Polk County NPDES Phase I MS4 Annual Report

Term 3 – Year 3

Permit No. FLS000015

March 2015

Prepared for:

Florida Department of Transportation - District One
801 North Broadway Avenue
Bartow, Florida 33831

ENGINEERING
ENVIRONMENTAL
ECOLOGICAL

March 30, 2015

Mr. Borja Crane-Amores
Florida Department of Environmental Protection
Mail Station 2500
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Subject: **FDOT District One – Polk County Phase I NPDES MS4 Annual Report**
Term 3 – Year 3
Permit Number FLS000015
E Sciences Project No. 1-1464-041

Dear Mr. Crane-Amores:

Attached is the annual report form for the Polk County Phase I NPDES Municipal Separate Storm Sewer System (MS4) Permit, Permit Number FLS000015, for Florida Department of Transportation (FDOT) District One. The form is for annual report Term 3 – Year 3, a reporting time period of October 1, 2013 through September 30, 2014. Additionally, FDOT's water quality monitoring summary and year-3 annual pollutant load estimates have been included for your review and use. If you need any other information, please do not hesitate to contact us.

Sincerely,
E SCIENCES, INCORPORATED

Leilani Farrell
Staff Scientist

Robert Potts
Project Manager

Attachment

cc: Steven Kelly, FDOT
File

E Sciences, INCORPORATED
34 East Pine Street • Orlando, FL 32801
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www.esciencesinc.com

ANNUAL REPORT FORM FOR INDIVIDUAL NPDES PERMITS FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (RULE 62-624.600(2), F.A.C.)

- This Annual Report Form must be completed and submitted to the Department to satisfy the annual reporting requirements established in Rule 62-621.600, F.A.C.
- Submit this fully completed and signed form and any REQUIRED attachments by email to the NPDES Stormwater Program Administrator or to the MS4 coordinator. Their names and email addresses are available at: http://www.dep.state.fl.us/water/stormwater/npdes/contacts.htm. If files are larger than 10mb, materials may be placed on the NPDES Stormwater ftp site at: ftp://ftp.dep.state.fl.us/pub/NPDES_Stormwater/. After uploading the ANNUAL REPORT files, an email must be sent to the MS4 coordinator or the NPDES program administrator notifying them the report is ready for downloading
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below**

SECTION I. BACKGROUND INFORMATION			
A.	Permittee Name FDOT District 1		
B.	Permit Name: Polk County Municipal Separate Storm Sewer System		
C.	Permit Number: FLS000015-003 (Cycle 3)		
D.	Annual Report Year: ☐ Year 1 ☐ Year 2 ☒ Year 3 ☐ Year 4 ☐ Year 5 ☐ Other, specify Year:		
E.	Reporting Time Period (month/year): October 1, 2013 through September 30, 2014		
F.	Name of the Responsible Authority: Sharon L. Harris		
	Title: District Maintenance Administrator		
	Mailing Address: 801 N. Broadway Ave.		
	City: Bartow	Zip Code: 33830	County: Polk
	Telephone Number: (863) 519-2300	Fax Number: (863) 534-7045	
	E-mail Address: Sharon.Hedrickharris@dot.state.fl.us		
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Steven Kelly		
	Title: Maintenance Environmental Specialist		
	Department: Maintenance		
	Mailing Address: 801 N. Broadway Avenue		
	City: Bartow	Zip Code: 33830	County: Polk
	Telephone Number: (863) 519-2762	Fax Number: (863) 534-7045	
	E-mail Address: Steven.Kelly@dot.state.fl.us		

SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable In Year 1)	
A.	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 5 (Does this number include non-major outfalls? ☐ Yes ☒ No ☐ Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 4 (Does this number include non-major outfalls? ☒ Yes ☐ No ☐ Not Applicable)
C.	Is the change in the total number of outfalls due to lands annexed or vacated? ☐ Yes ☒ No ☐ Not Applicable

SECTION III. MONITORING PROGRAM

A.	Provide a brief statement as to the status of monitoring plan implementation: The monitoring plan is carried out through an inter-local agreement with Polk County. Please see the Polk County Annual Report for the monitoring information.
B.	Provide a brief discussion of the monitoring results to date: This summary represents trends in water quality data obtained from Polk County monitoring stations where FDOT has a major outfall upstream. The overall trend for Total Nitrogen is decreasing at 11 of the 24 monitoring stations included in the analysis. The overall trend for Total Phosphorus is decreasing at 20 of the 24 monitoring stations analyzed. FDOT recognizes the results from ambient water quality monitoring programs can be influenced by many factors, such as: atmospheric deposition, in situ nutrient loading, pollutant loads from non-point sources, and ground water loading which cannot be directly correlated to an individual SWMP. However, FDOT believes its SWMP is being effective at reducing pollutant loads from the Department's MS4 to receiving waters. FDOT's SWMP includes visual monitoring of its MS4 for illicit discharges during routine inspection and maintenance activities, routine construction oversight, scheduled inspection of MS4 infrastructure, stormwater education, cessation of fertilizers within the state highway system, an effective street sweeping and litter control program, and an approach for treating new and existing impervious areas. • *DEP Note: See Part V of the permit for the monitoring requirements. Each permittee must discuss the monitoring results as it relates to the implementation and effectiveness of their SWMP.*
C.	Attach a monitoring data summary, as required by the permit. Please see attached. Also see the Polk County Annual Report for the County's complete ambient monitoring information.

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: $1,822,180.00 *DEP Note: If program resources have decreased from the previous year, attach a discussion of the impacts on the implementation of the SWMP as per Part II.F of the permit.*
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: $1,739,921.00

SECTION V. MATERIALS TO BE SUBMITTED WITH THIS ANNUAL REPORT FORM

Only the following materials are to be submitted to the Department along with this fully completed and signed Annual Report Form (check the appropriate box to indicate whether the item is attached or is not applicable):

DEP Note: Please complete Checklists A & B at the end of the tailored form.

Attached	N/A	
☐	☒	Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below.
☒	☐	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.
☐	☒	Year 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.
☒	☐	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.
☐	☒	Year 4 ONLY: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C.

DO NOT SUBMIT ANY OTHER MATERIALS

(such as records and logs of activities, monitoring raw data, public outreach materials, etc.)

SECTION VI. CERTIFICATION STATEMENT AND SIGNATURE

The Responsible Authority listed in Section I.F above must sign the following certification statement, as per Rule 62-620.305, F.A.C:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Responsible Authority (type or print): Sharon L. Harris

Title: District Maintenance Administrator

Signature: _____ Date: 3/26/15

	SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.		**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation/SWMP Element		**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
Part III.A.1		**Structural Controls and Stormwater Collection Systems Operation**				
		Maintain an up-to-date inventory of the structural controls and roadway stormwater collection structures operated by the permittee, including, at a minimum, all of the types of control structures listed in Table II.A.1.a of the permit. Report the current known inventory. *<u>DEP Note</u>: The permittee needs to "customize" this section by adding any structural controls to the list below that are part of the permittee's MS4 currently or are planned for the future. The permittee may remove any structural controls listed that it does not have currently or will likely not have during this permit cycle. Please see the attached description of each type of structure. In addition, the permittee may choose its own unit of measurement for each structural control to be consistent with the unit of measurement in the documentation. Unit options include: miles, linear feet, acres, etc.* Provide an inventory of all known major outfalls covered by the permit and a map depicting the location of the major outfalls (hard copy or CD-ROM). Provide the outfall inventory and map with the Year 1 Annual Report. Report the number of inspection and maintenance activities conducted for each type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained. If the minimum inspection frequencies set forth in Table II.A.1.a or the revised and approved FDOT Statewide Stormwater Management Program (SSWMP) that specifies minimum inspection frequencies were not met, provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met. *<u>DEP Note</u>: If the minimum inspection frequencies set forth in Table II.A.1.a, or the revised and approved SSWMP, were not met for one or more type of structure, the permittee must provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met. Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.*				

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Permit Citation/SWMP Element		**Permit Requirement/Quantifiable SWMP Activity**						**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Type of Structure	**Number of Activities Performed**							**Documentation / Record**	**Entity Performing the Activity**	**Comments**
		Total Number of Structures	**Number of Inspections**	**Percentage Inspected**	**Number of Maintenance Activities Based on inspections**	**Number of Routine Maintenance Activities**	**Percentage Maintained**				
	Dry retention systems	79	43	54.43%	7	0	100%		NPDES Database and District One Polk County Storm Water Pond Mowing and Litter Removal FPID: 427725-1-72-01	Consultant and FDOT Personnel and maintenance contractors	FDOT follows the inspection and maintenance schedules in the approved 2012 Statewide Stormwater Management Plan. Stormwater treatment facility inspection frequencies are based on Southwest Florida Water Management District (SWFWMD) ERP criteria. Number of routine maintenance activities are not tracked by structure type; therefore, they are reported as zero.
	Exfiltration trench / French drain systems	7	7	100%	0	0	0%				
	Grass treatment swale systems	18	10	55.56%	0	0	100%				
	Dry detention systems	15	9	60%	1	0	100%				
	Wet detention systems	111	66	59.46%	11	0	100%				
	Wet retention systems	1	1	100%	0	0	100%				
	Ditch Block systems	24	15	62.50%	2	0	100%				

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	Major stormwater outfalls	62	0	0.00%	0	37,377.14 linear feet	100%	Polk County Major Outfall Inventory spreadsheet	Consultant and FDOT Personnel	FDOT follows the inspection schedule in the approved 2012 Statewide Stormwater Management Plan. Major outfalls are inspected once every permit cycle based on the historic inspection records. Major outfall inspections were completed in 2012. The outfall pipes and culverts do receive routine maintenance under MMS Activity 451.

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	Weirs	1	1	100%	1	0	0%	NPDES Database	Consultant and FDOT Personnel	Maintenance was completed during the reporting period.
	Other control structures	126	75	59.52%	0	0	0%	NPDES Database	Consultant and FDOT Personnel	Control structures are inspected concurrently with the stormwater detention facilities they are associated with. FDOT follows the inspection schedules for stormwater treatment facilities in the approved 2012 Statewide Stormwater Management Plan. Maintenance was not required for the control structures inspected.

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	MS4 pipes / culverts (linear feet)	177,986	37,377.14	21.00%	0	37,377.14	21.00 %	RCI Feature 241 and MMS 451	FDOT Personnel	The inspections of the collection and conveyance system addressed through the Maintenance Rating Program (MRP) as stated in the approved 2012 Statewide Stormwater Management Plan. Inlet/catch basin/grate and pipe cleaning maintenance are grouped together in MMS (Activity 451). A maintenance percentage for inlets/catch basins/grates cannot be determined as the inventory is reported as individual items; however, maintenance is tracked by linear feet.
	Inlets / catch basins / grates	4,695	38	0.81%	0	37,377.14 linear feet	0%	RCI Feature 242, Maintenance Rating Program and MMS 451.	FDOT Personnel	

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	Ditches / conveyance swales (linear feet)	3,898,472.16	84 each	0.00%	0	96,097.50	2.47%	RCI Feature 245, 421, Maintenance Rating Program and MMS 461 and 464.	FDOT Personnel	The inspections of these conveyance structures are addressed through the FDOT MRP and the maintenance is addressed through MMS (Activity 461 and 464).
	ATTACH explanation if any of the minimum inspection frequencies in Table II.A.1.a, or in the revised and approved SSWMP, were <u>not</u> met				Not applicable					
	Year 1 ONLY: Attach a map of all known major outfalls				Not Applicable					
Part III.A.2	**Areas of New Development and Significant Redevelopment**									
	Continue to employ the FDOT Drainage Connection Permit (DCP) to ensure that appropriate stormwater treatment and permitting occurs prior to discharge into the FDOT system. FDOT shall refer connecting entities failing to meet the DCP requirements or maintain the discharge of acceptable water quality, after sufficient warning by FDOT to DEP and/or the Southwest Florida Water Management District, as appropriate, to regulate the stormwater quality through local or State rules, ordinances, and codes. Report the number of enforcement referrals completed.									
	Number of enforcement referrals					0		3/5/2015 E-mail from Joseph Glorioso, Permits Coordinator at Bartow Operations Center	FDOT Personnel	No enforcement referrals occurred during the reporting period.
Part III.A.3	**Roadways**									
	Annually review (and revise, as needed) and implement the permittee's written procedures for the litter control program(s) for public streets, roads, and highways, including rights-of-way, employed within the permittee's jurisdictional area and properly dispose of collected material. Implement the program on a monthly, or on an as needed, basis. Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected. *<u>DEP Note:</u> Please provide an explanation in Column F for any "0" reported in Column C. In addition, the permittee may choose its own units of measurement for the reporting items. Unit options for the amount of litter include: bags, cubic yards, pounds, tons. Unit options for the amount of area covered by the activity include: square feet, linear feet, yards, miles, acres. If all litter collection is performed by staff or by contractors, but not by both, please remove the non-applicable reporting items.*									

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	PERMITTEE Litter Control Program: Frequency of litter collection		12 / year	3/2/2015 E-mail from Brent Finger, RCI / MMS / Warranties at Bartow Operations Center	FDOT Personnel	
	PERMITTEE Litter Control Program: Estimated amount of area maintained (acres)		1,382			
	PERMITTEE Litter Control Program: Estimated amount of litter collected (tons)		107.22			
	CONTRACTOR Litter Control Program: Frequency of litter collection		10 / year	1/22/2015 E-mail from Yvonne Tucker, Transfield Services, TME Debris Disposal sheet, 3/23/2015 E-mail from Tiffany Hill, TME Enterprises, Inc., Polk County / I4, MM 25.6 to MM53.6 / Oct. 1, 2013 to Sept. 30, 2014 / Debris Removal sheets, 3/5/2015 E-mail from Martin Smith, FDOT Maintenance Contracts Coordinator and JSM Services invoices	FDOT Contractors	
	CONTRACTOR Litter Control Program: Estimated amount of area maintained (acres)		49,776			
	CONTRACTOR Litter Control Program: Estimated amount of litter collected (tons)		323.56			

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	CONTRACTOR Litter Control Program: Estimated amount of litter collected (cubic yards)		294.68	Polk County / I4, MM 25.6 to MM 53.6 / Oct. 1, 2013 to Sept. 30, 2014 / Debris Removal sheets		
	If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected. *DEP Note: The permittee may choose its own unit of measurement for the amount of litter collected. Unit options include: bags, cubic yards, pounds, tons. If an Adopt-A-Road or similar program is not implemented by the permittee, please note that in Column F but do not remove the Adopt-A-Road Program reporting items.*					
	Adopt-A-Road Program: Total lane miles cleaned		84	3/2/20154 E-mail from Brent Finger, RCI / MMS / Warranties at Bartow Operations	Volunteer groups	There were 21 active groups during the permit period. .
	Adopt-A-Road Program: Estimated amount of litter collected (pounds)		630			
	Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen (TN) and total phosphorus (TP) loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in the Year 1 Annual Report. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. Also, the permittee may choose its own unit of measurement for the amount of sweeping material collected. Unit options include: cubic yards, pounds, tons.* *DEP Note: If the permittee has curbs and gutters but no street sweeping program is implemented, the permittee must provide an explanation of why not in the Year 1 Annual Report. Refer to Part III.A.3 of the permit for the information that must be included in the explanation (including the alternate BMPs used or planned in lieu of street sweeping). Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.*					
	Frequency of street sweeping		6/ year	1/22/2015 E-mail from Yvonne Tucker, Transfield Services and Polk County I I-4, MM 25.6 to MM 53.6/ Oct. 1, 2013 to Sept. 30, 2014/ Sweeping (Mechanical) sheets	FDOT Maintenance Contractor	
	Total number of curb miles swept (per year)		1,075.5			
	Estimated quantity of sweeping material collected (pounds)		379,360			

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	Total nitrogen loadings removed (pounds)		207.25	Polk County - Estimated Quantity of Total Nitrogen and Phosphorous Loadings Removed Spreadsheet	Consultants	Estimated quantities were determined using Method 3 as documented in the approved 2012 Statewide Stormwater Management Plan.
	Total phosphorus loadings removed (pounds)		132.64			
	Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned		Not Applicable			
	Annually review (and revise, as needed) and implement the permittee's written standard practices to reduce the pollutants in stormwater runoff from areas associated with road repair and maintenance, and from permittee-owned or operated equipment yards and maintenance shops that support road maintenance activities. Report the number of applicable facilities and the number of inspections conducted for each facility. *<u>DEP Note:</u> The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities, please provide an explanation in Column F for why no inspections were conducted. In addition, if the same facility is applicable under both Parts III.A.3 and III.A.5 of the permit, the same site inspection can count towards both inspection requirements as long as it covers the applicable waste area(s). Be sure to report the site inspection under both Parts III.A.3 and III.A.5.*					
			Number of Inspections			
	Name of facility #1: Bartow Operations Center		1	NPDES MS4 Permit Stormwater Inspection High Risk Industrial Facilities and Municipal Facilities inspection report 4/7/2014	Robert Dwyer, District Maintenance Environmental Manager	Inspection was conducted on 4/7/2014.
Part III.A.4	**Flood Control Projects**					
	Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not. Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage					

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	systems that do not have treatment BMPs. *DEP Note: A "stormwater retrofit project" is one implemented primarily to provide stormwater treatment for areas currently without treatment.* *DEP Note: The status of the flood control and retrofit projects should be reported as of the last day of the applicable reporting period. Therefore, there should be no duplication for those reported as planned, for those reported as under construction and for those reported as completed.* *DEP Note: If applicable, please provide the title of the attached list of flood control projects that did not include stormwater treatment in Column D and the name of the entity who finalized the list in Column E.*					
		Flood control projects completed during the reporting period	0	FDOT's Adopted Five Year Work Program (July 1, 2014 thru June 30, 2019)	FDOT Personnel	FDOT does not construct flood control or stormwater retrofit projects. FDOT adheres to water quality and attenuation standards based on ERP permit requirements.
		Flood control projects completed during the reporting period that did not include stormwater treatment	0			
		ATTACH a list of the flood control projects that did not include stormwater treatment and an explanation for each of why it was not				
		Stormwater retrofit projects planned	0			
		Stormwater retrofit projects under construction during the reporting period	0			
		Stormwater retrofit projects completed during the reporting period	0			
Part III.A.5	**Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit**					
	Annually review (and revise, as needed) and implement written procedures for inspections and the implementation of measures to control discharges from the following facilities that are not otherwise covered by an NPDES stormwater permit: • FDOT waste transfer stations; • FDOT waste fleet maintenance facilities; and • Any other FDOT waste treatment, waste storage, and waste disposal facilities. Report the number of applicable facilities and the number of the inspections conducted for each facility. *DEP Note: The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities, please provide an explanation in Column F for why no inspections were conducted.* ***An applicable facility under Part III.A.5 includes, but is not limited to, those facilities/yards where street sweeping material and/or yard waste are temporary stockpiled.*** *In addition, if the same facility is applicable under both Parts III.A.3 and III.A.5 of the permit, the same site inspection can count towards both inspection requirements as long as it covers the applicable waste area(s). Be sure to report the site inspection under both Parts III.A.3 and III.A.5.*					
			Number of Inspections			
	Name of facility #1: 0		0	2/18/2015 Email from Howard Summers, Deputy District Maintenance Administrator		There are no applicable FDOT facilities in Polk County which meet these criteria.

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Part III.A.6	**Pesticides, Herbicides, and Fertilizer Application**					
	Continue to require proper certification and licensing by the Florida Department of Agriculture and Consumer Services (FDACS) for all applicators contracted to apply pesticides, herbicides, or fertilizers on permittee-owned property, as well as any permittee personnel employed in the application of these products. Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed. Report the number of permittee personnel and contractors who have been trained through the Green Industry BMP Program, and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed. *DEP Note: If "0" is reported in Column C for any of the reporting items, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training / certification was previously provided / obtained, and the names of the personnel and contractors previously trained / certified.*					
	PERSONNEL: Florida Department of Agriculture and Consumer Services (FDACS) certified applicators of pesticides and herbicides		2	Department of Agriculture and Consumer Services (FDACS) License #: PB10222 and PB10414	FDOT Personnel	
	CONTRACTORS: FDACS certified / licensed applicators of pesticides and herbicides		9	Florida Department of Agriculture and Consumer Services Pesticide Certification Office Commercial Applicator License # CM21987, CM20825, CM19236, CM19056, CM19055, CM18344, CM20474, CM22903 and CM20870	FDOT Contractors	

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	CONTRACTORS: FDACS certified / licensed applicators of fertilizer		0	3/19/2015 Email from Joseph Bell, Maintenance Manager / Contracts	FDOT Contractors	FDOT currently does not have any fertilizer contracts and therefore does not have any certified fertilizer applicators.
	PERSONNEL: Green Industry BMP Program training completed		0	3/18/2015 Email from Mark Barnes, Maintenance Manager	FDOT Personnel	FDOT is requiring all necessary personnel and contractors to complete the FDOT Green Industry BMP Program pursuant to the permit and the approved 2012 Statewide Stormwater Management Plan.
	CONTRACTORS: Green Industry BMP Program training completed		1	FDEP Best Management Practices Florida Green Industries Certificate #GV20040	FDOT Contractors	
Part III.A.7.a	**Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures**					
	{Not Applicable to FDOT }					
Part III.A.7.c	**Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal**					
	During Year 1 of the permit, develop and implement a written proactive inspection program plan for identifying and eliminating sources of illicit discharges, illicit connections, or dumping to the MS4. Beginning with the Year 2 Annual Report, report on the proactive inspection program, including the number of inspections conducted, the number of illicit activities found, and the number of referrals completed. *DEP Note: If "0" is reported in Column C for the first reporting item, please include an explanation in Column F for why no proactive inspections were performed.* *DEP Note: Refer to Part III.A.7.c of the permit for what must be included in the written proactive inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.*					

	SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.		**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation/SWMP Element		**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Proactive inspections performed by Polk County on behalf of a co-permittee for suspected illicit discharges / connections / dumping		0			Polk County does not perform proactive inspections on behalf of FDOT.
	Proactive inspections performed by the permittee for suspected illicit discharges / connections / dumping		283	Daily Crew Work Report, City of Lakeland & FDOT - Lakes & Stormwater - Illicit Discharge Stormwater Cooperative Proactive Inspection form	FDOT Personnel and City of Lakeland staff	2 illicit discharges were found during the proactive inspection during the reporting period. Verbal discussions and corrective actions occurred at the time of the inspections. Enforcement was not necessary.
	Illicit discharges / connections / dumping found during a proactive inspection		2			
	Number of enforcement referrals		0			
	Year 1 ONLY: Attach the written proactive inspection program plan		Not Applicable			
	Annually review (and revise, as needed) and implement the permittee's written procedures to conduct reactive investigations to identify and eliminate the source(s) of illicit discharges, illicit connections or improper disposal to the FDOT MS4 within the FDOT right-of-way, based on reports received from permittee personnel, contractors, citizens, or other entities regarding suspected illicit activity. Report on the reactive investigation program as it relates to responding to reports of suspected illicit discharges, including the number of investigations conducted, the number of illicit activities found, and the number of enforcement referrals completed.					

	SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.		**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation/SWMP Element		**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
		Reports of suspected illicit connections / discharges / dumping received	2	3/3/2015 E-mail from Kevin King, Department of Health and 2/17/2014 E-mail from Robert Kollinger, Water Resources Manager	FDOT Personnel	There were 2 reports of suspected illicit connections / discharges / dumping received.
		Reactive investigations received by the permittee of reports of suspected illicit discharges/ connections / dumping	2			
		Illicit discharges / connections / dumping found during a reactive investigation	2			
		Number of enforcement referrals	1			
	During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, fleet maintenance staff, and inspectors) and contractors to identify and report conditions in the stormwater facilities that may indicate the presence of illicit discharges / connections / dumping to the MS4. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training). *DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained*.					
		Initial Training	**Refresher Training**			
	Personnel trained	71	4	Environmental Process sign-in sheet from June 30, 2014, Illicit Discharge Safety Meeting sign-in sheet from July 1, 2014 and Environmental Process sign-in sheet from July 15, 2014	FDOT Personnel	FDOT provides annual illicit discharge training to staff and contractors.
	Contractors trained	27	0			
Part III.A.7.d	**Illicit Discharges and Improper Disposal — Spill Prevention and Response**					
	Annually review (and revise, as needed) and implement the permittee's written spill-prevention/spill-response plan and procedures to prevent, contain, and respond to spills that discharge into the MS4. Report on the spill prevention and response activities, including the number of spills addressed. *DEP Note: The permittee may report the number of hazardous material spills separately from the number of non-hazardous material spills, or report one combined number, to more accurately reflect its tracking of these spills.*					

	SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.		**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation/SWMP Element		**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Hazardous and non-hazardous material spills responded to		3	FDOT Permit Tracking System (PITS) Database	FDOT Personnel and Contractors	
	During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, firefighters, fleet maintenance staff and inspectors) and contractors on proper spill prevention, containment, and response techniques and procedures. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training). *DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained*.					
		Initial Training	**Refresher Training**			
	Personnel trained	71	4		Environmental Process sign-in sheet from June 30, 2014, Illicit Discharge Safety Meeting sign-in sheet from July 1, 2014 and Environmental Process sign-in sheet from July 15, 2014	FDOT Personnel	Spill response and reporting is a part of the annual illicit discharge training.
	Contractors trained	27	0			
Part III.A.7.e	**Illicit Discharges and Improper Disposal — Public Reporting**					
	{Not Applicable to FDOT }					
Part III.A.7.f	**Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control**					
	Continue to include a notice with each FDOT Drainage Connection Permit with information on used oil recycling, proper hazardous waste disposal, stormwater regulations, and spill reporting. Report the number of notices distributed. *DEP Note: If "0" is reported in Column C, please include in Column F an explanation for why no notices were distributed. If the number of notices distributed is different than the number of DCPs issued, please include in Column F an explanation for this difference.*					
	Number of notices distributed		27	FDOT Permit Tracking System (PITS) Database	FDOT Personnel	NPDES Flyers are distributed with approved Drainage Connection Permits.

	SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.		**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation/SWMP Element		**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
Part III.A.7.g	**Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage**					
	Advise the appropriate utility owner of a violation if constituents common to wastewater contamination are discovered in FDOT's or Florida Turnpike Enterprise's MS4. Report the number of violations referred to the appropriate utility owner and the name of the utility owner.					
		Number of violations referred to the appropriate utility owner	1	7/30/14 Email from Robert Dwyer, District Maintenance Environmental Manager and 3/3/15 Email from Kevin King, Environmental Supervisor with Department of Health	FDOT Personnel	One violation was reported to the Department of Health and was abated.
		Name of owner of the sanitary sewer system	Douglas Bark			
Part III.A.8.a	**Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections**					
	Continue to maintain an up-to-date inventory of all existing high risk facilities discharging into the permittee's MS4. The inventory shall identify the outfall and surface water body into which each high risk facility discharges. For the purposes of this permit, high risk facilities include: • Operating municipal landfills; • Hazardous waste treatment, storage, disposal and recovery facilities; • Facilities that are subject to EPCRA Title III, Section 313 (also known as the Toxics Release Inventory (TRI) maintained by the U.S. EPA); and • Any other industrial or commercial discharge that the permittee determines is contributing a substantial pollutant loading to the permittee's MS4. This could include facilities identified through the proactive inspection program as per Part III.A.7.c of the permit. Report on the high risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year *DEP Note: The TRI is updated every spring / summer by the U.S. EPA at www.epa.gov/triexplorer. Select "Facility" on the left, chose your Geographic Location, and then select "Generate Report." Please indicate in Column F when (month / year) you last checked EPA's TRI for applicable facilities.* During Year 1 of the permit, develop and implement a written plan for conducting inspections of high risk facility outfalls to the FDOT/Florida Turnpike Enterprise MS4 to determine compliance with all appropriate aspects of the stormwater program. While the permittee may determine the order and frequency of the inspections, the permittee shall inspect each identified facility's outfall(s) at least once during the permit term; however, facilities identified as high risk due to the findings of the proactive inspection program as per Part III.A.7.c of the permit shall be inspected annually. Report on the high risk facility inspection program, including the number of outfall inspections conducted and the number of enforcement referrals completed. *DEP Note: If "0" is reported for the number of outfall inspections conducted and the permittee has one or more high risk facilities, please provide an explanation in Column F for why no inspections were conducted.*					

	SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE						
A.		**B.**			**C.**	**D.**	**E.**	**F.**
Permit Citation/SWMP Element		**Permit Requirement/Quantifiable SWMP Activity**			**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
			Number of Facilities	**Number of Inspections**	**Number of Enforcement Referrals**			
	Total high risk facilities		1	0	0	2013 Toxic Release Inventory and PITS Permit Database	FDOT Personnel and Consultants	1 High Risk facility was identified during the screening process last permit year. The inspection will be reported in the next annual report.
	New high risk facilities added to the inventory during the current reporting period		0	0	0			
	Operating municipal landfills		0	0	0			
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities		0	0	0			
	EPCRA Title III, Section 313 facilities (that are not landfills or HWTSDR facilities)		1	0	0			
	Facilities determined as high risk by the permittee through the proactive inspections as per Part III.A.7.c		0	0	0			
	Other facilities determined as high risk by the permittee (that are <u>not</u> facilities identified through the proactive inspections)		0	0	0			
Part III.A.8.b	**Industrial and High-Risk Runoff — Monitoring for High Risk Industries**							
	{Not Applicable to FDOT}							
Part III.A.9.a	**Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices**							
	Employ FDOT Drainage Connection Permit (DCP) conditions that include the use of stormwater, erosion, and sedimentation control BMPs during construction to reduce pollutants to the MS4 and receiving waters. Report the number of permits issued.							
	Number of DCPs/Special Permits issued				27	FDOT Permit Tracking System (PITS) Database	FDOT Personnel	DCPs approved during the permit year.
Part III.A.9.b	**Construction Site Runoff — Inspection and Enforcement**							
	As an attachment to the Year 1 Annual Report, the permittee shall submit a written plan that details the standard operating procedures for implementation of the stormwater, erosion and sedimentation inspection program for construction sites discharging stormwater to the MS4. The permittee shall implement the plan for inspecting construction sites <u>immediately upon written approval by the Department</u>. Prior to Department approval, the permittee shall continue to perform inspections in accordance with its previously developed construction site inspection procedures. Report on the inspection program for privately-operated and permittee-operated construction sites, including the number of active construction sites during the reporting year, the number of inspections of active construction sites, the percentage of active construction sites inspected, and the number and type of enforcement actions / referrals taken. *<u>DEP Note:</u> For FDOT/Florida Turnpike Enterprise, privately-operated sites are those sites within FDOT's right-of-way that were issued a DCP and the inspections are outfall inspections, not site inspections. In addition, FDOT should re-word the "Corrective action notices issued" reporting item to more accurately reflect its particular initial action taken when violations are found at FDOT-operated construction sites, if necessary.*							

	SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.		**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation/SWMP Element		**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	DEP Note: If "0" is reported in Column C for the number of inspections conducted, please provide an explanation in Column F of why no inspections were conducted. If the number of inspections reported is equal to or less than the number of active construction sites, or the percentage inspected is less than 100%, please provide an explanation in Column F. *DEP Note: Refer to Part III.A.9.b of the permit for what must be included in the construction site inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.*					
		PERMITTEE SITES: Active construction sites	21	NPDES SWPPP Status spreadsheets	FDOT Personnel	Construction inspections are conducted based on FDOT D1's Standard Operating Procedures. Due to the variations in project start and end dates, not all active construction sites were inspected during the permit period.
		PERMITTEE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	20		FDOT Personnel and Contractors	
		PERMITTEE SITES: Percentage of active construction sites inspected	66.67%			
		PERMITTEE SITES: Corrective action notices issued	2	September 26, 2014 Target Engineering Group, Inc. and September 30, 2014 SAI Consulting Engineers letters	FDOT Contractors	A deficiency warning letter and a deficiency letter was sent to the construction contractor.

	SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.		**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation/SWMP Element		**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	PRIVATE SITES: Active construction sites		5	FDOT Permit Tracking System (PITS Database)	FDOT Personnel and Contractors	
	PRIVATE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs		6			
	PRIVATE SITES: Percentage of active construction sites inspected		100%			
	PRIVATE SITES: Number of enforcement referrals		0	3/5/2015 E-mail from John Morrisey, Permits Manager at Bartow Operations Center	FDOT Personnel	
	Year 1 ONLY: Attach the written construction site inspection program plan		Not Applicable			
Part III.A.9.c	**Construction Site Runoff — Site Operator Training**					
	During Year 1 of the permit, develop and implement a written plan for stormwater training / outreach for construction site plan reviewers, site inspectors and site operators. Provide training for permittee personnel (employed by or under contract with the permittee) involved in the site plan review, inspection or construction of stormwater management, erosion, and sedimentation controls. Also provide training for private construction site operators. All permittee inspectors (employed by or under contract with the permittee) of construction sites shall be certified through the Florida Stormwater, Erosion and Sedimentation Control Inspector Training program, or an equivalent program approved by the Department. Refresher training shall be provided annually. Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training), and the number of private construction site operators trained by the permittee. *DEP Note: If "0" is reported for any of these reporting items, please include in Column F an explanation of why training was not provided to / obtained by the permittee's staff and private construction site operators during the applicable reporting year.* *DEP Note: The permittee should report only the number of staff and private construction site operators trained / certified during the applicable reporting year, and then note in Column F the number of staff who were previously trained / certified. Private site operator training can include pre-construction meetings.*					

	SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE							
A.		**B.**			**C.**	**D.**	**E.**	**F.**
Permit Citation/SWMP Element		**Permit Requirement/Quantifiable SWMP Activity**			**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
		Inspector Certification Training	**Non-Inspector Initial Training (non-certification)**	**Refresher Training**				
	FDOT construction site inspectors / site plan reviewers and site operators	14	0	10		FDEP Stormwater, Erosion & Sedimentation Control sign-in sheets and Pre-Construction conference sign-in sheets	Local Copermittees and FDOT Personnel	FDOT continues to promote staff and contractor training for erosion and sediment controls. Refresher training is provided to previously trained staff and contractors.
	Private contractors	49	0	60				

SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)		
	Permit Citation/ SWMP Element	**SWMP EVALUATION**
A.	**Part II.A.1 Structural control inspection and maintenance**	Strengths: FDOT District One has a comprehensive inspection and maintenance program for stormwater treatment and conveyance structures. FDOT District One implements a routine stormwater treatment facility inspection program, consistent with WMD ERP inspection criteria. Stormwater conveyance structures are inspected and maintained consistent with the Department's Maintenance Rating Program (MRP) as detailed in the approved 2012 FDOT Statewide Stormwater Management Plan. FDOT District One's inspection and maintenance program is designed to be proactive at identifying and correcting deficiencies to ensure treatment and conveyance systems continue to function as designed and permitted.
		Weaknesses: None noted at this time.
		SWMP Revisions to address deficiencies: None noted at this time.
	Part II.A.2 Significant redevelopment	Strengths: FDOT District One continues to implement Chapter 14-86 FAC to ensure off-site facilities connecting to FDOT's right-of-way through Drainage Connection Permits (DCPs) meet existing water quality standards.
		Weaknesses: None noted at this time.
		SWMP Revisions to address deficiencies: None noted at this time.
	Part II.A.3 Roadways	Strengths: FDOT District One maintains an active roadway management program. This program includes: litter pick-up, Adopt-A-Highway, street sweeping and annual inspections of its maintenance yards.
		Weaknesses: None noted at this time.
		SWMP Revisions to address deficiencies: None noted at this time.
	Part II.A.4 Flood control	Strengths: FDOT District One does not construct flood control or stormwater retrofit projects. FDOT District One continues to adhere to state water quality and attenuation criteria for new roadway and road widening projects based on ERP permit requirements.
		Weaknesses: None noted at this time.
		SWMP Revisions to address deficiencies: None noted at this time.
	Part II.A.5 Waste TSD Facilities	Strengths: There are no applicable FDOT facilities in Polk County which meet the criteria listed. Currently, FDOT does not temporarily stockpile street sweeping material and/or yard waste at its maintenance yards.
		Weaknesses: None noted at this time.
		SWMP Revisions to address deficiencies: None noted at this time.
	Part II.A.6 Pesticide, herbicide, fertilizer application	Strengths: FDOT District One requires personnel to be knowledgeable and able to implement a safe and effective chemical weed and grass control program. FDOT requires proper certification and licensing from Florida Department of Agriculture and Consumer Services (FDACS) for all personnel and contractors applying pesticides or herbicides on FDOT property or rights-of-way. It is FDOT's intention to reduce the amount of fertilizer used. FDOT will require all necessary FDOT personnel and contractors to complete the FDOT Green Industry BMP Program by January 2014, pursuant to the permit and the approved 2012 Statewide Stormwater Management Plan.
		Weaknesses: None noted at this time.
		SWMP Revisions to address deficiencies: None noted at this time.

SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)		
	Part II.A.7 Illicit Discharge Detection and Elimination	Strengths: FDOT District One implements its inspection and maintenance through the MRP/MMS program, which provides significant coverage of the FDOT MS4. As such, the fundamental component of a proactive illicit discharge program, that is, inspectors visiting all areas of the MS4, is achieved through the MRP/MMS program. FDOT staff is trained annually regarding illicit discharges and connections, the proper reporting procedure and spill prevention and response. At a minimum, one trained FDOT field staff is in the field each day to be observant for illicit discharges and/or spills. Additionally, FDOT has implemented it's maintenance contractor training program so that FDOT maintenance contractors that work in the field are trained to recognize and report illicit discharges and connections.
		Weaknesses: None noted at this time.
		SWMP Revisions to address deficiencies: None noted at this time.
	Part II.A.8 High Risk Industry Runoff	Strengths: FDOT District One screens all approved Drainage Connection Permits (DCP) against the most recent EPA Toxic Release Inventory (TRI). Any facility that has an approved DCP is and also listed on EPA's TRI list is added to FDOT's high risk inventory and is then inspected for any potential illicit discharges or connections. In addition, non-high risk facilities found to be discharging non-stormwater to FDOT District One's MS4 are also added to the high risk inventory and will be inspected in subsequent permit years consistent with the SOPs.
		Weaknesses: None noted at this time.
		SWMP Revisions to address deficiencies: None noted at this time.
	Part II.A.9 Construction Site Runoff	Strengths: FDOT has a standard operating procedure in place to ensure that FDOT construction sites are being inspected on a routine basis. All FDOT construction projects that require NPDES CGP coverage will be prioritized and the inspection frequency shall be associated with its priority level. The intent of this procedure is to ensure that construction activities are not negatively impacting adjacent properties, receiving waters or sensitive areas. The drainage connection permit requires that all construction projects draining to the Department's MS4 meet water quality treatment criteria. FDOT inspects the proposed outfall / drainage connection during construction. Any observed water quality violations will be reported to the appropriate agency or local municipality.
		Weaknesses: None noted at this time.
		SWMP Revisions to address deficiencies: None noted at this time.

SECTION IX. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)		
A.	**Permit Citation/ SWMP Element**	**Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY.** *DEP Note: There may be changes deemed necessary after developing / reviewing your plans and SOPs as per Part III.A of the permit, after completing your SWMP evaluation as per Part VI.B.2 of the permit, or due to a TMDL / BMAP as per Part VIII.B of the permit.*
		None noted at this time.
B.	**Permit Citation/ SWMP Element**	**Changes to the Stormwater Management Program Activities NOT Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change)** *DEP Note: There may be changes deemed necessary after developing / reviewing your plans and SOPs as per Part III.A of the permit, after completing your SWMP evaluation as per Part VI.B.2 of the permit, or due to a TMDL / BMAP as per Part VIII.B of the permit.*
		None noted at this time.

CHECKLIST A: ATTACHMENTS TO BE SUBMITTED WITH THE ANNUAL REPORTS

Below is a list of items required by the permit that may need to be attached to the annual report. Please check the appropriate box to indicate whether the item is attached or is not applicable for the current reporting period. Please provide the number and the title of the attachments in the blanks provided.

Attached	N/A	Rule / Permit Citation	Required Attachment	Attachment Number	Attachment Title
☒	☐	Part II.F	**EACH ANNUAL REPORT:** If program resources have decreased from the previous year, a discussion of the impacts on the implementation of the SWMP.	Appendix C	Fiscal Analysis
☐	☒	Part III.A.1	**EACH ANNUAL REPORT:** An explanation of why the minimum inspection frequency in Table II.A.1.a or in a revised/approved FDOT SSWMP, was not met, if applicable.		
☐	☒	Part III.A.4	**EACH ANNUAL REPORT:** A list of the flood control projects that did not include stormwater treatment and an explanation for each of why it did not, if applicable.		
☒	☐	Part V.B.9	**EACH ANNUAL REPORT:** Reporting and assessment of monitoring results. **[Also addressed in Section III of the Annual Report Form]**	Appendix A	Monitoring Program
☒	☐	Part VI.B.2	**EACH ANNUAL REPORT:** An evaluation of the effectiveness of the SWMP in reducing pollutant loads discharged from the MS4 that, at a minimum, must include responses to the questions listed in the permit.		See Section VIII of the Annual Report form.
☐	☒	Part VIII.B.3.e	**EACH ANNUAL REPORT:** A status report on the implementation of the requirements in this section of the permit and on the estimated load reductions that have occurred for the pollutant(s) of concern.		
☐	☒	Part VIII.B.4.f	**EACH ANNUAL REPORT after approval of the BPCP:** The status of the implementation of the Bacterial Pollution Control Plan (BPCP).		
☐	☒	Part III.A.1	**YEAR 1:** An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM).		
☐	☒	Part III.A.3	**YEAR 1:** If have curbs and gutters but no street sweeping program, an explanation of why no street sweeping program and the alternate BMPs used or planned.		
☐	☒	Part III.A.7.c	**YEAR 1:** A proactive illicit discharge / connection / dumping inspection program plan.		
☐	☒	Part III.A.9.b	**YEAR 1:** A construction site inspection program plan. **[For approval by DEP]**		
☒	☒	Part V.A.2	**YEAR 3:** Estimates of annual pollutant loadings and EMCs, and a table comparing the current calculated loadings with those from the previous two Year 3 ARs.	Appendix B	Lee and Polk County NPDES Phase I MS4 Pollutant Load Estimates report
☐	☒	Part V.A.3	**YEAR 4:** If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate.		
☐	☒	Part V.B.3	**YEAR 4:** The monitoring plan (with revisions, if applicable).		
☐	☒	Part VII.C	**YEAR 4:** An application to renew the permit.		
☐	☒	Part VIII.B.3.d	**YEAR 4:** A TMDL Implementation Plan / Supplemental SWMP.		

CHECKLIST B: THE REQUIRED ANNUAL REVIEWS OF WRITTEN STANDARD OPERATING PROCEDURES (SOPs) & PLANS

The permit requires annual review, and revision if needed, of written Standard Operating Procedures (SOPs) and plans (e.g., public education and outreach, training, inspections). Please indicate your review status below. **If you have made revisions that need DEP approval, you must complete Section VIII.A of the annual report.**

Did not complete review of existing SOP / Plan	Developed new written SOP / Plan	Reviewed & no revision needed to existing SOP / Plan	Reviewed & revised existing SOP / Plan	Permit Citation	Description of Required SOPs / Plans
☐	☐	☒	☐	Part III.A.1	SOP and/or schedule of inspections and maintenance activities of the structural controls and roadway stormwater collection system.
☐	☐	☒	☐	Part III.A.3	SOP for the litter control program.
☐	☐	☒	☐	Part III.A.3	SOP for the street sweeping program.
☐	☐	☒	☐	Part III.A.3	SOP for inspections of equipment yards and maintenance shops that support road maintenance activities.
☐	☐	☒	☐	Part III.A.5	SOP for inspections of waste treatment, storage, and disposal facilities not covered by an NPDES stormwater permit.
☐	☐	☒	☐	**Part III.A.7.c**	**Plan for proactive illicit discharge / connections / dumping inspections.***
☐	☐	☒	☐	Part III.A.7.c	SOP for reactive illicit discharge / connections / dumping investigations.
☐	☐	☒	☐	Part III.A.7.c	Plan for illicit discharge training.
☐	☐	☒	☐	Part III.A.7.d	SOP for spill prevention and response efforts.
☐	☐	☒	☐	Part III.A.7.d	Plan for spill prevention and response training.
☐	☐	☒	☐	Part III.A.8	SOP for inspections of high risk industrial facility outfalls.
☐	☐	☒	☐	**Part III.A.9.b**	**Plan for inspections of construction sites.***
☐	☐	☒	☐	Part III.A.9.c	Plan for stormwater, erosion and sedimentation BMPs training.

*** Revisions to these plans require DEP approval – please complete Section VIII.A of the annual report.**

REMINDER LIST OF THE TMDL / BMAP REPORTS TO BE SUBMITTED SEPARATELY FROM AN ANNUAL REPORT		
Rule / Permit Citation	**Report Title**	**Due Date**
Part VIII.B.3.a	**6 MONTHS from effective date of permit:** TMDL Prioritization Report.	7/1/13
Part VIII.B.3.b	**12 MONTHS from effective date of permit:** TMDL Monitoring and Assessment Plan.	1/1/14
Part VIII.B.3.c	**6 MONTHS from receiving analyses from the lab:** TMDL Monitoring Report.	TBD
Part VIII.B.4	**30 MONTHS from start date per TMDL Prioritization Report:** A Bacterial Pollution Control Plan (BPCP).	TBD

BMAP Reporting

MS4 permittees are NOT required to submit the annual report required by any BMAP that applies to them since the NPDES Stormwater Staff can obtain them from the department's Watershed Planning and Coordination staff. However, to assure that the stormwater staff are aware of which BMAPs apply to the MS4 permittees and when the latest BMAP annual report was submitted, please complete the information below, if applicable:

Rule/Permit Citation	BMAP Title	Date BMAP Annual Report Submitted to DEP
Part VIII.B.2		
Part VIII.B.2		
Part VIII.B.2		
Part VIII.B.2		

END OF REVISED TAILORED MS4 AR FORM – CYCLE 3 PERMIT

LIST OF APPENDICES

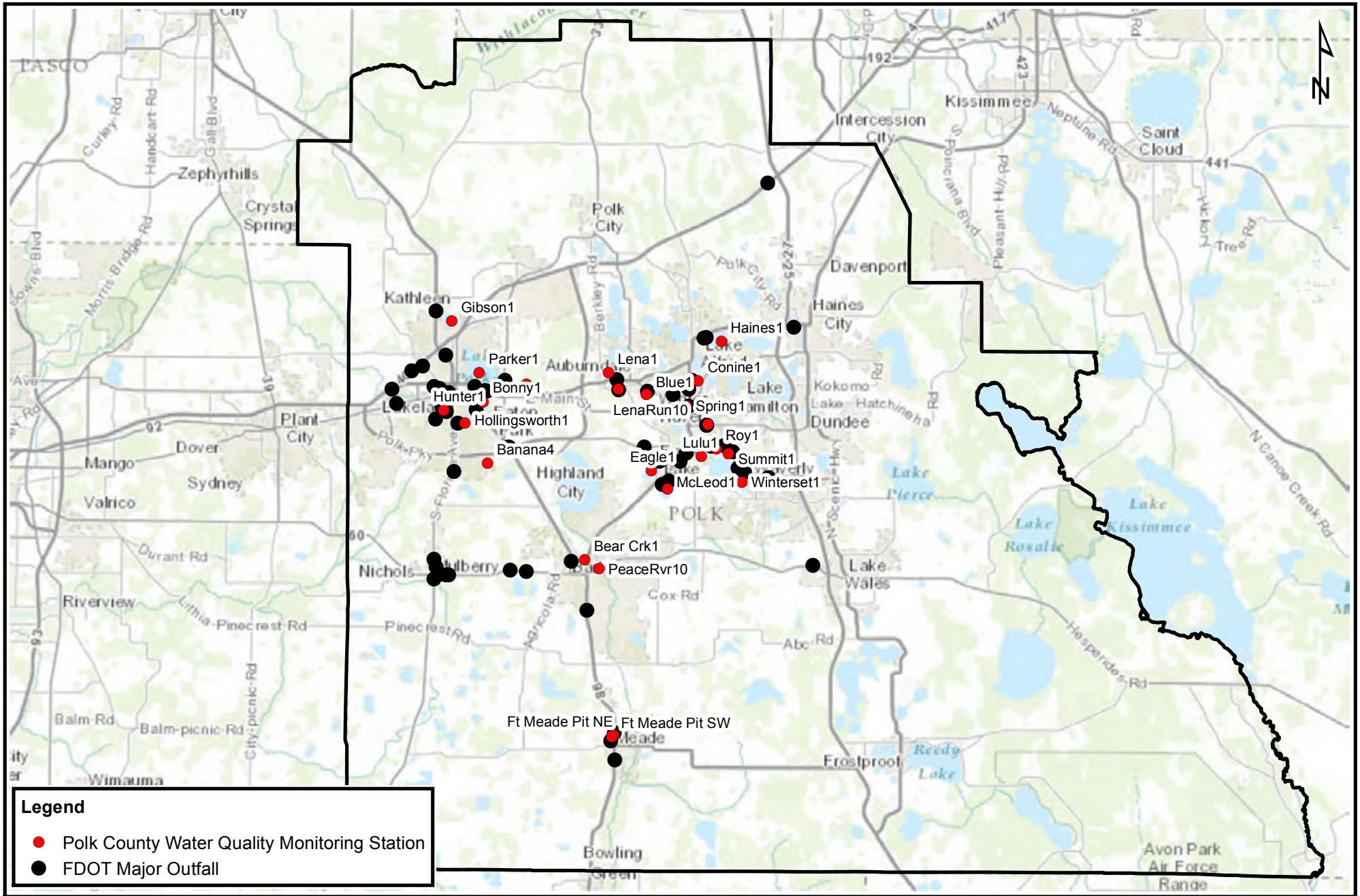
APPENDIX A

Monitoring Program
(Permit Section III.A)

Monitoring Program
(Permit Section III.A)

Item	**Documentation/Record**
Water Quality Monitoring Map	Locations of FDOT major outfalls and corresponding Polk County water quality monitoring stations
Water Quality Analysis	Charts and trends of nutrients for waterbodies where there are FDOT major outfalls and corresponding Polk County water quality monitoring stations

P:\Projects\1-1400-1499\1-1464-033\3_data and research\GIS\POLK_Water_quality_ambient_monitoring.mxd



FDOT

FDOT Water Quality Monitoring

Polk County

Location Map

FIGURE 1

DRAWN BY:	CHECKED BY:	PROJECT NUMBER:	SCALE:	DATE:
JM	DR	1-1464-33	1 " = 40,000 '	3/27/2014

Water Quality Analysis
(Permit Section III.A)

Polk County collected data for Total Nitrogen (TN) and Total Phosphorus (TP) at each of the stations listed in Table 1 from January 2004 to December 2014.

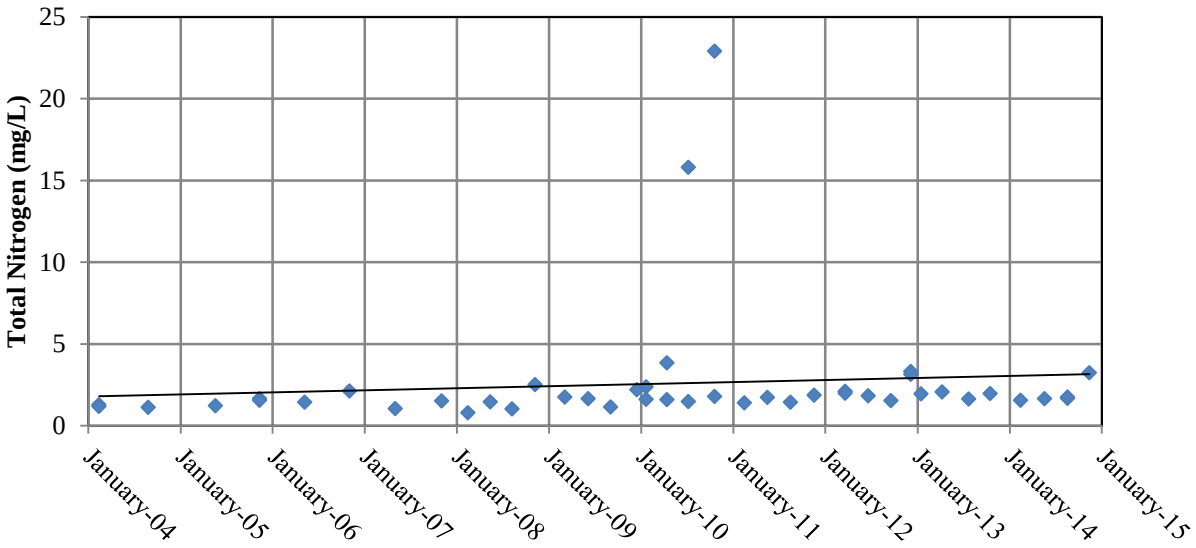
Below represents trends in water quality data obtained from Polk County monitoring stations where FDOT major outfalls have an influence in ambient water quality. FDOT's approach included mapping the Polk County ambient water quality monitoring stations along with FDOT's major outfalls. Only data from the County's ambient water quality monitoring stations that were located downstream from an FDOT major outfall were analyzed. The Polk County water quality stations which do not receive any influence from FDOT major outfalls are not reported here, and in some cases, there were no monitoring stations downstream of FDOT major outfalls to report.

Table 1 provides a list of FDOT major outfalls and the associated Polk County monitoring stations. Figure 1 shows the locations of the FDOT major outfalls and the Polk County monitoring stations. Tables 2 through 49 show the water quality data at the Polk County monitoring stations and the trend analysis.

Table 1. FDOT major outfall and associated Polk County water quality monitoring station

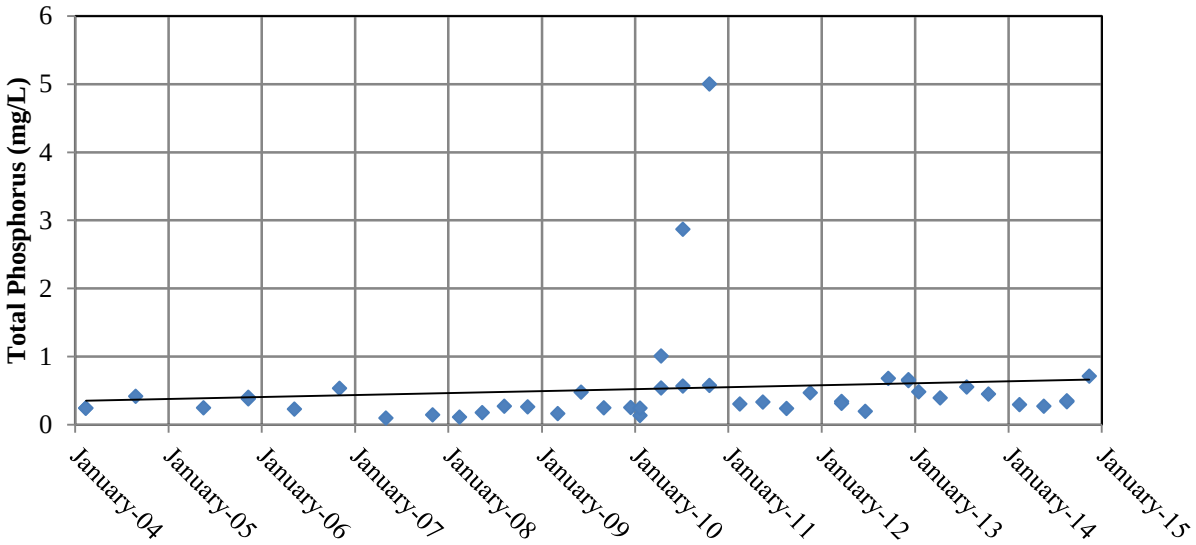
Outfall ID	Polk County Station ID	Outfall ID	Polk County Station ID
FDOT-600-10	none	FDOT-37-15	none
FDOT-35-170	Gibson1	FDOT-37-10	none
FDOT-546-15	none	FDOT-60-20	none
FDOT-539-5	none	FDOT-37-20	none
FDOT-563-15	Hunter1	FDOT-60-25	none
FDOT-37-65	Hunter1	FDOT-60-130	none
FDOT-563-8	Hunter1	FDOT-37-15	none
FDOT-37-60	Hollingsworth1	FDOT-37-10	none
FDOT-563-30	none	FDOT-60-20	none
FDOT-563-25	none	FDOT-37-20	none
FDOT-546-30	Parker1	FDOT-60-25	none
FDOT-546-75	Parker1	FDOT-60-30	none
FDOT-600-30	Parker1	FDOT-555-35	none
FDOT-659-15	Saddle Crk Pk Y	FDOT-555-40	Lulu1
FDOT-35-145	Bonny1	FDOT-540-65	none
FDOT-35-135	Banana4	FDOT-540-60	Summit1
FDOT-60-45	none	FDOT-542-05	Ltl Elbert1
FDOT-60-35	none	FDOT-555-55	Spring1
FDOT-37-50	none	FDOT-544-115	Hartridge1
FDOT-540-70	Winterset1	OF187	none
FDOT-540-75	none	FDOT-555-85	Conine1
FDOT-600-210	Lena1	FDOT-35-155	Parker1
FDOT-655-10	Lena Run10	FDOT-600-235	none
FDOT-544-90	Blue1	OF16120-3504-03	Eagle1
FDOT-35-105	none	OF16300-3511-05	none
FDOT-35-100	Peace Rvr10	OF16300-3511-03	Roy1
FDOT-555-25	McLeod1	OF16300-3511-01	none
FDOT-555-30	McLeod1	OF16118-3503-03	none
FDOT-35-65	Ft Meade Pit NE	OF16320-3408-11	none
FDOT-35-50	Ft Meade Pit SW	OF16320-3409-01	none
FDOT-35-45	none	Polk4	none
FDOT-600-275	Haines1	Polk5	none
FDOT-600-280	Haines1	FDOT-542-07	Ltl Elbert1
FDOT-60-130	none		

Table 2. Total Nitrogen at Banana4 (FDOT major outfall: FDOT-35-135)



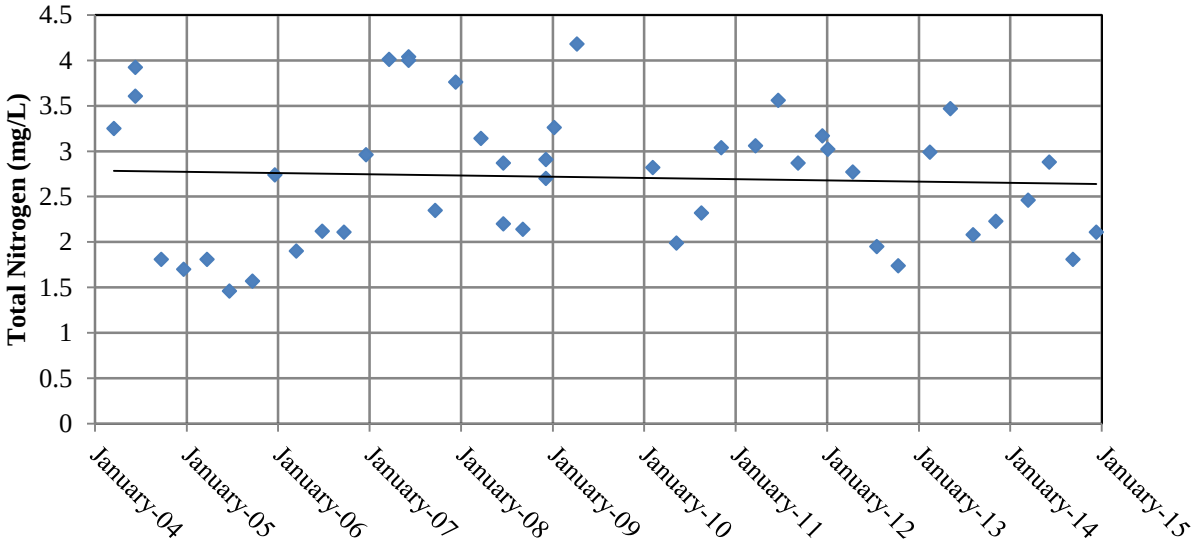
There is an overall positive trend in Total Nitrogen at Banana4. The correlation coefficient is 0.10, so the trend line of the data explains 10% of the variance in the data.

Table 3. Total Phosphorus at Banana4 (FDOT major outfall: FDOT-35-135)



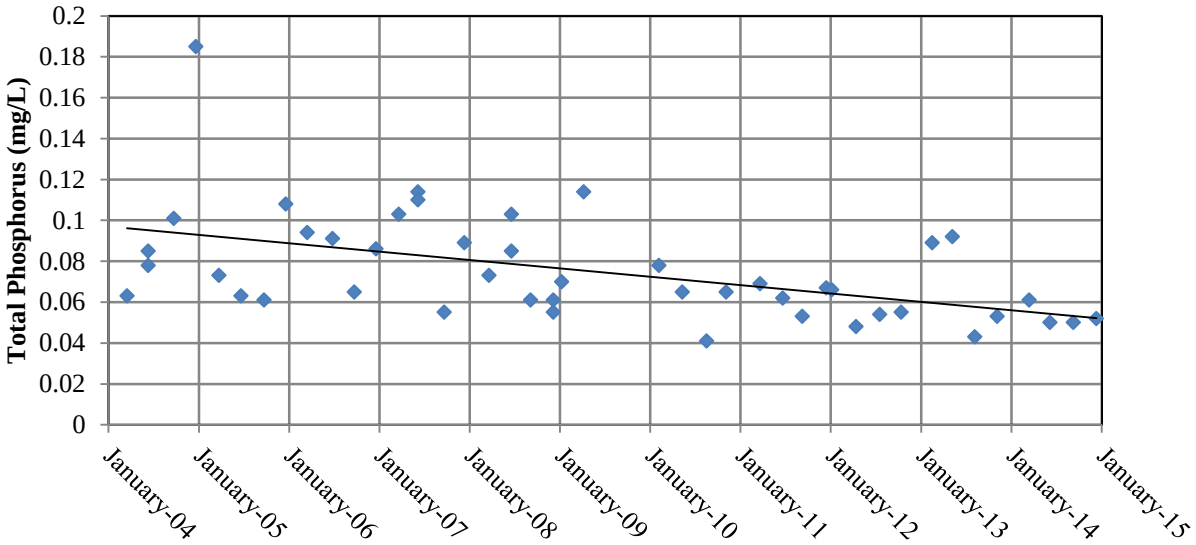
There is an overall positive trend in Total Phosphorus at Banana4. The correlation coefficient is 0.11, so the trend line of the data explains 11% of the variance in the data.

Table 4. Total Nitrogen at Blue1 (FDOT major outfall: FDOT-544-90)



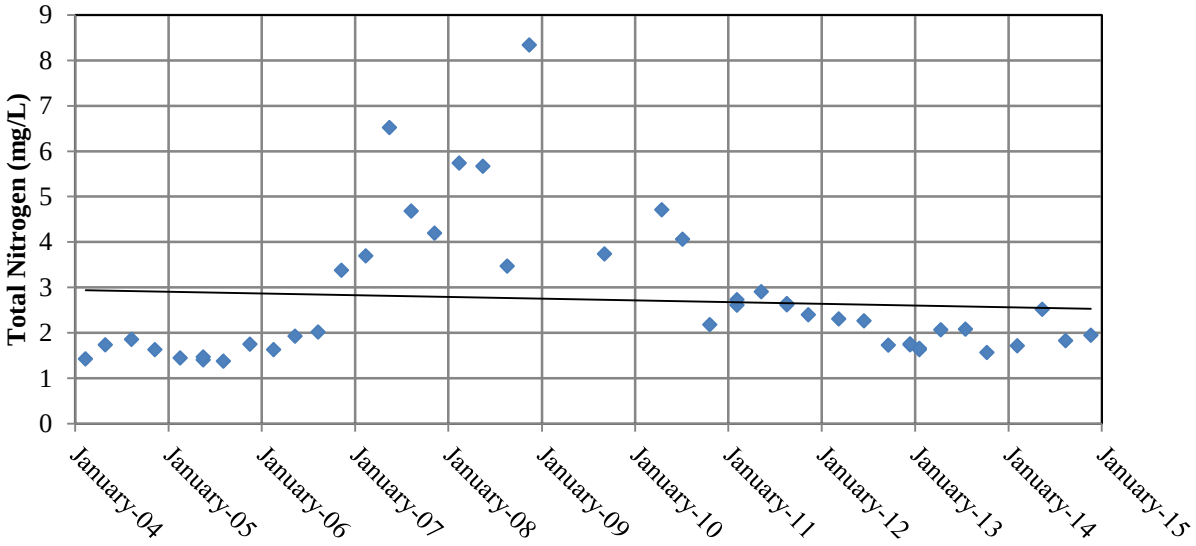
There is an overall negative trend in Total Nitrogen at Blue1. The correlation coefficient is -0.06, so the trend line of the data explains 6% of the variance in the data.

Table 5. Total Phosphorus at Blue1 (FDOT major outfall: FDOT-544-90)



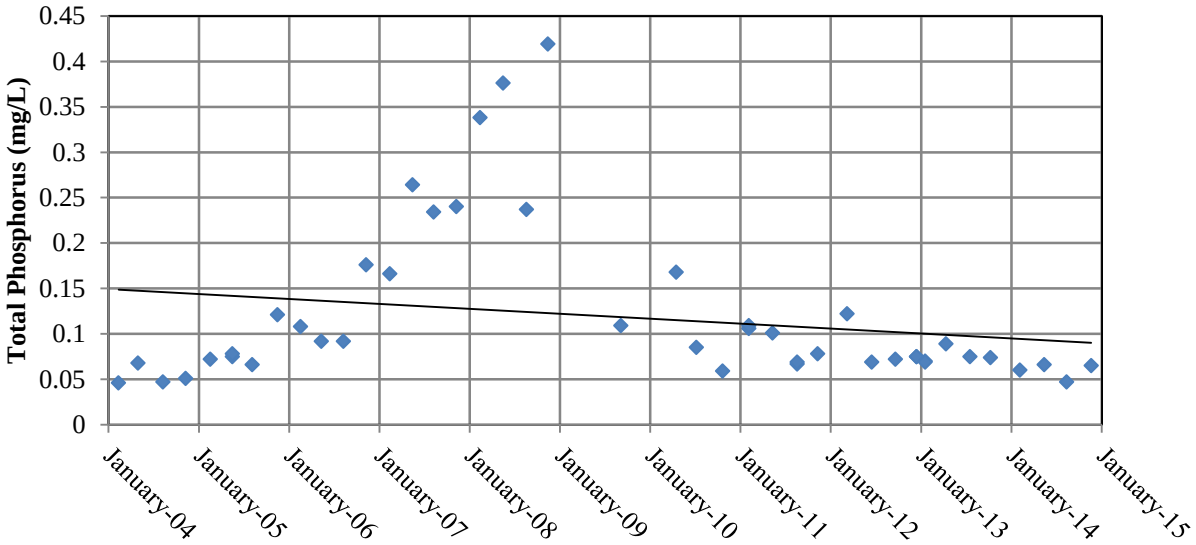
There is an overall negative trend in Total Phosphorus at Blue1. The correlation coefficient is -0.51, so the trend line of the data explains 51% of the variance in the data.

Table 6. Total Nitrogen at Bonny1 (FDOT major outfall: FDOT-35-145)



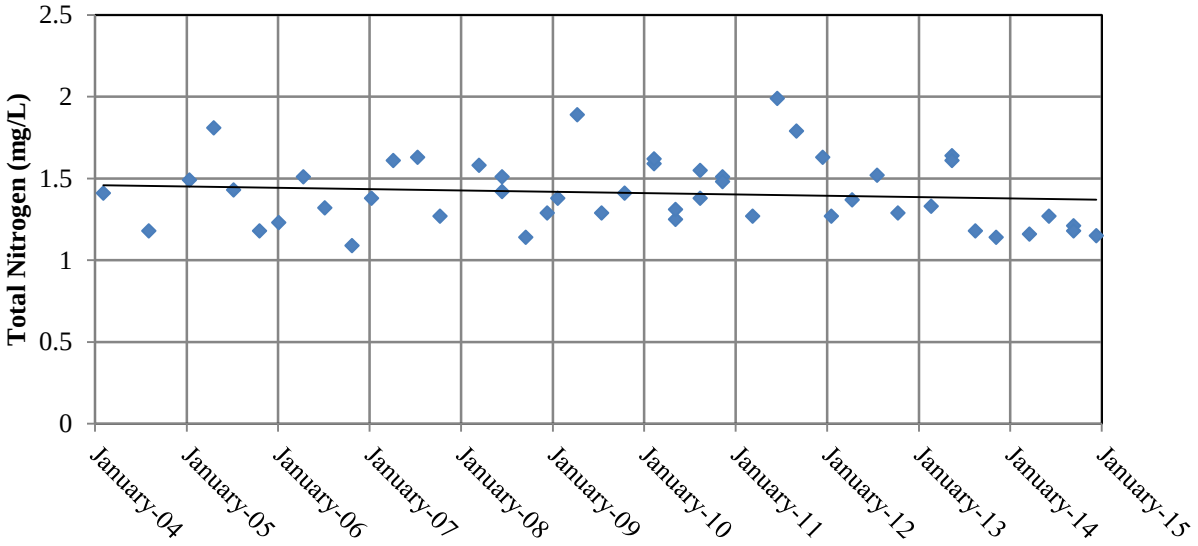
There is an overall negative trend in Total Nitrogen at Bonny1. The correlation coefficient is -0.08, so the trend line of the data explains 8% of the variance in the data.

Table 7. Total Phosphorus at Bonny1 (FDOT major outfall: FDOT-35-145)



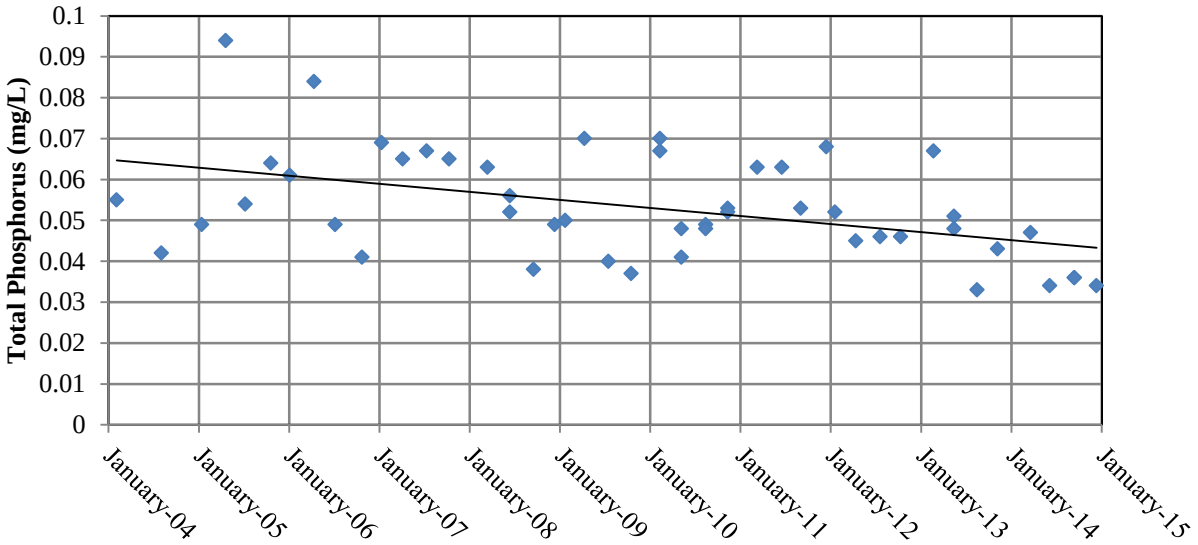
There is an overall negative trend in Total Phosphorus at Bonny1. The correlation coefficient is -0.20, so the trend line of the data explains 20% of the variance in the data.

Table 8. Total Nitrogen at Conine1 (FDOT major outfall: FDOT-555-85)



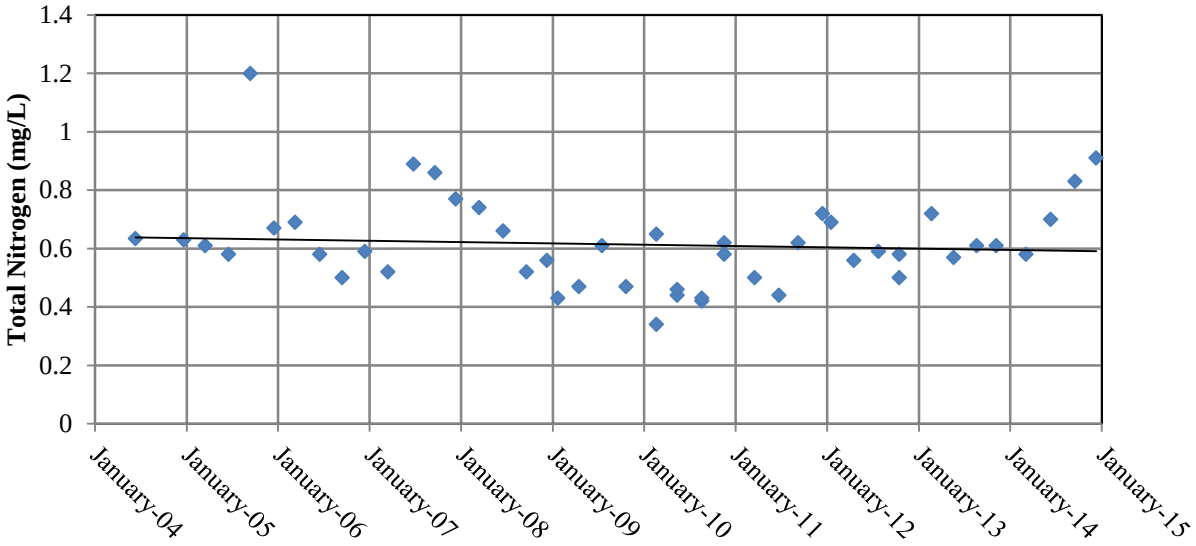
There is an overall negative trend in Total Nitrogen at Conine1. The correlation coefficient is -0.12, so the trend line of the data explains 12% of the variance in the data.

Table 9. Total Phosphorus at Conine1 (FDOT major outfall: FDOT-555-85)



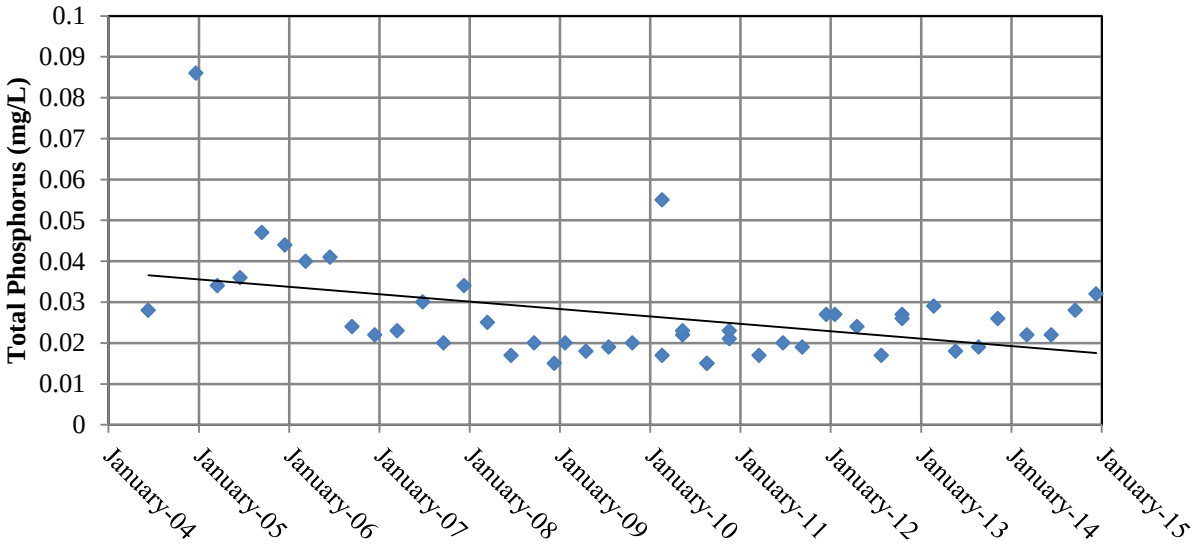
There is an overall negative trend in Total Phosphorus at Conine1. The correlation coefficient is -0.46, so the trend line of the data explains 46% of the variance in the data.

Table 10. Total Nitrogen at Eagle1 (FDOT major outfall: OF16120-3504-03)



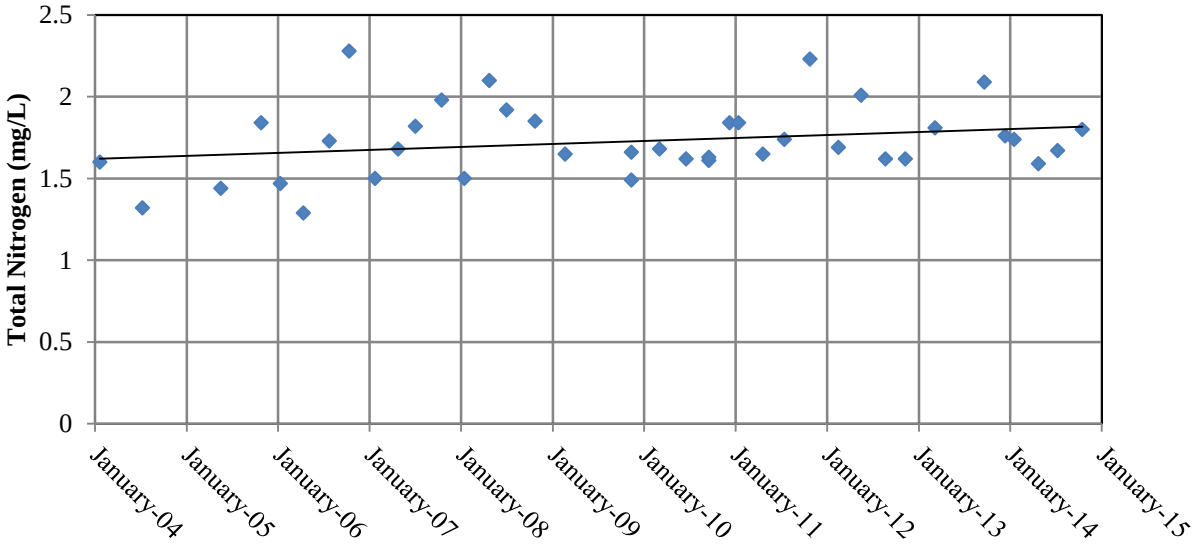
There is an overall negative trend in Total Nitrogen at Eagle1. The correlation coefficient is -0.09, so the trend line of the data explains 9% of the variance in the data.

Table 11. Total Phosphorus at Eagle1 (FDOT major outfall: OF16120-3504-03)



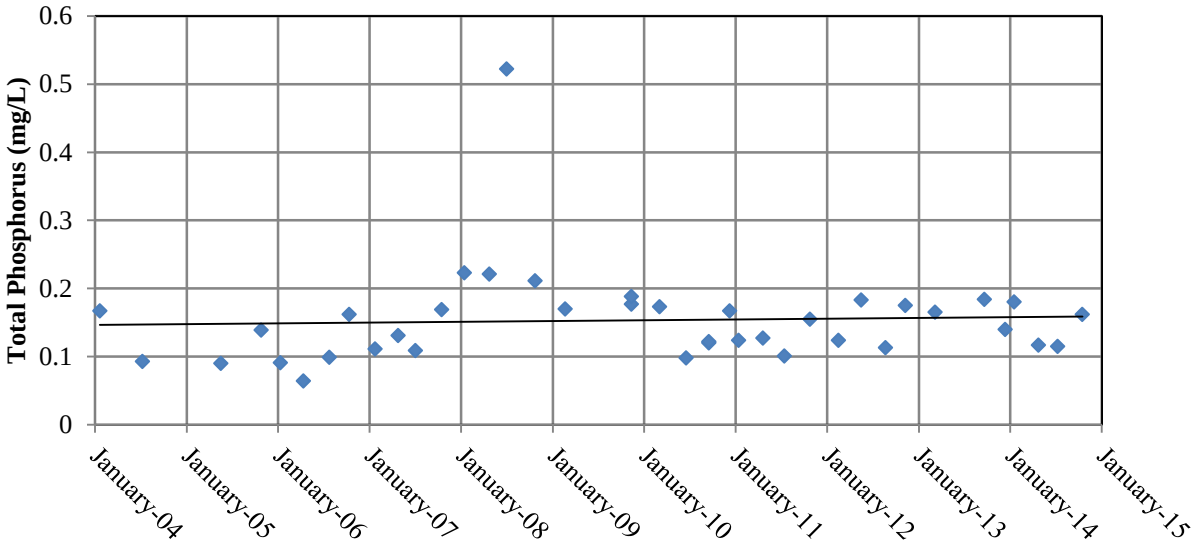
There is an overall negative trend in Total Phosphorus at Eagle1. The correlation coefficient is -0.42, so the trend line of the data explains 42% of the variance in the data.

Table 12. Total Nitrogen at Ft Meade Pit NE (FDOT major outfall: FDOT-35-65)



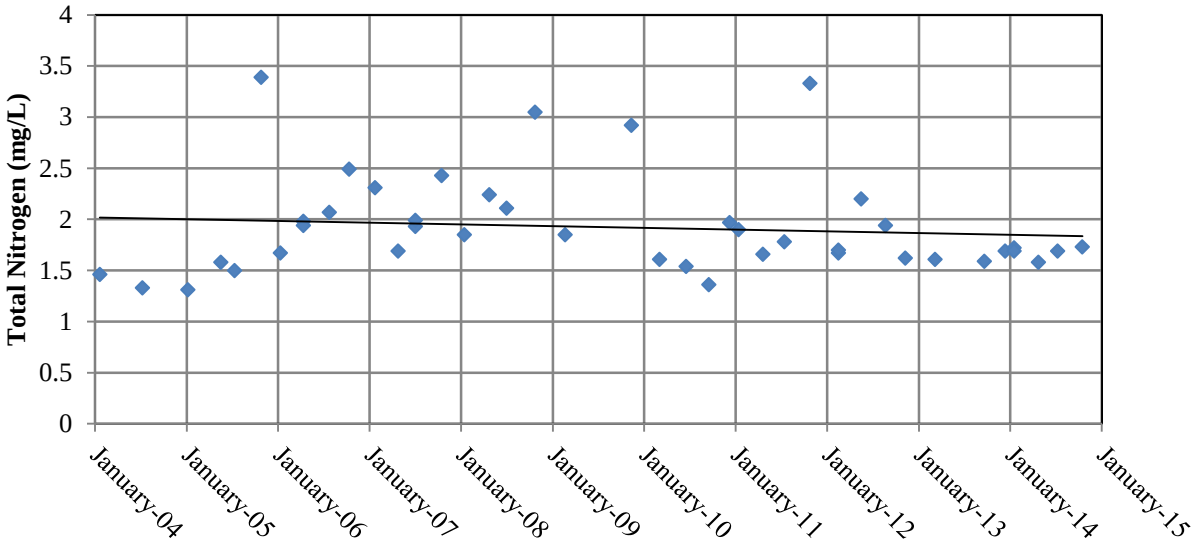
There is an overall positive trend in Total Nitrogen at Ft Meade Pit NE. The correlation coefficient is 0.25, so the trend line of the data explains 25% of the variance in the data.

Table 13. Total Phosphorus at Ft. Meade Pit NE (FDOT major outfall: FDOT-35-65)



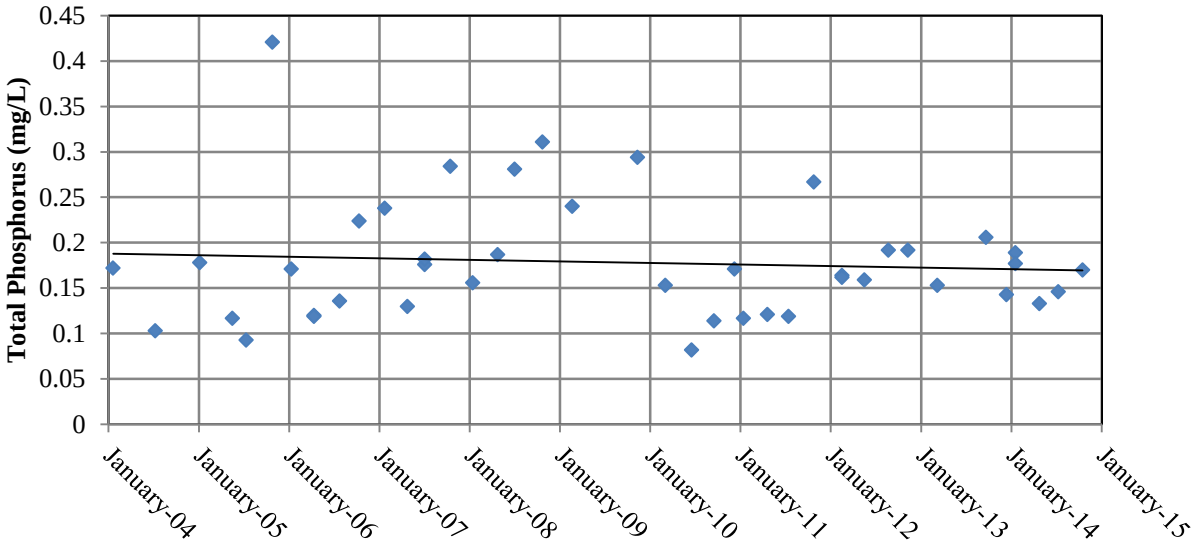
There is an overall positive trend in Total Phosphorus at Ft Meade Pit NE. The correlation coefficient is 0.05, so the trend line of the data explains 5% of the variance in the data.

Table 14. Total Nitrogen at Ft Meade Pit SW (FDOT major outfall: FDOT-35-50)



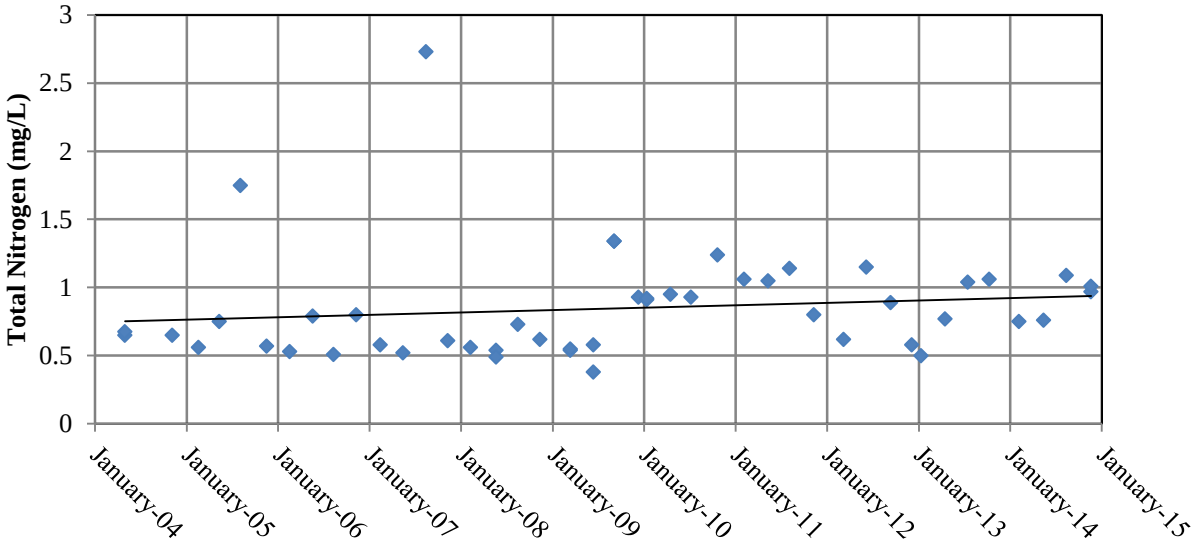
There is an overall negative trend in Total Nitrogen at Ft Meade Pit SW. The correlation coefficient is -0.11, so the trend line of the data explains 11% of the variance in the data.

Table 15. Total Phosphorus at Ft Meade Pit SW (FDOT major outfall: FDOT-35-50)



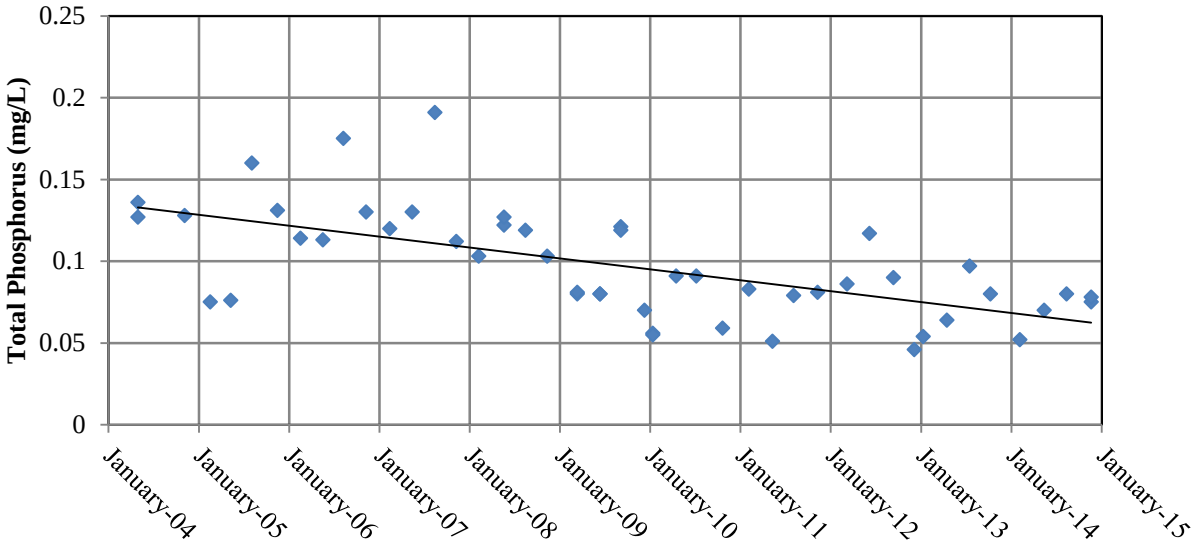
There is an overall negative trend in Total Phosphorus at Ft Meade Pit SW. The correlation coefficient is -0.08, so the trend line of the data explains 8% of the variance in the data.

Table 16. Total Nitrogen at Gibson1 (FDOT major outfall: FDOT-35-170)



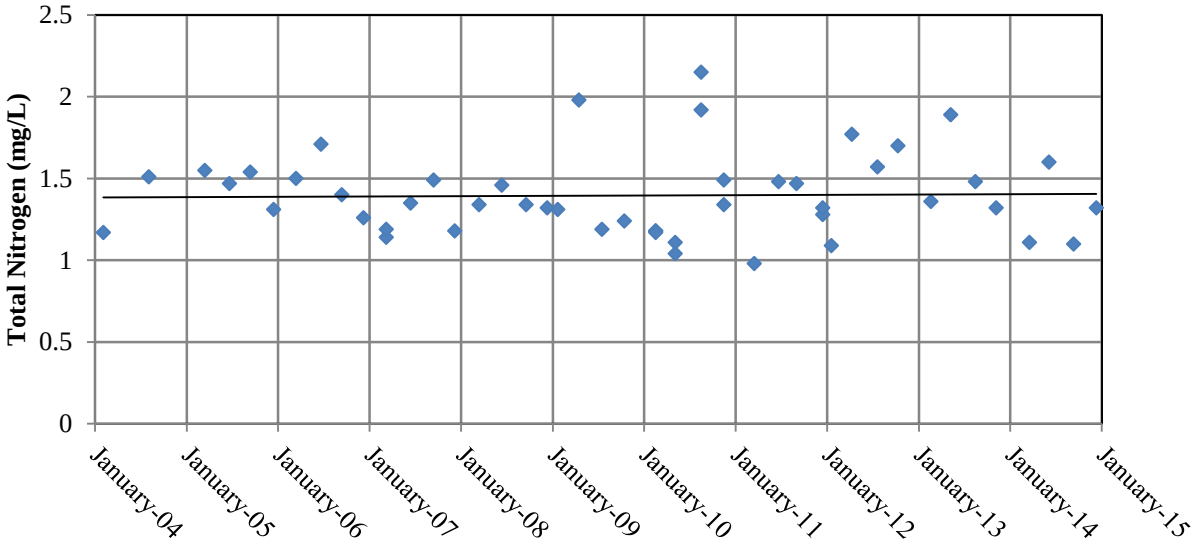
There is an overall positive trend in Total Nitrogen at Gibson1. The correlation coefficient is 0.14, so the trend line of the data explains 14% of the variance in the data.

Table 17. Total Phosphorus at Gibson1 (FDOT major outfall: FDOT-35-170)



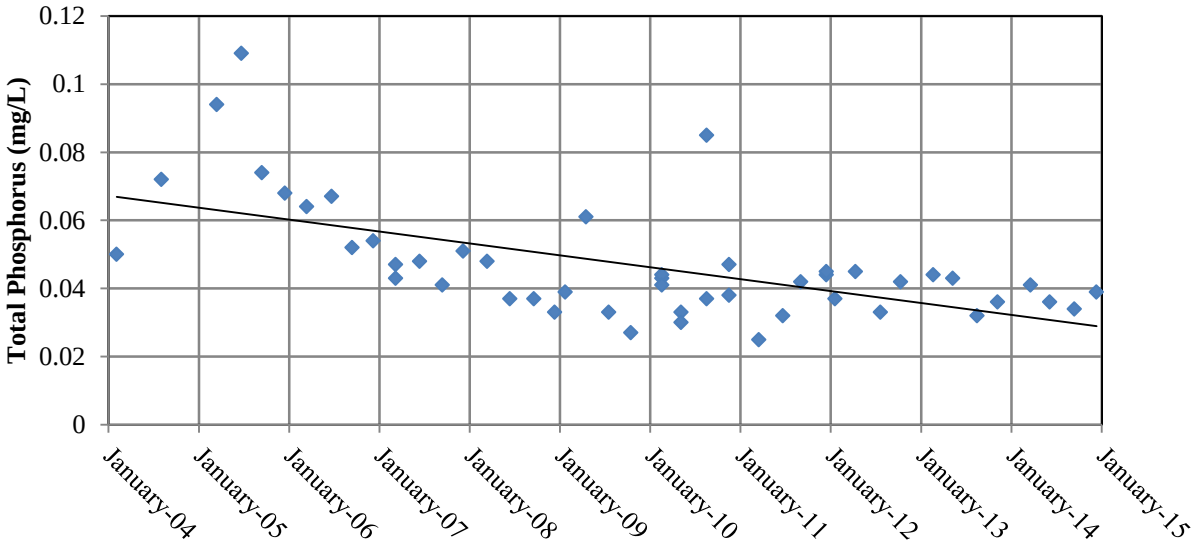
There is an overall negative trend in Total Phosphorus at Gibson1. The correlation coefficient is -0.62, so the trend line of the data explains 62% of the variance in the data.

Table 18. Total Nitrogen at Haines1 (FDOT major outfall: FDOT-600-275 & FDOT-600-280)



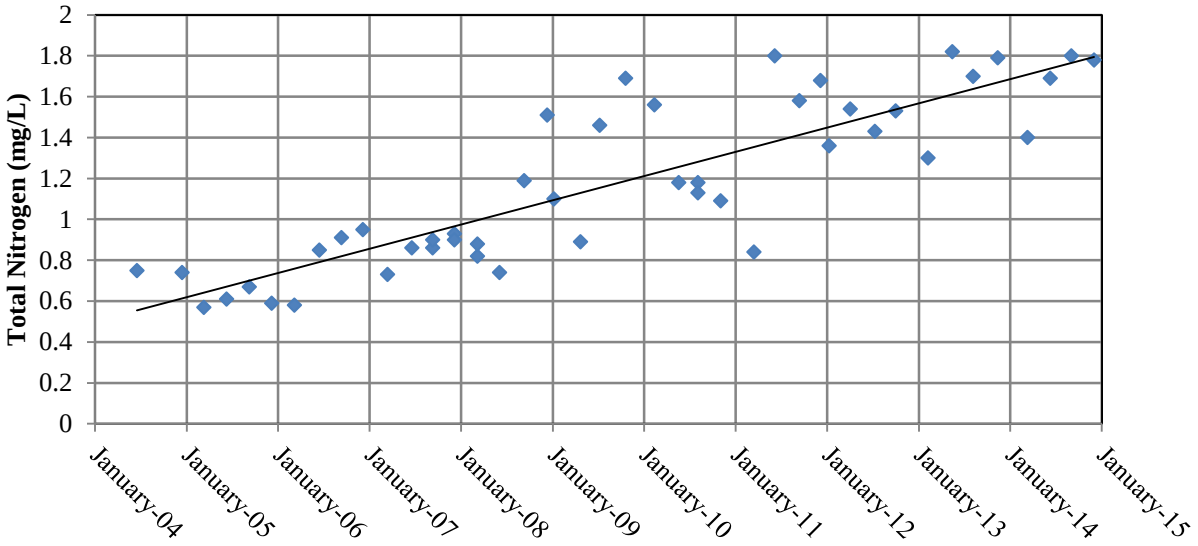
There is an overall positive trend in Total Nitrogen at Haines1. The correlation coefficient is 0.02, so the trend line of the data explains 2% of the variance in the data.

Table 19. Total Phosphorus at Haines1 (FDOT major outfall: FDOT-600-275 & FDOT-600-280)



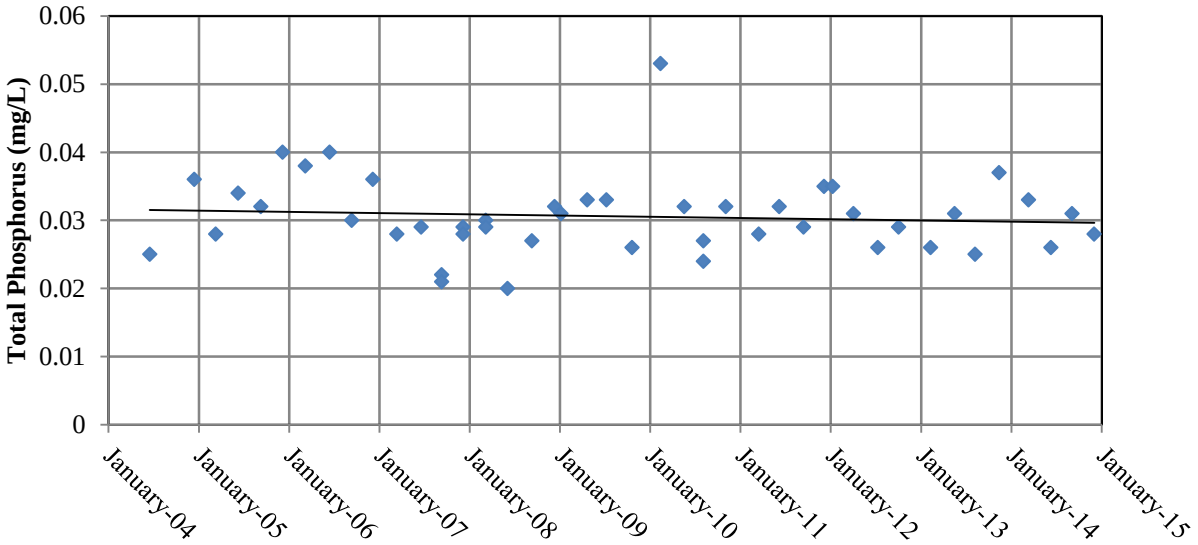
There is an overall negative trend in Total Phosphorus at Haines1. The correlation coefficient is -0.59, so the trend line of the data explains 59% of the variance in the data.

Table 20. . Total Nitrogen at Hatridge1 (FDOT major outfall: FDOT-544-115)



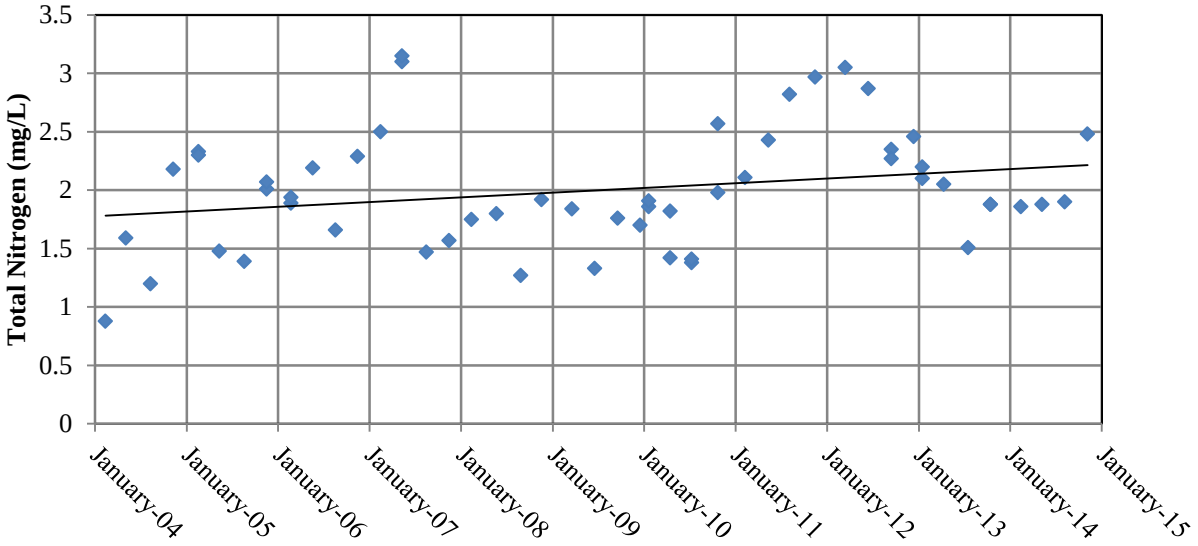
There is an overall positive trend in Total Nitrogen at Hatridge1. The correlation coefficient is 0.86, so the trend line of the data explains 86% of the variance in the data.

Table 21. Total Phosphorus at Hatridge1 (FDOT major outfall: FDOT-544-115)



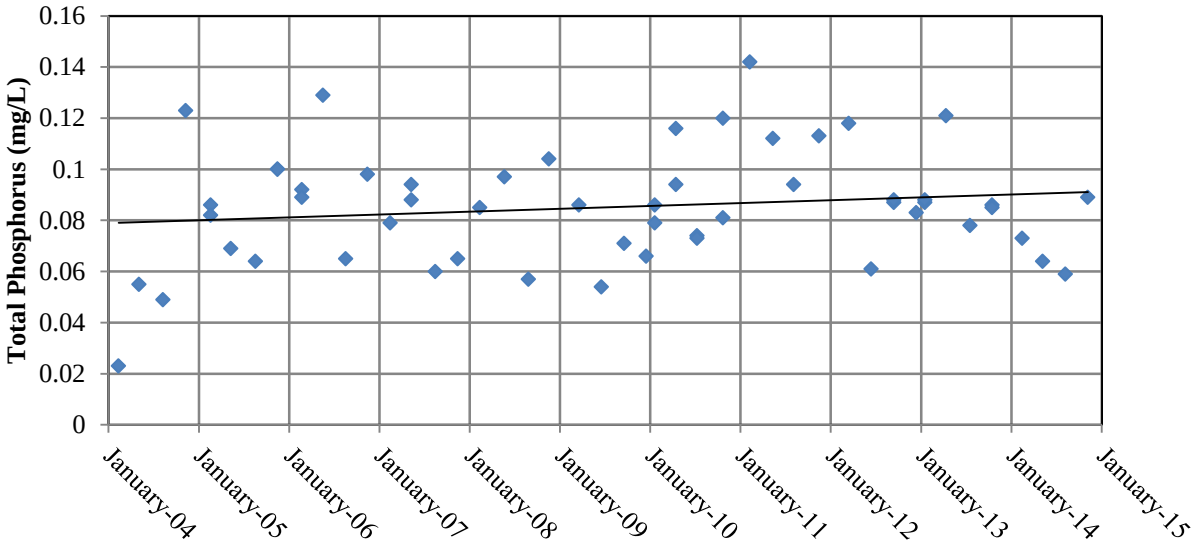
There is an overall negative trend in Total Phosphorus at Hatridge1. The correlation coefficient is -0.09, so the trend line of the data explains 9% of the variance in the data.

Table 22. Total Nitrogen at Hollingsworth1 (FDOT major outfall: FDOT-37-60)



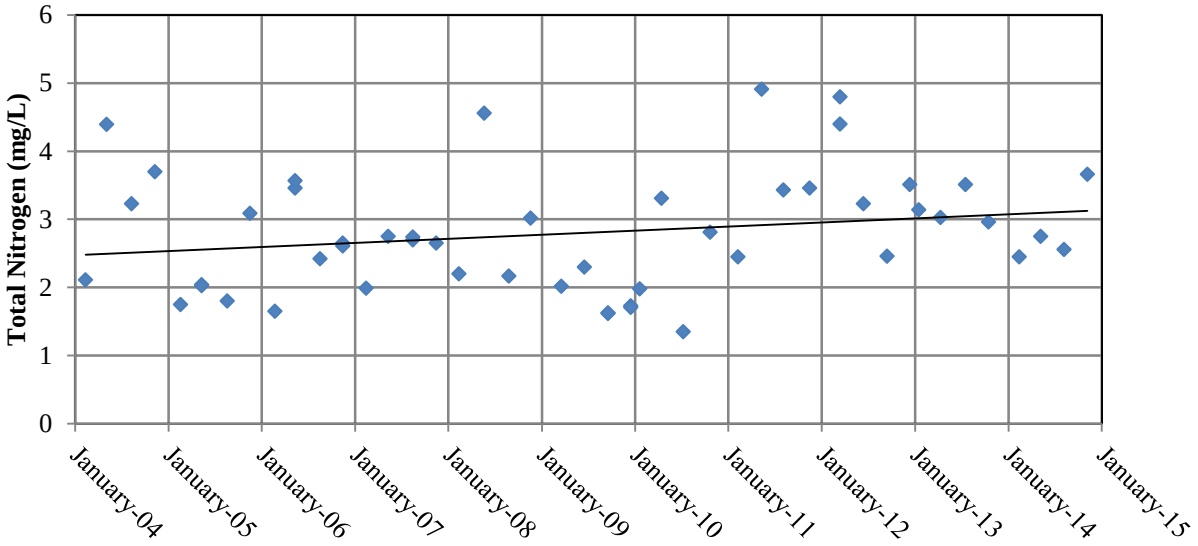
There is an overall positive trend in Total Nitrogen at Hollingsworth1. The correlation coefficient is 0.25, so the trend line of the data explains 25% of the variance in the data.

Table 23. Total Phosphorus at Hollingsworth1 (FDOT major outfall: FDOT-37-60)



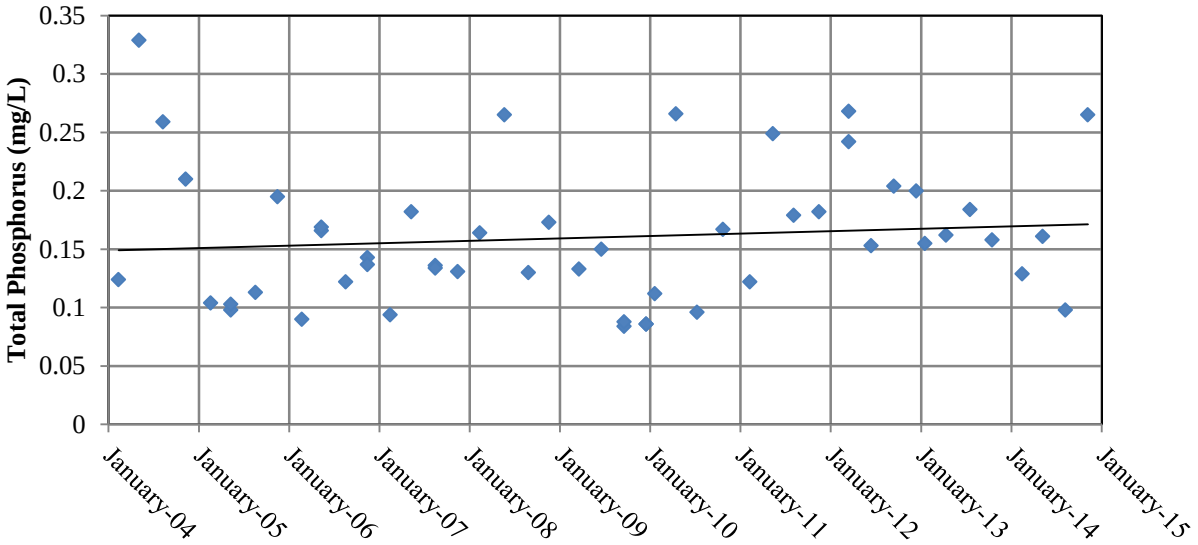
There is an overall positive trend in Total Phosphorus at Hollingsworth1. The correlation coefficient is 0.16, so the trend line of the data explains 16% of the variance in the data.

Table 24. Total Nitrogen at Hunter1 (FDOT major outfall: FDOT-563-15, FDOT-37-65, & FDOT-563-8)



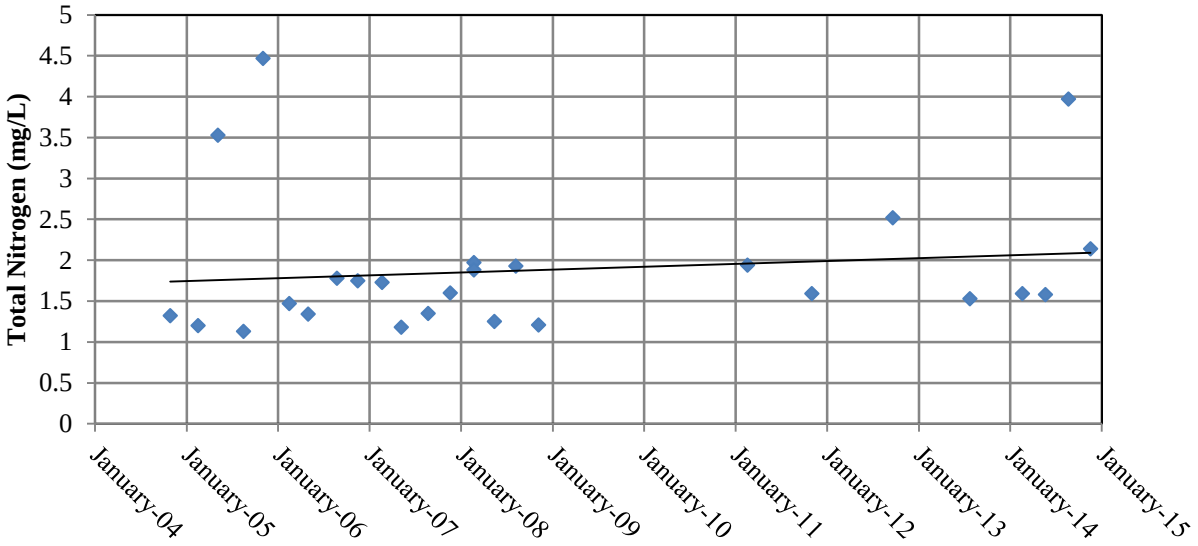
There is an overall positive trend in Total Nitrogen at Hunter1. The correlation coefficient is 0.21, so the trend line of the data explains 21% of the variance in the data.

Table 25. Total Phosphorus at Hunter1 (FDOT major outfall: FDOT-563-15, FDOT-37-65, & FDOT-563-8)



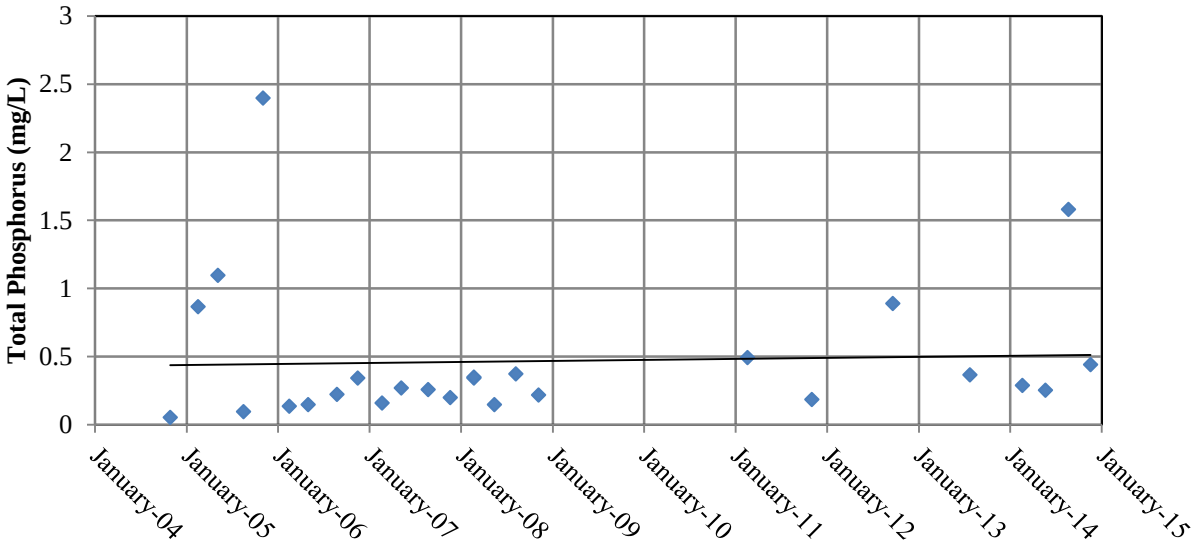
There is an overall positive trend in Total Phosphorus at Hunter1. The correlation coefficient is 0.11, so the trend line of the data explains 11% of the variance in the data.

Table 26. Total Nitrogen at LenaRun1 (FDOT major outfall: FDOT-655-10)



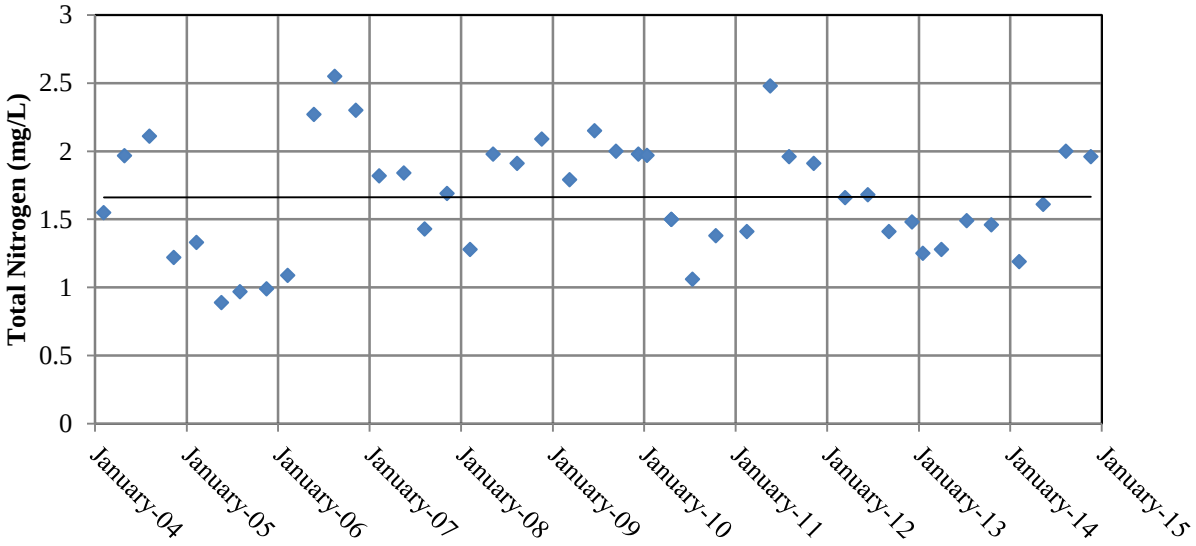
There is an overall positive trend in Total Nitrogen at LenaRun1. The correlation coefficient is 0.14, so the trend line of the data explains 14% of the variance in the data.

Table 27. Total Phosphorus at LenaRun1 (FDOT major outfall: FDOT-655-10)



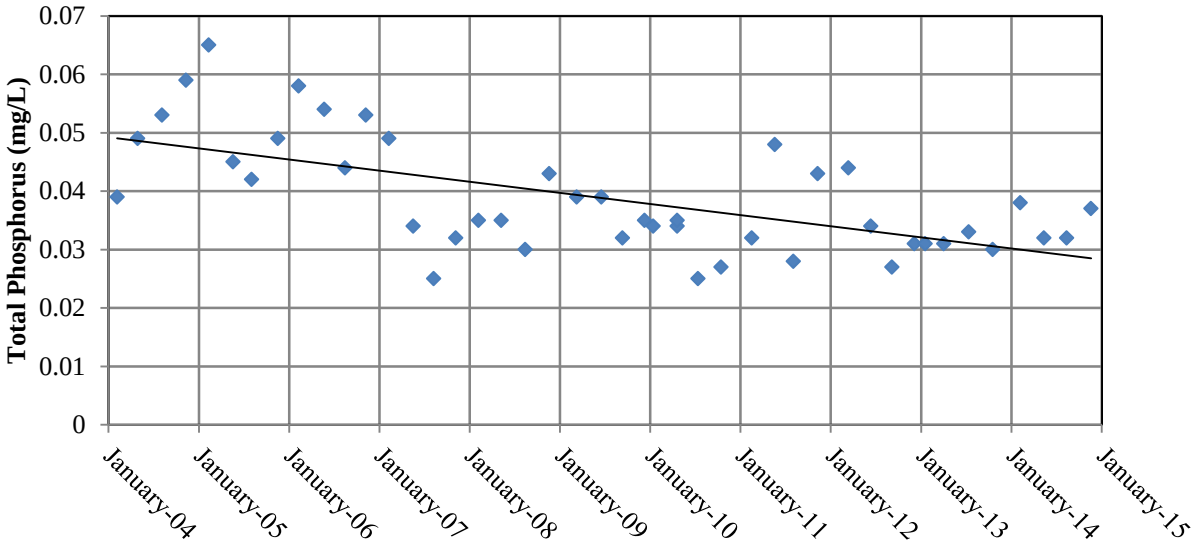
There is an overall positive trend in Total Phosphorus at LenaRun1. The correlation coefficient is 0.05, so the trend line of the data explains 5% of the variance in the data.

Table 28. Total Nitrogen at Lena1 (FDOT major outfall: FDOT-600-210)



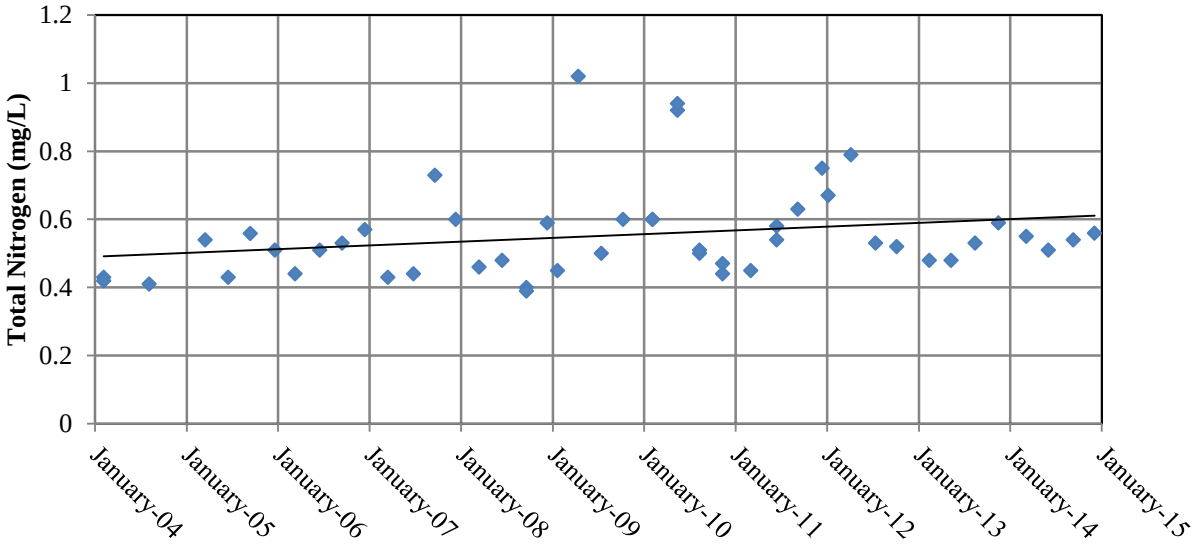
There is an overall positive trend in Total Nitrogen at Lena1. The correlation coefficient is 0.01, so the trend line of the data explains 1% of the variance in the data.

Table 29. Total Phosphorus at Lena1 (FDOT major outfall: FDOT-600-210)



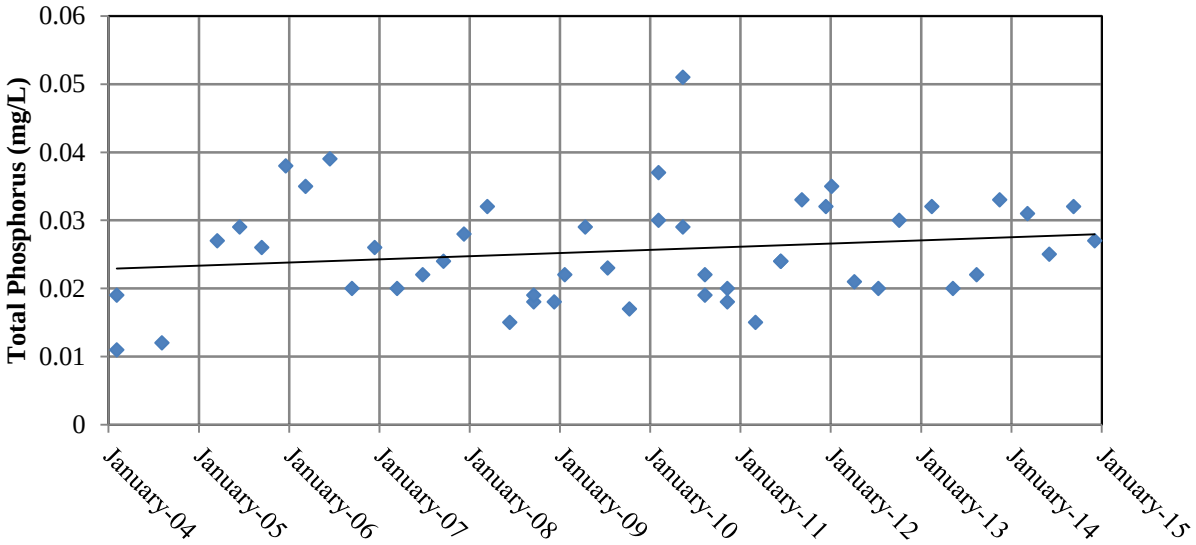
There is an overall negative trend in Total Phosphorus at Lena1. The correlation coefficient is -0.62, so the trend line of the data explains 62% of the variance in the data.

Table 30. Total Nitrogen at Ltl Elbert1 (FDOT major outfall: FDOT-542-05 & FDOT-542-07)



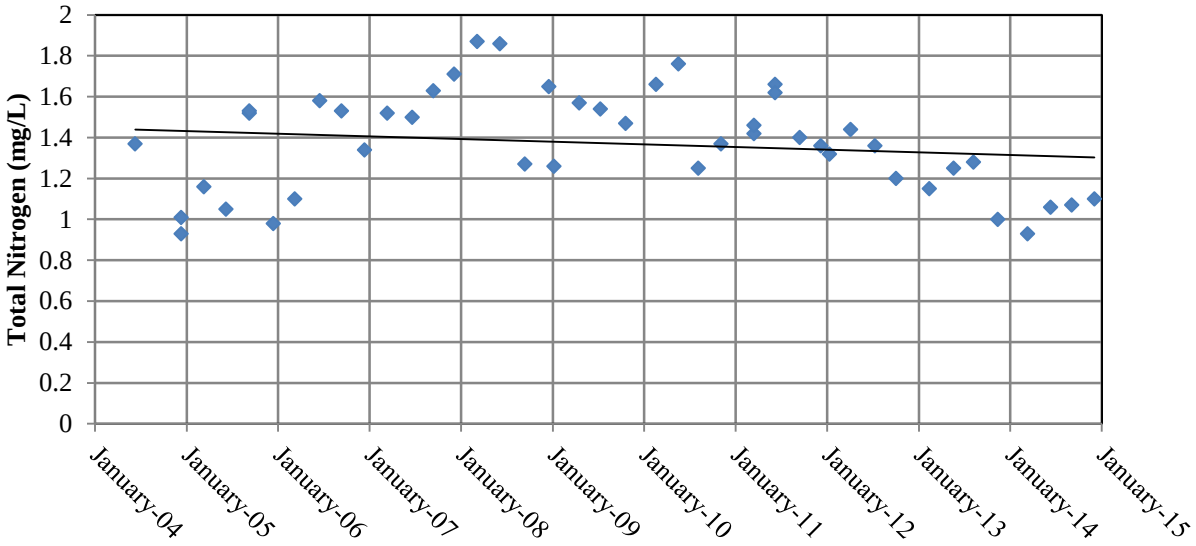
There is an overall positive trend in Total Nitrogen at Ltl Elbert1. The correlation coefficient is 0.24, so the trend line of the data explains 24% of the variance in the data.

Table 31. Total Phosphorus at Ltl Elbert1 (FDOT major outfall: FDOT-542-05 & FDOT-542-07)



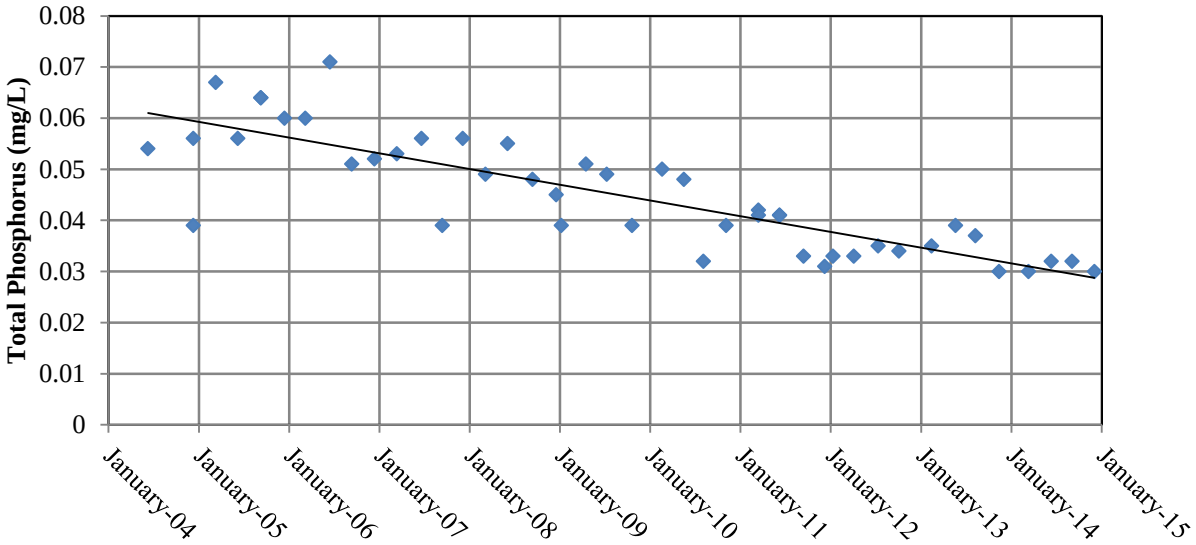
There is an overall positive trend in Total Phosphorus at Ltl Elbert1. The correlation coefficient is 0.18, so the trend line of the data explains 18% of the variance in the data.

Table 32. Total Nitrogen at Lulu1 (FDOT major outfall: FDOT-555-40)



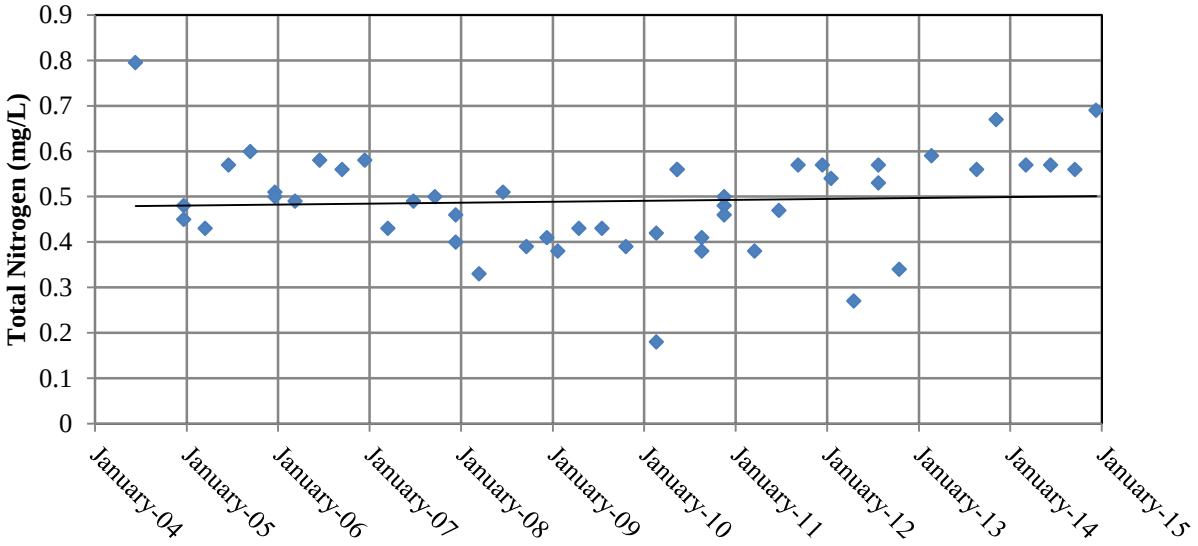
There is an overall negative trend in Total Nitrogen at Lulu1. The correlation coefficient is -0.16, so the trend line of the data explains 16% of the variance in the data.

Table 33. Total Phosphorus at Lulu1 (FDOT major outfall: FDOT-555-40)



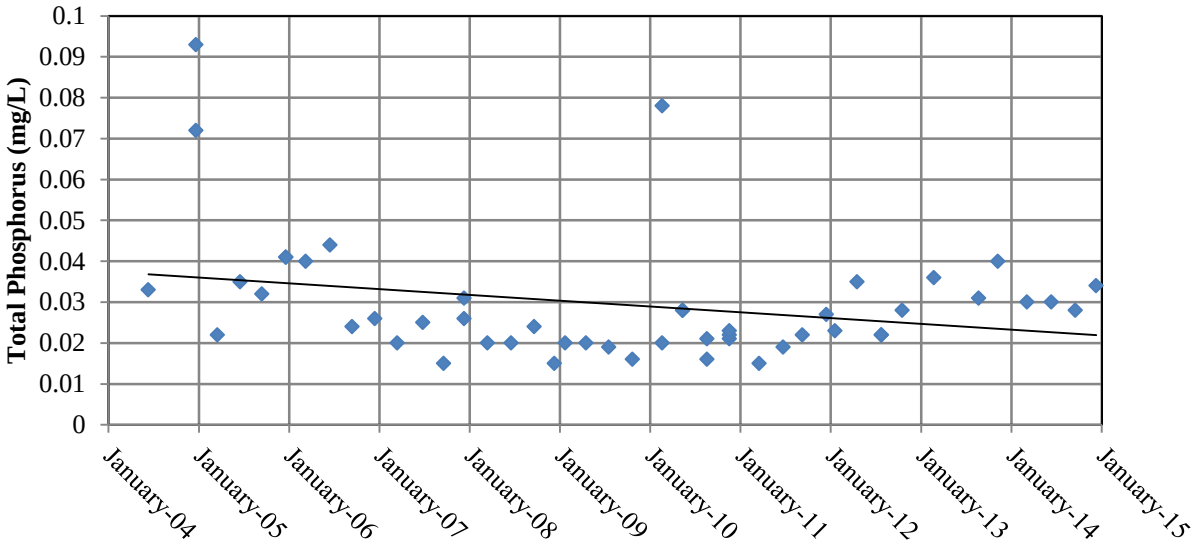
There is an overall negative trend in Total Phosphorus at Lulu1. The correlation coefficient is -0.84, so the trend line of the data explains 84% of the variance in the data.

Table 34. Total Nitrogen at McLeod1 (FDOT major outfall: FDOT-555-25 & FDOT-555-30)



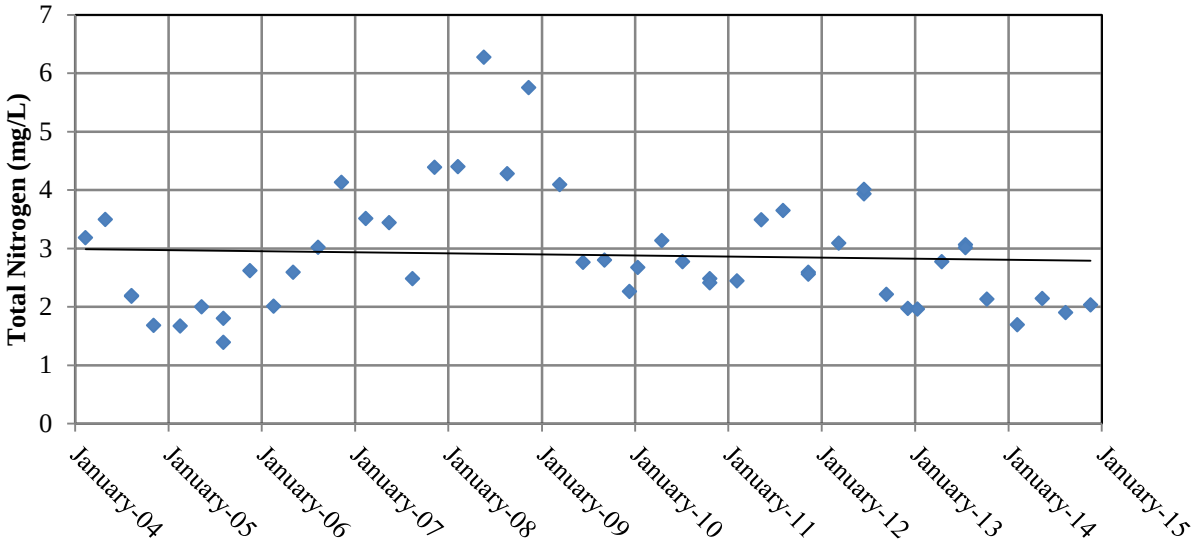
There is an overall positive trend in Total Nitrogen at McLeod1. The correlation coefficient is 0.06, so the trend line of the data explains 6% of the variance in the data.

Table 35. Total Phosphorus at McLeod1 (FDOT major outfall: FDOT-555-25 & FDOT-555-30)



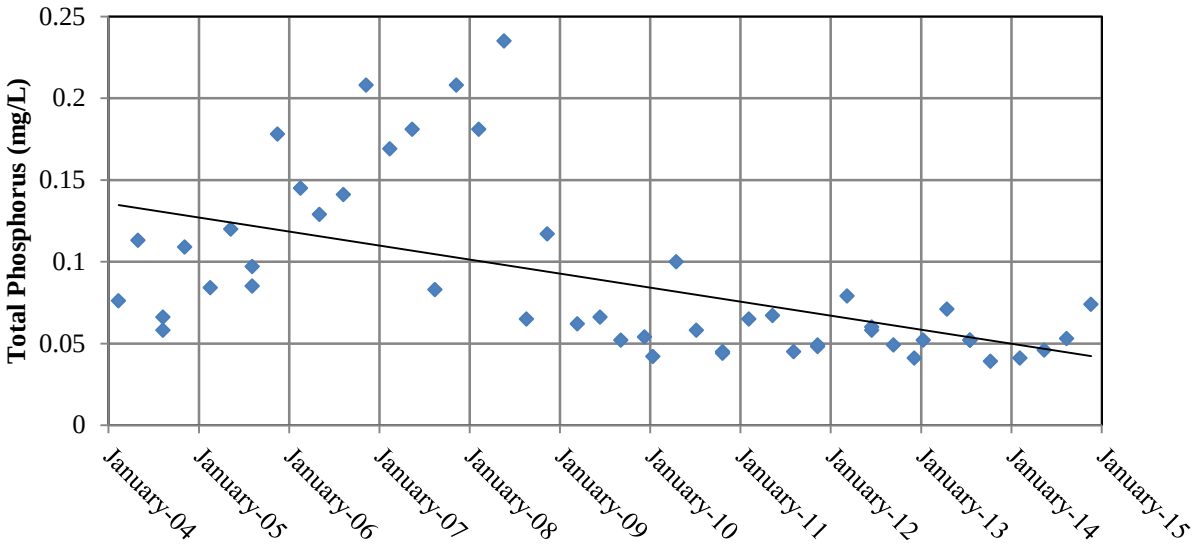
There is an overall negative trend in Total Phosphorus at McLeod1. The correlation coefficient is -0.27, so the trend line of the data explains 27% of the variance in the data.

Table 36. Total Nitrogen at Parker1 (FDOT major outfall: FDOT-546-30, FDOT-546-75 & FDOT-600-30)



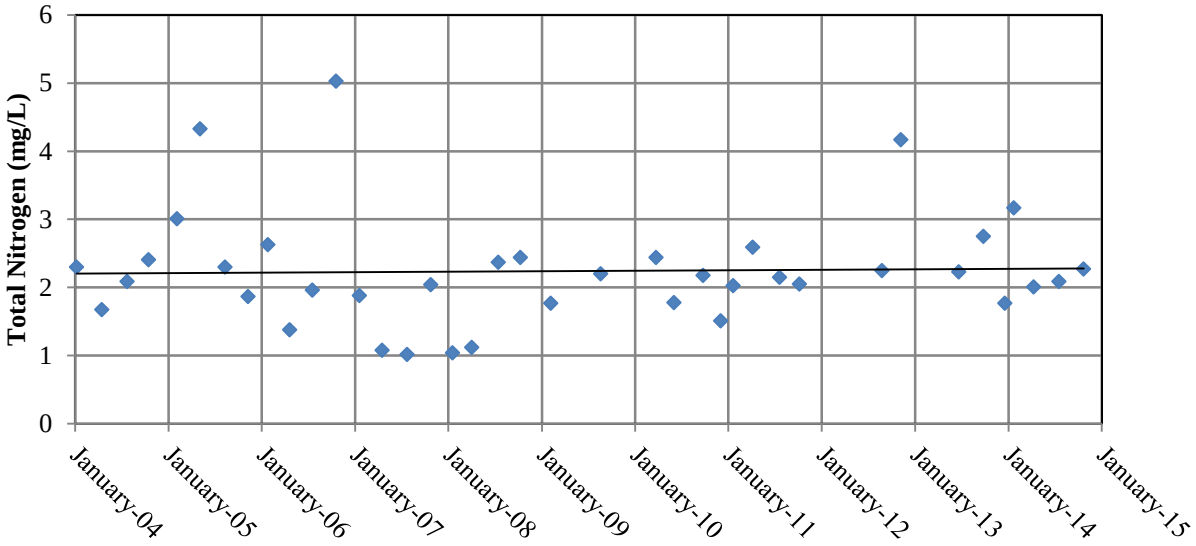
There is an overall negative trend in Total Nitrogen at Parker1. The correlation coefficient is -0.06, so the trend line of the data explains 6% of the variance in the data.

Table 37. Total Phosphorus at Parker1 (FDOT major outfall: FDOT-546-30, FDOT-546-75 & FDOT-600-30)



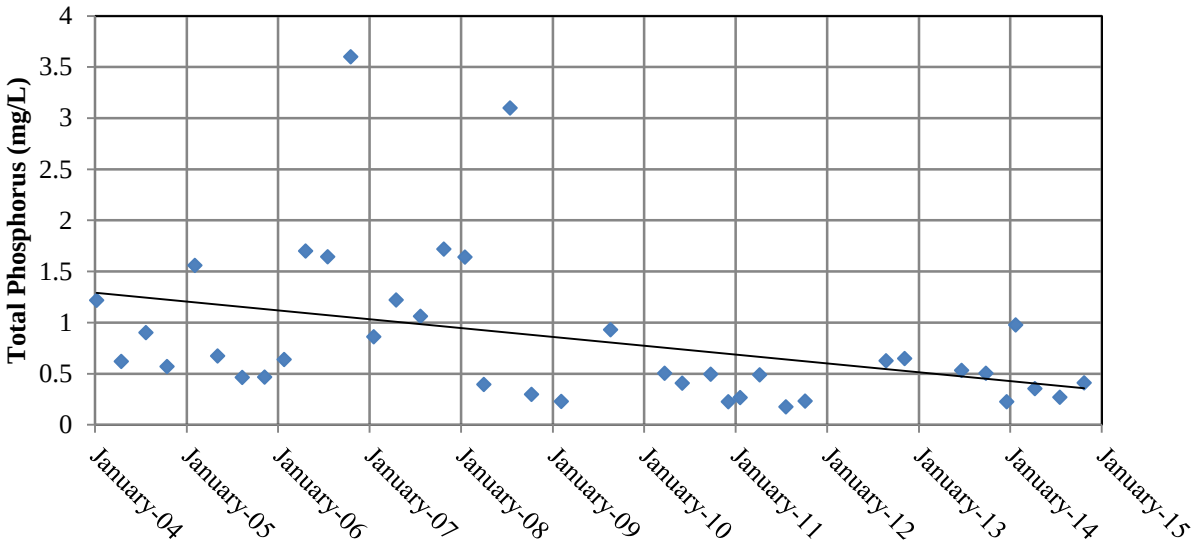
There is an overall negative trend in Total Phosphorus at Parker1. The correlation coefficient is -0.54, so the trend line of the data explains 54% of the variance in the data.

Table 38. Total Nitrogen at PeaceRvr10 (FDOT major outfall: FDOT-35-100)



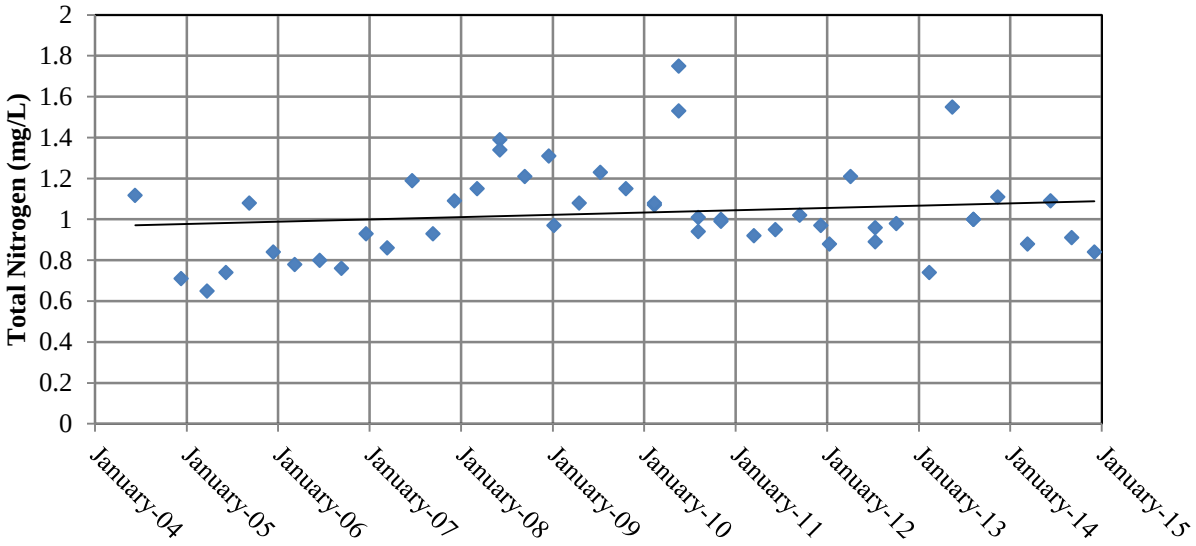
There is an overall positive trend in Total Nitrogen at PeaceRvr10. The correlation coefficient is 0.03, so the trend line of the data explains 3% of the variance in the data.

Table 39. Total Phosphorus at PeaceRvr10 (FDOT major outfall: FDOT-35-100)



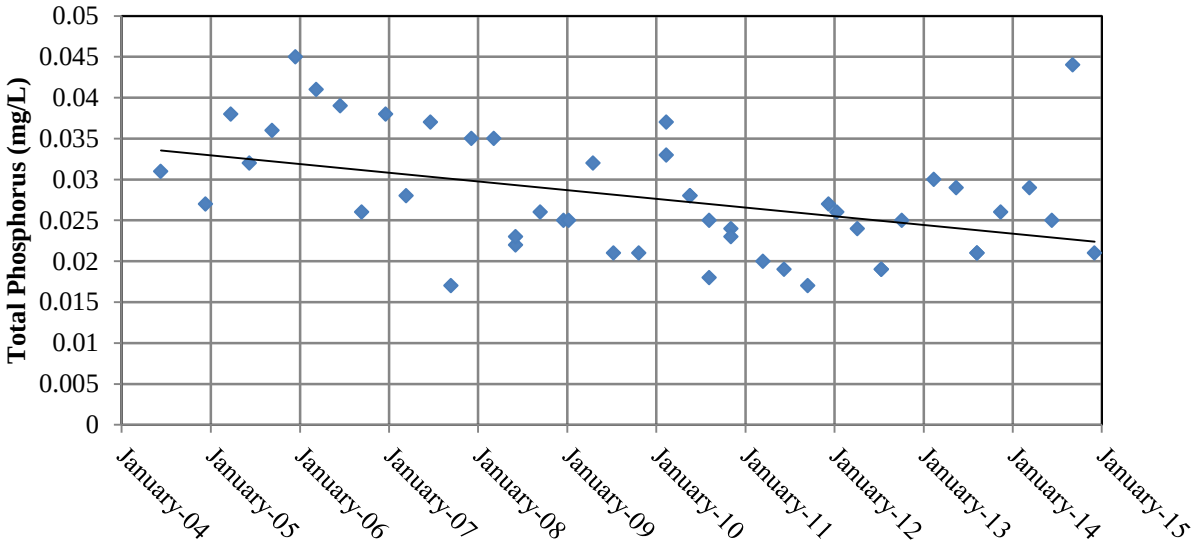
There is an overall negative trend in Total Phosphorus at PeaceRvr10. The correlation coefficient is -0.38, so the trend line of the data explains 38% of the variance in the data.

Table 40. Total Nitrogen at Roy1 (FDOT major outfall: OF16300-3511-03)



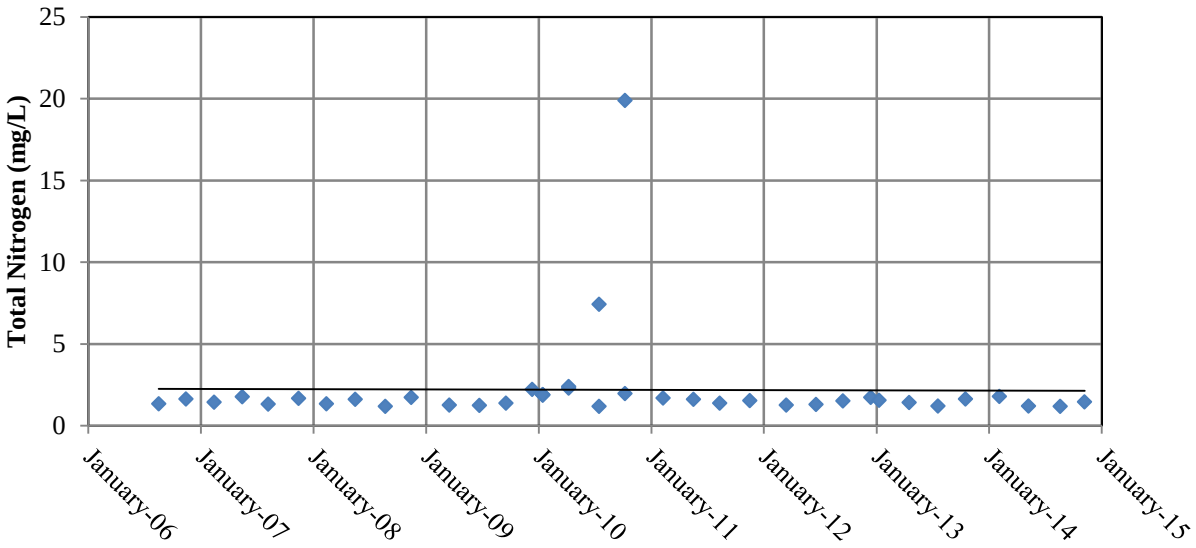
There is an overall positive trend in Total Nitrogen at Roy1. The correlation coefficient is 0.15, so the trend line of the data explains 15% of the variance in the data.

Table 41. Total Phosphorus at Roy1 (FDOT major outfall: OF16300-3511-03)



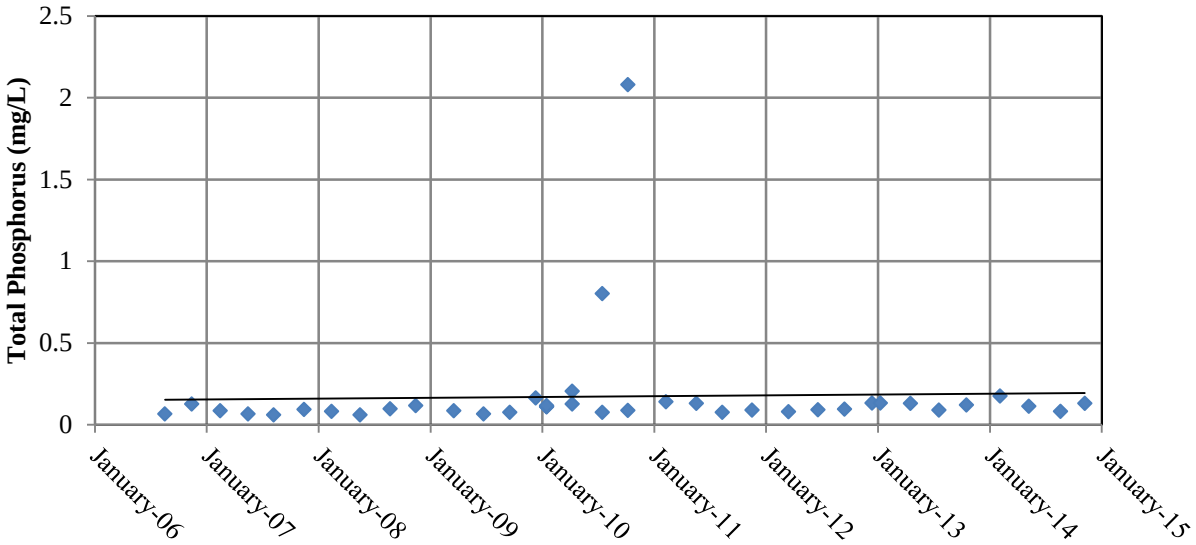
There is an overall negative trend in Total Phosphorus at Roy1. The correlation coefficient is -0.43, so the trend line of the data explains 43% of the variance in the data.

Table 42. Total Nitrogen at Saddle Crk Pk Y (FDOT major outfall: FDOT-659-15)



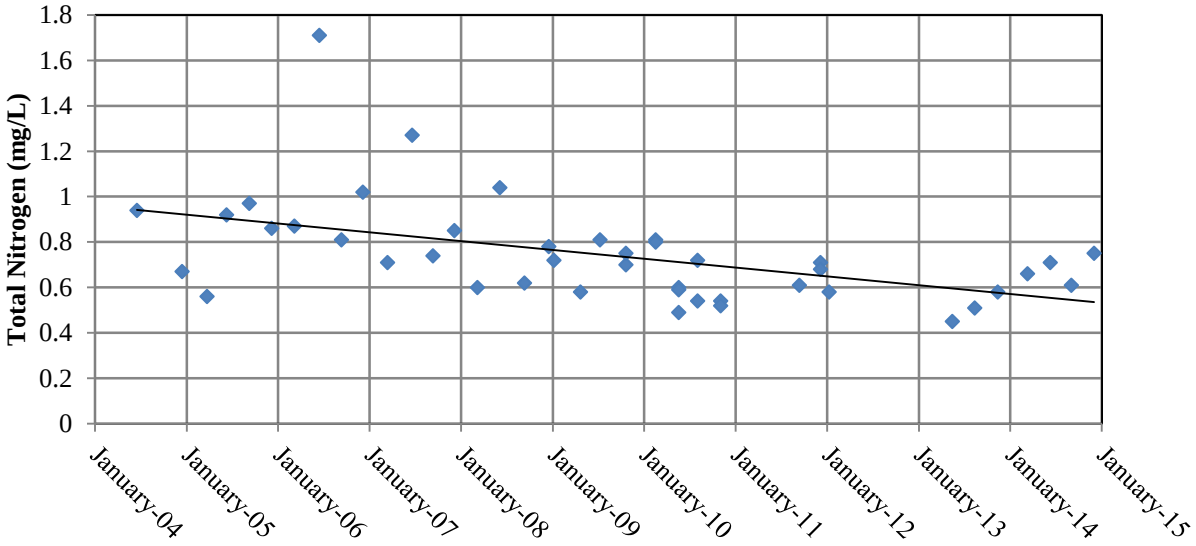
There is an overall negative trend in Total Nitrogen at Saddle Crk Pk Y. The correlation coefficient is -0.01, so the trend line of the data explains 1% of the variance in the data.

Table 43. Total Phosphorus at Saddle Crk Pk Y (FDOT major outfall: FDOT-659-15)



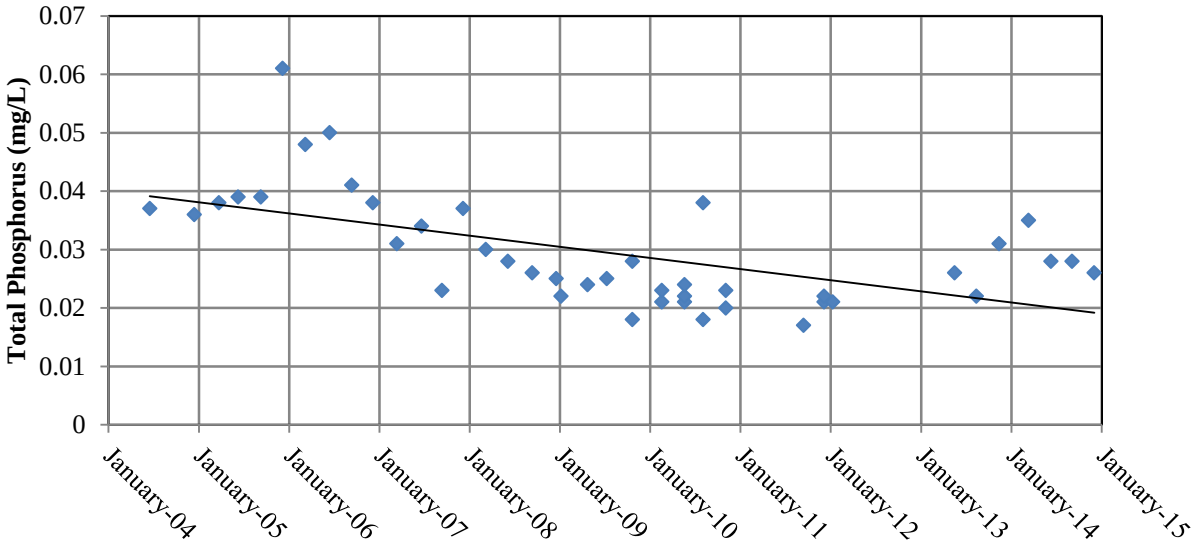
There is an overall positive trend in Total Phosphorus at Saddle Crk Pk Y. The correlation coefficient is 0.03, so the trend line of the data explains 3% of the variance in the data.

Table 44. Total Nitrogen at Spring1 (FDOT major outfall: FDOT-555-55)



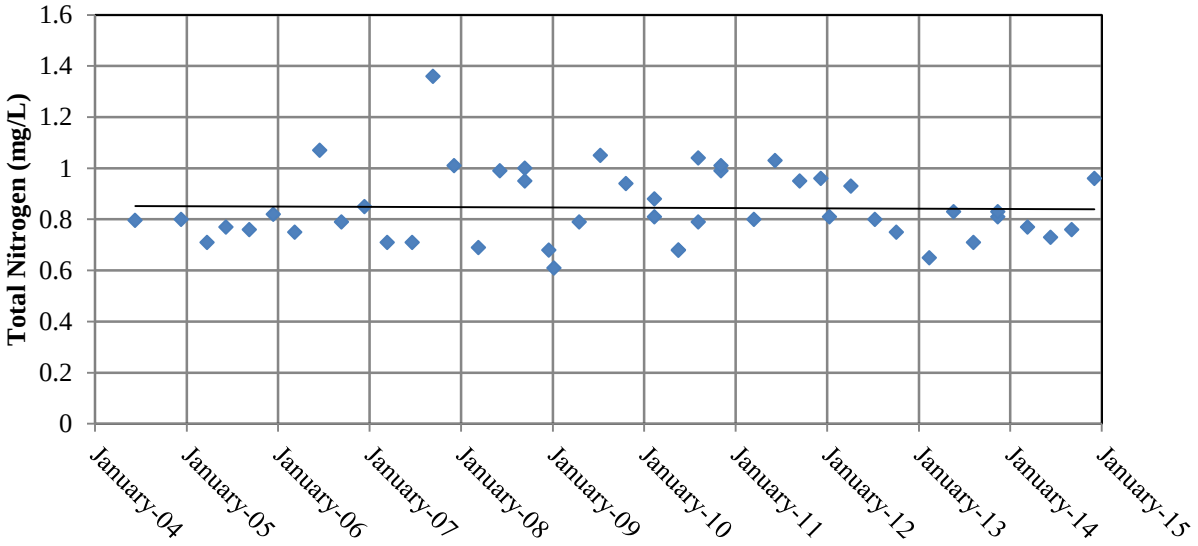
There is an overall negative trend in Total Nitrogen at Spring1. The correlation coefficient is -0.49, so the trend line of the data explains 49% of the variance in the data.

Table 45. Total Phosphorus at Spring1 (FDOT major outfall: FDOT-555-55)



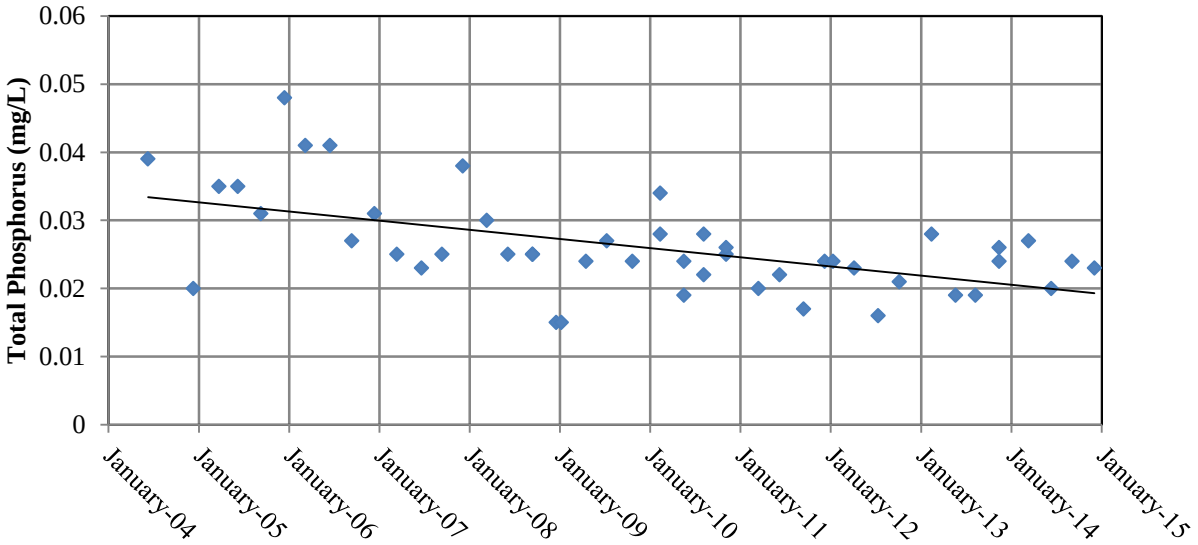
There is an overall negative trend in Total Phosphorus at Spring1. The correlation coefficient is -0.58, so the trend line of the data explains 58% of the variance in the data.

Table 46. Total Nitrogen at Summit1 (FDOT major outfall: FDOT-540-60)



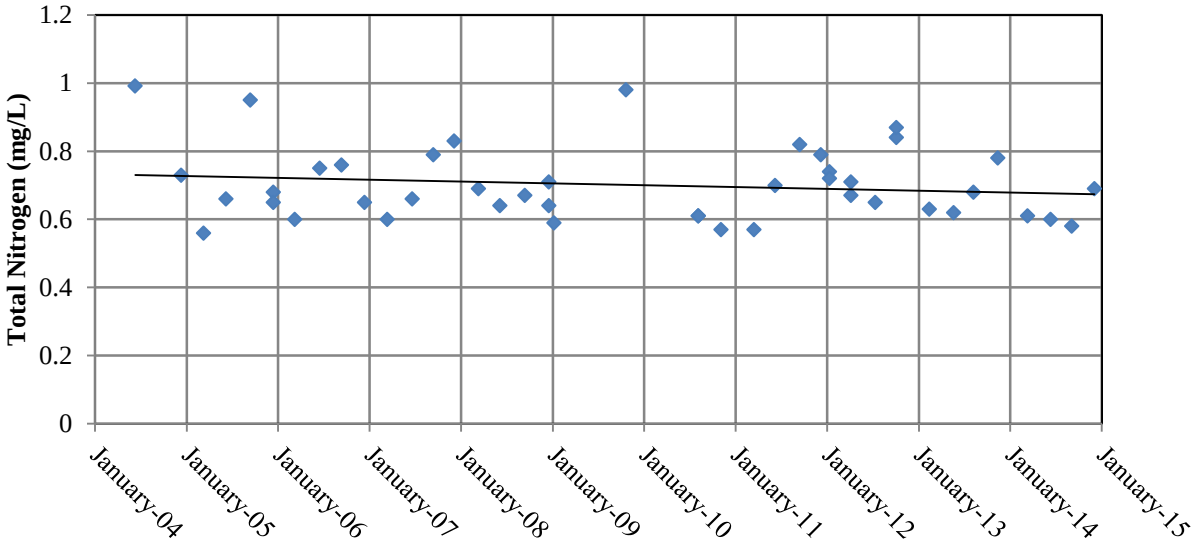
There is an overall negative trend in Total Nitrogen at Summit1. The correlation coefficient is -0.02, so the trend line of the data explains 2% of the variance in the data.

Table 47. Total Phosphorus at Summit1 (FDOT major outfall: FDOT-540-60)



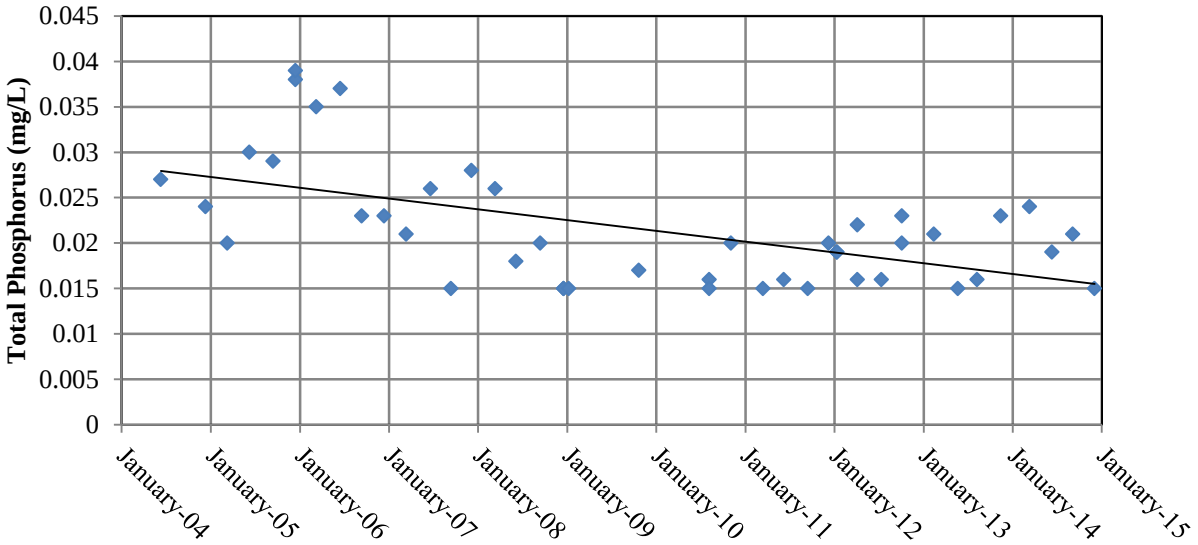
There is an overall negative trend in Total Phosphorus at Summit1. The correlation coefficient is -0.56, so the trend line of the data explains 56% of the variance in the data.

Table 48. Total Nitrogen at Winterset1 (FDOT major outfall: FDOT-540-70)



There is an overall negative trend in Total Nitrogen at Winterset1. The correlation coefficient is -0.16, so the trend line of the data explains 16% of the variance in the data.

Table 49. Total Phosphorus at Winterset1 (FDOT major outfall: FDOT-540-70)



There is an overall negative trend in Total Phosphorus at Winterset1. The correlation coefficient is -0.56, so the trend line of the data explains 56% of the variance in the data.

APPENDIX B

Year 3 Pollutant Load Estimates
(Checklist A)

Year 3 Pollutant Load Estimates
(Checklist A)

Item	**Documentation/Record**
Annual Pollutant Load Estimates and Event Mean Concentration	Lee and Polk County NPDES Phase I MS4 Pollutant Load Estimates report

Lee and Polk County
NPDES Phase I MS4 Pollutant Load Estimates
FDEP Permit No. FLS000035 (Lee County)
FDEP Permit No. FLS000015 (Polk County)

Prepared for:
Florida Department of Transportation – District One
801 N. Broadway Ave.
Bartow, FL 33831

FDOT

Project No: 1-1464-029
April 2014

ENGINEERING
ENVIRONMENTAL
ECOLOGICAL

March 3, 2014

Rob Dwyer
Florida Department of Transportation
PO Box 1249
801 N. Broadway Ave.
Bartow, FL 33831

Subject: Lee and Polk County Annual Pollutant Load Estimates and Event Mean Concentrations
NPDES Phase I MS4 Annual Reports (Cycle 3, Year 3)
FDEP Permit Numbers FLS000035 and FLS000015
E Sciences Project No.: 1-1464-029

Dear Mr. Dwyer:

We are pleased to present the Annual Pollutant Load Estimates and Event Mean Concentrations for the Lee and Polk County NPDES Phase I Municipal Separate Strom Sewer System Permits, FLS000035 and FLS000015, for the Florida Department of Transportation District One. This effort is a required task for the year 3 annual reports.

We appreciate the opportunity to provide these services to you under this contract. If you need additional information, please do not hesitate to call us.

Sincerely,
E SCIENCES, INCORPORATED

Robert Potts
Project Manager

James S. Bassett, P.E.
Principal

E Sciences, INCORPORATED
34 East Pine Street • Orlando, FL 32801
ph 407-481-9006 fax 407481-9627
www.esciencesinc.com

Table of Contents

Section A:

Methods

Florida Department of Transportation, District One
Lee and Polk County NPDES Phase I Annual Report
(Cycle 3, Year 3)

Section A - Methods

A.1 – Introduction

As required for the Term 3, Year 3 annual report for the Lee County (FLS000035) and Polk County (FLS000015) NPDES Phase I Municipal Separate Storm Sewer Systems (MS4) Permits, the Florida Department of Transportation (FDOT) District One has developed the annual pollutant load estimates and event mean concentrations (EMCs) for each major outfall within the Department's MS4 boundary in Lee County and Polk County.

To complete the process, the FDOT completed these steps:

1. Verification of the major outfall inventory in Lee and Polk Counties
2. Delineation of major outfall drainage basins
3. Review of soil and land use classification for each major outfall drainage basin
4. Generation of pollutant load model
5. Identification and calculation of pollutant load reductions
6. Generation of combined pollutant load estimates for the FDOT major outfalls

A.2 – Verification of Major Outfall Inventory

The major outfall inventory for Lee and Polk counties was verified by comparing historic outfall information with recent inspection documentation. Only outfalls meeting the definition of a major outfall were included in the assessment. The Lee and Polk County Phase I MS4 permits define a major outfall as a municipal separate storm sewer outfall that:

- discharges from a single pipe with an inside diameter of 36 inches or more or its equivalent (discharge from a single conveyance other than circular pipe which is associated with a drainage area of more than 50 acres); or

- for municipal separate storm sewers that receive stormwater from lands zoned for industrial activity (based on comprehensive zoning plans or the equivalent), an outfall that discharges from a single pipe with an inside diameter of 12 inches or more or from its equivalent (discharge from other than a circular pipe associated with a drainage area of 2 acres or more).

A.3 – Delineation of Major Outfall Drainage Basins

Drainage basins were delineated for each of these major outfalls using a combination of FDOT plan sets, previous delineations, digital elevation models, aerials, and field reconnaissance. Those areas contributing to FDOT outfalls from outside the FDOT right-of-way were estimated using digital elevation models. A combined drainage basin delineation for each major outfall was created using the FDOT

contributing area and non-FDOT contributing area for each major outfall. Shapefiles were created for these major outfall drainage basin delineations.

A.3 – Soil and Land Use Classification

Soil and land use classifications were identified for the major outfall drainage basins. Soil data and shapefiles were provided by the National Resource Conservation Service (NRCS). NRCS hydrologic soil identification provided in the soil coverage for each county was used determine runoff coefficients.

Land use files were provided by the Southwest Florida Water Management District (SWFMWD) and South Florida Water Management District (SFWMD). Land use files describe specific land use criteria that are defined by the Florida Land Use and Cover Classification System (FLUCCS). These FLUCCS codes are used to identify land uses that correlate with the land uses defined for the selection of runoff and EMC values used in the pollutant load model.

A.4 – Pollutant Load Model

The annual pollutant load model incorporated the following data to calculate the raw pollutant load flowing to the major outfall:

- Major outfall basin boundaries
- NRCS soil data
- FLUCCS
- Runoff coefficients derived from land use types and soil classification
- EMCs derived from land use types
- 30 year average annual rainfall

The annual pollutant load model calculates the total volume of runoff from individual polygons within each basin area based on composite land use and soil hydrologic group code. The volume from each polygon is then multiplied by the EMC for the land use designation (Equation 1). Allocation of the appropriate EMC for each polygon is completed by referencing designated EMC values for each land use code. Runoff volume is calculated by multiplying the 30 year mean annual rainfall by the total area and runoff coefficient for each polygon (Equation 2). The runoff coefficient is determined by the combination of land use code and NRCS hydrologic soil group for each polygon.

Equation 1 $$PL = 2.205 \times 10^{-3} \times EMC \times RO$$

Where:
PL = Pollutant Load (lbs/yr)
EMC = Event Mean Concentration (mg/L)
RO = Runoff Volume (m^3/yr)

Equation 2 $$RO = 102.8 \times R_m \times A \times C_{RO}$$

Where:
RO = Runoff Volume (m^3/yr)
R_m = 30 year Mean Annual Rainfall (in/yr)
A = Area (ac)
C_{RO} = Runoff Coefficient (unitless)

Total annual pollutant load values were then broken into a wet season (June to September) and a dry season (October to May). The wet season in Central Florida accounts for 55% of the total annual rainfall and the dry season accounts for 45% based on average monthly rainfall data from the National Oceanic & Atmospheric Administration (1971 – 2000).

A.5 – Identification and Calculation of Pollutant Load Reductions

Pollutant load reductions were identified which included street sweeping, education credits, and Stormwater structural best management practices. Street sweeping contracts were reviewed for appropriate pollutant load reductions within the major outfall drainage basins. An education credit of 1 percent was included as a pollutant load reduction based on FDOT employee training in illicit discharge detection and elimination, spill response, good housekeeping, and erosion and sediment control. The FDOT inventory and plans were reviewed to include any structural best management practices such as grassed swales and stormwater ponds. Using this information, pollutant load reductions were calculated for each major outfall. These reductions were then subtracted from the raw estimated load to the outfall to generate an estimated total load to the outfall.

A.6 - Combined Pollutant Load Estimates

The sum of all estimated loads from the major outfalls within the County to the receiving waterbody was calculated once estimates were generated for each major outfall. These estimates will be used as a baseline for comparison in subsequent Year 3 annual reports.

Section B:

Major Outfall Inventory

LEE AND POLK COUNTY MAJOR OUTFALL INVENTORY						
Figure ID	**Outfall ID**	**County**	**Receiving Water Body**	**State Road**	**Latitude**	**Longitude**
1	Lee1	LEE	Caloosahatchee River	SR 41	26.6394	-81.8793
2	Lee2	LEE	Estero River	SR 41	26.4350	-81.8108
3	Lee4	LEE	Unnamed Tributary	SR 80	26.7078	-81.6184
4	OF12060-3535-02	LEE	Caloosahatchee River	SR 78	26.7026	-81.8422
5	OF12010-1957361-01	LEE	Imperial River	SR 41	26.3361	-81.8061
6	OF12020-1956101-11	LEE	Caloosahatchee River	SR 80	26.7093	-81.5993
7	OF12060-3535-03	LEE	Poley Creek	SR 78	26.7085	-81.8394
8	OF12060-3533-03	LEE	Caloosahatchee River	SR 78	26.6954	-81.8540
9	LE303	LEE	Wetland	SR 31	26.7119	-81.7601
10	OF289	LEE	Caloosahatchee River	SR 867	26.5927	-81.8934
11	FM001	LEE	Caloosahatchee River	SR 80	26.6577	-81.8531
12	OF295	LEE	Manuel's Branch	SR 41	26.6262	-81.8724
13	FM059	LEE	Manuel's Branch	SR 41	26.6261	-81.8724
14	FM073	LEE	Caloosahatchee River	SR 80	26.6476	-81.8667
15	FM078	LEE	Billy Creek	SR 80	26.6507	-81.8531
16	OFS206	LEE	Caloosahatchee River	SR 80	26.6492	-81.8632
17	OF12020-3530-02	LEE	Canal to Caloosahatchee Riv	SR 80	26.6889	-81.7995
18	OF12040-3515-02	LEE	Caloosahatchee River	SR 867	26.5306	-81.9306
19	OF12040-3515-03	LEE	Caloosahatchee River	SR 867	26.5376	-81.9213
20	OF12040-3514-01	LEE	Canal to Deep Lagoon	SR 867	26.5433	-81.9166
21	OF12004-3505-03	LEE	Hurricane Bay	SR 865	26.4810	-81.9485
22	OF12004-3505-04	LEE	Hurricane Bay	SR 865	26.4855	-81.9430
23	OF16320-3408-11	POLK	Ditch to Green Swamp	SR 400	28.2258	-81.6594
24	FDOT-37-50	POLK	Lake Miriam	SR 37	27.9819	-81.9555
25	FDOT-540-70	POLK	Lake Winterset	SR 540	27.9829	-81.6798
26	FDOT-540-60	POLK	Lake Summit	SR 540	28.0001	-81.6912
27	FDOT-37-20	POLK	Phosphate Pit	SR 37	27.9071	-81.9739
28	FDOT-37-15	POLK	Ellis Branch	SR 37	27.9014	-81.9718
29	FDOT-37-10	POLK	Alafia River	SR 37	27.8911	-81.9738
30	FDOT-37-65	POLK	Lake Hunter	SR 37	28.0318	-81.9628
31	FDOT-35-170	POLK	Lake Gibson	SR 35	28.1166	-81.9735
32	FDOT-563-15	POLK	Lake Hunter	SR 563	28.0360	-81.9670
33	FDOT-563-25	POLK	Lake Wire	SR 563	28.0468	-81.9624
34	FDOT-600-10	POLK	Itchepackesassa Creek	SR 92	28.0382	-82.0105
35	FDOT-544-90	POLK	Lake Blue	SR 544	28.0502	-81.7724
36	FDOT-600-275	POLK	Lake Haines	SR 92	28.0952	-81.7189
37	FDOT-60-25	POLK	Phosphate Pit	SR 60	27.8947	-81.9621
38	FDOT-546-30	POLK	Lake Parker	SR 92	28.0535	-81.9362
39	FDOT-546-75	POLK	Lake Parker	SR 92	28.0498	-81.9262
40	FDOT-600-30	POLK	Lake Parker	SR 92	28.0493	-81.9252
41	FDOT-600-210	POLK	Lake Lena	SR 92	28.0598	-81.8014
42	FDOT-655-10	POLK	Lake Lena Run	SR 655	28.0515	-81.8000
43	FDOT-555-25	POLK	Lake McLeod	SR 17	27.9720	-81.7578
44	FDOT-35-65	POLK	McCullough Creek	SR 17	27.7630	-81.8017
45	FDOT-555-30	POLK	Lake McLeod	SR 17	27.9750	-81.7517
46	FDOT-35-100	POLK	Peace River	SR 98	27.8655	-81.8284

LEE AND POLK COUNTY MAJOR OUTFALL INVENTORY						
Figure ID	**Outfall ID**	**County**	**Receiving Water Body**	**State Road**	**Latitude**	**Longitude**
47	FDOT-37-60	POLK	Lake Hollingsworth	SR 37	28.0221	-81.9520
48	FDOT-60-130	POLK	Peace Creek	SR 60	27.9046	-81.6146
49	FDOT-555-35	POLK	Peace Creek	SR 17	27.9916	-81.7409
50	FDOT-555-40	POLK	Lake Lulu	SR 17	27.9985	-81.7355
51	FDOT-555-55	POLK	Spring Lake	SR 17	28.0380	-81.7333
52	OF187	POLK	Lake Ida	SR 17	28.0523	-81.7333
53	FDOT-555-85	POLK	Lake Conine	SR 17	28.0599	-81.7304
54	FDOT-542-05	POLK	Lake Elbert	SR 542	28.0222	-81.7163
55	FDOT-540-65	POLK	Lake Dexter	SR 540	27.9859	-81.6861
56	FDOT-60-45	POLK	N. Bear Branch	SR 60	27.8979	-81.8861
57	FDOT-60-35	POLK	N. Bear Branch	SR 60	27.8985	-81.9015
58	FDOT-600-280	POLK	Channel to Lake Haines	SR 92	28.0957	-81.7171
59	FDOT-600-235	POLK	Lake Elsie	SR 92	28.1050	-81.6338
60	FDOT-60-20	POLK	Ellis Branch	SR 60	27.8951	-81.9678
61	FDOT-546-15	POLK	Itchepackesassa Creek	SR 92	28.0528	-81.9751
62	FDOT-35-135	POLK	Banana Lake	SR 35	28.0023	-81.9034
63	FDOT-35-145	POLK	Lake Bonny	SR 35	28.0338	-81.9349
64	FDOT-35-50	POLK	McCullough Creek	SR 17	27.7554	-81.8050
65	FDOT-539-5	POLK	Lake Bonnet	SR 539	28.0515	-81.9696
66	FDOT-540-75	POLK	Lake Ruby	SR 540	27.9782	-81.6571
67	FDOT-542-07	POLK	Lake Elbert	SR 542	28.0216	-81.7162
68	FDOT-544-115	POLK	Lake Hartridge	SR 544	28.0475	-81.7480
69	FDOT-563-30	POLK	Lake Wire	SR 563	28.0483	-81.9609
70	FDOT-563-8	POLK	Poley Creek	SR 563	28.0258	-81.9731
71	FDOT-60-30	POLK	Phosphate Pit	SR 60	27.8943	-81.9595
72	FDOT-659-15	POLK	Saddle Creek	SR 659	28.0585	-81.9079
73	FDOT-35-105	POLK	Bear Creek	SR 98	27.9065	-81.8437
74	FDOT-35-155	POLK	Lake Parker	SR 98	28.0794	-81.9640
75	OF16120-3504-03	POLK	Eagle Lake	SR 540	27.9913	-81.7605
76	OF16118-3503-03	POLK	Spirit Lake	SR 540	28.0033	-81.7751
77	OF16300-3511-01	POLK	Lake Rey	SR 540	28.0041	-81.7115
78	OF16300-3511-03	POLK	Lake Roy	SR 540	28.0046	-81.7078
79	OF16300-3511-05	POLK	Lake Elizabeth	SR 540	28.0048	-81.6994
80	OF16320-3409-01	POLK	Wetland	SR 400	28.0505	-82.0147
81	FDOT-35-45	POLK	Peace River	SR 35	27.7394	-81.8013
82	Polk4	POLK	Wetland	SR 400	28.0661	-81.9963
83	Polk5	POLK	Wetland	SR 539	28.0698	-81.9859

Section C:

Sources and Coefficients Used for Pollutant Load Estimates

Sources and Coefficients Used for Pollutant Load Estimate Calculations

Lee County				
Runoff Coefficients (C) - Meteorological Zone 4				
Land Use Category	Soil Type			
	A	B	C	D
Residential, low density	0.079	0.144	0.210	0.262
Residential, medium density	0.231	0.273	0.324	0.362
Residential, high density	0.436	0.467	0.503	0.529
Highway	0.627	0.642	0.659	0.672
Undeveloped/Natural Areas	0.011	0.050	0.105	0.149
Commercial and services	0.628	0.642	0.658	0.671

EMC Runoff Concentrations (mg/L)						
Land Use Category	**Total N**	**Total P**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
Agriculture, citrus	2.24	0.183	2.55	15.5	0.003	0.012
Agriculture, general	2.790	0.431	3.8	43.2	0.013	0.021
Commercial, low intensity	1.180	0.179	7.700	57.500	0.018	0.094
Highway	1.640	0.220	5.200	37.300	0.320	0.126
Industrial, light	1.200	0.260	7.6	60	0.003	0.057
Mining/Extractive	1.180	0.150	76	60	0.003	0.057
Residential, low density	1.610	0.191	4.7	23	0.008	0.031
Residential, medium density	2.070	0.327	7.9	37.5	0.016	0.062
Residential, high density	2.320	0.520	11.3	77.8	0.009	0.086
Undeveloped/Natural Areas	1.150	0.055	1.4	8.4	0	0

Polk County				
Runoff Coefficients (C) - Meteorological Zone 2				
Land Use Category	Soil Type			
	A	B	C	D
Residential, low density	0.069	0.126	0.187	0.237
Residential, medium density	0.220	0.257	0.303	0.339
Residential, high density	0.423	0.450	0.483	0.508
Highway	0.612	0.626	0.641	0.654
Undeveloped/Natural Areas	0.007	0.039	0.087	0.128
Commercial and services	0.613	0.625	0.641	0.653

Removal Efficiencies for Common Stormwater Treatment Facilities						
	Total N	**Total P**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
Wet Detention Ponds	20%	60%	50%	85%	60%	85%
Dry Retention Ponds	60%	60%	60%	60%	60%	60%
Grass Swales	50%	50%	40%	70%	35%	70%

Treatment Train Reduction Formula
BMP TT Eff = $Eff_1+((1-Eff_1)*Eff_2)$

All C and *EMC values obtained from FDEP "Evaluation of Current Stormwater Design Criteria within the State of Florida, Final Report" - Harvey Harper, Ph.D., P.E., June 2007

*EMC values for COD and TKN values obtained from "Environmental Protection Agency. Final Report of the Nationwide Urban Runoff Program, Final Draft, Vol. 1. WH-554. Water Planning Division, December 1983"

Dissolved Conversion factor obtained from "Environmental Protection Agency: The Metals Translator: Guidance for Calculating a Total Recoverable Permit Limit From a Dissolved Criterion, EPA 823-B-96-007, June 1996"

Wet Detention and Grass Swales removal efficiencies for TN and TP obtained from FDEP "Evaluation of Current Stormwater Design Criteria within the State of Florida, Final Report" - Harvey Harper, Ph.D., P.E., June 2007

Wet Detention treatment Based on 7-day detention times

Other Wet Detention removal efficiencies obtained from UCF "Effectiveness of detention/retention Basins for Removal of Heavy Metals in Highway Runoff" Harper, Yousef and Wanielista; 1985

Exfiltration System removal efficiencies for TN and TP obtained from SFWMD BMP Manual

Other removal efficiencies for Grass Swales and French Drains were assumed to be equal to that of the efficiencies documented in "Pollutant Removal Efficiencies for Typical Stormwater Management Systems in Florida" -Harvey Harper, Ph.D., P.E., June 1999

Section D:

Pollutant Load Estimate Calculation Worksheets

Outfall: Lee1
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 41

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1	B	0.08	Commercial, low intensity	0.7	0.113	4.9	36.2	0.0113	0.0592
2	B	0.03	Commercial, low intensity	0.3	0.044	1.9	14.1	0.0044	0.0231
3	D	3.94	Commercial, low intensity	39.5	5.989	257.6	1923.7	0.6022	3.1448
4	A	0.01	Commercial, low intensity	0.1	0.020	0.9	6.6	0.0021	0.0107
5	B	0.69	Commercial, low intensity	6.7	1.010	43.5	324.5	0.1016	0.5305
6	D	1.09	Commercial, low intensity	11.0	1.666	71.7	535.2	0.1676	0.8750
7	D	0.83	Commercial, low intensity	8.3	1.257	54.1	403.8	0.1264	0.6601
8	A	0.60	Commercial, low intensity	5.6	0.855	36.8	274.6	0.0860	0.4490
9	B	1.06	Commercial, low intensity	10.2	1.548	66.6	497.4	0.1557	0.8131
10	D	1.61	Commercial, low intensity	16.1	2.448	105.3	786.4	0.2462	1.2856
11	B	1.62	Highway	21.6	2.896	68.4	491.0	4.2121	1.6585
12	D	7.82	Highway	109.2	14.647	346.2	2483.3	21.3046	8.3887
Raw Pollutant Load Total (lb/yr) =				**229.3**	**32.5**	**1057.8**	**7776.9**	**27.0**	**17.9**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	2.3	0.325	10.6	77.8	0.2702	0.1790
Streetsweeping Removal (lb/yr)	2.8	1.786	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	229.3	32.493	1057.8	7776.9	27.0201	17.8984
BMP Pollutant Load Reduction	5.1	2.111	10.6	77.8	0.2702	0.1790
Estimated Pollutant Load to Water Body	**224.2**	**30.4**	**1047.2**	**7699.1**	**26.7**	**17.7**

Outfall: Lee2
Receiving Body of Water: Estero River
County: LEE
State Road: SR 41

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
13	A	0.49	Commercial, low intensity	4.6	0.697	30.0	223.9	0.0701	0.3660
14	A	0.01	Commercial, low intensity	0.1	0.010	0.4	3.3	0.0010	0.0055
15	A	0.06	Residential, low density	0.1	0.011	0.3	1.3	0.0004	0.0017
16	A	0.62	Residential, high density	7.9	1.777	38.6	265.9	0.0308	0.2939
17	A	0.11	Residential, high density	1.4	0.308	6.7	46.1	0.0053	0.0509
18	A	0.72	Commercial, low intensity	6.7	1.020	43.9	327.6	0.1025	0.5355
19	A	0.17	Agriculture, general	0.1	0.010	0.1	1.0	0.0003	0.0005
20	A	0.63	Commercial, low intensity	5.9	0.893	38.4	286.7	0.0898	0.4688
21	A	1.54	Undeveloped/Natural Areas	0.2	0.012	0.3	1.8	0.0000	0.0000
22	A	0.14	Residential, low density	0.2	0.027	0.7	3.3	0.0011	0.0044
23	A	4.55	Highway	59.2	7.945	187.8	1347.0	11.5563	4.5503
24	A	0.15	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
25	A	0.43	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
Raw Pollutant Load Total (lb/yr) =				**86.5**	**12.7**	**347.2**	**2508.5**	**11.9**	**6.3**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	0.9	0.127	3.5	25.1	0.1186	0.0628
Streetsweeping Removal (lb/yr)	0.7	0.452	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	86.5	12.714	347.2	2508.5	11.8577	6.2774
BMP Pollutant Load Reduction	1.6	0.579	3.5	25.1	0.1186	0.0628
Estimated Pollutant Load to Water Body	**84.9**	**12.1**	**343.7**	**2483.4**	**11.7**	**6.2**

Outfall: Lee4
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 80

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
26	A	0.00	Agriculture, general	0.0	0.000	0.0	0.0	0.0000	0.0000
27	B	1.09	Agriculture, general	1.9	0.297	2.6	29.7	0.0089	0.0144
28	C	0.07	Undeveloped/Natural Areas	0.1	0.005	0.1	0.8	0.0000	0.0000
29	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
30	B	0.07	Undeveloped/Natural Areas	0.1	0.003	0.1	0.4	0.0000	0.0000
31	A	0.25	Undeveloped/Natural Areas	0.0	0.002	0.0	0.3	0.0000	0.0000
32	B	0.12	Undeveloped/Natural Areas	0.1	0.004	0.1	0.6	0.0000	0.0000
33	A	0.43	Agriculture, general	0.2	0.026	0.2	2.6	0.0008	0.0013
34	A	13.01	Undeveloped/Natural Areas	2.1	0.100	2.5	15.2	0.0000	0.0000
35	B	4.56	Undeveloped/Natural Areas	3.3	0.159	4.0	24.3	0.0000	0.0000
36	A	3.26	Undeveloped/Natural Areas	0.5	0.025	0.6	3.8	0.0000	0.0000
37	A	0.44	Agriculture, general	0.2	0.026	0.2	2.6	0.0008	0.0013
38	B	0.11	Residential, low density	0.3	0.039	0.9	4.6	0.0016	0.0063
39	B	1.18	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
40	C	0.19	Highway	2.7	0.357	8.4	60.5	0.5189	0.2043
41	A	4.75	Highway	61.9	8.304	196.3	1408.0	12.0789	4.7561
42	B	4.51	Highway	60.2	8.076	190.9	1369.3	11.7473	4.6255
Raw Pollutant Load Total (lb/yr) =				**133.6**	**17.4**	**407.2**	**2922.8**	**24.4**	**9.6**

Outfall: Lee4
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 80

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	1.3	0.174	4.1	29.2	0.2436	0.0961
Streetsweeping Removal (lb/yr)	0.6	0.395	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Wet Pond Removal Efficiency, Eff2 (%)	20%	60%	50%	85%	60%	85%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	60%	80%	70%	96%	74%	96%
Treatment Train Total Removal (lb/yr)	79.0	13.5	282.2	2763.4	17.8441	9.0850

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	133.6	17.423	407.2	2922.8	24.3573	9.6092
BMP Pollutant Load Reduction	80.9	14.052	286.3	2792.6	18.0877	9.1811
Estimated Pollutant Load to Water Body	**52.6**	**3.4**	**120.9**	**130.2**	**6.3**	**0.4**

Outfall: OF12060-3535-02
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 78

Water Quality Summary									
GIS ID	**Soil Hydrologic Group**	**Basin Area (acres)**	**Land Use Description**	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
1843	B	0.06	Undeveloped/Natural Areas	0.0	0.002	0.1	0.3	0.0000	0.0000
1844	B	0.27	Undeveloped/Natural Areas	0.2	0.009	0.2	1.4	0.0000	0.0000
1845	B	0.84	Residential, low density	2.5	0.294	7.2	35.5	0.0123	0.0478
1846	B	6.71	Residential, low density	19.7	2.337	57.5	281.4	0.0979	0.3793
1847	D	0.04	Residential, low density	0.2	0.024	0.6	2.9	0.0010	0.0039
1848	B	3.54	Highway	47.3	6.342	149.9	1075.2	9.2244	3.6321
1849	D	1.46	Highway	20.4	2.742	64.8	464.9	3.9888	1.5706
1850	B	0.04	Residential, medium density	0.3	0.042	1.0	4.8	0.0020	0.0079
1851	B	1.96	Undeveloped/Natural Areas	1.4	0.068	1.7	10.4	0.0000	0.0000
1852	B	0.09	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
1853	B	0.02	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1854	B	0.07	Undeveloped/Natural Areas	0.1	0.002	0.1	0.4	0.0000	0.0000
1855	B	0.09	Commercial, low intensity	0.8	0.124	5.3	39.9	0.0125	0.0652
1856	B	3.42	Commercial, low intensity	32.8	4.982	214.3	1600.3	0.5010	2.6161
1857	B	0.22	Commercial, low intensity	2.1	0.324	14.0	104.2	0.0326	0.1704
Raw Pollutant Load Total (lb/yr) =				**128.0**	**17.3**	**516.8**	**3622.2**	**13.9**	**8.5**

Outfall: OF12060-3535-02
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 78

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	1.3	0.173	5.2	36.2	0.1387	0.0849
Streetsweeping Removal (lb/yr)	1.0	0.631	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	25.1	9.9	255.8	3048.1	8.2	7.1

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	128.0	17.297	516.8	3622.2	13.8726	8.4933
BMP Pollutant Load Reduction	27.4	10.7	261.0	3084.3	8.4	7.2
Estimated Pollutant Load to Water Body	**100.6**	**6.6**	**255.8**	**537.9**	**5.5**	**1.3**

Outfall: OF12010-1957361-01
Receiving Body of Water: Imperial River
County: LEE
State Road: SR 41

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
86	B	0.03	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
87	B	1.10	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
88	B	5.27	Commercial, low intensity	50.6	7.677	330.2	2466.0	0.7720	4.0314
89	A	9.48	Commercial, low intensity	89.0	13.498	580.6	4336.0	1.3574	7.0884
90	A	1.62	Highway	21.1	2.828	66.8	479.5	4.1133	1.6196
91	A	2.85	Highway	37.2	4.984	117.8	845.0	7.2497	2.8546
92	B	8.54	Highway	113.9	15.284	361.3	2591.4	22.2319	8.7538
93	A	7.15	Highway	93.1	12.488	295.2	2117.2	18.1638	7.1520
94	A	0.29	Highway	3.8	0.510	12.1	86.5	0.7419	0.2921
95	A	1.45	Commercial, low intensity	13.6	2.060	88.6	661.8	0.2072	1.0820
96	D	4.00	Commercial, low intensity	40.1	6.082	261.6	1953.6	0.6116	3.1937
97	A	0.34	Commercial, low intensity	3.2	0.479	20.6	153.9	0.0482	0.2516
98	A	0.27	Commercial, low intensity	2.5	0.379	16.3	121.7	0.0381	0.1990
99	B	0.35	Commercial, low intensity	3.3	0.503	21.6	161.5	0.0506	0.2640
100	A	0.54	Commercial, low intensity	5.1	0.769	33.1	247.0	0.0773	0.4038
101	D	0.83	Commercial, low intensity	8.3	1.267	54.5	406.8	0.1274	0.6651
102	B	3.13	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
103	A	6.90	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
104	A	0.17	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
105	A	10.82	Commercial, low intensity	101.6	15.418	663.2	4952.6	1.5504	8.0964
106	B	6.00	Commercial, low intensity	57.6	8.736	375.8	2806.2	0.8785	4.5876
107	B	1.08	Commercial, low intensity	10.4	1.573	67.7	505.3	0.1582	0.8261
108	A	1.27	Commercial, low intensity	11.9	1.802	77.5	579.0	0.1812	0.9465
109	A	2.63	Residential, high density	33.7	7.564	164.4	1131.7	0.1309	1.2509
110	A	1.61	Residential, high density	20.7	4.635	100.7	693.5	0.0802	0.7665
111	B	1.08	Residential, high density	14.8	3.318	72.1	496.4	0.0574	0.5488
112	A	2.90	Commercial, low intensity	27.2	4.130	177.7	1326.7	0.4153	2.1688
113	A	1.31	Commercial, low intensity	12.3	1.872	80.5	601.3	0.1882	0.9831
114	B	0.06	Commercial, low intensity	0.6	0.092	4.0	29.5	0.0092	0.0483

Outfall: OF12010-1957361-01
Receiving Body of Water: Imperial River
County: LEE
State Road: SR 41

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
115	B	1.55	Commercial, low intensity	14.8	2.251	96.8	723.0	0.2263	1.1820
116	B	3.43	Commercial, low intensity	32.9	4.992	214.7	1603.5	0.5020	2.6213
117	B	1.70	Commercial, low intensity	16.4	2.481	106.7	796.9	0.2495	1.3027
118	A	9.37	Commercial, low intensity	88.0	13.345	574.1	4286.8	1.3419	7.0080
119	A	0.00	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
120	B	0.04	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
121	A	2.02	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
122	A	0.06	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
123	A	0.02	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
124	B	1.14	Undeveloped/Natural Areas	0.8	0.040	1.0	6.1	0.0000	0.0000
125	A	2.16	Undeveloped/Natural Areas	0.3	0.017	0.4	2.5	0.0000	0.0000
126	A	0.22	Undeveloped/Natural Areas	0.0	0.002	0.0	0.3	0.0000	0.0000
127	A	1.50	Undeveloped/Natural Areas	0.2	0.011	0.3	1.8	0.0000	0.0000
128	B	0.01	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
129	B	0.45	Commercial, low intensity	4.3	0.657	28.2	210.9	0.0660	0.3448
130	A	0.39	Commercial, low intensity	3.6	0.548	23.6	176.2	0.0551	0.2880
131	B	0.03	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
132	A	0.06	Undeveloped/Natural Areas	0.0	0.000	0.0	0.1	0.0000	0.0000
133	A	0.52	Undeveloped/Natural Areas	0.1	0.004	0.1	0.6	0.0000	0.0000
134	A	0.75	Commercial, low intensity	7.0	1.065	45.8	342.1	0.1071	0.5593
135	B	5.64	Commercial, low intensity	54.2	8.215	353.4	2639.1	0.8261	4.3143
136	A	0.00	Commercial, low intensity	0.0	0.001	0.0	0.4	0.0001	0.0006
137	A	0.11	Commercial, low intensity	1.0	0.158	6.8	50.7	0.0159	0.0829
138	A	0.57	Commercial, low intensity	5.4	0.819	35.2	263.0	0.0823	0.4299
139	B	0.01	Commercial, low intensity	0.1	0.015	0.6	4.8	0.0015	0.0079
140	A	6.21	Residential, medium density	37.6	5.943	143.6	681.5	0.2908	1.1268
141	B	0.01	Residential, medium density	0.1	0.014	0.3	1.6	0.0007	0.0027
142	B	1.53	Residential, medium density	10.9	1.728	41.7	198.1	0.0845	0.3275
Raw Pollutant Load Total (lb/yr) =				**1053.6**	**160.3**	**5717.5**	**41740.3**	**63.3**	**77.7**

Outfall: OF12010-1957361-01
Receiving Body of Water: Imperial River
County: LEE
State Road: SR 41

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	10.5	1.603	57.2	417.4	0.6329	0.7767
Streetsweeping Removal (lb/yr)	1.3	0.827	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Wet Pond Removal Efficiency, Eff2 (%)	20%	60%	50%	85%	60%	85%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	60%	80%	70%	96%	74%	96%
Treatment Train Total Removal (lb/yr)	625.0	126.259	3962.3	39463.4	46.3661	73.4357

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	1053.6	160.253	5717.5	41740.3	63.2898	77.6728
BMP Pollutant Load Reduction	636.9	128.689	4019.4	39880.8	46.9990	74.2124
Estimated Pollutant Load to Water Body	**416.7**	**31.6**	**1698.1**	**1859.5**	**16.3**	**3.5**

Outfall: OF12020-1956101-11
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 80

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
210	B	0.05	Residential, low density	0.1	0.017	0.4	2.1	0.0007	0.0028
211	A	0.00	Residential, low density	0.0	0.000	0.0	0.0	0.0000	0.0000
212	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
213	B	0.02	Agriculture, citrus	0.0	0.002	0.0	0.2	0.0000	0.0001
214	C	0.03	Agriculture, citrus	0.1	0.007	0.1	0.6	0.0001	0.0005
215	A	1.58	Agriculture, general	0.6	0.095	0.8	9.5	0.0029	0.0046
216	A	1.69	Agriculture, general	0.7	0.101	0.9	10.2	0.0031	0.0049
217	A	0.01	Residential, low density	0.0	0.001	0.0	0.2	0.0001	0.0002
218	A	1.64	Agriculture, general	0.6	0.098	0.9	9.9	0.0030	0.0048
219	A	9.25	Agriculture, general	3.6	0.556	4.9	55.7	0.0168	0.0271
220	A	0.29	Residential, low density	0.5	0.056	1.4	6.7	0.0023	0.0091
221	A	0.11	Agriculture, citrus	0.0	0.003	0.0	0.2	0.0000	0.0002
222	A	6.41	Undeveloped/Natural Areas	1.0	0.049	1.3	7.5	0.0000	0.0000
223	A	2.69	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
224	B	1.28	Highway	17.0	2.287	54.0	387.7	3.3258	1.3095
225	A	10.93	Highway	142.4	19.103	451.5	3238.9	27.7869	10.9411
226	C	0.84	Highway	11.5	1.545	36.5	261.9	2.2466	0.8846
227	A	6.41	Highway	83.6	11.210	265.0	1900.6	16.3055	6.4203
Raw Pollutant Load Total (lb/yr) =				**261.8**	**35.1**	**817.8**	**5891.7**	**49.7**	**19.6**

Outfall: OF12020-1956101-11
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 80

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	2.6	0.351	8.2	58.9	0.4969	0.1961
Streetsweeping Removal (lb/yr)	2.7	1.730	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Wet Pond Removal Efficiency, Eff2 (%)	20%	60%	50%	85%	60%	85%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	60%	80%	70%	96%	74%	96%
Treatment Train Total Removal (lb/yr)	153.9	26.439	566.7	5570.3	36.4056	18.5400

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	261.8	35.130	817.8	5891.7	49.6937	19.6097
BMP Pollutant Load Reduction	159.2	28.520	574.9	5629.2	36.9025	18.7361
Estimated Pollutant Load to Water Body	**102.6**	**6.6**	**242.9**	**262.5**	**12.8**	**0.9**

Outfall: OF12060-3535-03
Receiving Body of Water: Poley Creek
County: LEE
State Road: SR 78

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
383	A	0.25	Agriculture, general	0.1	0.015	0.1	1.5	0.0004	0.0007
384	A	1.38	Commercial, low intensity	13.0	1.968	84.6	632.1	0.1979	1.0334
385	A	1.10	Undeveloped/Natural Areas	0.2	0.008	0.2	1.3	0.0000	0.0000
386	A	0.51	Undeveloped/Natural Areas	0.1	0.004	0.1	0.6	0.0000	0.0000
387	C	0.31	Undeveloped/Natural Areas	0.5	0.023	0.6	3.5	0.0000	0.0000
388	A	9.08	Highway	118.3	15.869	375.1	2690.5	23.0822	9.0886
389	A	1.03	Highway	13.4	1.802	42.6	305.4	2.6204	1.0318
390	D	1.47	Highway	20.6	2.759	65.2	467.8	4.0130	1.5801
391	C	1.26	Highway	17.2	2.314	54.7	392.3	3.3652	1.3251
392	D	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
393	A	1.13	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
394	A	0.83	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
395	C	0.09	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
396	A	0.03	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
397	A	0.01	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
398	C	0.06	Undeveloped/Natural Areas	0.1	0.004	0.1	0.6	0.0000	0.0000
399	A	15.70	Residential, low density	25.3	3.001	73.8	361.3	0.1257	0.4870
400	A	0.78	Commercial, low intensity	7.3	1.106	47.6	355.4	0.1113	0.5811
401	A	0.09	Commercial, low intensity	0.8	0.123	5.3	39.4	0.0123	0.0645
Raw Pollutant Load Total (lb/yr) =				**216.8**	**29.0**	**750.1**	**5251.8**	**33.5**	**15.2**

Outfall: OF12060-3535-03
Receiving Body of Water: Poley Creek
County: LEE
State Road: SR 78

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	2.2	0.290	7.5	52.5	0.3353	0.1519
Streetsweeping Removal (lb/yr)	2.1	1.371	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Wet Pond Removal Efficiency, Eff2 (%)	20%	60%	50%	85%	60%	85%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	60%	80%	70%	96%	74%	96%
Treatment Train Total Removal (lb/yr)	127.5	21.867	519.8	4965.3	24.5629	14.3635

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	216.8	28.995	750.1	5251.8	33.5284	15.1922
BMP Pollutant Load Reduction	131.8	23.528	527.3	5017.8	24.8982	14.5154
Estimated Pollutant Load to Water Body	**85.0**	**5.5**	**222.8**	**234.0**	**8.6**	**0.7**

Outfall: OF12060-3533-03
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 78

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1823	B	2.76	Commercial, low intensity	26.5	4.022	173.0	1291.8	0.4044	2.1118
1824	B	5.87	Commercial, low intensity	56.3	8.542	367.4	2743.8	0.8589	4.4856
1825	D	0.01	Commercial, low intensity	0.1	0.015	0.6	4.7	0.0015	0.0077
1826	B	0.68	Highway	9.1	1.217	28.8	206.3	1.7695	0.6968
1827	B	5.99	Highway	79.8	10.711	253.2	1815.9	15.5791	6.1343
1828	B	0.68	Highway	9.1	1.223	28.9	207.3	1.7784	0.7003
1829	B	2.11	Undeveloped/Natural Areas	1.5	0.074	1.9	11.3	0.0000	0.0000
1830	B	0.07	Undeveloped/Natural Areas	0.1	0.003	0.1	0.4	0.0000	0.0000
1831	B	0.14	Undeveloped/Natural Areas	0.1	0.005	0.1	0.7	0.0000	0.0000
1832	B	0.30	Residential, low density	0.9	0.105	2.6	12.6	0.0044	0.0170
1833	B	0.01	Residential, high density	0.1	0.030	0.6	4.4	0.0005	0.0049
1834	B	0.00	Residential, high density	0.0	0.002	0.0	0.3	0.0000	0.0003
1835	B	10.86	Commercial, low intensity	104.3	15.817	680.4	5080.8	1.5905	8.3059
1836	B	0.23	Undeveloped/Natural Areas	0.2	0.008	0.2	1.2	0.0000	0.0000
1837	B	0.23	Undeveloped/Natural Areas	0.2	0.008	0.2	1.2	0.0000	0.0000
1838	B	3.20	Undeveloped/Natural Areas	2.3	0.111	2.8	17.0	0.0000	0.0000
1839	B	0.27	Undeveloped/Natural Areas	0.2	0.009	0.2	1.4	0.0000	0.0000
1840	B	1.91	Undeveloped/Natural Areas	1.4	0.066	1.7	10.2	0.0000	0.0000
1841	B	0.74	Commercial, low intensity	7.1	1.081	46.5	347.1	0.1087	0.5675
1842	B	0.34	Commercial, low intensity	3.3	0.499	21.5	160.4	0.0502	0.2623
Raw Pollutant Load Total (lb/yr) =				**302.6**	**43.5**	**1610.7**	**11919.0**	**22.1**	**23.3**

Outfall: OF12060-3533-03
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 78

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	3.0	0.435	16.1	119.2	0.2215	0.2329
Streetsweeping Removal (lb/yr)	1.3	0.824	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	59.7	25.4	797.3	10029.8	13.2	19.6

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	302.6	43.545	1610.7	11919.0	22.1462	23.2943
BMP Pollutant Load Reduction	64.0	26.6	813.4	10149.0	13.4	19.8
Estimated Pollutant Load to Water Body	**238.6**	**16.9**	**797.3**	**1770.0**	**8.8**	**3.5**

Outfall: LE303
Receiving Body of Water: Wetland
County: LEE
State Road: SR 31

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1785	C	0.04	Undeveloped/Natural Areas	0.1	0.003	0.1	0.4	0.0000	0.0000
1786	D	0.97	Undeveloped/Natural Areas	2.1	0.100	2.6	15.3	0.0000	0.0000
1787	B	0.06	Undeveloped/Natural Areas	0.0	0.002	0.1	0.3	0.0000	0.0000
1788	D	0.46	Undeveloped/Natural Areas	1.0	0.047	1.2	7.2	0.0000	0.0000
1789	D	0.09	Undeveloped/Natural Areas	0.2	0.010	0.2	1.5	0.0000	0.0000
1790	B	1.93	Undeveloped/Natural Areas	1.4	0.067	1.7	10.3	0.0000	0.0000
1791	D	1.58	Undeveloped/Natural Areas	3.4	0.164	4.2	25.0	0.0000	0.0000
1792	B	0.04	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
1793	D	0.43	Undeveloped/Natural Areas	0.9	0.045	1.1	6.9	0.0000	0.0000
1794	B	0.20	Undeveloped/Natural Areas	0.1	0.007	0.2	1.1	0.0000	0.0000
1795	C	0.02	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
1796	C	0.12	Undeveloped/Natural Areas	0.2	0.008	0.2	1.3	0.0000	0.0000
1797	D	0.03	Undeveloped/Natural Areas	0.1	0.003	0.1	0.4	0.0000	0.0000
1798	C	0.08	Commercial, low intensity	0.8	0.123	5.3	39.4	0.0123	0.0645
1799	C	1.11	Commercial, low intensity	10.9	1.651	71.0	530.4	0.1660	0.8671
1800	B	0.95	Commercial, low intensity	9.1	1.382	59.4	443.9	0.1390	0.7256
1801	C	1.91	Commercial, low intensity	18.8	2.845	122.4	914.0	0.2861	1.4941
1802	D	0.23	Commercial, low intensity	2.3	0.352	15.1	113.0	0.0354	0.1847
1803	D	0.49	Commercial, low intensity	4.9	0.747	32.1	240.1	0.0751	0.3924
1804	C	0.00	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
Raw Pollutant Load Total (lb/yr) =				**56.4**	**7.6**	**317.1**	**2350.8**	**0.7**	**3.7**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	0.6	0.076	3.2	23.5	0.0071	0.0373
Streetsweeping Removal (lb/yr)	0.0	0.000	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Outfall: LE303
Receiving Body of Water: Wetland
County: LEE
State Road: SR 31

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	56.4	7.559	317.1	2350.8	0.7140	3.7285
BMP Pollutant Load Reduction	0.6	0.076	3.2	23.5	0.0071	0.0373
Estimated Pollutant Load to Water Body	**55.8**	**7.5**	**313.9**	**2327.3**	**0.7**	**3.7**

Outfall: OF289
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 867

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1032	B	12.69	Residential, medium density	90.8	14.348	346.6	1645.4	0.7020	2.7204
1033	B	6.18	Commercial, low intensity	59.3	8.998	387.1	2890.6	0.9049	4.7254
1034	B	2.94	Commercial, low intensity	28.2	4.283	184.2	1375.7	0.4307	2.2490
1035	B	1.45	Commercial, low intensity	13.9	2.113	90.9	678.7	0.2125	1.1096
1036	B	0.00	Highway	0.0	0.006	0.1	0.9	0.0081	0.0032
Raw Pollutant Load Total (lb/yr) =				**192.3**	**29.7**	**1009.0**	**6591.3**	**2.3**	**10.8**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.9	0.297	10.1	65.9	0.0226	0.1081
Streetsweeping Removal (lb/yr)	0.7	0.431	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	192.3	29.747	1009.0	6591.3	2.2582	10.8076
BMP Pollutant Load Reduction	2.6	0.728	10.1	65.9	0.0226	0.1081
Estimated Pollutant Load to Water Body	**189.8**	**29.0**	**998.9**	**6525.4**	**2.2**	**10.7**

Outfall: FM001
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 80

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1037	B	0.71	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1038	B	4.96	Highway	66.1	8.868	209.6	1503.5	12.8991	5.0790
1039	B	2.16	Residential, high density	29.6	6.636	144.2	992.9	0.1149	1.0975
1040	B	0.12	Undeveloped/Natural Areas	0.1	0.004	0.1	0.7	0.0000	0.0000
1041	B	5.36	Residential, medium density	38.4	6.067	146.6	695.7	0.2968	1.1503
1042	B	9.96	Commercial, low intensity	95.6	14.508	624.1	4660.3	1.4589	7.6187
1043	B	2.83	Commercial, low intensity	27.1	4.114	177.0	1321.7	0.4137	2.1606
Raw Pollutant Load Total (lb/yr) =				**257.0**	**40.2**	**1301.6**	**9174.8**	**15.2**	**17.1**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	2.6	0.402	13.0	91.7	0.1518	0.1711
Streetsweeping Removal (lb/yr)	0.9	0.549	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	50.7	23.548	644.3	7720.6	9.0189	14.3948

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	257.0	40.198	1301.6	9174.8	15.1834	17.1061
BMP Pollutant Load Reduction	54.1	24.499	657.3	7812.4	9.1708	14.5658
Estimated Pollutant Load to Water Body	**202.8**	**15.7**	**644.3**	**1362.5**	**6.0**	**2.5**

Outfall: OF295
Receiving Body of Water: Manuel's Branch
County: LEE
State Road: SR 41

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1056	B	0.95	Commercial, low intensity	9.2	1.389	59.7	446.1	0.1397	0.7293
1057	B	2.63	Commercial, low intensity	25.3	3.835	165.0	1231.9	0.3856	2.0139
1058	B	3.70	Commercial, low intensity	35.5	5.387	231.7	1730.3	0.5417	2.8287
1059	B	4.29	Highway	57.3	7.684	181.6	1302.8	11.1769	4.4009
Raw Pollutant Load Total (lb/yr) =				**127.2**	**18.3**	**638.1**	**4711.2**	**12.2**	**10.0**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.3	0.183	6.4	47.1	0.1224	0.0997
Streetsweeping Removal (lb/yr)	0.6	0.356	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	127.2	18.295	638.1	4711.2	12.2438	9.9728
BMP Pollutant Load Reduction	1.8	0.539	6.4	47.1	0.1224	0.0997
Estimated Pollutant Load to Water Body	**125.4**	**17.8**	**631.7**	**4664.1**	**12.1**	**9.9**

Outfall: FM059
Receiving Body of Water: Manuel's Branch
County: LEE
State Road: SR 41

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1060	A	0.01	Residential, medium density	0.1	0.008	0.2	0.9	0.0004	0.0015
1061	D	0.09	Residential, medium density	0.8	0.131	3.2	15.0	0.0064	0.0248
1062	B	1.05	Commercial, low intensity	10.0	1.522	65.5	488.9	0.1530	0.7992
1063	A	1.01	Commercial, low intensity	9.5	1.441	62.0	462.9	0.1449	0.7568
1064	D	4.65	Commercial, low intensity	46.6	7.074	304.3	2272.5	0.7114	3.7150
1065	A	0.07	Commercial, low intensity	0.7	0.101	4.4	32.6	0.0102	0.0533
1066	B	0.69	Commercial, low intensity	6.6	1.000	43.0	321.3	0.1006	0.5252
1067	D	4.15	Commercial, low intensity	41.7	6.320	271.9	2030.3	0.6356	3.3190
1068	B	0.86	Highway	11.4	1.530	36.2	259.4	2.2257	0.8764
1069	D	3.92	Highway	54.7	7.340	173.5	1244.5	10.6770	4.2041
Raw Pollutant Load Total (lb/yr) =				**182.1**	**26.5**	**964.1**	**7128.3**	**14.7**	**14.3**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.8	0.265	9.6	71.3	0.1467	0.1428
Streetsweeping Removal (lb/yr)	0.8	0.506	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	182.1	26.469	964.1	7128.3	14.6651	14.2752
BMP Pollutant Load Reduction	2.6	0.771	9.6	71.3	0.1467	0.1428
Estimated Pollutant Load to Water Body	**179.5**	**25.7**	**954.4**	**7057.0**	**14.5**	**14.1**

Outfall: FM073
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 80

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1070	D	1.40	Commercial, low intensity	14.1	2.135	91.8	685.9	0.2147	1.1212
1071	D	2.50	Highway	34.9	4.685	110.7	794.4	6.8150	2.6834
1072	B	10.39	Commercial, low intensity	99.7	15.123	650.5	4858.0	1.5208	7.9418
1073	D	13.84	Commercial, low intensity	138.9	21.067	906.2	6767.4	2.1185	11.0632
1074	D	0.75	Commercial, low intensity	7.5	1.145	49.2	367.8	0.1151	0.6012
1075	B	2.02	Commercial, low intensity	19.4	2.939	126.4	944.2	0.2956	1.5435
1076	D	5.89	Commercial, low intensity	59.1	8.970	385.9	2881.4	0.9020	4.7104
1077	D	3.29	Commercial, low intensity	33.0	5.006	215.3	1608.0	0.5034	2.6288
1078	B	6.73	Residential, medium density	48.2	7.607	183.8	872.4	0.3722	1.4424
1079	B	1.89	Commercial, low intensity	18.1	2.748	118.2	882.8	0.2763	1.4431
1080	D	2.15	Commercial, low intensity	21.6	3.278	141.0	1052.9	0.3296	1.7212
Raw Pollutant Load Total (lb/yr) =				**494.5**	**74.7**	**2979.2**	**21714.9**	**13.5**	**36.9**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	4.9	0.747	29.8	217.1	0.1346	0.3690
Streetsweeping Removal (lb/yr)	2.4	1.523	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	494.5	74.703	2979.2	21714.9	13.4632	36.9001
BMP Pollutant Load Reduction	7.3	2.270	29.8	217.1	0.1346	0.3690
Estimated Pollutant Load to Water Body	**487.2**	**72.4**	**2949.4**	**21497.8**	**13.3**	**36.5**

Outfall: FM078
Receiving Body of Water: Billy Creek
County: LEE
State Road: SR 80

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1081	A	0.02	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1082	B	6.77	Commercial, low intensity	65.0	9.863	424.3	3168.2	0.9918	5.1794
1083	A	0.30	Commercial, low intensity	2.8	0.422	18.2	135.6	0.0424	0.2217
1084	A	2.09	Commercial, low intensity	19.7	2.982	128.3	957.8	0.2998	1.5658
1085	A	0.02	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
Raw Pollutant Load Total (lb/yr) =				**87.5**	**13.3**	**570.7**	**4261.7**	**1.3**	**7.0**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	0.9	0.133	5.7	42.6	0.0133	0.0697
Streetsweeping Removal (lb/yr)	0.0	0.000	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	43.3	6.567	226.0	2953.3	0.4623	4.8280

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	87.5	13.267	570.7	4261.7	1.3341	6.9668
BMP Pollutant Load Reduction	44.2	6.700	231.7	2995.9	0.4756	4.8977
Estimated Pollutant Load to Water Body	**43.3**	**6.6**	**339.0**	**1265.7**	**0.9**	**2.1**

Outfall: OFS206
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 80

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1343	D	0.77	Highway	10.7	1.433	33.9	243.0	2.0846	0.8208
1344	B	3.41	Commercial, low intensity	32.7	4.964	213.5	1594.5	0.4992	2.6067
1345	B	18.74	Residential, medium density	134.2	21.195	512.1	2430.7	1.0371	4.0187
1346	A	0.02	Residential, medium density	0.1	0.021	0.5	2.4	0.0010	0.0039
1347	B	11.49	Commercial, low intensity	110.3	16.732	719.8	5374.9	1.6826	8.7869
1348	D	2.40	Commercial, low intensity	24.0	3.647	156.9	1171.4	0.3667	1.9151
1349	A	0.02	Commercial, low intensity	0.2	0.034	1.5	11.0	0.0034	0.0180
Raw Pollutant Load Total (lb/yr) =				**312.3**	**48.0**	**1638.1**	**10827.9**	**5.7**	**18.2**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	3.1	0.480	16.4	108.3	0.0567	0.1817
Streetsweeping Removal (lb/yr)	2.3	1.482	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	312.3	48.026	1638.1	10827.9	5.6746	18.1700
BMP Pollutant Load Reduction	5.4	1.962	16.4	108.3	0.0567	0.1817
Estimated Pollutant Load to Water Body	**306.8**	**46.1**	**1621.7**	**10719.6**	**5.6**	**18.0**

Outfall: OF12020-3530-02
Receiving Body of Water: Canal to Caloosahatchee Riv
County: LEE
State Road: SR 80

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1350	B	0.69	Undeveloped/Natural Areas	0.5	0.024	0.6	3.7	0.0000	0.0000
1351	B	1.48	Highway	19.7	2.649	62.6	449.2	3.8535	1.5173
1352	A	51.97	Highway	677.1	90.830	2146.9	15399.9	132.1167	52.0209
1353	A	4.09	Highway	53.3	7.156	169.1	1213.3	10.4092	4.0986
1354	B	0.63	Highway	8.4	1.127	26.6	191.1	1.6398	0.6457
1355	A	8.52	Commercial, low intensity	80.0	12.141	522.3	3900.0	1.2209	6.3757
1356	B	0.17	Commercial, low intensity	1.6	0.244	10.5	78.4	0.0245	0.1281
1357	A	0.33	Residential, medium density	2.0	0.314	7.6	36.0	0.0153	0.0594
1358	A	0.08	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1359	B	0.17	Residential, medium density	1.2	0.192	4.6	22.0	0.0094	0.0363
1360	A	0.14	Residential, medium density	0.9	0.135	3.3	15.5	0.0066	0.0256
1361	A	2.28	Commercial, low intensity	21.4	3.241	139.4	1041.0	0.3259	1.7018
1362	A	0.00	Commercial, low intensity	0.0	0.005	0.2	1.5	0.0005	0.0024
1363	B	0.00	Commercial, low intensity	0.0	0.001	0.1	0.5	0.0001	0.0008
1364	A	0.00	Commercial, low intensity	0.0	0.006	0.3	1.9	0.0006	0.0032
1365	A	0.03	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1366	B	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1367	A	1.26	Residential, medium density	7.7	1.210	29.2	138.7	0.0592	0.2293
Raw Pollutant Load Total (lb/yr) =				**873.9**	**119.3**	**3123.3**	**22492.6**	**149.7**	**66.8**

Outfall: OF12020-3530-02
Receiving Body of Water: Canal to Caloosahatchee Riv
County: LEE
State Road: SR 80

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	8.7	1.193	31.2	224.9	1.4968	0.6685
Streetsweeping Removal (lb/yr)	0.9	0.551	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	172.9	70.518	1546.0	18927.5	88.9112	56.2502

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	873.9	119.275	3123.3	22492.6	149.6822	66.8451
BMP Pollutant Load Reduction	182.5	72.263	1577.3	19152.4	90.4080	56.9186
Estimated Pollutant Load to Water Body	**691.4**	**47.0**	**1546.0**	**3340.2**	**59.3**	**9.9**

Outfall: OF12040-3515-03
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 867

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1368	C	1.16	Commercial, low intensity	11.4	1.729	74.4	555.5	0.1739	0.9082
1369	B	2.00	Commercial, low intensity	19.2	2.914	125.4	936.1	0.2930	1.5303
1370	A	1.07	Commercial, low intensity	10.1	1.530	65.8	491.5	0.1539	0.8035
1371	B	3.07	Commercial, low intensity	29.5	4.471	192.3	1436.1	0.4496	2.3477
1372	A	0.07	Commercial, low intensity	0.6	0.093	4.0	30.0	0.0094	0.0490
1373	A	0.58	Commercial, low intensity	5.4	0.824	35.5	264.8	0.0829	0.4329
1374	C	0.01	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1375	B	1.79	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1376	A	0.08	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1377	B	0.45	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1378	B	3.44	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1379	B	0.38	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1380	A	0.00	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1381	A	0.00	Commercial, low intensity	0.0	0.000	0.0	0.2	0.0000	0.0002
1382	B	0.05	Undeveloped/Natural Areas	0.0	0.002	0.0	0.3	0.0000	0.0000
1383	B	4.38	Residential, medium density	31.4	4.955	119.7	568.2	0.2424	0.9395
1384	A	0.81	Residential, high density	10.4	2.335	50.8	349.4	0.0404	0.3862
1385	A	0.78	Commercial, low intensity	7.3	1.111	47.8	356.8	0.1117	0.5833
1386	A	0.65	Commercial, low intensity	6.1	0.926	39.8	297.4	0.0931	0.4862
1387	B	0.11	Residential, high density	1.5	0.335	7.3	50.2	0.0058	0.0554
1388	A	1.79	Highway	23.4	3.136	74.1	531.6	4.5609	1.7958
1389	B	8.70	Highway	116.0	15.562	367.8	2638.5	22.6357	8.9128
1390	A	0.03	Highway	0.3	0.046	1.1	7.8	0.0668	0.0263
1391	A	8.58	Highway	111.8	14.999	354.5	2543.0	21.8163	8.5902
1392	A	0.01	Highway	0.1	0.010	0.2	1.7	0.0142	0.0056
1393	B	0.40	Highway	5.3	0.715	16.9	121.1	1.0393	0.4092
1394	B	0.25	Residential, medium density	1.8	0.278	6.7	31.9	0.0136	0.0527
1395	B	0.00	Residential, high density	0.1	0.014	0.3	2.1	0.0002	0.0023
1396	B	0.09	Residential, high density	1.2	0.266	5.8	39.8	0.0046	0.0440
Raw Pollutant Load Total (lb/yr) =				**392.9**	**56.3**	**1590.2**	**11253.8**	**51.8**	**28.4**

Outfall: OF12040-3515-03
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 867

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	3.9	0.563	15.9	112.5	0.5181	0.2836
Streetsweeping Removal (lb/yr)	6.7	4.313	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	76.4	30.825	787.2	9470.1	30.7738	23.8661

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	392.9	56.251	1590.2	11253.8	51.8077	28.3614
BMP Pollutant Load Reduction	87.1	35.701	803.1	9582.6	31.2918	24.1497
Estimated Pollutant Load to Water Body	**305.8**	**20.5**	**787.2**	**1671.2**	**20.5**	**4.2**

Outfall: OF12040-3515-03
Receiving Body of Water: Caloosahatchee River
County: LEE
State Road: SR 867

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1397	A	0.06	Residential, high density	0.8	0.182	4.0	27.2	0.0031	0.0301
1398	A	1.03	Undeveloped/Natural Areas	0.2	0.008	0.2	1.2	0.0000	0.0000
1399	A	0.70	Undeveloped/Natural Areas	0.1	0.005	0.1	0.8	0.0000	0.0000
1400	A	2.27	Residential, medium density	13.7	2.171	52.5	249.0	0.1062	0.4117
1401	A	0.08	Commercial, low intensity	0.8	0.116	5.0	37.3	0.0117	0.0610
1402	A	1.63	Commercial, low intensity	15.3	2.316	99.6	743.9	0.2329	1.2161
1403	A	0.13	Commercial, low intensity	1.2	0.182	7.8	58.5	0.0183	0.0956
1404	A	0.00	Residential, high density	0.0	0.001	0.0	0.2	0.0000	0.0002
1405	A	4.44	Highway	57.9	7.761	183.4	1315.8	11.2880	4.4447
1406	A	2.80	Highway	36.5	4.896	115.7	830.1	7.1217	2.8042
1407	B	0.00	Highway	0.1	0.007	0.2	1.2	0.0106	0.0042
1408	A	1.18	Highway	15.4	2.062	48.7	349.6	2.9989	1.1808
1409	A	0.07	Highway	0.8	0.114	2.7	19.3	0.1658	0.0653
1410	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
Raw Pollutant Load Total (lb/yr) =				**142.7**	**19.8**	**520.0**	**3634.1**	**22.0**	**10.3**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.4	0.198	5.2	36.3	0.2196	0.1031
Streetsweeping Removal (lb/yr)	1.7	1.077	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	27.9	11.128	257.4	3058.1	13.0426	8.6791

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	142.7	19.821	520.0	3634.1	21.9572	10.3138
BMP Pollutant Load Reduction	31.0	12.403	262.6	3094.5	13.2622	8.7822
Estimated Pollutant Load to Water Body	**111.7**	**7.4**	**257.4**	**539.7**	**8.7**	**1.5**

Outfall: OF12040-3514-01
Receiving Body of Water: Canal to Deep Lagoon
County: LEE
State Road: SR 867

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1468	B	1.03	Residential, high density	14.1	3.155	68.6	472.1	0.0546	0.5218
1469	B	0.38	Residential, high density	5.3	1.179	25.6	176.4	0.0204	0.1950
1470	B	0.06	Residential, high density	0.9	0.193	4.2	28.9	0.0033	0.0319
1471	B	0.71	Commercial, low intensity	6.8	1.037	44.6	333.2	0.1043	0.5447
1472	B	0.27	Commercial, low intensity	2.5	0.386	16.6	124.0	0.0388	0.2028
1473	B	0.02	Commercial, low intensity	0.2	0.023	1.0	7.4	0.0023	0.0121
1474	A	0.05	Commercial, low intensity	0.5	0.076	3.3	24.5	0.0077	0.0400
1475	B	0.38	Commercial, low intensity	3.6	0.553	23.8	177.7	0.0556	0.2905
1476	B	0.32	Commercial, low intensity	3.0	0.462	19.9	148.3	0.0464	0.2425
1477	B	0.23	Residential, high density	3.2	0.712	15.5	106.5	0.0123	0.1178
1478	B	0.01	Residential, high density	0.2	0.042	0.9	6.3	0.0007	0.0069
1479	B	0.20	Undeveloped/Natural Areas	0.1	0.007	0.2	1.1	0.0000	0.0000
1480	B	1.66	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1481	D	0.76	Highway	10.6	1.419	33.5	240.5	2.0636	0.8125
1482	B	1.61	Highway	21.5	2.885	68.2	489.2	4.1967	1.6525
1483	B	0.54	Highway	7.2	0.971	22.9	164.6	1.4118	0.5559
1484	B	7.01	Highway	93.6	12.551	296.7	2128.0	18.2563	7.1884
1485	B	2.94	Highway	39.2	5.262	124.4	892.1	7.6536	3.0136
1486	D	0.01	Commercial, low intensity	0.1	0.008	0.4	2.7	0.0008	0.0044
1487	B	0.27	Commercial, low intensity	2.6	0.399	17.2	128.2	0.0401	0.2096
1488	B	2.86	Residential, medium density	20.5	3.235	78.1	370.9	0.1583	0.6133
Raw Pollutant Load Total (lb/yr) =				**235.7**	**34.6**	**865.5**	**6022.7**	**34.1**	**16.3**

Outfall: OF12040-3514-01
Receiving Body of Water: Canal to Deep Lagoon
County: LEE
State Road: SR 867

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	2.4	0.346	8.7	60.2	0.3413	0.1626
Streetsweeping Removal (lb/yr)	4.5	2.872	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	45.8	18.803	428.4	5068.1	20.2720	13.6796

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	235.7	34.556	865.5	6022.7	34.1279	16.2563
BMP Pollutant Load Reduction	52.6	22.021	437.1	5128.3	20.6132	13.8422
Estimated Pollutant Load to Water Body	**183.1**	**12.5**	**428.4**	**894.4**	**13.5**	**2.4**

Outfall: OF12004-3505-03
Receiving Body of Water: Hurricane Bay
County: LEE
State Road: SR 865

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1489	A	2.43	Highway	31.7	4.254	100.5	721.2	6.1870	2.4361
1490	B	1.96	Highway	26.1	3.502	82.8	593.7	5.0937	2.0057
1491	B	0.08	Highway	1.1	0.152	3.6	25.7	0.2206	0.0869
1492	A	4.44	Highway	57.9	7.767	183.6	1316.8	11.2972	4.4483
1493	B	0.39	Highway	5.3	0.705	16.7	119.6	1.0257	0.4039
1494	A	0.02	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1495	A	0.06	Commercial, low intensity	0.6	0.087	3.7	28.0	0.0088	0.0457
1496	B	0.06	Residential, high density	0.8	0.182	4.0	27.3	0.0032	0.0302
1497	B	0.03	Residential, high density	0.4	0.097	2.1	14.5	0.0017	0.0160
1498	B	0.02	Residential, medium density	0.2	0.026	0.6	3.0	0.0013	0.0050
1499	B	2.71	Commercial, low intensity	26.0	3.945	169.7	1267.1	0.3967	2.0715
1500	A	0.02	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
Raw Pollutant Load Total (lb/yr) =				**150.1**	**20.7**	**567.3**	**4117.0**	**24.2**	**11.5**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.5	0.207	5.7	41.2	0.2424	0.1155
Streetsweeping Removal (lb/yr)	2.5	1.568	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	29.2	11.365	280.8	3464.5	14.3961	9.7187

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	150.1	20.717	567.3	4117.0	24.2358	11.5492
BMP Pollutant Load Reduction	33.2	13.140	286.5	3505.6	14.6384	9.8342
Estimated Pollutant Load to Water Body	**116.9**	**7.6**	**280.8**	**611.4**	**9.6**	**1.7**

Outfall: OF12004-3505-04
Receiving Body of Water: Hurricane Bay
County: LEE
State Road: SR 865

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1501	A	4.14	Highway	53.9	7.227	170.8	1225.4	10.5126	4.1394
1502	A	1.93	Highway	25.1	3.367	79.6	570.9	4.8975	1.9284
1503	D	0.00	Highway	0.0	0.001	0.0	0.2	0.0021	0.0008
1504	B	2.34	Highway	31.3	4.195	99.1	711.2	6.1012	2.4023
1505	A	0.00	Highway	0.0	0.000	0.0	0.0	0.0000	0.0000
1506	A	0.72	Commercial, low intensity	6.8	1.030	44.3	330.8	0.1035	0.5407
1507	A	0.01	Commercial, low intensity	0.1	0.011	0.5	3.4	0.0011	0.0056
1508	A	0.27	Commercial, low intensity	2.5	0.386	16.6	124.0	0.0388	0.2028
1509	A	0.38	Undeveloped/Natural Areas	0.1	0.003	0.1	0.4	0.0000	0.0000
1510	A	0.05	Undeveloped/Natural Areas	0.0	0.000	0.0	0.1	0.0000	0.0000
1511	B	0.02	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1512	A	1.15	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1513	A	0.01	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1514	A	0.62	Commercial, low intensity	5.8	0.877	37.7	281.7	0.0882	0.4605
1515	B	0.67	Commercial, low intensity	6.4	0.977	42.0	313.9	0.0983	0.5132
1516	A	0.34	Residential, high density	4.4	0.979	21.3	146.4	0.0169	0.1618
1517	A	0.19	Residential, high density	2.5	0.560	12.2	83.7	0.0097	0.0926
1518	A	0.42	Commercial, low intensity	3.9	0.596	25.6	191.4	0.0599	0.3128
1519	B	1.86	Commercial, low intensity	17.8	2.704	116.3	868.5	0.2719	1.4198
1520	A	0.55	Undeveloped/Natural Areas	0.1	0.004	0.1	0.6	0.0000	0.0000
1521	A	0.04	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1522	A	0.17	Residential, high density	2.1	0.478	10.4	71.6	0.0083	0.0791
1523	B	0.01	Residential, high density	0.2	0.041	0.9	6.2	0.0007	0.0068
1524	A	0.83	Commercial, low intensity	7.8	1.182	50.8	379.7	0.1189	0.6208
Raw Pollutant Load Total (lb/yr) =				**170.8**	**24.6**	**728.4**	**5310.2**	**22.3**	**12.9**

Outfall: OF12004-3505-04
Receiving Body of Water: Hurricane Bay
County: LEE
State Road: SR 865

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	1.7	0.246	7.3	53.1	0.2233	0.1289
Streetsweeping Removal (lb/yr)	1.6	1.005	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	33.5	14.020	360.6	4468.6	13.2638	10.8447

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	170.8	24.619	728.4	5310.2	22.3296	12.8874
BMP Pollutant Load Reduction	36.8	15.272	367.9	4521.7	13.4871	10.9736
Estimated Pollutant Load to Water Body	**134.0**	**9.3**	**360.6**	**788.6**	**8.8**	**1.9**

Outfall: OF16320-3408-11
Receiving Body of Water: Ditch to Green Swamp
County: POLK
State Road: SR 400

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
143	A	5.63	Residential, high density	68.6	15.374	334.1	2300.2	0.2661	2.5427
144	A	0.90	Residential, high density	10.9	2.446	53.2	366.0	0.0423	0.4045
145	A	9.55	Residential, high density	116.4	26.092	567.0	3903.7	0.4516	4.3152
146	D	0.00	Commercial, low intensity	0.0	0.001	0.0	0.3	0.0001	0.0005
147	A	4.45	Undeveloped/Natural Areas	0.4	0.021	0.5	3.2	0.0000	0.0000
148	A	0.10	Undeveloped/Natural Areas	0.0	0.000	0.0	0.1	0.0000	0.0000
149	D	0.01	Undeveloped/Natural Areas	0.0	0.000	0.0	0.1	0.0000	0.0000
150	A	11.12	Undeveloped/Natural Areas	1.1	0.053	1.4	8.1	0.0000	0.0000
151	A	0.40	Undeveloped/Natural Areas	0.0	0.002	0.0	0.3	0.0000	0.0000
152	A	0.07	Undeveloped/Natural Areas	0.0	0.000	0.0	0.1	0.0000	0.0000
153	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
154	A	8.53	Undeveloped/Natural Areas	0.9	0.041	1.0	6.2	0.0000	0.0000
155	A	0.69	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
156	A	1.27	Undeveloped/Natural Areas	0.1	0.006	0.2	0.9	0.0000	0.0000
157	A	1.09	Undeveloped/Natural Areas	0.1	0.005	0.1	0.8	0.0000	0.0000
158	A	0.25	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
159	A	17.98	Highway	224.2	30.072	710.8	5098.6	43.7410	17.2230
160	A	0.06	Highway	0.8	0.104	2.5	17.6	0.1510	0.0595
161	A	3.43	Agriculture, general	0.8	0.129	1.1	12.9	0.0039	0.0063
162	A	0.19	Agriculture, general	0.0	0.007	0.1	0.7	0.0002	0.0004
163	A	1.22	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
164	A	0.00	Highway	0.0	0.000	0.0	0.0	0.0000	0.0000
165	A	0.00	Commercial, low intensity	0.0	0.000	0.0	0.0	0.0000	0.0000
166	A	0.00	Highway	0.0	0.001	0.0	0.2	0.0014	0.0005
167	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
168	A	5.71	Highway	71.2	9.552	225.8	1619.4	13.8932	5.4704
169	A	5.71	Highway	71.2	9.552	225.8	1619.4	13.8932	5.4704
170	D	0.01	Highway	0.1	0.013	0.3	2.2	0.0191	0.0075
171	D	0.01	Highway	0.1	0.013	0.3	2.2	0.0191	0.0075

Outfall: OF16320-3408-11
Receiving Body of Water: Ditch to Green Swamp
County: POLK
State Road: SR 400

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
172	A	0.24	Commercial, low intensity	2.1	0.325	14.0	104.4	0.0327	0.1706
173	A	0.24	Commercial, low intensity	2.1	0.325	14.0	104.4	0.0327	0.1706
174	D	0.14	Commercial, low intensity	1.3	0.201	8.7	64.6	0.0202	0.1056
175	D	0.14	Commercial, low intensity	1.3	0.201	8.7	64.6	0.0202	0.1056
176	A	0.00	Commercial, low intensity	0.0	0.003	0.1	0.9	0.0003	0.0014
177	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
178	D	0.00	Commercial, low intensity	0.0	0.001	0.0	0.3	0.0001	0.0004
179	D	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
180	A	0.02	Commercial, low intensity	0.2	0.030	1.3	9.8	0.0031	0.0160
181	A	0.02	Highway	0.3	0.037	0.9	6.3	0.0543	0.0214
182	D	0.01	Commercial, low intensity	0.1	0.010	0.4	3.3	0.0010	0.0053
183	D	0.01	Highway	0.1	0.013	0.3	2.1	0.0182	0.0072
Raw Pollutant Load Total (lb/yr) =				**574.8**	**94.6**	**2172.7**	**15324.6**	**72.7**	**36.1**

Outfall: OF16320-3408-11
Receiving Body of Water: Ditch to Green Swamp
County: POLK
State Road: SR 400

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	5.7	0.946	21.7	153.2	0.7266	0.3611
Streetsweeping Removal (lb/yr)	2.3	1.492	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Wet Pond Removal Efficiency, Eff2 (%)	20%	60%	50%	85%	60%	85%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	60%	80%	70%	96%	74%	96%
Treatment Train Total Removal (lb/yr)	340.0	73.758	1505.6	14488.6	53.2343	34.1428

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	574.8	94.635	2172.7	15324.6	72.6649	36.1127
BMP Pollutant Load Reduction	348.1	76.196	1527.4	14641.9	53.9610	34.5039
Estimated Pollutant Load to Water Body	**226.7**	**18.4**	**645.3**	**682.7**	**18.7**	**1.6**

Outfall: FDOT-37-50
Receiving Body of Water: Lake Miriam
County: POLK
State Road: SR 37

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
276	A	4.53	Residential, high density	55.2	12.380	269.0	1852.2	0.214	2.047
277	A	0.62	Residential, high density	7.5	1.690	36.7	252.9	0.029	0.280
278	A	0.30	Residential, high density	3.7	0.819	17.8	122.6	0.014	0.136
279	A	26.32	Residential, high density	320.8	71.898	1562.4	10757.0	1.244	11.891
280	A	0.28	Residential, high density	3.4	0.755	16.4	113.0	0.013	0.125
281	A	0.00	Residential, high density	0.0	0.000	0.0	0.1	0.000	0.000
282	D	4.35	Commercial, low intensity	41.6	6.309	271.4	2026.5	0.634	3.313
283	A	4.31	Commercial, low intensity	38.7	5.869	252.5	1885.2	0.590	3.082
284	A	3.70	Commercial, low intensity	33.3	5.047	217.1	1621.3	0.508	2.651
285	A	2.80	Commercial, low intensity	25.2	3.816	164.2	1225.9	0.384	2.004
286	A	0.02	Commercial, low intensity	0.1	0.022	1.0	7.2	0.002	0.012
287	D	1.68	Commercial, low intensity	16.0	2.434	104.7	781.8	0.245	1.278
288	A	1.69	Commercial, low intensity	15.2	2.309	99.3	741.8	0.232	1.213
289	A	2.04	Commercial, low intensity	18.3	2.782	119.7	893.7	0.280	1.461
290	A	9.10	Commercial, low intensity	81.8	12.407	533.7	3985.6	1.248	6.516
291	A	11.96	Commercial, low intensity	107.5	16.303	701.3	5237.0	1.639	8.561
292	A	0.38	Undeveloped/Natural Areas	0.0	0.002	0.0	0.3	0.000	0.000
293	A	0.41	Undeveloped/Natural Areas	0.0	0.002	0.1	0.3	0.000	0.000
294	D	2.38	Highway	31.7	4.254	100.6	721.3	6.188	2.437
295	A	5.74	Highway	71.6	9.600	226.9	1627.7	13.964	5.498
Raw Pollutant Load Total (lb/yr) =				**871.7**	**158.7**	**4694.8**	**33853.5**	**27.4**	**52.5**

Outfall: FDOT-37-50
Receiving Body of Water: Lake Miriam
County: POLK
State Road: SR 37

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	8.7	1.587	46.9	338.5	0.274	0.525
Streetsweeping Removal (lb/yr)	1.4	0.878	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	430.8	78.118	1859.1	23460.5	9.504	36.385

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	871.7	158.701	4694.8	33853.5	27.429	52.503
BMP Pollutant Load Reduction	440.9	80.583	1906.1	23799.0	9.779	36.910
Estimated Pollutant Load to Water Body	**430.8**	**78.1**	**2788.7**	**10054.5**	**17.7**	**15.6**

Outfall: FDOT-540-70
Receiving Body of Water: Lake Winterset
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
296	A	2.54	Residential, high density	31.0	6.948	151.0	1039.5	0.1202	1.1490
297	A	0.58	Residential, high density	7.0	1.576	34.3	235.8	0.0273	0.2607
298	A	0.51	Commercial, low intensity	4.6	0.701	30.1	225.1	0.0705	0.3680
299	A	0.17	Commercial, low intensity	1.5	0.230	9.9	73.8	0.0231	0.1207
300	A	0.01	Commercial, low intensity	0.1	0.018	0.8	5.8	0.0018	0.0095
301	A	0.61	Commercial, low intensity	5.4	0.827	35.6	265.5	0.0831	0.4341
302	A	8.05	Commercial, low intensity	72.3	10.966	471.7	3522.6	1.1027	5.7587
303	A	1.10	Undeveloped/Natural Areas	0.1	0.005	0.1	0.8	0.0000	0.0000
304	A	2.05	Undeveloped/Natural Areas	0.2	0.010	0.3	1.5	0.0000	0.0000
305	A	0.05	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
306	A	0.21	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
307	A	1.68	Highway	20.9	2.802	66.2	475.1	4.0762	1.6050
308	A	8.26	Highway	102.9	13.807	326.4	2341.0	20.0834	7.9078
309	A	0.29	Highway	3.6	0.480	11.3	81.3	0.6975	0.2746
310	A	0.50	Highway	6.2	0.830	19.6	140.7	1.2073	0.4754
Raw Pollutant Load Total (lb/yr) =				**255.9**	**39.2**	**1157.3**	**8408.9**	**27.5**	**18.4**

Outfall: FDOT-540-70
Receiving Body of Water: Lake Winterset
County: POLK
State Road: SR 540

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	2.6	0.392	11.6	84.1	0.2749	0.1836
Streetsweeping Removal (lb/yr)	0.8	0.522	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	126.3	19.143	458.3	5827.4	9.5264	12.7260

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	255.9	39.201	1157.3	8408.9	27.4933	18.3637
BMP Pollutant Load Reduction	129.7	20.058	469.9	5911.5	9.8014	12.9097
Estimated Pollutant Load to Water Body	**126.3**	**19.1**	**687.4**	**2497.4**	**17.7**	**5.5**

Outfall: FDOT-540-60
Receiving Body of Water: Lake Summit
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
311	A	16.32	Residential, medium density	92.3	14.582	352.3	1672.3	0.7135	2.7649
312	A	6.68	Residential, medium density	37.8	5.967	144.1	684.3	0.2919	1.1313
313	A	0.08	Commercial, low intensity	0.7	0.106	4.5	33.9	0.0106	0.0555
314	A	2.92	Commercial, low intensity	26.3	3.986	171.5	1280.3	0.4008	2.0930
315	A	0.11	Commercial, low intensity	1.0	0.152	6.6	49.0	0.0153	0.0801
316	A	1.62	Commercial, low intensity	14.5	2.204	94.8	707.9	0.2216	1.1572
317	A	3.06	Commercial, low intensity	27.5	4.168	179.3	1339.0	0.4192	2.1890
318	A	3.68	Commercial, low intensity	33.1	5.017	215.8	1611.5	0.5045	2.6345
319	A	6.50	Highway	81.0	10.867	256.9	1842.5	15.8068	6.2239
320	A	0.02	Highway	0.3	0.041	1.0	7.0	0.0600	0.0236
321	A	2.33	Highway	29.1	3.898	92.1	660.9	5.6702	2.2326
Raw Pollutant Load Total (lb/yr) =				**343.5**	**51.0**	**1518.9**	**9888.5**	**24.1**	**20.6**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	3.4	0.510	15.2	98.9	0.2411	0.2059
Streetsweeping Removal (lb/yr)	2.1	1.328	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	343.5	50.988	1518.9	9888.5	24.1145	20.5856
BMP Pollutant Load Reduction	5.5	1.838	15.2	98.9	0.2411	0.2059
Estimated Pollutant Load to Water Body	**338.0**	**49.2**	**1503.7**	**9789.7**	**23.9**	**20.4**

Outfall: FDOT-37-20
Receiving Body of Water: Phosphate Pit
County: POLK
State Road: SR 37

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
322	A	1.71	Residential, medium density	9.7	1.531	37.0	175.6	0.0749	0.2903
323	D	0.01	Commercial, low intensity	0.1	0.019	0.8	6.1	0.0019	0.0100
324	A	7.90	Commercial, low intensity	70.9	10.762	463.0	3457.1	1.0822	5.6516
325	A	0.54	Commercial, low intensity	4.8	0.734	31.6	235.8	0.0738	0.3855
326	A	0.03	Mining/Extractive	0.3	0.039	20.0	15.8	0.0008	0.0150
327	A	1.74	Highway	21.7	2.914	68.9	494.1	4.2390	1.6691
Raw Pollutant Load Total (lb/yr) =				**107.6**	**16.0**	**621.2**	**4384.5**	**5.5**	**8.0**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.1	0.160	6.2	43.8	0.0547	0.0802
Streetsweeping Removal (lb/yr)	0.1	0.069	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	107.6	16.000	621.2	4384.5	5.4726	8.0215
BMP Pollutant Load Reduction	1.2	0.229	6.2	43.8	0.0547	0.0802
Estimated Pollutant Load to Water Body	**106.5**	**15.8**	**615.0**	**4340.6**	**5.4**	**7.9**

Outfall: FDOT-37-15
Receiving Body of Water: Ellis Branch
County: POLK
State Road: SR 37

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
328	A	0.41	Residential, medium density	2.3	0.362	8.8	41.6	0.0177	0.0687
329	A	30.88	Residential, medium density	174.7	27.597	666.7	3164.8	1.3503	5.2325
330	A	7.98	Residential, medium density	45.2	7.134	172.3	818.1	0.3491	1.3526
331	A	2.42	Residential, medium density	13.7	2.159	52.1	247.5	0.1056	0.4093
332	A	0.77	Residential, high density	9.4	2.112	45.9	316.0	0.0366	0.3493
333	A	1.17	Residential, high density	14.2	3.186	69.2	476.7	0.0551	0.5269
334	A	2.86	Commercial, low intensity	25.7	3.893	167.5	1250.6	0.3915	2.0444
335	A	1.89	Commercial, low intensity	17.0	2.576	110.8	827.5	0.2590	1.3527
336	A	0.81	Commercial, low intensity	7.3	1.103	47.4	354.3	0.1109	0.5791
337	A	1.74	Highway	21.6	2.902	68.6	492.0	4.2211	1.6621
338	A	1.84	Highway	23.0	3.084	72.9	522.8	4.4852	1.7661
Raw Pollutant Load Total (lb/yr) =				**354.0**	**56.1**	**1482.3**	**8511.9**	**11.4**	**15.3**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	3.5	0.561	14.8	85.1	0.1138	0.1534
Streetsweeping Removal (lb/yr)	0.5	0.295	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	354.0	56.108	1482.3	8511.9	11.3822	15.3437
BMP Pollutant Load Reduction	4.0	0.856	14.8	85.1	0.1138	0.1534
Estimated Pollutant Load to Water Body	**350.0**	**55.3**	**1467.5**	**8426.7**	**11.3**	**15.2**

Outfall: FDOT-37-10
Receiving Body of Water: Alafia River
County: POLK
State Road: SR 37

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
339	A	3.04	Residential, medium density	17.2	2.715	65.6	311.4	0.1329	0.5148
340	A	1.42	Commercial, low intensity	12.8	1.935	83.2	621.4	0.1945	1.0159
341	A	0.81	Commercial, low intensity	7.3	1.101	47.4	353.8	0.1107	0.5783
342	D	0.07	Commercial, low intensity	0.6	0.097	4.2	31.1	0.0097	0.0508
343	A	13.72	Commercial, low intensity	123.3	18.703	804.6	6008.1	1.8808	9.8219
344	A	0.08	Commercial, low intensity	0.7	0.104	4.5	33.5	0.0105	0.0547
345	D	0.01	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
346	D	0.02	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
347	A	2.17	Highway	27.0	3.627	85.7	614.9	5.2756	2.0773
348	A	0.17	Highway	2.1	0.287	6.8	48.6	0.4171	0.1642
349	D	0.93	Highway	12.4	1.667	39.4	282.6	2.4248	0.9548
Raw Pollutant Load Total (lb/yr) =				**203.5**	**30.2**	**1141.4**	**8305.7**	**10.5**	**15.2**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	2.0	0.302	11.4	83.1	0.1046	0.1523
Streetsweeping Removal (lb/yr)	0.5	0.295	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	203.5	30.238	1141.4	8305.7	10.4566	15.2327
BMP Pollutant Load Reduction	2.5	0.597	11.4	83.1	0.1046	0.1523
Estimated Pollutant Load to Water Body	**201.0**	**29.6**	**1129.9**	**8222.7**	**10.4**	**15.1**

Outfall: FDOT-37-65
Receiving Body of Water: Lake Hunter
County: POLK
State Road: SR 37

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
367	A	3.80	Residential, medium density	21.5	3.395	82.0	389.4	0.1661	0.6437
368	D	2.94	Residential, medium density	25.7	4.053	97.9	464.8	0.1983	0.7684
369	A	24.05	Residential, medium density	136.1	21.492	519.2	2464.7	1.0516	4.0750
370	A	0.52	Residential, medium density	3.0	0.467	11.3	53.6	0.0229	0.0885
371	A	0.13	Commercial, low intensity	1.1	0.173	7.5	55.6	0.0174	0.0910
372	D	9.98	Commercial, low intensity	95.5	14.485	623.1	4653.1	1.4566	7.6069
373	A	2.30	Commercial, low intensity	20.7	3.136	134.9	1007.3	0.3153	1.6467
Raw Pollutant Load Total (lb/yr) =				**303.5**	**47.2**	**1475.9**	**9088.5**	**3.2**	**14.9**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	3.0	0.472	14.8	90.9	0.0323	0.1492
Streetsweeping Removal (lb/yr)	0.4	0.265	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	303.5	47.202	1475.9	9088.5	3.2283	14.9203
BMP Pollutant Load Reduction	3.4	0.737	14.8	90.9	0.0323	0.1492
Estimated Pollutant Load to Water Body	**300.0**	**46.5**	**1461.2**	**8997.6**	**3.2**	**14.8**

Outfall: FDOT-35-170
Receiving Body of Water: Lake Gibson
County: POLK
State Road: SR 35

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
374	A	7.12	Residential, medium density	40.3	6.360	153.6	729.3	0.3112	1.2058
375	B	0.00	Residential, medium density	0.0	0.000	0.0	0.0	0.0000	0.0000
376	A	0.19	Residential, high density	2.3	0.523	11.4	78.3	0.0091	0.0865
377	A	1.10	Residential, high density	13.4	3.011	65.4	450.5	0.0521	0.4980
378	A	4.77	Commercial, low intensity	42.9	6.505	279.8	2089.7	0.6542	3.4163
379	B	1.39	Commercial, low intensity	12.7	1.934	83.2	621.1	0.1944	1.0154
380	A	3.55	Commercial, low intensity	31.9	4.834	208.0	1552.9	0.4861	2.5387
381	A	0.02	Commercial, low intensity	0.2	0.023	1.0	7.4	0.0023	0.0121
382	A	2.79	Highway	34.8	4.672	110.4	792.1	6.7956	2.6758
Raw Pollutant Load Total (lb/yr) =				**178.5**	**27.9**	**912.8**	**6321.4**	**8.5**	**11.4**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.8	0.279	9.1	63.2	0.0851	0.1145
Streetsweeping Removal (lb/yr)	0.2	0.111	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	178.5	27.862	912.8	6321.4	8.5050	11.4486
BMP Pollutant Load Reduction	2.0	0.389	9.1	63.2	0.0851	0.1145
Estimated Pollutant Load to Water Body	**176.5**	**27.5**	**903.7**	**6258.2**	**8.4**	**11.3**

Outfall: FDOT-563-15
Receiving Body of Water: Lake Hunter
County: POLK
State Road: SR 563

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
402	A	8.33	Residential, medium density	47.1	7.445	179.9	853.7	0.3643	1.4115
403	A	10.30	Residential, high density	125.6	28.148	611.7	4211.3	0.4872	4.6552
404	A	1.11	Commercial, low intensity	10.0	1.518	65.3	487.7	0.1527	0.7973
405	A	0.85	Highway	10.6	1.420	33.6	240.7	2.0654	0.8132
Raw Pollutant Load Total (lb/yr) =				**193.3**	**38.5**	**890.4**	**5793.5**	**3.1**	**7.7**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.9	0.385	8.9	57.9	0.0307	0.0768
Streetsweeping Removal (lb/yr)	0.0	0.014	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	193.3	38.531	890.4	5793.5	3.0695	7.6773
BMP Pollutant Load Reduction	2.0	0.399	8.9	57.9	0.0307	0.0768
Estimated Pollutant Load to Water Body	**191.3**	**38.1**	**881.5**	**5735.6**	**3.0**	**7.6**

Outfall: FDOT-563-25
Receiving Body of Water: Lake Wire
County: POLK
State Road: SR 563

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
406	A	0.14	Residential, medium density	0.8	0.128	3.1	14.7	0.0063	0.0244
407	A	0.13	Residential, medium density	0.7	0.113	2.7	13.0	0.0055	0.0215
408	A	3.81	Commercial, low intensity	34.2	5.187	223.1	1666.4	0.5216	2.7241
409	A	0.45	Commercial, low intensity	4.0	0.612	26.3	196.6	0.0615	0.3214
410	A	0.38	Undeveloped/Natural Areas	0.0	0.002	0.0	0.3	0.0000	0.0000
411	A	0.64	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
412	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
413	D	2.23	Undeveloped/Natural Areas	4.1	0.195	5.0	29.7	0.0000	0.0000
414	A	0.68	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
415	A	6.69	Highway	83.3	11.181	264.3	1895.7	16.2632	6.4036
416	D	0.17	Highway	2.2	0.301	7.1	51.0	0.4376	0.1723
417	A	0.61	Highway	7.6	1.022	24.2	173.3	1.4871	0.5856
Raw Pollutant Load Total (lb/yr) =				**137.2**	**18.7**	**556.0**	**4041.6**	**18.8**	**10.3**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.4	0.187	5.6	40.4	0.1878	0.1025
Streetsweeping Removal (lb/yr)	0.5	0.331	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	137.2	18.748	556.0	4041.6	18.7829	10.2528
BMP Pollutant Load Reduction	1.9	0.518	5.6	40.4	0.1878	0.1025
Estimated Pollutant Load to Water Body	**135.3**	**18.2**	**550.5**	**4001.2**	**18.6**	**10.2**

Outfall: FDOT-600-10
Receiving Body of Water: Itchepackesassa Creek
County: POLK
State Road: SR 92

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
418	D	5.40	Industrial, light	52.5	11.382	332.7	2626.5	0.1313	2.4952
419	B	0.62	Industrial, light	5.8	1.261	36.9	291.1	0.0146	0.2765
420	D	0.14	Undeveloped/Natural Areas	0.3	0.012	0.3	1.8	0.0000	0.0000
Raw Pollutant Load Total (lb/yr) =				**58.6**	**12.7**	**369.9**	**2919.4**	**0.1**	**2.8**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	0.6	0.127	3.7	29.2	0.0015	0.0277
Streetsweeping Removal (lb/yr)	0.0	0.007	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	29.0	6.261	146.5	2023.2	0.0505	1.9208

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	58.6	12.655	369.9	2919.4	0.1459	2.7717
BMP Pollutant Load Reduction	29.6	6.394	150.2	2052.3	0.0520	1.9485
Estimated Pollutant Load to Water Body	**29.0**	**6.3**	**219.7**	**867.1**	**0.1**	**0.8**

Outfall: FDOT-544-90
Receiving Body of Water: Lake Blue
County: POLK
State Road: SR 544

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
446	B	0.11	Residential, medium density	0.7	0.117	2.8	13.4	0.0057	0.0221
447	D	0.04	Residential, high density	0.5	0.119	2.6	17.7	0.0021	0.0196
448	D	1.79	Commercial, low intensity	17.1	2.601	111.9	835.5	0.2616	1.3659
449	D	2.10	Commercial, low intensity	20.1	3.052	131.3	980.3	0.3069	1.6025
450	A	0.52	Commercial, low intensity	4.7	0.713	30.7	229.2	0.0717	0.3747
451	B	0.06	Commercial, low intensity	0.5	0.081	3.5	26.2	0.0082	0.0428
452	D	4.77	Commercial, low intensity	45.6	6.923	297.8	2223.9	0.6962	3.6355
453	A	0.42	Commercial, low intensity	3.7	0.566	24.4	181.9	0.0569	0.2973
454	D	1.29	Commercial, low intensity	12.4	1.875	80.6	602.2	0.1885	0.9845
455	A	0.57	Commercial, low intensity	5.1	0.779	33.5	250.3	0.0784	0.4092
456	D	0.26	Commercial, low intensity	2.5	0.382	16.4	122.6	0.0384	0.2004
457	D	3.93	Highway	52.3	7.017	165.9	1189.7	10.2064	4.0188
Raw Pollutant Load Total (lb/yr) =				**165.5**	**24.2**	**901.4**	**6672.9**	**11.9**	**13.0**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.7	0.242	9.0	66.7	0.1192	0.1297
Streetsweeping Removal (lb/yr)	0.6	0.354	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	165.5	24.225	901.4	6672.9	11.9209	12.9734
BMP Pollutant Load Reduction	2.2	0.597	9.0	66.7	0.1192	0.1297
Estimated Pollutant Load to Water Body	**163.3**	**23.6**	**892.3**	**6606.1**	**11.8**	**12.8**

Outfall: FDOT-600-275
Receiving Body of Water: Lake Haines
County: POLK
State Road: SR 92

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
491	A	1.04	Residential, medium density	5.9	0.929	22.4	106.6	0.0455	0.1762
492	A	0.83	Residential, medium density	4.7	0.738	17.8	84.6	0.0361	0.1399
493	A	1.57	Residential, medium density	8.9	1.399	33.8	160.5	0.0685	0.2653
494	A	10.53	Residential, medium density	59.5	9.406	227.2	1078.7	0.4602	1.7834
495	A	6.43	Residential, medium density	36.3	5.742	138.7	658.4	0.2809	1.0886
496	A	0.05	Residential, high density	0.6	0.124	2.7	18.5	0.0021	0.0204
497	A	0.01	Residential, high density	0.1	0.017	0.4	2.5	0.0003	0.0028
498	A	0.93	Industrial, light	8.5	1.847	54.0	426.2	0.0213	0.4049
499	A	0.16	Industrial, light	1.5	0.315	9.2	72.7	0.0036	0.0690
500	A	0.00	Industrial, light	0.0	0.003	0.1	0.7	0.0000	0.0007
501	D	5.70	Industrial, light	55.5	12.021	351.4	2774.1	0.1387	2.6354
502	A	0.26	Industrial, light	2.3	0.507	14.8	117.0	0.0059	0.1112
503	A	5.66	Commercial, low intensity	50.9	7.716	331.9	2478.7	0.7760	4.0522
504	A	2.94	Undeveloped/Natural Areas	0.3	0.014	0.4	2.1	0.0000	0.0000
505	A	1.71	Undeveloped/Natural Areas	0.2	0.008	0.2	1.3	0.0000	0.0000
506	A	2.63	Undeveloped/Natural Areas	0.3	0.013	0.3	1.9	0.0000	0.0000
507	A	2.89	Undeveloped/Natural Areas	0.3	0.014	0.4	2.1	0.0000	0.0000
508	A	10.83	Undeveloped/Natural Areas	1.1	0.052	1.3	7.9	0.0000	0.0000
509	A	1.34	Undeveloped/Natural Areas	0.1	0.006	0.2	1.0	0.0000	0.0000
510	A	0.18	Agriculture, general	0.0	0.007	0.1	0.7	0.0002	0.0003
511	A	14.59	Agriculture, general	3.5	0.547	4.8	54.8	0.0165	0.0266
512	A	0.04	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
513	A	0.14	Highway	1.8	0.239	5.7	40.6	0.3483	0.1372
514	A	2.27	Highway	28.3	3.801	89.9	644.5	5.5293	2.1772
515	A	0.08	Highway	1.1	0.142	3.3	24.0	0.2061	0.0811
516	A	0.52	Highway	6.4	0.862	20.4	146.1	1.2536	0.4936
517	A	0.20	Highway	2.5	0.341	8.1	57.8	0.4955	0.1951
518	A	2.47	Highway	30.8	4.133	97.7	700.8	6.0119	2.3672
519	A	0.67	Highway	8.3	1.119	26.4	189.7	1.6273	0.6408

Outfall: FDOT-600-275
Receiving Body of Water: Lake Haines
County: POLK
State Road: SR 92

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
520	D	0.24	Highway	3.2	0.432	10.2	73.3	0.6290	0.2477
521	A	0.11	Highway	1.4	0.184	4.4	31.3	0.2683	0.1057
522	A	0.26	Highway	3.3	0.440	10.4	74.5	0.6393	0.2517
Raw Pollutant Load Total (lb/yr) =				**327.6**	**53.1**	**1488.5**	**10033.5**	**18.9**	**17.5**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	3.3	0.531	14.9	100.3	0.1886	0.1747
Streetsweeping Removal (lb/yr)	1.6	1.008	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	327.6	53.117	1488.5	10033.5	18.8645	17.4741
BMP Pollutant Load Reduction	4.9	1.540	14.9	100.3	0.1886	0.1747
Estimated Pollutant Load to Water Body	**322.7**	**51.6**	**1473.6**	**9933.2**	**18.7**	**17.3**

Outfall: FDOT-60-25
Receiving Body of Water: Phosphate Pit
County: POLK
State Road: SR 60

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
569	A	8.76	Residential, medium density	49.5	7.825	189.0	897.4	0.3829	1.4837
570	A	0.41	Residential, medium density	2.3	0.369	8.9	42.4	0.0181	0.0700
571	A	1.58	Commercial, low intensity	14.2	2.157	92.8	692.8	0.2169	1.1326
572	A	0.32	Commercial, low intensity	2.9	0.440	18.9	141.3	0.0442	0.2310
573	A	0.91	Commercial, low intensity	8.1	1.234	53.1	396.3	0.1241	0.6479
574	A	0.26	Highway	3.2	0.432	10.2	73.2	0.6283	0.2474
575	A	2.51	Highway	31.3	4.196	99.2	711.3	6.1026	2.4029
576	A	0.16	Highway	2.0	0.266	6.3	45.1	0.3871	0.1524
Raw Pollutant Load Total (lb/yr) =				**113.6**	**16.9**	**478.4**	**2999.9**	**7.9**	**6.4**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.1	0.169	4.8	30.0	0.0790	0.0637
Streetsweeping Removal (lb/yr)	0.3	0.172	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	113.6	16.919	478.4	2999.9	7.9041	6.3679
BMP Pollutant Load Reduction	1.4	0.341	4.8	30.0	0.0790	0.0637
Estimated Pollutant Load to Water Body	**112.2**	**16.6**	**473.6**	**2969.9**	**7.8**	**6.3**

Outfall: FDOT-546-30
Receiving Body of Water: Lake Parker
County: POLK
State Road: SR 92

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
577	A	0.01	Residential, medium density	0.0	0.005	0.1	0.5	0.0002	0.0009
578	A	37.52	Residential, medium density	212.2	33.525	809.9	3844.6	1.6404	6.3565
579	D	0.07	Residential, medium density	0.6	0.103	2.5	11.8	0.0050	0.0194
580	A	6.86	Residential, medium density	38.8	6.133	148.2	703.4	0.3001	1.1629
581	A	1.51	Commercial, low intensity	13.5	2.053	88.3	659.4	0.2064	1.0779
582	D	0.85	Commercial, low intensity	8.2	1.239	53.3	398.0	0.1246	0.6507
583	A	6.41	Commercial, low intensity	57.6	8.742	376.0	2808.1	0.8790	4.5906
584	D	15.02	Commercial, low intensity	143.7	21.805	938.0	7004.3	2.1927	11.4506
585	A	0.55	Commercial, low intensity	4.9	0.746	32.1	239.6	0.0750	0.3916
586	D	10.81	Commercial, low intensity	103.4	15.692	675.0	5040.6	1.5779	8.2403
587	A	3.91	Highway	48.8	6.544	154.7	1109.6	9.5191	3.7481
588	D	2.39	Highway	31.8	4.270	100.9	723.9	6.2107	2.4455
Raw Pollutant Load Total (lb/yr) =				**663.8**	**100.9**	**3379.0**	**22543.7**	**22.7**	**40.1**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	6.6	1.009	33.8	225.4	0.2273	0.4013
Streetsweeping Removal (lb/yr)	1.0	0.651	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	663.8	100.855	3379.0	22543.7	22.7311	40.1349
BMP Pollutant Load Reduction	7.7	1.659	33.8	225.4	0.2273	0.4013
Estimated Pollutant Load to Water Body	**656.1**	**99.2**	**3345.2**	**22318.3**	**22.5**	**39.7**

Outfall: FDOT-546-75
Receiving Body of Water: Lake Parker
County: POLK
State Road: SR 92

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
589	A	0.34	Residential, medium density	1.9	0.301	7.3	34.5	0.0147	0.0570
590	A	0.01	Residential, medium density	0.1	0.011	0.3	1.2	0.0005	0.0020
591	A	17.07	Commercial, low intensity	153.4	23.272	1001.1	7475.5	2.3402	12.2209
592	D	1.45	Commercial, low intensity	13.9	2.103	90.5	675.6	0.2115	1.1045
593	D	1.45	Commercial, low intensity	13.9	2.104	90.5	675.9	0.2116	1.1050
594	A	0.02	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
595	A	2.36	Highway	29.4	3.950	93.4	669.7	5.7452	2.2622
596	D	0.26	Highway	3.5	0.463	10.9	78.5	0.6735	0.2652
597	D	0.03	Highway	0.4	0.059	1.4	9.9	0.0852	0.0335
Raw Pollutant Load Total (lb/yr) =				**216.5**	**32.3**	**1295.3**	**9620.9**	**9.3**	**17.1**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	2.2	0.323	13.0	96.2	0.0928	0.1705
Streetsweeping Removal (lb/yr)	0.0	0.011	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	216.5	32.262	1295.3	9620.9	9.2824	17.0503
BMP Pollutant Load Reduction	2.2	0.333	13.0	96.2	0.0928	0.1705
Estimated Pollutant Load to Water Body	**214.3**	**31.9**	**1282.3**	**9524.7**	**9.2**	**16.9**

Outfall: FDOT-600-30
Receiving Body of Water: Lake Parker
County: POLK
State Road: SR 92

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
598	D	3.06	Industrial, light	29.8	6.463	188.9	1491.4	0.0746	1.4168
599	D	0.37	Commercial, low intensity	3.6	0.539	23.2	173.2	0.0542	0.2832
600	A	0.02	Commercial, low intensity	0.2	0.034	1.4	10.8	0.0034	0.0177
601	A	0.80	Commercial, low intensity	7.2	1.097	47.2	352.3	0.1103	0.5759
602	D	2.08	Commercial, low intensity	19.9	3.023	130.0	971.0	0.3040	1.5874
603	A	0.56	Undeveloped/Natural Areas	0.1	0.003	0.1	0.4	0.0000	0.0000
604	D	0.03	Undeveloped/Natural Areas	0.0	0.002	0.1	0.3	0.0000	0.0000
605	A	0.01	Highway	0.2	0.024	0.6	4.1	0.0354	0.0140
606	A	0.15	Highway	1.9	0.248	5.9	42.1	0.3611	0.1422
607	D	9.94	Highway	132.4	17.766	419.9	3012.2	25.8422	10.1754
Raw Pollutant Load Total (lb/yr) =				**195.3**	**29.2**	**817.3**	**6057.9**	**26.8**	**14.2**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	2.0	0.292	8.2	60.6	0.2679	0.1421
Streetsweeping Removal (lb/yr)	1.6	1.044	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	195.3	29.199	817.3	6057.9	26.7852	14.2125
BMP Pollutant Load Reduction	3.6	1.336	8.2	60.6	0.2679	0.1421
Estimated Pollutant Load to Water Body	**191.8**	**27.9**	**809.1**	**5997.3**	**26.5**	**14.1**

Outfall: FDOT-600-210
Receiving Body of Water: Lake Lena
County: POLK
State Road: SR 92

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
646	D	0.10	Residential, medium density	0.9	0.141	3.4	16.1	0.0069	0.0267
647	A	0.11	Residential, medium density	0.6	0.096	2.3	11.0	0.0047	0.0182
648	D	0.24	Residential, high density	3.5	0.796	17.3	119.0	0.0138	0.1316
649	A	0.21	Residential, high density	2.5	0.561	12.2	83.9	0.0097	0.0927
650	D	2.07	Industrial, light	20.1	4.364	127.5	1007.0	0.0503	0.9566
651	D	1.12	Highway	14.9	2.002	47.3	339.4	2.9118	1.1465
Raw Pollutant Load Total (lb/yr) =				**42.6**	**8.0**	**210.1**	**1576.5**	**3.0**	**2.4**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	0.4	0.080	2.1	15.8	0.0300	0.0237
Streetsweeping Removal (lb/yr)	0.0	0.021	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	42.6	7.959	210.1	1576.5	2.9972	2.3724
BMP Pollutant Load Reduction	0.5	0.101	2.1	15.8	0.0300	0.0237
Estimated Pollutant Load to Water Body	**42.2**	**7.9**	**208.0**	**1560.7**	**3.0**	**2.3**

Outfall: FDOT-655-10
Receiving Body of Water: Lake Lena Run
County: POLK
State Road: SR 655

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
679	D	62.50	Industrial, light	608.3	131.804	3852.7	30416.2	1.5208	28.8954
680	A	0.01	Industrial, light	0.1	0.027	0.8	6.2	0.0003	0.0059
681	A	1.43	Industrial, light	13.1	2.833	82.8	653.9	0.0327	0.6212
682	A	0.39	Industrial, light	3.6	0.781	22.8	180.2	0.0090	0.1712
683	D	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
684	A	0.04	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
685	A	0.07	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
686	A	0.03	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
687	A	4.57	Commercial, low intensity	41.0	6.223	267.7	1999.2	0.6258	3.2682
688	A	4.49	Commercial, low intensity	40.3	6.117	263.1	1964.9	0.6151	3.2121
689	A	0.62	Commercial, low intensity	5.6	0.845	36.3	271.3	0.0849	0.4435
690	A	0.00	Highway	0.1	0.007	0.2	1.3	0.0107	0.0042
Raw Pollutant Load Total (lb/yr) =				**712.1**	**148.6**	**4526.5**	**35493.2**	**2.9**	**36.6**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	7.1	1.486	45.3	354.9	0.0290	0.3662
Streetsweeping Removal (lb/yr)	0.5	0.342	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	352.2	73.404	1792.5	24596.8	1.0046	25.3789

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	712.1	148.638	4526.5	35493.2	2.8994	36.6217
BMP Pollutant Load Reduction	359.9	75.233	1837.8	24951.7	1.0336	25.7451
Estimated Pollutant Load to Water Body	**352.2**	**73.4**	**2688.7**	**10541.5**	**1.9**	**10.9**

Outfall: FDOT-555-25
Receiving Body of Water: Lake McLeod
County: POLK
State Road: SR 17

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
691	A	1.55	Residential, medium density	8.7	1.381	33.4	158.4	0.0676	0.2619
692	A	9.55	Residential, medium density	54.0	8.529	206.1	978.1	0.4173	1.6172
693	A	0.91	Residential, medium density	5.1	0.810	19.6	92.9	0.0396	0.1536
694	A	11.65	Commercial, low intensity	104.6	15.873	682.8	5098.9	1.5962	8.3356
695	A	0.58	Undeveloped/Natural Areas	0.1	0.003	0.1	0.4	0.0000	0.0000
696	A	1.90	Undeveloped/Natural Areas	0.2	0.009	0.2	1.4	0.0000	0.0000
697	A	0.01	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
698	A	1.31	Undeveloped/Natural Areas	0.1	0.006	0.2	1.0	0.0000	0.0000
699	A	3.52	Highway	43.9	5.887	139.1	998.1	8.5628	3.3716
700	A	0.14	Highway	1.7	0.232	5.5	39.3	0.3375	0.1329
Raw Pollutant Load Total (lb/yr) =				**218.5**	**32.7**	**1086.9**	**7368.6**	**11.0**	**13.9**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	2.2	0.327	10.9	73.7	0.1102	0.1387
Streetsweeping Removal (lb/yr)	0.4	0.258	0	0	0	0
Dry Retention Removal Efficiency (%)	60%	60%	60%	60%	60%	60%
Dry Retention Total Removal (lb/yr)	129.5	19.287	645.6	4376.9	6.5465	8.2404

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	218.5	32.731	1086.9	7368.6	11.0211	13.8728
BMP Pollutant Load Reduction	132.1	19.873	656.5	4450.6	6.6567	8.3792
Estimated Pollutant Load to Water Body	**86.4**	**12.9**	**430.4**	**2918.0**	**4.4**	**5.5**

Outfall: FDOT-35-65
Receiving Body of Water: McCullough Creek
County: POLK
State Road: SR 17

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
701	A	0.02	Residential, low density	0.0	0.003	0.1	0.3	0.0001	0.0004
702	A	5.19	Residential, low density	7.2	0.849	20.9	102.3	0.0356	0.1379
703	A	0.02	Residential, medium density	0.1	0.016	0.4	1.8	0.0008	0.0030
704	A	0.06	Residential, medium density	0.3	0.051	1.2	5.8	0.0025	0.0096
705	A	0.22	Residential, medium density	1.3	0.199	4.8	22.8	0.0097	0.0377
706	A	0.00	Residential, medium density	0.0	0.004	0.1	0.5	0.0002	0.0008
707	A	2.06	Residential, medium density	11.7	1.840	44.5	211.1	0.0900	0.3489
708	A	0.20	Commercial, low intensity	1.8	0.267	11.5	85.8	0.0269	0.1403
709	A	0.27	Commercial, low intensity	2.4	0.367	15.8	117.8	0.0369	0.1926
710	A	1.40	Commercial, low intensity	12.6	1.912	82.3	614.2	0.1923	1.0041
711	A	0.07	Commercial, low intensity	0.7	0.101	4.4	32.6	0.0102	0.0533
712	A	1.16	Commercial, low intensity	10.5	1.587	68.3	509.8	0.1596	0.8333
713	A	0.33	Mining/Extractive	2.9	0.373	188.9	149.2	0.0075	0.1417
714	A	2.42	Agriculture, general	0.6	0.091	0.8	9.1	0.0027	0.0044
715	A	6.74	Agriculture, general	1.6	0.253	2.2	25.3	0.0076	0.0123
716	A	4.82	Highway	60.1	8.056	190.4	1365.9	11.7185	4.6142
Raw Pollutant Load Total (lb/yr) =				**113.7**	**16.0**	**636.5**	**3254.2**	**12.3**	**7.5**

Outfall: FDOT-35-65
Receiving Body of Water: McCullough Creek
County: POLK
State Road: SR 17

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	1.1	0.160	6.4	32.5	0.1230	0.0753
Streetsweeping Removal (lb/yr)	0.6	0.372	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	56.0	7.718	252.0	2255.2	4.2623	5.2214

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	113.7	15.969	636.5	3254.2	12.3010	7.5345
BMP Pollutant Load Reduction	57.7	8.250	258.4	2287.7	4.3853	5.2968
Estimated Pollutant Load to Water Body	**56.0**	**7.7**	**378.1**	**966.5**	**7.9**	**2.2**

Outfall: FDOT-555-30
Receiving Body of Water: Lake McLeod
County: POLK
State Road: SR 17

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
717	A	4.73	Residential, medium density	26.8	4.229	102.2	485.0	0.2069	0.8018
718	A	0.90	Residential, medium density	5.1	0.803	19.4	92.0	0.0393	0.1522
719	A	1.35	Residential, medium density	7.7	1.209	29.2	138.7	0.0592	0.2293
720	B	0.23	Residential, medium density	1.5	0.241	5.8	27.7	0.0118	0.0458
721	A	0.14	Residential, medium density	0.8	0.122	2.9	14.0	0.0060	0.0231
722	A	2.53	Residential, medium density	14.3	2.258	54.5	258.9	0.1105	0.4281
723	B	0.18	Residential, medium density	1.2	0.184	4.5	21.1	0.0090	0.0349
724	A	0.19	Commercial, low intensity	1.7	0.254	10.9	81.5	0.0255	0.1332
725	A	0.07	Commercial, low intensity	0.6	0.095	4.1	30.6	0.0096	0.0500
726	A	0.59	Commercial, low intensity	5.3	0.800	34.4	256.9	0.0804	0.4200
727	A	26.63	Commercial, low intensity	239.3	36.297	1561.4	11659.5	3.6499	19.0608
728	A	0.45	Commercial, low intensity	4.1	0.618	26.6	198.6	0.0622	0.3247
729	A	0.40	Undeveloped/Natural Areas	0.0	0.002	0.0	0.3	0.0000	0.0000
730	B	0.16	Undeveloped/Natural Areas	0.1	0.004	0.1	0.7	0.0000	0.0000
731	A	0.38	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
732	B	0.30	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
733	A	0.14	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
734	A	1.34	Highway	16.7	2.245	53.1	380.7	3.2659	1.2859
735	A	0.08	Highway	1.0	0.133	3.1	22.5	0.1934	0.0761
736	A	0.48	Highway	6.0	0.806	19.0	136.6	1.1721	0.4615
Raw Pollutant Load Total (lb/yr) =				**332.1**	**50.3**	**1931.3**	**13805.4**	**8.9**	**23.5**

Outfall: FDOT-555-30
Receiving Body of Water: Lake McLeod
County: POLK
State Road: SR 17

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	3.3	0.503	19.3	138.1	0.0890	0.2353
Streetsweeping Removal (lb/yr)	1.4	0.884	0	0	0	0
Dry Retention Removal Efficiency (%)	60%	60%	60%	60%	60%	60%
Dry Retention Total Removal (lb/yr)	196.4	29.348	1147.2	8200.4	5.2876	13.9754

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	332.1	50.300	1931.3	13805.4	8.9016	23.5276
BMP Pollutant Load Reduction	201.1	30.735	1166.5	8338.4	5.3766	14.2106
Estimated Pollutant Load to Water Body	**130.9**	**19.6**	**764.8**	**5466.9**	**3.5**	**9.3**

Outfall: FDOT-35-100
Receiving Body of Water: Peace River
County: POLK
State Road: SR 98

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
737	A	0.74	Residential, low density	1.0	0.121	3.0	14.6	0.0051	0.0197
738	A	23.24	Residential, medium density	131.5	20.769	501.8	2381.8	1.0162	3.9379
739	D	6.55	Residential, medium density	57.1	9.012	217.7	1033.5	0.4410	1.7088
740	A	12.26	Residential, medium density	69.4	10.957	264.7	1256.6	0.5361	2.0776
741	A	5.35	Residential, medium density	30.3	4.782	115.5	548.4	0.2340	0.9066
742	A	4.13	Residential, medium density	23.3	3.688	89.1	422.9	0.1804	0.6992
743	A	6.99	Residential, medium density	39.5	6.246	150.9	716.2	0.3056	1.1842
744	A	1.30	Mining/Extractive	11.7	1.487	753.2	594.7	0.0297	0.5649
745	A	1.99	Mining/Extractive	17.9	2.276	1153.2	910.4	0.0455	0.8649
746	A	0.59	Mining/Extractive	5.3	0.676	342.6	270.5	0.0135	0.2570
747	A	1.59	Mining/Extractive	14.3	1.816	920.0	726.3	0.0363	0.6900
748	A	5.18	Commercial, low intensity	46.6	7.065	303.9	2269.6	0.7105	3.7103
749	D	1.26	Commercial, low intensity	12.1	1.830	78.7	587.8	0.1840	0.9610
750	A	1.62	Commercial, low intensity	14.6	2.208	95.0	709.4	0.2221	1.1597
751	D	0.36	Commercial, low intensity	3.4	0.522	22.4	167.5	0.0524	0.2739
752	A	0.44	Commercial, low intensity	3.9	0.595	25.6	191.3	0.0599	0.3127
753	A	0.33	Industrial, light	3.0	0.646	18.9	149.1	0.0075	0.1417
754	D	17.47	Industrial, light	170.0	36.833	1076.6	8499.8	0.4250	8.0749
755	D	3.02	Commercial, low intensity	28.9	4.380	188.4	1407.0	0.4405	2.3001
756	A	2.44	Commercial, low intensity	21.9	3.322	142.9	1067.3	0.3341	1.7448
757	A	0.63	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
758	A	1.82	Highway	22.8	3.052	72.1	517.4	4.4392	1.7479
759	A	5.46	Commercial, low intensity	49.1	7.446	320.3	2391.9	0.7488	3.9103
760	D	0.86	Commercial, low intensity	8.3	1.253	53.9	402.6	0.1260	0.6582
Raw Pollutant Load Total (lb/yr) =				**785.7**	**131.0**	**6910.8**	**27237.3**	**10.6**	**37.9**

Outfall: FDOT-35-100
Receiving Body of Water: Peace River
County: POLK
State Road: SR 98

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	7.9	1.310	69.1	272.4	0.1059	0.3791
Streetsweeping Removal (lb/yr)	3.7	2.395	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	387.1	63.641	2736.7	18875.4	3.6706	26.2690

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	785.7	130.987	6910.8	27237.3	10.5935	37.9062
BMP Pollutant Load Reduction	398.7	67.346	2805.8	19147.8	3.7766	26.6480
Estimated Pollutant Load to Water Body	**387.1**	**63.6**	**4105.0**	**8089.5**	**6.8**	**11.3**

Outfall: FDOT-37-60
Receiving Body of Water: Lake Hollingsworth
County: POLK
State Road: SR 37

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
761	A	18.55	Residential, medium density	104.9	16.574	400.4	1900.6	0.8109	3.1424
762	D	1.32	Residential, medium density	11.5	1.817	43.9	208.4	0.0889	0.3445
763	A	18.14	Residential, medium density	102.6	16.209	391.6	1858.8	0.7931	3.0732
764	D	17.05	Commercial, low intensity	163.2	24.754	1064.8	7951.8	2.4892	12.9994
765	A	1.05	Commercial, low intensity	9.4	1.428	61.4	458.7	0.1436	0.7498
766	A	3.04	Commercial, low intensity	27.3	4.147	178.4	1332.0	0.4170	2.1776
Raw Pollutant Load Total (lb/yr) =				**419.0**	**64.9**	**2140.5**	**13710.3**	**4.7**	**22.5**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	4.2	0.649	21.4	137.1	0.0474	0.2249
Streetsweeping Removal (lb/yr)	1.7	1.079	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	419.0	64.928	2140.5	13710.3	4.7427	22.4869
BMP Pollutant Load Reduction	5.9	1.729	21.4	137.1	0.0474	0.2249
Estimated Pollutant Load to Water Body	**413.1**	**63.2**	**2119.1**	**13573.2**	**4.7**	**22.3**

Outfall: FDOT-60-130
Receiving Body of Water: Peace Creek
County: POLK
State Road: SR 60

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
810	A	1.58	Residential, low density	2.2	0.259	6.4	31.2	0.0108	0.0420
811	A	2.31	Residential, low density	3.2	0.378	9.3	45.5	0.0158	0.0614
812	A	0.28	Residential, low density	0.4	0.046	1.1	5.5	0.0019	0.0074
813	A	6.45	Residential, low density	8.9	1.057	26.0	127.2	0.0443	0.1715
814	A	1.65	Residential, low density	2.3	0.271	6.7	32.6	0.0113	0.0439
815	A	3.94	Residential, low density	5.4	0.646	15.9	77.7	0.0270	0.1048
816	A	0.42	Commercial, low intensity	3.8	0.571	24.6	183.5	0.0574	0.3000
817	A	0.30	Commercial, low intensity	2.7	0.407	17.5	130.8	0.0409	0.2138
818	A	1.67	Highway	20.8	2.797	66.1	474.2	4.0682	1.6018
819	A	0.10	Highway	1.2	0.161	3.8	27.3	0.2344	0.0923
820	A	2.25	Highway	28.0	3.756	88.8	636.9	5.4637	2.1513
821	A	0.03	Highway	0.4	0.053	1.2	8.9	0.0767	0.0302
822	A	1.61	Highway	20.1	2.695	63.7	457.0	3.9204	1.5437
Raw Pollutant Load Total (lb/yr) =				**99.4**	**13.1**	**331.1**	**2238.3**	**14.0**	**6.4**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.0	0.131	3.3	22.4	0.1397	0.0636
Streetsweeping Removal (lb/yr)	0.0	0.001	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	49.2	6.482	131.1	1551.2	4.8416	4.4103

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	99.4	13.096	331.1	2238.3	13.9730	6.3641
BMP Pollutant Load Reduction	50.2	6.614	134.4	1573.6	4.9814	4.4740
Estimated Pollutant Load to Water Body	**49.2**	**6.5**	**196.7**	**664.8**	**9.0**	**1.9**

Outfall: FDOT-555-35
Receiving Body of Water: Peace Creek
County: POLK
State Road: SR 17

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
823	A	0.00	Residential, low density	0.0	0.001	0.0	0.1	0.0000	0.0001
824	A	0.90	Residential, low density	1.2	0.147	3.6	17.7	0.0061	0.0238
825	A	0.03	Commercial, low intensity	0.2	0.038	1.6	12.1	0.0038	0.0198
826	A	0.01	Commercial, low intensity	0.1	0.010	0.4	3.2	0.0010	0.0052
827	A	0.07	Commercial, low intensity	0.6	0.089	3.8	28.7	0.0090	0.0470
828	A	2.45	Commercial, low intensity	22.0	3.336	143.5	1071.7	0.3355	1.7521
829	A	0.87	Commercial, low intensity	7.8	1.188	51.1	381.7	0.1195	0.6240
830	A	0.88	Commercial, low intensity	7.9	1.193	51.3	383.3	0.1200	0.6266
831	A	0.06	Commercial, low intensity	0.5	0.083	3.6	26.7	0.0083	0.0436
832	B	0.00	Commercial, low intensity	0.0	0.000	0.0	0.1	0.0000	0.0001
833	A	0.56	Commercial, low intensity	5.0	0.765	32.9	245.7	0.0769	0.4017
834	B	0.05	Commercial, low intensity	0.4	0.065	2.8	21.0	0.0066	0.0344
835	A	0.09	Undeveloped/Natural Areas	0.0	0.000	0.0	0.1	0.0000	0.0000
836	A	0.01	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
837	A	0.22	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
838	A	4.88	Undeveloped/Natural Areas	0.5	0.023	0.6	3.6	0.0000	0.0000
839	A	0.01	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
840	A	0.31	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
841	A	1.47	Undeveloped/Natural Areas	0.1	0.007	0.2	1.1	0.0000	0.0000
842	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
843	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
844	A	0.49	Undeveloped/Natural Areas	0.0	0.002	0.1	0.4	0.0000	0.0000
845	A	3.58	Highway	44.7	5.990	141.6	1015.6	8.7131	3.4308
846	A	1.16	Highway	14.4	1.933	45.7	327.8	2.8121	1.1073
847	B	1.12	Highway	14.2	1.910	45.1	323.8	2.7776	1.0937
848	A	1.95	Highway	24.4	3.269	77.3	554.2	4.7548	1.8722
849	A	0.99	Highway	12.3	1.648	39.0	279.5	2.3976	0.9441
850	A	3.43	Highway	42.8	5.743	135.7	973.7	8.3535	3.2892
851	A	1.02	Highway	12.7	1.705	40.3	289.1	2.4801	0.9766
Raw Pollutant Load Total (lb/yr) =				**212.1**	**29.1**	**820.4**	**5961.1**	**33.0**	**16.3**

Outfall: FDOT-555-35
Receiving Body of Water: Peace Creek
County: POLK
State Road: SR 17

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	2.1	0.291	8.2	59.6	0.3298	0.1629
Streetsweeping Removal (lb/yr)	4.0	2.542	0	0	0	0
Dry Retention Removal Efficiency (%)	60%	60%	60%	60%	60%	60%
Dry Retention Total Removal (lb/yr)	123.6	15.790	487.3	3540.9	19.5875	9.6774

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	212.1	29.150	820.4	5961.1	32.9755	16.2920
BMP Pollutant Load Reduction	129.7	18.623	495.5	3600.5	19.9172	9.8403
Estimated Pollutant Load to Water Body	**82.4**	**10.5**	**324.9**	**2360.6**	**13.1**	**6.5**

Outfall: FDOT-555-40
Receiving Body of Water: Lake Lulu
County: POLK
State Road: SR 17

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
852	D	0.60	Commercial, low intensity	5.7	0.871	37.5	279.7	0.0876	0.4573
853	A	0.08	Commercial, low intensity	0.7	0.103	4.4	33.2	0.0104	0.0542
854	A	1.41	Commercial, low intensity	12.7	1.924	82.8	618.1	0.1935	1.0104
855	D	1.02	Industrial, light	10.0	2.158	63.1	497.9	0.0249	0.4730
856	A	0.17	Industrial, light	1.6	0.337	9.8	77.7	0.0039	0.0738
857	A	0.05	Commercial, low intensity	0.5	0.074	3.2	23.7	0.0074	0.0388
858	D	10.56	Undeveloped/Natural Areas	19.3	0.923	23.5	141.0	0.0000	0.0000
859	A	4.33	Undeveloped/Natural Areas	0.4	0.021	0.5	3.2	0.0000	0.0000
860	A	0.76	Undeveloped/Natural Areas	0.1	0.004	0.1	0.6	0.0000	0.0000
861	A	1.00	Undeveloped/Natural Areas	0.1	0.005	0.1	0.7	0.0000	0.0000
862	D	3.51	Highway	46.7	6.268	148.2	1062.7	9.1170	3.5898
863	A	2.62	Highway	32.7	4.384	103.6	743.3	6.3765	2.5107
864	A	0.21	Highway	2.6	0.346	8.2	58.6	0.5026	0.1979
865	A	0.75	Undeveloped/Natural Areas	0.1	0.004	0.1	0.5	0.0000	0.0000
866	D	0.04	Commercial, low intensity	0.4	0.059	2.5	19.0	0.0059	0.0310
Raw Pollutant Load Total (lb/yr) =				**133.5**	**17.5**	**487.6**	**3559.8**	**16.3**	**8.4**

Outfall: FDOT-555-40
Receiving Body of Water: Lake Lulu
County: POLK
State Road: SR 17

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	1.3	0.175	4.9	35.6	0.1633	0.0844
Streetsweeping Removal (lb/yr)	0.7	0.457	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	26.3	10.108	241.3	2995.6	9.6998	7.0998

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	133.5	17.478	487.6	3559.8	16.3297	8.4370
BMP Pollutant Load Reduction	28.3	10.740	246.2	3031.2	9.8631	7.1841
Estimated Pollutant Load to Water Body	**105.1**	**6.7**	**241.3**	**528.6**	**6.5**	**1.3**

Outfall: FDOT-555-55
Receiving Body of Water: Spring Lake
County: POLK
State Road: SR 17

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
867	A	2.24	Residential, medium density	12.7	2.004	48.4	229.8	0.0981	0.3800
868	D	0.84	Residential, medium density	7.3	1.161	28.0	133.1	0.0568	0.2201
869	A	1.79	Residential, high density	21.8	4.888	106.2	731.3	0.0846	0.8084
870	A	0.57	Commercial, low intensity	5.2	0.783	33.7	251.4	0.0787	0.4111
871	D	1.42	Commercial, low intensity	13.6	2.060	88.6	661.8	0.2072	1.0819
872	A	15.70	Commercial, low intensity	141.1	21.401	920.6	6874.6	2.1520	11.2384
873	A	0.03	Commercial, low intensity	0.3	0.041	1.8	13.1	0.0041	0.0215
874	D	0.64	Commercial, low intensity	6.1	0.924	39.7	296.8	0.0929	0.4852
875	A	0.29	Commercial, low intensity	2.6	0.401	17.3	128.8	0.0403	0.2106
876	D	0.71	Commercial, low intensity	6.8	1.032	44.4	331.6	0.1038	0.5421
877	A	0.31	Commercial, low intensity	2.8	0.428	18.4	137.4	0.0430	0.2247
878	D	0.35	Commercial, low intensity	3.3	0.508	21.8	163.1	0.0511	0.2667
879	A	0.00	Commercial, low intensity	0.0	0.004	0.2	1.3	0.0004	0.0022
880	D	3.08	Commercial, low intensity	29.4	4.465	192.1	1434.3	0.4490	2.3447
881	A	1.24	Residential, low density	1.7	0.203	5.0	24.4	0.0085	0.0329
882	D	0.06	Residential, low density	0.3	0.037	0.9	4.4	0.0015	0.0059
Raw Pollutant Load Total (lb/yr) =				**255.1**	**40.3**	**1567.1**	**11417.4**	**3.5**	**18.3**

Outfall: FDOT-555-55
Receiving Body of Water: Spring Lake
County: POLK
State Road: SR 17

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	2.6	0.403	15.7	114.2	0.0347	0.1828
Streetsweeping Removal (lb/yr)	1.3	0.851	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	255.1	40.339	1567.1	11417.4	3.4720	18.2762
BMP Pollutant Load Reduction	3.9	1.254	15.7	114.2	0.0347	0.1828
Estimated Pollutant Load to Water Body	**251.2**	**39.1**	**1551.4**	**11303.2**	**3.4**	**18.1**

Outfall: OF187
Receiving Body of Water: Lake Ida
County: POLK
State Road: SR 17

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
883	D	0.20	Residential, medium density	1.8	0.276	6.7	31.7	0.0135	0.0524
884	A	13.88	Residential, medium density	78.5	12.404	299.7	1422.4	0.6069	2.3518
885	A	4.03	Residential, medium density	22.8	3.597	86.9	412.6	0.1760	0.6821
886	D	0.02	Residential, medium density	0.2	0.031	0.7	3.5	0.0015	0.0058
887	D	1.59	Commercial, low intensity	15.2	2.311	99.4	742.5	0.2324	1.2137
888	A	0.19	Commercial, low intensity	1.7	0.253	10.9	81.4	0.0255	0.1331
889	A	12.53	Commercial, low intensity	112.6	17.081	734.8	5487.0	1.7177	8.9700
890	A	1.07	Commercial, low intensity	9.6	1.454	62.6	467.1	0.1462	0.7636
891	D	0.09	Commercial, low intensity	0.9	0.137	5.9	44.1	0.0138	0.0720
892	A	4.02	Undeveloped/Natural Areas	0.4	0.019	0.5	2.9	0.0000	0.0000
893	D	12.15	Commercial, low intensity	116.3	17.637	758.7	5665.5	1.7735	9.2618
894	A	1.86	Commercial, low intensity	16.7	2.540	109.3	815.9	0.2554	1.3339
Raw Pollutant Load Total (lb/yr) =				**376.6**	**57.7**	**2176.0**	**15176.6**	**5.0**	**24.8**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	3.8	0.577	21.8	151.8	0.0496	0.2484
Streetsweeping Removal (lb/yr)	1.3	0.859	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	376.6	57.742	2176.0	15176.6	4.9625	24.8404
BMP Pollutant Load Reduction	5.1	1.436	21.8	151.8	0.0496	0.2484
Estimated Pollutant Load to Water Body	**371.5**	**56.3**	**2154.2**	**15024.8**	**4.9**	**24.6**

Outfall: FDOT-555-85
Receiving Body of Water: Lake Conine
County: POLK
State Road: SR 17

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
895	D	0.15	Residential, medium density	1.3	0.210	5.1	24.1	0.0103	0.0398
896	A	0.26	Residential, medium density	1.5	0.233	5.6	26.8	0.0114	0.0442
897	D	2.07	Commercial, low intensity	19.8	3.007	129.3	965.9	0.3024	1.5790
898	D	19.10	Commercial, low intensity	182.8	27.726	1192.7	8906.3	2.7880	14.5598
899	A	2.87	Commercial, low intensity	25.8	3.913	168.3	1257.1	0.3935	2.0550
900	A	1.59	Commercial, low intensity	14.3	2.171	93.4	697.5	0.2184	1.1403
901	A	1.60	Commercial, low intensity	14.3	2.177	93.6	699.2	0.2189	1.1431
902	A	0.34	Commercial, low intensity	3.1	0.463	19.9	148.8	0.0466	0.2433
903	A	0.36	Commercial, low intensity	3.3	0.495	21.3	158.9	0.0497	0.2598
904	D	8.30	Commercial, low intensity	79.5	12.054	518.5	3872.1	1.2121	6.3301
905	A	0.01	Commercial, low intensity	0.1	0.010	0.4	3.2	0.0010	0.0053
Raw Pollutant Load Total (lb/yr) =				**345.7**	**52.5**	**2248.3**	**16759.9**	**5.3**	**27.4**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	3.5	0.525	22.5	167.6	0.0525	0.2740
Streetsweeping Removal (lb/yr)	1.2	0.770	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	345.7	52.459	2248.3	16759.9	5.2523	27.3997
BMP Pollutant Load Reduction	4.7	1.295	22.5	167.6	0.0525	0.2740
Estimated Pollutant Load to Water Body	**341.0**	**51.2**	**2225.8**	**16592.3**	**5.2**	**27.1**

Outfall: FDOT-542-05
Receiving Body of Water: Lake Elbert
County: POLK
State Road: SR 542

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
906	A	29.61	Residential, medium density	167.5	26.462	639.3	3034.7	1.2948	5.0173
907	A	0.10	Residential, medium density	0.6	0.090	2.2	10.4	0.0044	0.0171
908	A	26.94	Commercial, low intensity	242.1	36.721	1579.6	11796.0	3.6926	19.2838
909	D	1.52	Commercial, low intensity	14.5	2.205	94.9	708.4	0.2218	1.1581
910	A	8.99	Commercial, low intensity	80.8	12.257	527.3	3937.4	1.2326	6.4367
Raw Pollutant Load Total (lb/yr) =				**505.5**	**77.7**	**2843.3**	**19486.8**	**6.4**	**31.9**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	5.1	0.777	28.4	194.9	0.0645	0.3191
Streetsweeping Removal (lb/yr)	2.3	1.493	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	249.1	37.733	1125.9	13504.3	2.2336	22.1158

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	505.5	77.737	2843.3	19486.8	6.4462	31.9131
BMP Pollutant Load Reduction	256.4	40.003	1154.4	13699.2	2.2981	22.4349
Estimated Pollutant Load to Water Body	**249.1**	**37.7**	**1688.9**	**5787.6**	**4.1**	**9.5**

Outfall: FDOT-540-65
Receiving Body of Water: Lake Dexter
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
930	A	6.77	Residential, medium density	38.3	6.051	146.2	693.9	0.2961	1.1473
931	A	0.68	Residential, medium density	3.8	0.607	14.7	69.6	0.0297	0.1150
932	A	0.24	Residential, high density	2.9	0.650	14.1	97.2	0.0112	0.1075
933	A	0.00	Residential, high density	0.0	0.001	0.0	0.2	0.0000	0.0002
934	A	0.34	Residential, high density	4.2	0.942	20.5	140.9	0.0163	0.1558
935	A	6.61	Commercial, low intensity	59.4	9.006	387.4	2893.1	0.9057	4.7296
936	A	2.27	Commercial, low intensity	20.4	3.094	133.1	994.0	0.3112	1.6250
937	A	1.61	Commercial, low intensity	14.4	2.192	94.3	704.0	0.2204	1.1510
938	A	0.03	Commercial, low intensity	0.2	0.037	1.6	12.0	0.0038	0.0196
939	A	17.95	Commercial, low intensity	161.2	24.459	1052.1	7856.8	2.4595	12.8442
940	A	0.10	Commercial, low intensity	0.9	0.134	5.8	43.0	0.0135	0.0703
941	A	0.87	Commercial, low intensity	7.8	1.180	50.8	379.2	0.1187	0.6199
942	A	8.52	Undeveloped/Natural Areas	0.9	0.041	1.0	6.2	0.0000	0.0000
943	A	12.61	Highway	157.2	21.088	498.4	3575.3	30.6728	12.0774
944	A	0.94	Highway	11.8	1.578	37.3	267.6	2.2956	0.9039
945	D	0.08	Highway	1.1	0.141	3.3	23.9	0.2050	0.0807
946	A	0.17	Highway	2.1	0.279	6.6	47.2	0.4052	0.1595
947	A	0.91	Undeveloped/Natural Areas	0.1	0.004	0.1	0.7	0.0000	0.0000
Raw Pollutant Load Total (lb/yr) =				**486.6**	**71.5**	**2467.3**	**17804.9**	**38.0**	**35.8**

Outfall: FDOT-540-65
Receiving Body of Water: Lake Dexter
County: POLK
State Road: SR 540

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	4.9	0.715	24.7	178.0	0.3796	0.3581
Streetsweeping Removal (lb/yr)	3.4	2.192	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	239.2	34.288	977.1	12338.8	13.1547	24.8141

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	486.6	71.484	2467.3	17804.9	37.9645	35.8068
BMP Pollutant Load Reduction	247.5	37.195	1001.7	12516.8	13.5343	25.1722
Estimated Pollutant Load to Water Body	**239.2**	**34.3**	**1465.6**	**5288.0**	**24.4**	**10.6**

Outfall: FDOT-60-45
Receiving Body of Water: N. Bear Branch
County: POLK
State Road: SR 60

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
948	A	0.06	Industrial, light	0.6	0.121	3.5	27.8	0.0014	0.0264
949	D	5.04	Industrial, light	49.1	10.634	310.8	2454.1	0.1227	2.3314
950	A	12.37	Industrial, light	113.0	24.484	715.7	5650.2	0.2825	5.3677
951	A	7.60	Mining/Extractive	68.3	8.683	4399.5	3473.3	0.1737	3.2996
952	D	3.31	Mining/Extractive	31.6	4.022	2038.0	1608.9	0.0804	1.5285
953	D	0.00	Mining/Extractive	0.0	0.001	0.6	0.5	0.0000	0.0005
954	A	1.88	Mining/Extractive	16.9	2.143	1085.9	857.3	0.0429	0.8144
955	A	0.35	Mining/Extractive	3.2	0.401	203.4	160.6	0.0080	0.1525
956	A	0.83	Commercial, low intensity	7.4	1.125	48.4	361.3	0.1131	0.5907
957	A	0.30	Commercial, low intensity	2.7	0.410	17.6	131.8	0.0413	0.2154
958	D	0.43	Commercial, low intensity	4.1	0.619	26.6	198.7	0.0622	0.3249
959	A	1.52	Highway	19.0	2.548	60.2	432.0	3.7059	1.4592
960	A	12.77	Highway	159.1	21.349	504.6	3619.6	31.0532	12.2272
961	A	0.72	Highway	9.0	1.201	28.4	203.6	1.7468	0.6878
962	D	0.63	Highway	8.3	1.120	26.5	189.9	1.6289	0.6414
Raw Pollutant Load Total (lb/yr) =				**492.3**	**78.9**	**9469.8**	**19369.5**	**39.1**	**29.7**

Outfall: FDOT-60-45
Receiving Body of Water: N. Bear Branch
County: POLK
State Road: SR 60

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	4.9	0.789	94.7	193.7	0.3906	0.2967
Streetsweeping Removal (lb/yr)	3.2	2.068	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	242.1	38.003	3750.0	13423.1	13.5353	20.5596

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	492.3	78.862	9469.8	19369.5	39.0630	29.6676
BMP Pollutant Load Reduction	250.2	40.859	3844.7	13616.8	13.9260	20.8563
Estimated Pollutant Load to Water Body	**242.1**	**38.0**	**5625.0**	**5752.8**	**25.1**	**8.8**

Outfall: FDOT-60-35
Receiving Body of Water: N. Bear Branch
County: POLK
State Road: SR 60

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
963	A	0.01	Mining/Extractive	0.1	0.010	5.0	3.9	0.0002	0.0037
964	A	6.91	Mining/Extractive	62.1	7.895	4000.0	3157.9	0.1579	3.0000
965	A	0.05	Mining/Extractive	0.5	0.059	29.8	23.5	0.0012	0.0223
966	A	0.08	Mining/Extractive	0.7	0.086	43.5	34.4	0.0017	0.0326
967	A	1.37	Mining/Extractive	12.3	1.567	794.1	626.9	0.0313	0.5956
968	A	0.48	Mining/Extractive	4.3	0.547	277.1	218.7	0.0109	0.2078
969	A	1.51	Commercial, low intensity	13.5	2.054	88.4	659.8	0.2065	1.0786
970	D	3.88	Commercial, low intensity	37.1	5.634	242.3	1809.6	0.5665	2.9584
971	A	0.06	Highway	0.8	0.101	2.4	17.1	0.1465	0.0577
972	A	2.73	Highway	34.1	4.572	108.1	775.1	6.6495	2.6183
973	A	0.78	Highway	9.7	1.302	30.8	220.8	1.8943	0.7459
974	D	0.33	Highway	4.3	0.583	13.8	98.9	0.8485	0.3341
Raw Pollutant Load Total (lb/yr) =				**179.5**	**24.4**	**5635.0**	**7646.6**	**10.5**	**11.7**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.8	0.244	56.4	76.5	0.1052	0.1165
Streetsweeping Removal (lb/yr)	0.3	0.184	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	88.7	11.990	2231.5	5299.1	3.6435	8.0768

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	179.5	24.409	5635.0	7646.6	10.5151	11.6549
BMP Pollutant Load Reduction	90.8	12.418	2287.8	5375.5	3.7486	8.1934
Estimated Pollutant Load to Water Body	**88.7**	**12.0**	**3347.2**	**2271.0**	**6.8**	**3.5**

Outfall: FDOT-600-280
Receiving Body of Water: Channel to Lake Haines
County: POLK
State Road: SR 92

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
975	A	0.02	Residential, high density	0.3	0.065	1.4	9.7	0.0011	0.0107
976	A	0.07	Residential, high density	0.8	0.184	4.0	27.5	0.0032	0.0304
977	A	4.79	Industrial, light	43.7	9.475	277.0	2186.6	0.1093	2.0772
978	A	2.97	Industrial, light	27.1	5.877	171.8	1356.3	0.0678	1.2885
979	A	0.43	Commercial, low intensity	3.9	0.590	25.4	189.7	0.0594	0.3100
980	D	0.02	Commercial, low intensity	0.2	0.028	1.2	9.1	0.0028	0.0148
981	A	2.77	Commercial, low intensity	24.9	3.771	162.2	1211.3	0.3792	1.9802
982	A	0.03	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
983	A	0.04	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
984		0.25	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
985	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
986	A	1.17	Undeveloped/Natural Areas	0.1	0.006	0.1	0.9	0.0000	0.0000
987	A	0.50	Commercial, low intensity	4.5	0.688	29.6	221.0	0.0692	0.3613
988	A	3.15	Commercial, low intensity	28.3	4.299	184.9	1381.0	0.4323	2.2576
989	A	0.84	Commercial, low intensity	7.5	1.139	49.0	365.9	0.1145	0.5982
990	A	0.56	Undeveloped/Natural Areas	0.1	0.003	0.1	0.4	0.0000	0.0000
991	A	0.16	Highway	2.1	0.275	6.5	46.7	0.4004	0.1577
992	A	1.65	Highway	20.6	2.762	65.3	468.3	4.0179	1.5821
993	A	0.07	Highway	0.8	0.113	2.7	19.2	0.1645	0.0648
994	A	0.50	Highway	6.2	0.831	19.6	140.9	1.2085	0.4759
Raw Pollutant Load Total (lb/yr) =				**171.1**	**30.1**	**1000.8**	**7634.2**	**7.0**	**11.2**

Outfall: FDOT-600-280
Receiving Body of Water: Channel to Lake Haines
County: POLK
State Road: SR 92

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	1.7	0.301	10.0	76.3	0.0703	0.1121
Streetsweeping Removal (lb/yr)	0.1	0.071	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	84.7	14.867	396.3	5290.5	2.4360	7.7680

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	171.1	30.106	1000.8	7634.2	7.0303	11.2093
BMP Pollutant Load Reduction	86.5	15.239	406.3	5366.9	2.5063	7.8801
Estimated Pollutant Load to Water Body	**84.7**	**14.9**	**594.5**	**2267.4**	**4.5**	**3.3**

Outfall: FDOT-600-235
Receiving Body of Water: Lake Elsie
County: POLK
State Road: SR 92

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
995	A	1.82	Commercial, low intensity	16.4	2.487	107.0	798.9	0.2501	1.3061
996	D	1.83	Commercial, low intensity	17.5	2.656	114.3	853.2	0.2671	1.3948
997	A	0.37	Undeveloped/Natural Areas	0.0	0.002	0.0	0.3	0.0000	0.0000
998	A	0.01	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
999	A	1.28	Highway	16.0	2.140	50.6	362.8	3.1126	1.2256
1000	D	4.04	Highway	53.8	7.217	170.6	1223.6	10.4975	4.1334
Raw Pollutant Load Total (lb/yr) =				**103.7**	**14.5**	**442.5**	**3238.8**	**14.1**	**8.1**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.0	0.145	4.4	32.4	0.1413	0.0806
Streetsweeping Removal (lb/yr)	0.5	0.313	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	103.7	14.502	442.5	3238.8	14.1273	8.0598
BMP Pollutant Load Reduction	1.5	0.458	4.4	32.4	0.1413	0.0806
Estimated Pollutant Load to Water Body	**102.2**	**14.0**	**438.0**	**3206.4**	**14.0**	**8.0**

Outfall: FDOT-60-20
Receiving Body of Water: Ellis Branch
County: POLK
State Road: SR 60

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1001	A	0.18	Residential, medium density	1.0	0.164	4.0	18.8	0.0080	0.0311
1002	A	0.95	Residential, medium density	5.4	0.853	20.6	97.8	0.0417	0.1617
1003	A	1.94	Commercial, low intensity	17.5	2.647	113.9	850.4	0.2662	1.3902
1004	A	0.45	Commercial, low intensity	4.1	0.615	26.5	197.6	0.0619	0.3231
1005	A	0.35	Commercial, low intensity	3.2	0.479	20.6	153.8	0.0481	0.2514
1006	A	0.01	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1007	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1008	A	0.04	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1009	D	0.02	Undeveloped/Natural Areas	0.0	0.002	0.0	0.3	0.0000	0.0000
1010	A	0.06	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1011	A	0.79	Commercial, low intensity	7.1	1.081	46.5	347.2	0.1087	0.5676
1012	A	3.42	Highway	42.6	5.711	135.0	968.3	8.3071	3.2709
1013	A	0.56	Highway	6.9	0.931	22.0	157.9	1.3544	0.5333
1014	D	0.03	Highway	0.3	0.047	1.1	7.9	0.0681	0.0268
Raw Pollutant Load Total (lb/yr) =				**88.1**	**12.5**	**390.2**	**2800.1**	**10.3**	**6.6**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	0.9	0.125	3.9	28.0	0.1026	0.0656
Streetsweeping Removal (lb/yr)	0.6	0.372	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	88.1	12.530	390.2	2800.1	10.2643	6.5561
BMP Pollutant Load Reduction	1.5	0.497	3.9	28.0	0.1026	0.0656
Estimated Pollutant Load to Water Body	**86.7**	**12.0**	**386.3**	**2772.1**	**10.2**	**6.5**

Outfall: FDOT-546-15
Receiving Body of Water: Itchepackesassa Creek
County: POLK
State Road: SR 92

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1015	A	16.65	Residential, medium density	94.2	14.874	359.3	1705.7	0.7278	2.8201
1016	A	0.72	Residential, medium density	4.1	0.644	15.5	73.8	0.0315	0.1220
1017	D	0.09	Residential, medium density	0.8	0.129	3.1	14.8	0.0063	0.0245
1018	A	0.05	Residential, medium density	0.3	0.043	1.0	5.0	0.0021	0.0082
1019	A	7.55	Commercial, low intensity	67.8	10.292	442.7	3306.2	1.0350	5.4050
1020	B	1.57	Commercial, low intensity	14.4	2.183	93.9	701.2	0.2195	1.1462
1021	A	1.36	Commercial, low intensity	12.2	1.857	79.9	596.7	0.1868	0.9754
1022	A	6.94	Commercial, low intensity	62.4	9.460	407.0	3039.0	0.9513	4.9681
1023	D	0.41	Commercial, low intensity	3.9	0.596	25.6	191.5	0.0600	0.3131
1024	A	3.70	Industrial, light	33.8	7.326	214.2	1690.7	0.0845	1.6061
1025	A	2.45	Industrial, light	22.4	4.860	142.1	1121.5	0.0561	1.0654
1026	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1027	B	0.03	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1028	A	0.08	Undeveloped/Natural Areas	0.0	0.000	0.0	0.1	0.0000	0.0000
1029	A	3.34	Highway	41.6	5.583	132.0	946.6	8.1211	3.1977
1030	D	0.00	Highway	0.0	0.000	0.0	0.1	0.0006	0.0002
1031	B	0.31	Highway	4.0	0.536	12.7	90.9	0.7800	0.3071
Raw Pollutant Load Total (lb/yr) =				**362.0**	**58.4**	**1929.1**	**13483.8**	**12.3**	**22.0**

Outfall: FDOT-546-15
Receiving Body of Water: Itchepackesassa Creek
County: POLK
State Road: SR 92

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	3.6	0.584	19.3	134.8	0.1226	0.2196
Streetsweeping Removal (lb/yr)	0.2	0.154	0	0	0	0
Dry Retention Removal Efficiency (%)	60%	60%	60%	60%	60%	60%
Dry Retention Total Removal (lb/yr)	214.9	34.589	1145.9	8009.4	7.2840	13.0438

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	362.0	58.386	1929.1	13483.8	12.2626	21.9593
BMP Pollutant Load Reduction	218.7	35.327	1165.2	8144.2	7.4066	13.2634
Estimated Pollutant Load to Water Body	**143.3**	**23.1**	**763.9**	**5339.6**	**4.9**	**8.7**

Outfall: FDOT-35-135
Receiving Body of Water: Banana Lake
County: POLK
State Road: SR 35

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1086	A	2.84	Residential, low density	3.9	0.465	11.4	56.0	0.0195	0.0755
1087	A	4.92	Residential, low density	6.8	0.806	19.8	97.0	0.0337	0.1307
1088	D	1.33	Residential, medium density	11.6	1.828	44.2	209.6	0.0894	0.3465
1089	A	0.10	Residential, medium density	0.6	0.088	2.1	10.1	0.0043	0.0167
1090	A	17.07	Residential, medium density	96.5	15.249	368.4	1748.8	0.7461	2.8913
1091	A	21.29	Residential, medium density	120.4	19.023	459.6	2181.6	0.9308	3.6069
1092	A	0.18	Residential, medium density	1.0	0.164	4.0	18.8	0.0080	0.0311
1093	A	35.92	Residential, medium density	203.2	32.099	775.5	3681.1	1.5706	6.0860
1094	D	0.37	Residential, high density	5.4	1.220	26.5	182.5	0.0211	0.2017
1095	A	5.08	Residential, high density	61.9	13.884	301.7	2077.3	0.2403	2.2963
1096	A	0.00	Residential, high density	0.0	0.007	0.1	1.0	0.0001	0.0011
1097	A	0.11	Residential, high density	1.4	0.311	6.7	46.5	0.0054	0.0514
1098	A	0.17	Residential, high density	2.0	0.458	10.0	68.5	0.0079	0.0758
1099	D	0.36	Commercial, low intensity	3.5	0.523	22.5	168.1	0.0526	0.2749
1100	D	8.20	Industrial, light	79.8	17.285	505.3	3988.9	0.1994	3.7894
1101	A	0.55	Industrial, light	5.0	1.084	31.7	250.1	0.0125	0.2376
1102	A	10.62	Industrial, light	97.0	21.019	614.4	4850.5	0.2425	4.6080
1103	A	4.78	Industrial, light	43.7	9.466	276.7	2184.4	0.1092	2.0751
1104	A	0.68	Commercial, low intensity	6.1	0.924	39.7	296.7	0.0929	0.4851
1105	D	1.79	Commercial, low intensity	17.1	2.598	111.8	834.6	0.2613	1.3643
1106	A	0.53	Commercial, low intensity	4.8	0.721	31.0	231.7	0.0725	0.3787
1107	D	9.15	Highway	121.9	16.358	386.6	2773.4	23.7934	9.3687
1108	A	0.19	Highway	2.3	0.315	7.4	53.3	0.4575	0.1802
1109	A	0.88	Highway	10.9	1.468	34.7	248.8	2.1347	0.8405
1110	A	0.73	Highway	9.1	1.218	28.8	206.5	1.7720	0.6977
1111	A	0.37	Highway	4.6	0.622	14.7	105.4	0.9046	0.3562
1112	A	1.03	Highway	12.8	1.723	40.7	292.2	2.5064	0.9869
Raw Pollutant Load Total (lb/yr) =				**933.6**	**160.9**	**4176.1**	**26863.4**	**36.3**	**41.5**

Outfall: FDOT-35-135
Receiving Body of Water: Banana Lake
County: POLK
State Road: SR 35

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	9.3	1.609	41.8	268.6	0.3629	0.4145
Streetsweeping Removal (lb/yr)	0.0	0.000	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	462.1	79.658	1653.7	18616.3	12.5741	28.7278

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	933.6	160.925	4176.1	26863.4	36.2890	41.4543
BMP Pollutant Load Reduction	471.4	81.267	1695.5	18885.0	12.9370	29.1424
Estimated Pollutant Load to Water Body	**462.1**	**79.7**	**2480.6**	**7978.4**	**23.4**	**12.3**

Outfall: FDOT-35-145
Receiving Body of Water: Lake Bonny
County: POLK
State Road: SR 35

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1113	A	47.06	Residential, medium density	266.2	42.054	1016.0	4822.7	2.0577	7.9736
1114	D	0.05	Residential, medium density	0.4	0.069	1.7	7.9	0.0034	0.0130
1115	D	2.16	Residential, medium density	18.8	2.970	71.7	340.6	0.1453	0.5631
1116	A	10.27	Residential, medium density	58.1	9.179	221.7	1052.6	0.4491	1.7403
1117	D	24.59	Commercial, low intensity	235.3	35.701	1535.7	11468.2	3.5901	18.7481
1118	A	1.23	Commercial, low intensity	11.1	1.681	72.3	540.0	0.1691	0.8828
1119	D	0.20	Commercial, low intensity	1.9	0.294	12.7	94.5	0.0296	0.1545
1120	A	10.94	Commercial, low intensity	98.3	14.916	641.6	4791.5	1.4999	7.8330
1121	D	0.00	Commercial, low intensity	0.0	0.002	0.1	0.7	0.0002	0.0012
1122	D	0.05	Commercial, low intensity	0.5	0.072	3.1	23.2	0.0073	0.0379
1123	A	0.00	Commercial, low intensity	0.0	0.003	0.1	1.0	0.0003	0.0016
1124	D	0.05	Commercial, low intensity	0.5	0.074	3.2	23.8	0.0075	0.0389
1125	A	0.07	Commercial, low intensity	0.6	0.098	4.2	31.5	0.0099	0.0516
1126	D	7.69	Commercial, low intensity	73.6	11.160	480.1	3585.0	1.1222	5.8606
1127	A	0.00	Commercial, low intensity	0.0	0.004	0.2	1.4	0.0004	0.0022
1128	A	7.84	Commercial, low intensity	70.5	10.689	459.8	3433.7	1.0749	5.6133
1129	D	3.50	Highway	46.7	6.261	148.0	1061.5	9.1065	3.5857
1130	A	3.52	Highway	43.8	5.879	139.0	996.8	8.5514	3.3671
1131	D	16.76	Highway	223.3	29.960	708.2	5079.7	43.5789	17.1592
Raw Pollutant Load Total (lb/yr) =				**1149.8**	**171.1**	**5519.4**	**37356.2**	**71.4**	**73.6**

Outfall: FDOT-35-145
Receiving Body of Water: Lake Bonny
County: POLK
State Road: SR 35

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	11.5	1.711	55.2	373.6	0.7140	0.7363
Streetsweeping Removal (lb/yr)	10.2	6.541	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	564.0	81.408	2185.7	25887.9	24.7414	51.0241

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	1149.8	171.068	5519.4	37356.2	71.4036	73.6278
BMP Pollutant Load Reduction	585.8	89.659	2240.9	26261.4	25.4554	51.7603
Estimated Pollutant Load to Water Body	**564.0**	**81.4**	**3278.5**	**11094.8**	**45.9**	**21.9**

Outfall: FDOT-35-50
Receiving Body of Water: McCullough Creek
County: POLK
State Road: SR 17

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1132	A	13.41	Residential, medium density	75.8	11.980	289.4	1373.9	0.5862	2.2715
1133	D	0.20	Residential, medium density	1.7	0.272	6.6	31.1	0.0133	0.0515
1134	A	35.65	Residential, medium density	201.7	31.857	769.6	3653.3	1.5588	6.0402
1135	D	0.15	Residential, medium density	1.3	0.211	5.1	24.2	0.0103	0.0400
1136	A	0.63	Commercial, low intensity	5.6	0.855	36.8	274.7	0.0860	0.4490
1137	A	21.96	Commercial, low intensity	197.3	29.932	1287.6	9614.9	3.0099	15.7183
1138	D	19.80	Commercial, low intensity	189.5	28.753	1236.9	9236.4	2.8914	15.0995
Raw Pollutant Load Total (lb/yr) =				**673.1**	**103.9**	**3632.0**	**24208.6**	**8.2**	**39.7**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	6.7	1.039	36.3	242.1	0.0816	0.3967
Streetsweeping Removal (lb/yr)	3.8	2.456	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	673.1	103.860	3632.0	24208.6	8.1558	39.6701
BMP Pollutant Load Reduction	10.6	3.494	36.3	242.1	0.0816	0.3967
Estimated Pollutant Load to Water Body	**662.5**	**100.4**	**3595.6**	**23966.5**	**8.1**	**39.3**

Outfall: FDOT-539-5
Receiving Body of Water: Lake Bonnet
County: POLK
State Road: SR 539

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1163	A	33.02	Residential, medium density	186.8	29.507	712.9	3383.8	1.4438	5.5945
1164	A	8.96	Residential, medium density	50.7	8.007	193.4	918.2	0.3918	1.5182
1165	A	77.42	Residential, medium density	437.9	69.183	1671.4	7933.8	3.3851	13.1173
1166	A	15.59	Residential, medium density	88.2	13.933	336.6	1597.9	0.6818	2.6418
1167	A	7.72	Residential, medium density	43.7	6.896	166.6	790.8	0.3374	1.3075
1168	A	6.65	Residential, medium density	37.6	5.944	143.6	681.7	0.2908	1.1270
1169	A	2.36	Residential, medium density	13.3	2.107	50.9	241.7	0.1031	0.3996
1170	A	2.65	Residential, high density	32.3	7.240	157.3	1083.2	0.1253	1.1974
1171	A	1.06	Residential, high density	12.9	2.902	63.1	434.3	0.0502	0.4800
1172	A	0.80	Commercial, low intensity	7.2	1.093	47.0	351.0	0.1099	0.5738
1173	A	5.08	Commercial, low intensity	45.7	6.927	298.0	2225.3	0.6966	3.6378
1174	A	1.37	Commercial, low intensity	12.3	1.871	80.5	601.1	0.1882	0.9827
1175	A	21.55	Commercial, low intensity	193.6	29.371	1263.5	9434.9	2.9535	15.4241
1176	A	0.33	Commercial, low intensity	3.0	0.450	19.4	144.5	0.0452	0.2363
1177	A	10.08	Commercial, low intensity	90.5	13.734	590.8	4411.9	1.3811	7.2125
1178	A	0.05	Commercial, low intensity	0.4	0.066	2.8	21.2	0.0066	0.0346
1179	A	0.42	Undeveloped/Natural Areas	0.0	0.002	0.1	0.3	0.0000	0.0000
1180	A	3.35	Undeveloped/Natural Areas	0.3	0.016	0.4	2.4	0.0000	0.0000
1181	A	0.05	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1182	A	0.18	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1183	A	13.68	Highway	170.6	22.880	540.8	3879.2	33.2800	13.1040
1184	A	3.82	Highway	47.7	6.393	151.1	1083.9	9.2992	3.6616
1185	A	4.47	Highway	55.7	7.477	176.7	1267.6	10.8750	4.2820
Raw Pollutant Load Total (lb/yr) =				**1530.6**	**236.0**	**6666.9**	**40488.9**	**65.6**	**76.5**

Outfall: FDOT-539-5
Receiving Body of Water: Lake Bonnet
County: POLK
State Road: SR 539

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	15.3	2.360	66.7	404.9	0.6564	0.7653
Streetsweeping Removal (lb/yr)	12.4	7.958	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	751.4	112.842	2640.1	28058.8	22.7459	53.0371

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	1530.6	236.002	6666.9	40488.9	65.6447	76.5326
BMP Pollutant Load Reduction	779.2	123.160	2706.8	28463.7	23.4023	53.8024
Estimated Pollutant Load to Water Body	**751.4**	**112.8**	**3960.1**	**12025.2**	**42.2**	**22.7**

Outfall: FDOT-540-75
Receiving Body of Water: Lake Ruby
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1186	A	0.78	Residential, low density	1.1	0.128	3.2	15.5	0.0054	0.0208
1187	A	1.07	Residential, low density	1.5	0.175	4.3	21.1	0.0073	0.0284
1188	A	0.63	Residential, low density	0.9	0.103	2.5	12.4	0.0043	0.0167
1189	A	3.54	Residential, low density	4.9	0.579	14.2	69.7	0.0242	0.0940
1190	A	0.23	Residential, medium density	1.3	0.206	5.0	23.6	0.0101	0.0391
1191	A	8.62	Residential, medium density	48.8	7.705	186.1	883.6	0.3770	1.4608
1192	A	0.30	Residential, medium density	1.7	0.271	6.6	31.1	0.0133	0.0514
1193	A	0.05	Residential, medium density	0.3	0.047	1.1	5.4	0.0023	0.0090
1194	A	0.82	Residential, medium density	4.6	0.732	17.7	83.9	0.0358	0.1388
1195	A	0.71	Residential, medium density	4.0	0.634	15.3	72.7	0.0310	0.1202
1196	A	4.15	Residential, medium density	23.5	3.708	89.6	425.2	0.1814	0.7030
1197	A	0.77	Residential, medium density	4.3	0.685	16.5	78.5	0.0335	0.1299
1198	A	2.11	Residential, medium density	11.9	1.885	45.5	216.2	0.0922	0.3574
1199	A	0.00	Residential, high density	0.0	0.000	0.0	0.0	0.0000	0.0000
1200	A	6.03	Residential, high density	73.5	16.479	358.1	2465.4	0.2852	2.7253
1201	A	3.23	Residential, high density	39.3	8.816	191.6	1319.0	0.1526	1.4580
1202	A	4.04	Residential, high density	49.3	11.046	240.0	1652.6	0.1912	1.8268
1203	A	0.35	Residential, high density	4.3	0.967	21.0	144.7	0.0167	0.1600
1204	A	0.94	Commercial, low intensity	8.5	1.283	55.2	412.2	0.1290	0.6738
1205	A	2.19	Commercial, low intensity	19.7	2.990	128.6	960.5	0.3007	1.5702
1206	A	0.03	Commercial, low intensity	0.3	0.043	1.8	13.7	0.0043	0.0224
1207	A	2.99	Commercial, low intensity	26.9	4.080	175.5	1310.6	0.4103	2.1426
1208	A	0.04	Commercial, low intensity	0.3	0.049	2.1	15.6	0.0049	0.0255
1209	A	0.32	Commercial, low intensity	2.8	0.432	18.6	138.7	0.0434	0.2268
1210	A	0.07	Commercial, low intensity	0.6	0.094	4.1	30.3	0.0095	0.0495
1211	A	0.77	Commercial, low intensity	6.9	1.051	45.2	337.6	0.1057	0.5518
1212	A	0.31	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
1213	A	0.72	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
1214	A	5.22	Undeveloped/Natural Areas	0.5	0.025	0.6	3.8	0.0000	0.0000

Outfall: FDOT-540-75
Receiving Body of Water: Lake Ruby
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1215	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1216	A	0.02	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1217	A	1.83	Undeveloped/Natural Areas	0.2	0.009	0.2	1.3	0.0000	0.0000
1218	A	4.89	Agriculture, general	1.2	0.183	1.6	18.4	0.0055	0.0089
1219	A	0.01	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1220	A	1.60	Highway	20.0	2.677	63.3	453.9	3.8937	1.5331
1221	A	0.70	Highway	8.8	1.174	27.8	199.1	1.7081	0.6726
1222	A	2.12	Highway	26.4	3.537	83.6	599.7	5.1449	2.0258
1223	A	0.89	Highway	11.1	1.492	35.3	253.0	2.1703	0.8546
1224	A	2.65	Highway	33.0	4.426	104.6	750.5	6.4383	2.5351
1225	A	2.75	Highway	34.3	4.598	108.7	779.6	6.6884	2.6335
1226	A	0.39	Undeveloped/Natural Areas	0.0	0.002	0.0	0.3	0.0000	0.0000
1227	A	0.49	Undeveloped/Natural Areas	0.0	0.002	0.1	0.4	0.0000	0.0000
1228	A	0.47	Undeveloped/Natural Areas	0.0	0.002	0.1	0.3	0.0000	0.0000
Raw Pollutant Load Total (lb/yr) =				**476.9**	**82.3**	**2075.5**	**13800.8**	**28.5**	**24.9**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	4.8	0.823	20.8	138.0	0.2852	0.2487
Streetsweeping Removal (lb/yr)	1.1	0.729	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	235.5	40.384	821.9	9564.0	9.8823	17.2319

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	476.9	82.320	2075.5	13800.8	28.5205	24.8657
BMP Pollutant Load Reduction	241.4	41.936	842.7	9702.0	10.1675	17.4806
Estimated Pollutant Load to Water Body	**235.5**	**40.4**	**1232.8**	**4098.8**	**18.4**	**7.4**

Outfall: FDOT-544-115
Receiving Body of Water: Lake Hartridge
County: POLK
State Road: SR 544

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1229	A	4.90	Residential, medium density	27.7	4.382	105.9	502.6	0.2144	0.8309
1230	A	8.05	Residential, medium density	45.5	7.191	173.7	824.6	0.3518	1.3634
1231	A	3.13	Residential, medium density	17.7	2.800	67.6	321.1	0.1370	0.5308
1232	D	0.17	Residential, medium density	1.5	0.239	5.8	27.4	0.0117	0.0454
1233	A	4.49	Residential, medium density	25.4	4.011	96.9	460.0	0.1962	0.7605
1234	D	0.15	Residential, medium density	1.3	0.211	5.1	24.2	0.0103	0.0400
1235	A	0.06	Residential, high density	0.8	0.172	3.7	25.7	0.0030	0.0284
1236	D	0.80	Residential, high density	11.6	2.611	56.7	390.6	0.0452	0.4318
1237	A	1.50	Residential, high density	18.3	4.102	89.1	613.7	0.0710	0.6784
1238	A	1.36	Residential, high density	16.5	3.709	80.6	555.0	0.0642	0.6135
1239	A	2.84	Residential, high density	34.7	7.769	168.8	1162.3	0.1345	1.2848
1240	D	5.13	Residential, high density	75.1	16.840	365.9	2519.5	0.2915	2.7850
1241	A	1.65	Commercial, low intensity	14.8	2.250	96.8	722.7	0.2262	1.1815
1242	A	1.14	Commercial, low intensity	10.3	1.557	67.0	500.2	0.1566	0.8178
1243	A	2.26	Commercial, low intensity	20.3	3.086	132.8	991.4	0.3104	1.6207
1244	A	1.39	Commercial, low intensity	12.4	1.888	81.2	606.4	0.1898	0.9913
1245	A	1.39	Commercial, low intensity	12.5	1.897	81.6	609.4	0.1908	0.9963
1246	A	1.70	Commercial, low intensity	15.3	2.321	99.8	745.5	0.2334	1.2187
1247	D	18.84	Commercial, low intensity	180.3	27.351	1176.6	8786.0	2.7504	14.3632
1248	D	0.34	Commercial, low intensity	3.2	0.493	21.2	158.2	0.0495	0.2587
1249	A	0.63	Commercial, low intensity	5.6	0.854	36.7	274.2	0.0858	0.4483
1250	D	1.76	Commercial, low intensity	16.9	2.556	110.0	821.2	0.2571	1.3425
1251	A	0.72	Commercial, low intensity	6.5	0.984	42.3	316.0	0.0989	0.5166
1252	D	0.32	Commercial, low intensity	3.1	0.465	20.0	149.4	0.0468	0.2442
1253	A	0.19	Commercial, low intensity	1.7	0.261	11.2	83.9	0.0263	0.1372
1254	D	1.45	Commercial, low intensity	13.9	2.110	90.8	677.7	0.2121	1.1079
1255	D	0.01	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1256	A	0.28	Highway	3.5	0.471	11.1	79.8	0.6850	0.2697
1257	A	1.10	Highway	13.7	1.841	43.5	312.1	2.6773	1.0542

Outfall: FDOT-544-115
Receiving Body of Water: Lake Hartridge
County: POLK
State Road: SR 544

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1258	A	0.30	Highway	3.7	0.502	11.9	85.2	0.7308	0.2878
1259	D	10.60	Highway	141.2	18.940	447.7	3211.2	27.5494	10.8476
Raw Pollutant Load Total (lb/yr) =				**755.4**	**123.9**	**3802.1**	**26557.4**	**38.0**	**47.1**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	7.6	1.239	38.0	265.6	0.3801	0.4710
Streetsweeping Removal (lb/yr)	8.2	5.242	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	755.4	123.863	3802.1	26557.4	38.0074	47.0969
BMP Pollutant Load Reduction	15.7	6.480	38.0	265.6	0.3801	0.4710
Estimated Pollutant Load to Water Body	**739.6**	**117.4**	**3764.1**	**26291.8**	**37.6**	**46.6**

Outfall: FDOT-542-07
Receiving Body of Water: Lake Elbert
County: POLK
State Road: SR 542

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1858	A	0.74	Residential, medium density	4.2	0.657	15.9	75.3	0.0321	0.1246
1859	A	0.07	Residential, medium density	0.4	0.063	1.5	7.3	0.0031	0.0120
1860	A	0.83	Commercial, low intensity	7.5	1.137	48.9	365.2	0.1143	0.5971
Raw Pollutant Load Total (lb/yr) =				**12.1**	**1.9**	**66.3**	**447.9**	**0.1**	**0.7**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	0.1	0.019	0.7	4.5	0.0015	0.0073
Streetsweeping Removal (lb/yr)	0.1	0.054	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	12.1	1.857	66.3	447.9	0.1496	0.7337
BMP Pollutant Load Reduction	0.2	0.073	0.7	4.5	0.0015	0.0073
Estimated Pollutant Load to Water Body	**11.9**	**1.8**	**65.7**	**443.4**	**0.1**	**0.7**

Outfall: FDOT-563-30
Receiving Body of Water: Lake Wire
County: POLK
State Road: SR 563

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1278	A	1.49	Residential, medium density	8.4	1.331	32.2	152.6	0.0651	0.2524
1279	A	14.79	Residential, medium density	83.6	13.213	319.2	1515.2	0.6465	2.5052
1280	A	2.05	Residential, medium density	11.6	1.833	44.3	210.2	0.0897	0.3475
1281	A	0.11	Residential, medium density	0.6	0.096	2.3	11.0	0.0047	0.0182
1282	A	0.46	Commercial, low intensity	4.1	0.624	26.9	200.6	0.0628	0.3279
1283	A	3.73	Highway	46.5	6.242	147.5	1058.3	9.0789	3.5748
Raw Pollutant Load Total (lb/yr) =				**154.9**	**23.3**	**572.4**	**3148.0**	**9.9**	**7.0**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.5	0.233	5.7	31.5	0.0995	0.0703
Streetsweeping Removal (lb/yr)	0.6	0.356	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	154.9	23.339	572.4	3148.0	9.9477	7.0261
BMP Pollutant Load Reduction	2.1	0.589	5.7	31.5	0.0995	0.0703
Estimated Pollutant Load to Water Body	**152.8**	**22.8**	**566.6**	**3116.5**	**9.8**	**7.0**

Outfall: FDOT-563-8
Receiving Body of Water: Poley Creek
County: POLK
State Road: SR 563

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1284	A	0.04	Residential, high density	0.5	0.111	2.4	16.6	0.0019	0.0184
1285	A	0.05	Commercial, low intensity	0.5	0.073	3.1	23.3	0.0073	0.0382
1286	A	0.40	Commercial, low intensity	3.6	0.542	23.3	174.0	0.0545	0.2845
1287	A	0.26	Commercial, low intensity	2.3	0.356	15.3	114.5	0.0358	0.1871
1288	A	0.84	Commercial, low intensity	7.6	1.149	49.4	369.2	0.1156	0.6036
1289	A	0.01	Commercial, low intensity	0.1	0.012	0.5	3.9	0.0012	0.0063
1290	A	0.46	Undeveloped/Natural Areas	0.0	0.002	0.1	0.3	0.0000	0.0000
1291	A	0.53	Undeveloped/Natural Areas	0.1	0.003	0.1	0.4	0.0000	0.0000
1292	A	0.19	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1293	A	3.90	Highway	48.7	6.528	154.3	1106.7	9.4947	3.7385
1294	B	0.00	Highway	0.0	0.006	0.1	1.1	0.0092	0.0036
1295	A	0.37	Highway	4.6	0.610	14.4	103.5	0.8880	0.3496
1296	A	0.18	Highway	2.2	0.297	7.0	50.3	0.4314	0.1699
1297	A	0.81	Highway	10.0	1.346	31.8	228.3	1.9583	0.7711
1298	A	0.00	Highway	0.0	0.006	0.1	1.0	0.0090	0.0035
Raw Pollutant Load Total (lb/yr) =				**80.2**	**11.0**	**302.1**	**2193.4**	**13.0**	**6.2**

Outfall: FDOT-563-8
Receiving Body of Water: Poley Creek
County: POLK
State Road: SR 563

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	0.8	0.110	3.0	21.9	0.1301	0.0617
Streetsweeping Removal (lb/yr)	0.5	0.294	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	15.8	6.383	149.6	1845.7	7.7261	5.1958

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	80.2	11.043	302.1	2193.4	13.0068	6.1744
BMP Pollutant Load Reduction	17.1	6.787	152.6	1867.7	7.8561	5.2575
Estimated Pollutant Load to Water Body	**63.2**	**4.3**	**149.6**	**325.7**	**5.2**	**0.9**

Outfall: FDOT-60-30
Receiving Body of Water: Phosphate Pit
County: POLK
State Road: SR 60

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1310	A	0.24	Residential, medium density	1.3	0.212	5.1	24.3	0.0104	0.0402
1311	A	1.25	Residential, medium density	7.0	1.113	26.9	127.6	0.0545	0.2110
1312	A	6.83	Residential, medium density	38.7	6.106	147.5	700.2	0.2988	1.1577
1313	A	57.60	Industrial, light	526.3	114.028	3333.1	26314.3	1.3157	24.9986
1314	A	0.23	Industrial, light	2.1	0.462	13.5	106.6	0.0053	0.1013
1315	A	1.01	Commercial, low intensity	9.1	1.380	59.4	443.3	0.1388	0.7246
1316	A	7.89	Commercial, low intensity	70.9	10.751	462.5	3453.4	1.0811	5.6456
1317	A	3.13	Mining/Extractive	28.2	3.579	1813.3	1431.6	0.0716	1.3600
1318	D	0.03	Mining/Extractive	0.3	0.037	18.9	14.9	0.0007	0.0142
1319	A	0.38	Mining/Extractive	3.4	0.434	219.8	173.5	0.0087	0.1648
1320	A	8.40	Commercial, low intensity	75.5	11.449	492.5	3677.7	1.1513	6.0123
1321	A	32.75	Commercial, low intensity	294.3	44.640	1920.3	14339.7	4.4889	23.4422
1322	A	0.03	Commercial, low intensity	0.2	0.037	1.6	12.0	0.0038	0.0196
1323	A	1.22	Undeveloped/Natural Areas	0.1	0.006	0.1	0.9	0.0000	0.0000
1324	A	3.16	Undeveloped/Natural Areas	0.3	0.015	0.4	2.3	0.0000	0.0000
1325	A	1.07	Commercial, low intensity	9.7	1.464	63.0	470.4	0.1473	0.7690
1326	A	0.13	Commercial, low intensity	1.2	0.181	7.8	58.0	0.0182	0.0949
1327	A	4.91	Commercial, low intensity	44.1	6.689	287.7	2148.6	0.6726	3.5124
1328	A	1.16	Commercial, low intensity	10.5	1.587	68.3	509.9	0.1596	0.8336
1329	A	23.17	Commercial, low intensity	208.2	31.576	1358.3	10143.0	3.1752	16.5816
1330	A	4.34	Commercial, low intensity	39.0	5.910	254.2	1898.6	0.5943	3.1038
1331	A	1.47	Undeveloped/Natural Areas	0.1	0.007	0.2	1.1	0.0000	0.0000
1332	A	4.28	Undeveloped/Natural Areas	0.4	0.020	0.5	3.1	0.0000	0.0000
1333	A	0.44	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1334	A	4.46	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1335	A	17.61	Highway	219.6	29.455	696.2	4993.9	42.8432	16.8695
1336	A	0.13	Highway	1.6	0.216	5.1	36.6	0.3136	0.1235
Raw Pollutant Load Total (lb/yr) =				**1592.0**	**271.4**	**11256.2**	**71085.5**	**56.6**	**105.8**

Outfall: FDOT-60-30
Receiving Body of Water: Phosphate Pit
County: POLK
State Road: SR 60

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	15.9	2.714	112.6	710.9	0.5655	1.0578
Streetsweeping Removal (lb/yr)	3.7	2.353	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	786.2	133.144	4457.4	49262.2	19.5958	73.3058

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	1592.0	271.354	11256.2	71085.5	56.5535	105.7804
BMP Pollutant Load Reduction	805.8	138.210	4570.0	49973.1	20.1613	74.3636
Estimated Pollutant Load to Water Body	**786.2**	**133.1**	**6686.2**	**21112.4**	**36.4**	**31.4**

Outfall: FDOT-659-15
Receiving Body of Water: Saddle Creek
County: POLK
State Road: SR 659

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1337	A	0.09	Residential, medium density	0.5	0.0820	2.0	9.4	0.0040	0.0155
1338	A	74.38	Residential, medium density	420.8	66.4672	1605.8	7622.4	3.2522	12.6024
1339	A	0.98	Residential, medium density	5.5	0.8723	21.1	100.0	0.0427	0.1654
1340	A	6.17	Residential, high density	75.2	16.8606	366.4	2522.6	0.2918	2.7885
1341	A	21.15	Commercial, low intensity	190.0	28.8287	1240.1	9260.6	2.8990	15.1391
1342	A	2.50	Commercial, low intensity	22.5	3.4112	146.7	1095.8	0.3430	1.7914
Raw Pollutant Load Total (lb/yr) =				**714.6**	**116.5**	**3382.1**	**20610.8**	**6.8**	**32.5**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	7.1	1.1652	33.8	206.1	0.0683	0.3250
Streetsweeping Removal (lb/yr)	0.0	0.0000	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	714.6	116.5220	3382.1	20610.8	6.8327	32.5022
BMP Pollutant Load Reduction	7.1	1.1652	33.8	206.1	0.0683	0.3250
Estimated Pollutant Load to Water Body	**707.4**	**115.4**	**3348.3**	**20404.7**	**6.8**	**32.2**

Outfall: FDOT-35-105
Receiving Body of Water: Bear Creek
County: POLK
State Road: SR 98

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1525	A	0.37	Commercial, low intensity	3.3	0.506	21.8	162.7	0.0509	0.2660
1526	D	0.66	Commercial, low intensity	6.3	0.952	40.9	305.8	0.0957	0.4999
1527	A	0.90	Highway	11.3	1.512	35.7	256.3	2.1987	0.8657
1528	D	1.23	Highway	16.4	2.204	52.1	373.6	3.2054	1.2621
Raw Pollutant Load Total (lb/yr) =				**37.3**	**5.2**	**150.6**	**1098.4**	**5.6**	**2.9**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	0.4	0.052	1.5	11.0	0.0555	0.0289
Streetsweeping Removal (lb/yr)	0.1	0.080	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	18.4	2.521	59.6	761.2	1.9233	2.0053

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	37.3	5.174	150.6	1098.4	5.5508	2.8937
BMP Pollutant Load Reduction	18.9	2.653	61.1	772.2	1.9789	2.0343
Estimated Pollutant Load to Water Body	**18.4**	**2.5**	**89.4**	**326.2**	**3.6**	**0.9**

Outfall: FDOT-35-155
Receiving Body of Water: Lake Parker
County: POLK
State Road: SR 98

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1529	A	0.56	Residential, medium density	3.2	0.503	12.2	57.7	0.0246	0.0954
1530	A	1.73	Residential, medium density	9.8	1.543	37.3	177.0	0.0755	0.2926
1531	A	1.81	Residential, medium density	10.2	1.614	39.0	185.1	0.0790	0.3059
1532	A	1.15	Residential, medium density	6.5	1.029	24.8	118.0	0.0503	0.1950
1533	A	6.14	Residential, high density	74.8	16.762	364.3	2507.9	0.2901	2.7722
1534	A	0.48	Residential, high density	5.8	1.305	28.4	195.3	0.0226	0.2159
1535	A	10.31	Residential, high density	125.7	28.166	612.1	4214.1	0.4875	4.6583
1536	A	0.17	Residential, high density	2.1	0.469	10.2	70.2	0.0081	0.0776
1537	A	0.03	Commercial, low intensity	0.3	0.043	1.8	13.7	0.0043	0.0224
1538	B	11.88	Industrial, light	110.7	23.979	700.9	5533.6	0.2767	5.2569
1539	A	0.07	Industrial, light	0.7	0.148	4.3	34.2	0.0017	0.0325
1540	A	1.59	Industrial, light	14.5	3.147	92.0	726.2	0.0363	0.6899
1541	D	0.24	Industrial, light	2.4	0.515	15.0	118.8	0.0059	0.1128
1542	B	1.47	Commercial, low intensity	13.5	2.042	87.8	655.9	0.2053	1.0723
1543	A	1.85	Commercial, low intensity	16.6	2.519	108.4	809.2	0.2533	1.3229
1544	A	0.09	Commercial, low intensity	0.8	0.123	5.3	39.4	0.0123	0.0644
1545	A	4.86	Commercial, low intensity	43.6	6.618	284.7	2125.9	0.6655	3.4753
1546	A	4.85	Commercial, low intensity	43.6	6.614	284.5	2124.7	0.6651	3.4734
1547	A	0.02	Commercial, low intensity	0.2	0.034	1.4	10.8	0.0034	0.0176
1548	A	11.33	Commercial, low intensity	101.8	15.446	664.4	4961.6	1.5532	8.1111
1549	A	2.20	Commercial, low intensity	19.7	2.995	128.8	962.2	0.3012	1.5730
1550	A	0.60	Commercial, low intensity	5.4	0.816	35.1	262.0	0.0820	0.4283
1551	D	1.18	Commercial, low intensity	11.3	1.716	73.8	551.2	0.1725	0.9011
1552	A	0.40	Commercial, low intensity	3.6	0.549	23.6	176.5	0.0553	0.2886
1553	A	1.17	Commercial, low intensity	10.5	1.599	68.8	513.8	0.1608	0.8400
1554	A	0.14	Agriculture, general	0.0	0.005	0.0	0.5	0.0002	0.0003
1555	A	0.01	Agriculture, general	0.0	0.000	0.0	0.0	0.0000	0.0000
1556	A	0.18	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1557	A	0.18	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000

Outfall: FDOT-35-155
Receiving Body of Water: Lake Parker
County: POLK
State Road: SR 98

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1558	A	0.64	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1559	A	0.69	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1560	A	0.54	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1561	B	0.01	Highway	0.1	0.011	0.3	1.9	0.0161	0.0063
1562	A	6.49	Highway	80.9	10.846	256.4	1839.0	15.7766	6.2120
1563	A	9.47	Highway	118.1	15.836	374.3	2685.0	23.0345	9.0698
1564	D	1.45	Highway	19.3	2.596	61.4	440.1	3.7754	1.4866
1565	A	2.34	Highway	29.1	3.906	92.3	662.3	5.6819	2.2372
1566	A	4.57	Highway	57.0	7.651	180.8	1297.1	11.1280	4.3817
Raw Pollutant Load Total (lb/yr) =				**941.9**	**161.1**	**4674.5**	**34070.8**	**64.9**	**59.7**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	9.4	1.611	46.7	340.7	0.6491	0.5969
Streetsweeping Removal (lb/yr)	2.8	1.822	0	0	0	0
Wet Pond Removal Efficiency (%)	20%	60%	50%	85%	60%	85%
Wet Pond Total Removal (lb/yr)	185.9	94.628	2313.9	28670.6	38.5538	50.2285

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	941.9	161.147	4674.5	34070.8	64.9053	59.6892
BMP Pollutant Load Reduction	198.2	98.061	2360.6	29011.3	39.2028	50.8253
Estimated Pollutant Load to Water Body	**743.7**	**63.1**	**2313.9**	**5059.5**	**25.7**	**8.9**

Outfall: OF16120-3504-03
Receiving Body of Water: Eagle Lake
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1567	A	5.94	Agriculture, citrus	1.2	0.094	1.3	8.0	0.0015	0.0062
1568	A	2.34	Agriculture, citrus	0.5	0.037	0.5	3.2	0.0006	0.0024
1569	A	1.41	Agriculture, citrus	0.3	0.022	0.3	1.9	0.0004	0.0015
1570	A	2.05	Agriculture, citrus	0.4	0.033	0.5	2.8	0.0005	0.0021
1571	A	4.04	Agriculture, citrus	0.8	0.064	0.9	5.4	0.0011	0.0042
1572	A	5.98	Agriculture, citrus	1.2	0.095	1.3	8.1	0.0016	0.0062
1573	A	0.63	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
1574	A	9.55	Undeveloped/Natural Areas	1.0	0.046	1.2	7.0	0.0000	0.0000
1575	A	0.85	Undeveloped/Natural Areas	0.1	0.004	0.1	0.6	0.0000	0.0000
1576	A	0.05	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1577	A	0.20	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1578	A	0.87	Undeveloped/Natural Areas	0.1	0.004	0.1	0.6	0.0000	0.0000
1579	A	0.28	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
1580	A	0.64	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
1581	A	2.85	Highway	35.5	4.767	112.7	808.3	6.9345	2.7304
1582	A	0.21	Highway	2.7	0.356	8.4	60.4	0.5179	0.2039
1583	A	1.06	Highway	13.3	1.779	42.0	301.6	2.5876	1.0188
Raw Pollutant Load Total (lb/yr) =				**57.0**	**7.3**	**169.6**	**1209.1**	**10.0**	**4.0**

Outfall: OF16120-3504-03
Receiving Body of Water: Eagle Lake
County: POLK
State Road: SR 540

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	0.6	0.073	1.7	12.1	0.1005	0.0398
Streetsweeping Removal (lb/yr)	0.3	0.201	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Dry Retention Pond Removal Efficiency, Eff2 (%)	60%	60%	60%	60%	60%	60%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	80%	80%	76%	88%	74%	88%
Treatment Train Total Removal (lb/yr)	44.9	5.629	127.6	1053.4	7.3594	3.4638

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	57.0	7.311	169.6	1209.1	10.0456	3.9759
BMP Pollutant Load Reduction	45.8	5.904	129.3	1065.5	7.4598	3.5036
Estimated Pollutant Load to Water Body	**11.2**	**1.4**	**40.3**	**143.6**	**2.6**	**0.5**

Outfall: OF16118-3503-03
Receiving Body of Water: Spirit Lake
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1584	A	1.87	Residential, low density	2.6	0.306	7.5	36.8	0.0128	0.0496
1585	A	0.04	Residential, low density	0.1	0.006	0.2	0.8	0.0003	0.0010
1586	B	1.60	Residential, medium density	10.6	1.671	40.4	191.6	0.0818	0.3168
1587	A	2.75	Residential, medium density	15.5	2.454	59.3	281.4	0.1201	0.4653
1588	A	2.00	Residential, medium density	11.3	1.791	43.3	205.4	0.0877	0.3396
1589	A	0.06	Residential, medium density	0.3	0.052	1.3	6.0	0.0026	0.0099
1590	A	0.09	Residential, medium density	0.5	0.079	1.9	9.0	0.0039	0.0149
1591	A	0.00	Commercial, low intensity	0.0	0.006	0.3	2.0	0.0006	0.0033
1592	A	0.15	Commercial, low intensity	1.3	0.203	8.8	65.4	0.0205	0.1068
1593	B	2.01	Commercial, low intensity	18.4	2.797	120.3	898.5	0.2813	1.4688
1594	A	1.44	Commercial, low intensity	13.0	1.967	84.6	631.7	0.1978	1.0327
1595	A	3.73	Commercial, low intensity	33.5	5.088	218.9	1634.3	0.5116	2.6718
1596	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1597	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1598	B	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1599	A	0.13	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1600	A	0.00	Commercial, low intensity	0.0	0.000	0.0	0.1	0.0000	0.0001
1601	A	0.00	Commercial, low intensity	0.0	0.002	0.1	0.7	0.0002	0.0012
1602	A	0.10	Undeveloped/Natural Areas	0.0	0.000	0.0	0.1	0.0000	0.0000
1603	A	0.07	Undeveloped/Natural Areas	0.0	0.000	0.0	0.1	0.0000	0.0000
1604	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1605	A	0.33	Undeveloped/Natural Areas	0.0	0.002	0.0	0.2	0.0000	0.0000
1606	A	0.52	Undeveloped/Natural Areas	0.1	0.002	0.1	0.4	0.0000	0.0000
1607	B	0.64	Undeveloped/Natural Areas	0.4	0.017	0.4	2.6	0.0000	0.0000
1608	A	0.15	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1609	A	3.47	Undeveloped/Natural Areas	0.3	0.017	0.4	2.5	0.0000	0.0000
1610	A	1.38	Undeveloped/Natural Areas	0.1	0.007	0.2	1.0	0.0000	0.0000
1611	A	9.57	Undeveloped/Natural Areas	1.0	0.046	1.2	7.0	0.0000	0.0000
1612	A	0.87	Water	0.0	0.000	0.0	0.0	0.0000	0.0000

Outfall: OF16118-3503-03
Receiving Body of Water: Spirit Lake
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1613	A	0.98	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1614	B	1.14	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1615	A	0.61	Highway	7.6	1.021	24.1	173.1	1.4850	0.5847
1616	A	0.84	Highway	10.5	1.412	33.4	239.4	2.0536	0.8086
1617	A	0.39	Highway	4.8	0.646	15.3	109.5	0.9392	0.3698
1618	A	1.49	Highway	18.6	2.499	59.1	423.6	3.6343	1.4310
1619	B	0.72	Highway	9.2	1.229	29.0	208.3	1.7874	0.7038
1620	B	3.02	Highway	38.6	5.174	122.3	877.2	7.5259	2.9633
1621	A	7.29	Highway	90.9	12.196	288.3	2067.8	17.7398	6.9850
1622	A	1.27	Highway	15.9	2.128	50.3	360.7	3.0946	1.2185
1623	A	0.01	Highway	0.2	0.022	0.5	3.8	0.0326	0.0128
Raw Pollutant Load Total (lb/yr) =				**305.4**	**42.8**	**1211.3**	**8441.3**	**39.6**	**21.6**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	3.1	0.428	12.1	84.4	0.3961	0.2156
Streetsweeping Removal (lb/yr)	4.5	2.887	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Wet Pond Removal Efficiency, Eff2 (%)	20%	60%	50%	85%	60%	85%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	60%	80%	70%	96%	74%	96%
Treatment Train Total Removal (lb/yr)	178.7	31.621	839.4	7980.8	29.0207	20.3835

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	305.4	42.841	1211.3	8441.3	39.6133	21.5596
BMP Pollutant Load Reduction	186.3	34.936	851.5	8065.3	29.4168	20.5991
Estimated Pollutant Load to Water Body	**119.1**	**7.9**	**359.7**	**376.1**	**10.2**	**1.0**

Outfall: OF16300-3511-01
Receiving Body of Water: Lake Rey
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1624	A	7.09	Residential, medium density	40.1	6.332	153.0	726.2	0.3098	1.2006
1625	A	0.22	Residential, medium density	1.2	0.197	4.8	22.6	0.0097	0.0374
1626	A	0.04	Residential, high density	0.5	0.122	2.6	18.2	0.0021	0.0201
1627	A	7.07	Commercial, low intensity	63.5	9.629	414.2	3093.2	0.9683	5.0568
1628	D	0.06	Commercial, low intensity	0.6	0.084	3.6	27.1	0.0085	0.0443
1629	A	0.00	Commercial, low intensity	0.0	0.000	0.0	0.0	0.0000	0.0001
1630	A	6.25	Commercial, low intensity	56.1	8.516	366.3	2735.6	0.8564	4.4721
1631	A	0.05	Commercial, low intensity	0.5	0.072	3.1	23.2	0.0072	0.0379
1632	A	2.78	Highway	34.7	4.653	110.0	788.9	6.7681	2.6650
1633	A	1.18	Highway	14.7	1.974	46.7	334.7	2.8713	1.1306
1634	A	1.32	Undeveloped/Natural Areas	0.1	0.006	0.2	1.0	0.0000	0.0000
1635	A	0.17	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
Raw Pollutant Load Total (lb/yr) =				**212.1**	**31.6**	**1104.5**	**7770.8**	**11.8**	**14.7**

Outfall: OF16300-3511-01
Receiving Body of Water: Lake Rey
County: POLK
State Road: SR 540

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	2.1	0.316	11.0	77.7	0.1180	0.1466
Streetsweeping Removal (lb/yr)	0.4	0.280	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Dry Retention Pond Removal Efficiency, Eff2 (%)	60%	60%	60%	60%	60%	60%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	80%	80%	76%	88%	74%	88%
Treatment Train Total Removal (lb/yr)	167.6	24.793	831.0	6770.0	8.6458	12.7760

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	212.1	31.588	1104.5	7770.8	11.8015	14.6648
BMP Pollutant Load Reduction	170.2	25.389	842.1	6847.7	8.7638	12.9226
Estimated Pollutant Load to Water Body	**41.9**	**6.2**	**262.4**	**923.2**	**3.0**	**1.7**

Outfall: OF16300-3511-03
Receiving Body of Water: Lake Roy
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1636	A	2.16	Residential, low density	3.0	0.354	8.7	42.6	0.0148	0.0574
1637	A	0.22	Residential, medium density	1.2	0.196	4.7	22.4	0.0096	0.0371
1638	A	0.02	Residential, high density	0.3	0.065	1.4	9.8	0.0011	0.0108
1639	A	0.41	Commercial, low intensity	3.6	0.554	23.8	177.8	0.0557	0.2907
1640	A	0.01	Commercial, low intensity	0.1	0.020	0.9	6.4	0.0020	0.0104
1641	A	0.59	Commercial, low intensity	5.3	0.804	34.6	258.2	0.0808	0.4221
1642	A	1.20	Commercial, low intensity	10.8	1.642	70.6	527.4	0.1651	0.8622
1643	A	0.36	Commercial, low intensity	3.3	0.497	21.4	159.8	0.0500	0.2612
1644	A	0.57	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1645	A	1.51	Highway	18.9	2.531	59.8	429.2	3.6817	1.4497
1646	A	5.22	Highway	65.1	8.732	206.4	1480.4	12.7004	5.0008
1647	A	0.16	Highway	2.0	0.270	6.4	45.8	0.3925	0.1546
Raw Pollutant Load Total (lb/yr) =				**113.7**	**15.7**	**438.7**	**3159.7**	**17.2**	**8.6**

Outfall: OF16300-3511-03
Receiving Body of Water: Lake Roy
County: POLK
State Road: SR 540

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	1.1	0.157	4.4	31.6	0.1715	0.0856
Streetsweeping Removal (lb/yr)	0.9	0.546	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Wet Pond Removal Efficiency, Eff2 (%)	20%	60%	50%	85%	60%	85%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	60%	80%	70%	96%	74%	96%
Treatment Train Total Removal (lb/yr)	67.0	11.969	304.0	2987.4	12.5669	8.0903

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	113.7	15.664	438.7	3159.7	17.1538	8.5570
BMP Pollutant Load Reduction	69.0	12.672	308.4	3019.0	12.7384	8.1758
Estimated Pollutant Load to Water Body	**44.7**	**3.0**	**130.3**	**140.8**	**4.4**	**0.4**

Outfall: OF16300-3511-05
Receiving Body of Water: Lake Elizabeth
County: POLK
State Road: SR 540

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1648	A	6.40	Residential, medium density	36.2	5.719	138.2	655.8	0.2798	1.0843
1649	A	1.27	Commercial, low intensity	11.4	1.730	74.4	555.8	0.1740	0.9087
1650	A	5.14	Commercial, low intensity	46.2	7.001	301.2	2249.0	0.7040	3.6766
1651	A	2.09	Highway	26.0	3.493	82.6	592.1	5.0801	2.0003
Raw Pollutant Load Total (lb/yr) =				**119.8**	**17.9**	**596.3**	**4052.8**	**6.2**	**7.7**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	1.2	0.179	6.0	40.5	0.0624	0.0767
Streetsweeping Removal (lb/yr)	0.1	0.080	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Dry Retention Pond Removal Efficiency, Eff2 (%)	60%	60%	60%	60%	60%	60%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	80%	80%	76%	88%	74%	88%
Treatment Train Total Removal (lb/yr)	94.8	14.147	448.7	3530.8	4.5699	6.6819

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	119.8	17.943	596.3	4052.8	6.2379	7.6698
BMP Pollutant Load Reduction	96.1	14.406	454.6	3571.3	4.6323	6.7586
Estimated Pollutant Load to Water Body	**23.7**	**3.5**	**141.7**	**481.5**	**1.6**	**0.9**

Outfall: OF16320-3409-01
Receiving Body of Water: Wetland
County: POLK
State Road: SR 400

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1652	A	0.08	Undeveloped/Natural Areas	0.0	0.000	0.0	0.1	0.0000	0.0000
1653	A	0.71	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
1654	B	0.72	Undeveloped/Natural Areas	0.4	0.019	0.5	2.9	0.0000	0.0000
1655	A	2.34	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1656	A	0.01	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1657	A	0.02	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1658	B	0.19	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1659	A	0.65	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
1660	A	9.98	Highway	124.4	16.694	394.6	2830.4	24.2825	9.5612
1661	A	1.99	Highway	24.8	3.326	78.6	563.9	4.8377	1.9048
1662	A	16.36	Highway	204.0	27.365	646.8	4639.6	39.8034	15.6726
1663	B	0.32	Highway	4.1	0.546	12.9	92.6	0.7941	0.3127
Raw Pollutant Load Total (lb/yr) =				**357.8**	**48.0**	**1133.6**	**8130.4**	**69.7**	**27.5**

Outfall: OF16320-3409-01
Receiving Body of Water: Wetland
County: POLK
State Road: SR 400

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	3.6	0.480	11.3	81.3	0.6972	0.2745
Streetsweeping Removal (lb/yr)	3.5	2.240	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Wet Pond Removal Efficiency, Eff2 (%)	20%	60%	50%	85%	60%	85%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	60%	80%	70%	96%	74%	96%
Treatment Train Total Removal (lb/yr)	210.5	36.189	785.6	7686.9	51.0751	25.9538

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	357.8	47.957	1133.6	8130.4	69.7176	27.4513
BMP Pollutant Load Reduction	217.5	38.909	796.9	7768.2	51.7723	26.2283
Estimated Pollutant Load to Water Body	**140.3**	**9.0**	**336.7**	**362.2**	**17.9**	**1.2**

Outfall: FDOT-35-45
Receiving Body of Water: Peace River
County: POLK
State Road: SR 35

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1664	A	0.24	Residential, low density	0.3	0.039	1.0	4.7	0.0016	0.0064
1665	A	0.37	Residential, low density	0.5	0.060	1.5	7.2	0.0025	0.0097
1666	A	0.06	Residential, low density	0.1	0.011	0.3	1.3	0.0004	0.0017
1667	A	25.23	Residential, medium density	142.7	22.545	544.7	2585.4	1.1031	4.2745
1668	A	7.85	Residential, medium density	44.4	7.013	169.4	804.3	0.3432	1.3298
1669	A	0.06	Residential, medium density	0.4	0.056	1.3	6.4	0.0027	0.0106
1670	A	0.43	Commercial, low intensity	3.9	0.587	25.2	188.4	0.0590	0.3080
1671	A	0.36	Commercial, low intensity	3.2	0.489	21.1	157.2	0.0492	0.2570
1672	A	5.00	Commercial, low intensity	44.9	6.818	293.3	2190.2	0.6856	3.5805
1673	A	1.32	Commercial, low intensity	11.9	1.800	77.4	578.2	0.1810	0.9452
1674	A	0.10	Agriculture, general	0.0	0.004	0.0	0.4	0.0001	0.0002
1675	B	0.19	Agriculture, general	0.3	0.040	0.4	4.0	0.0012	0.0019
1676	A	0.05	Agriculture, general	0.0	0.002	0.0	0.2	0.0001	0.0001
1677	A	0.00	Agriculture, general	0.0	0.000	0.0	0.0	0.0000	0.0000
1678	A	0.17	Agriculture, general	0.0	0.006	0.1	0.6	0.0002	0.0003
1679	B	0.01	Agriculture, general	0.0	0.002	0.0	0.2	0.0001	0.0001
1680	A	8.41	Agriculture, general	2.0	0.315	2.8	31.6	0.0095	0.0153
1681	A	0.18	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1682	A	0.21	Highway	2.6	0.351	8.3	59.6	0.5112	0.2013
1683	B	0.40	Highway	5.1	0.680	16.1	115.3	0.9889	0.3894
1684	A	0.42	Highway	5.2	0.704	16.6	119.4	1.0241	0.4032
1685	A	0.72	Highway	9.0	1.204	28.5	204.1	1.7508	0.6894
1686	A	0.45	Highway	5.6	0.751	17.7	127.3	1.0918	0.4299
1687	A	0.60	Highway	7.4	0.998	23.6	169.1	1.4510	0.5713
Raw Pollutant Load Total (lb/yr) =				**289.6**	**44.5**	**1249.2**	**7355.2**	**9.3**	**13.4**

Outfall: FDOT-35-45
Receiving Body of Water: Peace River
County: POLK
State Road: SR 35

Water Quality Treatment Summary						
Best Management Practice	**TN**	**TP**	**BOD_5**	**TSS**	**Total Cu**	**Total Zn**
1 % Education Credit Removal (lb/yr)	2.9	0.445	12.5	73.6	0.0926	0.1343
Streetsweeping Removal (lb/yr)	2.2	1.418	0	0	0	0
Grassed Swale Removal Efficiency (%)	50%	50%	40%	70%	35%	70%
Grassed Swale Total Removal (lb/yr)	142.3	21.306	494.7	5097.1	3.2077	9.3042

Overall Summary						
Totals	**TN (lb/yr)**	**TP (lb/yr)**	**BOD_5 (lb/yr)**	**TSS (lb/yr)**	**Total Cu (lb/yr)**	**Total Zn (lb/yr)**
Raw Pollutant Load	289.6	44.475	1249.2	7355.2	9.2574	13.4260
BMP Pollutant Load Reduction	147.4	23.169	507.2	5170.7	3.3003	9.4385
Estimated Pollutant Load to Water Body	**142.3**	**21.3**	**742.0**	**2184.5**	**6.0**	**4.0**

Outfall: Polk4
Receiving Body of Water: Wetland
County: POLK
State Road: SR 400

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1745	A	0.44	Residential, medium density	2.5	0.389	9.4	44.6	0.0190	0.0738
1746	A	2.16	Residential, medium density	12.2	1.928	46.6	221.1	0.0943	0.3655
1747	A	1.87	Industrial, light	17.1	3.706	108.3	855.3	0.0428	0.8126
1748	A	0.00	Industrial, light	0.0	0.004	0.1	1.0	0.0001	0.0010
1749	A	1.76	Industrial, light	16.1	3.492	102.1	805.9	0.0403	0.7656
1750	A	1.68	Industrial, light	15.3	3.324	97.2	767.1	0.0384	0.7288
1751	D	0.42	Industrial, light	4.1	0.881	25.7	203.2	0.0102	0.1931
1752	A	1.26	Agriculture, general	0.3	0.047	0.4	4.7	0.0014	0.0023
1753	A	0.55	Agriculture, general	0.1	0.021	0.2	2.1	0.0006	0.0010
1754	A	2.48	Agriculture, general	0.6	0.093	0.8	9.3	0.0028	0.0045
1755	A	0.27	Agriculture, general	0.1	0.010	0.1	1.0	0.0003	0.0005
1756	C	0.00	Agriculture, general	0.0	0.002	0.0	0.2	0.0000	0.0001
1757	A	0.31	Undeveloped/Natural Areas	0.0	0.001	0.0	0.2	0.0000	0.0000
1758	A	0.09	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1759	A	0.60	Water	0.0	0.000	0.0	0.0	0.0000	0.0000
1760	A	0.01	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1761	A	0.00	Undeveloped/Natural Areas	0.0	0.000	0.0	0.0	0.0000	0.0000
1762	A	0.62	Undeveloped/Natural Areas	0.1	0.003	0.1	0.5	0.0000	0.0000
1763	A	0.60	Undeveloped/Natural Areas	0.1	0.003	0.1	0.4	0.0000	0.0000
1764	C	0.41	Undeveloped/Natural Areas	0.5	0.024	0.6	3.7	0.0000	0.0000
1765	A	0.15	Undeveloped/Natural Areas	0.0	0.001	0.0	0.1	0.0000	0.0000
1766	A	0.49	Undeveloped/Natural Areas	0.0	0.002	0.1	0.4	0.0000	0.0000
1767	A	20.14	Highway	251.1	33.681	796.1	5710.4	48.9900	19.2898
1768	A	4.17	Highway	52.0	6.981	165.0	1183.7	10.1548	3.9985
1769	A	2.39	Highway	29.7	3.991	94.3	676.6	5.8045	2.2855
1770	A	0.32	Highway	4.0	0.535	12.6	90.7	0.7778	0.3063
1771	A	2.54	Highway	31.6	4.241	100.2	719.1	6.1691	2.4291
1772	A	0.48	Highway	5.9	0.795	18.8	134.8	1.1569	0.4555
1773	A	1.91	Highway	23.8	3.197	75.6	542.0	4.6498	1.8309

Outfall: Polk4
Receiving Body of Water: Wetland
County: POLK
State Road: SR 400

Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1774	C	0.31	Highway	4.0	0.539	12.7	91.3	0.7835	0.3085
Raw Pollutant Load Total (lb/yr) =				**471.4**	**67.9**	**1667.3**	**12069.5**	**78.7**	**33.9**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	4.7	0.679	16.7	120.7	0.7874	0.3385
Streetsweeping Removal (lb/yr)	1.9	1.192	0	0	0	0
Grassed Swale Removal Efficiency, Eff1 (%)	50%	50%	40%	70%	35%	70%
Wet Pond Removal Efficiency, Eff2 (%)	20%	60%	50%	85%	60%	85%
Treatment Train Removal Efficiency Eff=Eff1+(1-Eff1)*Eff2) (%)	60%	80%	70%	96%	74%	96%
Treatment Train Total Removal (lb/yr)	278.9	52.816	1155.4	11411.1	57.6824	32.0060

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	471.4	67.892	1667.3	12069.5	78.7366	33.8527
BMP Pollutant Load Reduction	285.5	54.688	1172.1	11531.8	58.4698	32.3446
Estimated Pollutant Load to Water Body	**185.9**	**13.2**	**495.2**	**537.7**	**20.3**	**1.5**

Outfall: Polk5
Receiving Body of Water: Wetland
County: POLK
State Road: SR 539

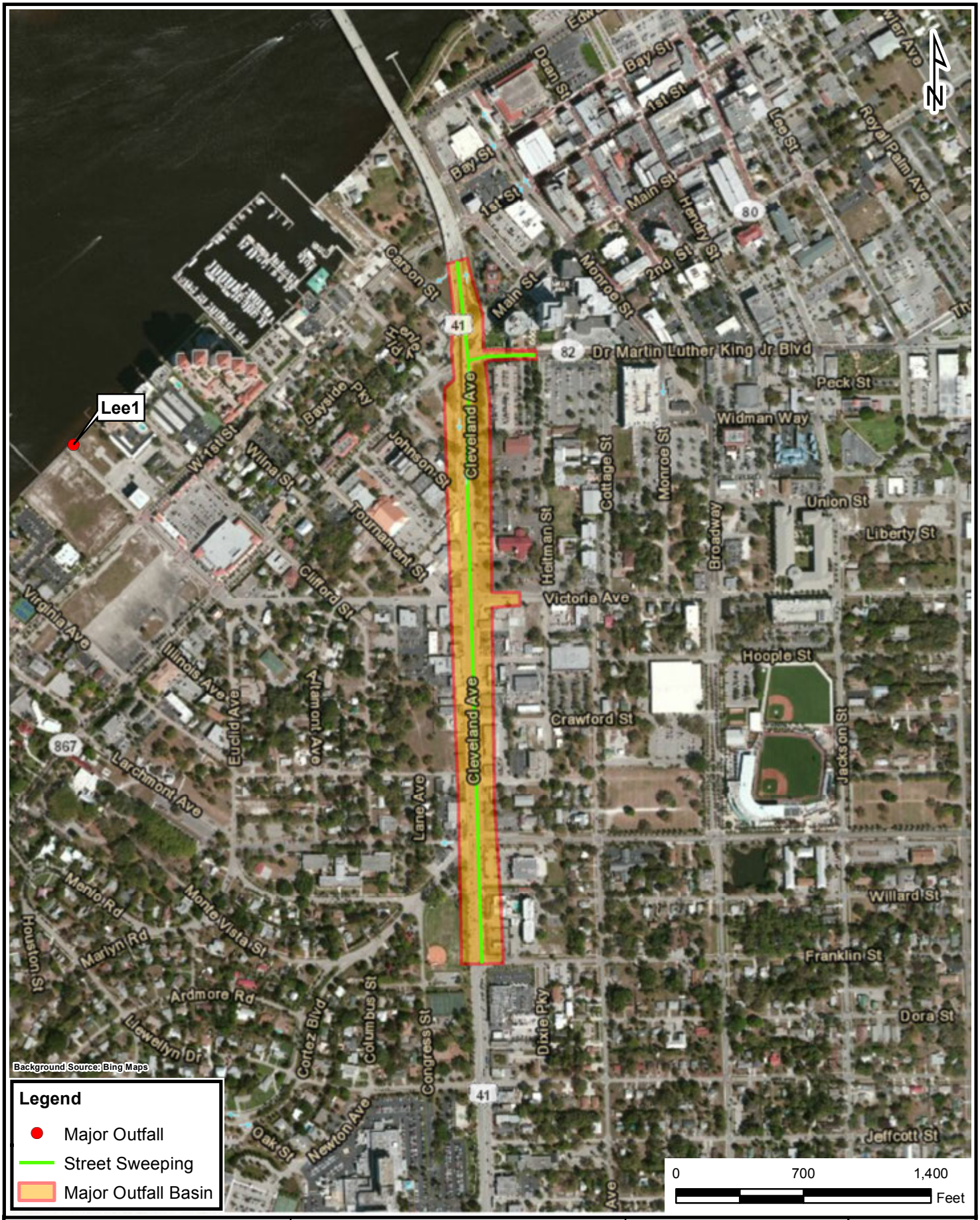
Water Quality Summary									
GIS ID	Soil Hydrologic Group	Basin Area (acres)	Land Use Description	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
1775	A	1.64	Residential, medium density	9.3	1.463	35.3	167.8	0.0716	0.2774
1776	B	7.01	Industrial, light	65.3	14.141	413.3	3263.2	0.1632	3.1000
1777	A	0.94	Industrial, light	8.6	1.869	54.6	431.3	0.0216	0.4097
1778	A	10.61	Industrial, light	96.9	21.003	613.9	4846.9	0.2423	4.6046
1779	A	1.75	Industrial, light	16.0	3.468	101.4	800.2	0.0400	0.7602
1780	A	2.28	Undeveloped/Natural Areas	0.2	0.011	0.3	1.7	0.0000	0.0000
1781	A	0.31	Undeveloped/Natural Areas	0.0	0.002	0.0	0.2	0.0000	0.0000
1782	B	0.10	Commercial, low intensity	0.9	0.136	5.9	43.8	0.0137	0.0716
1783	A	0.10	Commercial, low intensity	0.9	0.131	5.7	42.2	0.0132	0.0690
1784	A	2.27	Highway	28.2	3.789	89.6	642.4	5.5111	2.1700
Raw Pollutant Load Total (lb/yr) =				**226.4**	**46.0**	**1320.0**	**10239.7**	**6.1**	**11.5**

Water Quality Treatment Summary						
Best Management Practice	TN	TP	BOD_5	TSS	Total Cu	Total Zn
1 % Education Credit Removal (lb/yr)	2.3	0.460	13.2	102.4	0.0608	0.1146
Streetsweeping Removal (lb/yr)	0.0	0.000	0	0	0	0
No Structural Treatment (%)	0%	0%	0%	0%	0%	0%

Overall Summary						
Totals	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Raw Pollutant Load	226.4	46.012	1320.0	10239.7	6.0767	11.4626
BMP Pollutant Load Reduction	2.3	0.460	13.2	102.4	0.0608	0.1146
Estimated Pollutant Load to Water Body	**224.1**	**45.6**	**1306.8**	**10137.3**	**6.0**	**11.3**

Section E:

Major Outfall Drainage Maps



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FDOT

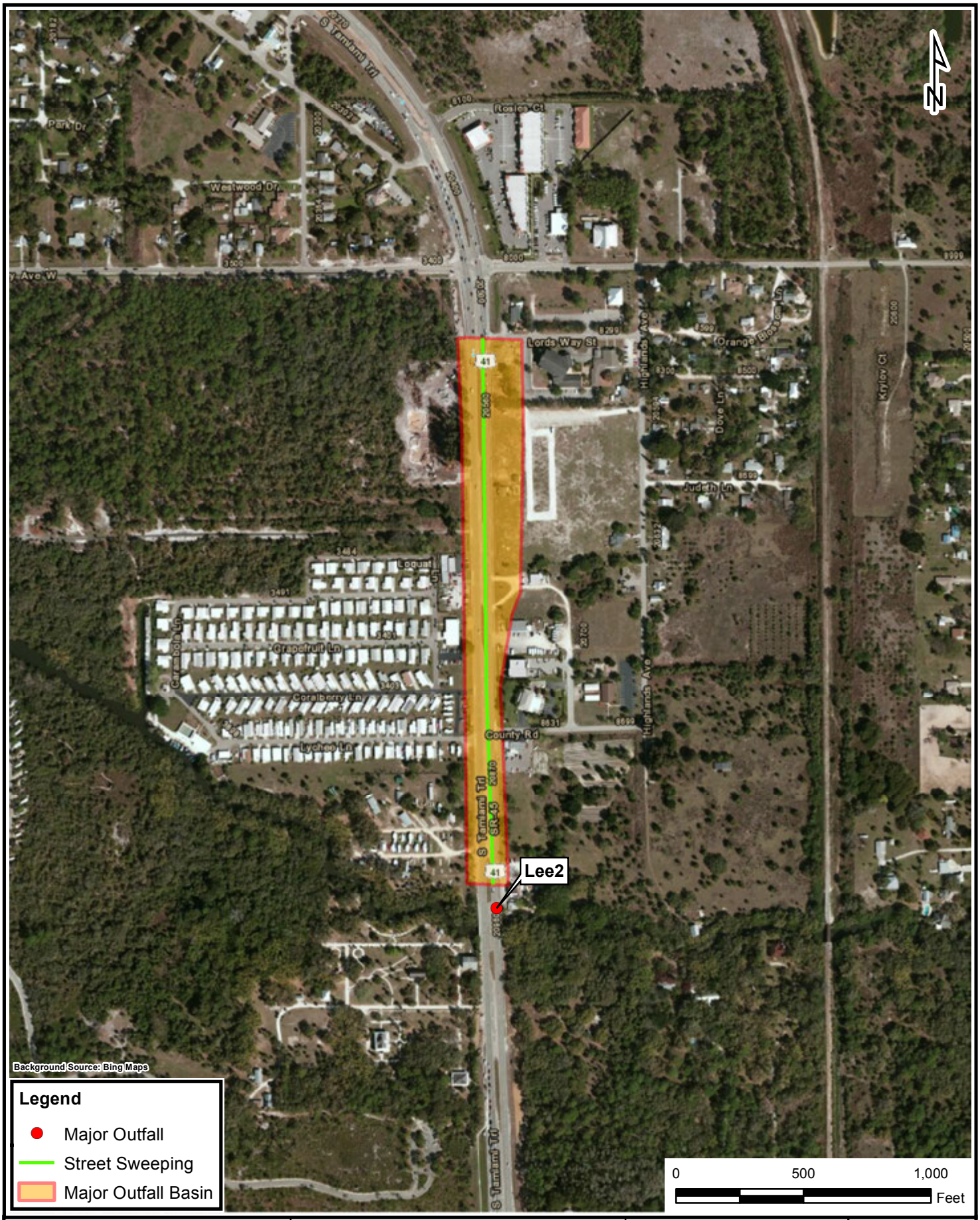
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Lee County Major Outfalls

Major Outfall ID: Lee1

SCALE: 1 "=700 '	DATE: 2/26/2014

FIGURE 1



FDOT

Lee County Major Outfalls

Major Outfall ID: Lee2

FIGURE 2

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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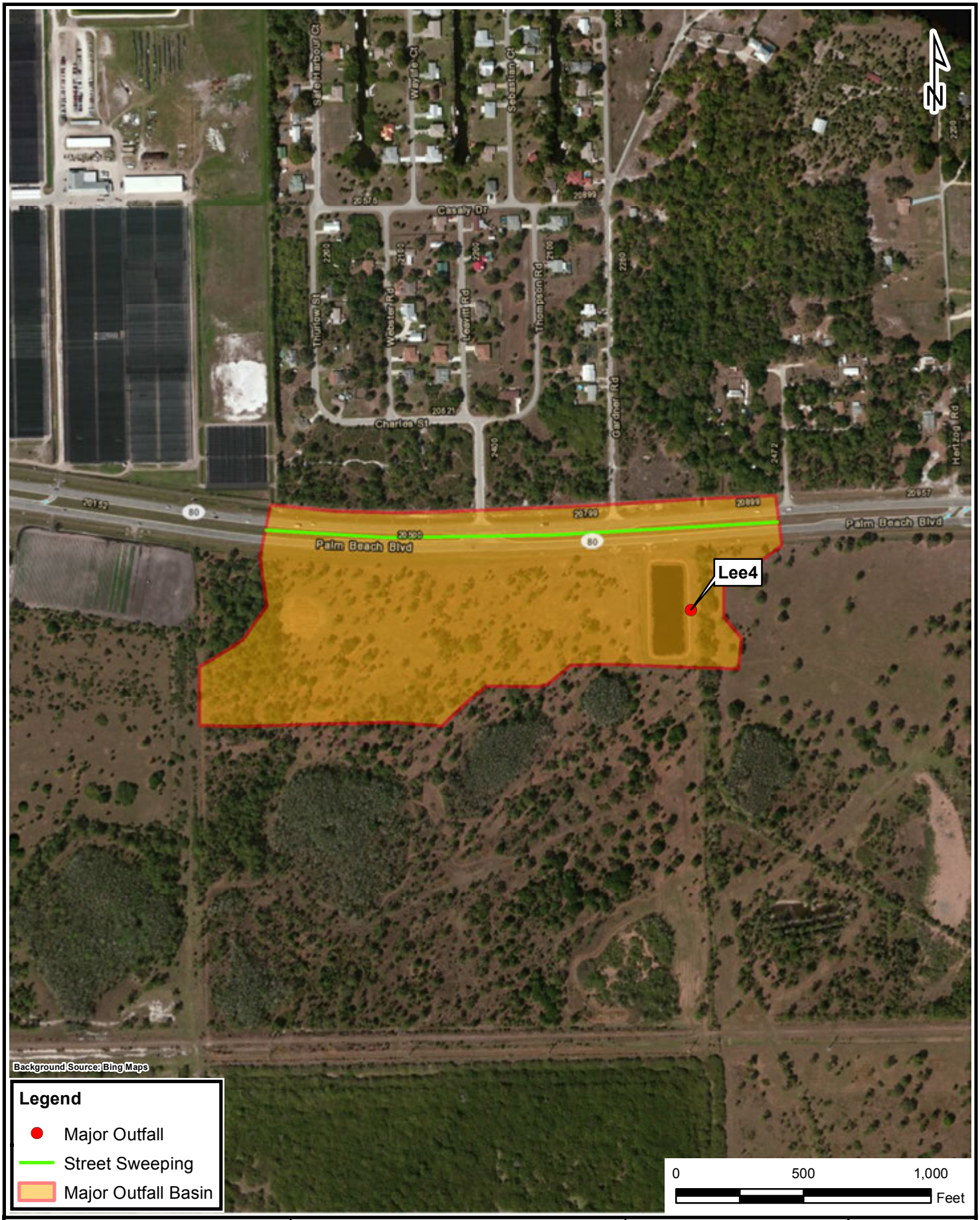

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FDOT

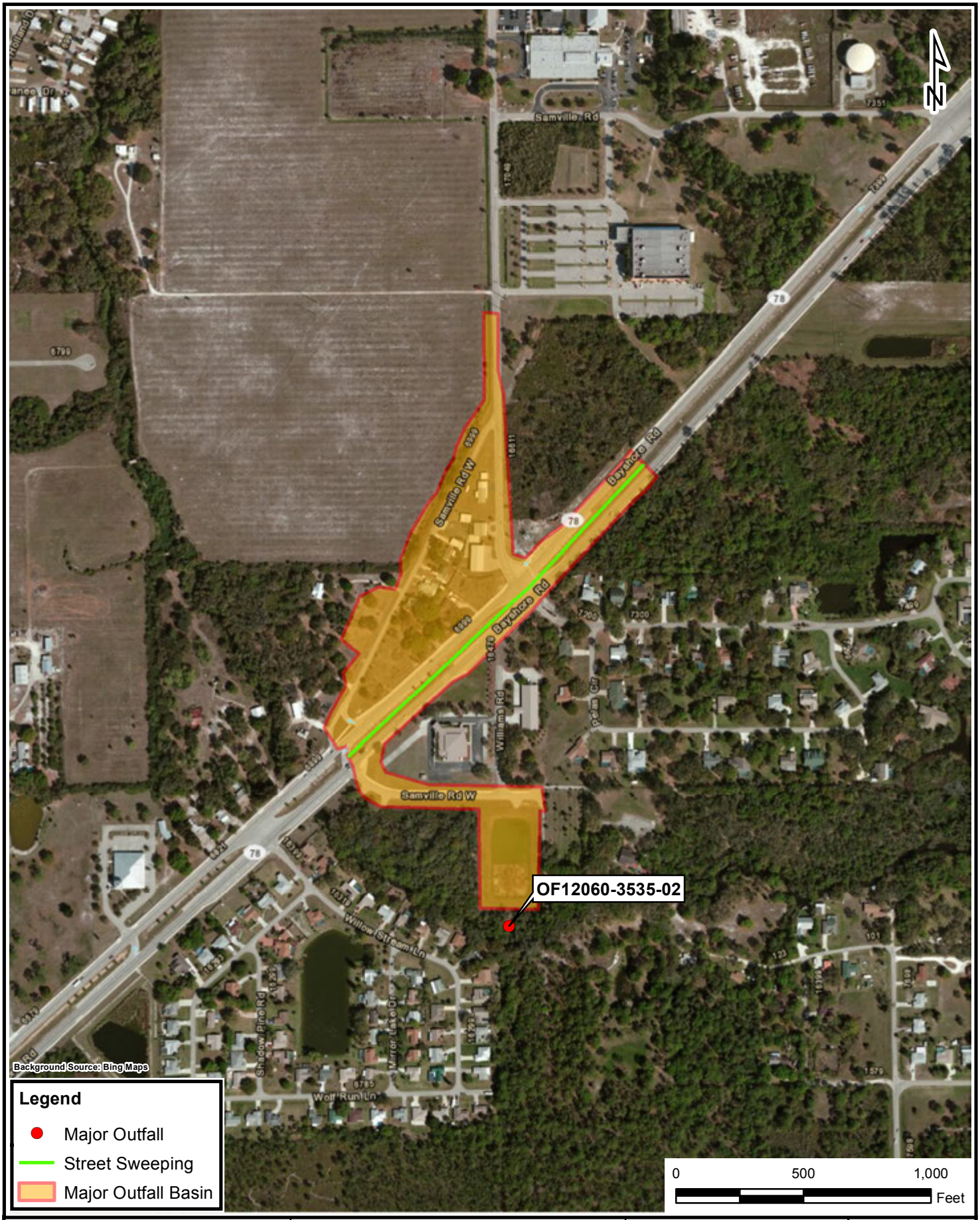
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Lee County Major Outfalls

Major Outfall ID: Lee4

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE 3



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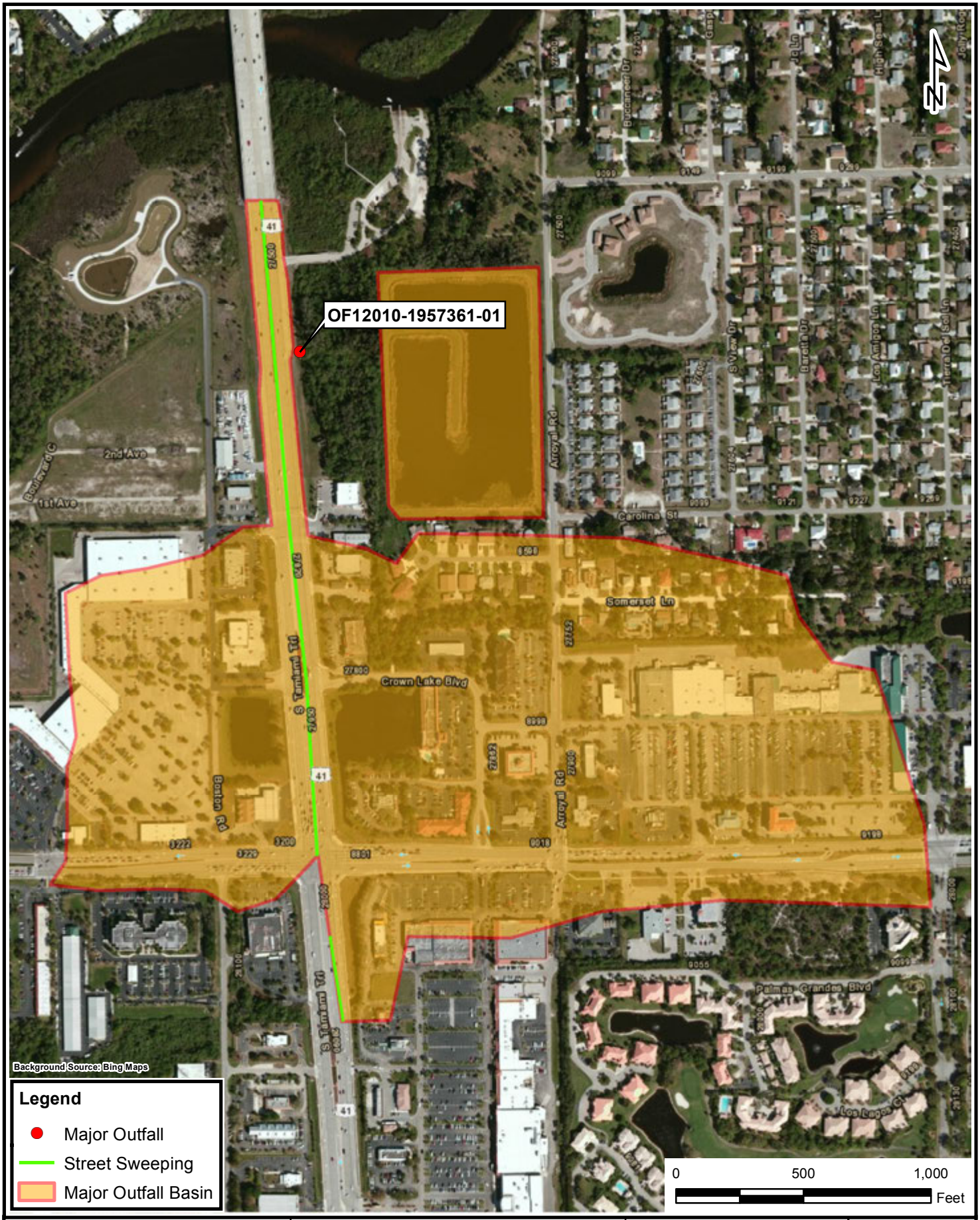
FDOT			LEE County Major Outfalls	Major Outfall ID: OF12060-3535-02	FIGURE 4
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014



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FDOT

Lee County Major Outfalls

Major Outfall ID: OF12010-1957361-01

FIGURE 5

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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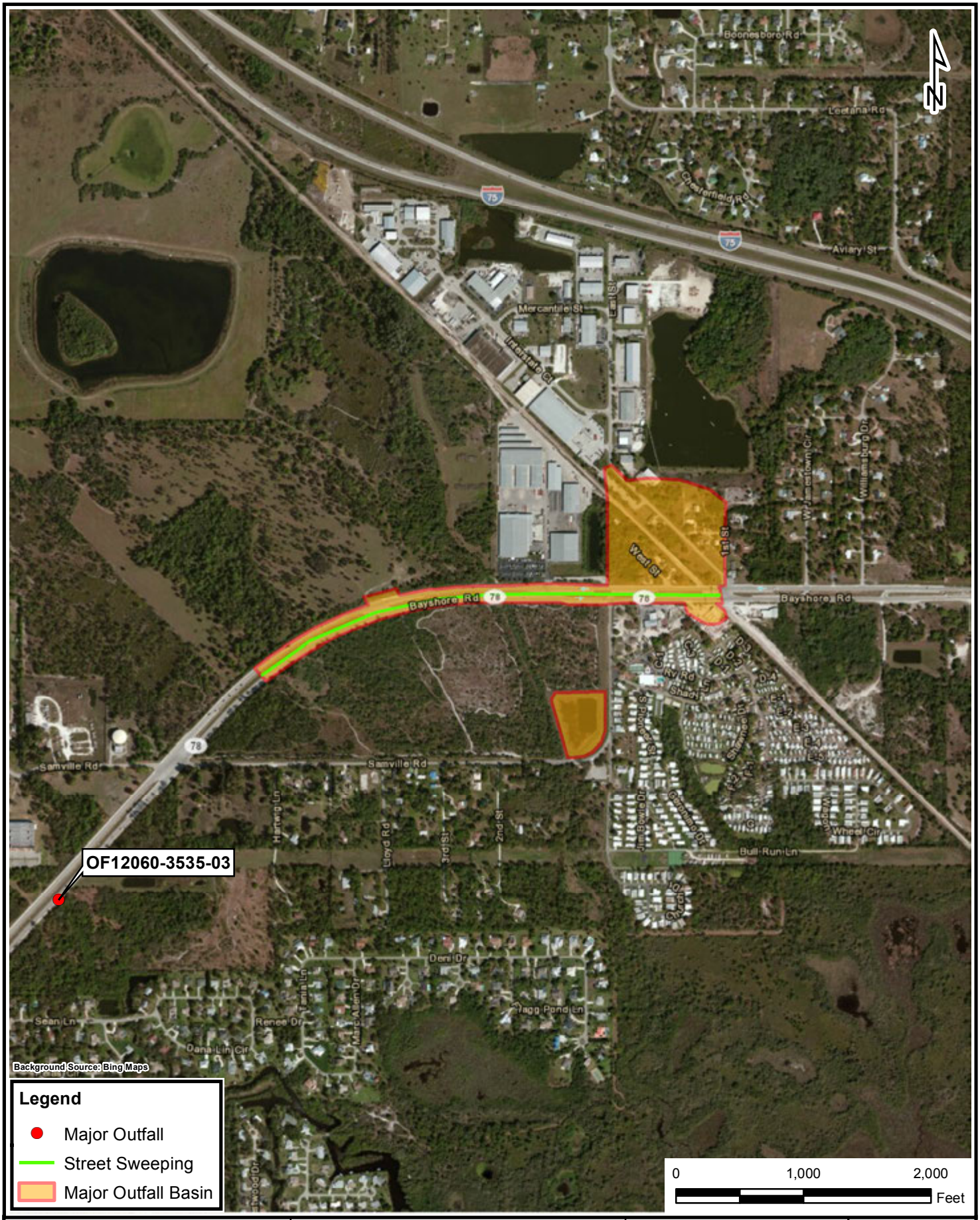
FDOT

Lee County Major Outfalls

Major Outfall ID: OF12020-1956101-11

FIGURE 6

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=1,000 '	DATE: 2/26/2014



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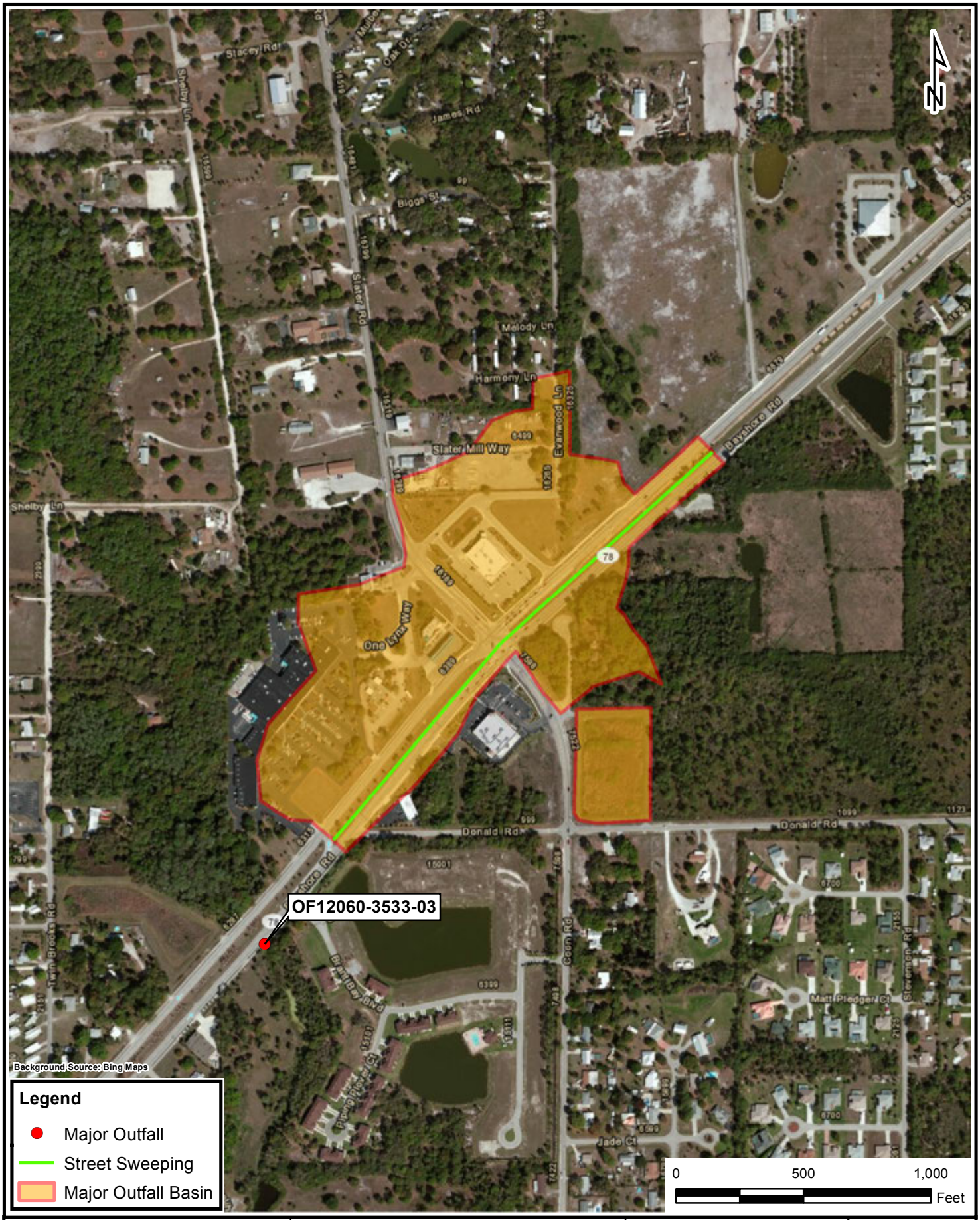
FDOT		**Lee County Major Outfalls**	Major Outfall ID: OF12060-3535-03		FIGURE 7
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=1,000 '	DATE: 2/26/2014	



FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

LEE County Major Outfalls

Major Outfall ID: OF12060-3533-03

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE 8

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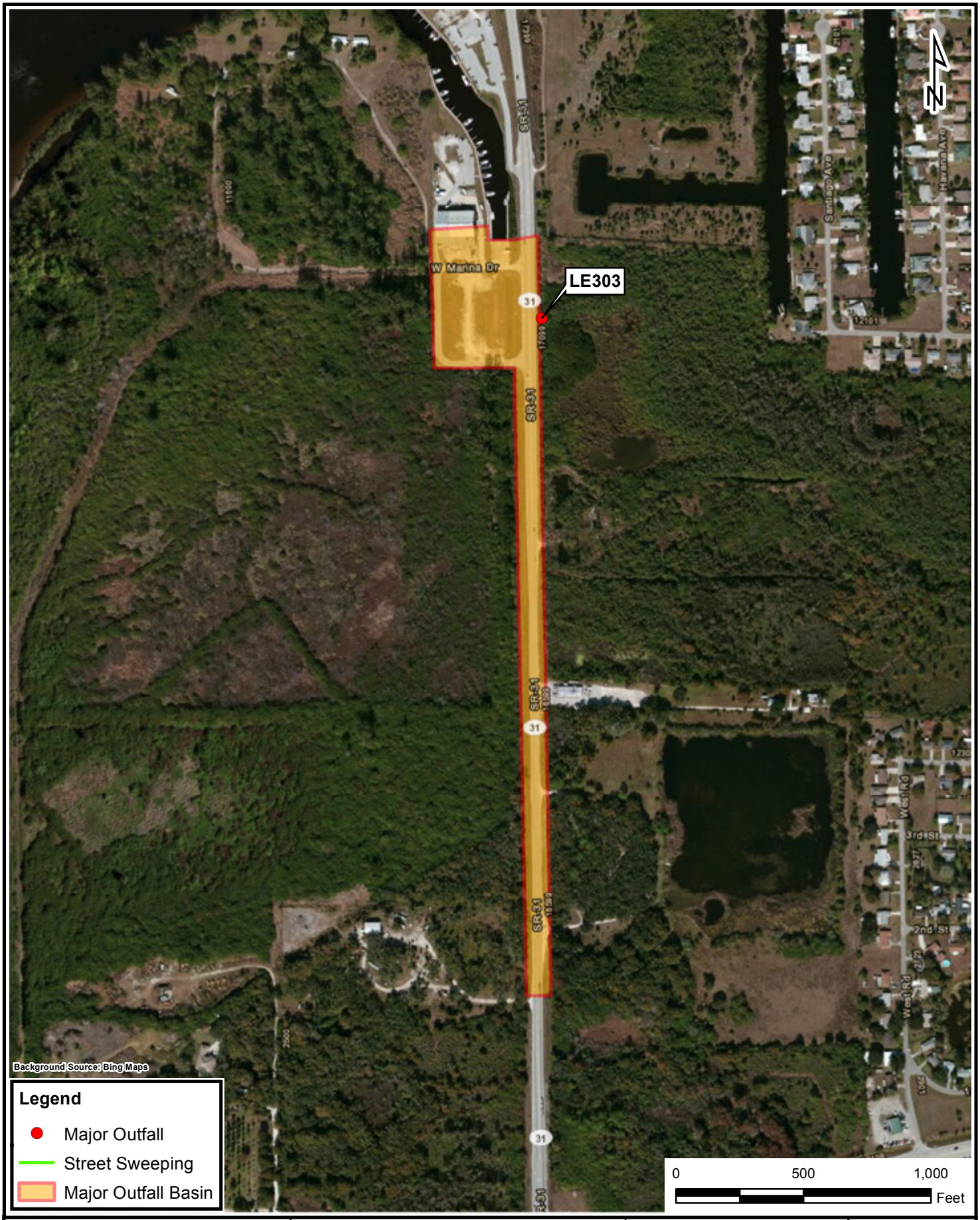

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FDOT			**LEE County Major Outfalls**	Major Outfall ID: LE303	FIGURE 9
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014

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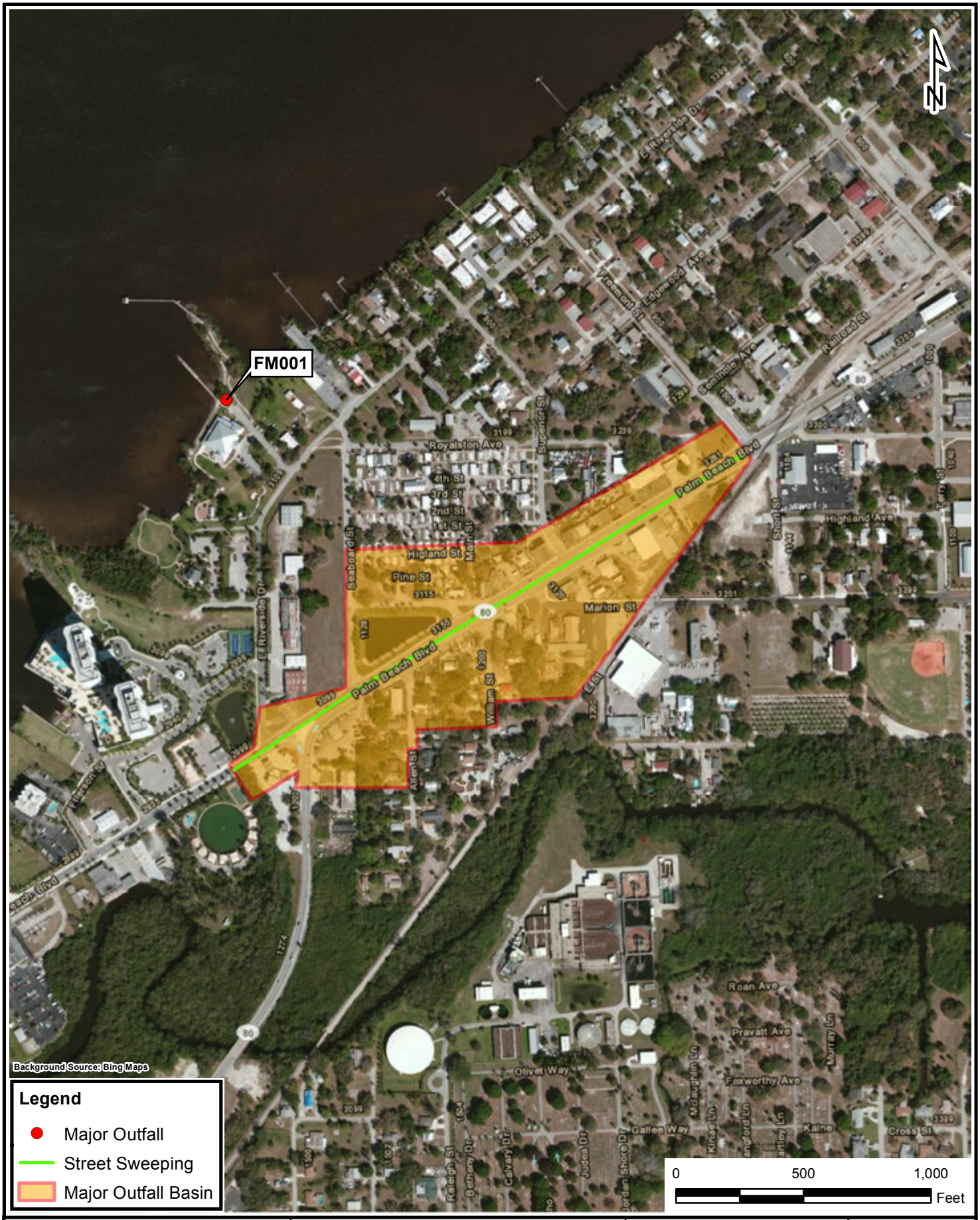
FDOT

Lee County Major Outfalls

Major Outfall ID: OF289

FIGURE 10

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014



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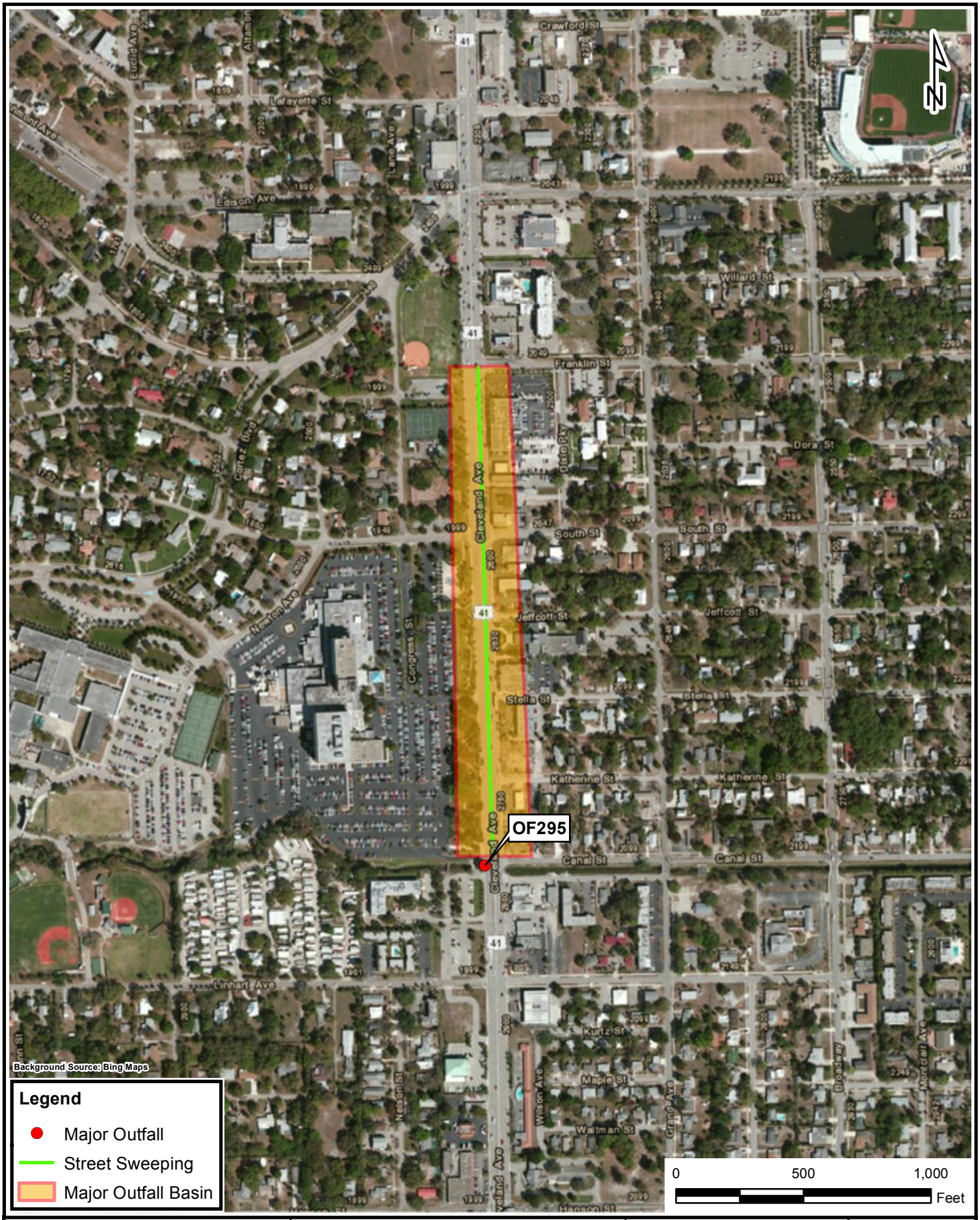
FDOT			**Lee County Major Outfalls**	Major Outfall ID: FM001	FIGURE 11
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014



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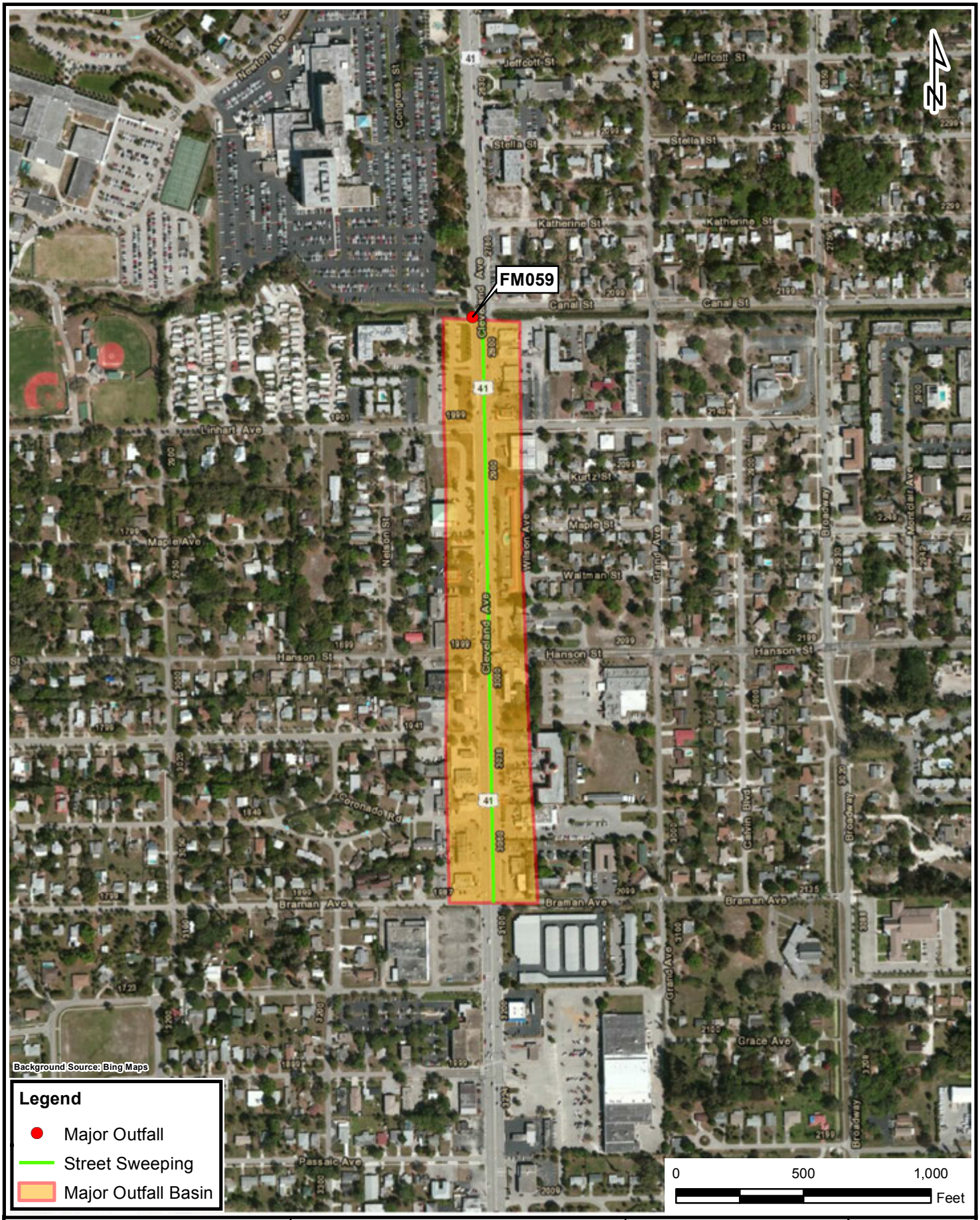
FDOT

Lee County Major Outfalls

Major Outfall ID: OF295

FIGURE 12

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014



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FDOT

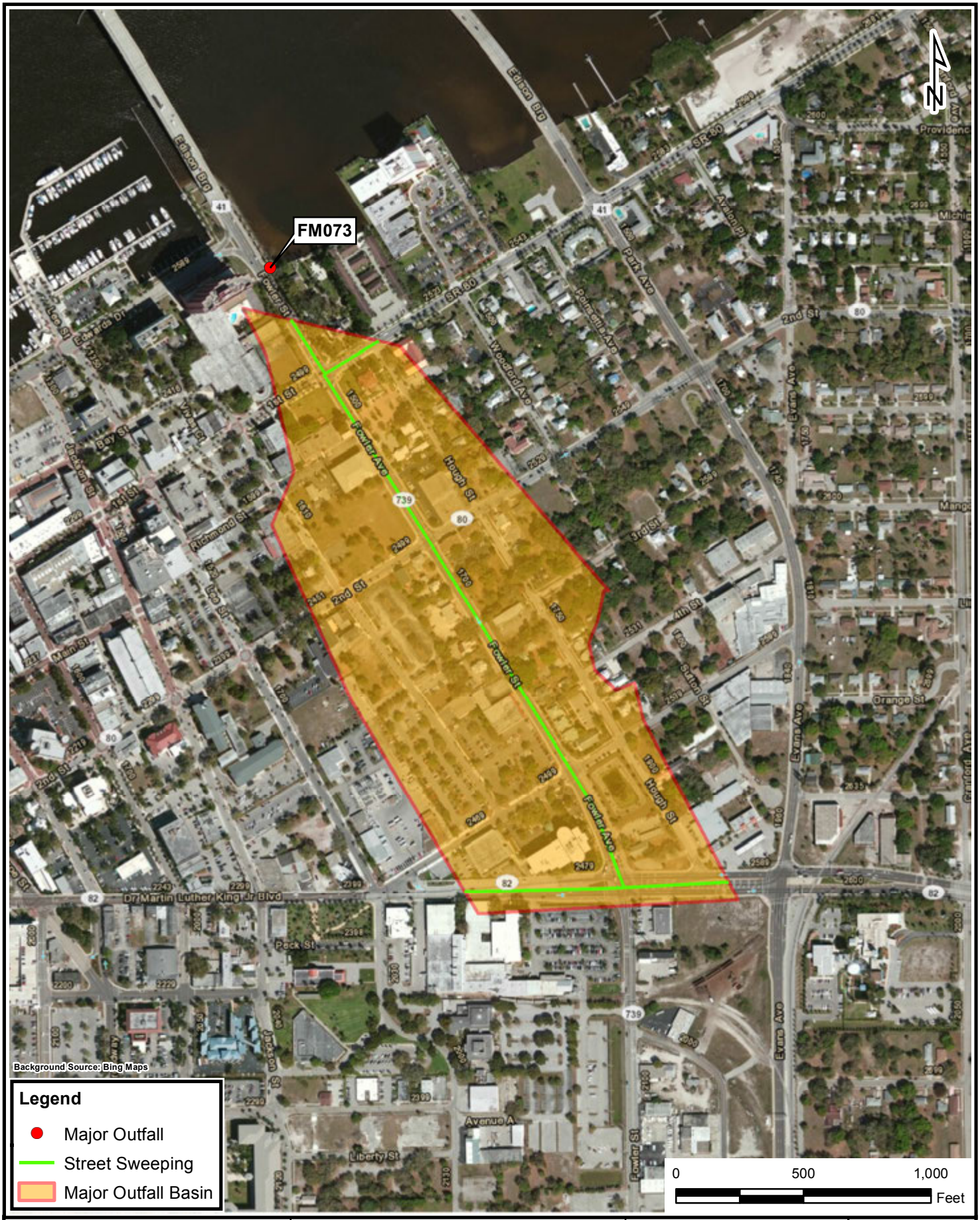
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Lee County Major Outfalls

Major Outfall ID: FM059

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE 13



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FDOT

Lee County Major Outfalls

Major Outfall ID: FM073

FIGURE 14

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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FDOT			**Lee County Major Outfalls**	Major Outfall ID: FM078	FIGURE 15
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014

FDOT

Lee County Major Outfalls

Major Outfall ID: OFS206

FIGURE 16

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Lee County Major Outfalls

Major Outfall ID: OF12020-3530-02

SCALE: 1 "=700 '	DATE: 2/26/2014

FIGURE

17

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FDOT

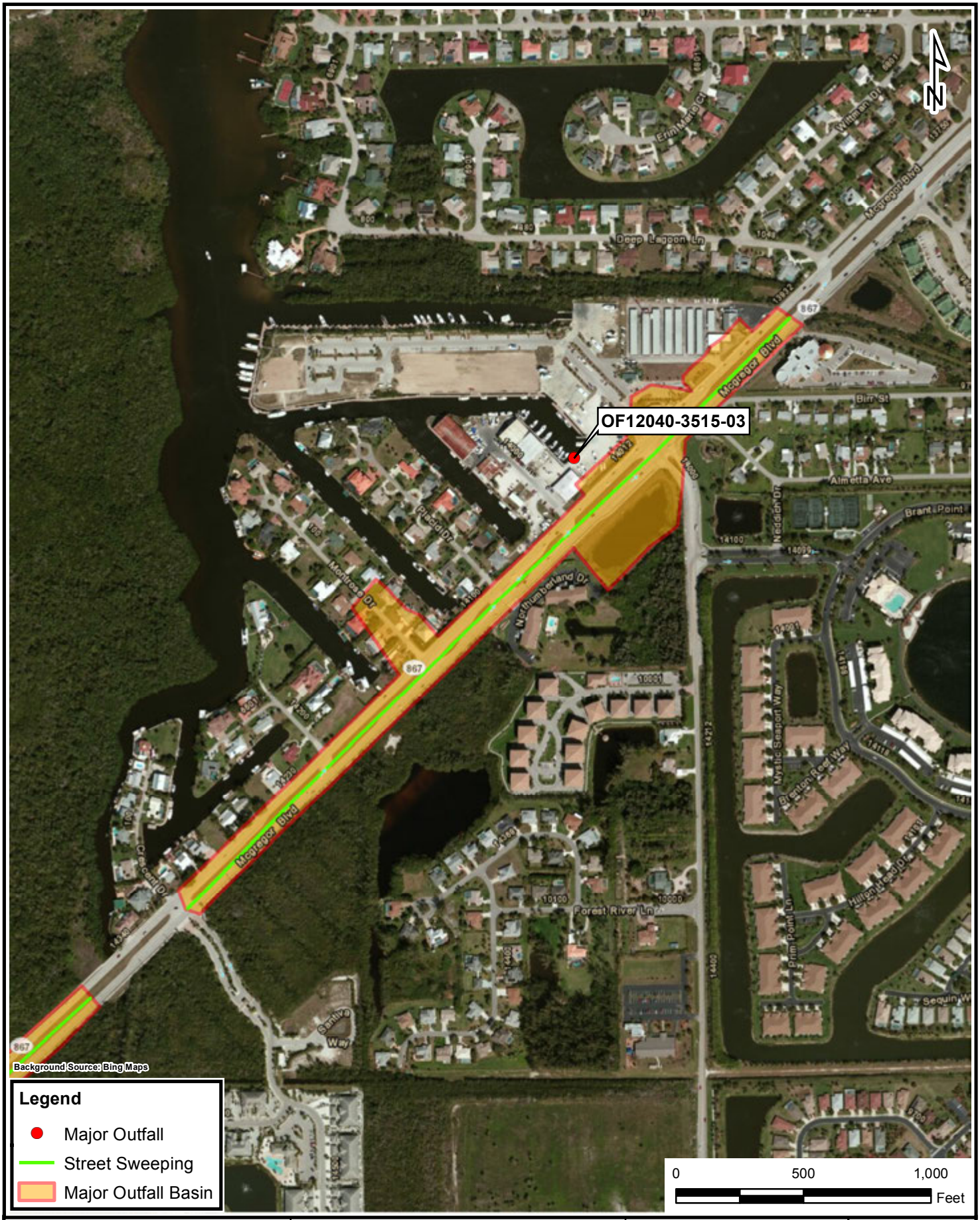
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Lee County Major Outfalls

Major Outfall ID: OF12040-3515-03

SCALE: 1 "=700 '	DATE: 2/26/2014

FIGURE 18



FDOT

Lee County Major Outfalls

Major Outfall ID: OF12040-3515-03

FIGURE 19

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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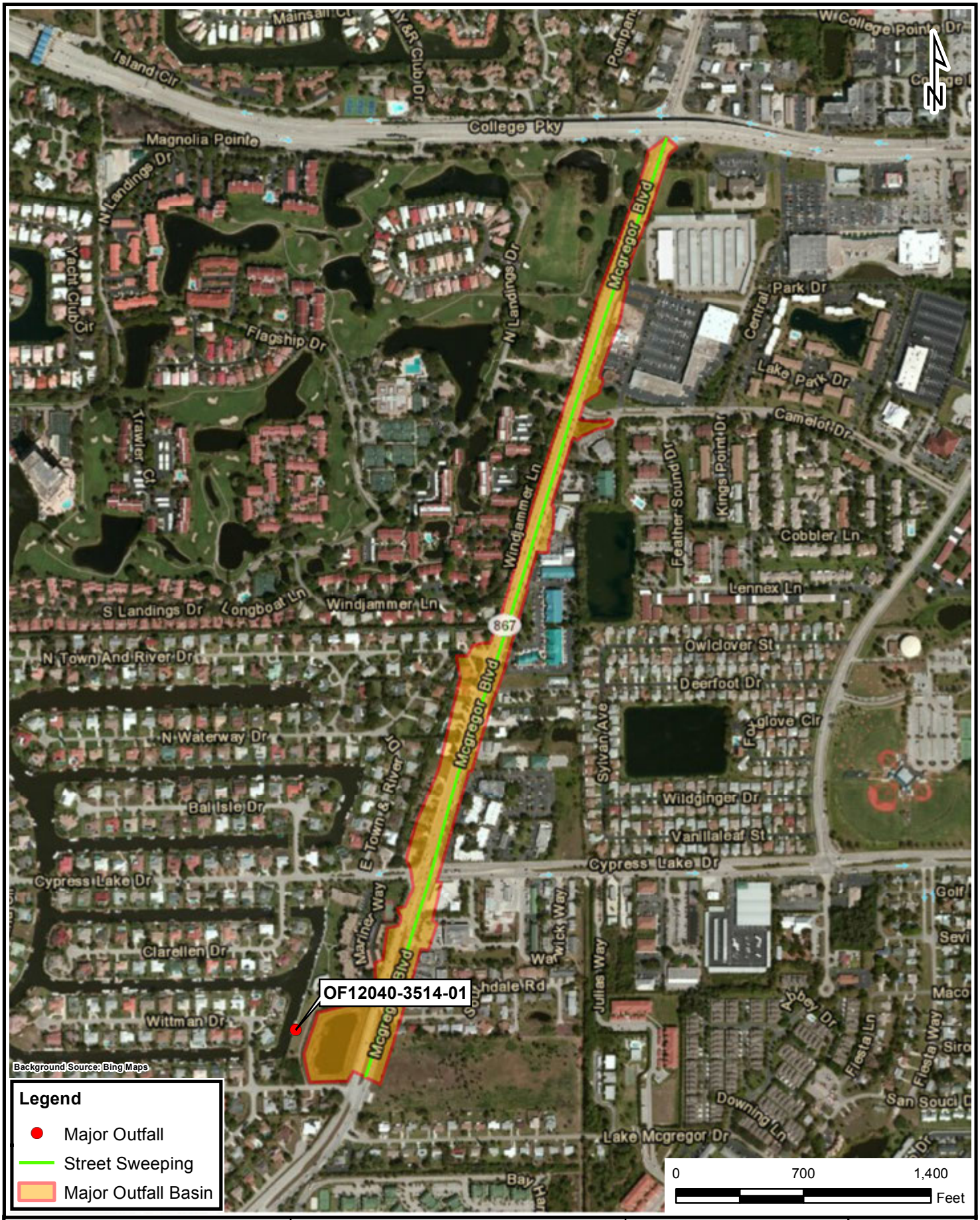

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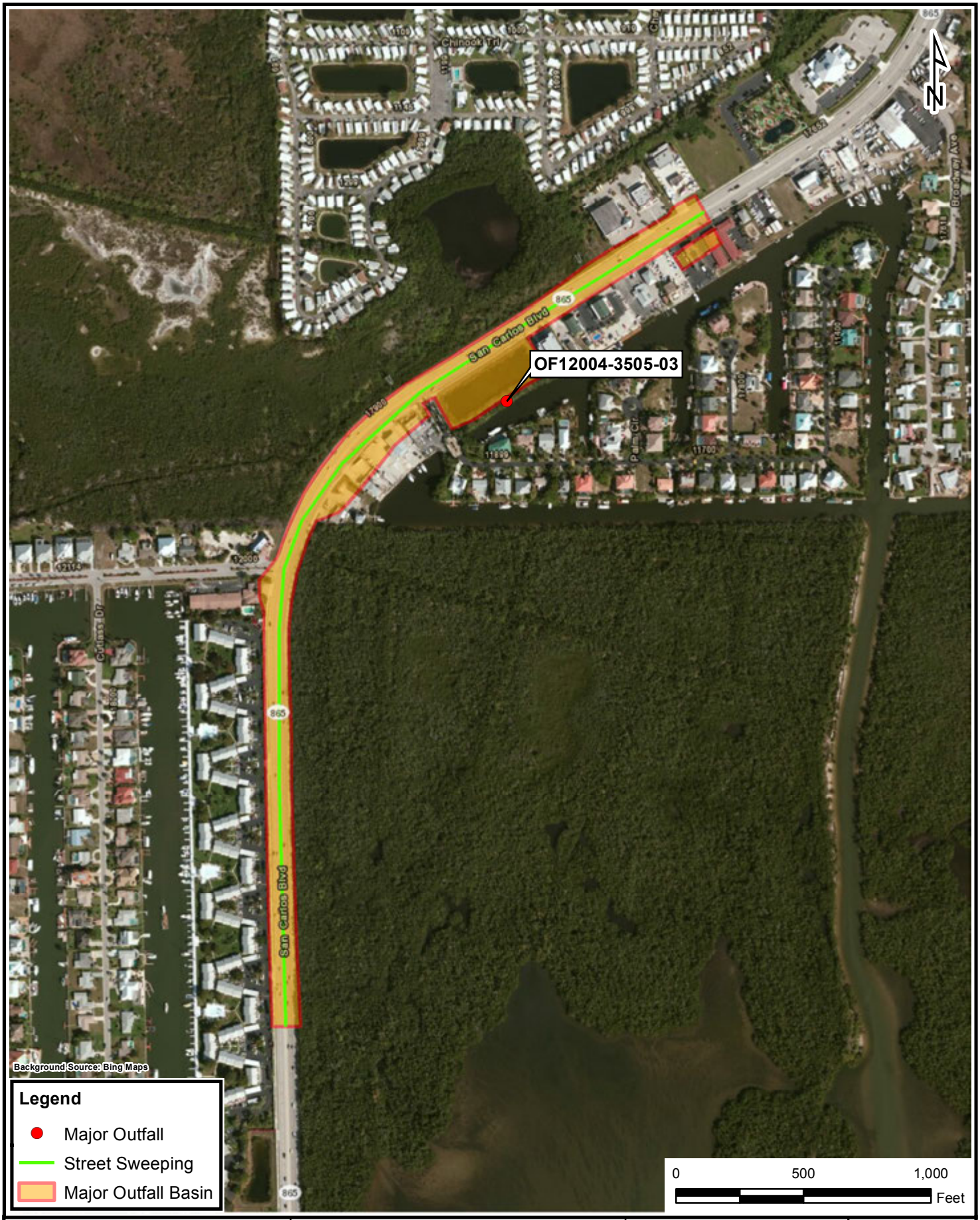
FDOT

Lee County Major Outfalls

Major Outfall ID: OF12040-3514-01

FIGURE 20

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=700 '	DATE: 2/26/2014



FDOT			**Lee County Major Outfalls**	Major Outfall ID: OF12004-3505-03	FIGURE 21
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014

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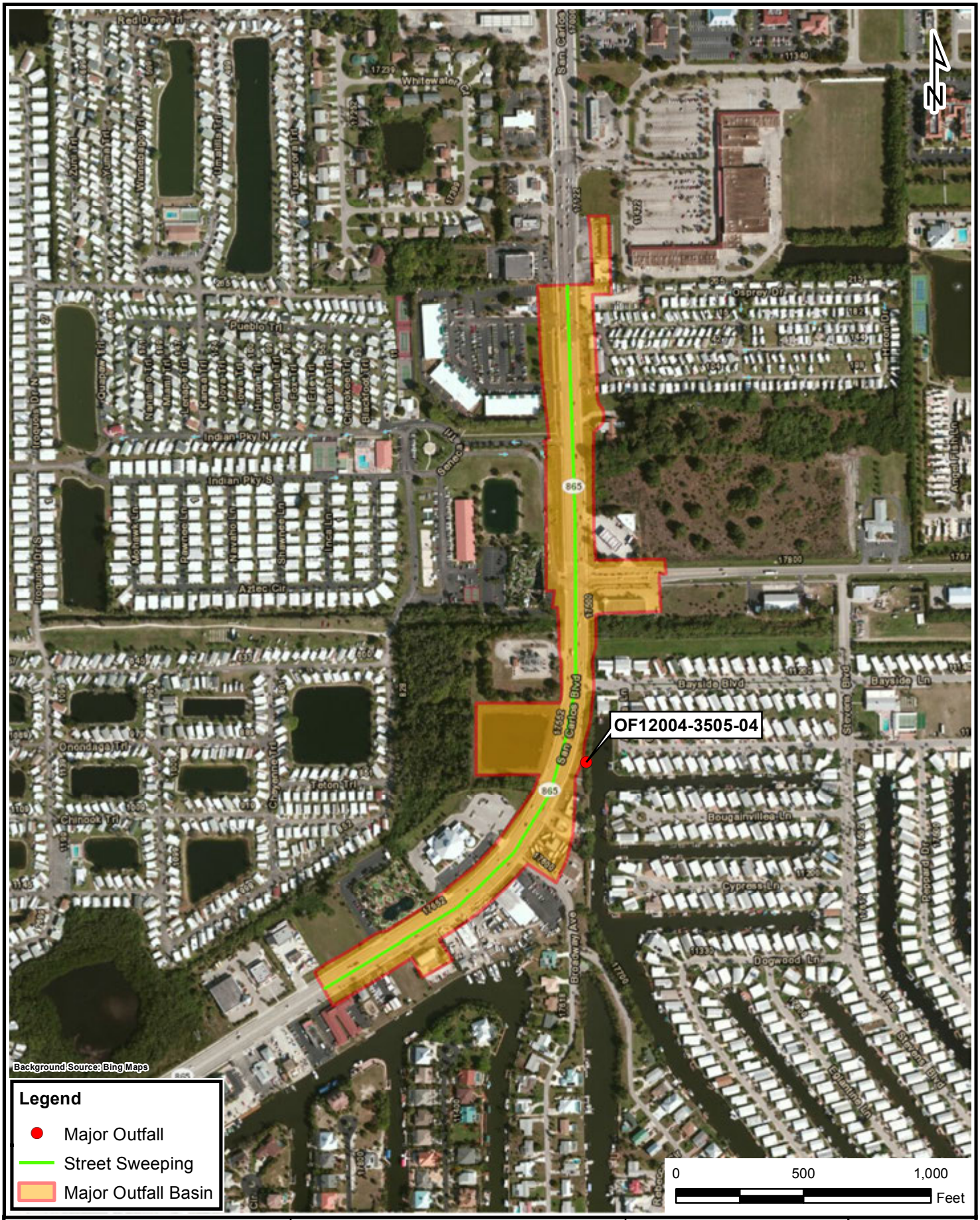

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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

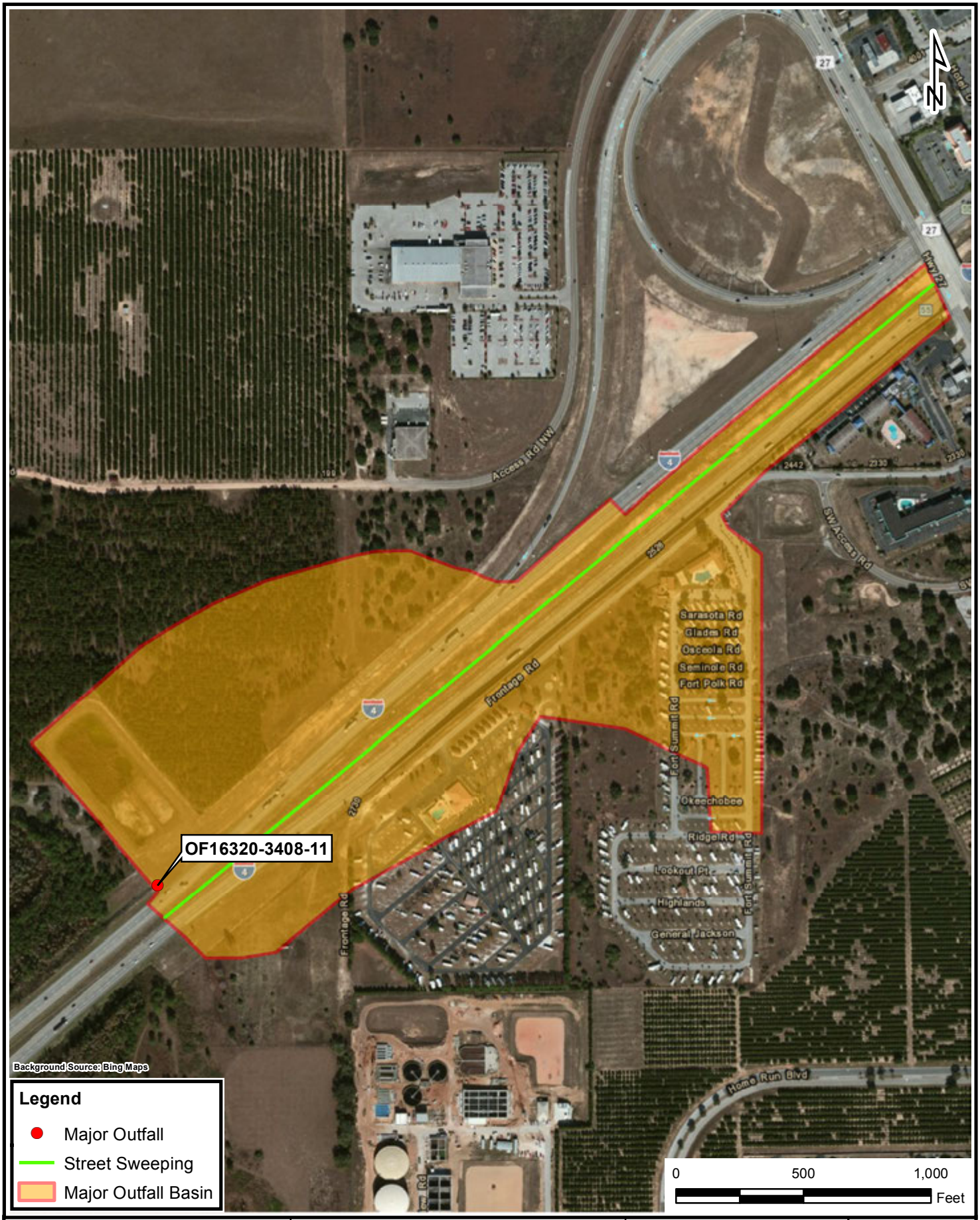
Lee County Major Outfalls

Major Outfall ID: OF12004-3505-04

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE

22



FDOT

Polk County Major Outfalls

Major Outfall ID: OF16320-3408-11

FIGURE 23

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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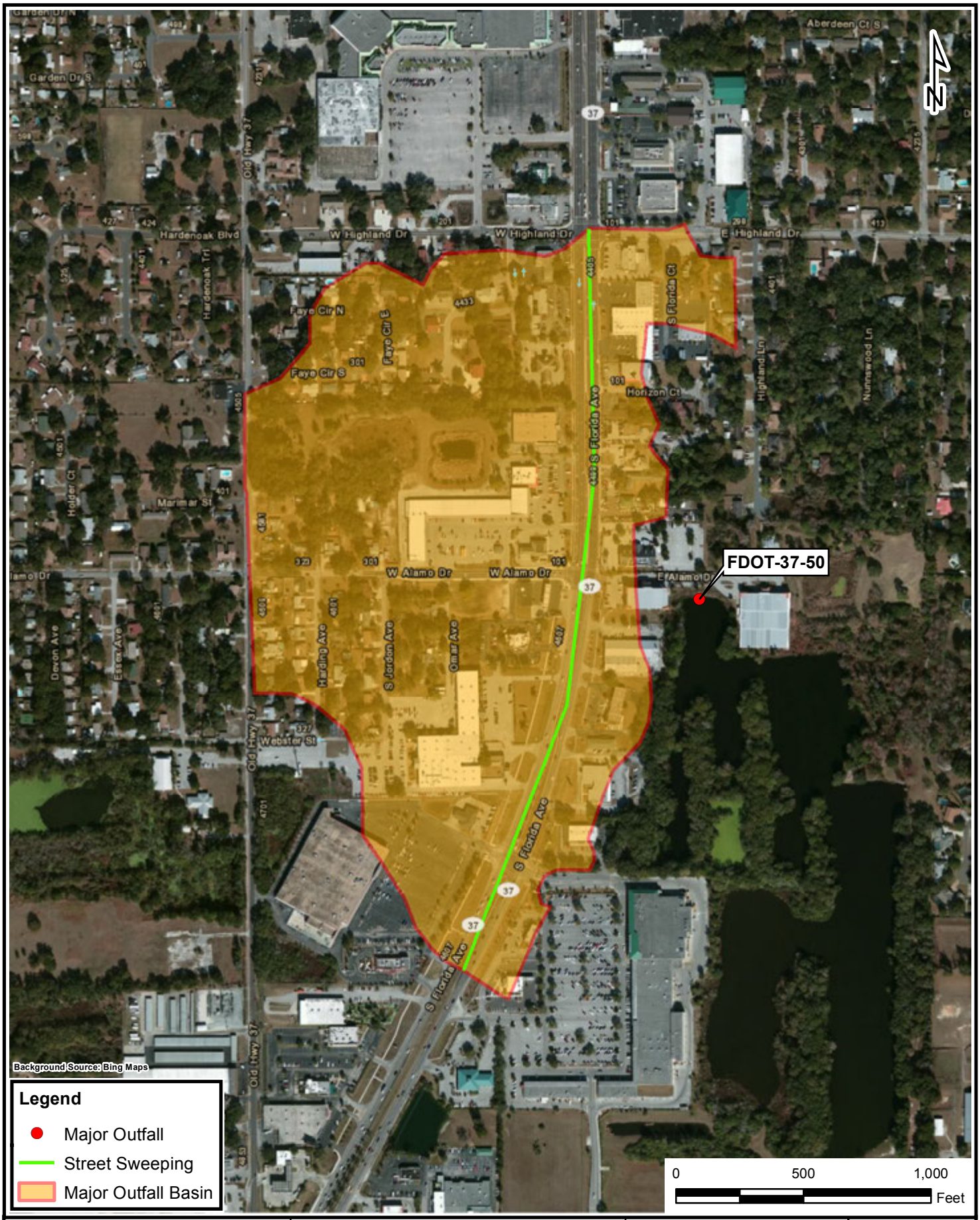

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FDOT			**Polk County Major Outfalls**	Major Outfall ID: FDOT-37-50	FIGURE 24
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014

Polk County Major Outfalls

Major Outfall ID: FDOT-540-70

FIGURE 25

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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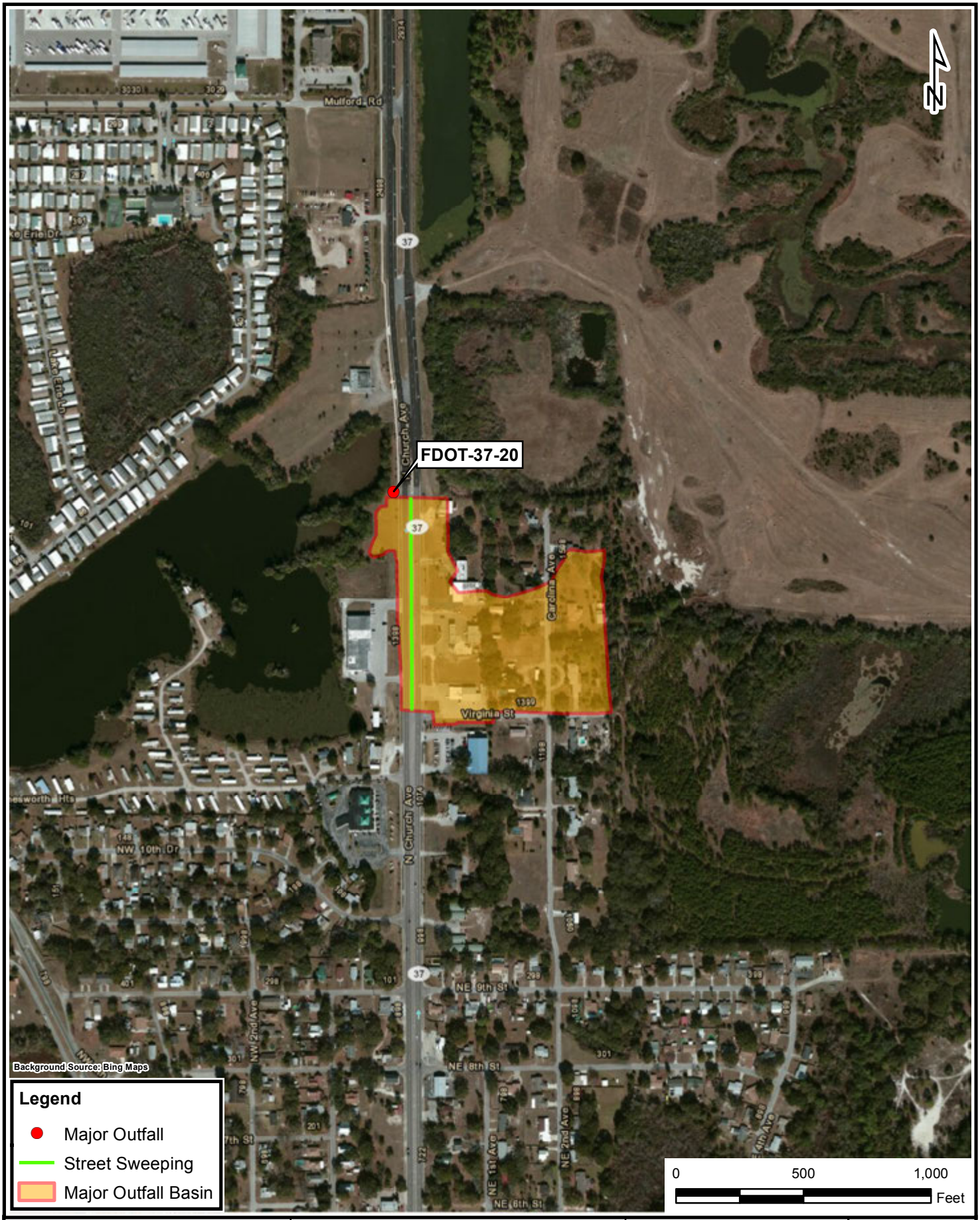
FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-540-60

FIGURE 26

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014



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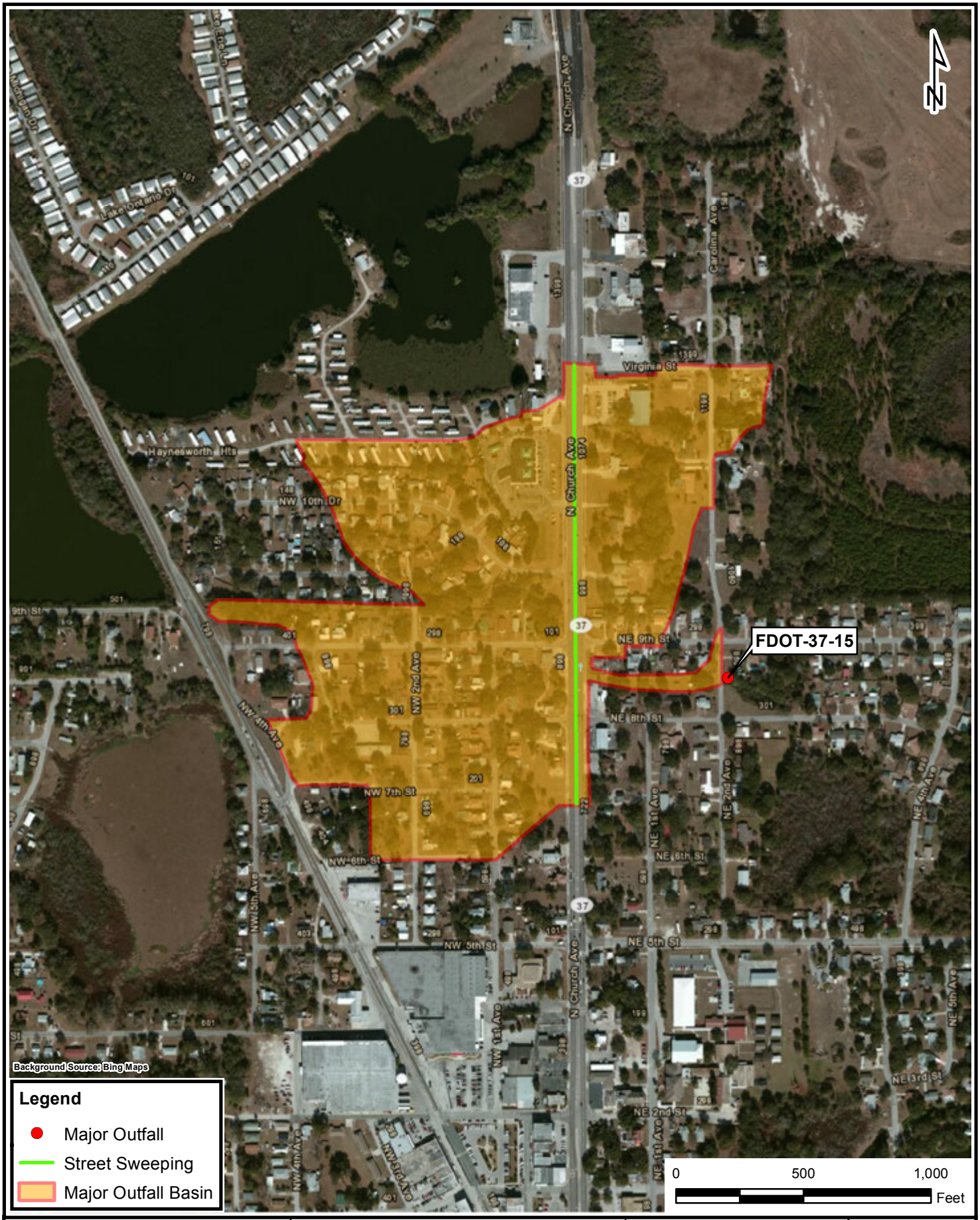
FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-37-20

FIGURE 27

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014



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FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-37-15

FIGURE 28

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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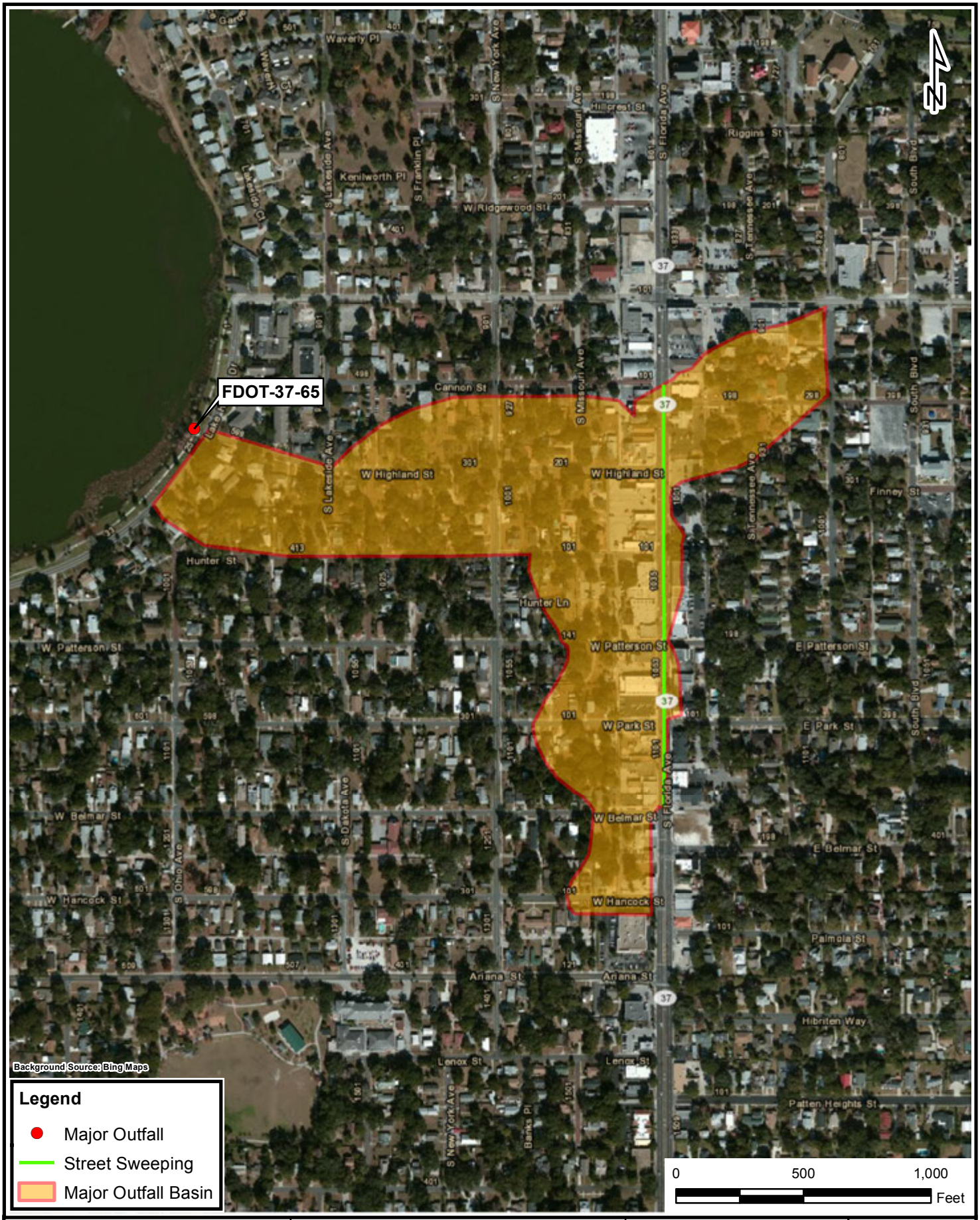
FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-37-10

FIGURE 29

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014



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Polk County Major Outfalls

Major Outfall ID: FDOT-37-65

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE 30

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FDOT		**Polk County Major Outfalls**	Major Outfall ID: FDOT-35-170		FIGURE 31
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014

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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Polk County Major Outfalls

Major Outfall ID: FDOT-563-15

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE 32

FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-563-25

FIGURE 33

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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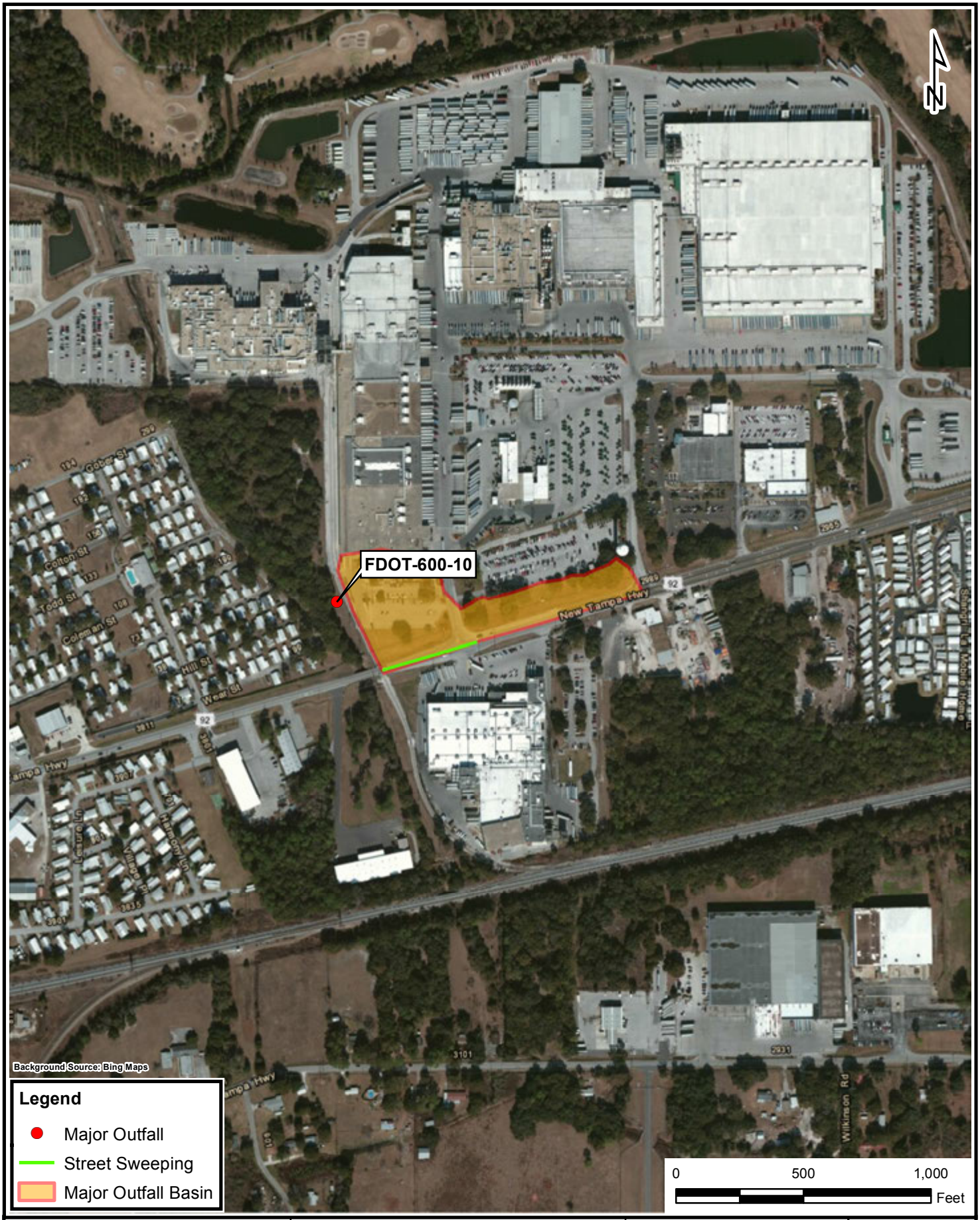

FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-600-10

FIGURE 34

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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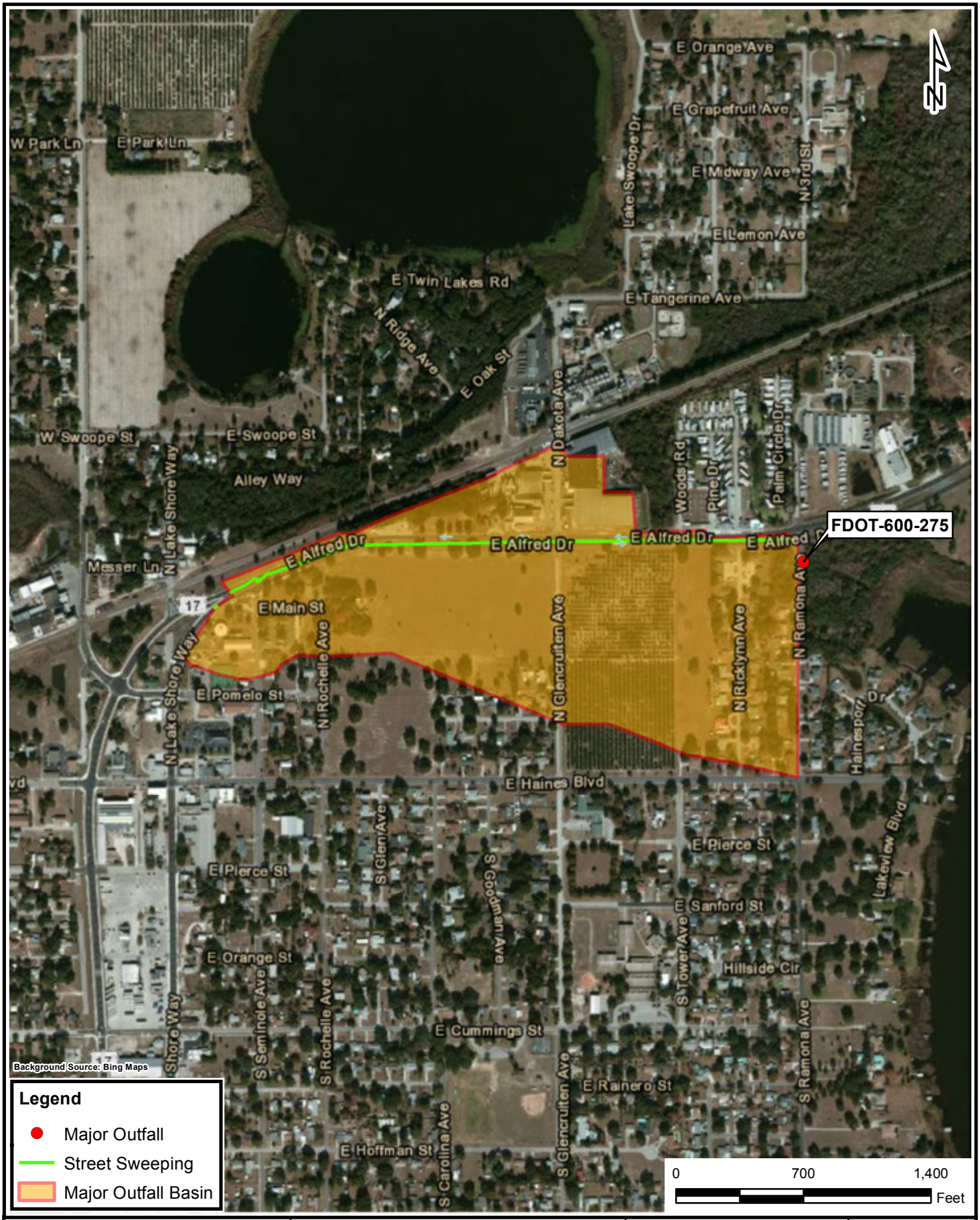
FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-544-90

FIGURE 35

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014



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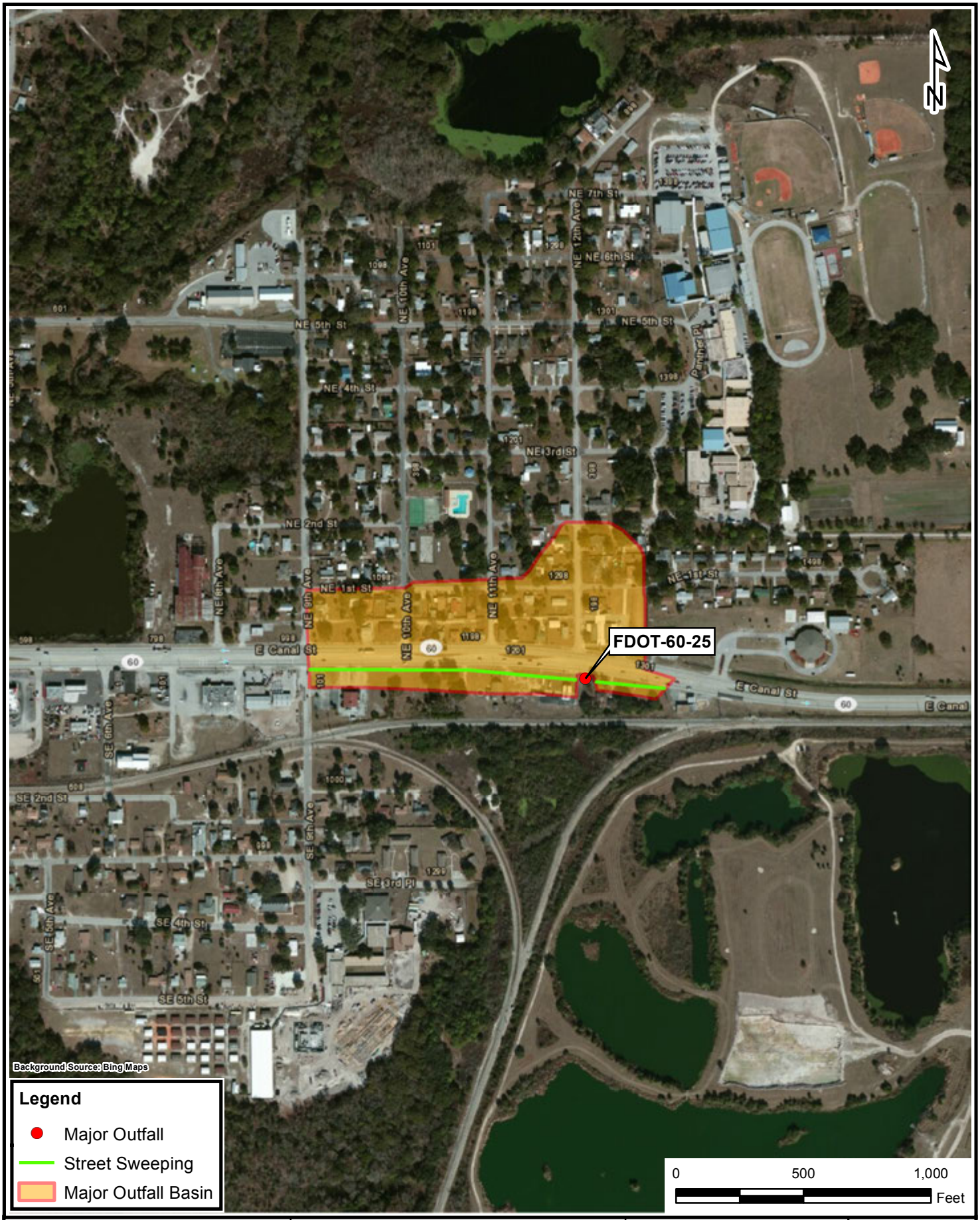
FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-600-275

FIGURE 36

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=700 '	DATE: 2/26/2014



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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Polk County Major Outfalls

Major Outfall ID: FDOT-60-25

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE 37

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FDOT			Polk County Major Outfalls	Major Outfall ID: FDOT-546-30	FIGURE 38
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014

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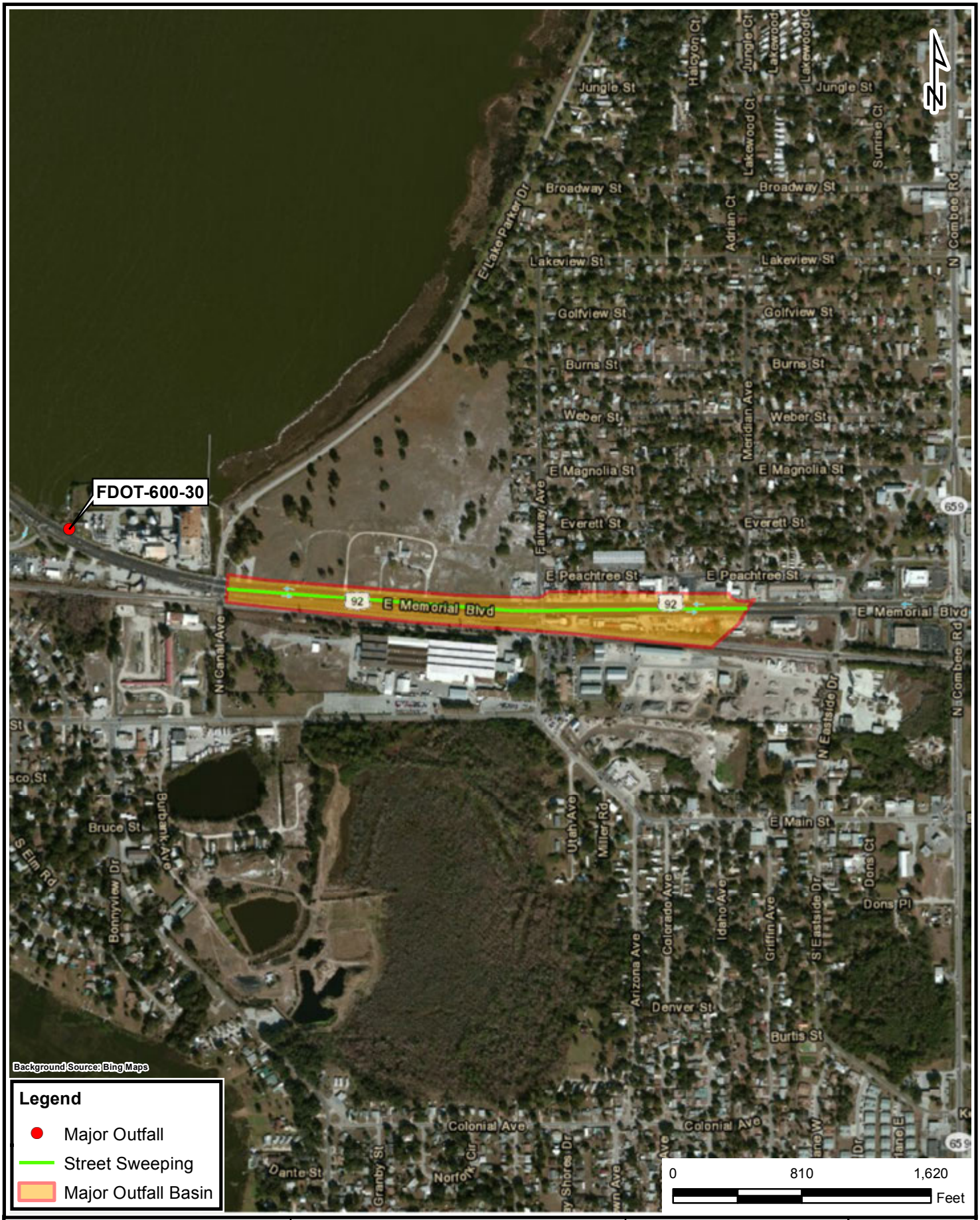
FDOT			**Polk County Major Outfalls**	Major Outfall ID: FDOT-546-75	FIGURE 39
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014



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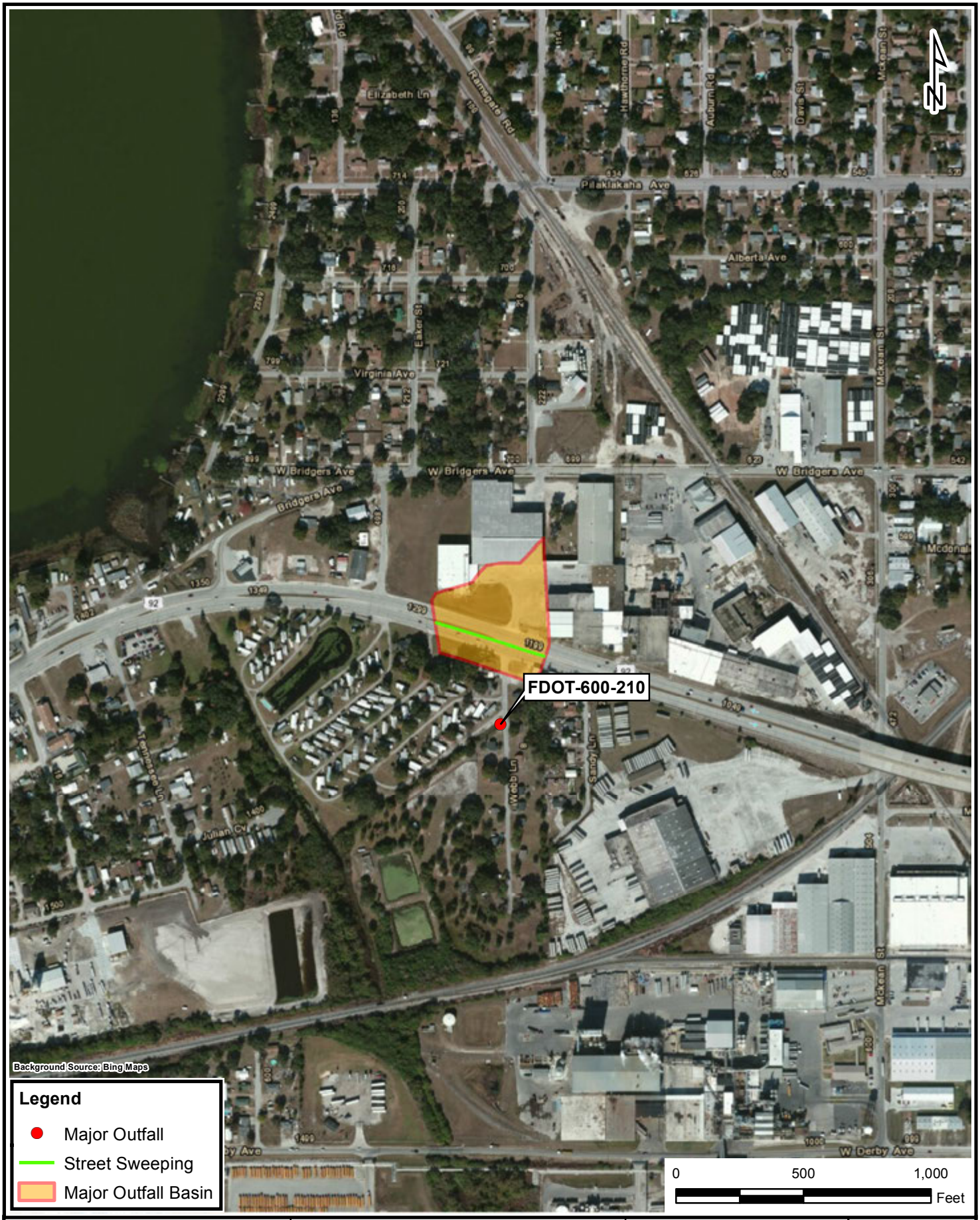
FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-600-30

FIGURE 40

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=800 '	DATE: 2/26/2014



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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

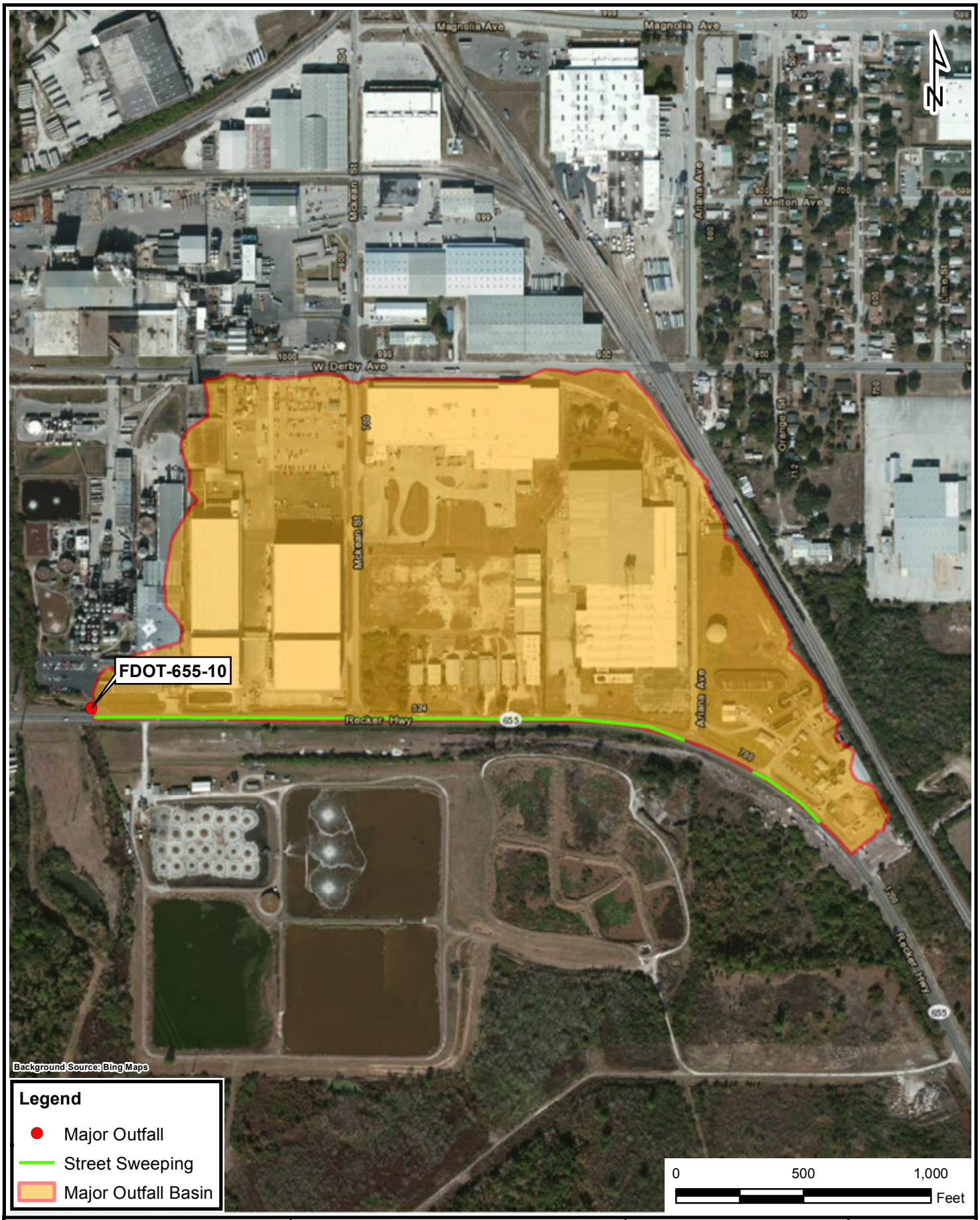
Polk County Major Outfalls

Major Outfall ID: FDOT-600-210

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE

41



FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-655-10

FIGURE 42

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-555-25

FIGURE 43

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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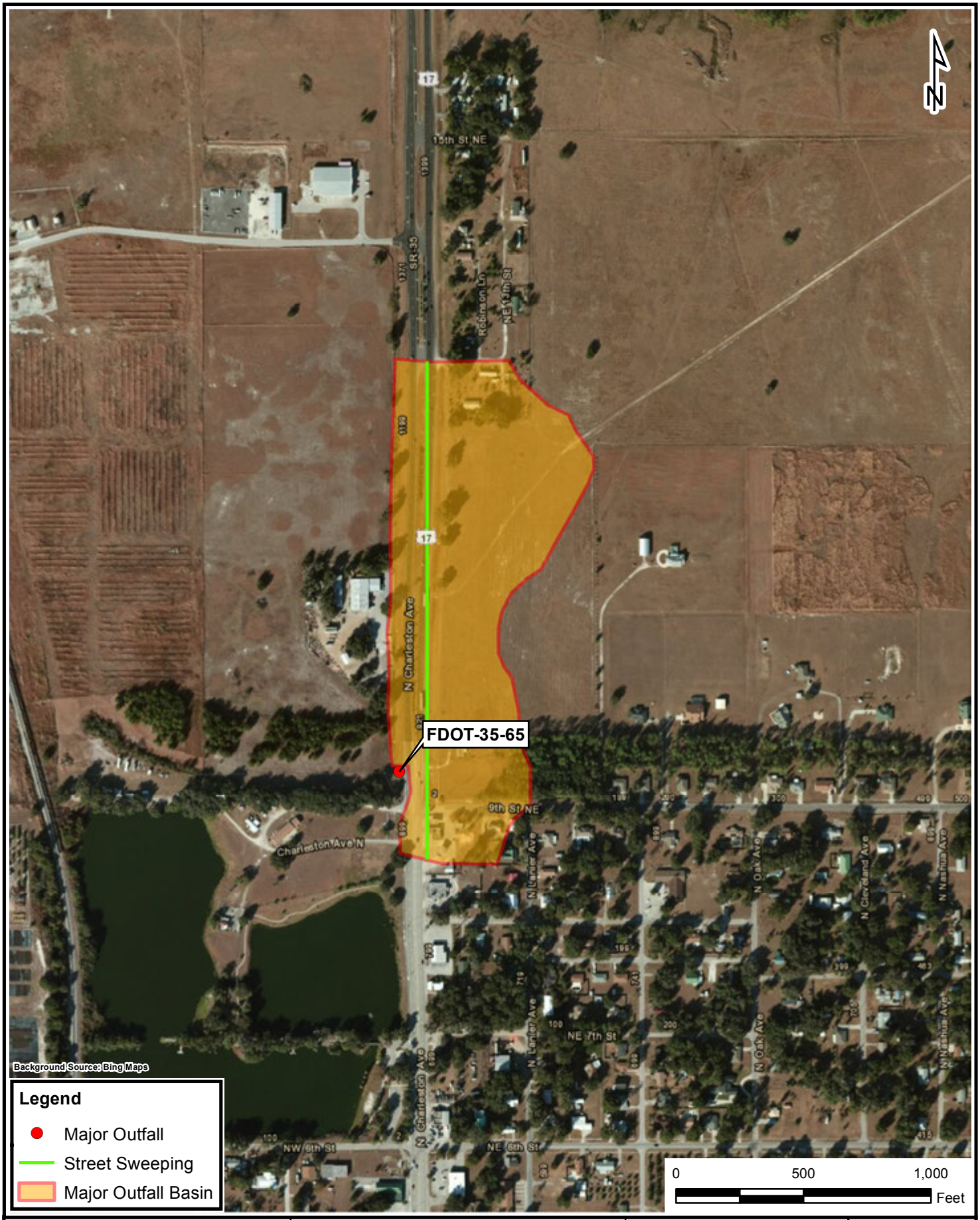

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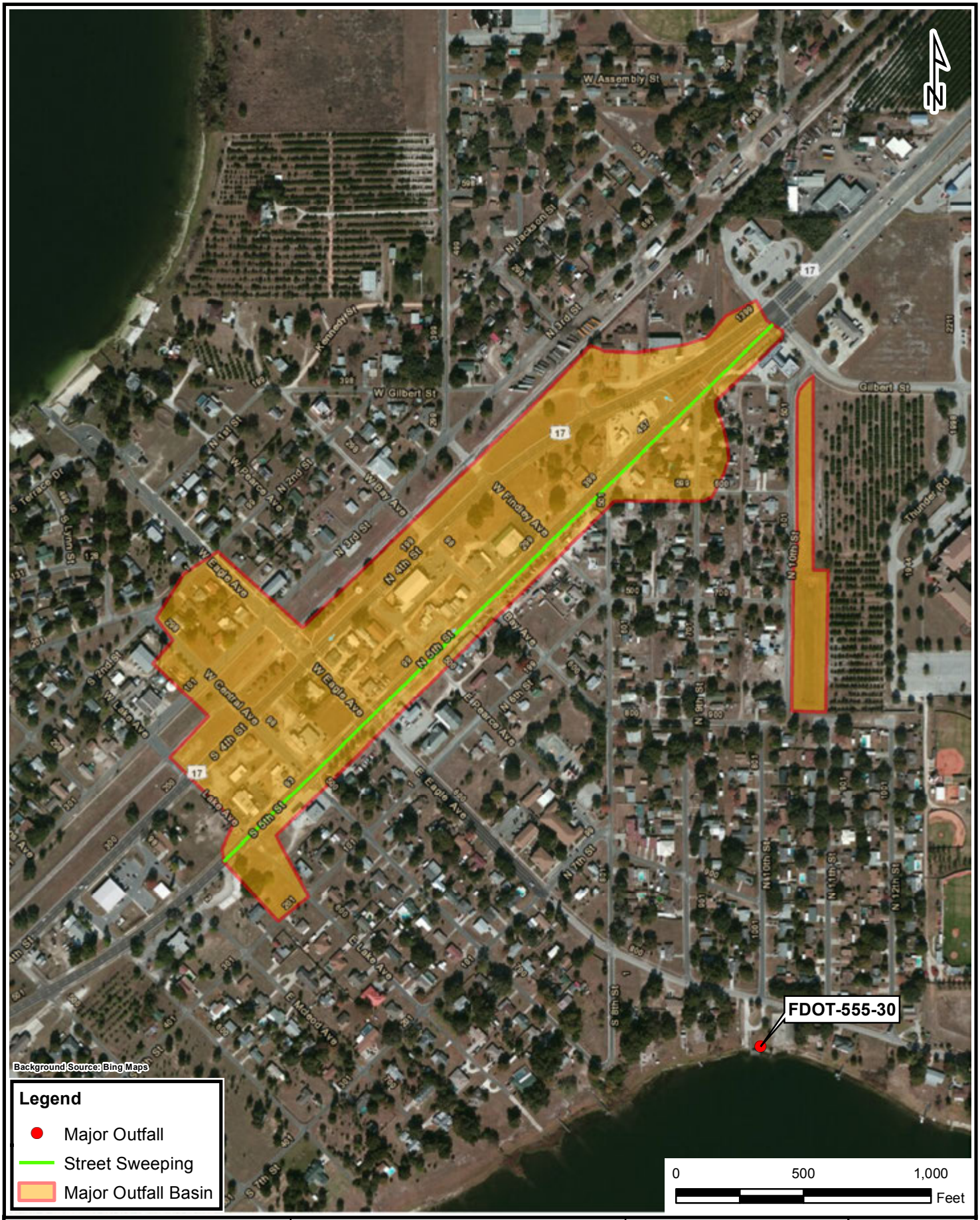
FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-35-65

FIGURE 44

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014



FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-555-30

FIGURE 45

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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FDOT			**Polk County Major Outfalls**	Major Outfall ID: FDOT-35-100	FIGURE 46
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=700 '	DATE: 2/26/2014

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FDOT

DRAWN BY: DCR | CHECKED BY: HR | PROJECT NUMBER: 1-1464-029

Polk County Major Outfalls

Major Outfall ID: FDOT-37-60

SCALE: 1 "=700 ' | DATE: 2/26/2014

FIGURE 47

FDOT			**Polk County Major Outfalls**	Major Outfall ID: FDOT-60-130	FIGURE 48
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=800 '	DATE: 2/26/2014

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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

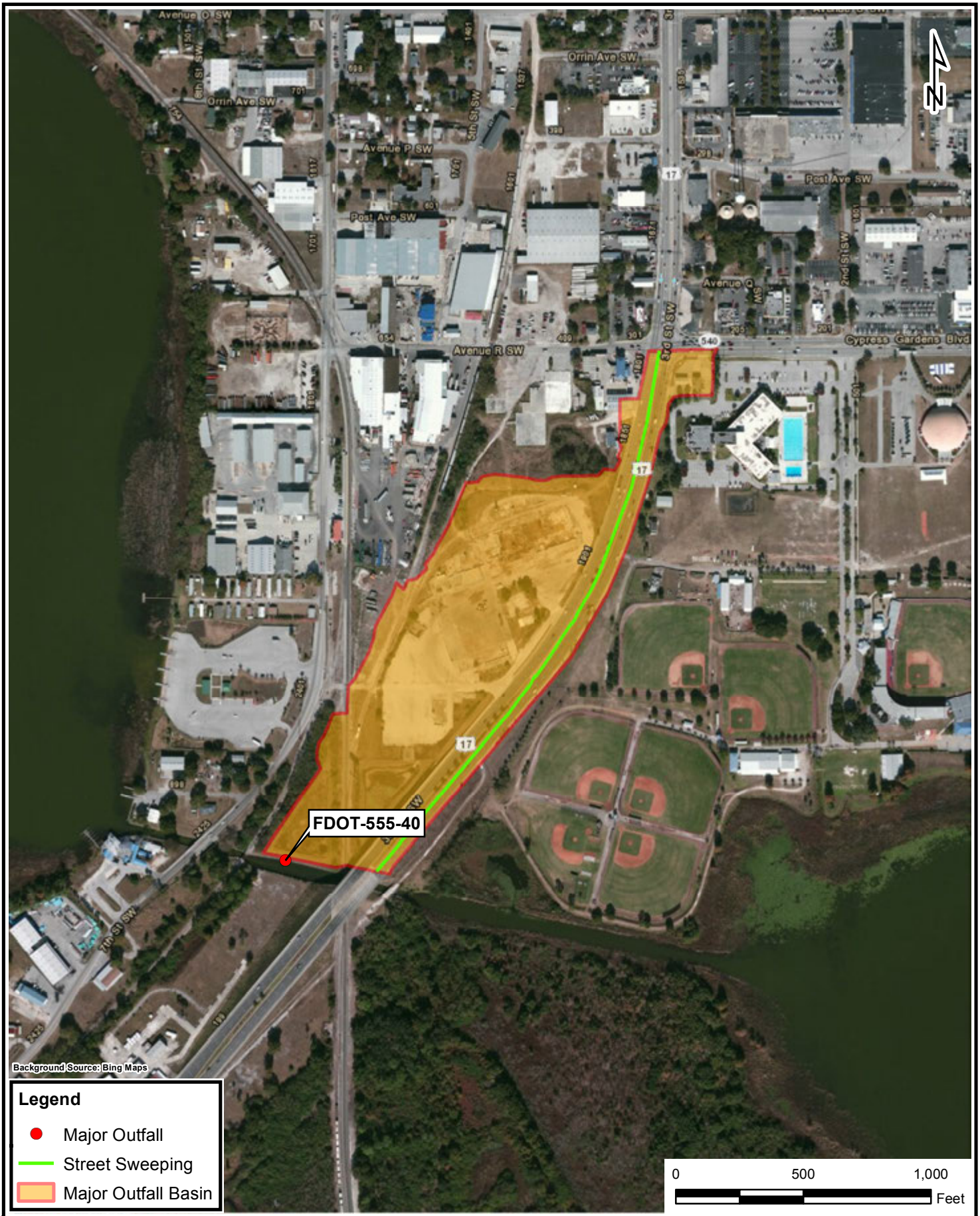
Polk County Major Outfalls

Major Outfall ID: FDOT-555-35

SCALE: 1 "=700 '	DATE: 2/26/2014

FIGURE

49



FDOT		**Polk County Major Outfalls**	Major Outfall ID: FDOT-555-40		FIGURE 50
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014	

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FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-555-55

FIGURE 51

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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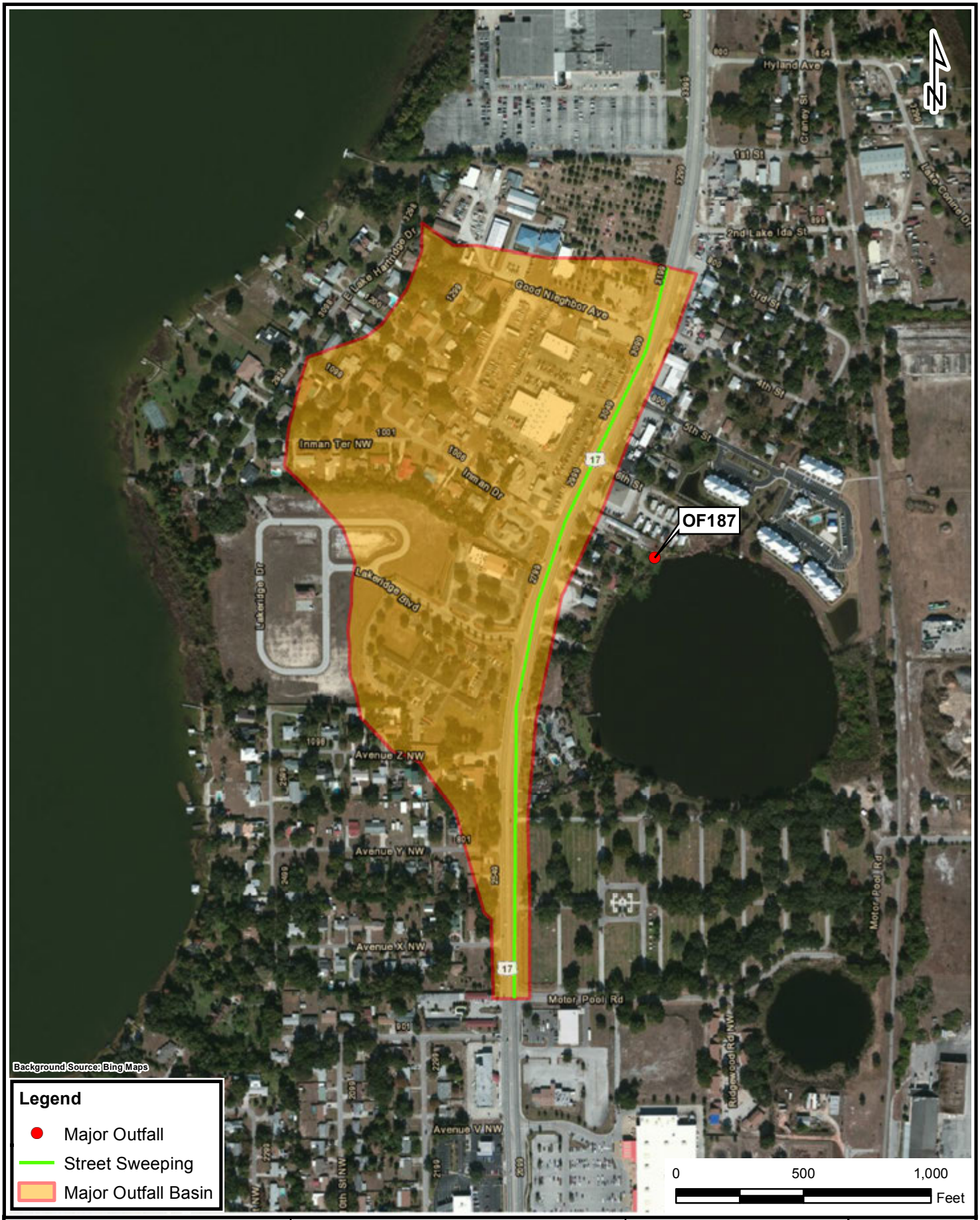

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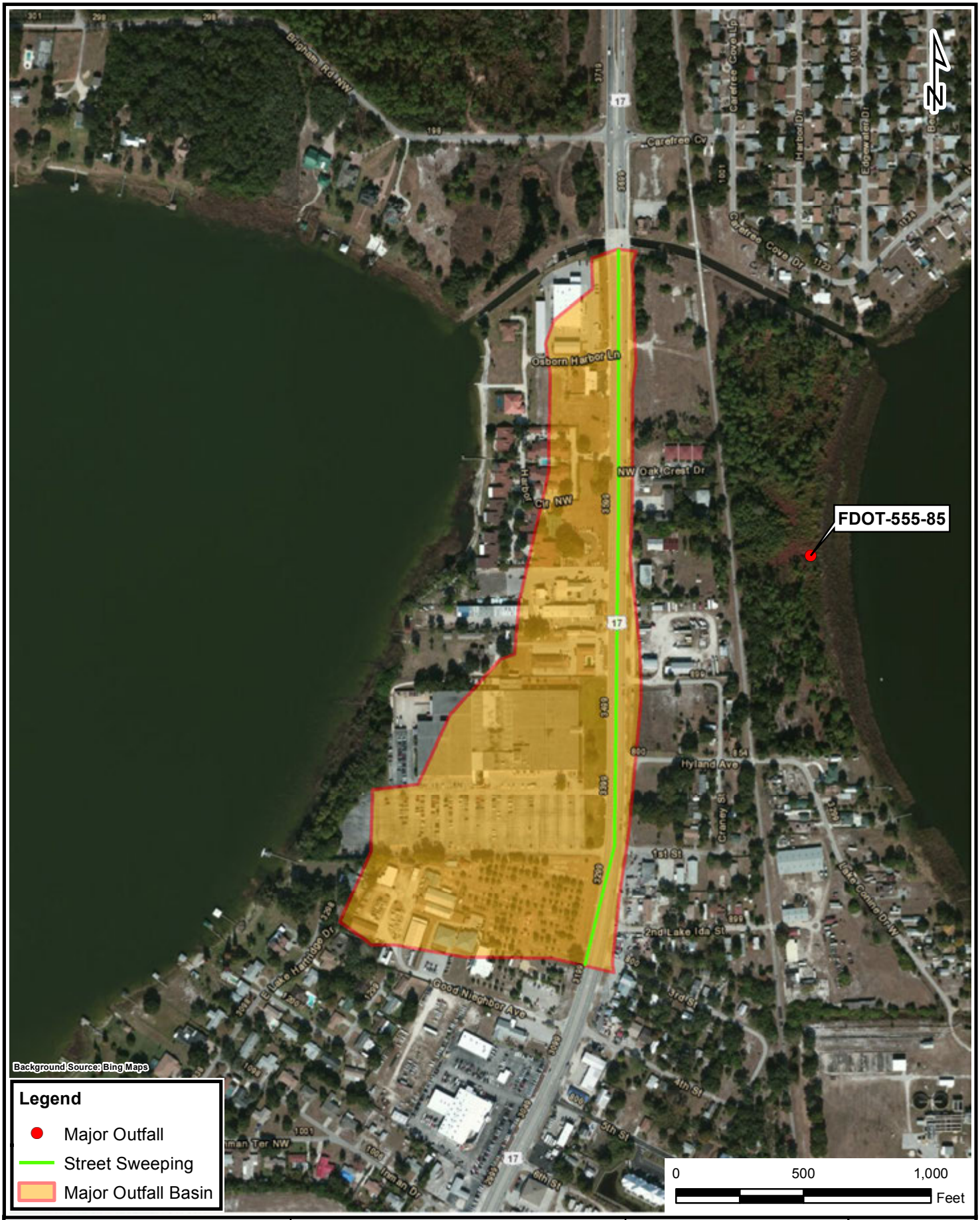
FDOT

Polk County Major Outfalls

Major Outfall ID: OF187

FIGURE 52

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014



FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-555-85

FIGURE 53

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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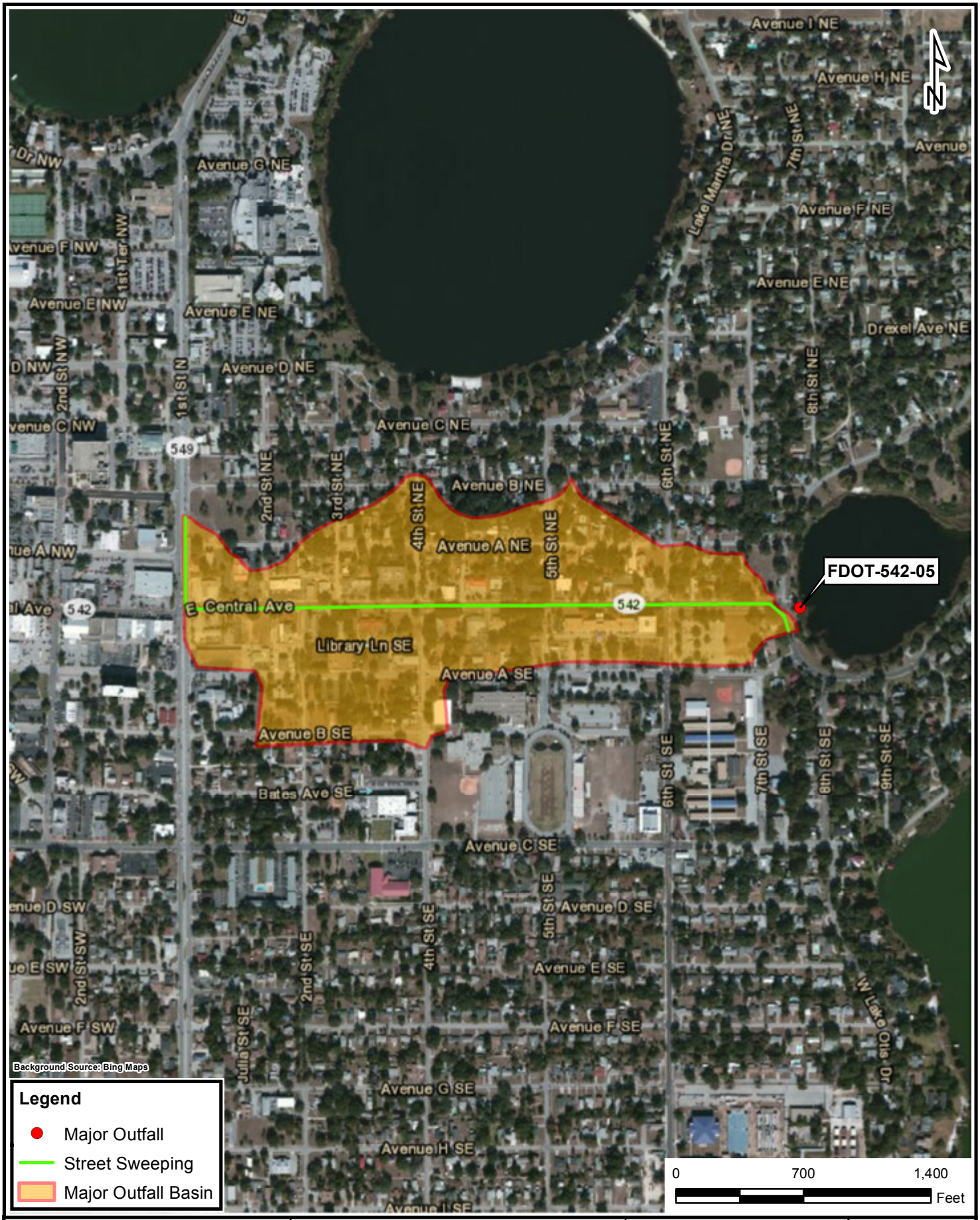

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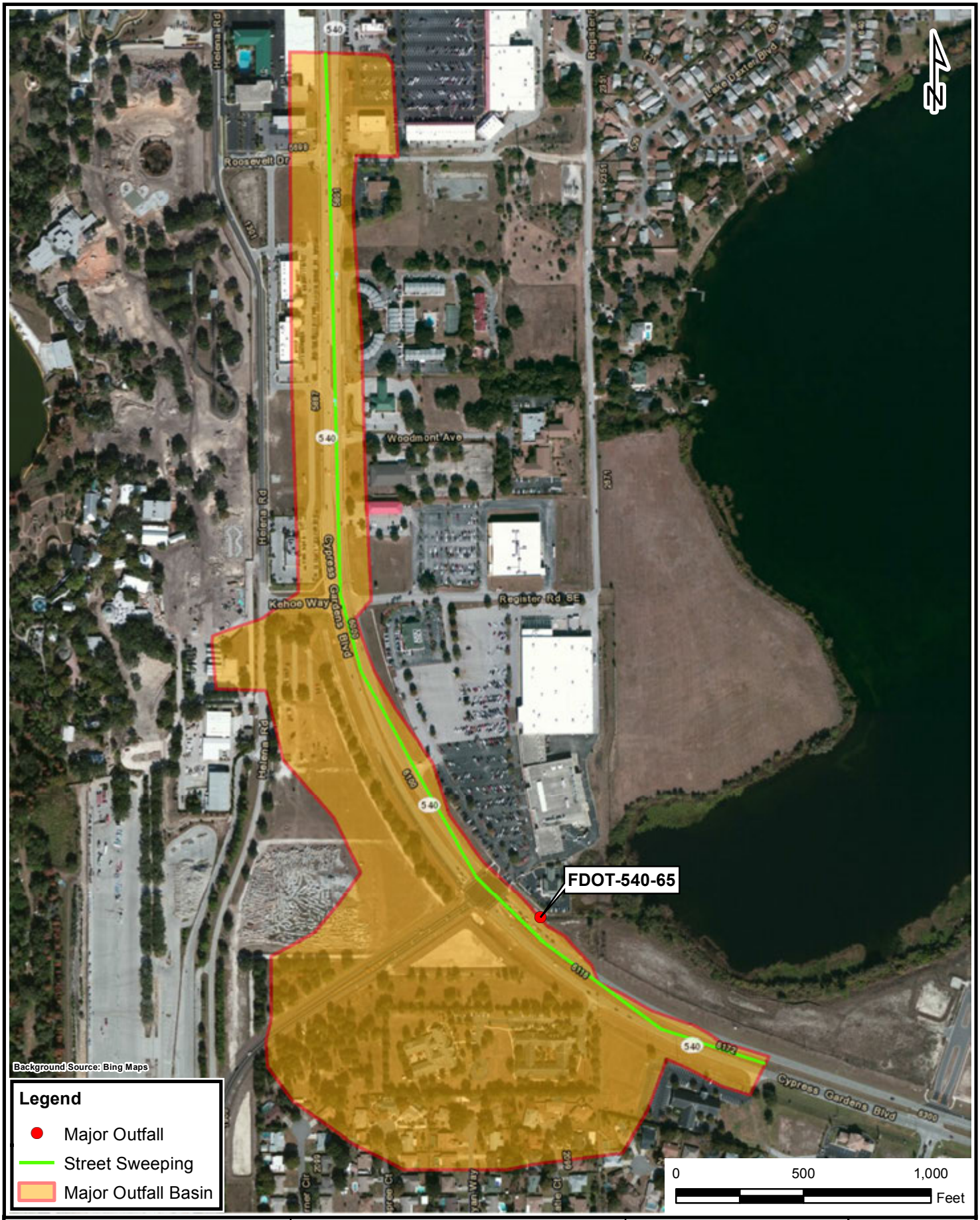
FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-542-05

FIGURE 54

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=700 '	DATE: 2/26/2014



FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-540-65

FIGURE 55

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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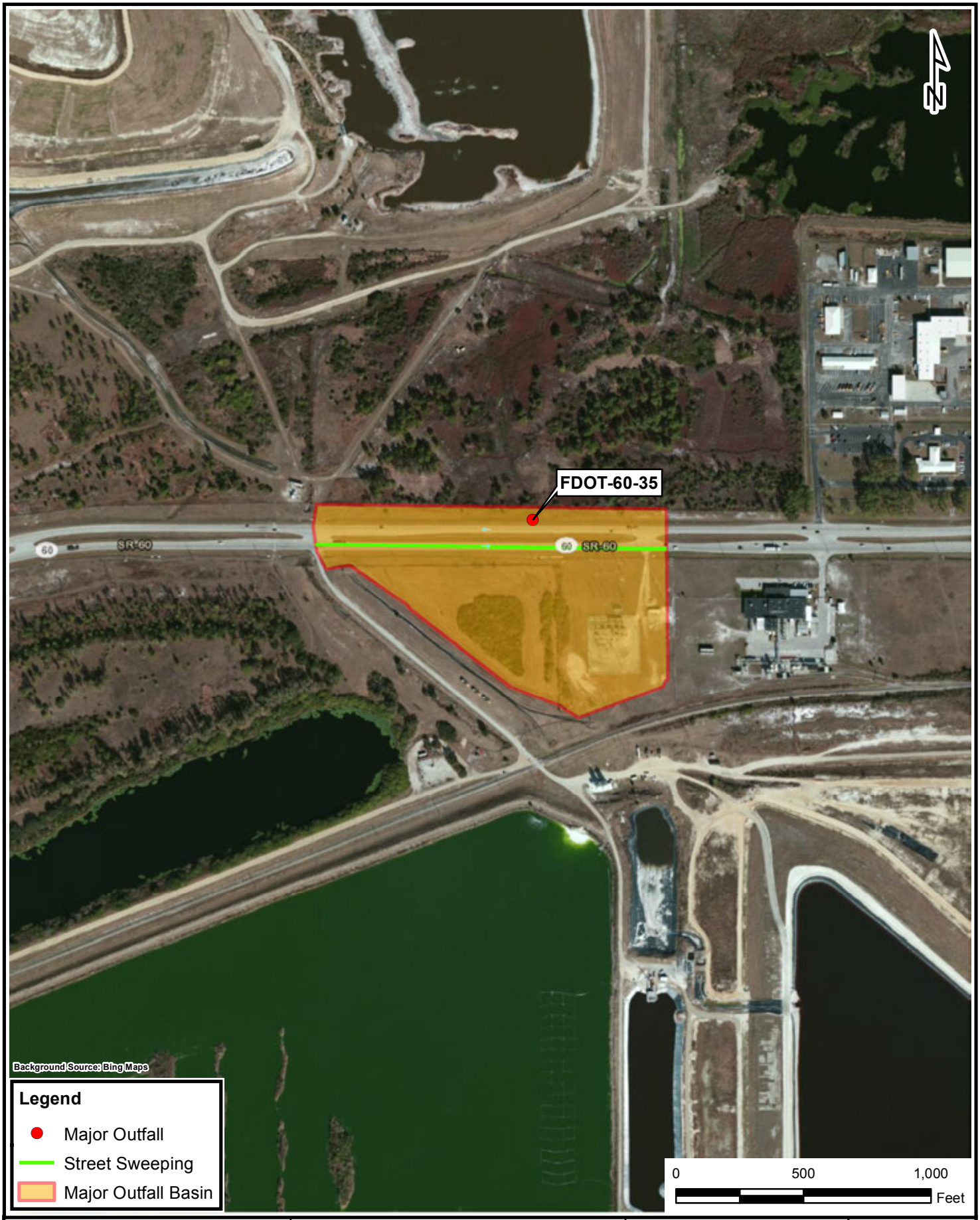
FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-60-45

FIGURE 56

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=1,000 '	DATE: 2/26/2014



FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Polk County Major Outfalls

Major Outfall ID: FDOT-60-35

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE

57

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FDOT			**Polk County Major Outfalls**	Major Outfall ID: FDOT-600-280	FIGURE 58
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014

FDOT			Polk County Major Outfalls	Major Outfall ID: FDOT-600-235	FIGURE 59
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014

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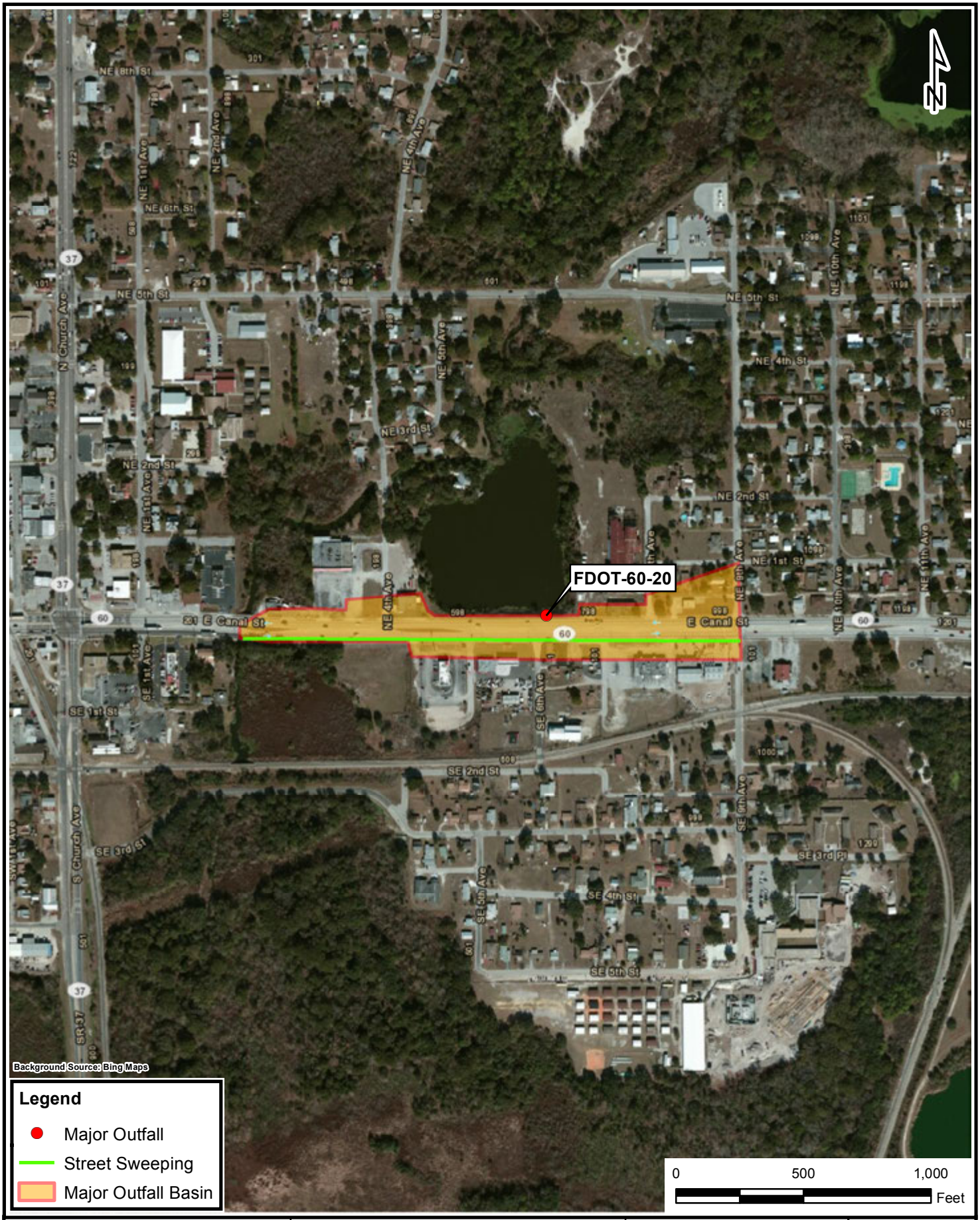

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FDOT			**Polk County Major Outfalls**	Major Outfall ID: FDOT-60-20	FIGURE 60
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014

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FDOT			**Polk County Major Outfalls**	Major Outfall ID: FDOT-546-15	FIGURE 61
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014

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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Polk County Major Outfalls

Major Outfall ID: FDOT-35-135

SCALE: 1 "=700 '	DATE: 2/26/2014

FIGURE 62

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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

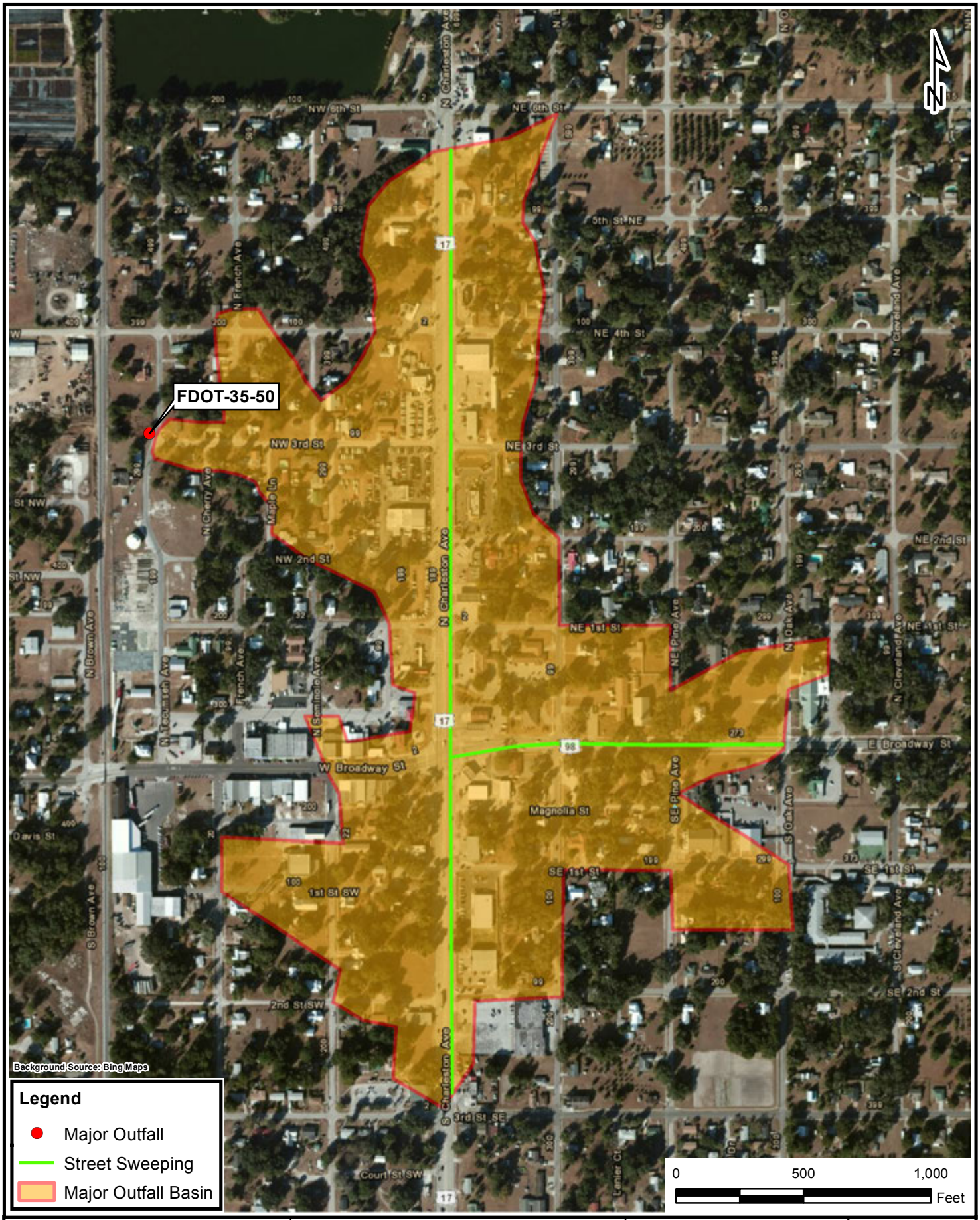
Polk County Major Outfalls

Major Outfall ID: FDOT-35-145

SCALE: 1 "=1,000 '	DATE: 2/26/2014

FIGURE

63



FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-35-50

FIGURE 64

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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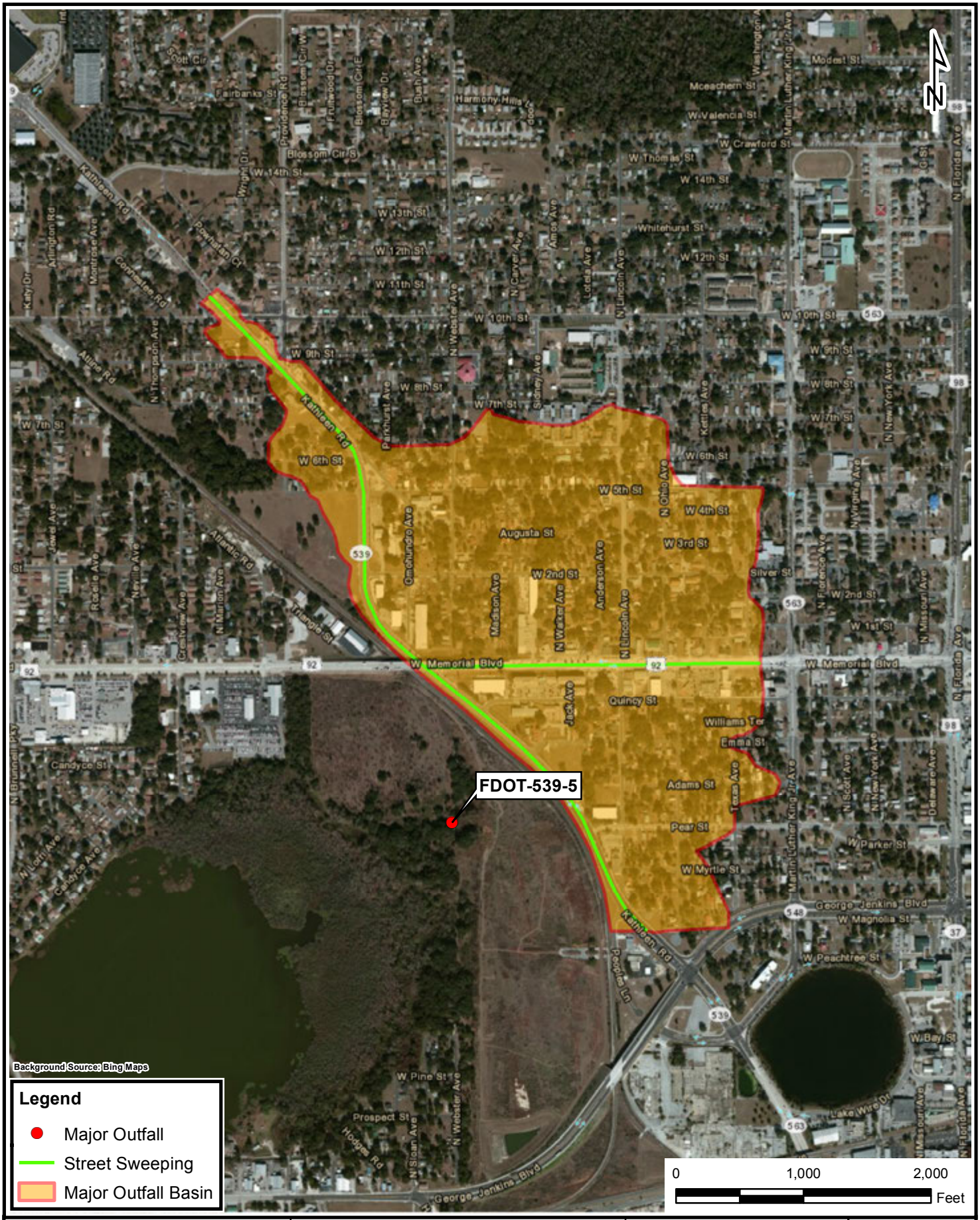

FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-539-5

FIGURE 65

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=1,000 '	DATE: 2/26/2014

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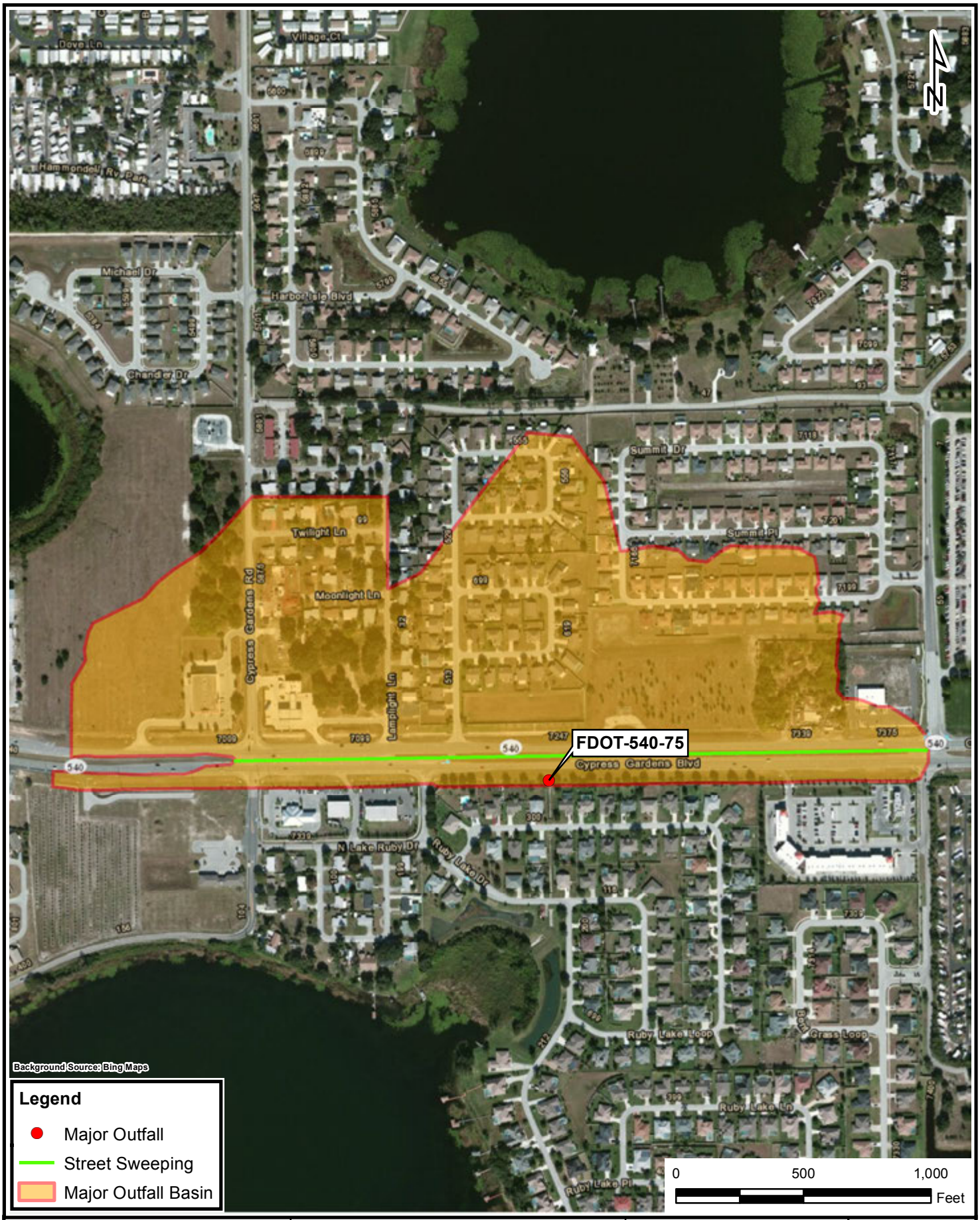

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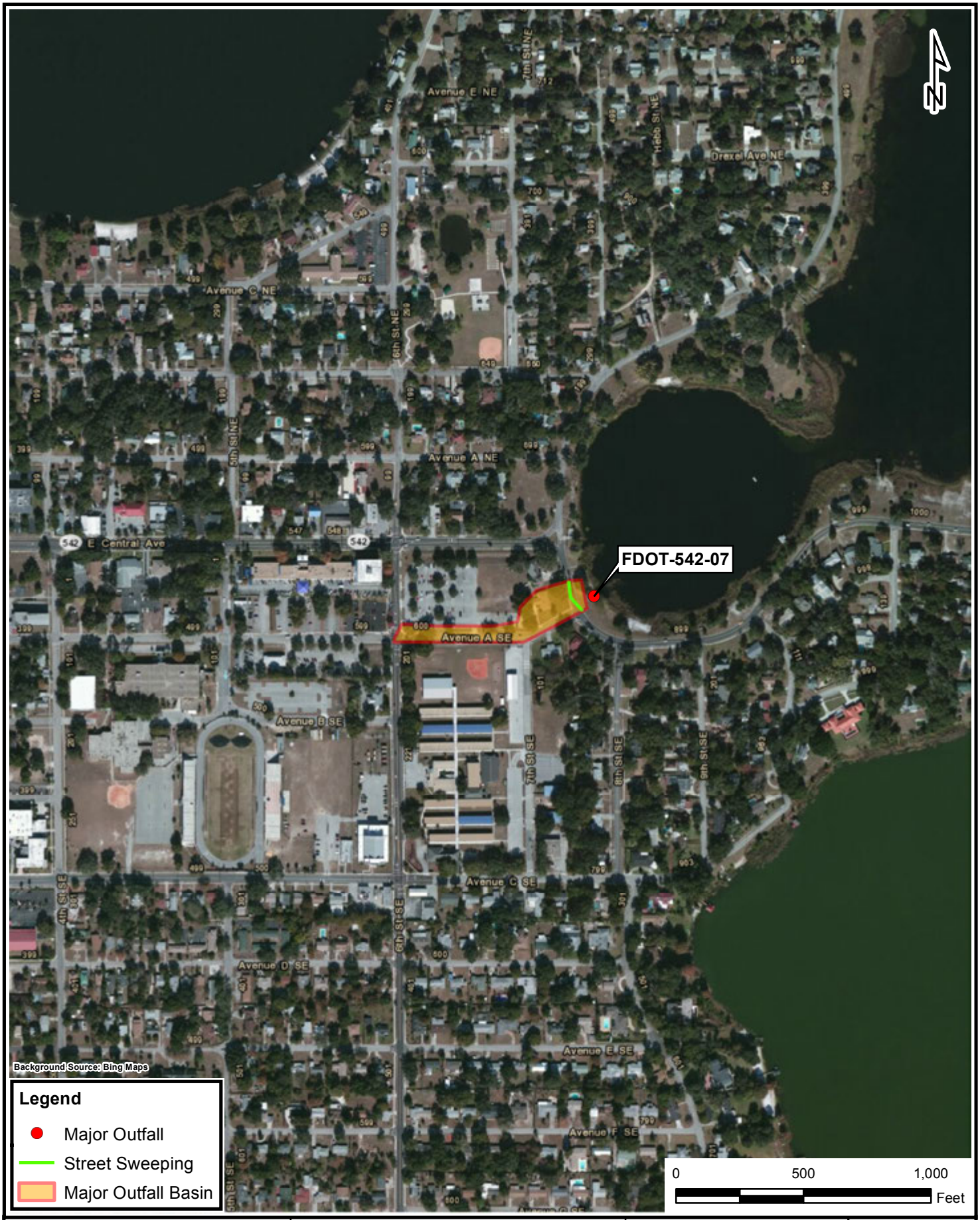
FDOT		**Polk County Major Outfalls**	Major Outfall ID: FDOT-540-75		FIGURE 66
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014	



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FDOT

POLK County Major Outfalls

Major Outfall ID: FDOT-542-07

FIGURE 67

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-544-115

FIGURE 68

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=1,000 '	DATE: 2/26/2014

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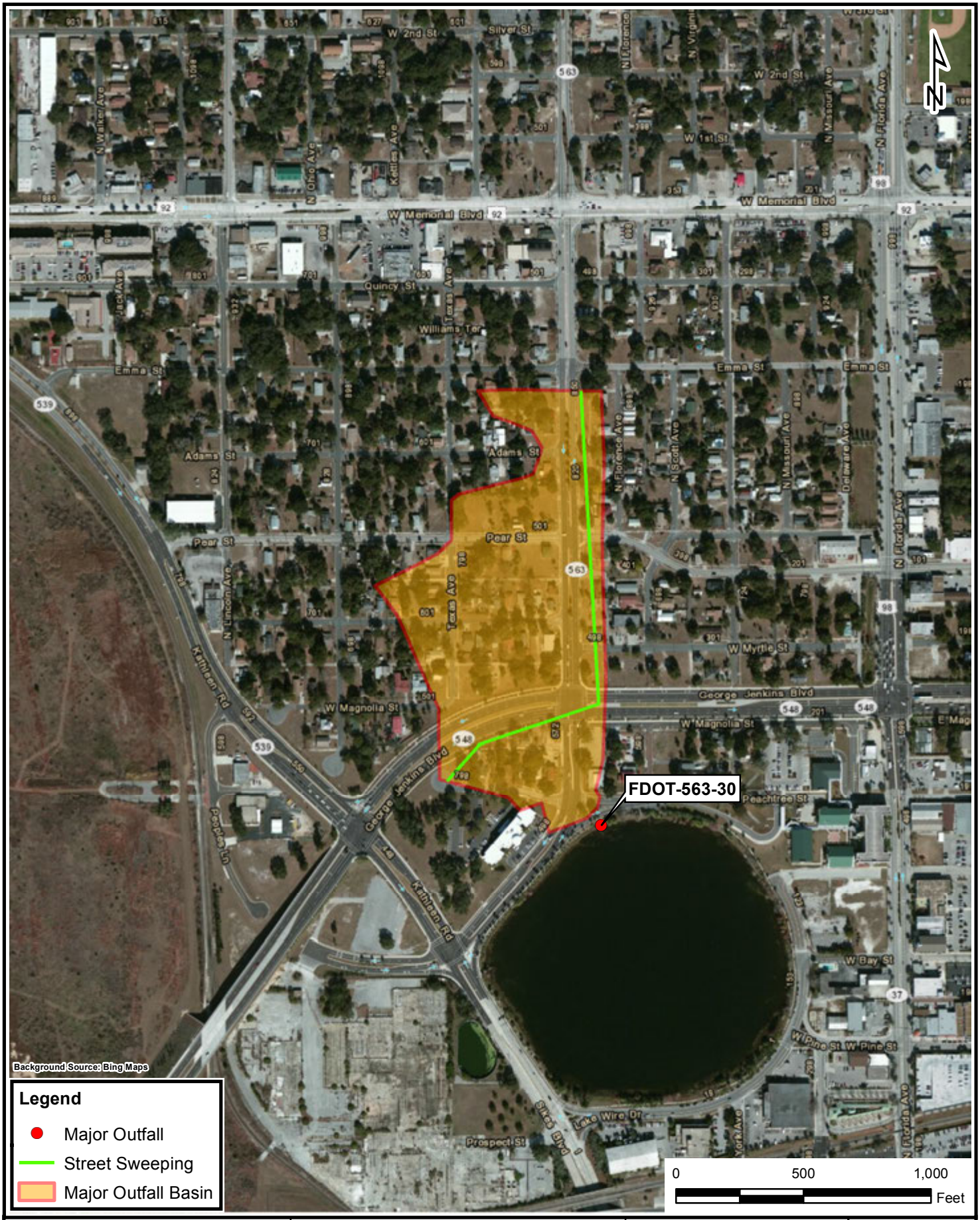

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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

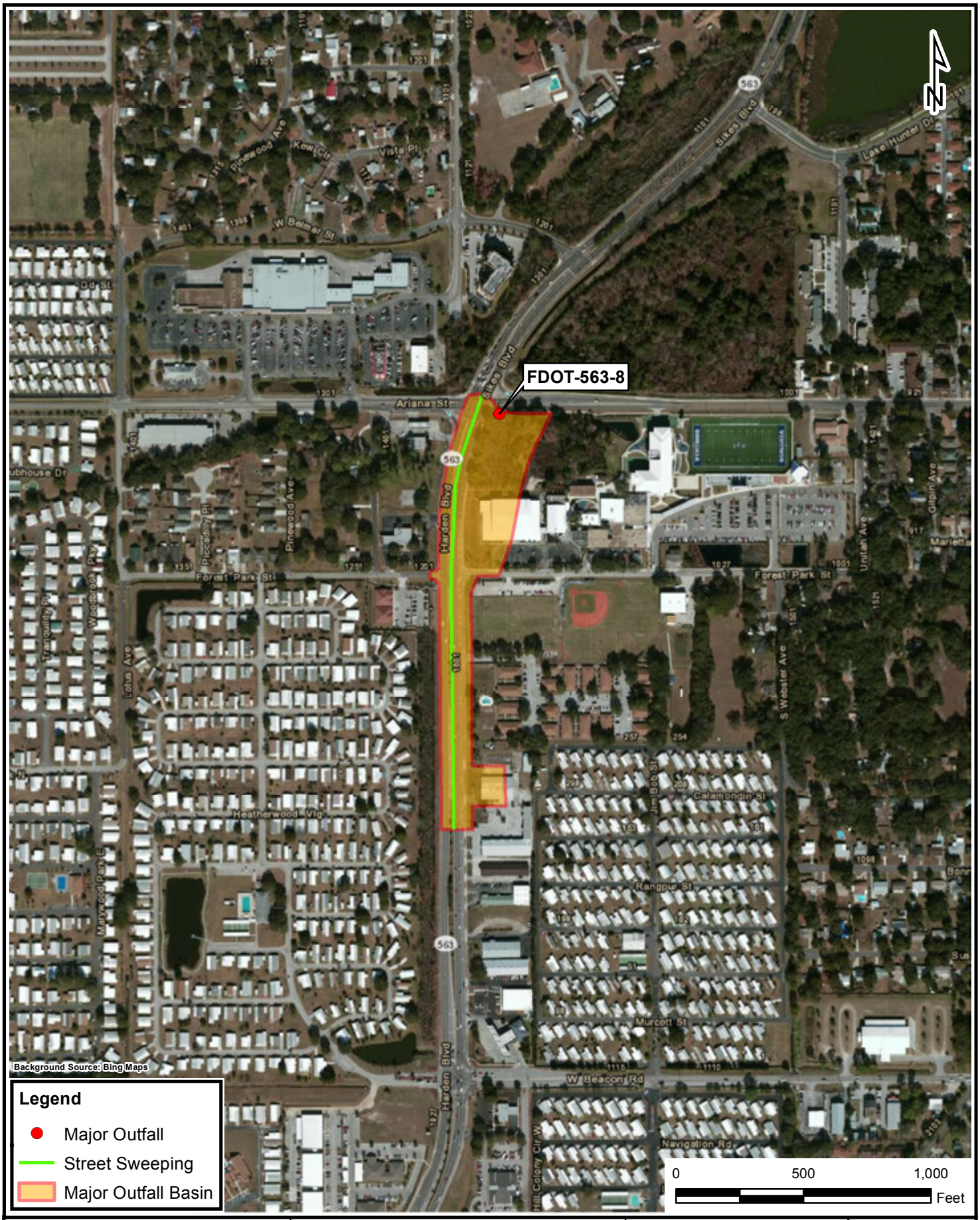
Polk County Major Outfalls

Major Outfall ID: FDOT-563-30

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE

69



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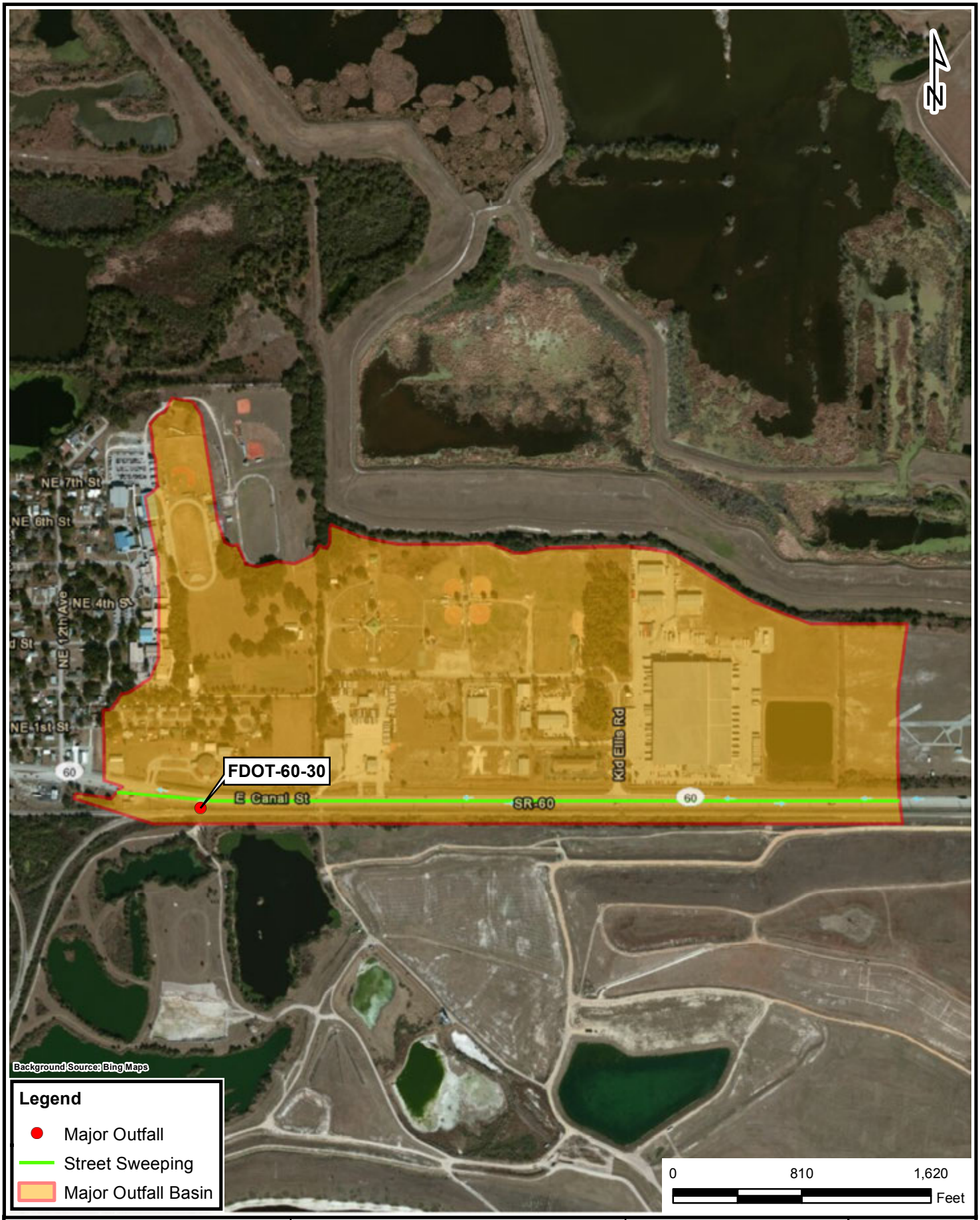
FDOT			**Polk County Major Outfalls**	Major Outfall ID: FDOT-563-8	FIGURE 70
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=500 '	DATE: 2/26/2014



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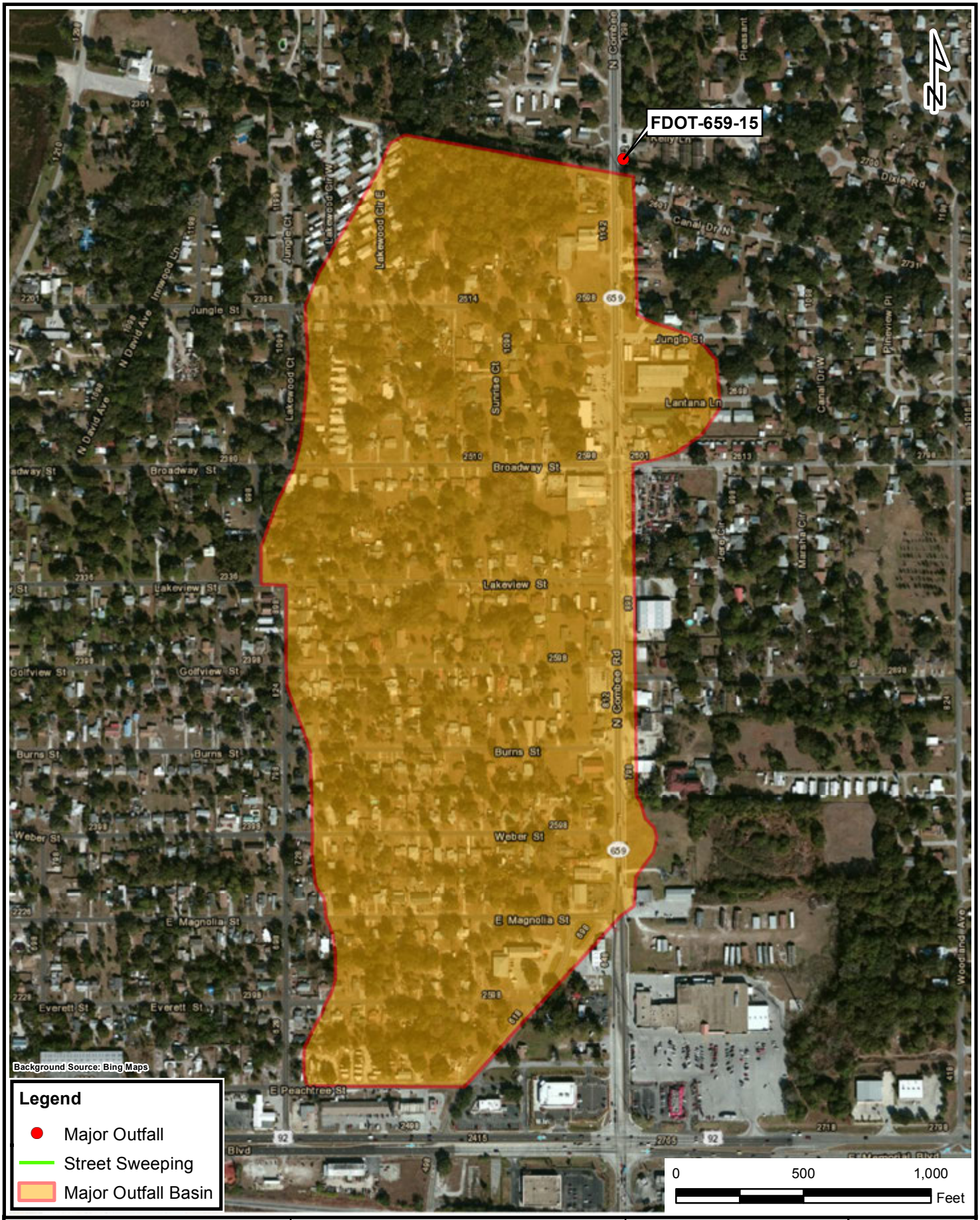
FDOT			**Polk County Major Outfalls**	Major Outfall ID: FDOT-60-30	FIGURE 71
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=800 '	DATE: 2/26/2014



FDOT

Polk County Major Outfalls

Major Outfall ID: FDOT-659-15

FIGURE 72

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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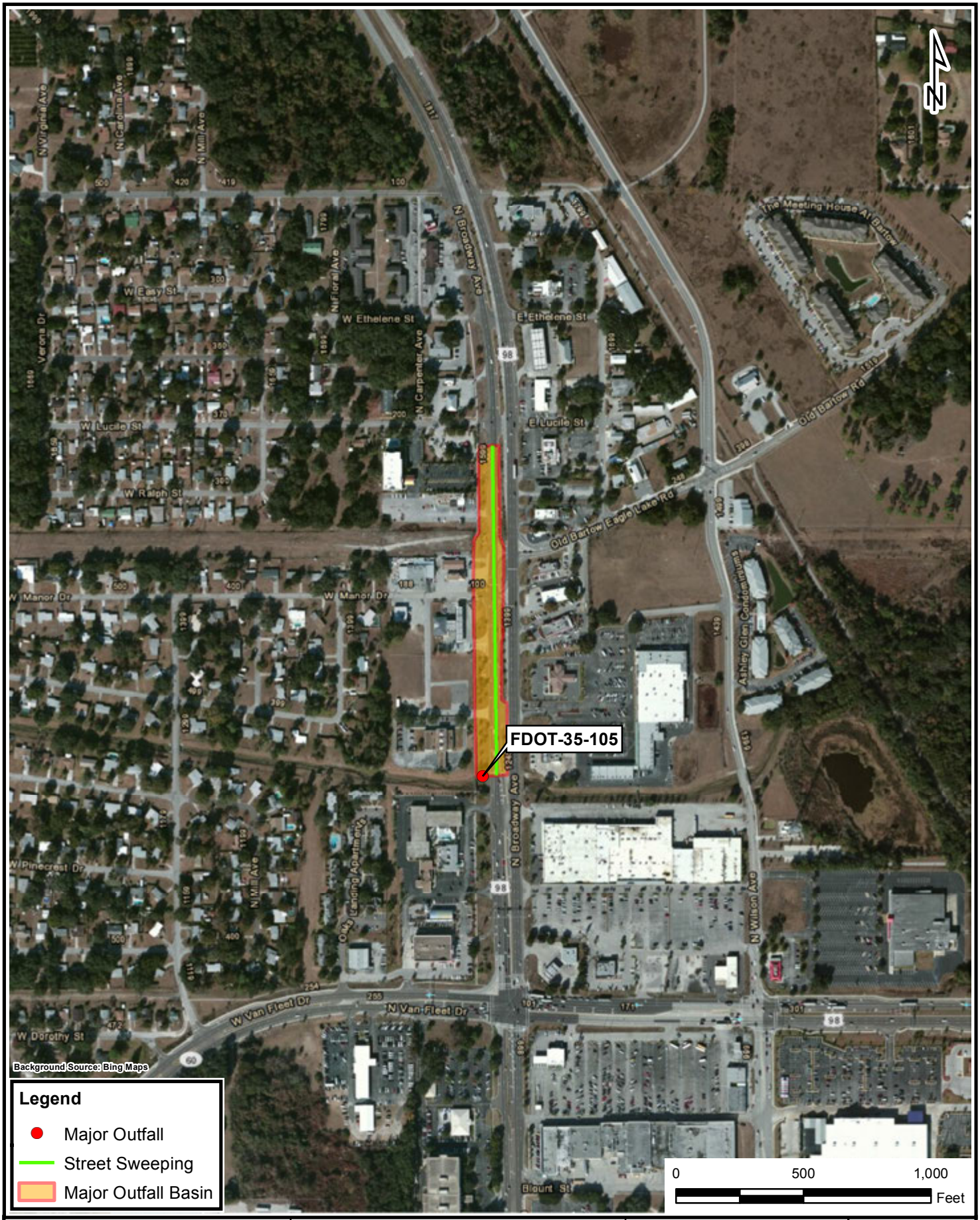

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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Polk County Major Outfalls

Major Outfall ID: FDOT-35-105

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE

73

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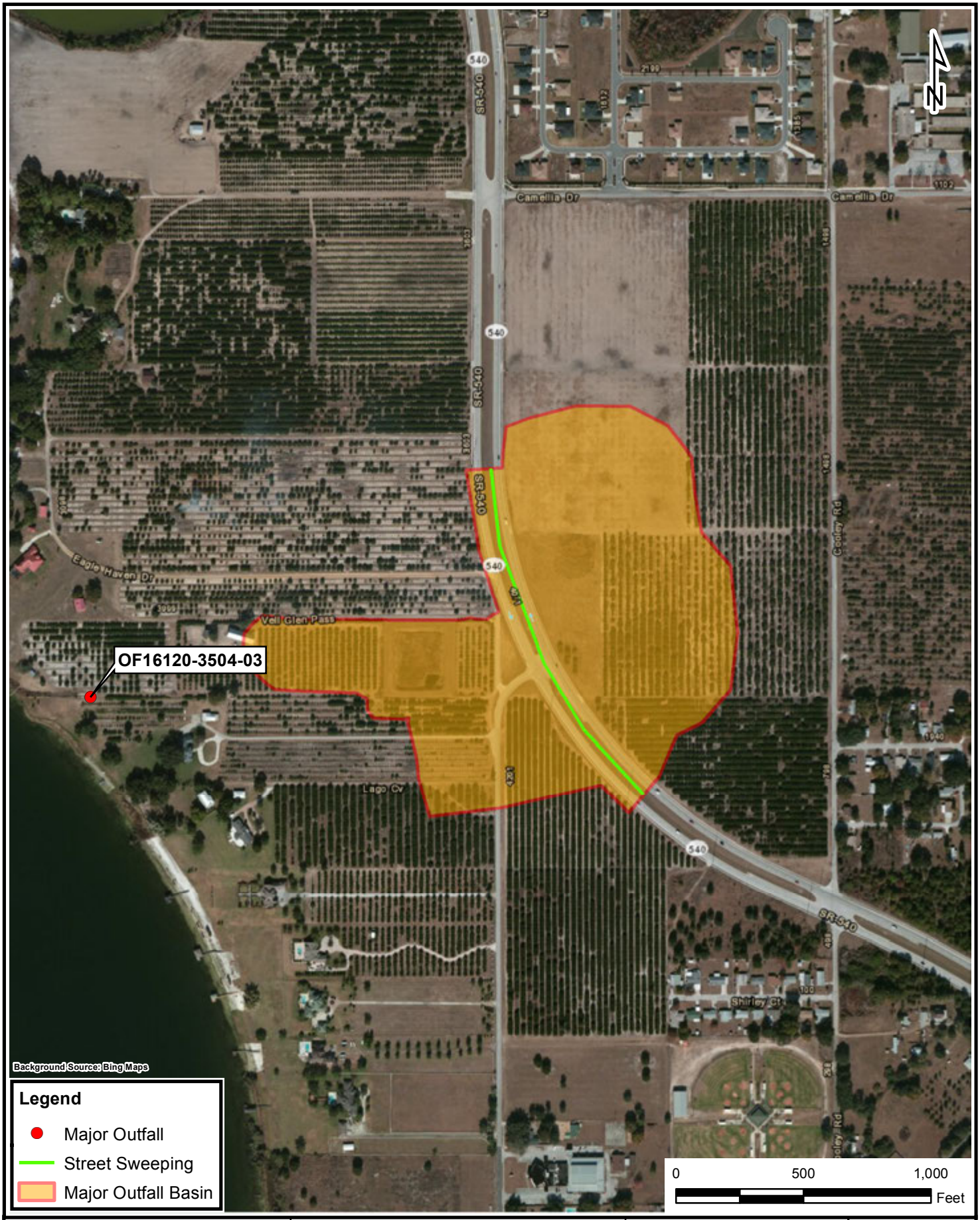
FDOT			**Polk County Major Outfalls**	Major Outfall ID: FDOT-35-155	FIGURE 74
DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029		SCALE: 1 "=800 '	DATE: 2/26/2014



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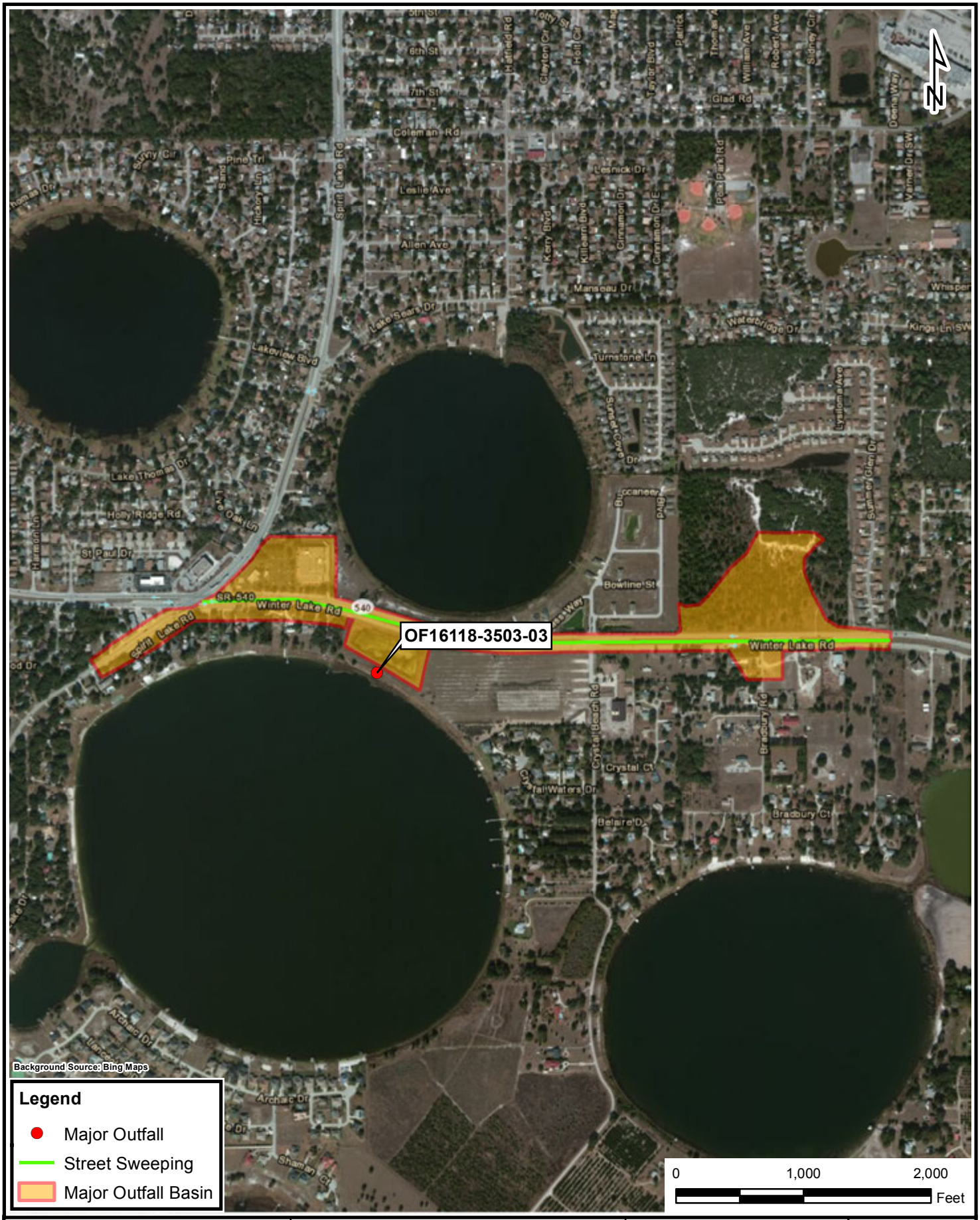
FDOT

Polk County Major Outfalls

Major Outfall ID: OF16120-3504-03

FIGURE 75

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014



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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

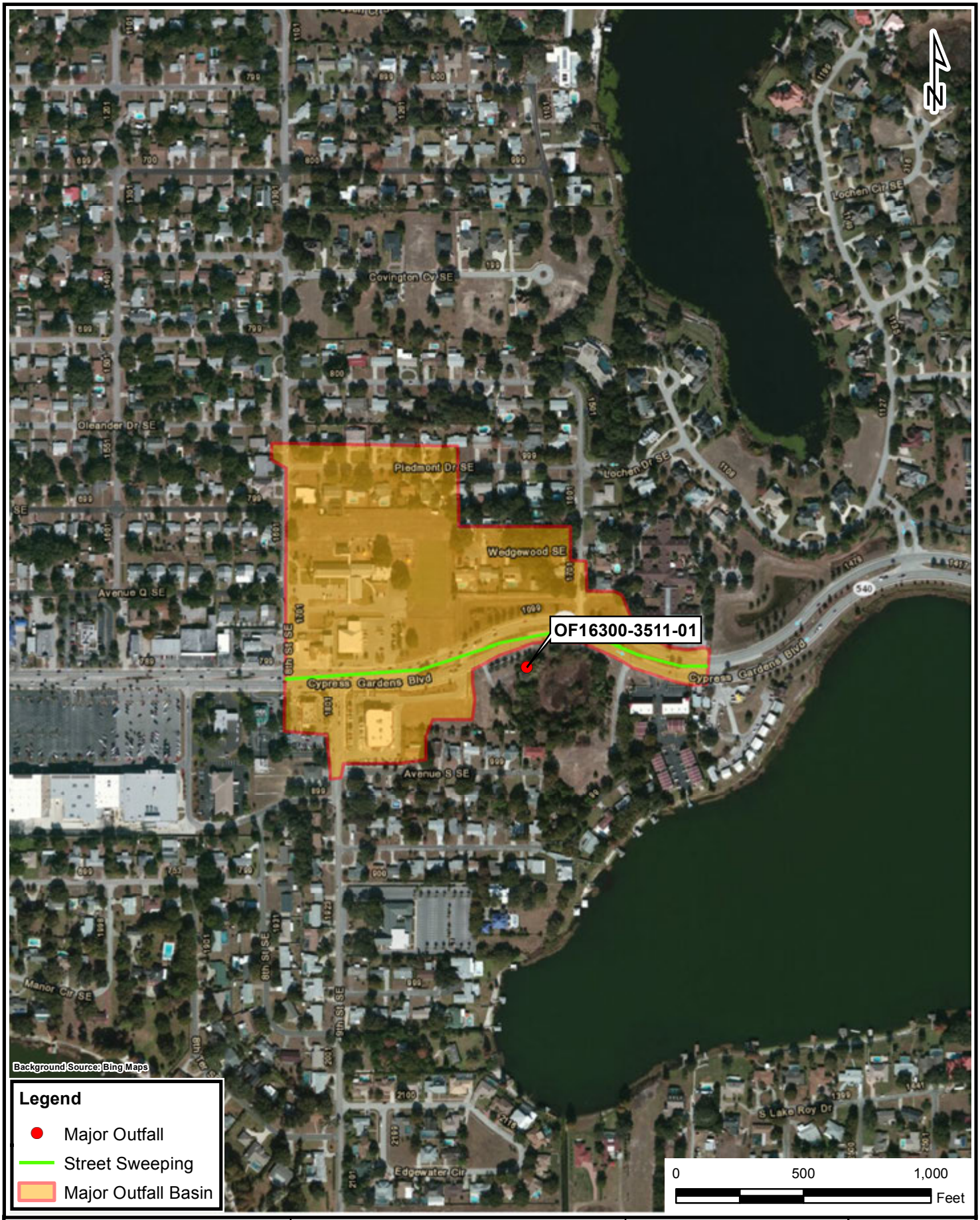
Polk County Major Outfalls

Major Outfall ID: OF16118-3503-03

SCALE: 1 "=1,000 '	DATE: 2/26/2014

FIGURE

76



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FDOT

Polk County Major Outfalls

Major Outfall ID: OF16300-3511-01

FIGURE 77

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

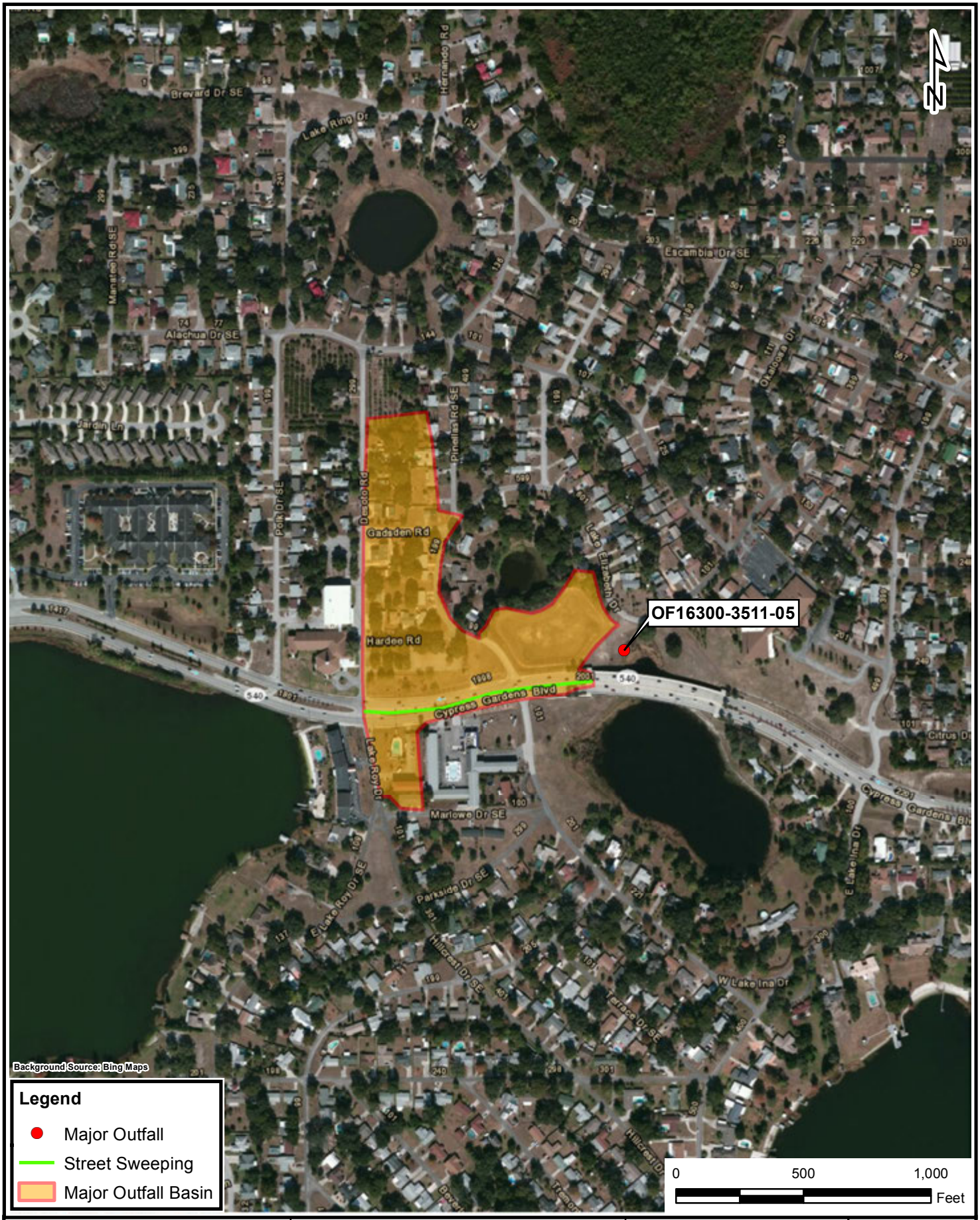
Polk County Major Outfalls

Major Outfall ID: OF16300-3511-03

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE

78



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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

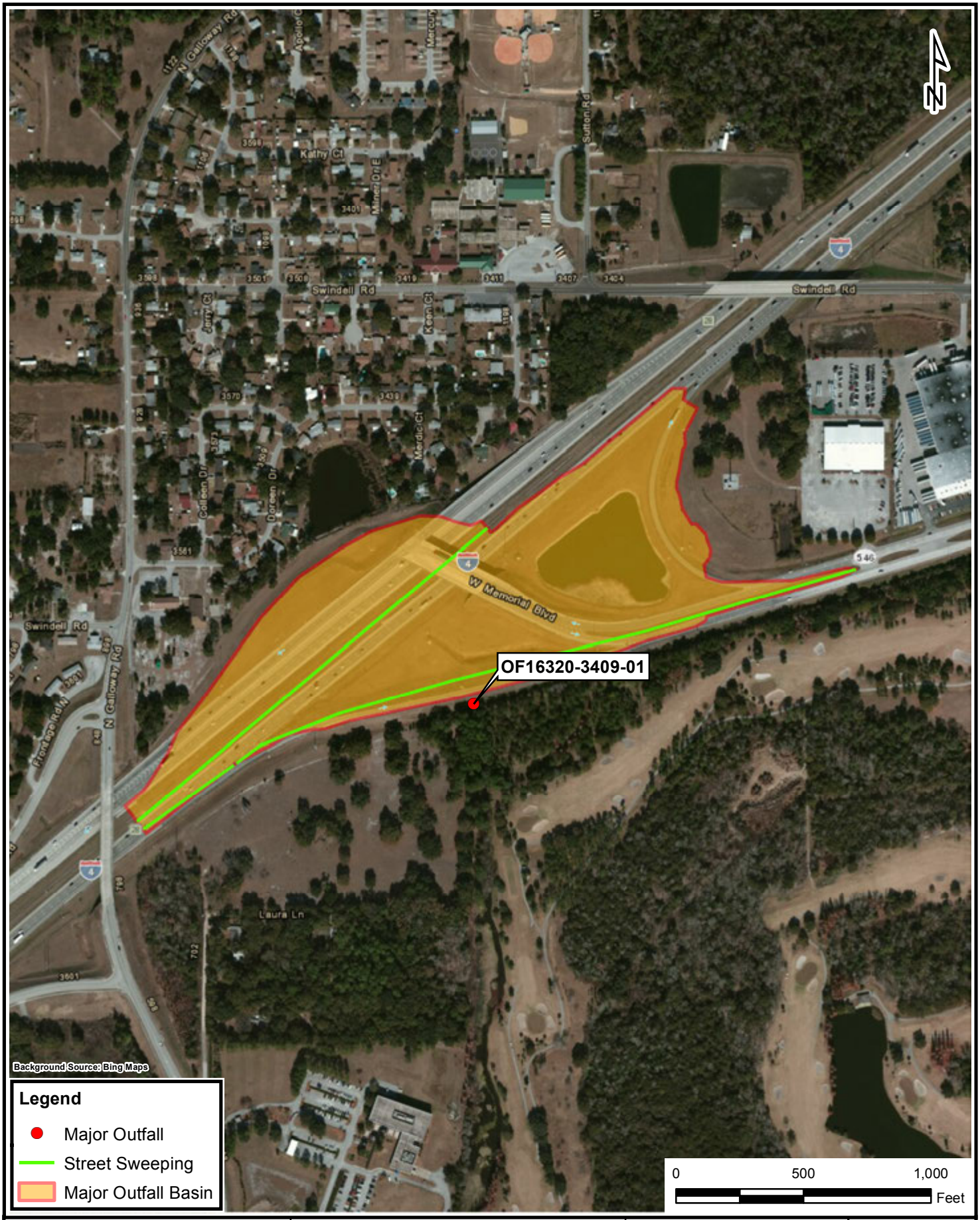
Polk County Major Outfalls

Major Outfall ID: OF16300-3511-05

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE

79



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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

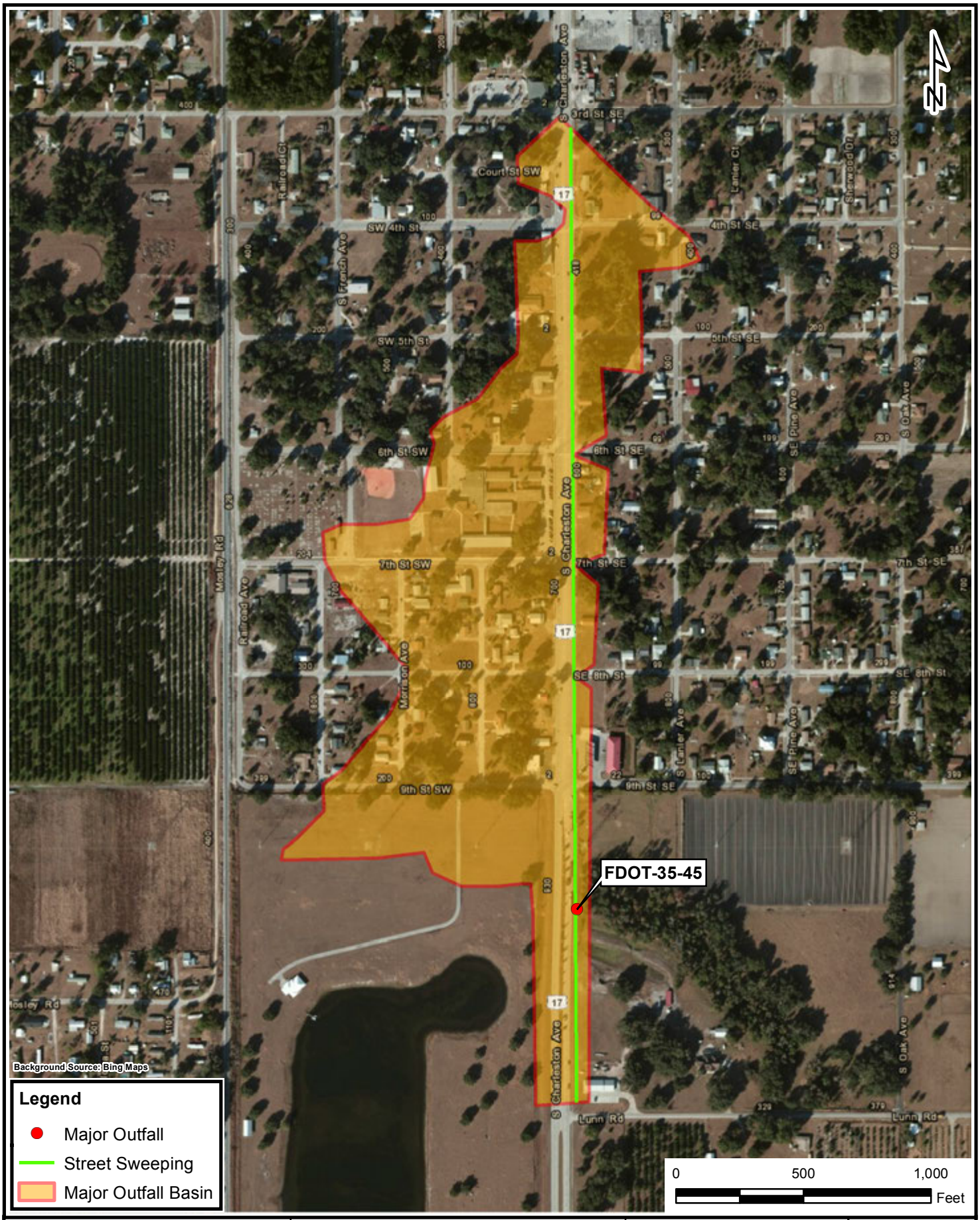
Polk County Major Outfalls

Major Outfall ID: OF16320-3409-01

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE

80



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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Polk County Major Outfalls

Major Outfall ID: FDOT-35-45

SCALE: 1 "=500 '	DATE: 2/26/2014

FIGURE

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FDOT

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029

Polk County Major Outfalls

Major Outfall ID: Polk4

SCALE: 1 "=700 '	DATE: 2/26/2014

FIGURE

82

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FDOT

Polk County Major Outfalls

Major Outfall ID: Polk5

FIGURE 83

DRAWN BY: DCR	CHECKED BY: HR	PROJECT NUMBER: 1-1464-029	SCALE: 1 "=500 '	DATE: 2/26/2014

Section F:

Total Annual Pollutant Load Estimates

Lee County Total Estimated Pollutant Loading to Water Bodies								
Outfall ID	State Road	County	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
Lee1	SR 41	LEE	224.2	30.4	1047.2	7699.1	26.7	17.7
Lee2	SR 41	LEE	84.9	12.1	343.7	2483.4	11.7	6.2
Lee4	SR 80	LEE	52.6	3.4	120.9	130.2	6.3	0.4
OF12060-3535-02	SR 78	LEE	100.6	6.6	255.8	537.9	5.5	1.3
OF12010-1957361-01	SR 41	LEE	416.7	31.6	1698.1	1859.5	16.3	3.5
OF12020-1956101-11	SR 80	LEE	102.6	6.6	242.9	262.5	12.8	0.9
OF12060-3535-03	SR 78	LEE	85.0	5.5	222.8	234.0	8.6	0.7
OF12060-3533-03	SR 78	LEE	238.6	16.9	797.3	1770.0	8.8	3.5
LE303	SR 31	LEE	55.8	7.5	313.9	2327.3	0.7	3.7
OF289	SR 867	LEE	189.8	29.0	998.9	6525.4	2.2	10.7
FM001	SR 80	LEE	202.8	15.7	644.3	1362.5	6.0	2.5
OF295	SR 41	LEE	125.4	17.8	631.7	4664.1	12.1	9.9
FM059	SR 41	LEE	179.5	25.7	954.4	7057.0	14.5	14.1
FM073	SR 80	LEE	487.2	72.4	2949.4	21497.8	13.3	36.5
FM078	SR 80	LEE	43.3	6.6	339.0	1265.7	0.9	2.1
OFS206	SR 80	LEE	306.8	46.1	1621.7	10719.6	5.6	18.0
OF12020-3530-02	SR 80	LEE	691.4	47.0	1546.0	3340.2	59.3	9.9
OF12040-3515-02	SR 867	LEE	305.8	20.5	787.2	1671.2	20.5	4.2
OF12040-3515-03	SR 867	LEE	111.7	7.4	257.4	539.7	8.7	1.5
OF12040-3514-01	SR 867	LEE	183.1	12.5	428.4	894.4	13.5	2.4
OF12004-3505-03	SR 865	LEE	116.9	7.6	280.8	611.4	9.6	1.7
OF12004-3505-04	SR 865	LEE	134.0	9.3	360.6	788.6	8.8	1.9
Lee County Totals:			**4438.9**	**438.2**	**16842.5**	**78241.3**	**272.6**	**153.3**

Wet Season Total Pollutant Load (June - Sept., 55%)					
2441.4	**241.0**	**9263.4**	**43032.7**	**149.9**	**84.3**

Dry Season Total Pollutant Load (Oct. - May, 45%)					
1997.5	**197.2**	**7579.1**	**35208.6**	**122.7**	**69.0**

Polk County Total Estimated Pollutant Loading to Water Bodies								
Outfall ID	State Road	County	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
OF16320-3408-11	SR 400	POLK	226.7	18.4	645.3	682.7	18.7	1.6
FDOT-37-50	SR 37	POLK	430.8	78.1	2788.7	10054.5	17.7	15.6
FDOT-540-70	SR 540	POLK	126.3	19.1	687.4	2497.4	17.7	5.5
FDOT-540-60	SR 540	POLK	338.0	49.2	1503.7	9789.7	23.9	20.4
FDOT-37-20	SR 37	POLK	106.5	15.8	615.0	4340.6	5.4	7.9
FDOT-37-15	SR 37	POLK	350.0	55.3	1467.5	8426.7	11.3	15.2
FDOT-37-10	SR 37	POLK	201.0	29.6	1129.9	8222.7	10.4	15.1
FDOT-37-65	SR 37	POLK	300.0	46.5	1461.2	8997.6	3.2	14.8
FDOT-35-170	SR 35	POLK	176.5	27.5	903.7	6258.2	8.4	11.3
FDOT-563-15	SR 563	POLK	191.3	38.1	881.5	5735.6	3.0	7.6
FDOT-563-25	SR 563	POLK	135.3	18.2	550.5	4001.2	18.6	10.2
FDOT-600-10	SR 92	POLK	29.0	6.3	219.7	867.1	0.1	0.8
FDOT-544-90	SR 544	POLK	163.3	23.6	892.3	6606.1	11.8	12.8
FDOT-600-275	SR 92	POLK	322.7	51.6	1473.6	9933.2	18.7	17.3
FDOT-60-25	SR 60	POLK	112.2	16.6	473.6	2969.9	7.8	6.3
FDOT-546-30	SR 92	POLK	656.1	99.2	3345.2	22318.3	22.5	39.7
FDOT-546-75	SR 92	POLK	214.3	31.9	1282.3	9524.7	9.2	16.9
FDOT-600-30	SR 92	POLK	191.8	27.9	809.1	5997.3	26.5	14.1
FDOT-600-210	SR 92	POLK	42.2	7.9	208.0	1560.7	3.0	2.3
FDOT-655-10	SR 655	POLK	352.2	73.4	2688.7	10541.5	1.9	10.9
FDOT-555-25	SR 17	POLK	86.4	12.9	430.4	2918.0	4.4	5.5
FDOT-35-65	SR 17	POLK	56.0	7.7	378.1	966.5	7.9	2.2
FDOT-555-30	SR 17	POLK	130.9	19.6	764.8	5466.9	3.5	9.3
FDOT-35-100	SR 98	POLK	387.1	63.6	4105.0	8089.5	6.8	11.3
FDOT-37-60	SR 37	POLK	413.1	63.2	2119.1	13573.2	4.7	22.3
FDOT-60-130	SR 60	POLK	49.2	6.5	196.7	664.8	9.0	1.9
FDOT-555-35	SR 17	POLK	82.4	10.5	324.9	2360.6	13.1	6.5
FDOT-555-40	SR 17	POLK	105.1	6.7	241.3	528.6	6.5	1.3
FDOT-555-55	SR 17	POLK	251.2	39.1	1551.4	11303.2	3.4	18.1
OF187	SR 17	POLK	371.5	56.3	2154.2	15024.8	4.9	24.6
FDOT-555-85	SR 17	POLK	341.0	51.2	2225.8	16592.3	5.2	27.1
FDOT-542-05	SR 542	POLK	249.1	37.7	1688.9	5787.6	4.1	9.5
FDOT-540-65	SR 540	POLK	239.2	34.3	1465.6	5288.0	24.4	10.6
FDOT-60-45	SR 60	POLK	242.1	38.0	5625.0	5752.8	25.1	8.8
FDOT-60-35	SR 60	POLK	88.7	12.0	3347.2	2271.0	6.8	3.5
FDOT-600-280	SR 92	POLK	84.7	14.9	594.5	2267.4	4.5	3.3
FDOT-600-235	SR 92	POLK	102.2	14.0	438.0	3206.4	14.0	8.0
FDOT-60-20	SR 60	POLK	86.7	12.0	386.3	2772.1	10.2	6.5
FDOT-546-15	SR 92	POLK	143.3	23.1	763.9	5339.6	4.9	8.7
FDOT-35-135	SR 35	POLK	462.1	79.7	2480.6	7978.4	23.4	12.3
FDOT-35-145	SR 35	POLK	564.0	81.4	3278.5	11094.8	45.9	21.9
FDOT-35-50	SR 17	POLK	662.5	100.4	3595.6	23966.5	8.1	39.3
FDOT-539-5	SR 539	POLK	751.4	112.8	3960.1	12025.2	42.2	22.7
FDOT-540-75	SR 540	POLK	235.5	40.4	1232.8	4098.8	18.4	7.4
FDOT-542-07	POLK	POLK	11.9	1.8	65.7	443.4	0.1	0.7
FDOT-544-115	SR 544	POLK	739.6	117.4	3764.1	26291.8	37.6	46.6
FDOT-563-30	SR 563	POLK	152.8	22.8	566.6	3116.5	9.8	7.0
FDOT-563-8	SR 563	POLK	63.2	4.3	149.6	325.7	5.2	0.9
FDOT-60-30	SR 60	POLK	786.2	133.1	6686.2	21112.4	36.4	31.4

Polk County Total Estimated Pollutant Loading to Water Bodies								
Outfall ID	State Road	County	TN (lb/yr)	TP (lb/yr)	BOD_5 (lb/yr)	TSS (lb/yr)	Total Cu (lb/yr)	Total Zn (lb/yr)
FDOT-659-15	SR 659	POLK	707.4	115.4	3348.3	20404.7	6.8	32.2
FDOT-35-105	SR 98	POLK	18.4	2.5	89.4	326.2	3.6	0.9
FDOT-35-155	SR 98	POLK	743.7	63.1	2313.9	5059.5	25.7	8.9
OF16120-3504-03	SR 540	POLK	11.2	1.4	40.3	143.6	2.6	0.5
OF16118-3503-03	SR 540	POLK	119.1	7.9	359.7	376.1	10.2	1.0
OF16300-3511-01	SR 540	POLK	41.9	6.2	262.4	923.2	3.0	1.7
OF16300-3511-03	SR 540	POLK	44.7	3.0	130.3	140.8	4.4	0.4
OF16300-3511-05	SR 540	POLK	23.7	3.5	141.7	481.5	1.6	0.9
OF16320-3409-01	SR 400	POLK	140.3	9.0	336.7	362.2	17.9	1.2
FDOT-35-45	SR 35	POLK	142.3	21.3	742.0	2184.5	6.0	4.0
Polk4	SR 400	POLK	185.9	13.2	495.2	537.7	20.3	1.5
Polk5	SR 539	POLK	224.1	45.6	1306.8	10137.3	6.0	11.3
Polk County Totals:			**15007.8**	**2243.5**	**88174.7**	**401029.7**	**738.2**	**689.8**

Wet Season Total Pollutant Load (June - Sept., 55%)					
8254.3	**1233.9**	**48496.1**	**220566.3**	**406.0**	**379.4**

Dry Season Total Pollutant Load (Oct. - May, 45%)					
6753.5	**1009.6**	**39678.6**	**180463.4**	**332.2**	**310.4**

Section G:

Comparison of Annual Pollutant Load Estimates

Florida Department of Transportation, District One
Lee and Polk County NPDES Phase I MS4 Permit
(Cycle 3, Year 3)

Section G – Comparison of Annual Pollutant Load Estimates

The NPDES Phase I MS4 Cycle 3 permits for Lee and Polk counties Part V.A.1. Annual Loadings and Event Mean Concentrations require permittees to provide estimates of the annual pollutant load and event mean concentration for six parameters at each major outfall or major watershed within the MS4. The permit states that a table should be included to compare the current estimated annual pollutant loadings with those from the previous two Year 3 annual pollutant loading estimates from FDOT's MS4.

A comparison of the estimates of annual pollutant loads from FDOT's MS4 cannot be provided due to a change in pollutant load calculation methods and lack of historic data. The previous Year 3 annual pollutant loading estimates were developed by the lead permittee (Lee and Polk County) on a watershed basis. For the Cycle 3 permit, FDOT District One developed annual pollutant load estimates for each major outfall. FDOT District One believes this approach is a more accurate and appropriate method for estimating annual pollutant loads from FDOT's MS4. Further, this approach will allow FDOT to better evaluate the effectiveness of its stormwater management program.

The estimated annual pollutant loads reported this year will be used as FDOT District One's baseline for future Year 3 pollutant load comparisons as well as to assist in the evaluation of the effectiveness of District One's stormwater management program.

Lee County Comparison of Annual Pollutant Loadings

Parameter	Cycle 3, Year 3 Estimate (lb/yr)	Cycle 4, Year 3 Estimate (lb/yr)
Total Nitrogen	4,438.9	-
Total Phosphorus	438.2	-
BOD	16,842.5	-
TSS	78,241.3	-
Total Cu	272.6	-
Total Zn	153.3	-

Polk County Comparison of Annual Pollutant Loadings

Parameter	Cycle 3, Year 3 Estimate (lb/yr)	Cycle 4, Year 3 Estimate (lb/yr)
Total Nitrogen	15,007.8	-
Total Phosphorus	2,243.5	-
BOD	88,174.7	-
TSS	401,029.7	-
Total Cu	738.2	-
Total Zn	689.8	-


FDOT

APPENDIX C

NPDES Fiscal Analysis
(Permit Section IV.A and B)

Fiscal Analysis
(Permit Section IV.A and B)

Item	**Documentation/Record**	**Totals**
Total expenditures for the NPDES stormwater management program for the current reporting year	FDOT Work Program	$1,822,180.00
Total budget for the NPDES stormwater management program for the subsequent reporting year		$1,739,921.00*

* Please note that FDOT's expenditures are restricted to legislative approval. Funding for the Department's NPDES stormwater management program are anticipated to be slightly less from the previous year. However, FDOT believes this will not have any negative impact on the continued successful implementation of the Department's stormwater management program.