasco	2000	40D-8.623(3)(nn)		Meeting	N/A	28.31667	-82.57556
SWFWMD	Pasco	Pasco Lake	Lake	Pasco	2008	40D-8.624(12)(q)		Recovery 3	NTB WUCA Recovery Strategy	28.384092	-82.487155
SWFWMD	Pierce	Pierce Lake	Lake	Pasco	2008	40D-8.624(12)(q)		Meeting	N/A	28.320884	-82.512846
SWFWMD	Rainbow River	Rainbow River	River	Marion	2017	40DER 17-01		Meeting	N/A	29.0492	-82.4478
SWFWMD	Rainbow Spring Group (OFS)	Rainbow Spring Group	Spring-1	Marion	2017	40DER 17-01		Meeting	N/A	29.102474	-82.437464
SWFWMD	S21 WF NW-53 East	S21 WF NW-53 East	Wetland	Hillsborough	2000	40D-8.623(3)(v)		Recovery 1	NTB WUCA Recovery Strategy	28.12111	-82.51417
SWFWMD	SPWF NW-49	SPWF NW-49	Wetland	Pasco	2000	40D-8.623(3)(s)		Meeting	N/A	28.18333	-82.5075
SWFWMD	SPWF NW-50 South Pasco	SPWF NW-50 South Pasco	Wetland	Pasco	2000	40D-8.623(3)(u)		Meeting	N/A	28.18806	-82.50778
SWFWMD	SPWF South Cypress	SPWF South Cypress	Wetland	Pasco	2000	40D-8.623(3)(t)		Meeting	N/A	28.18139	-82.50806
SWFWMD	STWF Central Recorder	STWF Central Recorder	Wetland	Pasco	2000	40D-8.623(3)(g)		Meeting	N/A	28.24444	-82.59583
SWFWMD	STWF D	STWF D	Wetland	Pasco	2000	40D-8.623(3)(f)		Recovery 3	NTB WUCA Recovery Strategy	28.25528	-82.63472
SWFWMD	STWF Eastern Recorder	STWF Eastern Recorder	Wetland	Pasco	2000	40D-8.623(3)(i)		Meeting	N/A	28.24583	-82.56556
SWFWMD	STWF M	STWF M	Wetland	Pasco	2000	40D-8.623(3)(k)		Meeting	N/A	28.24278	-82.57333
SWFWMD	STWF N	STWF N	Wetland	Pasco	2000	40D-8.623(3)(l)		Meeting	N/A	28.2425	-82.55222
SWFWMD	STWF S-75	STWF S-75	Wetland	Pasco	2000	40D-8.623(3)(j)		Meeting	N/A	28.25028	-82.56278
SWFWMD	STWF Z	STWF Z	Wetland	Pasco	2000	40D-8.623(3)(h)		Meeting	N/A	28.23611	-82.58528
SWFWMD	Sulphur Springs	Sulphur Springs	Spring-2	Hillsborough	2007	40D-8.041(3)		Meeting	N/A	28.021132	-82.451632
SWFWMD	SWUCA SWIMAL	SWUCA SWIMAL	Aquifer	Hillsborough, Ma	2007	40D-8.626(2)(c)		Recovery 3	SWUCA Recovery Strategy	27.560307	-82.401344
SWFWMD	Tampa Bypass Canal at structure 160	Tampa Bypass Canal	River, Estuary	Hillsborough	2007	40D-8.041(4)		Meeting	N/A	27.9571	-82.3694
SWFWMD	Tooke	Tooke Lake	Lake	Hernando	2013	40D-8.624(12)(f)		Meeting	N/A	28.568206	-82.550437
SWFWMD	Unnamed No. 22	Unnamed Lake No. 22 (Loyce)	Lake	Pasco	2008	40D-8.624(12)(q)		Meeting	N/A	28.375323	-82.495557
SWFWMD	Alafia River at the Lithia Gage	Upper Alafia River (Freshwater Segmen	River	Hillsborough, Po	2008	40D-8.041(11)		Meeting	N/A	27.8722	-82.2112
SWFWMD	Hillsborough River at the Morris Bridge Gage	Upper Hillsborough River	River	Hillsborough	2008	40D-8.041(2)		Meeting	N/A	28.0986	-82.3114
SWFWMD	Myakka River at the Sarasota Gage	Upper Myakka River	River	Sarasota	2006	40D-8.041(6)(a)		Meeting	N/A	27.2406	-82.3137
SWFWMD	Upper Peace River at Bartow	Upper Peace River	River	Polk	2006	40D-8.041(7)		Recovery 3	SWUCA Recovery Strategy	27.9019	-81.8175
SWFWMD	Upper Peace River at Ft. Meade	Upper Peace River	River	Polk	2006	40D-8.041(7)		Recovery 3	SWUCA Recovery Strategy	27.7511	-81.7822
SWFWMD	Upper Peace River at Zolfo Springs	Upper Peace River	River	Polk, Hardee	2006	40D-8.041(7)		Recovery 3	SWUCA Recovery Strategy	27.5042	-81.8011
SWFWMD	Venus	Venus Lake	Lake	Polk	2007	40D-8.624(12)(z)		Meeting	N/A	27.975627	-81.611276
SWFWMD	Wailes	Lake Wailes	Lake	Polk	2006	40D-8.624(12)(z)	2017	Recovery 3	SWUCA Recovery Strategy	27.901501	-81.572589

WMD	Waterbody Name or Compliance Point	System	WB Type	County(s)	Year Adopted	Rule Number	Most Recent	MFL Status	RPS Title	Latitude	Longitude
SWFWMD	Weeki Wachee River	Weeki Wachee River	River	Hernando	2009	40D-8.041(13)		Meeting	N/A	28.518881	-82.580708
SWFWMD	Weeki Wachee Spring (OFS)	Weeki Wachee River	Spring-1	Hernando	2009	40D-8.041(13)		Meeting	N/A	28.51719	-82.573164
SWFWMD	Whitehurst	Whitehurst Pond	Lake	Hernando	2013	40D-8.624(12)(f)		Meeting	N/A	28.571708	-82.526509

Water Management District	Project Name	Lead Entity	Project Type	Land Acquisition Component	Project Description	Project Status	Beginning Date	Completion Date	MFL Supported	MFL Recovery or Prevention Strategy	Quantity of Water Made Available to date (MGD)	Quantity of Water Made Available upon Completion (MGD)	Reuse Flow Made Available to date (MGD)	Reuse Flow Made Available upon Project Completion (MGD)	Storage Capacity Created (MG)	Projected Funding	Initial fiscal year funded	Most recent fiscal year funded	WSPSP Funding	Springs Funding	Other state funding	Total State Funding	Total District Funding	Total Land Acquisition Funding by District or State	Project Sponsor Match	Project Total		
SRWMD	Archer Public Supply Conservation	Archer, City of	Conservation	No	Water conservation to be achieved through the replacement of inefficient fixtures with high efficiency fixtures and appliances to reduce domestic water consumption.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	0.00	0.03	N/A	N/A	N/A	\$ 32,400	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	High Springs Public Supply Conservation	High Springs, City of	Conservation	No	Water conservation to be achieved through the replacement of inefficient fixtures with high efficiency fixtures and appliances to reduce domestic water consumption.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	0.00	0.04	N/A	N/A	N/A	\$ 590,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	Lake Butler Public Supply Conservation	Lake Butler, City of	Conservation	No	Water conservation to be achieved through the replacement of inefficient fixtures with high efficiency fixtures and appliances to reduce domestic water consumption.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	0.03	N/A	N/A	N/A	\$ 40,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	Lake City Public Supply Conservation	Lake City, City of	Conservation	No	Water conservation to be achieved through the replacement of inefficient fixtures with high efficiency fixtures and appliances to reduce domestic water consumption.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	0.32	N/A	N/A	N/A	\$ 3,930,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	Live Oak Public Supply Conservation	Live Oak, City of	Conservation	No	Water conservation to be achieved through the replacement of inefficient fixtures with high efficiency fixtures and appliances to reduce domestic water consumption.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	0.10	N/A	N/A	N/A	\$ 50,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	Newberry Public Supply Conservation	Newberry, City of	Conservation	No	Water conservation to be achieved through the replacement of inefficient fixtures with high efficiency fixtures and appliances to reduce domestic water consumption.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	0.05	N/A	N/A	N/A	\$ 610,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	Starke Public Supply Conservation	Starke, City of	Conservation	No	Water conservation to be achieved through the replacement of inefficient fixtures with high efficiency fixtures and appliances to reduce domestic water consumption.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	0.08	N/A	N/A	N/A	\$ -	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	SRWMD CII Conservation Potential	Columbia County	Conservation	No	Water conservation to be achieved through the replacement of inefficient fixtures with high efficiency fixtures to reduce commercial water consumption.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	N/A	N/A	N/A	N/A	\$ -	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	Water-wise Florida Landscape - Inground: Alachua County	Alachua County	Conservation	No	Encourage local municipalities & governments to enact ordinances that promote Florida friendly landscaping to reduce irrigation demands.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	1.90	N/A	N/A	N/A	\$ 10,030,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	Targeted Residential Water Conservation BMPs: LDR Modifications - Alachua County	Alachua County	Conservation	No	Through the promotion and adoption of low impact development practices with local municipalities and governments this approach can lessen the impact of water demands in future growth.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	1.80	N/A	N/A	N/A	\$ 32,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	City of Waldo Water Meter Replacement	Waldo, City of	Other Project Types	No	Replacement of 543 lead free water meters to improve accuracy and water quality. Meters have a 30 day rolling data log for enhanced customer information and water conservation awareness.	Complete	June-13	November-13	LSFI	LSFI	0.01	0.01	N/A	N/A	N/A	\$ -	2012-13	2012-13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,836	\$ -	\$ 76,836	\$ 153,671
SRWMD	City of Alachua Water Conservation RIVER cost-share Project	Alachua, City of	Conservation	No	Reduce leakage in water resource caution area	Complete	May-13	November-14	LSFI	LSFI	0.05	0.05	N/A	N/A	N/A	\$ -	2012-13	2012-13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,220	\$ -	\$ 31,220	\$ 62,440
SRWMD	City of High Springs Water Conservation RIVER cost-share project	High Springs, City of	Conservation	No	Reduce leakage in water resource caution area	Complete	June-13	September-14	LSFI	LSFI	0.02	0.02	N/A	N/A	N/A	\$ -	2012-13	2012-13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,628	\$ -	\$ 28,628	\$ 57,256
SRWMD	Live Oak Golf Course Reuse Connection RIVER cost-share project	Live Oak, City of	Reclaimed Water	No	Contract cancelled , replaced with Suwannee County Club reuse connection project	Cancelled	N/A	N/A	LSFI	LSFI	N/A	N/A	0.00	0.00	N/A	\$ -	2012-13	2017-18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	Suwannee County Club Reuse Connection	Live Oak, City of	Reclaimed Water	No	Connect the Suwannee County Club golf course to the City of Live Oak reuse line; install pump station. Reduce groundwater withdrawals for irrigation	Construction	March-16	December-18	LSFI	LSFI	N/A	N/A	0.05	0.10	N/A	\$ -	2014-15	2017-18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 124,452	\$ -	\$ 4,893	\$ 129,344
SRWMD	City of Archer Wastewater Collection, Treatment & Reuse RIVER cost share project	Archer, City of	Reclaimed Water	No	City of Archer Wastewater Collection, Treatment and reuse system for the City of Archer. WMD funds for reuse portion.	Cancelled	N/A	N/A	LSFI	LSFI	N/A	N/A	0.00	0.25	N/A	\$ -	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	Lake City Sprayfield Treatment Wetlands Project (aka Ichetucknee Water Quality Improvements)	Lake City, City of, SRWMD	Reclaimed Water	No	A sprayfield will be converted into wetlands that will provide additional treatment to reduce nitrogen and recharge to the aquifer.	Complete	December-13	November-17	LSFI	LSFI	1.19	1.19	N/A	N/A	N/A	\$ -	2012-13	2016-17	\$ -	\$ 3,900,000	\$ -	\$ 3,900,000	\$ -	\$ 283,815	\$ -	\$ 100,000	\$ 5,005,111	
SRWMD	Middle Suwannee Springs Restoration Project: Mallory Family, Land Timber and Cattle LLC, Campbell Global	Dixie County, Lafayette County, FFWCC, Hurst Family, Land Timber and Cattle LLC, Campbell Global	Aquifer Storage and Recovery (ASR)	No	hydrologic restoration activities on the property to rehydrate roughly 1,500 acres of ponds, 4,000 acres of wetlands and recharge the aquifer up to an estimated 10 million gallons per day.	Construction	June-15	December-20	LSFI / Lower Suwannee River	LSFI	N/A	10.00	N/A	N/A	N/A	\$ -	2012-13	2017-18	\$ -	\$ 1,548,000	\$ -	\$ 1,548,000	\$ -	\$ 277,000	\$ -	\$ 30,000	\$ 1,900,000	
SRWMD	Lake City Municipal Airport Modification	Lake City, City of	Stormwater	No	Swale and percolation improvements to capture stormwater on site for aquifer recharge	Complete	May-09	April-12	LSFI	LSFI	N/A	1.90	N/A	N/A	0.11	\$ -	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SRWMD	Starke By-pass	Starke, City of	Stormwater	No	Wetland mitigation system for SR 223 Starke Bypass	Construction	April-15	November-20	LSFI	LSFI	N/A	N/A	N/A	N/A	N/A	\$ -	N/A	N/A	\$ -	\$ -	\$ 2,980,000	\$ 2,980,000	\$ -	\$ -	\$ -	\$ -	\$ 2,980,000	
SRWMD	Oakmont Groundwater Recharge Wetlands	GRU	Reclaimed Water	No	Construction of groundwater recharge wetlands at Oakmont subdivision.	Construction	January-15	September-18	LSFI	LSFI	N/A	N/A	N/A	1.00	N/A	\$ -	2014-15	2017-18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 80,000	\$ 230,000	
SRWMD	Brooks Sink Phase 2	SRWMD	Aquifer Storage and Recovery (ASR)	yes	Brooks Sink, located in Bradford County, is known as one of the largest cover collapse sink holes in Florida and directly connects to the UFA. In the 1970s, previous landowners excavated a series of ditches to drain the wetlands and divert the natural flow of water away from Brooks Sink. In 2015, the District, partnering with Rayonier Operating Company, LLC, completed the first phase of the Brooks Sink Project, which involved installing a flashboard riser in the main ditch to divert the water back to the sinkhole. Phase 2 proposes the acquisition of an additional 1,020 acres, for a total project area of 2,020 acres, on which flows would be redirected to the natural sink for additional recharge. This project is currently unfunded.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	0.60	N/A	N/A	N/A	\$ 200,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SRWMD	Ichetucknee Trace - Clay Hole Creek / Alligator Lake Aquifer Recharge and Stormwater Mitigation	Columbia County, FDEP	Aquifer Storage and Recovery (ASR)	No	Construct recharge wells to capture stormwater runoff from Price and Alligator Creek basins.	Construction	July-15	September-20	LSFI	LSFI	N/A	4.00	N/A	N/A	N/A	\$ -	N/A	N/A	\$ -	\$ 2,260,000	\$ -	\$ 2,260,000	\$ -	\$ -	\$ 300,000	\$ 2,560,000		
SRWMD	Cannon Creek	Columbia County	Stormwater	yes	Stormwater improvements and recharge wells.	Construction	June-16	September-20	LSFI	LSFI	N/A	2.24	N/A	N/A	N/A	\$ -	N/A	N/A	\$ -	\$ 2,250,000	\$ 250,000	\$ 2,500,000	\$ -	\$ -	\$ 750,000	\$ 3,250,000		
SRWMD	Oakmont Reclaimed Water Main Extension (ph. 2)	GRU	Reclaimed Water	No	This project will include construction of reclaimed water (RCW) mains for the internal distribution network for construction of the Oakmont Subdivision, Phase 2.	Construction	March-17	September-18	LSFI	LSFI	N/A	N/A	N/A	0.05	N/A	\$ -	2015-16	2017-18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 113,143	\$ -	\$ 339,428	\$ 452,571	

Water Management District	Project Name	Lead Entity	Project Type	Land Acquisition Component	Project Description	Project Status	Beginning Date	Completion Date	MFL Supported	MFL Recovery or Prevention Strategy	Quantity of Water Made Available to date (MGD)	Quantity of Water Made Available upon Completion (MGD)	Reuse Flow Made Available to date (MGD)	Reuse Flow Made Available upon Project Completion (MGD)	Storage Capacity Created (MG)	Projected Funding	Initial fiscal year funded	Most recent fiscal year funded	WSPS Funding	Springs Funding	Other state funding	Total State Funding	Total District Funding	Total Land Acquisition Funding by District or State	Project Sponsor Match	Project Total	
SRWMD	Oakmont Subdivision Reclaimed Water System Expansion	GRU	Reclaimed Water	No	Expansion of reclaimed water distribution system pipelines in Oakmont subdivision to offset use of potable water for irrigation. Includes additional transmission and storage/pumping facilities to facilitate addition of groundwater recharge wetlands and/or further expansion of potable offset irrigation.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	N/A	N/A	0.40	N/A	\$ 8,400,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SRWMD	Reclaimed Water System Expansion into New Neighborhoods	GRU	Reclaimed Water	No	Expansion of reclaimed water distribution system pipelines to offset use of potable water for irrigation.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	N/A	N/A	0.40	N/A	\$ 5,000,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SRWMD	City of Lake City Reclaimed Water System Upgrade (Phase 1)	SRWMD	Reclaimed Water	No	Installation of 2.7 miles of reclaimed water main to increase the amount of reclaimed water users.	RWSP or RPS Option Only	N/A	N/A	LSFI	LSFI	N/A	N/A	N/A	0.54	N/A	\$ 550,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SRWMD											2.39	60.59	0.05	2.74	0.11	\$ 123,134,400			\$ -	\$ 9,958,000	\$ 3,230,000	\$ -	\$ 13,188,000	\$ 1,085,094	\$ -	\$ 1,861,005	\$ 16,900,393
SWFWMD	PR/MRWSA Reservoir Expansion	Peace River/Manosota Regional Water Supply Authority	Surface Water	No	Design, permitting and construction of a 6-billion-gallon reservoir.	Complete	July-2007	December-2009	Floridan Aquifer	SWUCA Recovery	14.70	14.70	N/A	N/A	6,000.00	\$ -	2004-05	2009-10	\$ 9,576,921	\$ -	\$ -	\$ 9,576,921	\$ 29,053,938	\$ -	\$ -	\$ 38,418,817	\$ 77,049,655
SWFWMD	PR/MRWSA Facility Expansion	Peace River/Manosota Regional Water Supply Authority	Surface Water	No	Design, permitting and construction of a 24 mgd surface treatment plant expansion and 5 miles of transmission main to Desoto Co.	Complete	March-2007	June-2010	Floridan Aquifer	SWUCA Recovery	included in above	included in above	N/A	N/A	N/A	\$ -	2004-05	2009-10	\$ 15,918,289	\$ -	\$ -	\$ 15,918,289	\$ 28,109,508	\$ -	\$ -	\$ 46,115,403	\$ 90,143,200
SWFWMD	Lake Hancock Outfall	SWFWMD	Surface Water	No	Design, permitting and construction of a water control structure to raise Lake Hancock by 1.5 feet to enable releases to meet Peace River MFLs and water supply.	Complete	November-2011	December-2013	Peace River	SWUCA Recovery	5.36	16.15	N/A	N/A	N/A	\$ -	2004-05	2008-09	\$ 1,000,000	\$ -	\$ -	\$ 1,000,000	\$ 4,500,000	\$ -	\$ -	N/A	\$ 5,500,000
SWFWMD	Charlotte County Regional Reclaimed	Charlotte County	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission, storage and pumping infrastructure.	Complete	August-2007	December-2009	Floridan Aquifer	SWUCA Recovery	N/A	N/A	1.27	1.27	1.00	\$ -	2004-05	2009-10	\$ 1,080,010	\$ -	\$ -	\$ 1,080,010	\$ 3,084,995	\$ -	\$ -	\$ 3,084,995	\$ 7,250,000
SWFWMD	Pasco County SE Regional Reclaimed Interconnect	Pasco County	Reclaimed Water	No	Design, permitting and construction of 4 miles of reclaimed transmission mains in Southeast Pasco.	Complete	April-2011	May-2012	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2005-06	2010-11	\$ 239,405	\$ -	\$ -	\$ 239,405	\$ 1,268,391	\$ -	\$ -	\$ 1,629,512	\$ 3,137,308
SWFWMD	PR/MRWSA Regional Loop Phase 2 Interconnect	Peace River/Manosota Regional Water Supply Authority	Surface Water	No	Design, permitting and construction of an interconnect between Peace River Facility and North Port.	Complete	June-2011	May-2013	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2006-07	2012-13	\$ 166,031	\$ -	\$ -	\$ 166,031	\$ 7,616,984	\$ -	\$ -	\$ 7,616,984	\$ 15,400,000
SWFWMD	PR/MRWSA Regional Loop Phase 3A Interconnect	Peace River/Manosota Regional Water Supply Authority	Surface Water	No	Design, permitting and construction of an interconnect between Sarasota Carlton Facility and Manatee Co.	Complete	February-2010	September-2012	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2006-07	2010-11	\$ 166,031	\$ -	\$ -	\$ 166,031	\$ 13,659,104	\$ -	\$ -	\$ 13,659,104	\$ 27,484,240
SWFWMD	Pasco SR52 Reclaimed E/W Interconnect	Pasco County	Reclaimed Water	No	Design, permitting and construction of a reuse interconnect in Central Pasco County.	Complete	April-2011	December-2013	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2006-07	2009-10	\$ 1,240,000	\$ -	\$ -	\$ 1,240,000	\$ 8,680,000	\$ -	\$ -	\$ 8,680,000	\$ 18,600,000
SWFWMD	Pasco Boyette Reuse Reservoir	Pasco County	Reclaimed Water	No	Design, permitting and construction of a 500 mg reservoir and 15 mgd pump station.	Complete	September-2013	December-2015	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	500.00	\$ -	2006-07	2014-15	\$ 284,450	\$ -	\$ -	\$ 284,450	\$ 12,075,350	\$ -	\$ -	\$ 26,840,200	\$ 39,200,000
SWFWMD	Tampa Bay Water System Configuration II	Tampa Bay Water	Surface Water	No	Design, permitting and construction of the expansion of surface water treatment plant, pump stations and transmission systems.	Complete	December-2011	November-2012	Floridan Aquifer	Northern Tampa Bay Recovery	25.00	25.00	N/A	N/A	N/A	\$ -	2005-06	2010-11	\$ 15,506,854	\$ -	\$ 6,250,000	\$ 21,756,854	\$ 111,371,576	\$ -	\$ -	\$ 120,815,912	\$ 247,684,339
SWFWMD	Pasco Shady Hills Reuse Interconnect	Pasco County	Reclaimed Water	No	Design, permitting and construction of storage, pumping and transmission in Central Pasco County.	Complete	October-2007	November-2013	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	5.00	\$ -	2007-08	2011-12	\$ 592,000	\$ -	\$ -	\$ 592,000	\$ 6,263,246	\$ -	\$ -	\$ 6,263,246	\$ 13,118,493
SWFWMD	PR/MRWSA Regional Loop Phase 1A	Peace River/Manosota Regional Water Supply Authority	Surface Water	No	Design, permitting and construction of transmission and storage to Plant Gorda.	Complete	July-2011	September-2013	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	0.50	\$ -	2005-06	2008-09	\$ 43,541	\$ -	\$ 5,000,000	\$ 5,043,541	\$ 11,627,789	\$ -	\$ -	\$ 10,124,926	\$ 21,796,256
SWFWMD	TECO Lakeland/Mulberry/Polk SW Reuse	Tampa Electric Company	Reclaimed Water	No	Design, permitting and construction of storage, pumping, treatment, transmission and disposal infrastructure in Southern Polk County.	Complete	February-2010	December-2017	Floridan Aquifer	SWUCA Recovery	N/A	N/A	10.00	10.00	0.50	\$ -	2008-09	2015-16	\$ -	\$ -	\$ 3,526,063	\$ 3,526,063	\$ 45,676,957	\$ -	\$ -	\$ 47,757,705	\$ 96,960,725
SWFWMD	PR/MRWSA Regional Brackish Resource Development	Peace River/Manosota Regional Water Supply Authority	Brackish Groundwater	No	Feasibility of developing a brackish reverse osmosis (RO) system and evaluating disposal options for reverse osmosis concentrate.	Complete	October-2008	October-2014	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2008-09	2011-12	\$ -	\$ -	\$ 450,852	\$ 450,852	\$ 450,852	\$ -	\$ -	\$ 600,000	\$ 1,501,704
SWFWMD	TBW Master Plan "Surface Water Expansion Study"	Tampa Bay Water	Surface Water	No	Planning, modeling, costing and preliminary engineering to determine the availability of surface water withdrawals from surface water supply sources (including the Alafia River and Bullfrog Creek).	Complete	October-2009	August-2013	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2009-10	2011-12	\$ -	\$ -	\$ -	\$ -	\$ 751,649	\$ -	\$ -	\$ 1,496,020	\$ 2,247,669
SWFWMD	Charlotte County Regional Reclaimed Phase 2	Charlotte County	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission, storage and pumping infrastructure between the East and West service areas.	Complete	October-2012	October-2014	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	13.00	\$ -	2005-06	2012-13	\$ 170,900	\$ -	\$ -	\$ 170,900	\$ 1,314,550	\$ -	\$ -	\$ 1,314,550	\$ 2,800,000
SWFWMD	Manatee County SW 10 mg Reclaimed Tank	Manatee County	Reclaimed Water	No	Design, permitting and construction of a 10 mg tank and pump station at the County's Southwest Facility.	Complete	April-2010	May-2011	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	10.00	\$ -	2009-10	2009-10	\$ -	\$ -	\$ -	\$ -	\$ 1,443,084	\$ -	\$ -	\$ 1,443,084	\$ 2,886,168
SWFWMD	Flatford Swamp Surface Water Recharge	SWFWMD	Surface Water	No	Design, permitting and construction of groundwater recharge project for SWIMAL Recovery at Flatford Swamp.	Construction	TBD	January-2023	Floridan Aquifer	SWUCA Recovery	0.00	6.00	N/A	N/A	N/A	\$ -	2009-10	2017-18	\$ -	\$ -	\$ -	\$ -	\$ 8,787,241	\$ -	\$ -	\$ 225,000	\$ 39,225,000
SWFWMD	Pasco Central County Reclaimed Water Natural Treatment Study	Pasco County	Reclaimed Water	No	Feasibility study of applying reclaimed water to constructed wetland systems, infiltration basins, or similar facilities in central Pasco County to help raise groundwater and surface water levels that have been historically depressed due to regional groundwater withdrawals.	Complete	October-2010	June-2015	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2009-10	2010-11	\$ -	\$ -	\$ -	\$ -	\$ 343,582	\$ -	\$ -	\$ 245,200	\$ 588,782
SWFWMD	Manatee County Second SW 10 mg Reclaimed Tank	Manatee County	Reclaimed Water	No	Design, permitting and construction of a second 10 mg tank and pump station at the County's Southwest Facility.	Complete	May-2012	July-2014	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	10.00	\$ -	2005-06	2013-14	\$ 637,824	\$ -	\$ -	\$ 637,824	\$ 3,270,730	\$ -	\$ -	\$ 3,270,730	\$ 7,179,284
SWFWMD	Pasco County Wet Weather Reuse Options	Pasco County	Reclaimed Water	No	Design, permitting and construction of Pasco Land O Lakes Reclaimed Reservoir.	Complete	February-2007	October-2008	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.55	0.55	100.00	\$ -	2002-03	2007-08	\$ -	\$ -	\$ 2,188,536	\$ 2,188,536	\$ 778,397	\$ -	\$ -	\$ 778,397	\$ 3,745,330
SWFWMD	Bradenton Potable ASR	Bradenton, City of	Aquifer Storage and Recovery (ASR)	No	Design, permitting and construction of an Aquifer Storage and Recovery (ASR) Test Program in the City of Bradenton to create an alternative water supply by storing excess treated surface water from the Bill Evers Reservoir Water Treatment Facility.	Complete	October-2005	December-2011	Floridan Aquifer	SWUCA Recovery	0.41	0.41	N/A	N/A	150.00	\$ -	1999-00	2009-10	\$ 37,560	\$ -	\$ -	\$ 37,560	\$ 1,199,121	\$ -	\$ -	\$ 1,199,121	\$ 2,454,643
SWFWMD	North Port Potable ASR	North Port, City of	Aquifer Storage and Recovery (ASR)	No	Design, permitting and construction of an Aquifer Storage and Recovery (ASR) Test Program in the City of North Port to reduce arsenic leachate issues.	Complete	December-2001	December-2017	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	100.00	\$ -	2006-07	2015-16	\$ -	\$ -	\$ -	\$ -	\$ 1,034,070	\$ -	\$ -	\$ 1,034,070	\$ 2,068,140
SWFWMD	North Sarasota County Reclaimed ASR	Sarasota County	Aquifer Storage and Recovery (ASR)	No	Design, permitting and construction of a 1 mgd reclaimed water ASR storage well.	Complete	September-2005	December-2016	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	100.00	\$ -	1999-00	2006-07	\$ 164,864	\$ -	\$ -	\$ 164,864	\$ 1,521,518	\$ -	\$ -	\$ 1,521,518	\$ 3,207,900
SWFWMD	Lake Tarpon ASR Text Well	Pinellas County	Aquifer Storage and Recovery (ASR)	No	Feasibility study of a 1 MGD reclaimed water ASR storage well to store surface water to augment reclaimed water systems.	Complete	April-2001	December-2011	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2000-01	2010-11	\$ 105,166	\$ -	\$ -	\$ 105,166	\$ 1,285,900	\$ -	\$ -	\$ 1,285,900	\$ 2,676,966
SWFWMD	St. Pete SW Reclaimed Water Storage and Pumping	St. Petersburg	Reclaimed Water	No	Design, permitting and construction of a 10 mg tank and pump station at the City's Southwest Facility.	Complete	September-2005	December-2009	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	10.00	\$ -	2002-03	2007-08	\$ 779,000	\$ -	\$ -	\$ 779,000	\$ 3,953,697	\$ -	\$ -	\$ 3,953,697	\$ 8,686,394
SWFWMD	Lake Placid Reuse	Lake Placid, Town of	Reclaimed Water	No	Design, permitting and construction of a 0.5 mg tank and pump station and transmission to median for irrigation.	Complete	June-2008	December-2010	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.09	0.09	0.50	\$ -	2003-04	2005-06	\$ 117,420	\$ -	\$ -	\$ 117,420	\$ 845,154	\$ -	\$ -	\$ 281,718	\$ 1,244,292
SWFWMD	Clearwater Morningside Reuse	Clearwater, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water distribution mains to serve residential, school and a golf course irrigation.	Complete	July-2007	December-2011	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.45	0.45	N/A	\$ -	2004-05	2006-07	\$ 380,380	\$ -	\$ -	\$ 380,380	\$ 1,059,491	\$ -	\$ -	\$ 1,059,491	\$ 2,499,362
SWFWMD	Pasco County Conerton Reuse Transmission and Storage	Pasco County	Reclaimed Water	No	Design, permitting, and construction of Transmission and storage (pond) to supply the Conerton Development.	Complete	August-2005	July-2007	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.38	2.00	25.00	\$ -	2004-05	2005-06	\$ 216,632	\$ -	\$ -	\$ 216,632	\$ 1,322,931	\$ -	\$ -	\$ 1,322,931	\$ 2,862,494
SWFWMD	Hillsborough County Lithia Princess Reuse Transmission	Hillsborough County	Reclaimed Water	No	Design, permitting and construction of transmission mains to serve the Fishhawk Ranch Development.	Complete	May-2005	September-2008	Floridan Aquifer	SWUCA Recovery	N/A	N/A	2.66	2.66	N/A	\$ -	2004-05	2006-07	\$ 362,520	\$ -	\$ -	\$ 362,520	\$ 933,480	\$ -	\$ -	\$ 2,304,000	\$ 3,600,000
SWFWMD	City of Sarasota Payne Park Reuse	Sarasota, City of	Reclaimed Water	No	Design, permitting and construction of transmission lines to Payne Park.	Complete	September-2006	December-2007	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.10	0.10	N/A	\$ -	2005-06	2005-06	\$ 85,211	\$ -	\$ -	\$ 85,211	\$ 170,422	\$ -	\$ -	\$ 170,422	\$ 426,055

Water Management District	Project Name	Lead Entity	Project Type	Land Acquisition Component	Project Description	Project Status	Beginning Date	Completion Date	MFL Supported	MFL Recovery or Prevention Strategy	Quantity of Water Made Available to date (MGD)	Quantity of Water Made Available upon Completion (MGD)	Reuse Flow Made Available to date (MGD)	Reuse Flow Made Available upon Project Completion (MGD)	Storage Capacity Created (MG)	Projected Funding	Initial fiscal year funded	Most recent fiscal year funded	WSPS Funding	Springs Funding	Other state funding	Total State Funding	Total District Funding	Total Land Acquisition Funding by District or State	Project Sponsor Match	Project Total	
SWFWMD	Aqua Utilities Lakewood Ranch Reuse	Aqua Utilities	Reclaimed Water	No	Design, permitting and construction of transmission and pumping infrastructure for the Corporate Park section of Lakewood Ranch	Complete	October-2006	September-2007	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.47	0.57	N/A	\$ -	2005-06	2005-06	\$ 54,644	\$ -	\$ -	\$ 54,644	\$ 154,827	\$ -	\$ -	\$ 154,827	\$ 364,298
SWFWMD	City of Palmetto Reclaimed Water ASR	Palmetto, City of	Aquifer Storage and Recovery (ASR)	No	Design, permitting, construction and testing of a 1.2 mgd reclaimed water ASR well	Complete	March-2008	December-2017	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	144.00	\$ -	2005-06	2013-14	\$ 208,000	\$ -	\$ -	\$ 208,000	\$ 1,959,112	\$ -	\$ -	\$ 1,959,112	\$ 4,126,224
SWFWMD	Englewood Water District Stillwater Reuse Transmission	Englewood Water District	Reclaimed Water	No	Design, permitting and construction of reuse transmission mains to the Stillwater subdivision	Complete	June-2007	November-2007	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.10	0.10	N/A	\$ -	2005-06	2008-09	\$ 40,244	\$ -	\$ -	\$ 40,244	\$ 115,669	\$ -	\$ -	\$ 115,669	\$ 271,582
SWFWMD	City of Clearwater Skycrest Reclaimed Water	Clearwater, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission, storage and pumping	Complete	September-2009	December-2012	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.52	0.52	5.00	\$ -	2005-06	2010-11	\$ 1,599,000	\$ -	\$ -	\$ 1,599,000	\$ 4,618,244	\$ -	\$ -	\$ 4,618,244	\$ 10,835,488
SWFWMD	City of Dunedin Reuse Expansion	Dunedin, City of	Reclaimed Water	No	Design, permitting and construction of reuse transmission mains in seven areas of the City	Complete	April-2007	May-2009	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.21	0.21	N/A	\$ -	2006-07	2007-08	\$ 406,770	\$ -	\$ -	\$ 406,770	\$ 861,636	\$ -	\$ -	\$ 861,636	\$ 2,130,042
SWFWMD	Pasco County Overpass Road Reuse	Pasco County	Reclaimed Water	No	Design, permitting and construction transmission loop for future reuse supplies	Complete	November-2007	September-2012	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2006-07	2008-09	\$ 8,160	\$ -	\$ -	\$ 8,160	\$ 700,920	\$ -	\$ -	\$ 700,920	\$ 1,410,000
SWFWMD	City of Clearwater Chataqua/Coachman Reuse	Clearwater, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission and distribution infrastructure	Complete	July-2009	December-2012	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.31	0.31	N/A	\$ -	2007-08	2010-11	\$ -	\$ -	\$ -	\$ -	\$ 1,644,024	\$ -	\$ -	\$ 1,644,024	\$ 3,288,048
SWFWMD	Plant City Sydney/Park Road Reuse	Plant City, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission mains	Complete	March-2012	December-2016	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.26	0.55	N/A	\$ -	2007-08	2013-14	\$ 603,630	\$ -	\$ -	\$ 603,630	\$ 2,549,100	\$ -	\$ -	\$ 2,773,270	\$ 6,126,000
SWFWMD	Oldsmar Reclaimed Water Distribution	Oldsmar, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission and distribution infrastructure	Complete	October-2008	December-2009	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.07	0.07	N/A	\$ -	2007-08	2008-09	\$ 76,000	\$ -	\$ -	\$ 76,000	\$ 295,500	\$ -	\$ -	\$ 295,500	\$ 667,000
SWFWMD	Dade City Little Everglades Ranch Reclaimed Water	Dade City, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission, storage and pumping to supply Little Everglades Ranch	Complete	September-2012	October-2014	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.14	0.50	2.00	\$ -	2007-08	2009-10	\$ 59,621	\$ -	\$ -	\$ 59,621	\$ 1,892,409	\$ -	\$ -	\$ 1,892,410	\$ 3,844,440
SWFWMD	Zephyrhills Reclaimed Water Expansion	Zephyrhills, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission and distribution infrastructure	Complete	December-2008	September-2009	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.01	0.01	N/A	\$ -	2007-08	2007-08	\$ 16,547	\$ -	\$ -	\$ 16,547	\$ 42,045	\$ -	\$ -	\$ 42,045	\$ 100,637
SWFWMD	City of Tarpon Springs Brackish Groundwater System	Tarpon Springs, City of	Brackish Groundwater	No	Design, permitting and construction of a 5 mgd brackish groundwater RO system	Complete	September-2012	December-2015	Floridan Aquifer	Northern Tampa Bay Recovery	3.00	5.00	N/A	N/A	N/A	\$ -	2007-08	2010-11	\$ -	\$ -	\$ -	\$ -	\$ 20,141,895	\$ -	\$ -	\$ 22,246,781	\$ 42,388,676
SWFWMD	Englewood Water District Park Forest Reuse Transmission	Englewood Water District	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission and distribution infrastructure	Complete	December-2008	April-2009	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.04	0.04	N/A	\$ -	2007-08	2007-08	\$ 5,000	\$ -	\$ -	\$ 5,000	\$ 117,500	\$ -	\$ -	\$ 117,500	\$ 240,000
SWFWMD	Aqua Utilities Lakewood Ranch East Reuse	Aqua Utilities	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission and pumping infrastructure	Complete	January-2009	August-2009	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.70	1.50	N/A	\$ -	2007-08	2008-09	\$ 167,400	\$ -	\$ -	\$ 167,400	\$ 1,050,587	\$ -	\$ -	\$ 1,050,587	\$ 2,268,574
SWFWMD	Oldsmar Brackish Alternative Water Supply	Oldsmar, City of	Brackish Groundwater	No	Design, permitting and construction of a network of brackish groundwater production wells to feed into a 2 mgd reverse osmosis water treatment plant	Complete	December-2010	December-2012	Floridan Aquifer	Northern Tampa Bay Recovery	1.71	2.00	N/A	N/A	N/A	\$ -	2008-09	2009-10	\$ -	\$ -	\$ -	\$ -	\$ 9,146,460	\$ -	\$ -	\$ 10,961,837	\$ 20,108,297
SWFWMD	Haines City Southern Area Reuse	Haines City	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission and pumping infrastructure	Complete	November-2009	March-2011	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.13	0.31	N/A	\$ -	2005-06	2010-11	\$ 610,280	\$ -	\$ -	\$ 610,280	\$ 1,468,971	\$ -	\$ -	\$ 1,468,971	\$ 3,548,222
SWFWMD	North Port Brackish RO System	North Port, City of	Brackish Groundwater	No	Design, permitting and construction of a network of brackish groundwater production wells and a 1.5 mgd reverse osmosis water treatment plant	Complete	May-2010	June-2013	Floridan Aquifer	SWUCA Recovery	1.20	1.50	N/A	N/A	N/A	\$ -	2008-09	2011-12	\$ -	\$ -	\$ -	\$ -	\$ 1,400,000	\$ -	\$ -	\$ 10,198,782	\$ 11,598,782
SWFWMD	North Port Reclaimed Storage and Pump Station	North Port, City of	Reclaimed Water	No	Construction of a 2.5 mg tank and a 3.3 mgd pump station	Complete	July-2008	May-2010	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.30	0.30	2.50	\$ -	2008-09	2009-10	\$ -	\$ -	\$ -	\$ -	\$ 933,670	\$ -	\$ -	\$ 933,671	\$ 1,867,341
SWFWMD	Clearwater Glen Oaks-Palmetto Reuse	Clearwater, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission and distribution infrastructure	Complete	December-2010	March-2013	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.55	0.55	N/A	\$ -	2008-09	2011-12	\$ -	\$ -	\$ -	\$ -	\$ 1,653,210	\$ -	\$ -	\$ 1,653,211	\$ 3,306,421
SWFWMD	Pasco County Reclaimed Water Supply to St. Leo University	Pasco County	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission, storage and pumping infrastructure	Complete	March-2013	December-2013	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.05	0.05	0.32	\$ -	2009-10	2009-10	\$ -	\$ -	\$ -	\$ -	\$ 359,981	\$ -	\$ -	\$ 359,981	\$ 719,962
SWFWMD	Clearwater Harbor Reuse	Clearwater, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission and distribution infrastructure	Complete	March-2011	December-2014	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.20	0.20	N/A	\$ -	2009-10	2011-12	\$ -	\$ -	\$ -	\$ -	\$ 785,900	\$ -	\$ -	\$ 785,900	\$ 1,571,800
SWFWMD	Clearwater 5 mgd Brackish RO System #2	Clearwater, City of	Brackish Groundwater	No	Design and construction of the City's second RO facility and wellfield to produce up to 5.0 mgd of potable water supply	Complete	May-2014	December-2016	Floridan Aquifer	Northern Tampa Bay Recovery	0.00	5.00	N/A	N/A	N/A	\$ -	2009-10	2014-15	\$ -	\$ -	\$ -	\$ -	\$ 15,216,890	\$ -	\$ -	\$ 26,983,110	\$ 42,200,000
SWFWMD	Clearwater Indirect Potable Reuse Recharge Feasibility	Clearwater, City of	Groundwater Recharge (not including ASR)	No	Feasibility and Pilot testing facility for reclaimed water injection to increase potable groundwater supplies.	Complete	January-2013	August-2014	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2009-10	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 1,536,250	\$ -	\$ -	\$ 1,536,250	\$ 3,072,500
SWFWMD	Oldsmar Reclaimed Water ASR	Oldsmar, City of	Aquifer Storage and Recovery (ASR)	No	Design, permitting and construction of an exploratory pilot reclaimed water ASR well	Complete	January-2010	May-2011	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2009-10	2009-10	\$ -	\$ -	\$ -	\$ -	\$ 168,713	\$ -	\$ -	\$ 168,713	\$ 337,426
SWFWMD	Englewood Water District Reuse Reservoir	Englewood Water District	Reclaimed Water	No	Design, permitting and construction of reclaimed water reservoir modifications	Complete	December-2010	November-2012	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	0.41	\$ -	2009-10	2009-10	\$ -	\$ -	\$ -	\$ -	\$ 37,591	\$ -	\$ -	\$ 37,591	\$ 75,182
SWFWMD	Tarpon Springs Reuse Master Plan	Tarpon Springs, City of	Reclaimed Water	No	Reclaimed water master plan	Complete	March-2011	June-2012	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2010-11	2010-11	\$ -	\$ -	\$ -	\$ -	\$ 44,988	\$ -	\$ -	\$ 44,988	\$ 89,976
SWFWMD	North Port Reclaimed Water Transmission Expansion	North Port, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission infrastructure to parks, schools and non-residential irrigation customers	Complete	March-2013	June-2014	Floridan Aquifer	SWUCA Recovery	N/A	N/A	1.30	0.18	N/A	\$ -	2010-11	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 1,571,577	\$ -	\$ -	\$ 1,571,577	\$ 3,143,154
SWFWMD	Winter Haven Reuse Recharge Study	Winter Haven, City of	Reclaimed Water	No	Reclaimed water recharge study	Complete	April-2011	December-2012	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2010-11	2010-11	\$ -	\$ -	\$ -	\$ -	\$ 99,946	\$ -	\$ -	\$ 99,946	\$ 199,892
SWFWMD	Hillsborough County SHARP Reclaimed Water Recharge	Hillsborough County	Groundwater Recharge (not including ASR)	No	Design, permitting and construction of a 2 mgd aquifer recharge system and a one-year aquifer recharge pilot study.	Construction	November-2012	TBD	Floridan Aquifer	SWUCA Recovery	N/A	N/A	2.00	2.00	N/A	\$ -	2010-11	2016-17	\$ -	\$ -	\$ -	\$ -	\$ 1,382,500	\$ -	\$ -	\$ 1,382,500	\$ 2,765,000
SWFWMD	Riverwood to Charlotte County Reuse Interconnect	Riverwood Utilities	Reclaimed Water	No	Design, permitting and construction of an interconnect between Riverwood and Charlotte County reuse systems	Complete	November-2011	November-2012	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.62	0.66	N/A	\$ -	2010-11	2011-12	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ 350,000	\$ 700,000
SWFWMD	Lake Wales County Club Golf Course Reuse	Lake Wales, City of	Reclaimed Water	No	Design, permitting and construction of transmission infrastructure to supply the Lake Wales Country Club	Complete	May-2012	November-2012	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.21	0.35	N/A	\$ -	2011-12	2012-13	\$ -	\$ -	\$ -	\$ -	\$ 260,807	\$ -	\$ -	\$ 260,807	\$ 782,421
SWFWMD	Braden River Utilities to City of Bradenton Reclaimed Water Trans/Pump/Storage	Braden River Utilities	Reclaimed Water	No	Design, permitting and construction of transmission, storage and pumping infrastructure to receive reclaimed water from the City of Bradenton	Complete	March-2013	December-2014	Floridan Aquifer	SWUCA Recovery	N/A	N/A	1.38	5.00	20.00	\$ -	2011-12	2012-13	\$ -	\$ -	\$ -	\$ -	\$ 6,768,601	\$ -	\$ -	\$ 6,768,601	\$ 13,537,202
SWFWMD	Winter Haven #3 Reclaimed Water Trans/Pump/Storage	Winter Haven, City of	Reclaimed Water	No	Design, permitting and construction of transmission, storage and pumping infrastructure to interconnect the City's South and North systems	Construction	October-2013	December-2023	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.00	0.30	5.00	\$ -	2011-12	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 2,750,000	\$ -	\$ -	\$ 6,716,000	\$ 9,466,000
SWFWMD	Manatee Meadows Reclaimed Water	Manatee County	Reclaimed Water	No	Design, permitting and construction of transmission infrastructure to supply the Country Meadows Development	Complete	January-2013	April-2013	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.07	0.07	N/A	\$ -	2011-12	2011-12	\$ -	\$ -	\$ -	\$ -	\$ 130,753	\$ -	\$ -	\$ 130,753	\$ 261,506
SWFWMD	Riverwood Reuse Expansion	Riverwood Utilities	Reclaimed Water	No	Design, permitting and construction of pumping, metering, filtering and connections to supply additional residential irrigation customers	Complete	November-2011	November-2012	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.13	0.13	N/A	\$ -	2011-12	2011-12	\$ -	\$ -	\$ -	\$ -	\$ 304,000	\$ -	\$ -	\$ 304,000	\$ 608,000
SWFWMD	Braden River Utilities to City of Sarasota Reclaimed Trans/Pump	Braden River Utilities	Reclaimed Water	No	Design, permitting and construction of transmission and pumping infrastructure to receive reclaimed water from the City of Sarasota	Complete	March-2012	June-2014	Floridan Aquifer	SWUCA Recovery	N/A	N/A	2.10	2.00	N/A	\$ -	2011-12	2011-12	\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ 750,000	\$ 1,500,000
SWFWMD	Florida Governmental Utility Authority Pasco Reclaimed Water Interconnect/Storage/Pumping	Florida Governmental Utility Authority	Reclaimed Water	No	Design, permitting and construction of interconnect with Pasco County a 3.0 MG tank and pump station for the Seven Springs WWTP	Complete	April-2012	December-2014	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.33	0.50	3.00	\$ -	2011-12	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 1,173,596	\$ -	\$ -	\$ 1,173,596	\$ 2,347,192
SWFWMD	Pasco County Reclaimed Water Master Plan Update	Pasco County	Reclaimed Water	No	Reclaimed Water Master Plan update	Complete	May-2012	May-2014	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2011-12	2011-12	\$ -	\$ -	\$ -	\$ -	\$ 88,996	\$ -	\$ -	\$ 88,996	\$ 177,992
SWFWMD	Sarasota County Reclaimed Water Master Plan Update	Sarasota County	Reclaimed Water	No	Reclaimed Water Master Plan update	Complete	December-2011	December-2012	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2011-12	2011-12	\$ -	\$ -	\$ -	\$ -	\$ 96,380	\$ -	\$ -	\$ 96,380	\$ 192,760
SWFWMD	Oldsmar Reclaimed Water ASR	Oldsmar, City of	Aquifer Storage and Recovery (ASR)	No	Design, permitting and construction of a reclaimed water test ASR	Complete	March-2013	December-2017	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2011-12	2015-16	\$ -	\$ -	\$ -	\$ -	\$ 416,171	\$ -	\$ -	\$ 416,171	\$ 832,342
SWFWMD	Peace River Manasota Regional Water Supply Authority Phase 1 Loop	Peace River/Manasota Regional Water Supply Authority	Surface Water	No	Design, permitting and construction of an interconnect between Punta Gorda and the regional system	Construction	August-2015	December-2019	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2011-12	2016-17	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ -	\$ -	\$ 2,000,000	\$ 12,0

Water Management District	Project Name	Lead Entity	Project Type	Land Acquisition Component	Project Description	Project Status	Beginning Date	Completion Date	MFL Supported	MFL Recovery or Prevention Strategy	Quantity of Water Made Available to date (MGD)	Quantity of Water Made Available upon Completion (MGD)	Reuse Flow Made Available to date (MGD)	Reuse Flow Made Available upon Project Completion (MGD)	Storage Capacity Created (MG)	Projected Funding	Initial fiscal year funded	Most recent fiscal year funded	WSPS Funding	Springs Funding	Other state funding	Total State Funding	Total District Funding	Total Land Acquisition Funding by District or State	Project Sponsor Match	Project Total
SWFWMD	Pasco County Beacon Point Residential Reuse	Pasco County	Reclaimed Water	No	Design, permitting and construction of a distribution system in Beacon Woods East	Complete	September-2013	May-2014	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.07	0.07	N/A	\$ -	2012-13	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 200,000
SWFWMD	City of Bradenton Surface Water ASR	Bradenton, City of	Aquifer Storage and Recovery (ASR)	No	Design, permitting and construction of a 1.0 MGD ASR system	Construction	October-2015	December-2020	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	150.00	\$ -	2012-13	2017-18	\$ -	\$ -	\$ -	\$ -	\$ 2,350,000	\$ -	\$ 2,350,000	\$ 4,700,000
SWFWMD	Pasco County Seven Springs Golf and Country Club Reuse	Pasco County	Reclaimed Water	No	Design, permitting and construction of reclaimed water storage pond and pump station	Complete	June-2015	June-2016	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.08	0.50	0.50	\$ -	2012-13	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000	\$ 600,000
SWFWMD	City of Venice Reclaimed Water Storage Tank	Venice, City of	Reclaimed Water	No	Design, permitting and construction of a 7.5 MG reclaimed water storage tank	Complete	August-2013	July-2014	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	7.50	\$ -	2012-13	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 1,444,989	\$ -	\$ 1,444,989	\$ 2,889,978
SWFWMD	City of Avon Park Reuse Master Plan	Avon Park, City of	Reclaimed Water	No	Reclaimed Water Master Plan	Complete	March-2013	December-2013	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2012-13	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 18,750	\$ -	\$ 6,250	\$ 25,000
SWFWMD	City of New Port Richey Meadowlawn Cemetery Reuse	New Port Richey, City of	Reclaimed Water	No	Design, permitting and construction of transmission main to cemetery	Complete	October-2013	July-2014	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.09	0.08	N/A	\$ -	2012-13	2012-13	\$ -	\$ -	\$ -	\$ -	\$ 214,000	\$ -	\$ 214,000	\$ 428,000
SWFWMD	Pasco County Groves Golf Course Reuse Project	Pasco County	Reclaimed Water	No	Design, permitting and construction of supply to golf course	Complete	May-2014	March-2015	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.34	0.25	N/A	\$ -	2012-13	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 325,017	\$ 425,017
SWFWMD	Pasco County Meadowpoint Reuse Transmission	Pasco County	Reclaimed Water	No	Design, permitting and construction of a reclaimed water transmission line	Complete	July-2014	December-2014	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2012-13	2014-15	\$ -	\$ -	\$ -	\$ -	\$ 990,000	\$ -	\$ 990,000	\$ 1,980,000
SWFWMD	Pasco County Covanta Power Plant Reuse	Pasco County	Reclaimed Water	No	Design, permitting and construction of advanced reclaimed water treatment at the Pasco County Waste to Energy facility	Complete	June-2014	December-2014	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.10	0.47	N/A	\$ -	2012-13	2012-13	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ 900,000	\$ 1,800,000
SWFWMD	City of Temple Terrace Northeast Hillsborough Reclaimed Water Master Plan	Temple Terrace, City of	Reclaimed Water	No	Reclaimed Water Master Plan with Temple Terrace, Hillsborough County, Plant City and Tampa	Complete	October-2012	January-2014	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2012-13	2012-13	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000	\$ 100,000
SWFWMD	Manatee County Southeast Reclaimed Tank and Pump Station	Manatee County	Reclaimed Water	No	Design, permitting and construction of a 10 MGD pump station and 10 MG storage tank at Southeast facility	Complete	October-2014	December-2016	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	10.00	\$ -	2012-13	2014-15	\$ -	\$ -	\$ -	\$ -	\$ 4,408,747	\$ -	\$ 4,408,747	\$ 8,817,494
SWFWMD	City of Tarpon Springs Reclaimed Water Storage and Pumping	Tarpon Springs, City of	Reclaimed Water	No	Design, permitting and construction of 5.0 MG storage tank and pump station	Complete	March-2014	December-2016	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	5.00	\$ -	2012-13	2014-15	\$ -	\$ -	\$ -	\$ -	\$ 2,284,997	\$ -	\$ 2,284,997	\$ 4,569,994
SWFWMD	City of Venice Reclaimed Water Filtration	Venice, City of	Reclaimed Water	No	Design, permitting and construction of a reclaimed water pond filtration system	Complete	September-2014	August-2015	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2013-14	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 780,000	\$ -	\$ 780,000	\$ 1,560,000
SWFWMD	Pasco County Handcart Road Pump Station	Pasco County	Reclaimed Water	No	Design, permitting and construction of a 1.0 MGD pump station	Complete	February-2014	February-2015	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2013-14	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ 125,000	\$ 250,000
SWFWMD	City of Auburndale Polytechnic University Reclaimed Water	Auburndale, City of	Reclaimed Water	No	Design, permitting and construction of a 2.0 MGD pump station, 2.0 MG storage tank and transmission mains	Construction	February-2016	December-2018	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.00	1.50	2.00	\$ -	2013-14	2015-16	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ 1,500,000	\$ 3,000,000
SWFWMD	Pasco County Heritage Pines Reuse	Pasco County	Reclaimed Water	No	Design, permitting and construction of transmission and distribution to Heritage Pines residential	Complete	June-2015	December-2016	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.43	0.43	N/A	\$ -	2013-14	2014-15	\$ -	\$ -	\$ -	\$ -	\$ 483,300	\$ -	\$ 483,300	\$ 1,266,600
SWFWMD	City of Plant City Reclaimed Storage Study	Plant City, City of	Reclaimed Water	No	Reclaimed storage study	Complete	May-2014	May-2016	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2013-14	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ 20,000	\$ 40,000
SWFWMD	City of Duncedin Reclaimed Storage, Pumping and Transmission	Duncedin, City of	Reclaimed Water	No	Design, permitting and construction of 2.0 MGD pump station, 2.0 MG storage tank and transmission main	Construction	July-2014	September-2017	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.10	0.10	2.00	\$ -	2013-14	2015-16	\$ -	\$ -	\$ -	\$ -	\$ 1,082,910	\$ -	\$ 1,082,910	\$ 2,165,820
SWFWMD	Charlotte County Reclaimed Water Phase 3	Charlotte County	Reclaimed Water	No	Design, permitting and construction of reclaimed storage, pumping and transmission in western Charlotte County	Construction	October-2016	December-2018	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.00	2.23	95.00	\$ -	2013-14	2017-18	\$ -	\$ -	\$ -	\$ -	\$ 4,715,000	\$ -	\$ 4,715,000	\$ 9,430,000
SWFWMD	City of Clearwater Resident Initiated Reclaimed Expansion	Clearwater, City of	Reclaimed Water	No	Design, permitting and construction of residential distribution mains	Complete	June-2015	September-2016	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.08	0.08	N/A	\$ -	2013-14	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ -	\$ 750,000	\$ 1,500,000
SWFWMD	City of Belleair Brackish Groundwater Study	Belleair, City of	Brackish Groundwater	No	Brackish groundwater study	Complete	October-2013	February-2016	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2013-14	2013-14	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 200,000
SWFWMD	City of Punta Gorda Brackish Groundwater Study and Pilot Project	Punta Gorda, City of	Brackish Groundwater	No	Brackish groundwater study and pilot project	Design	April-2018	July-2021	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2014-15	2014-15	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ 1,500,000	\$ 3,000,000
SWFWMD	Hillsborough County/Tampa/Plant City/Temple Terrace Reclaimed Recharge Study	Hillsborough County	Reclaimed Water	No	Recharge study for the eastern Hillsborough County area	Complete	March-2015	December-2016	Floridan Aquifer	SWUCA Recovery, Dover/Plant City WUCA	N/A	N/A	N/A	N/A	N/A	\$ -	2014-15	2014-15	\$ -	\$ -	\$ -	\$ -	\$ 162,500	\$ -	\$ 162,500	\$ 325,000
SWFWMD	City of Venice to Sarasota County Reuse Interconnect Study	Venice, City of	Reclaimed Water	No	Study of interconnect between City of Venice and Sarasota County reuse systems	Complete	October-2014	July-2015	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2014-15	2014-15	\$ -	\$ -	\$ -	\$ -	\$ 23,110	\$ -	\$ 23,110	\$ 46,220
SWFWMD	Charlotte County Burnt Store Brackish Desal Study	Charlotte County	Brackish Groundwater	No	Brackish groundwater study in southern Charlotte County	Complete	October-2014	June-2017	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2014-15	2015-16	\$ -	\$ -	\$ -	\$ -	\$ 172,500	\$ -	\$ 227,500	\$ 400,000
SWFWMD	Pasco County Crews Lake Restoration	Pasco County	Groundwater Recharge (not including ASR)	No	Design, permitting and construction of wetlands to recharge/restore Crews Lake	Design	September-2018	April-2020	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.00	3.60	N/A	\$ -	2014-15	2017-18	\$ -	\$ -	\$ -	\$ -	\$ 2,124,442	\$ -	\$ 2,124,442	\$ 8,497,770
SWFWMD	Pasco County Shady Hills Storage	Pasco County	Reclaimed Water	No	Design, permitting and construction of a 5 mg reclaimed water storage tank	Complete	October-2015	May-2016	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	5.00	\$ -	2014-15	2015-16	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 2,000,000
SWFWMD	City of Clearwater Groundwater Replenishment	Clearwater, City of	Reclaimed Water	No	Design, permitting and construction of an indirect potable reuse project in Clearwater	Construction	October-2016	December-2021	Floridan Aquifer	Northern Tampa Bay Recovery	0.00	2.40	N/A	N/A	N/A	\$ -	2014-15	2017-18	\$ -	\$ -	\$ -	\$ -	\$ 12,185,600	\$ -	\$ 16,358,000	\$ 32,716,000
SWFWMD	Pasco County 4-G Wetland Treatment and Aquifer Recharge	Pasco County	Groundwater Recharge (not including ASR)	No	Design, permitting and construction of infiltrating reclaimed water wetlands in Central Pasco County next to TBW Cross Bar Wellfield	Complete	May-2016	December-2017	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	2.20	2.20	N/A	\$ -	2014-15	2016-17	\$ -	\$ -	\$ -	\$ -	\$ 7,150,483	\$ -	\$ 7,150,483	\$ 14,300,966
SWFWMD	North Port Reclaimed Water Phase 3	North Port, City of	Reclaimed Water	No	Design, permitting and construction of reclaimed water transmission infrastructure to parks, commercial and residential irrigation customers	Construction	April-2017	December-2018	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.00	0.36	N/A	\$ -	2014-15	2016-17	\$ 18,840	\$ -	\$ -	\$ 18,840	\$ 650,580	\$ -	\$ 650,580	\$ 1,320,000
SWFWMD	Pasco County Starkey Reuse A	Pasco County	Reclaimed Water	No	Construction of reclaimed water transmission infrastructure	Complete	May-2014	June-2016	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.42	0.42	N/A	\$ -	2013-14	2016-17	\$ -	\$ -	\$ -	\$ -	\$ 610,830	\$ -	\$ 610,830	\$ 1,221,660
SWFWMD	Peace River Manasota Regional Water Supply Authority 3.0 MGD Phase 1 Treatment	Peace River/Manasota Regional Water Supply Authority	Surface Water	No	Design, permitting and construction of a 3.0 MGD treatment expansion	Complete	October-2014	December-2016	Floridan Aquifer	SWUCA Recovery	3.00	3.00	N/A	N/A	N/A	\$ -	2013-14	2014-15	\$ -	\$ -	\$ 1,500,000	\$ 1,500,000	\$ 750,000	\$ -	\$ 750,000	\$ 3,000,000
SWFWMD	City of Bradenton Reclaimed Water Pump Station	Bradenton, City of	Reclaimed Water	No	Construction of 2.0 MGD pumping station	Complete	October-2015	December-2016	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2015-16	2015-16	\$ -	\$ -	\$ -	\$ -	\$ 332,000	\$ -	\$ 332,000	\$ 664,000
SWFWMD	Pasco County Tampa Bay Golf and Country Club Reuse	Pasco County	Reclaimed Water	No	Design, permitting and construction of reuse infrastructure to a golf course	Complete	January-2017	December-2017	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.00	0.10	N/A	\$ -	2015-16	2015-16	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 150,000	\$ 300,000
SWFWMD	Braden River Utilities Reclaimed Water Transmission and Storage	Braden River Utilities	Reclaimed Water	No	Design, permitting and construction of reuse transmission, storage and treatment	Construction	June-2016	December-2019	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.00	1.00	11.40	\$ -	2015-16	2017-18	\$ -	\$ -	\$ -	\$ -	\$ 2,300,000	\$ -	\$ 2,300,000	\$ 4,600,000
SWFWMD	Pasco County Starkey Reuse B	Pasco County	Reclaimed Water	No	Design, permitting and construction of reuse infrastructure to a new development	Construction	January-2017	December-2018	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.00	0.41	N/A	\$ -	2015-16	2017-18	\$ -	\$ -	\$ -	\$ -	\$ 955,000	\$ -	\$ 955,000	\$ 1,910,000
SWFWMD	City of Tampa Reclaimed Water Augmentation Study (TAP)	Tampa, City of	Reclaimed Water	No	Study of beneficial recharge of 20 MGD of reclaimed water	Construction	October-2015	October-2018	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2015-16	2016-17	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ 1,500,000	\$ 3,000,000
SWFWMD	Hillsborough City of Tampa/Plant City Reclaimed Recharge Modeling Study	Hillsborough County	Reclaimed Water	No	Modeling and evaluation of reclaimed recharge sites in eastern Hillsborough County	Design	October-2016	December-2019	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	2016-17	2017-18	\$ -	\$ -	\$ -	\$ -	\$ 450,000	\$ -	\$ 450,000	\$ 900,000
SWFWMD	Polk County NERUSA Loughman and Ridgewood Reclaimed Water	Polk County	Reclaimed Water	No	Design, permitting and construction of reclaimed water infrastructure in northeast Polk County	Design	May-2018	December-2019	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.00	0.35	N/A	\$ -	2016-17	2017-18	\$ -	\$ -	\$ -	\$ -	\$ 1,252,500	\$ -	\$ 1,252,500	\$ 2,505,000
SWFWMD	Hillsborough County 19th Avenue Reuse	Hillsborough County	Reclaimed Water	No	Construction of reuse infrastructure for Harbour Isle and Waterset South developments	Construction	September-2017	December-2019	Floridan Aquifer	SWUCA Recovery	N/A	N/A	0.00	1.20	N/A	\$ -	2016-17	2017-18	\$ -	\$ -	\$ -	\$ -	\$ 2,713,671	\$ -	\$ 2,713,672	\$ 5,427,343
SWFWMD	Pasco County Bexley South Phase 2	Pasco County	Reclaimed Water	No	Design, permitting and construction of reuse infrastructure	Construction	March-2017	December-2018	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.00	0.20	N/A	\$ -	2016-17	2016-17	\$ -	\$ -	\$ -	\$ -	\$ 112,500	\$ -	\$ 112,500	\$ 225,000
SWFWMD	City of Punta Gorda Brackish Groundwater RO	Punta Gorda, City of	Brackish Groundwater	No	Design, permitting and construction of 4.0 MGD brackish groundwater RO facility	Design	April-2018	December-2020	Floridan Aquifer	SWUCA Recovery	0.00	4.00	N/A	N/A	2.00	\$ -	2016-17	2017-18	\$ -	\$ -	\$ 900,000	\$ 900,000	\$ 9,075,000	\$ -	\$ 15,650,000	\$ 32,200,000
SWFWMD	Pasco County Starkey Reuse C	Pasco County	Reclaimed Water	No	Design, permitting and construction of reuse infrastructure	Construction	December-2017	December-2020	Floridan Aquifer	Northern Tampa Bay Recovery	N/A	N/A	0.00	0.29	N/A	\$ -	2016-17	2017-18	\$ -	\$ -</						

Water Management District	Project Name	Lead Entity	Project Type	Land Acquisition Component	Project Description	Project Status	Beginning Date	Completion Date	MFL Supported	MFL Recovery or Prevention Strategy	Quantity of Water Made Available to date (MGD)	Quantity of Water Made Available upon Completion (MGD)	Reuse Flow Made Available to date (MGD)	Reuse Flow Made Available upon Project Completion (MGD)	Storage Capacity Created (MG)	Projected Funding	Initial fiscal year funded	Most recent fiscal year funded	WSPS Funding	Springs Funding	Other state funding	Total State Funding	Total District Funding	Total Land Acquisition Funding by District or State	Project Sponsor Match	Project Total	
SWFWMD	Peace River to Lakewood Ranch Interconnect Phase 3D	Peace River Manasota Regional Water Supply Authority	Surface Water	No	Potable utility interconnect	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ 15,383,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,383,000	
SWFWMD	Peace River to Burnt Store Interconnect Phase 4	Peace River Manasota Regional Water Supply Authority	Surface Water	No	Potable utility interconnect	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ 27,505,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,505,000	
SWFWMD	Peace River Brackish Wellfield	Peace River Manasota Regional Water Supply Authority	Brackish Groundwater	No	Brackish groundwater development	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	5.00	N/A	N/A	N/A	\$ 34,300,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,300,000	
SWFWMD	Venice Brackish Facility Expansion	Venice, City of	Brackish Groundwater	No	Brackish groundwater expansion	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	2.50	N/A	N/A	N/A	\$ 32,970,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,970,000	
SWFWMD	DeSoto County Brackish Wellfield at DeSoto Correctional Facility	Peace River Manasota Regional Water Supply Authority, DeSoto County	Brackish Groundwater	No	Brackish groundwater development	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	5.00	N/A	N/A	N/A	\$ 40,100,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,100,000	
SWFWMD	Shell Creek Brackish Wellfield	Punta Gorda, City of	Brackish Groundwater	No	Brackish groundwater development	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	4.00	N/A	N/A	N/A	\$ 32,400,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,400,000	
SWFWMD	Manatee County Buffalo Creek Brackish Wellfield	Manatee County	Brackish Groundwater	No	Brackish groundwater development	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	3.00	N/A	N/A	N/A	\$ 25,500,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,500,000	
SWFWMD	North Port West Village Brackish Wellfield	North Port, City of	Brackish Groundwater	No	Brackish groundwater development	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	2.03	N/A	N/A	N/A	\$ 16,500,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,500,000	
SWFWMD	Sarasota County University Parkway Brackish Wellfield	Sarasota County	Brackish Groundwater	No	Brackish groundwater development	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	2.00	N/A	N/A	N/A	TBD	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	
SWFWMD	Englewood Water District Brackish Reverse Osmosis	Englewood Water District	Brackish Groundwater	No	Brackish groundwater development	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	2.00	N/A	N/A	N/A	TBD	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	TBD	
SWFWMD	Port Manatee Seawater Desal	Peace River Manasota Regional Water Supply Authority, Manatee County	Desalination	No	Potable seawater desalination development	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	20.00	N/A	N/A	N/A	\$ 200,000,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000,000	
SWFWMD	Venice Seawater Desal	Peace River Manasota Regional Water Supply Authority, City of Venice	Desalination	No	Potable seawater desalination development	RWSP or RPS Option Only	N/A	N/A	Floridan Aquifer	SWUCA Recovery	N/A	20.00	N/A	N/A	N/A	\$ 194,200,000	N/A	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 194,200,000	
SWFWMD	City of Tampa Sulphur Spring Project	City of Tampa	Surface Water	No	Design, permitting and construction of operable weirs and pump station at Sulphur Springs	Complete	October-2008	March-2012	Hillsborough River	Lower Hillsborough River	11.60	13.57	N/A	N/A	N/A	\$ -	FY2008	FY2010	\$ -	\$ -	\$ -	\$ -	\$ 2,860,032	\$ -	\$ 2,860,273	\$ 5,740,305	
SWFWMD	City of Tampa Blue Sink Analysis and Project	City of Tampa	Surface Water	No	Design, permitting and construction of a pump station and pipeline from Blue Sink to Sulphur Springs	Complete	October-2008	May-2016	Hillsborough River	Lower Hillsborough River	3.10	3.10	N/A	N/A	N/A	\$ -	FY2008	FY2018	\$ -	\$ -	\$ -	\$ -	\$ 5,347,000	\$ -	\$ 5,438,500	\$ 10,785,500	
SWFWMD	City of Tampa-Transmission Pipeline Evaluation	City of Tampa	Surface Water	No	Evaluation of a pipeline from the Tampa Bypass Canal pool at S-161 to the base of the Hillsborough River Dam.	Complete	April-2010	October-2013	Hillsborough River	Lower Hillsborough River	0.00	0.00	N/A	N/A	N/A	\$ -	FY2007	FY2007	\$ -	\$ -	\$ -	\$ -	\$ 29,960	\$ -	\$ 29,960		
SWFWMD	City of Tampa-Investigation of Storage and Supply Options	City of Tampa	Surface Water	No	Investigation of storage and supply option to meet recovery plan objectives for the lower Hillsborough River.	Design	July-2010	October-2018	Hillsborough River	Lower Hillsborough River	0.00	0.00	N/A	N/A	N/A	\$ -	FY2015	FY2015	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000	\$ 100,000	
SWFWMD	SWFWMD Tampa Bypass Canal/Hillsborough River Reservoir Diversion	City of Tampa	Surface Water	No	Design, permitting and construction of control gate within the City of Tampa reservoir dam.	Construction	January-2018	June-2018	Hillsborough River	Lower Hillsborough River	5.40	7.10	N/A	N/A	N/A	\$ -	FY2015	FY2017	\$ -	\$ -	\$ -	\$ -	\$ 800,000	\$ -	\$ 800,000	\$ 2,300,000	
SWFWMD	SWFWMD Morris Bridge Sink Project	SWFWMD	Surface Water	No	Transfer of water from Morris Bridge Sink Tampa Bypass Canal	Complete	March-2006	N/A	Hillsborough River	Lower Hillsborough River	2.90	0.00	N/A	N/A	N/A	\$ -	FY2006	FY2017	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000	\$ 300,000	
SWFWMD	SWFWMD Lake Hancock Structure Raise Phase 1	SWFWMD	Surface Water	No	Design, permitting and construction of a 1.5 foot increase in the P-11 Lake Hancock control structure	Complete	November-2004	May-2014	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2003	FY2014	\$ 300,000	\$ -	\$ 1,660,472	\$ 1,960,472	\$ 4,423,051	\$ -	\$ 6,383,523		
SWFWMD	SWFWMD Lake Hancock Structure Raise Phase 2	SWFWMD	Surface Water	No	Design, permitting and construction of a 1.5 foot increase in the P-11 Lake Hancock control structure	Complete	April-2011	March-2014	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2003	FY2012	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,911,393	\$ -	\$ 2,911,393	
SWFWMD	SWFWMD Lake Hancock Land Acquisition	SWFWMD	Surface Water	No	Land acquisition in support of Lake Hancock level increase	Complete	October-2001	December-2012	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	1,938.00	\$ -	FY2001	FY2012	\$ -	\$ -	\$ -	\$ -	\$ 35,902,883	\$ 35,902,883	\$ -	\$ 35,902,883	
SWFWMD	Peace Creek Watershed Report and Implementation Plan	City of Winter Haven	Surface Water	No	Review of major prior Peace Creek related studies and plans	Complete	October-2015	September-2016	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2014	FY2014	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000	\$ 100,000	
SWFWMD	Peace Creek Canal Maintenance Assessment	Polk County	Surface Water	No	Evaluation of 34 miles of the Peace Creek system to prioritize maintenance needs	Complete	December-2004	March-2005	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2005	FY2005	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ 25,000	\$ 50,000	
SWFWMD	Phase 1 Peace Creek Canal Debris Removal	SWFWMD	Surface Water	No	Repair of berm and removal of trees near Peace River Estates	Complete	July-2005	July-2005	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2005	FY2005	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ -	\$ 10,000		
SWFWMD	SWFWMD Lake Hancock Land Acquisition Phase 2	SWFWMD	Surface Water	No	Land acquisition in support of Lake Hancock level increase	Complete	February-2006	November-2013	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2006	FY2014	\$ -	\$ -	\$ -	\$ -	\$ 60,024,372	\$ 60,024,372	\$ -	\$ 60,024,372	
SWFWMD	Peace River MFL Storage and Release Options	SWFWMD	Surface Water	No	Identification and evaluation of potential water resource development projects in the upper Peace River watershed above Zolfo Springs.	Complete	October-2004	December-2011	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2005	FY2005	\$ 250,000	\$ -	\$ 250,000	\$ 500,000	\$ 307,350	\$ -	\$ 807,350		
SWFWMD	Upper Peace River Corridor Acquisition	SWFWMD	Surface Water	No	Acquisition of Peace River corridor easements, rights and real property for water storage, recharge, and preservation.	Complete	October-2002	September-2012	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2001	FY2012	\$ -	\$ -	\$ -	\$ -	\$ 30,500,000	\$ 30,500,000	\$ -	\$ 30,500,000	
SWFWMD	Lake Hancock Outfall Treatment System	SWFWMD	Surface Water	No	Identification and evaluation of potential water resource development projects in the upper Peace River watershed above Zolfo Springs.	Complete	January-2004	June-2014	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2005	FY2016	\$ -	\$ -	\$ 22,586,628	\$ 22,586,628	\$ 1,722,805	\$ -	\$ 24,309,433		
SWFWMD	Evaluation of Berming Karst Features in Upper Peace River	SWFWMD	Surface Water	No	Feasibility of berming off Karst features in the Peace River to reduce low flow river losses.	Complete	April-2009	April-2011	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2009	FY2009	\$ -	\$ -	\$ -	\$ -	\$ 149,933	\$ -	\$ 149,933		
SWFWMD	Highlands Ridge Lake Augmentation-Lake Lotela	SWFWMD	Surface Water	No	Evaluation and design a pilot lake augmentation system at Lake Lotela, located in Highlands county and in the Southern Water Use Caution area (SWUCA).	Complete	December-2007	September-2011	Lake Lotela	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2006	FY2006	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000		
SWFWMD	Lake Jackson Watershed Study	Highlands County	Surface Water	No	The development of recovery strategy options to restore the low water level in Lake Jackson and Little Lake Jackson in an effort to meet the MFL.	Design	October-2015	TBD	Lake Jackson	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2014	FY2018	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 100,000	\$ 400,000		
SWFWMD	Lake Jackson Recovery Strategies	SWFWMD	Surface Water	No	Identification of lake level recovery strategies for Lake Jackson and Little Lake Jackson.	Complete	October-2004	April-2011	Lake Jackson	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2005	FY2006	\$ 151,078	\$ -	\$ -	\$ -	\$ 151,078	\$ 133,431	\$ -	\$ 30,000	\$ 314,509
SWFWMD	Polk Regional Water Cooperative Peace Creek Integrated Water Supply Plan	Polk Regional Water Cooperative	Surface Water	No	A feasibility study and the development of an integrated water supply plan that will identify potential water supply options for the Peace Creek.	Design	October-2017	TBD	Peace River	SWUCA Recovery	N/A	N/A	N/A	N/A	N/A	\$ -	FY2018	FY2018	\$ -	\$ -	\$ -	\$ -	\$ 950,000	\$ -	\$ 950,000	\$ 1,900,000	
SWFWMD	Grand Total	Subtotal									77.38	523.93	31.60	218.43	10,101.73	\$ 7,061,916,500			\$ 54,446,223	\$ -	\$ 45,066,851	\$ 99,513,074	\$ 662,838,555	\$ 126,427,255	\$ 592,555,996	\$ 8,483,429,487	
		Grand Total									80.27	620.17	48.30	243.18	10,104.84	\$ 7,309,080,900			\$ 54,446,223	\$ 14,088,000	\$ 89,296,851	\$ 157,831,074	\$ 682,612,664	\$ 126,427,255	\$ 624,612,911	\$ 8,595,036,521	

MFL Waterbody	Project Name ^a	State Funding	Federal Funding	Total Funding	Project Phase (Status)	Water Storage Created (Acre-Feet) ^b
Lake Okeechobee	Lake Okeechobee Watershed Restoration Project (Includes aboveground storage and ASR)	TBD	TBD	TBD	Planning	TBD
Caloosahatchee River	Caloosahatchee River (C-43) West Basin Storage Reservoir (Includes testing completed for ASR)	\$127,038,873	\$36,845,616	\$163,893,489 ^c	Construction	170,000
Loxahatchee River	Loxahatchee River Watershed Restoration Project	TBD	TBD	TBD	Planning	TBD
Everglades	Central Everglades Planning Project (CEPP) (Includes ENP Seepage Management)	\$7,018,468	\$12,201,369	\$19,219,837	Design	120,000
Everglades	Post Authorization Change Report for CEPP – Everglades Agricultural Area Storage Reservoir Project	TBD	TBD	TBD	Planning	300,000
Everglades	Broward County Water Preserve Areas	\$263,247,325	\$63,633,518	\$326,880,843	Design	20,000
Everglades	C-111 Spreader Canal Projects ^d	\$49,913,227	\$12,693,854	\$62,607,081	Operations	1,500

a. Only those CERP projects that produce new water and are associated with an MFL recovery strategy (e.g., aboveground storage, ASR, etc.) are listed in the table.

b. TBD = To Be Determined means the federal and state funding along with the quantity of new water produced with this project has not yet been determined. This information will be revised once the final plan for the project has been formulated through the planning process.

c. Reflects the total state and federal funding reported to the United States Army Corps of Engineers as of September 30, 2017. The expenditures required to complete the project in 2022 are expected to be approximately \$600 million.

d. Project with storage feature creates hydraulic ridge adjacent to natural areas reducing seepage losses keeping more of the natural rainfall and water flows within natural areas.

Appendix G: Minimum Flows and Minimum Water Levels Recovery and Prevention Strategies

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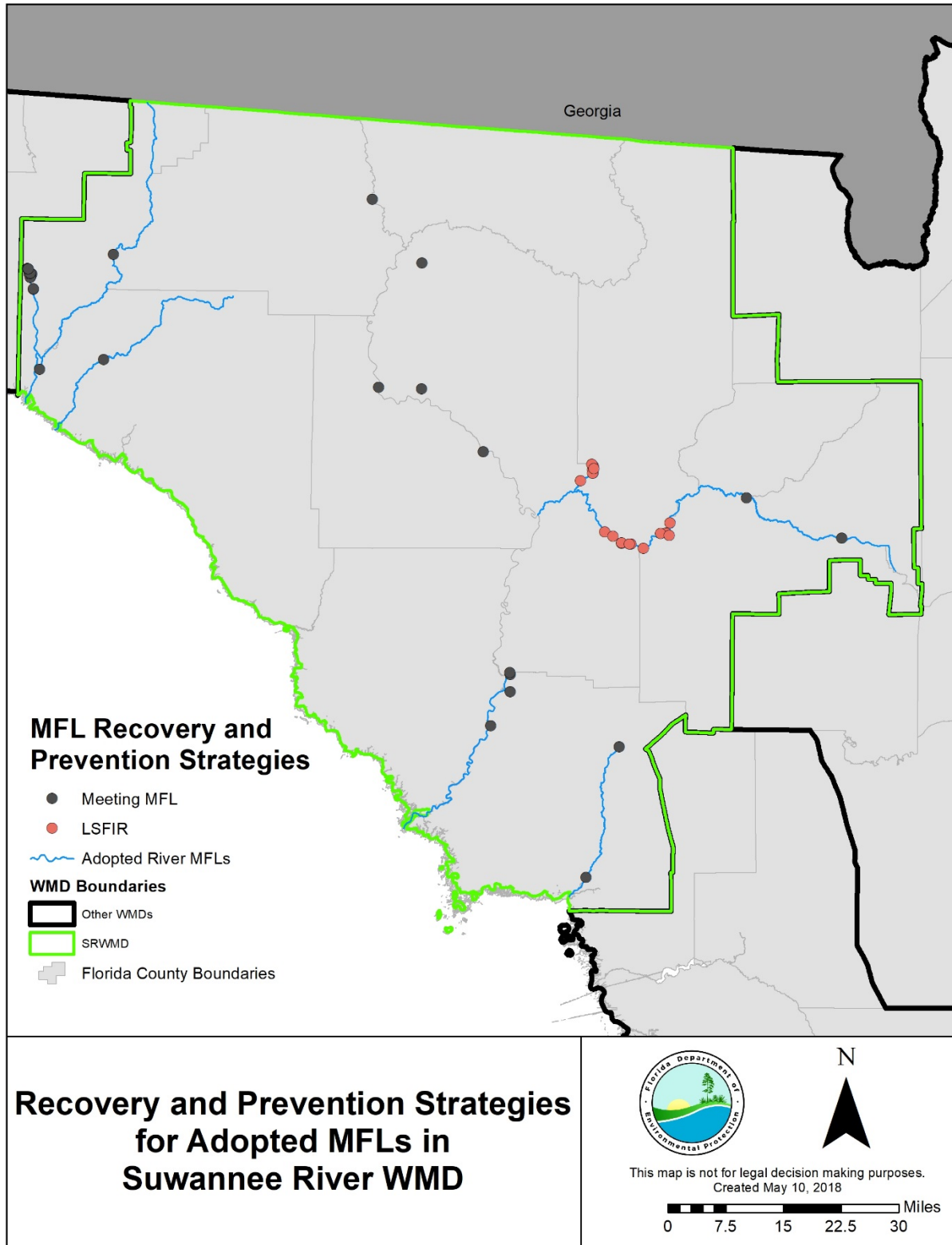
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Suwannee River Water Management District

The SRWMD, in coordination with the SJRWMD and DEP, identified 18 waterbodies as being in recovery and has approved the Lower Santa Fe and Ichetucknee River and Priority Springs (LSFI) Recovery Strategy as the means to recover these waterbodies.

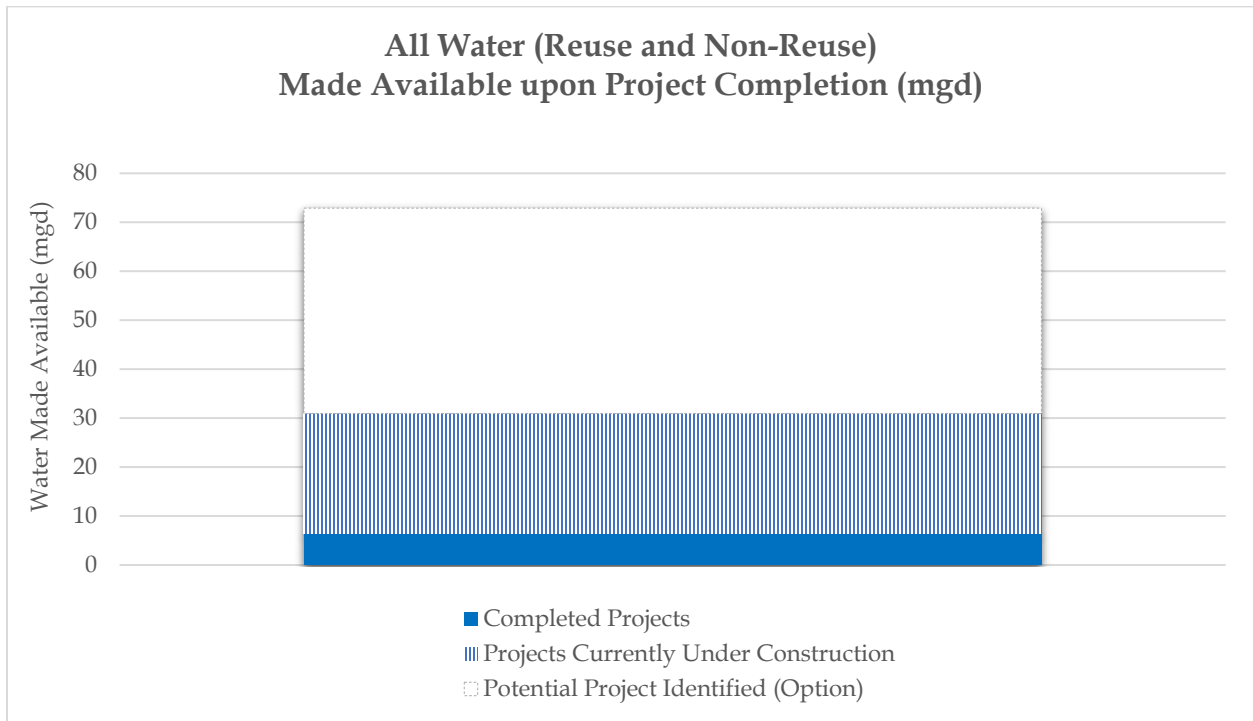
Background

In recognition that effective management in Northeast Florida requires close coordination, DEP, SJRWMD, and SRWMD entered in to an interagency agreement to ensure resource protection and equitable treatment of water users in the two districts. The LSFI MFLs were adopted by DEP based on the conclusion that groundwater use in both the SRWMD and SJRWMD contribute to the current status of priority water bodies in the Lower Santa Fe River Basin, and thus cross boundary MFLs and Recovery Strategies are appropriate to achieve long-term recovery and maintenance of minimum flows in the Lower Santa Fe Basin. DEP additionally adopted the regulatory components of the recovery strategy while the non-regulatory components were approved by the Governing Boards of both the SRWMD and the SJRWMD. The purpose of the recovery strategy is to develop near-term managerial practices to address these streamflow impacts, and provide a framework to implement long-term water management strategies, water resource development projects, and conservation measures, in order to recover and maintain flows in these water bodies at the proposed minimum flow criteria.



Status of Projects

The status of each individual project benefitting these MFLs can be found in Appendix F and, for the LSFIs strategy, include projects in both the SJRWMD and the SRWMD. The below graph represents the progress of making water available for the LSFIs strategy for both districts, listing those completed or under construction as well as those that are potential projects identified as project options.



St. Johns River Water Management District

The SJRWMD has identified 25 waterbodies as being in recovery or prevention within its district. Seven of these waterbodies are included in a regional strategy known as the Prevention/Recovery Strategy of Minimum Flows and Levels for Volusia Blue Spring and Big, Daugharty, Helen, Hires, Indian, and Three Island Lakes (Volusia Strategy). An MFL associated with Silver Springs is included in the Silver Springs Prevention Strategy. Each is summarized below. Recovery of these waterbodies is accomplished utilizing regulatory and non-regulatory measures. This appendix includes the status of projects associated with these two strategies.

Background

Volusia Recovery and Prevention Strategy

In November 2013, the District's Governing Board approved a comprehensive strategy to protect Blue Spring and six Volusia County lakes from current and potential impacts of groundwater withdrawals. They help recover the MFL for Indian Lake. These MFLs were all adopted between 1994 and 2004, and three have had re-evaluations as late as 2013. The Volusia Strategy calls for groundwater withdrawals to be maintained at or below sustainable limits, or for impacts from groundwater withdrawals to be offset through reuse of reclaimed water, aquifer recharge and water supply projects, as well as through conservation and regulatory measures. Projects and measures proposed in the strategy are designed to ensure MFLs in Blue Spring and the affected lakes (other than Indian Lake) continue to be achieved and to meet future water demands for public water supply utilities and other water users throughout Volusia County.

Silver Springs Prevention Strategy

An MFL for Silver Springs, an Outstanding Florida Spring, was adopted based on criteria developed from vegetation, soils and topography data. The MFL will protect the structure and function of wetlands and aquatic habitats, as well as other ecological functions and values. Currently, the MFL for Silver Springs is being achieved. However, the Silver Springs MFL is projected to not be met by 2025 and so a prevention strategy was adopted in 2017.

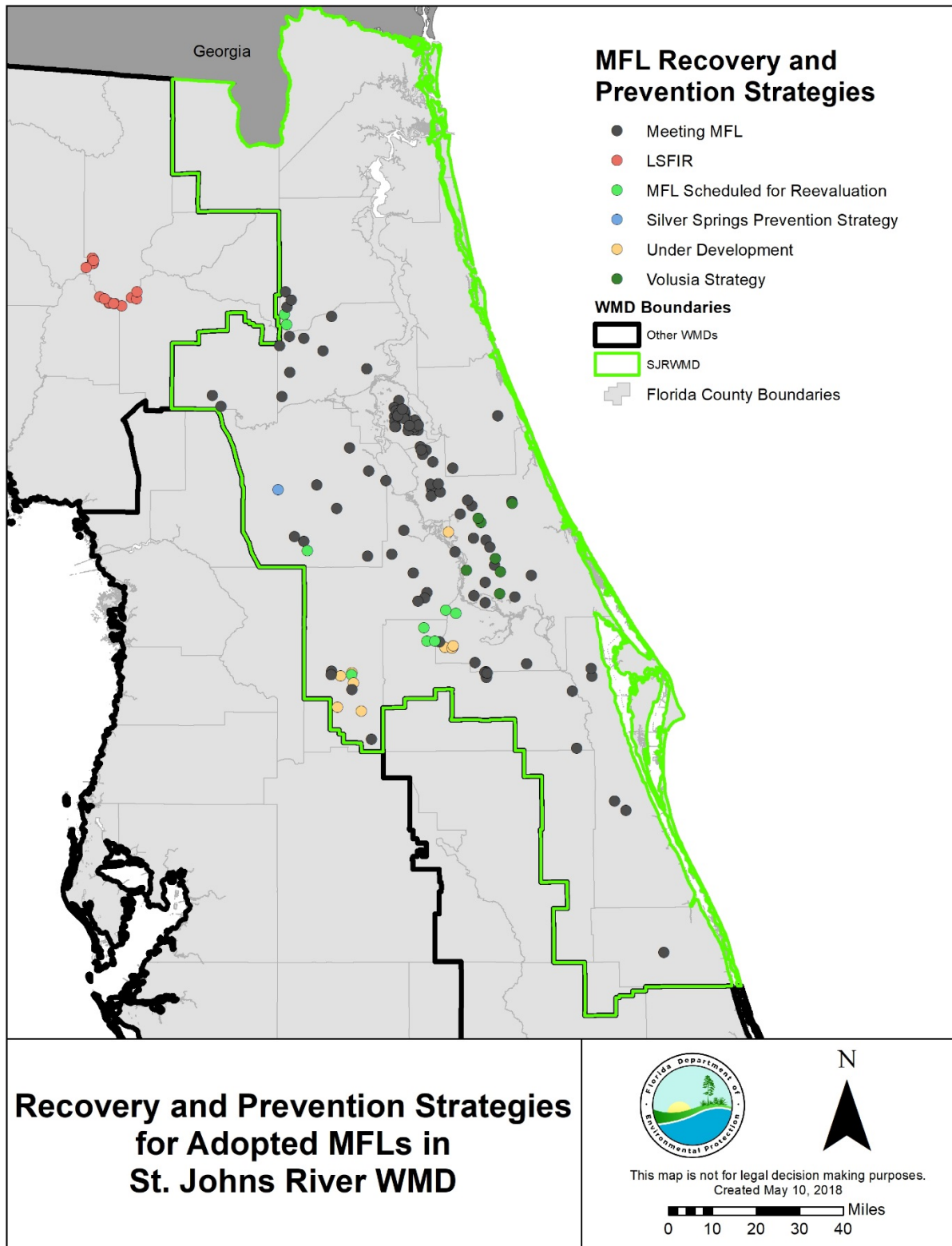
Under Development or Re-evaluation

A total of 17 waterbodies within the SJRWMD are currently identified as being in recovery or prevention but do not currently have a recovery or prevention strategy. While not currently covered by a strategy, the SJRWMD nevertheless has assisted in implementing projects to benefit these waterbodies.

Lower Santa Fe and Ichetucknee River and Priority Springs Recovery Strategy

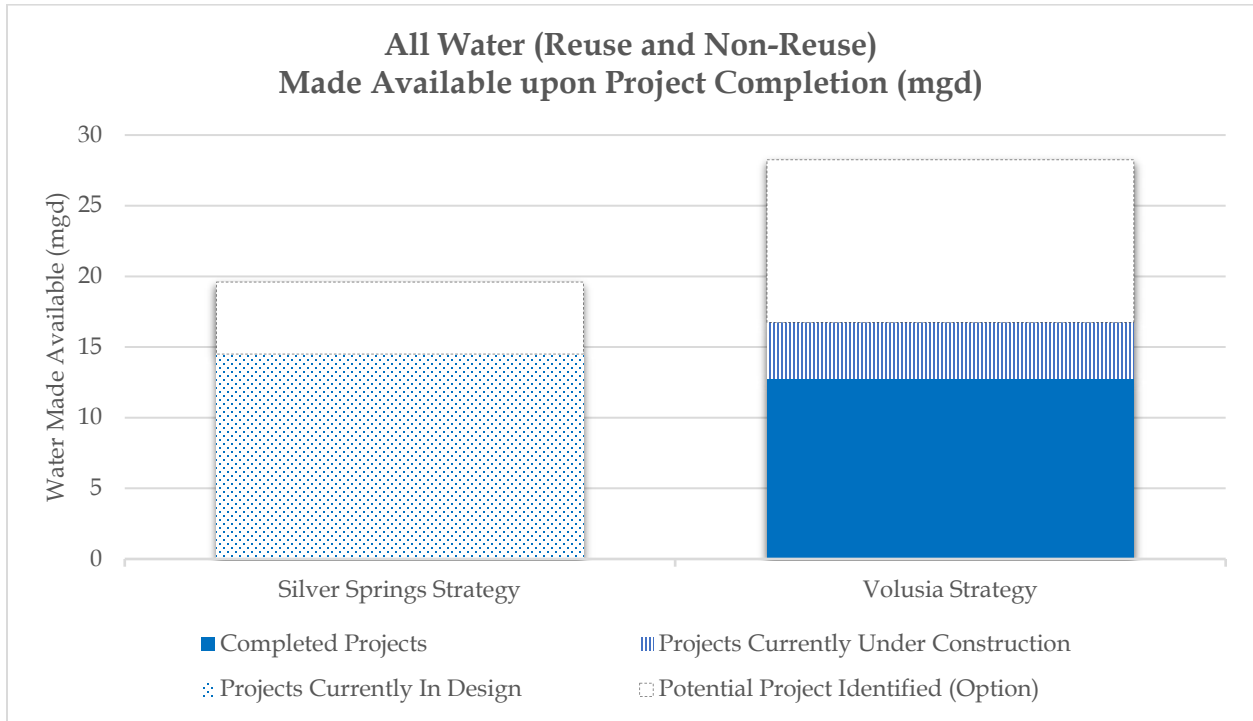
The SRWMD, in coordination with the SJRWMD and DEP, identified 18 waterbodies associated with the Lower Santa Fe and Ichetucknee River and Priority Springs (LSFIR) as being in recovery. The SJRWMD and SRWMD both approved the LSFIR Recovery Strategy as the means to recover these waterbodies. In order to avoid duplication, the status of projects and

project list for this strategy is presented in under the Suwannee River Water Management District Recovery and Prevention Strategies.



Status of Projects

The status of each individual project can be found in Appendix F. The below graph represents the progress of making water available for the Silver Springs Prevention Strategy (approved in 2017) and the Volusia Strategy, listing those completed, under construction, or in design as well as those that are potential projects identified as project options.



Southwest Florida Water Management District

Through fiscal year 2016-17, the SWFWMD has established 202 MFLs on waterbodies and identified 67 of those as being in need of recovery. These waterbodies are all included in three regional and two water-body-specific recovery strategies. The strategies address recovery through regulatory and non-regulatory measures. This appendix includes summaries of the five recovery strategies and the status of their associated projects.

Background

Southern Water Use Caution Area Recovery Strategy

The Southern Water Use Caution Area (SWUCA) was designated in 1992 to address declines in Upper Floridan aquifer levels due primarily to groundwater withdrawals. Drawdowns in aquifer levels in some areas exceeded 50 feet, causing saltwater intrusion along the coast, and unacceptable impacts to some lakes and river systems. The area encompasses approximately 5,100 square miles, including all of DeSoto, Hardee, Manatee and Sarasota counties, and parts of Charlotte, Highlands, Hillsborough and Polk counties. SWFWMD has identified 20 recovery waterbodies in the SWUCA, all initially adopted between 2006 and 2017, with 9 re-evaluations conducted in 2017. The MFL established for the aquifer system in the area includes 10 wells monitoring that system.

The District adopted the SWUCA Recovery Strategy in 2006 and is implementing the strategy over a 20-year period. The four principal goals of the Recovery Strategy to achieve by 2025 include: restore minimum flows in the upper Peace River; restore priority minimum lake levels in lakes along the Lake Wales Ridge; reduce the rate of saltwater intrusion in coastal Hillsborough, Manatee, and Sarasota counties by achieving the saltwater intrusion minimum aquifer level; and ensure there are sufficient water supplies for existing and projected reasonable and beneficial uses.

The District has been successful in multiple efforts associated with its SWUCA Recovery Strategy. Partnering with the Peace River Manasota Regional Water Supply Authority, the District has assisted in developing a sustainable water supply to meet the needs of a four-county region in the southern portion of the SWUCA. The District's cooperatively-funded Facilitating Agricultural Resource Management Systems (FARMS) program has helped the agricultural community reduce its use of groundwater from the Upper Floridan aquifer. The FARMS program combined with other conservation efforts have helped reduce Upper Floridan groundwater withdrawals by more than 50 mgd, one of the targets established by the SWUCA Recovery Strategy. The District's Lake Hancock Lake Level Modification Project became fully operational in 2014 to help meet the minimum flows for the upper Peace River. Other successes to date include completion of the Tampa Electric Company (TECO) Southwest Polk Power Station Reclaimed Water Interconnect project. This project is anticipated to provide a near-term resource benefit of 10 mgd and long-term benefit of 17 mgd. In addition, the formation of the Polk Regional Water Cooperative and the selection of project options will assist in meeting MFL's and developing a sustainable long-term water supply in the northern portion of the SWUCA and in the CFWI.

Northern Tampa Bay Water Use Caution Area Recovery Strategy

In 1989, the District established the Northern Tampa Bay Water Use Caution Area (NTBWUCA), an area encompassing all of Pinellas County and parts of Hillsborough and Pasco counties. In 2007, the NTBWUCA was expanded to include an additional portion of northeastern Hillsborough County and the remainder of Pasco County. The District took these actions based on concerns about hydrologic impacts to wetlands, lakes and rivers resulting from groundwater withdrawals and concerns regarding rapid growth and development pressures in the region. Because the majority of groundwater use in the NTBWUCA is for public supply, most of the water resource impacts were in areas surrounding the major public supply wellfields. As of Calendar Year 2016, SWFWMD has identified 45¹ recovery waterbodies in the NTBWUCA, all initially adopted between 2000 and 2013, with 13¹ re-evaluations conducted between 2007-2018.

The first phase of the District's NTBWUCA Recovery Strategy was adopted in 2000 and called for a phased reduction in pumping from Tampa Bay Water's regional wellfields and providing financial incentives for construction of alternative water supply projects. A second phase of the Recovery Strategy, adopted in 2010 for implementation through 2020, includes a comprehensive plan that addresses continued monitoring and evaluation of environmental mitigation for withdrawal impacts and continued water conservation activities by Tampa Bay Water's member governments.

Implementation of the NTBWUCA Recovery Strategy has led to construction of alternative water supply projects that have produced 140 mgd of new alternative water sources and allowed for groundwater withdrawals from Tampa Bay Water's regional wellfields to be reduced by more than 60 mgd. Successes associated with implementation of the ongoing second phase of the Recovery Strategy are currently being summarized as part of the review associated with renewal of the consolidated permit issued to Tampa Bay Water for regional water withdrawals.

Lower Hillsborough River Strategy

Flows in the Lower Hillsborough River have been reduced by a variety of factors including increased public supply use of the Hillsborough River Reservoir, surface water drainage alterations, reduction in surface storage, and induced recharge due to groundwater withdrawals. The District set a minimum flow for the Lower Hillsborough River in 2000, and in 2007 adopted revised minimum flows for the lower river as well as minimum flows for Sulphur Springs, and the Tampa Bypass Canal. Because the minimum flow was not being achieved in the lower river in 2000 and the revised minimum flows adopted in 2007 were similarly not being met, the Lower Hillsborough River Strategy was included in both the first and second phases of the NTBWUCA Recovery Strategy that were respectively adopted by the District in 2000 and 2007.

The Recovery Strategy outlines six projects and a timeline for their implementation. Four projects are being jointly funded by the District and the City of Tampa, and two are being

¹ Excludes Lower Hillsborough River, which, though located within the NTBWUCA, is more specifically covered by the Hillsborough River Strategy.

implemented by the District. Implementation of specific projects is subject to applicable diagnostic/feasibility studies and contingent on any required permits. These projects include Tampa Bypass Canal diversions, a transmission pipeline evaluation/project, modifications to the Sulphur Springs weir and pump station, projects at Blue Sink and Morris Bridge Sink, and the investigation of storage options.

Beginning in late 2007, the District, and more recently the City of Tampa, have, when necessary, transferred water from the Tampa Bypass Canal to the Hillsborough River Reservoir and over the City of Tampa dam to help achieve minimum flows in the lower river. A peer-review completed in 2008 supported the determination that a transmission pipeline project for these diversions was not necessary, and the project is no longer considered viable for recovery of the lower river. By 2012, the City, with funding from the District, completed the Sulphur Springs weir and pump station projects and has been supplying flow from springs to the base of the City of Tampa dam. The Blue Sink project, completed by the City with District funding in 2017 provides additional quantities of flow the lower river. Project facility design and permitting for use of water from Morris Bridge Sink for lower river recovery have been completed. Future project activities are contingent upon feasibility investigations regarding the City's proposed Tampa Augmentation Project. The District is helping fund the Tampa Augmentation Project to evaluate the storage and recovery of reclaimed water in the Floridan Aquifer System for subsequent delivery to the Hillsborough River Reservoir.

Dover/Plant City Water Use Caution Area Recovery Strategy

During an unprecedented nine nights of freezing temperatures over eleven consecutive days in January 2010, withdrawals totaling nearly 619,000 gpm occurred for approximately 65 hours in the Dover/Plant City area and were followed by withdrawals at a rate of approximately 433,000 gpm for an additional 19 hours. In 2011, based on impacts associated with these withdrawals, the District established the Dover/Plant City WUCA (DPCWUCA); a 256 square mile area located in northeast Hillsborough County and eastern Polk County within portions of the NTBWUCA as well as the SWUCA. Concurrent with the establishment of the DPCWUCA, the District adopted a Minimum Aquifer Level (MAL), Minimum Aquifer Level Protection Zone (MALPZ) and recovery strategy for the DPCWUCA. The recovery strategy has the objective to reduce groundwater withdrawals used for frost/freeze cold protection by 20 percent by January 2020 (from January 2010 withdrawal quantities).

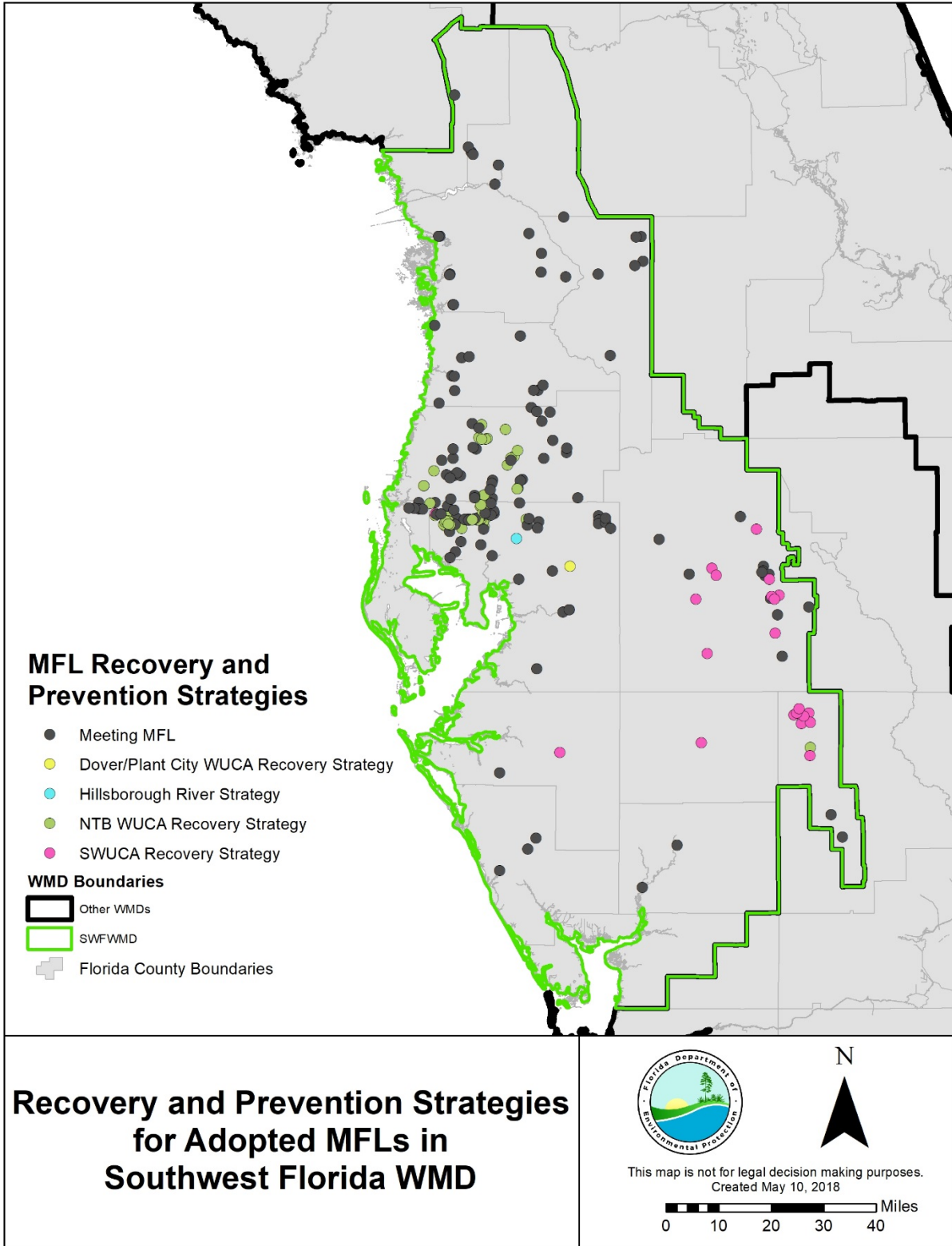
Recovery mechanisms identified in the strategy include non-regulatory and regulatory approaches. The non-regulatory mechanisms include assistance in offsetting groundwater withdrawals for cold protection through the District's cooperatively-funded FARMS program, providing enhanced data for irrigation system management, and other means. Projects are co-funded by the District and private enterprise to develop and enhance water conservation projects for the direct benefit of reducing cold protection groundwater withdrawals. In the regulatory approach, water use permitting rules address groundwater withdrawal impacts, alternative water supplies, frost/freeze cold protection methods and resource recovery. New groundwater withdrawals for cold protection are not authorized within the MALPZ and any new permitted groundwater withdrawals outside the MALPZ cannot cause new drawdown impact at the

MALPZ boundary. Alternative methods to groundwater withdrawals used for cold protection are to be investigated and implemented where practicable.

Evaluation of progress toward achieving the minimum aquifer level is ongoing. The evaluation includes or will include assessment of reductions in groundwater withdrawals used for frost/freeze protection in the DPCWUCA and the resulting reduced impacts on the minimum aquifer level. FARMS projects have resulted in a projected 41 MGD of reduced groundwater use for freeze protection in the DPCWUCA. If by January 2020 a 20 percent reduction in groundwater withdrawals used for frost/freeze protection or the minimum aquifer level has not been achieved, the recovery strategy will be reassessed.

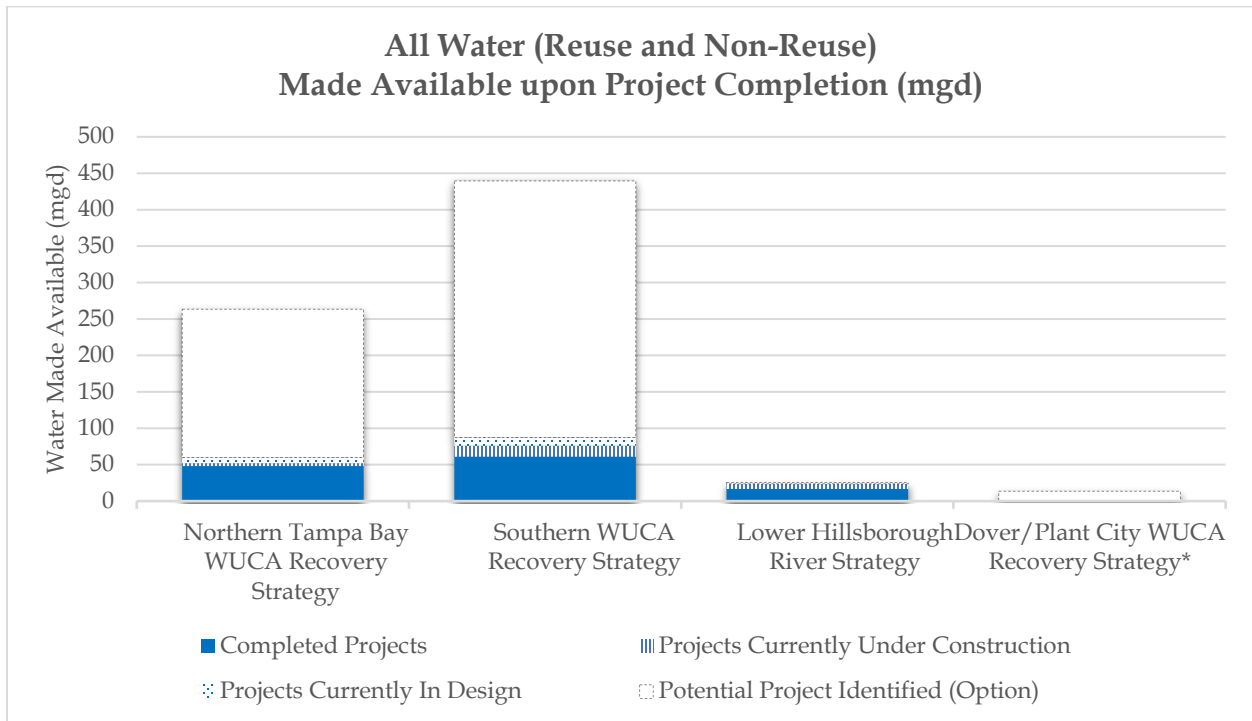
Lower Alafia River Recovery Strategy

In establishing minimum flows for the Lower Alafia River system in 2010, the District determined that flow rates under certain conditions were below the proposed minimum flows due to withdrawals from Lithia and Buckhorn springs by Mosaic Fertilizer, LLC. The District subsequently incorporated conditions associated with a phased recovery strategy into a water use permit issued to Mosaic. Compliance with conditions included in a water use permit issued to Mosaic Fertilizer, LLC has supported achievement of minimum flows established for the Lower Alafia River system.



Status of Projects

The status of each individual project can be found in Appendix F. The below graph represents the progress of the above identified recovery and prevention strategies, listing those completed, under construction, or in design as well as those that are potential projects identified as project options.²



*As previously described, the Dover/Plant City WUCA Recovery Strategy includes non-regulatory and regulatory approaches. The non-regulatory mechanisms include assistance in offsetting groundwater withdrawals for cold protection through the SWFWMD’s cooperatively-funded FARMS program, providing enhanced data for irrigation system management, and other means. To date, 29 FARMS projects are operational offsetting approximately 1 mgd annual average daily use and offsetting 41 mgd freeze protection quantities.

² Graph does not include the Lower Alafia River Recovery Strategy due to its limited scope as described in this appendix.

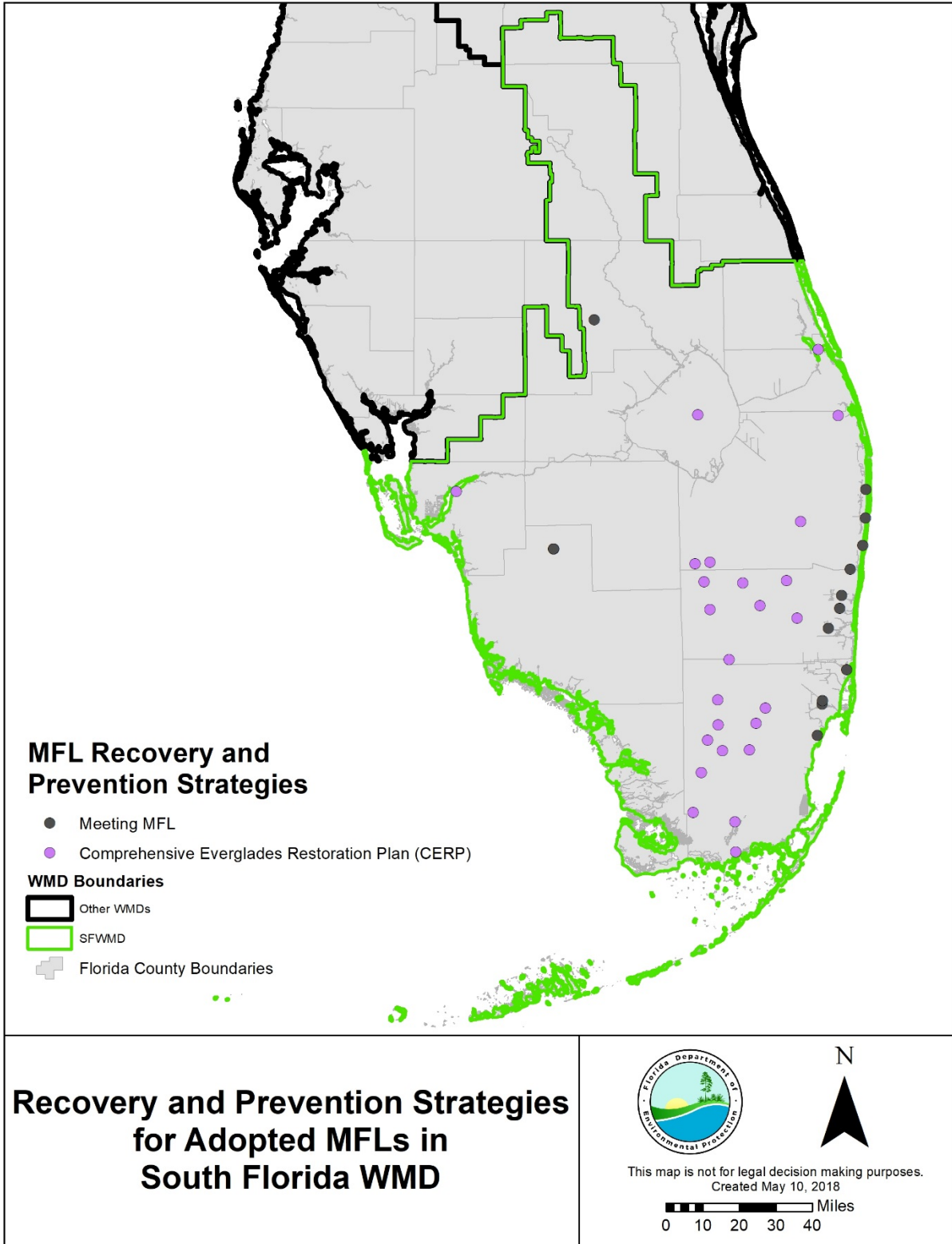
South Florida Water Management District

The SFWMD has identified four waterbodies as being in recovery and has identified **Comprehensive Everglades Restoration Plan (CERP)** as the means to recovery and protect these waterbodies, which include the Everglades, Lake Okeechobee, Loxahatchee River, and the Caloosahatchee River.

Background

CERP is a framework for modifications and operational changes to the Central and Southern Florida Project. The overarching objective of CERP is the restoration, preservation, and protection of the South Florida ecosystem while providing for other water-related needs of the region, including water supply and flood protection. There are a multitude of different projects identified in CERP. Together, these projects are expected to deliver benefits to improve the ecological function of over 2.4 million acres of the South Florida ecosystem, improve urban and agricultural water supply, improve deliveries to coastal estuaries, and improve regional water quality conditions, while maintaining the existing levels of flood protection.

CERP is identified as the recovery strategy for 25 MFLs sites. Twenty of these MFLs are for wetland sites within the Everglades and were adopted in 2001. MFLs have also been adopted for Lake Okeechobee, Loxahatchee River, and the Caloosahatchee River between 2001 and 2003.



Status of Projects

Due to the unique nature of CERP, a summary of the projects, funding, and status of CERP projects designed to produce new water to meet the MFL is provided below and included in the second tab of Appendix F. CERP projects outlined in this table are part of an existing recovery strategy designed to provide new water to natural areas that will help meet the minimum flow or minimum water level. CERP projects associated with an MFL waterbody that has a prevention strategy are not included in **Table 1** below. For more information on CERP, visit the Water Management District’s website at <https://www.sfwmd.gov/our-work/cerp-project-planning>.

Table 1. MFL waterbodies with recovery strategies that include CERP projects.

MFL Waterbody	Project Name ^a	State Funding	Federal Funding	Total Funding	Project Phase (Status)	Water Storage Created (Acre-Feet) ^b
Lake Okeechobee	Lake Okeechobee Watershed Restoration Project (Includes aboveground storage and ASR)	TBD	TBD	TBD	Planning	TBD
Caloosahatchee River	Caloosahatchee River (C-43) West Basin Storage Reservoir (Includes testing completed for ASR)	\$127,038,873	\$36,845,616	\$163,893,489 ^c	Construction	170,000
Loxahatchee River	Loxahatchee River Watershed Restoration Project	TBD	TBD	TBD	Planning	TBD
Everglades	Central Everglades Planning Project (CEPP) (Includes ENP Seepage Management)	\$7,018,468	\$12,201,369	\$19,219,837	Design	120,000
Everglades	Post Authorization Change Report for CEPP – Everglades Agricultural Area Storage Reservoir Project	TBD	TBD	TBD	Planning	300,000

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Everglades	Broward County Water Preserve Areas	\$263,247,325	\$63,633,518	\$326,880,843	Design	20,000
Everglades	C-111 Spreader Canal Projects ^d	\$49,913,227	\$12,693,854	\$62,607,081	Operations	1,500

- a. Only those CERP projects that produce new water and are associated with an MFL recovery strategy (e.g., aboveground storage, ASR, etc.) are listed in the table.
- b. TBD = To Be Determined means the federal and state funding along with the quantity of new water produced with this project has not yet been determined. This information will be revised once the final plan for the project has been formulated through the planning process.
- c. Reflects the total state and federal funding reported to the United States Army Corps of Engineers as of September 30, 2017. The expenditures required to complete the project in 2022 are expected to be approximately \$600 million.
- d. Project with storage feature creates hydraulic ridge adjacent to natural areas reducing seepage losses keeping more of the natural rainfall and water flows within natural areas.

List of Acronyms and Abbreviations

ac	Acre
ACEPD	Alachua County Environmental Protection Department
ac-ft	Acre-Feet
ac-ft/yr	Acre-Feet Per Year
ACHD	Alachua County Health Department
ACSC	Area of Critical State Concern
ACT	Alachua Conservation Trust
AFB	Air Force Base
AFCEC	U.S. Air Force Civil Engineer Center
AFERA	Air Force Environmental Restoration Account
A-FIRST	Altamonte Springs–FDOT Integrated Reuse and Stormwater Treatment
AFTEC	Air Force Technical Applications Center
APRICOT	Upgrade to A Prototype Realistic Innovative Community of Today
ARA	Antibiotic Resistance Analysis
ARF	Assembly and Refurbishment Facility
ARTF	Alafia River Task Force
ARV	Air Release Valve
AS2I	Altamonte Springs Science Incubator
ASR	Aquifer Storage and Recovery
AWT	Advanced Wastewater Treatment
BAM	Biosorption Activated Media
BARC	Bay Area Resource Council
BCA	Bayou Chico Association
BCC	Brevard Community College
BMAP	Basin Management Action Plan
BMP	Best Management Practice
BOCC	Board of County Commissioners
BOD	Biochemical Oxygen Demand
BRL	Banana River Lagoon
BWG	Basin Working Group
BX	Base Exchange for Air Force (Patrick Air Force Base)
CARE	Citizen Active Response Effort (City of Jacksonville)
CBDG	Community Development Block Grant
CBIR	Community Budget Issue Request
CCAFS	Cape Canaveral Air Force Station
CCTV	Closed-Circuit Television
CCUA	Clay County Utility Authority
CDD	Community Development District
CDM	Camp Dresser McKee
CDS	Continuous Deflective Separation

CERP	Comprehensive Everglades Restoration Program
cfu/100mL	Colony-Forming Units Per 100 Milliliters
CIAP	Coastal Impact Assistance Program
CIB	Curb Inlet Basket
CIP	Capital Improvement Plan
CIPP	Cured in Place Pipe
CIRL	Central Indian River Lagoon
CIT	Capital Improvement Tax
CM	Curb Mile
CMOM	Capacity, Management, Operations, and Maintenance (Program)
CMP	Corrugated Metal Pipe
COJ EQD	City of Jacksonville Environmental Quality Division
CP	Cement Plant
CR	County Road
CRA	Community Redevelopment Agency
CREW	Corkscrew Regional Ecosystem Watershed
CSU	Central Sumter Utility
CWA	Clean Water Act
DBPR	Florida Department of Business and Professional Regulation
DCHD	Duval County Health Department
DCP	Drainage Connection Permit (Program)
DEO	Florida Department of Economic Opportunity
DEP	Florida Department of Environmental Protection
DO	Dissolved Oxygen
DON	Dissolved Organic Nitrogen
DRA	Drainage Retention Area
DRS	Dry Retention System
DWM	Dispersed Water Management
ECHD	Escambia County Health Department
E. coli	Escherischia Coli (bacteria)
ECWCD	East County Water Control District
EDIG	Economic Development Infrastructure Grant
EHS	Edgewater High School
EPA	U.S. Environmental Protection Agency
EPB	Environmental Protection Board
EPCHC	Environmental Protection Commission of Hillsborough County
EPD	Environmental Protection Division (usually refers to Alachua County)
ERP	Environmental Resource Permit
ESOHTN	Environmental, Safety, and Occupational Health Training Network (U.S. Air Force)
EWC	Everglades West Coast
F.A.C.	Florida Administrative Code
FAMU	Florida Agricultural and Mechanical University

FCCJ	Florida Community College at Jacksonville
FCT	Florida Communities Trust
FDACS	Florida Department of Agriculture and Consumer Services
FDCA	Florida Department of Community Affairs
FDOH	Florida Department of Health
FDOT	Florida Department of Transportation
FEMA	Federal Emergency Management Agency
FFL	Florida-Friendly Landscaping
FFLP	Federal Forest Legacy Program (U.S. Department of the Interior)
FFP	Florida Food Products
FIB	Fecal Indicator Bacteria
FIND	Florida Inland Navigation District
FOG	Fats Oils and Grease (Program)
FPL	Florida Power and Light
FPS	Florida Park Service
FRDAP	Florida Recreation Development Assistance Program
FRESP	Florida Ranchlands Environmental Services Project
FRLPP	Farm and Ranch Lands Protection Program
F.S.	Florida Statutes
FSA	Florida Stormwater Association
FSU	Florida State University
ft	Foot/Feet
FTE	Full-Time Equivalent
FWC	Florida Fish and Wildlife Conservation Commission
FWCD	Fellsmere Water Control District
FWRA	Florida Watershed Restoration Act
FWS	U.S. Fish and Wildlife Service
FY	Fiscal Year
FYN	Florida Yards and Neighborhoods™ (Program)
GIS	Geographic Information System
Gpd	Gallons Per Day
GP	Georgia-Pacific
GRU	Gainesville Regional Utilities
GWTV	Groundwater Temporal Variability (Network)
HCHD	Hillsborough County Health Department
HDPE	High-Density Polyethylene
H&H	Hydrologic and Hydraulic (Study)
HMGP	Hazard Mitigation Grant Program
HOA	Homeowners Association
HRTAT	Hillsborough River and Tributaries Assessment Team
HRWA	Hillsborough River Watershed Alliance
HSPF	Hydrological Simulation Program – Fortran
HTBMT	Hillsborough Tributaries BMAP Monitoring Team

HUD	U.S. Department of Housing and Urban Development
HWTT	Hybrid Wetland Treatment Technology
Hwy.	Highway
IA	Implementation Assurance
IDDE	Illicit Discharge Detection and Elimination
I&I	Inflow and Infiltration
IMZ	Industrial Manufacturing Zones
in	Inch
IPM	Integrated Pest Management
IRLC	Indian River Lakes Conservancy
IRL	Indian River Lagoon
IRP	Installation Restoration Program
JEA	Jacksonville Electric Authority
JIA	Jacksonville International Airport
JTB	J. Turner Butler Boulevard
JYP	John Young Parkway
Kg	Kilogram
kg/yr	Kilograms Per Year
kg/ha/yr	Kilograms Per Hectare Per Year
LA EDI	Energy Dissipating Inlet
LA-MSID	Lehigh Acres Municipal Services Improvement District
lb/ac	Pounds Per Acre
lb-N/yr	pounds of nitrogen per year
lbs	Pounds
lbs/yr	Pounds Per Year
LCWA	Lake County Water Authority
LDC	Land Development Code
LF	Linear Feet
LHR	Lower Hillsborough River
LID	Low-Impact Development
LLC	Limited Liability Corporation
LOC	Lateral Only Connection
LOPA	Lake Okeechobee Protection Act
LOPP	Lake Okeechobee Protection Plan
LOW	Lake Okeechobee Watershed
LS	Lift Station
LSJR	Lower St. Johns River
LSSA	Little Sumter Service Area
MAPS	Managed Aquatic Plant System
MCAVA	Marion County Aquifer Vulnerability Assessment
MFL	Minimum Flow and Level
mg	Million Gallon
mgd	Million Gallons Per Day

mg/L	Milligrams Per Liter
MHP	Mobile Home Park
mi	Mile
MLE	Modified Ludzack-Ettinger (Treatment Process)
MM	Mile Marker
MOSI	Museum of Science and Industry
MP	Mile Post
MS4	Municipal Separate Storm Sewer System
MSBU	Municipal Service Benefit Unit
MSJR	Middle St. Johns River
MSMP	Master Stormwater Management Plan
MST	Microbial Source Tracking
MSTU	Municipal Service Taxing Unit
mt/yr	Metric Tons Per Year
N/A	Not Applicable or Not Available
NAS	Naval Air Station
NASA	National Aeronautics and Space Administration
NEEPP	Northern Everglades and Estuaries Protection Program
NEP	National Estuary Program
NE-PPP	Northern Everglades Public Private Partnerships
NFSLR	North Fork of St. Lucie River
NFWF	National Fish and Wildlife Foundation
NIRL	North Indian River Lagoon
NLII	Newnans Lake Improvement Initiative
NNC	Numeric Nutrient Criteria
NOAA	National Oceanic and Atmospheric Administration
NO ₃ as N	Nitrate
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service (USDA)
NS	Naval Station
NSBB	Nutrient-Separating Baffle Box
NSLR	North St. Lucie River
NSLRWCD	North St. Lucie River Water Control District
NSM	Naval Station Mayport
NSU	North Sumter Utilities
NFWWMD	Northwest Florida Water Management District
NWRF	North Water Reclamation Facility
OAWP	Office of Agricultural Water Policy
OCBWG	Orange Creek Basin Working Group
OCEPD	Orange County Environmental Protection Dept.
OCU	Orange County Utilities

OCUD	Orange County Utilities Department
OFS	Outstanding Florida Spring
OFW	Outstanding Florida Water
OHWL	Ordinary High Water Line
O&M	Operations and Maintenance
OOCEA	Orlando-Orange County Central Florida Expressway Authority
OPS	Other Personnel Services
ORI	Outfall Reconnaissance Inventory
OSTDS	Onsite Sewage Treatment and Disposal System
OUC	Orlando Utilities Commission
PAFB	Patrick Air Force Base
PBTS	Performance-Based Treatment System
PC	Pollution Control
PCD	Pollution Control Device
PFA	Priority Focus Area
PIC	Potential Illicit Connection
PLRG	Pollutant Load Reduction Goal
PLSM	Pollution Load Screening Model
PMC	Parrish Medical Center
PPZ	Primary Protection Zone
PSA	Public Service Announcements
PSPZ	Primary Springs Protection Zone
PUD	Planned Unit Development
PUT	Putnam County
PVC	Polyvinyl Chloride
PW	Public Works
RCP	Reinforced Concrete Pipe
RD	Rural Development
RHPZ	Riparian Habitat Protection Zone
RIB	Rapid Infiltration Basin
RIVER	Regional Initiative Valuing Environmental Resources (Program)
RPS	Rapid Periphyton Survey
R/R	Removal/Relocation
RSF	Regional Stormwater Facility
RST	Regional Stormwater Treatment
RWSP	Regional Water Supply Plan
SAV	Submerged Aquatic Vegetation
SBF	Spartman Branch, Baker Creek, Flint Creek
SCADA	Supervisory Control and Data Acquisition
SCGCC	Spruce Creek Golf and Country Club
SCI	Stream Condition Index
SCR	Selective Catalytic Reduction
SE	Seminole Electric

SEWRF	Southeast Water Reclamation Facility
SFER	South Florida Environmental Report
SFWMD	South Florida Water Management District
SIRL	Southern Indian River Lagoon
SJC	St. Johns County
SJRWMD	St. Johns River Water Management District
SLE	St. Lucie Estuary
SLID	Spring Lake Improvement District
SLRIT	St. Lucie River Issues Team
SLWSD	St. Lucie West Services District
SOIRL	Save Our Indian River Lagoon (Program)
SPIS	Springs Protection Initiative Science
SPOZ	Springs Protection Overlay Zone
SR	State Road
SRN	Slow Release Nitrogen
SRWMD	Suwannee River Water Management District
SS	Smurfit-Stone
SSO	Sanitary Sewer Overflow
SSS	Silver Springs Shores
STA	Stormwater Treatment Area
STAG	State and Tribal Assistance Grants
STEM	Science, Technology, Engineering, and Math
STEP	Septic Tank Effluent Pumping
STF	Sports Turfgrass Fertilizer
SWCD	Soil and Water Conservation District
SWFWMD	Southwest Florida Water Management District
SWIM	Surface Water Improvement and Management
SWMMP	Solid Waste Management Master Plan
SWPPP	Stormwater Pollution Prevention Plan
SWTV	Surface Water Temporal Variability (Network
SWWRF	Southwest Water Reclamation Facility
TAT	Tributaries Assessment Team
TBD	To Be Determined
TBEP	Tampa Bay Estuary Program
TDR	Transfer of Development Rights
THS	Titusville High School
TIF	Tax-Increment Financing
TMDL	Total Maximum Daily Load
TN	Total Nitrogen
TP	Total Phosphorus
TS	Technical Stakeholders
TSS	Total Suspended Solids
TVR	Transfer of Vested Rights

UCF	University of Central Florida
UF	University of Florida
UFA	Upper Floridan Aquifer
UF-IFAS	University of Florida Institute of Food and Agricultural Sciences
ULDC	Unified Land Development Code
USACE	U.S. Army Corps of Engineers
USAF	U.S. Air Force
USDA	U.S. Department of Agriculture
USF	University of South Florida
USGS	U.S. Geological Survey
USN	U.S. Navy
UTF	Urban Turfgrass Fertilizer
UWF	University of West Florida
VAB	Vehicle Assembly Building
VCDD	Villages Center Community Development District
VCSA	Village Center Service Area
VFD	Variable-Frequency Drive
WAM	Watershed Assessment Model
WAV	Watershed Action Volunteers (Program)
WBID	Waterbody Identification (Number)
WCS	Water Control Structure
WDS	Wet Detention System
wk	Week
W&M	Waitz and Moye (engineering firm)
WMA	Wildlife Management Area
WMD	Water Management District
WMP	Watershed Management Plan
WQPP	Water Quality Protection Plan
WRF	Water Reclamation Facility
WS	Winter Springs
W/S	Water/Sewer
WTC	West Town Center
WTW	Walk the WBID
WWTF	Wastewater Treatment Facility
yd	Yard
yds/yr	Yards Per Year
yr	Year