



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: Lee County
B.	Permit Name: Lee County Municipal Separate Storm Sewer System
C.	Permit Number: FLS000035-003 (Cycle 3)
D.	Annual Report Year: Year 1 Year 2 <input checked="" type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:
E.	Reporting Time Period (month/year): Oct / 2013 through Sept / 2014
F.	Name of the Responsible Authority: David Harner Title: Assistant County Manager Mailing Address: 1500 Monroe Street City: Ft Myers Zip Code: 33901 County: Lee Telephone Number: 239-533-7408 Fax Number: 239-533-8335 E-mail Address: dharner@leegov.com
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Keith Kibbey Title: Operations Manager Department: Natural Resources Mailing Address: 1500 Monroe Street City: Ft Myers Zip Code: 33901 County: Lee Telephone Number: 239-533-8129 Fax Number: 239-485-8408 E-mail Address: kkibbey@leegov.com

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): 0 (Does this number include non-major outfalls? Yes No <input checked="" type="checkbox"/> Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? Yes No <input checked="" type="checkbox"/> Not Applicable)
C.	Is the change in the total number of outfalls due to lands annexed or vacated? Yes No <input checked="" type="checkbox"/> Not Applicable

SECTION III. MONITORING PROGRAM

	Provide a brief statement as to the status of monitoring plan implementation:	
A.	There have been no changes in the monitoring plan implementation. During this year, samples were collected and processes at all sites, which had enough water present to sample on their scheduled event. All data has been uploaded to Florida STORET and is available for use in basin assessments.	
	Provide a brief discussion of the monitoring results to date:	
B.	The Lee County Monitoring Program is based on monthly grab samples at locations throughout the County, conceptually providing an understanding of the ambient water quality in both the MS4 and natural streams. Since the third year loading comparisons only look at three separate water years, 2001, 2007, and 2013, and the loading is mostly rainfall driven, for the water quality discussion we looked at concentrations, over the period of record, from the major outfalls for the parameters which showed an increasing load. This is the first year we have looked at major outfalls, in the past we have looked at our most downstream site and made inferences about the entire watershed. Of the eight site-parameter pairs showing increased loading, five occurred at our 10 Mile Canal outfall site. Please see ATTACHMENT	
C.	Attach a monitoring data summary, as required by the permit.	Please see ATTACHMENT

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$ 16,842,338 <i>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. – SEE ATTACHMENTS</i>	
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$ 22,060,943	

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):

Attached	N/A	***DEP Note: Please complete Checklists A & B at the end of the tailored form.***
X		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.
X		A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.
	X	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.
X		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.
	X	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): David Harner

Title: Assistant County Manager

Signature:  Date: 3/26/2015

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								
<p>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.</p> <p>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.</p> <p>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 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.</p>									
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	Percentage Maintained				
Grass treatment swales (miles)	22	22	100	132	100	Sarah Clarke e-mail "NPDES Year 3 Grass Treatment Swales" 2/10/15; Drainage Structure Inspections (DSI); Super Search 17 (120,121,123,124)	Lee County DOT Ehab Guirguis, eguiguis@leegov.com (LDOT)	Annual Inspection (Colonial, A&W Bulb, Daniels, Three Oaks)	
Wet detention systems	113	113	100	74	65	SDE_RO.DOT.Ponds; DSI; Benchmark (BMK) 50(430)	LDOT	Annual Inspection	
Pollution control boxes	35	140	100	68	100	SDE_RO.DOT.Drainage Structures; DSI, Super Search (storm captor) 41(300, 304)		Quarterly Inspection	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity			C. Number of Activities Performed		D. Documentation / Record	E. Entity Performing the Activity	F. Comments	
	Major stormwater outfalls	52	52	100	0	0	RO.DOT.DrainageOutfall_Major; S:\NPDES\Annual Cycle 3,Year 3\ Data\PIP INV and Outfalls	No maintenance required	
	Weirs or other control structures	21	45	100	45	100	SDE_RO.DOT.Drainage Structures; BMK 55(444)	Annual Inspection	
	Canals and Levees(miles)	163	163	100	41	25	SDE_RO.DOT.Drainage Flow_ways; DSI; BMK 50(410,425)	Annual Inspection	
	MS4 pipes / culverts (miles)	328	328	100	11	3	SDE_RO.DOT.Drainage Pipes; DSI, BMK 41(302)	Annual Inspection	
	Inlets / catch basins / grates (each)	11,367	11,367	100	1,420	12	SDE_RO.DOT.Drainage Structures; DSI, BMK 39 (340,345) & 41 (300,304,306)	Annual Inspection	
	Ditches / conveyance swales (miles)	9,816	9,816	100	2,300	23	SDE_RO.DOT.Road Centerline; DSI, BMK 17(122), 30(179,183)	Annual Inspection	
	ATTACH explanation if any of the minimum inspection frequencies in Table II.A.1.a were not met								
	Year 1 ONLY: Attach a map of all known major outfalls								
Part III.A.2	Areas of New Development and Significant Redevelopment								
	Report the number of significant redevelopment projects reviewed by the permittee for post-development stormwater considerations.								
	<i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.</i>								
	Number of significant redevelopment projects reviewed				20		Tidemark Query Description of Project	B Dickson, Development Review, bdickson@leegov.com	
	Provide in the Year 2 Annual Report the summary report of the review of local codes activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation of modifying codes to allow low impact design BMPs.								
	<i>DEP Note: Refer to Part III.A.2 of the permit for details regarding what the review entails, and what must be included in the summary report and follow-up report. Please provide the title of the attached report in Column D and the name of the entity who finalized the report in Column E.</i>								
	Year 2 ONLY: Attach the summary report of the review activity								
	Year 4 ONLY: Attach the follow-up report on plan implementation								

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.					
PERMITTEE Litter Control Program: Frequency of litter collection		daily	Litter Collection SOP	LDOT	5 days/week
PERMITTEE Litter Control Program: Estimated amount of area maintained (miles)		3,204	SDE_RO.DOT.Road Centerline		
PERMITTEE Litter Control Program: Estimated amount of litter collected (tons)		837	BMK 14 (112,114)		
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.					
Keep Lee County Beautiful (KLCB): Total miles cleaned		91	2/9/15 e-mail Trish Francher, Program Coordinator, klc32@cs.com	Volunteers	
KLCB: Estimated amount of litter collected (tons)		34			
Adopt-A-Road Program: Total miles cleaned		227	Sheri De La Cruz sdelacruz@leegov.com	LDOT, Volunteers	
Adopt-A-Road Program: Estimated amount of litter collected (cubic yards)		241			
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.					
Frequency of street sweeping		daily	SOP	LDOT, Sheri de la Cruz	5 days/week
Total miles swept		2,181	BMK 14 (115)		
Estimated quantity of sweeping material collected (tons)		645	Work Order Code 98450		
Total nitrogen loadings removed (pounds)		726	MS4 Load		
Total phosphorus loadings removed (pounds)		466	Reduction Tool		
Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned					
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.					
		Number of Inspections			
Name of facility : LDOT Operations Zip Drive		1	S:\NPDES\Facility Sites\Lee County Municipal\Equipment-Maintenance Yards	DNR, Simmons, Hubbard	

Part III.A.4	Flood Control Projects				
<p>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. Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs.</p> <p><i>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.</i></p>					
Flood control projects completed during the reporting period		56	S:\NPDES\ANNUAL\Cycle 3, Year 3 2013-2014\Projects Completed Fiscal 2013/2014	DNR, Anura Karuna-Muni akaruna-muni@leegov.co	
Flood control projects completed during the reporting period that did not include stormwater treatment		22			attached
ATTACH a list of the flood control projects that did not include stormwater treatment and an explanation for each of why it was not			Flood Control Projects/ Maintenance		Palmona Park WQ, Spanish Creek Restoration Ph 2, Three Oaks Pkwy, Six Mile North
Stormwater retrofit projects planned		4	S:\NPDES\ANNUAL\Cycle 3, Year 3 2013-2014\Projects Completed Fiscal 2013/2014; e-mail Karuna-Muni 12/5/14; e-mail Cathy Olson 1/28/15		No ongoing retrofit activity
Stormwater retrofit projects under construction during the reporting period		0			Bob Janes, Popash Creek, Samville Crossing @ E Daughtrey, Spanish Creek Ph 1
Stormwater retrofit projects completed during the reporting period		4			

Part III.A.5	Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit				
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Annually review (and revise, as needed) and implement the permittee's 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:

- Operating municipal landfills;
- Municipal waste transfer stations;
- Municipal waste fleet maintenance facilities; and
- Any other municipal waste treatment, waste storage, and waste disposal facilities.

Report the number of applicable facilities and the number of the inspections conducted for each facility.

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, and where solid waste collection vehicles are parked and/or maintained. 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: Alva Dump	1	S:\NPDES\Industrial and Proactive Facilities\Lee County Municipal\Non-permitted Municipal Storage\Cycle 3, Year 3	DNR, Simmons, Hubbard	Ditching Material Temporary Storage
Name of facility #2: Buckingham Dump	1			
Name of facility #3: Six Mile Dump	1			
Name of facility #4: Lehigh Depot	1			
Name of facility #5: Polishing Ponds	1			
Name of facility #6: Orchid Dump	1			

Part III.A.6	Pesticides, Herbicides, and Fertilizer Application			
<p>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.</p>				
PERSONNEL: Florida Department of Agriculture and Consumer Services (FDACS) certified applicators of pesticides and herbicides	11	Active License Report 2-20-15.pdf 2/20/15 Adrienne Solomon	LDOT	
CONTRACTORS: FDACS certified / licensed applicators of pesticides and herbicides	70	NPDES Report Pest Applicator.xlsx 2/2/15 Diana Kan LC Purchasing 344-5450	P & T Lawn and Tractor, Superior Landscaping, Amera-Tech, Allstate Property Services, Landscape Dimensions, Hannula, Championship Landscape, ProCut Lawn Care	
CONTRACTORS: FDACS certified / licensed applicators of fertilizer	8	Lee Co List of Fertilizer Cert Applicators e-mail Pamela Fries 2/9/15	Amera-Tech, Hannula, Allstate Property Services, Landscape Dimensions, Championship Landscape, Superior Landscaping, ProCut Lawn Care	
PERSONNEL: Green Industry BMP Program training completed	38	http://fyn.ifas.ufl.edu/professionals/certification_lists/cert_county_name.shtml	Countywide	
CONTRACTORS: Green Industry BMP Program training completed	16	NPDES Report Pest Applicator.xlsx 2/2/15 Diana Kan LC Purchasing 344-5450	P & T Lawn & Tractor, Amera-Tech, Allstate property Services, Landscape Dimensions, Hannula, Championship Landscape	
<p>Pursuant to SB 2080 (2009), all local governments are encouraged to adopt a Florida-friendly Landscaping Ordinance similar to the one set forth in the document "Florida-friendly Guidance Models for Ordinances, Covenants and Restrictions." If the broader Florida-friendly ordinance described above is not adopted, then all local governments within the watershed of a nutrient-impaired water body shall adopt the Department's Model Ordinance for Florida-Friendly Fertilizer Use on Urban Landscapes pursuant to SB 494 (2009) or an ordinance that includes all of the requirements set forth in the Model Ordinance. The ordinance shall be adopted within 24 months of the date of permit issuance. Provide a copy of the adopted ordinance with the subsequent Year 1 or Year 2 Annual Report.</p>				
<p><i>DEP Note: Please provide the title and citation of the ordinance in Column D, and the name of the entity who finalized the ordinance in Column E.</i></p>				
Year 1 or Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance		Lee County Ordinance 08-08	Board of County Commissioners	
<p>During Year 1 of the permit, develop and implement a written public education and outreach program plan to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers, including the type and number of activities conducted, the type and number of materials distributed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable).</p>				
<p><i>DEP Note: Lee County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Lee County). The co-permittees are to report just the public education and outreach activities that they performed.</i></p>				
<p align="center">FYN PROGRAM FUNDING: Permittee Provides Funding? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount of Funding = \$56,500* *County-wide ad valorem taxes</p>				
Estimated percentage of the population reached by the activities in total FYN & FFL: Brochure/Flyers/Fact sheets distributed Newspaper/magazine articles published/distributed	12	Stephen Brown, FYN	Florida Yards and	
	99,632	Extension agent	Neighborhoods	
	35	"NPDES 2013 – 2014	(FYN) & Florida	

	Newspaper/magazine circulation	210,000	Data " 12/9/14 sbrown@leegov.com	Friendly Landscaping (FFL)	
	Youtube Videos viewed	121,831			
	FYN & FFL: Neighborhood presentations: Number of participants	4,625			
	FYN & FFL: Neighborhood presentations: Number conducted	72			
	FYN & FFL: Public displays (e.g., kiosks, storyboards, posters, etc.)	24			
	FYN FFL: Radio or television Public Service Announcements (PSAs)	6			
	FYN & FFL: School presentations: Number conducted	12			
	FYN & FFL: School presentations: Number of participants	221			
	FYN & FFL: Seminars/Workshops: Number conducted	28			
	FYN & FFL: Seminars/Workshops: Number of participants	3,889			
	FYN & FFL: Special events: Number conducted	4			
	FYN FFL: Special events: Number of participants	6,300			
	Web Site: Number of hits / visitors to the stormwater-related pages	337,000			

Part III.A.7.a Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures

Where applicable, strengthen the legal authority to conduct inspections, conduct monitoring, control illicit discharges, illicit connections, illegal dumping and spills into the MS4 and to require compliance with conditions in ordinances, permits, contracts, and orders. **Report amendments, as needed.**

DEP Note: If applicable, please provide the title of the attached report in Column D and the name of the entity who finalized the report in Column E.

ATTACH a report on any amendments to the applicable legal authority				No amendments
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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. **Report on the proactive inspection program, including the number of inspections conducted, the number of illicit activities found, and the number and type of enforcement actions taken.**

DEP Note: Lee County is to report the ONLY the proactive inspections it performed in the unincorporated areas of Lee County – any proactive inspections it performed in the co-permittees' jurisdictions are to be reported by the co-permittees. Each co-permittee is to report the Lee County proactive inspections in their jurisdiction separately from the proactive inspections that the co-permittee performed itself.

Proactive inspections for suspected illicit discharges / connections / dumping	101	S:\NPDES\Proactive- High Risk – Industrial Facilities	DNR, Hubbard, Simmons	
Illicit discharges /connections/dumping found during proactive inspection	5			
Warning citations issued for illicit discharges / connections / dumping found during a proactive inspection	2	S:\NPDES\Enforcement\Citation and Stop Work Data		
Fines issued for illicit discharges / connections / dumping found during a proactive inspection	0			Compliance obtained sans fines
Landscape Ordinance 08-08 Compliance Inspections	49	S:\NPDES\Annual Reports\Year 3, Cycle3\08-08 Inspections 10-13 thru 9-14.xlxs	DNR Enforcement Personnel	
Warning Citations Issued for 08-08 Violations	5			
Fines Issued for 08-08 Violations	16			
P2 Proactive Educational Assessments	2057	P2 Handouts Presentations & Assessment Totals, Fair Numbers & Enforcement Cases 2/11/15 e-mail	Dale Nottingham, P2 Supervisor	
Number of Violations Found & Resolved	139			
Year 1 ONLY: Attach the written proactive inspection program plan				

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 MS4, 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 reports received, the**

number of investigations conducted, the number of illicit activities found, and the number and type of enforcement actions taken. If a permittee relies on Lee County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Lee County shall make available) the necessary annual report information from the County.

Reports of suspected illicit connections / discharges / dumping received	46	Intranet2/dotrfa/rfa_results.asp	DNR, Simmons, Hubbard	
Reactive investigations of reports of suspected illicit discharges/connections / dumping	46			
Illicit discharges / connections / dumping found during a reactive investigation	32			
Warning citations issued for illicit discharges / connections / dumping found during a reactive investigation	3	S:\NPDES\Enforcement\Citation and Stop Work Data		Compliance obtained without fines
Fines issued for illicit discharges / connections / dumping found during a reactive investigation	0			

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).

	Initial Training	Refresher Training			
Personnel trained	6	61		Sign-in Sheets	DNR
Contractors trained	312	29		Sign-in sheets, Queries: S:\NPDES\Construction Sites\Active\ConstInspd ata.mdb	DNR Non-County personnel

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. If a permittee relies on the Lee County Fire Districts to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Lee County Fire Districts shall make available) the necessary annual report information from the County.

Hazardous and non-hazardous material spills responded to	39	S:\NPDES\Annual Reports\Cycle 3, Year 3, 2013-2014, Spills	State Fire Depts., Lee County DOT	
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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).

	Initial Training	Refresher Training			
Personnel trained	6	61		Sign-in Sheets	DNR
Contractors trained	30	29		Queries: S:\NPDES\Construction Sites\Active\ConstInspd ata.mdb,	DNR

Part III.A.7.e Illicit Discharges and Improper Disposal — Public Reporting

During Year 1 of the permit, develop and implement a written public education and outreach program plan to promote, publicize, and facilitate public reporting of the presence of illicit discharges and improper disposal of materials into the MS4. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable).

DEP Note: Lee County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Lee County). The co-permittees are to report just the public education and outreach activities that they performed.

Estimated percentage of the population reached by the activities in total	20	Illicit Discharge Public Education SOP	DNR	Estimated as per protocol
Publicize the Lee County Complaint Hotline(days)	365	Website Lee-County.com		
Brochures/Flyers/Fact sheets distributed	6,789	NPDES calendar notes, P2 "Counts for NPDES" 12/5/14		Magnets, badges, markers
Promotional Items distributed	425			Lee County Fair, Harns Marsh Wings over Water, Great Outdoor Adventure Day
Public displays (e.g., kiosks, storyboards, posters, etc.)	12	dcauceglia@leegov.com, "Lee Co Fair Counts" 12/11/14 Dale Nottingham		Earth Week, Green Bus
School presentations: Number conducted	22	P2 "NPDES Reporting" 12/11/14		Citizens Stormwater Academy, WetPlan, Green Market Event, Lehigh Acres Rotary, Manatee Park Summer Camp, Caloosa Rare Fruit Exchange, The Clean Scene, Green Industries
School presentations: Number of participants	2,261			
Special events: Number conducted	14			
Special events: Number of participants	271	Lee County Intranet Website Statistics		Counter Hits 10/1/13 – 9/30/14
Web Site: Number of visitors to the stormwater-related pages	26,635			

Part III.A.7.f Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control

During Year 1 of the permit, develop and implement a written public education and outreach program plan to encourage the proper use and disposal of used motor vehicle fluids, leftover hazardous household products, and lead acid batteries. On a routine basis, inform the public of the locations of collection facilities for these materials, including a description of the types of materials accepted and the hours of operation. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable).

DEP Note: Lee County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Lee County). The co-permittees are to report just the public education and outreach activities that they performed.

Estimated percentage of the population reached by the activities in total	56	Laura gray e-mail "Solid Waste Evaluation from NPDES Protocol"	Solid Waste	
Publicize the Lee County Home Chemical Collection Program	365	Lee-county.com/solidwaste		
Brochures/Flyers/Fact sheets distributed	2,500	Rosi Gagliardo, Fiscal, rgagliardo@leegov.com		Organic Lee flyer, Recycle Right
Household Hazardous Waste (HHW) Collection Day: Events	262	Calendar Days		M-F weekly, 1 st Sat every month
HHW Collection Day: Amount of waste collected/recycled/properly disposed (tons)	993	Erich Tscherteu e-mail "Topaz Collection Numbers FY 13-14" 12/4/14		
Solid Waste Calendars and Postcards	211,191	Rosi Gagliardo, Fiscal		News-Press, Breeze, SW FI Business, Island Sandpaper, FL Weekly
Newspapers & newsletters: Number of articles/notices published	56			Coasters, magnets, nail files, bags
Promotional Items	9,250			Buckingham Open House, Cape Collection Event
Special events: Number conducted	2	Molly Schweers, Solid Waste		

	Special events: Number of participants	1032			
	Storm sewer inlets newly marked/replaced	44	GIS 2014 County Map	DNR, Simmons, Hubbard	

Part III.A.7.g Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage

Annually review (and revise, as needed) and implement the permittee's written procedures to reduce or eliminate sanitary wastewater contamination into the MS4, including discharges to the MS4 from sanitary sewer overflows (SSOs) and from inflow / infiltration from collection / transmission systems and/or septic tank systems. Advise the appropriate utility owner of a violation if constituents common to wastewater contamination are discovered in the MS4. Report on the type and number of activities undertaken to reduce or eliminate SSOs and inflow / infiltration, the number of SSOs or inflow / infiltration incidents found and the number resolved, and the name of the owner of the sanitary sewer system within the permittee's jurisdiction.

DEP Note: The permittee should contact the appropriate authorities for accurate reporting information, such as the sanitary sewer system operator who is responsible for investigating and eliminating SSOs and the local health department who is responsible for permitting / overseeing septic tank systems.

DEP Note: Report only the SSOs and inflow / infiltration incidents into the MS4.

Activity to reduce/eliminate SSOs and inflow / infiltration: Repair / lining of sanitary sewer system(linear feet)	9,000	Patty Dipiero, Rich Sims e-mail 2/6/15 NPDES Reporting.docx	Lee County Utilities	
Activity to reduce/eliminate SSOs and inflow / infiltration: Emergency generator added	4			1 new, 3 replaced
Manhole Inflow Protectors Installed (each)	143			
SSO incidents discovered	15			
SSO incidents resolved	15			
Inflow / infiltration incidents discovered	335			
Inflow / infiltration incidents resolved	335			
Name of owner of the sanitary sewer system	Lee County Utilities			

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. If a permittee relies on Lee County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Lee County shall make available) the necessary annual report information from the County.

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 facilities 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 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 facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken. If a permittee relies on Lee County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Lee County shall make available) the necessary annual report information from the

County.

DEP Note: Lee County is to report ONLY the inventory of high risk facilities in the unincorporated areas of Lee County – the inventory of high risk facilities located in the co-permittees' jurisdictions are to be reported by the co-permittees. Likewise, the County is to report ONLY the high risk facility inspections it performed in the unincorporated areas of Lee County – any high risk facility inspections it performed in the co-permittees' jurisdictions are to be reported by the co-permittees. Each co-permittee is to obtain the necessary information from Lee County that pertains to its jurisdiction.

	Number of Facilities	Number of Inspections	For violations discovered during a high risk inspection				
			Fines issued	Notices of Violation (NOVs) / warning letters / citations issued			
Total high risk facilities	0				S:\NPDES\Industrial-High Risk- Proactive Facilities\FAC_INSP	DNR Simmons, Hubbard	From TRI 11/2013
New high risk facilities added to the inventory during the current reporting period	0						
Operating municipal landfills	0						None in Lee County
Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0						
EPCRA Title III, Section 313 facilities (that are not landfills or HWTSDR facilities)	0						
Facilities determined as high risk by the permittee through the proactive inspections as per Part III.A.7.c	0						
Other facilities determined as high risk by the permittee (that are <u>not</u> facilities identified through the proactive inspections)	0						

Part III.A.8.b Industrial and High-Risk Runoff — Monitoring for High Risk Industries

Sampling of the discharge to the stormwater system may be required on an as-needed basis in the event that inspections of high-risk facilities disclose suspected illicit discharges to the MS4. New high-risk industrial facilities as defined in 40 CFR 122.26(d)(2)(iv)(C) must be evaluated to determine if the new discharge is contributing a substantial pollutant load to the MS4. The evaluation may include site-specific monitoring. **If a permittee relies on Lee County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Lee County shall make available) the necessary annual report information from the County. Report the number of high risk facilities sampled.**

DEP Note: Lee County is to report ONLY the number of high risk facilities in the unincorporated areas of Lee County that were sampled – the high risk facilities located in the co-permittees' jurisdictions that were sampled by the County are to be reported by the co-permittees.

High risk facilities sampled	0			No facilities sampled
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Part III.A.9.a Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices

Continue to implement the local codes or land development regulations and the written pre-construction site plan review procedures that require the use and maintenance of appropriate structural and non-structural erosion and sedimentation controls during construction to reduce the discharge of pollutants to the MS4. **Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.**

PERMITTEE SITES: Construction site plans reviewed	3	S:\NPDES\SWP3 Review\Cycle 3, Yr 2 2012-2013\Municipal	DNR
PERMITTEE SITES: Construction site plans approved	1		
PRIVATE SITES: Construction site plans reviewed	103		

	PRIVATE SITES: Construction site plans approved	48	Review\Cycle 3, Yr 2, 2012-2013\Private		
	Annually review (and revise, as needed) and implement the permittee's written procedures to notify all new development / redevelopment permit applicants of the need to obtain all required stormwater permits. Report the number of new development/redevelopment permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.				
	Notified of ERP stormwater permit requirements	89	Tidemark Reports DOs received	Lee County Development Services, DNR	
	Confirmed ERP coverage	49	Queries: S:\NPDES\Construction Sites\Active\ConstInspd ata.mdb,		
	Notified of CGP stormwater permit requirements	159	Tidemark QBE Reports, rsweigert@leegov.com		
	Confirmed CGP coverage	64	Queries: S:\NPDES\Construction Sites\Active\ConstInspd ata.mdb,		

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 immediately upon written approval by the Department. 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.				
	PERMITTEE SITES: Active construction sites	2	Queries: S:\NPDES\Construction Sites\Active\ConstInspd ata.mdb, S:\NPDES\Enforcement\Citation and Stop Work Data, Year 1, Cycle 3 Citations	DNR, Simmons, Hubbard	
	PERMITTEE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	14			
	PERMITTEE SITES: Percentage of active construction sites inspected	100			
	PRIVATE SITES: Active construction sites	122			
	PRIVATE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	1180			
	PRIVATE SITES: Percentage of active construction sites inspected	100			
	Warning citations issued	19			
	Stop Work Orders issued	0			
	Fines issued	10			
	Year 1 ONLY: Attach the written construction site inspection program plan				

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.				
	<i>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</i>				

in Column F the number of staff who were previously trained / certified. Private site operator training can include pre-construction meetings.							
	Inspector Certification Training	Non-Inspector Initial Training (non-certification)	Refresher Training				
Permittee construction site inspectors	5		61		Training Class Sign-in sheets	DNR	
Permittee construction site plan reviewers		0					No new reviewers
Permittee construction site operators		0					Lee County contracts out construction
Private construction site operators	278	4			Training Class Sign-in sheets	DNR	

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. <i>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.</i>
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) <i>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.</i>

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
X		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.	1	Implementation Impacts (Fiscal Reduction)
	X	Part III.A.1	EACH ANNUAL REPORT: An explanation of why the minimum inspection frequency in Table II.A.1.a was not met, if applicable.		
X		Part III.A.4	EACH ANNUAL REPORT: A list of the flood control projects that did <u>not</u> include stormwater treatment and an explanation for each of why it did not, if applicable.	3	Flood Control Projects/Maintenance
	X	Part III.A.7.a	EACH ANNUAL REPORT: A report on amendments / changes to the legal authority to control illicit discharges, connections, dumping, and spills, if applicable.		

X		Part V.B.9	EACH ANNUAL REPORT: Reporting and assessment of monitoring results. [Also addressed in Section III of the Annual Report Form]	2	Monitoring Results and Assessment
X		Part VI.B.2	EACH ANNUAL REPORT: An evaluation of the effectiveness of the SWMP in reducing pollutant loads discharged from the MS4 that, <u>at a minimum</u> , must include responses to the questions listed in the permit.	4	SWMP Evaluation
X		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.	5	TMDL Status Report
	X	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).		
	X	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).		
	X	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.		
	X	Part III.A.6	YEAR 1 or YEAR 2: A copy of the adopted Florida-friendly Ordinance, if applicable.		
	X	Part III.A.7.c	YEAR 1: A proactive illicit discharge / connection / dumping inspection program plan.		
	X	Part III.A.9.b	YEAR 1: A construction site inspection program plan. [For approval by DEP]		
	X	Part III.A.2	YEAR 2: A summary report of a review of codes and regulations to reduce the stormwater impact from new development / redevelopment.		
X		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.	6	Estimated Annual Pollutant Loadings
	X	Part III.A.2	YEAR 4: A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from new development / redevelopment.		
	X	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.		
	X	Part V.B.3	YEAR 4: The monitoring plan (with revisions, if applicable).		
	X	Part VII.C	YEAR 4: An application to renew the permit.		
	X	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 <u>new</u> written SOP / Plan	Reviewed & <u>no revision needed</u> to existing SOP / Plan	Reviewed & <u>revised</u> existing SOP / Plan	Permit Citation	Description of Required SOPs / Plans
		X		Part III.A.1	SOP and/or schedule of inspections and maintenance activities of the structural controls and roadway stormwater collection system.
		X		Part III.A.2	SOP for development project review and permitting procedures and/or local codes and regulations for new development / areas of significant development.
		X		Part III.A.3	SOP for the litter control program.
		X		Part III.A.3	SOP for the street sweeping program.

		X		Part III.A.3	SOP for inspections of equipment yards and maintenance shops that support road maintenance activities.
		X		Part III.A.5	SOP for inspections of waste treatment, storage, and disposal facilities not covered by an NPDES stormwater permit.
		X		Part III.A.6	Plan for public education and outreach on reducing the use of pesticides, herbicides and fertilizer.
		X		Part III.A.6	SOP for reducing the use of pesticides, herbicides and fertilizer, and for the proper application, storage and mixing of these products.
		X		Part III.A.7.c	Plan for proactive illicit discharge / connections / dumping inspections.*
			X	Part III.A.7.c	SOP for reactive illicit discharge / connections / dumping investigations.
		X		Part III.A.7.c	Plan for illicit discharge training.
		X		Part III.A.7.d	SOP for spill prevention and response efforts.
		X		Part III.A.7.d	Plan for spill prevention and response training.
		X		Part III.A.7.e	Plan for public education and outreach on how to identify and report the illicit discharges and improper disposal to the MS4.
		X		Part III.A.7.f	Plan for public education and outreach on the proper use and disposal of oils, toxics and household hazardous waste.
		X		Part III.A.7.g	SOP to reduce / eliminate sanitary wastewater contamination of the MS4.
		X		Part III.A.8	SOP for inspections of high risk industrial facilities.
		X		Part III.A.9.a	SOP for construction site plan review for stormwater, erosion and sedimentation controls, and ERP and CGP coverage.
		X		Part III.A.9.b	Plan for inspections of construction sites.*
		X		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 <u>SEPARATELY</u> 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.	3/13/12
Part VIII.B.3.b	12 MONTHS from effective date of permit: TMDL Monitoring and Assessment Plan.	8/1/2013
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	Tidal Caloosahatchee BMAP (adopted December 2012)	12/19/14
Part VIII.B.2	Hendry Creek BMAP (adopted November 2012)	12/19/14
Part VIII.B.2	Imperial River BMAP (adopted November 2012)	12/19/14
Part VIII.B.2		

END OF REVISED TAILORED MS4 AR FORM

ATTACHMENTS

Implementation Impacts (Fiscal Reduction)	Part II F	Attachment 1.....Page <u>2</u>
Monitoring Results & Assessment	Part V.B.9	Attachment 2.....Page <u>4</u>
Flood Control Projects	Part III.A.4	Attachment 3.....Page <u>12</u>
SWMP Evaluation	Part VI.B.2	Attachment 4.....Page <u>14</u>
TMDL Status Report	Part VIII.B.3.e	Attachment 5.....Page <u>17</u>
Estimated Pollutant Loading	Part V.	Attachment 6.....Page <u>19</u>

Attachment 1
Implementation Impacts (Fiscal Reduction)

SWMP Implementation Impacts (Fiscal Reduction)

When compared to expenditures in Year 2, Cycle 3, Lee County expenditures declined by \$322,173 in Year 3, Cycle 3. While the majority of Lee County departments associated with NPDES activities have similar to slightly increased budgets from the previous year, the majority of the reduction, however, came from the CIP expenditures in the Department of Natural Resources. The reduction of capital projects is the result of the end of a fairly prolific construction period over the last several years. Current projects are in the planning, development, engineering and permitting phase, which represents approximately 20% of construction costs that are programmed in out years. It is anticipated that these projects will develop into the construction phases in Year 4.

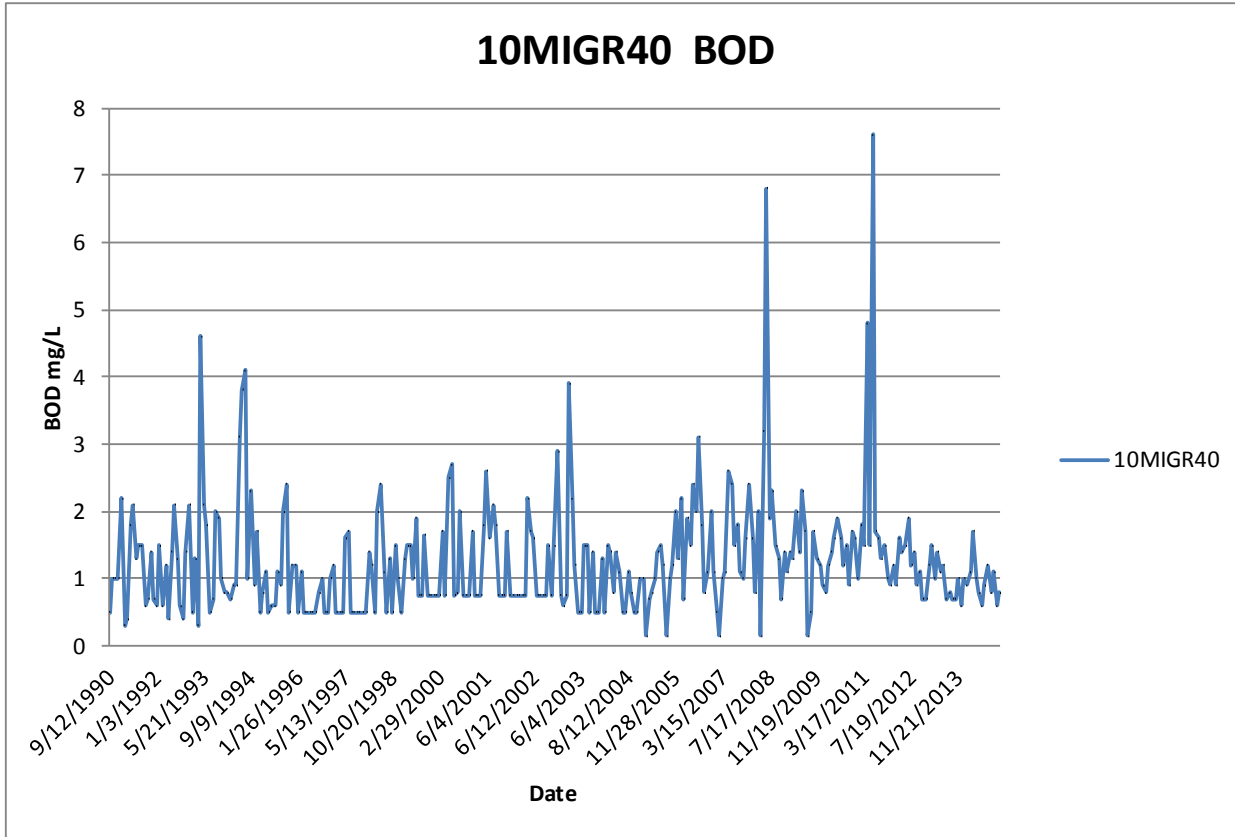
No impact to the implementation of the SWMP is expected.

Attachment 2

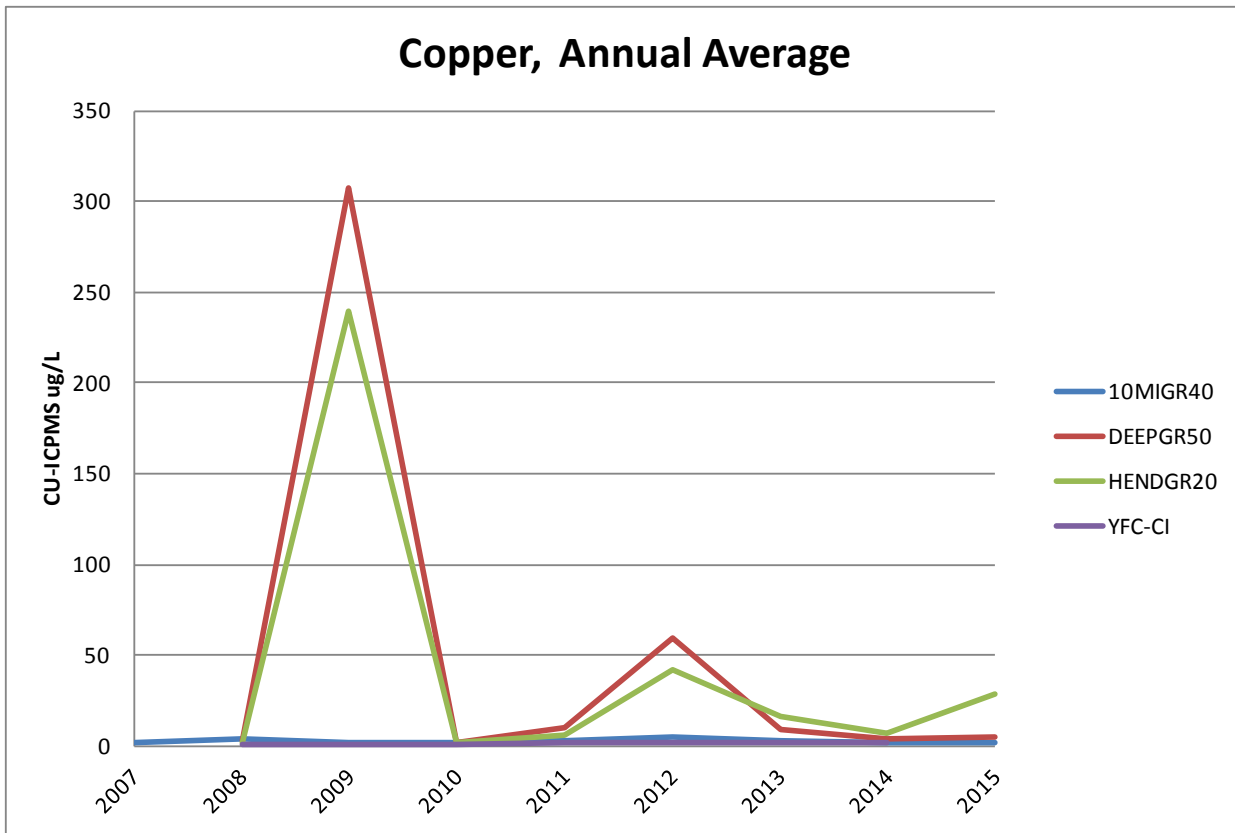
Monitoring Results and Assessment

NPDES Water Quality Discussion
Cycle 3, Year 3

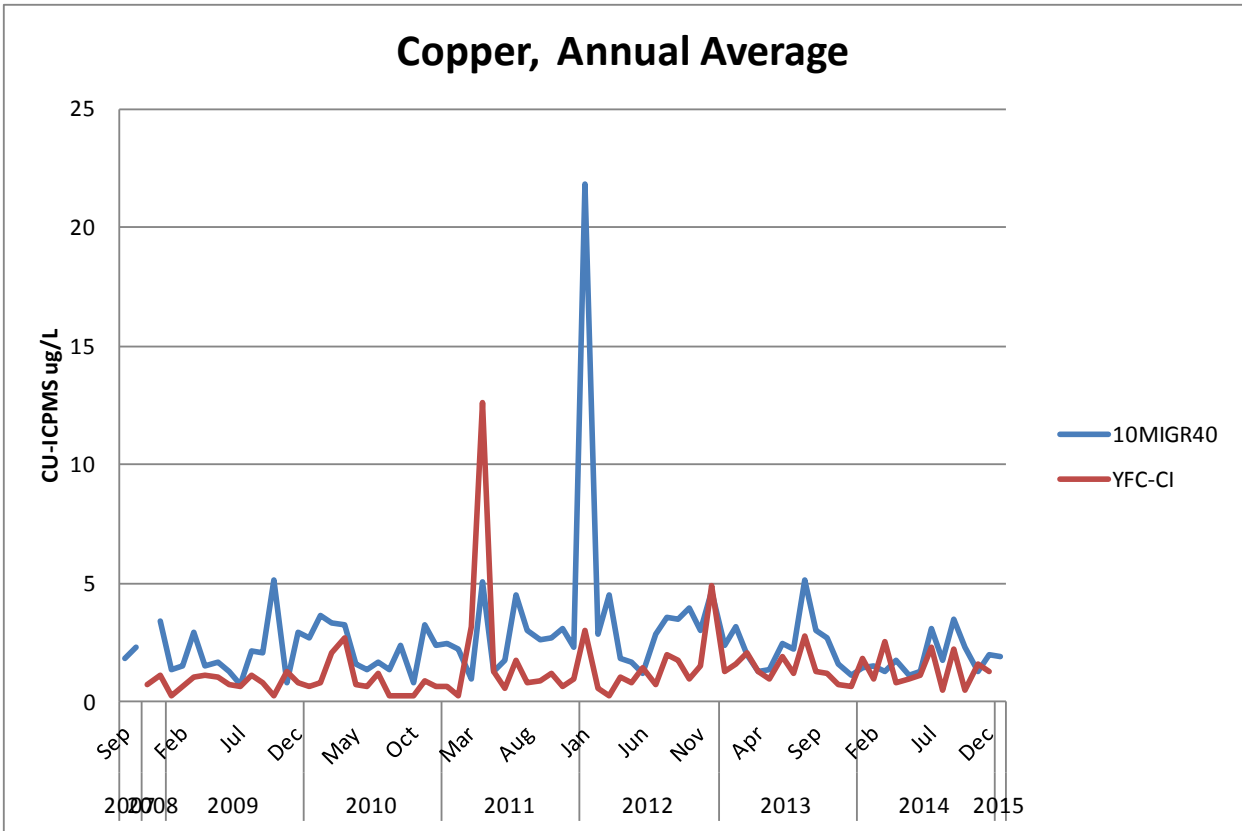
Since the third year loading comparisons only look at three separate water years, 2001, 2007, and 2013, for the water quality discussion we looked at the outfalls and parameters which showed an increasing load over the last year three loading estimates.



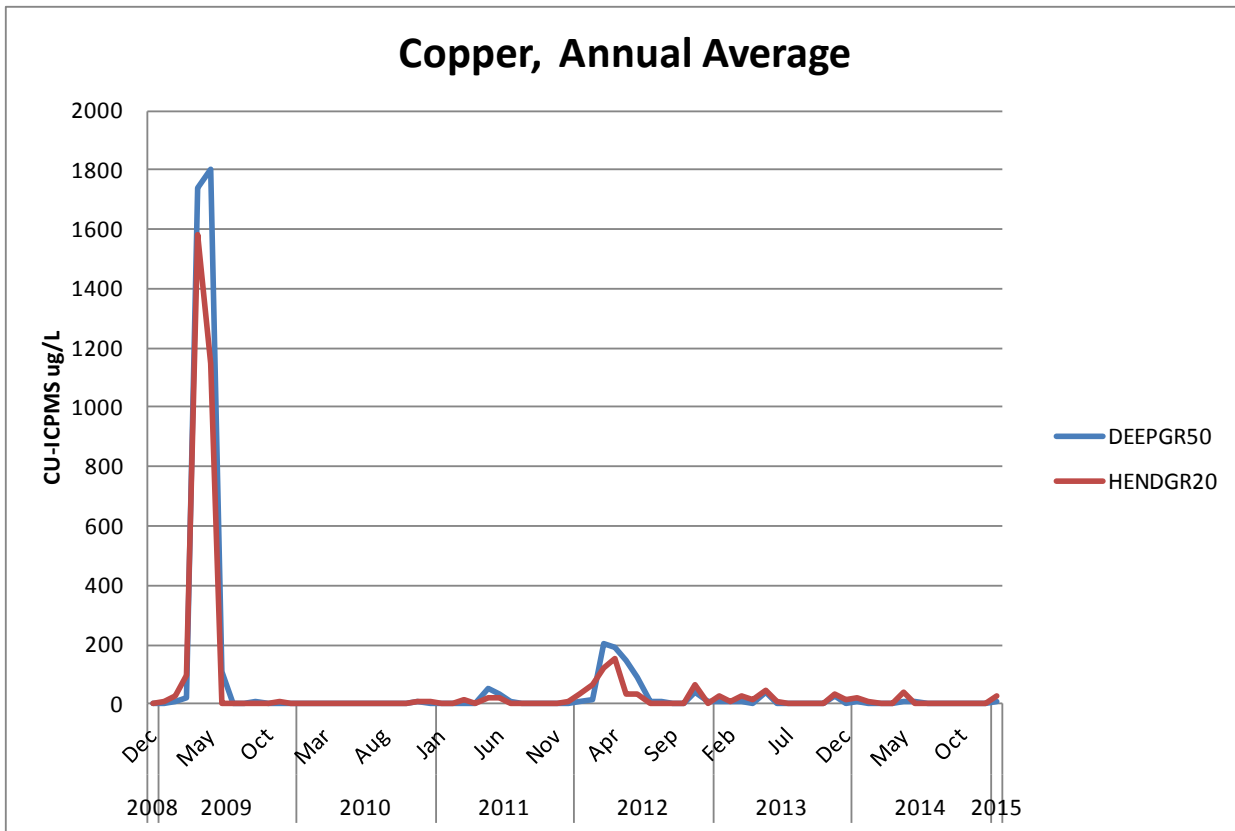
Ten Mile Canal was the only major outfall which showed an increase for Biochemical Oxygen Demand (BOD). A leaking submerged untreated wastewater forced main crossing Ten Mile Canal owned by the City of Fort Myers Identified and repaired in January of 2015. It is not know how long this leak has been going on for as it was found during routine maintenance. This could have been the cause of the spikes in 2011, but overall the BOD has been decreasing for the last three years. Monthly monitoring will continue to see if the decrease continues.



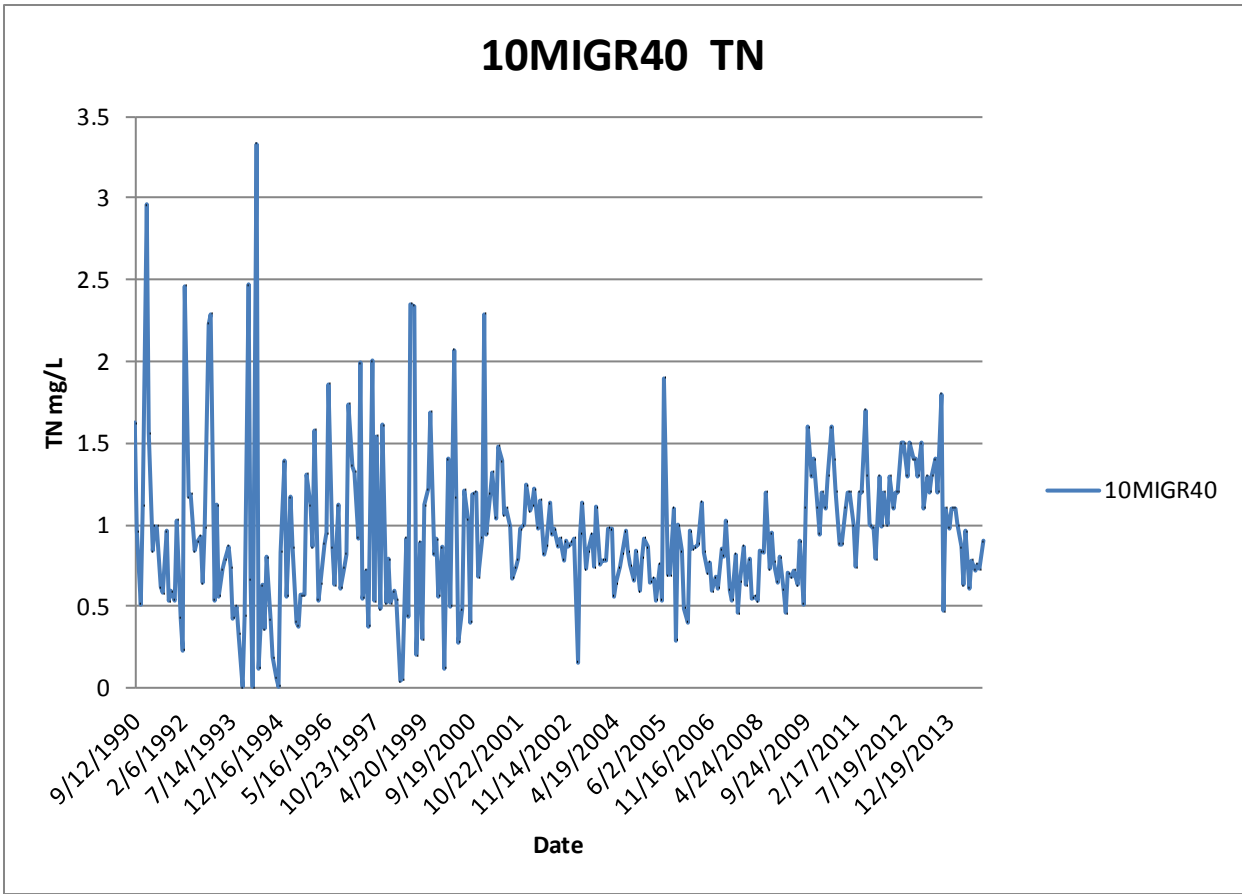
Although we have additional years of historical copper data using graphite furnace atomic spectroscopy, due to method bias it was decided not to compare with the current Inductively Coupled Plasma Mass spectrophotometer (ICP-MS) method copper results. Due to the significant differences in concentration the four outfalls with increasing copper loads are grouped based on their maximum concentrations.



Ten Mile Canal seems to have a low level dry season signature of copper over the last few winters. These low concentrations are most likely being diluted out during the summer months and appear to be coming from ground water. No discernible pattern is emerging the Yellow Fever Creek data.

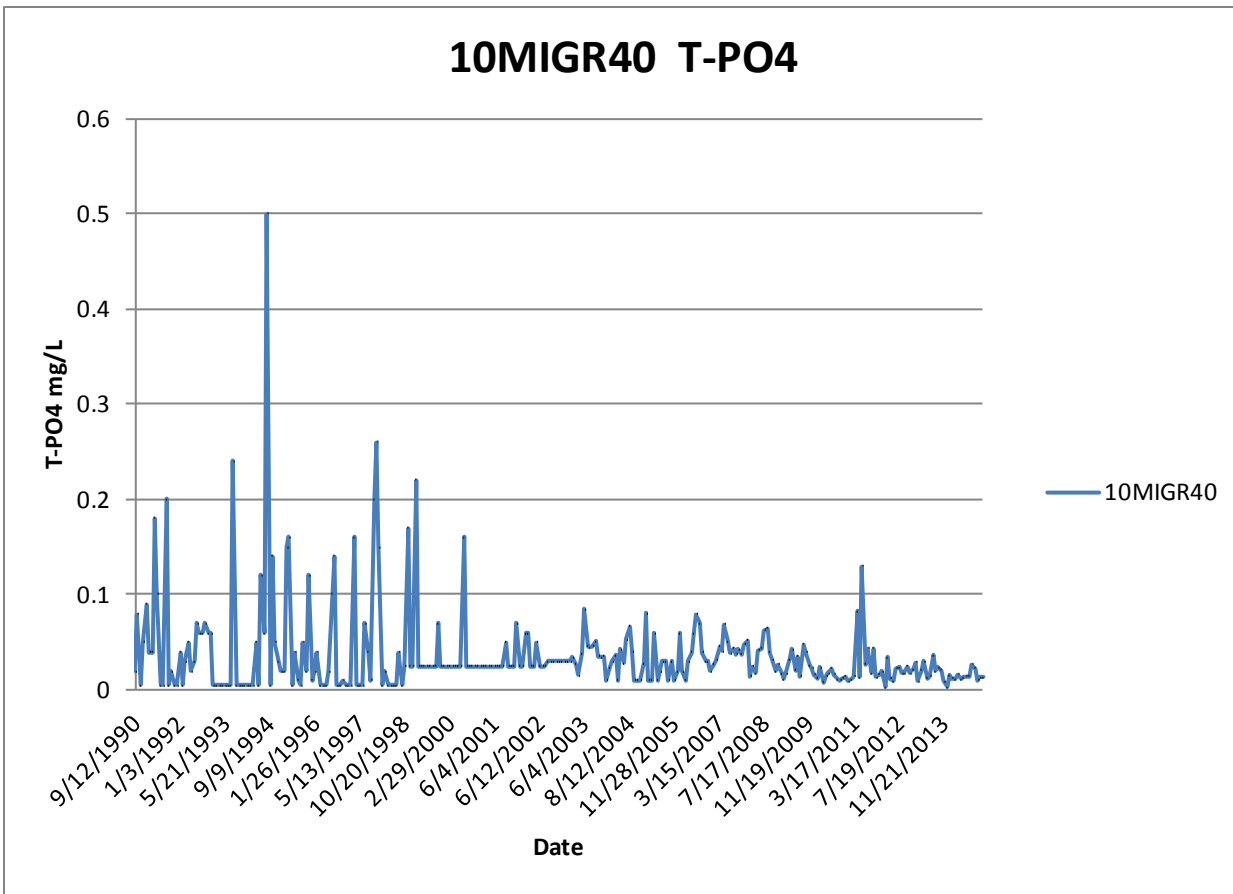


High concentrations of copper were found in Deep Lagoon and Hendry creeks in April-May 2009 and again in the same months of 2012. These high spikes appear to be the result of some type of an application of the fungicide copper sulfate, most likely pond management. Overall there is a downward trend during the last six years and the loading increases in 2007 and 2014 are most likely due to false negatives from the atomic absorption method used previously, on samples near the detection limit.

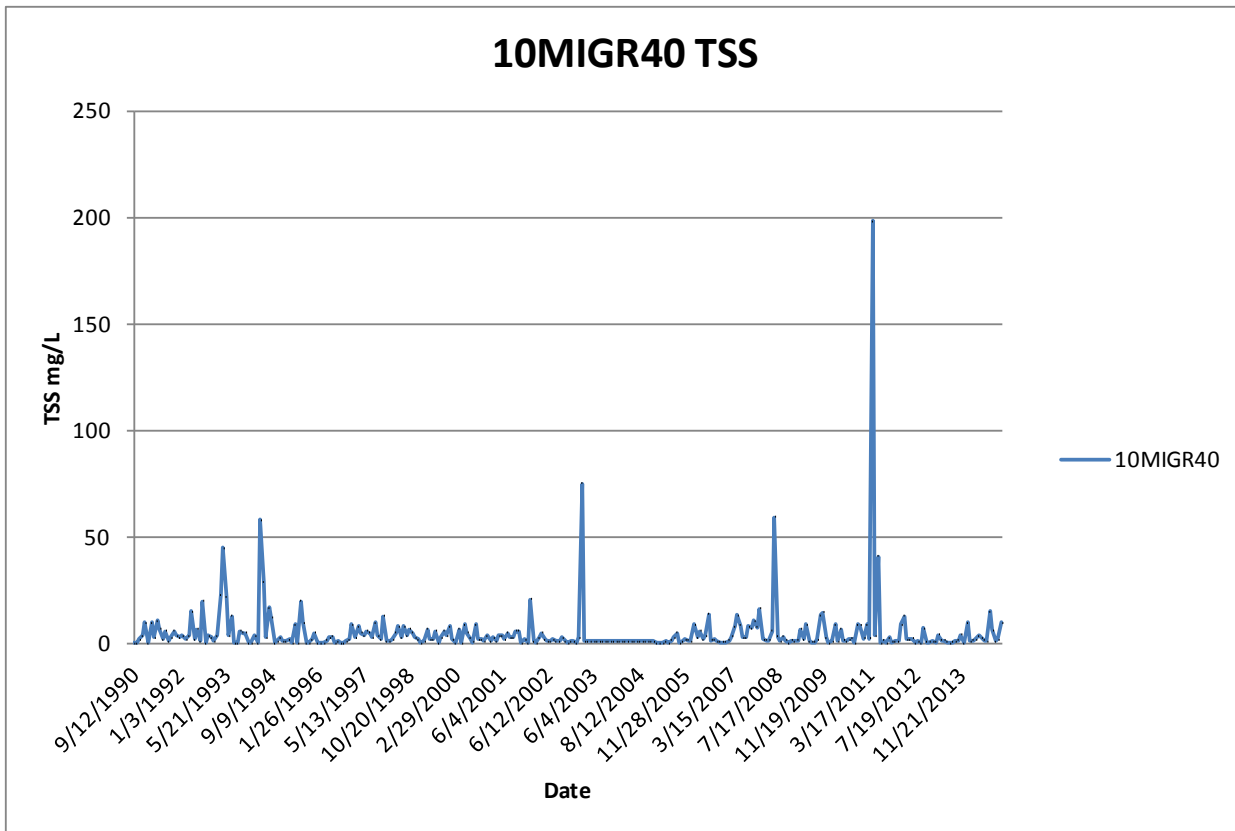


Ten Mile Canal is the only major outfall with increasing Total Nitrogen (TN). All Lee County sites noticed an increase in TN concentrations from 2009 through 2012. The TMDL program has confirmed these observations extend over much of the State. Although we have no definitive answer, we think that there was a shift in the air shed and the increase was driven by concentrations of nitrogen in rainfall. We have seen a significant drop in TN concentrations in Tem Mile Canal and County wide over the last year.

10MIGR40 T-PO4



Total Phosphorus (TP) has been on the decrease over the period of record, much of the early spike were due to a fertilizer mixing and packaging facility at the beginning of the major canal system. This facility closed several years ago. The apparent rise in low level readings from 1998 until 2003 was due to a change in laboratory limit of detection (LOD) or minimum detection limit (MDL) causing a truncation of those low level data. On the average total phosphorus concentration have been trending downward over the last 24 years,



Again the only major outfall with increasing Total Suspended Solids (TSS) was Ten Mile Canal. The high peak in April 2011 is from an event from upstream working its way down the canal, we also experienced high readings at our up and downstream sites during that sampling event, but was not investigated at the time due to the lag between sample collection and receiving laboratory results.

No major outfalls showed an increase in zinc loading for year three loading analysis.

Attachment 3

Flood Control Projects

Flood Control Projects Completed Sept 2013-2014

Project Name

Suncoast - North Canal
Scallop Lane Drainage Improvements
Bayshore Elementary Canal Restoration
Upriver RV Culvert Replacement
Palm Creek Maintenance
Lost Lane Culvert Replacement
Lockett Extension Ditch Maintenance
Leitner Creek Pre-dredge
Chapel Branch – South
Spanish Creek Preserve
Powell Creek @ Powell Creek Filter Marsh
Hickey's Creek
Johnson's Creek
Shelby Lane Creek
Palm Creek
Popash Creek Preserve-West Canal
NFM Minor Maintenance
Daughtreys Creek- Nalle Grade to Slater
Bedman Creek-Downed Trees
East Daughtreys Creek pipe removal
East Daughtreys Creek pipe removal
Del Prado Ditch Extension

These projects are maintenance issues only for flow associated with flood control, essentially through vegetation removal, structure repairs and replacement and dredging. There is little opportunity to include additional stormwater treatment.

Attachment 4
SWMP Evaluation

SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)

Permit Citation/ SWMP Element	SWMP EVALUATION
Part II.A.1 Structural control inspection and maintenance	Strengths: Lee County protocol requires annual inspections of stormwater structures. Staff continues to update the GIS inventory and methods to document activities.
	Weaknesses: Reduction in force mandates continue to keep work force at low levels.
	SWMP Revisions to address deficiencies: Reorganization of work force has occurred to streamline and improve efforts.
Part II.A.2 Significant redevelopment	Strengths: Undetermined.
	Weaknesses: Undetermined
	SWMP Revisions to address deficiencies: None
Part II.A.3 Roadways	Strengths: Lee County sweeps curbed roadways on a daily basis. Stated goals are to sweep arterial and collector roads every three months, sub-divisions every six months, major bridges every three months and special events as needed. The Adopt-A-Road program and Keep Lee County Beautiful collects tons of litter yearly.
	Weaknesses: None noted.
	SWMP Revisions to address deficiencies: None.
Part II.A.4 Flood control	Strengths: Lee County continues to have an active CIP division investing in major water quality treatment projects as well as many annual maintenance projects to reduce flooding. Those projects that provide water storage and treatment include a water quality element. Those projects not containing storage are for flooding projects only and contain incidental water quality treatment.
	Weaknesses: None noted.
	SWMP Revisions to address deficiencies: None.
Part II.A.5 Waste TSD Facilities	Strengths: Currently, Lee County operates no hazardous waste treatment, storage or disposal facilities. Ditch diggings are stockpiled at a number of storage yards and are inspected yearly for erosion problems. All storage facilities have been modified for soil containment.
	Weaknesses: None noted.
	SWMP Revisions to address deficiencies: None.
Part II.A.6 Pesticide, herbicide, fertilizer application	Strengths: Lee County proactively passed a Comprehensive Landscape/Fertilizer Ordinance on May 13, 2008 with a mandatory fertilizer black-out period during the rainy season. Overall, sales of fertilizer has declined by 24% over the last five years.
	Weaknesses: A full-time position, intended to be the enforcement element of the ordinance, was eliminated in Reduction in Force personnel cuts.
	SWMP Revisions to address deficiencies: None at this time.
Part II.A.7 Illicit Discharge Detection and Elimination	Strengths: Proactive inspections by NPDES staff have provided a valuable method to discover and eliminate illicit discharges. Five sources of illicit discharges were eliminated this year through Proactive Inspections. Proactive inspections regarding compliance with the Lee County Landscape Ordinance 08-08 was included this year with 21 enforcement citations issued.
	Weaknesses :None noted.
	SWMP Revisions to address deficiencies: None.
Part II.A.8 High Risk Industry Runoff	Strengths: There are no established high risk facilities in the County. Lee County reviews TSI reports yearly for accidental discharges which may affect the high risk status of a facility.
	Weaknesses: None noted.
	SWMP Revisions to address deficiencies: None.

Part II.A.9 Construction Site Runoff	Strengths: Lee County averages seven construction site runoff inspections for every municipal site and ten construction site runoff inspections for every private site. The Lee County Land Development Code allows for enforcement of construction site runoff violations through citations and stop work orders.
	Weaknesses: None noted.
	SWMP Revisions to address deficiencies: None.

Attachment 5

TMDL Status Report

TMDL Implementation Status Report

For waterbodies with an adopted DEP or EPA-established TMDL but without a BMAP:

Lee County submitted the Monitoring and Assessment Plan to FDEP on August 1, 2013. In accordance with the plan, the permanent monitoring station at the County major outfall has been established and is sampled monthly. The four additional temporary stations are established and have been sampled twice in the wet seasons (July-August 2013 and July-August 2014) and once thus far in the dry season (February-March 2014). More seasonal samples are due for collection through August 2015.

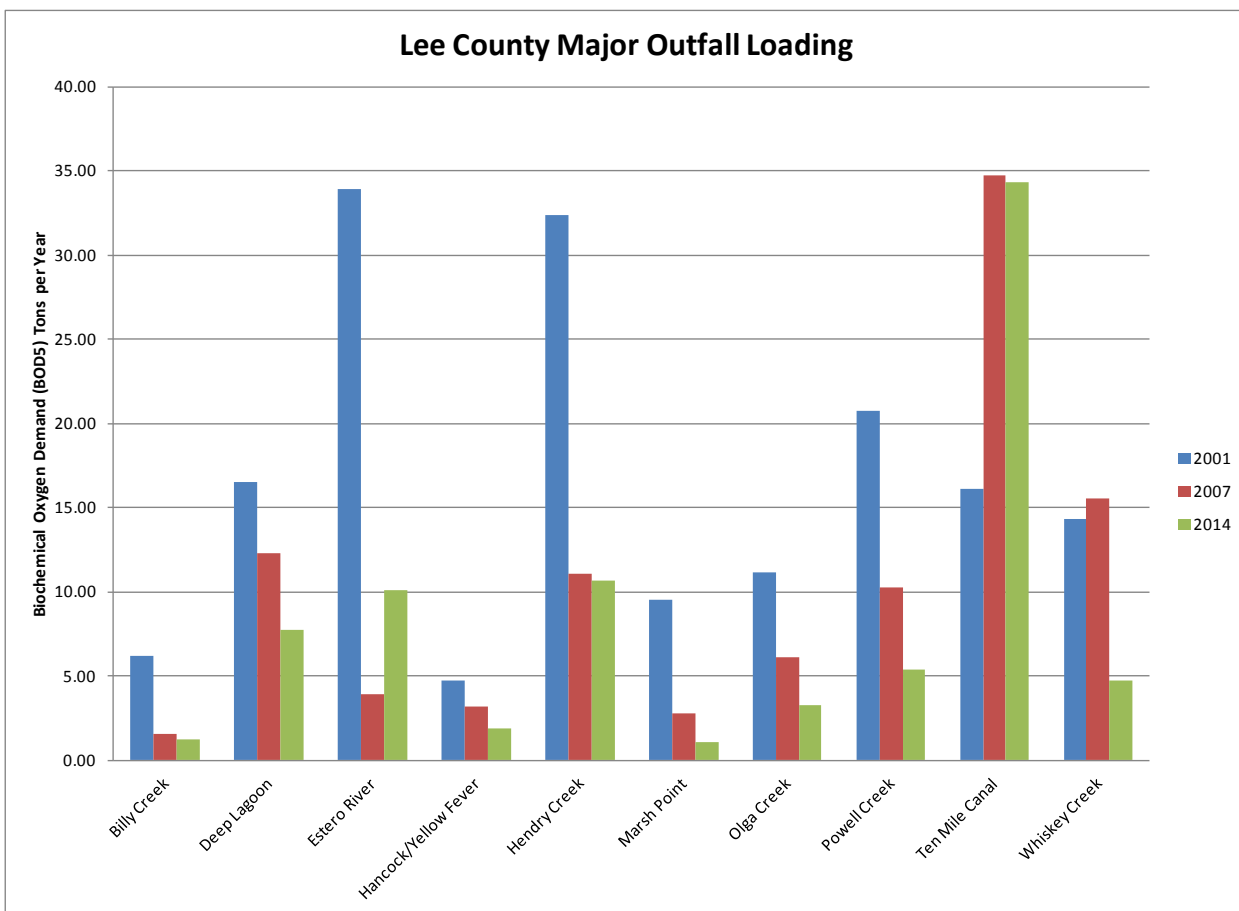
TMDL Implementation Status Report

Segment	WBID	Permit Year	TMDL Prioritization Report	Monitoring & Assessment Plan	TMDL Monitoring	TMDL Implementation
<i>Yellow Fever Creek</i>	3240E	Year 1, 2011-2012	Completed: March 2012	Completed: August 1, 2013	Completion Date: Aug 2013 - Aug 2015	Completion Date: Aug 2014-Aug 2016
Daughtrey Creek	3240F	All TMDLs to be reassessed, prioritized and appropriately addressed in future cycles.				
Billy Creek	3240J	All TMDLs to be reassessed, prioritized and appropriately addressed in future cycles.				
Manuel's Branch	3240I	All TMDLs to be reassessed, prioritized and appropriately addressed in future cycles.				
Trout Creek	3240G	All TMDLs to be reassessed, prioritized and appropriately addressed in future cycles.				

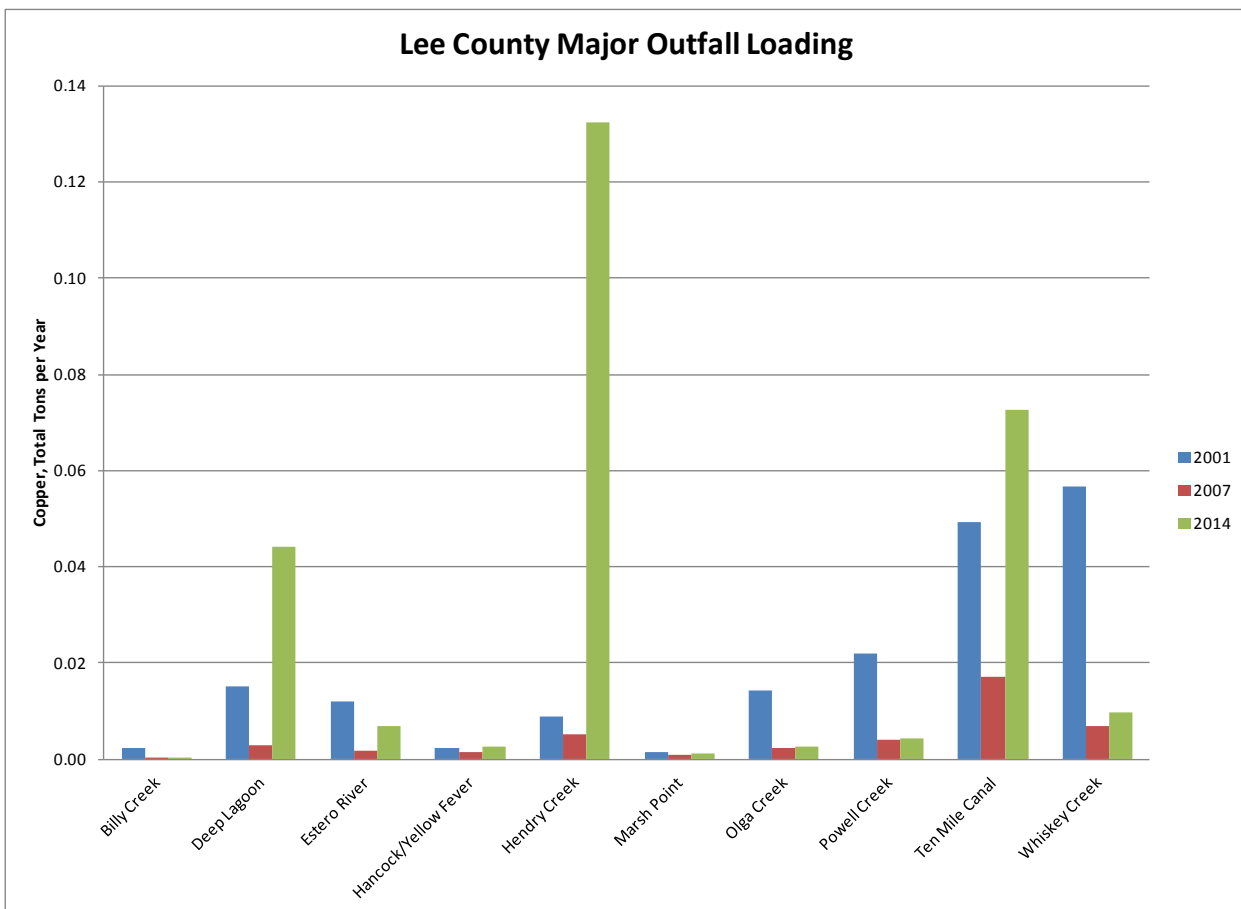
Attachment 6
Estimated Annual Pollutant Loadings
Cycle 1, 2, 3 Comparisons

Lee County Cycle 3 Year 3 Annual Loading

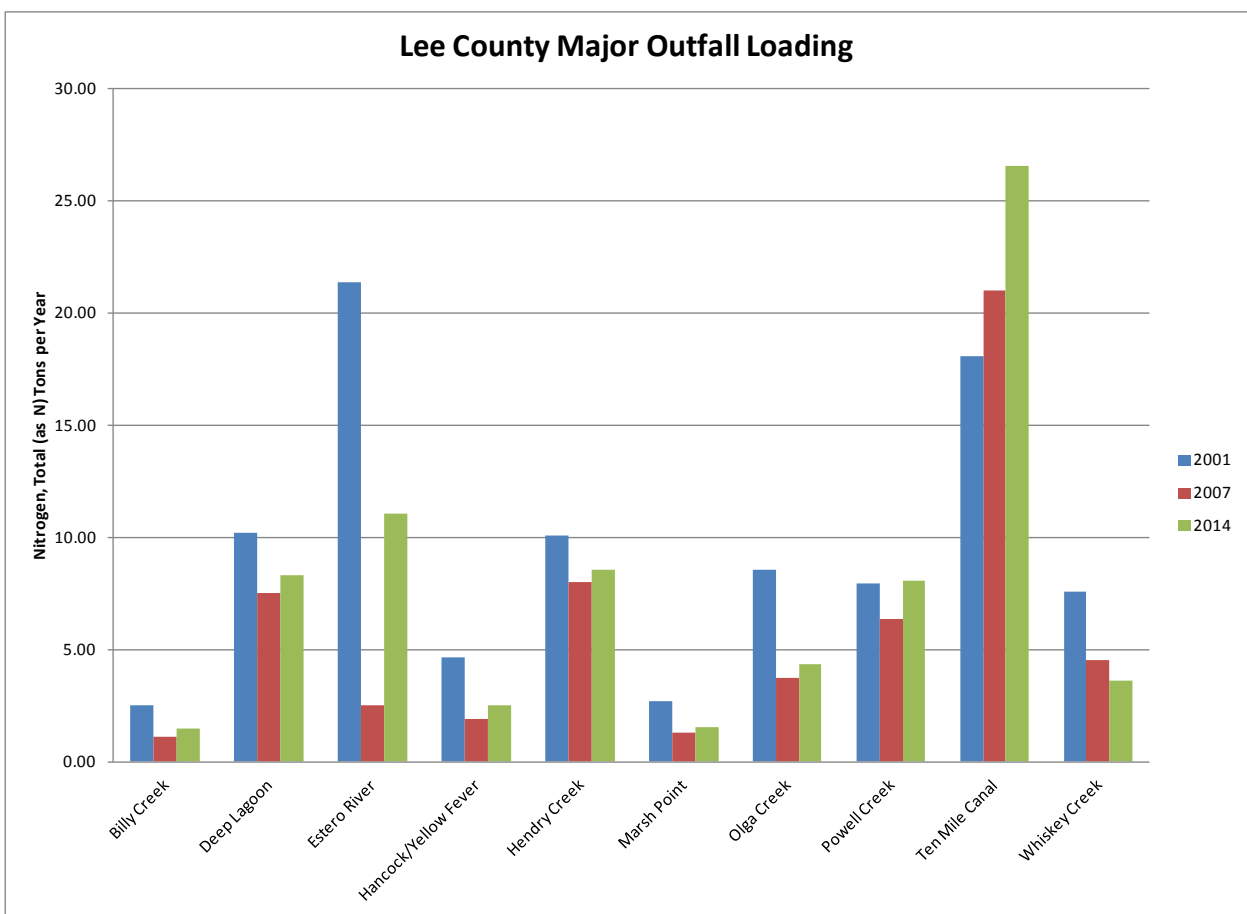
	Biochemical Oxygen Demand (BOD5)			
Average of loading				
In Tons/year	2001	2007	2014	Trend
Billy Creek	6.16	1.56	1.21	Decreasing
Deep Lagoon	16.55	12.27	7.74	Decreasing
Estero River	33.92	3.91	10.09	Decreasing
Hancock/Yellow Fever	4.73	3.19	1.87	Decreasing
Hendry Creek	32.40	11.11	10.69	Decreasing
Marsh Point	9.53	2.82	1.08	Decreasing
Olga Creek	11.19	6.09	3.30	Decreasing
Powell Creek	20.78	10.23	5.40	Decreasing
Ten Mile Canal	16.10	34.72	34.32	Increasing
Whiskey Creek	14.34	15.56	4.75	Decreasing
Average	16.57	10.14	8.05	Decreasing



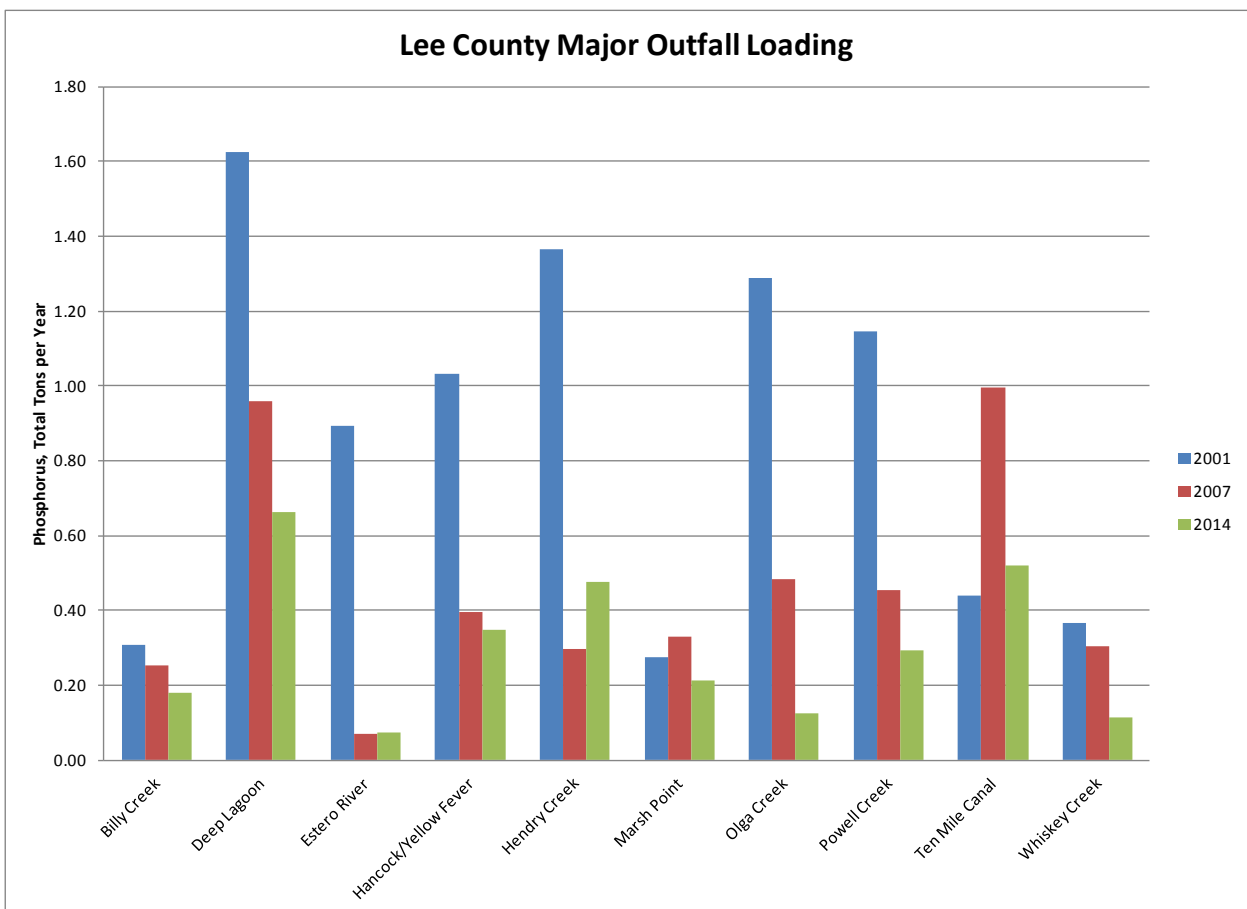
	Copper, Total			
Average of loading				
In Tons/year	2001	2007	2014	Trend
Billy Creek	0.0024	0.0005	0.0005	Decreasing
Deep Lagoon	0.0153	0.0030	0.0441	Increasing
Estero River	0.0120	0.0018	0.0069	Decreasing
Hancock/Yellow Fever	0.0024	0.0016	0.0026	Increasing
Hendry Creek	0.0090	0.0051	0.1323	Increasing
Marsh Point	0.0016	0.0008	0.0013	Decreasing
Olga Creek	0.0142	0.0022	0.0027	Decreasing
Powell Creek	0.0218	0.0042	0.0044	Decreasing
Ten Mile Canal	0.0493	0.0170	0.0725	Increasing
Whiskey Creek	0.0566	0.0069	0.0098	Decreasing
Average	0.0185	0.0043	0.0277	Increasing



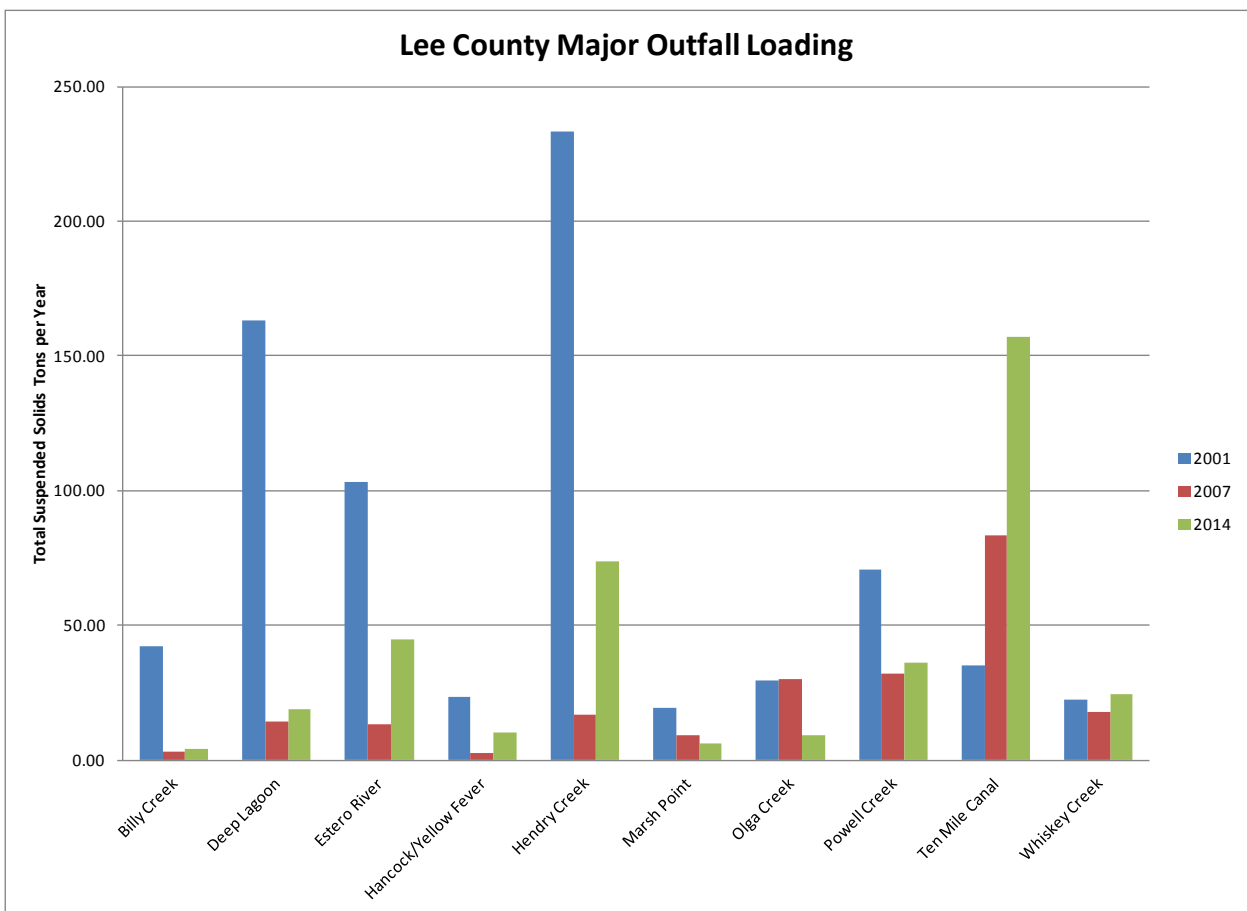
	Nitrogen, Total (as N)			
Average of loading				
In Tons/year	2001	2007	2014	Trend
Billy Creek	2.52	1.09	1.50	Decreasing
Deep Lagoon	10.19	7.52	8.30	Decreasing
Estero River	21.37	2.51	11.04	Decreasing
Hancock/Yellow Fever	4.68	1.88	2.54	Decreasing
Hendry Creek	10.06	8.02	8.55	Decreasing
Marsh Point	2.67	1.32	1.55	Decreasing
Olga Creek	8.54	3.74	4.35	Decreasing
Powell Creek	7.91	6.36	8.09	No Trend
Ten Mile Canal	18.09	20.99	26.54	Increasing
Whiskey Creek	7.60	4.54	3.64	Decreasing
Average	9.36	5.80	7.61	Decreasing



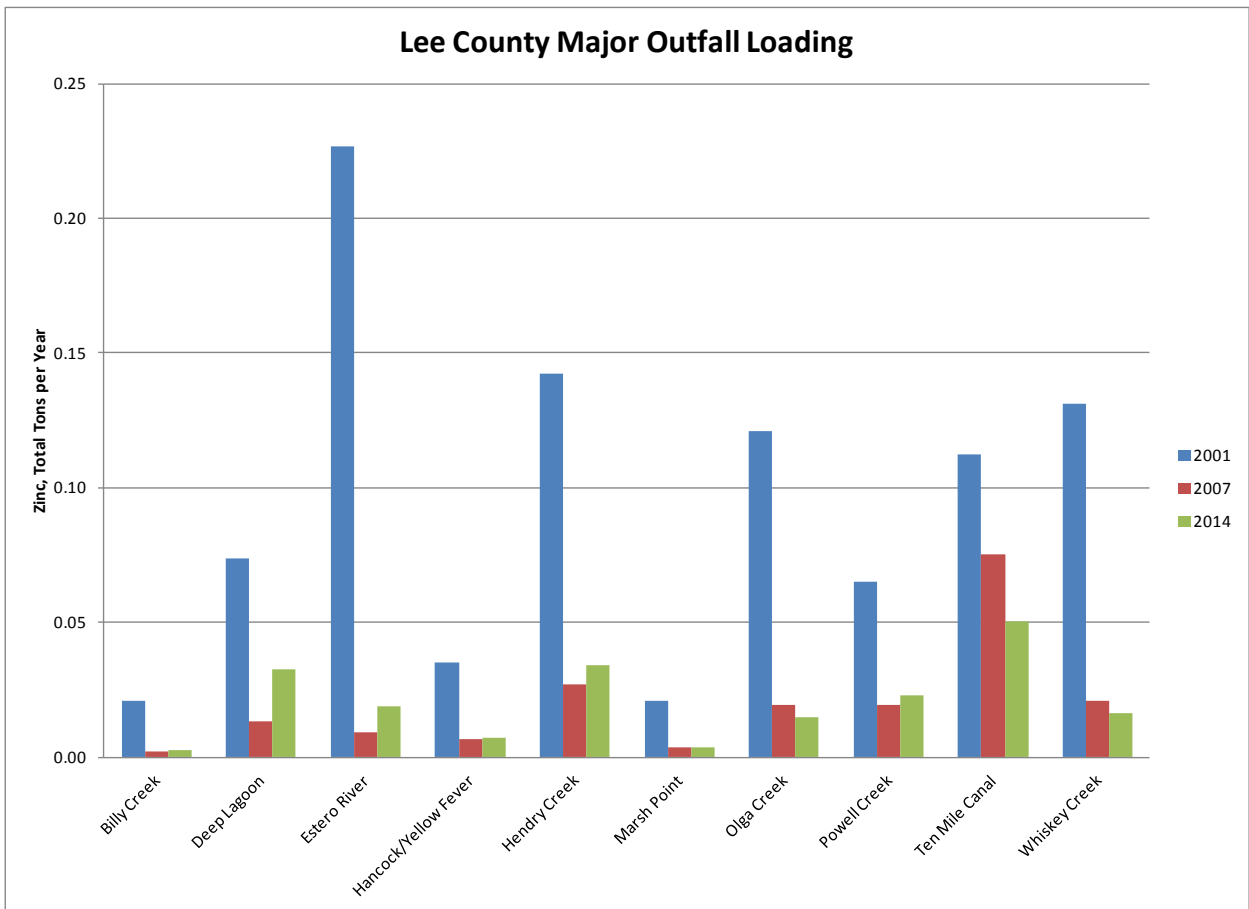
	Phosphorus, Total			
Average of loading				
In Tons/year	2001	2007	2014	Trend
Billy Creek	0.31	0.25	0.18	Decreasing
Deep Lagoon	1.63	0.96	0.66	Decreasing
Estero River	0.89	0.07	0.07	Decreasing
Hancock/Yellow Fever	1.03	0.39	0.35	Decreasing
Hendry Creek	1.36	0.30	0.48	Decreasing
Marsh Point	0.28	0.33	0.21	Decreasing
Olga Creek	1.29	0.48	0.13	Decreasing
Powell Creek	1.14	0.46	0.29	Decreasing
Ten Mile Canal	0.44	0.99	0.52	Increasing
Whiskey Creek	0.37	0.31	0.11	Decreasing
Average	0.87	0.45	0.30	Decreasing



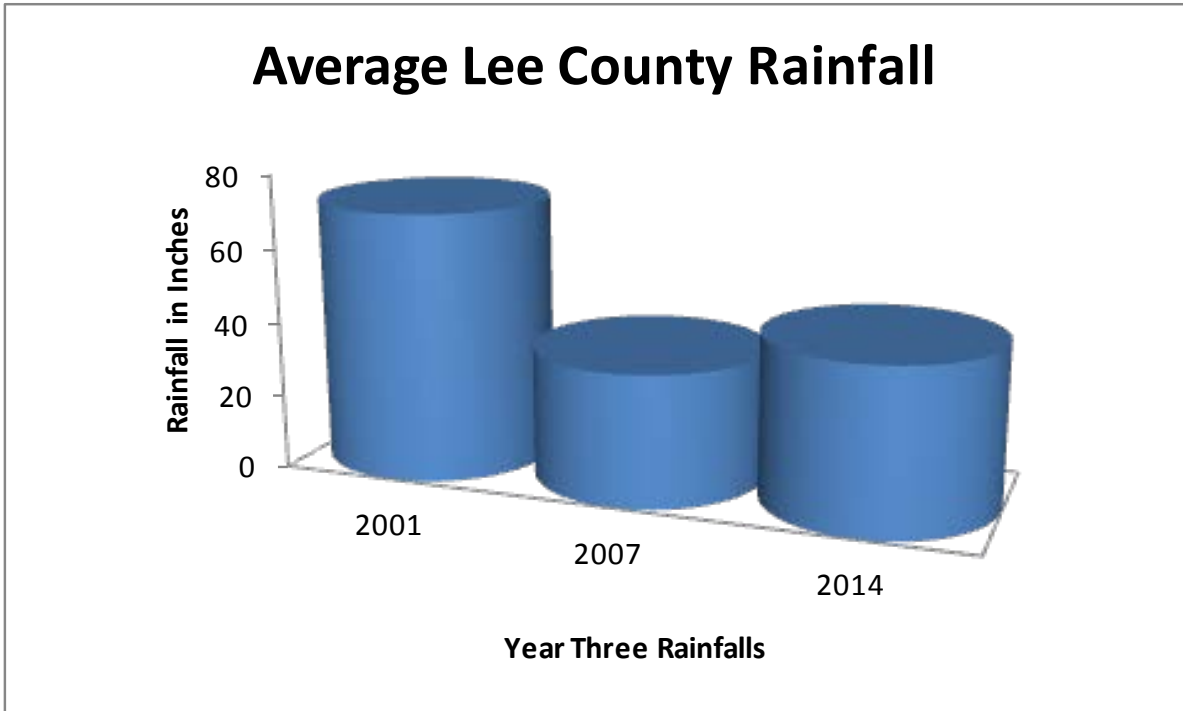
	Total Suspended Solids			
Average of loading				
In Tons/year	2001	2007	2014	Trend
Billy Creek	42.23	3.11	4.27	Decreasing
Deep Lagoon	163.29	14.21	19.00	Decreasing
Estero River	103.47	13.46	44.85	Decreasing
Hancock/Yellow Fever	23.26	2.59	10.35	Decreasing
Hendry Creek	233.46	16.94	73.82	Decreasing
Marsh Point	19.50	9.14	6.31	Decreasing
Olga Creek	29.38	29.99	9.25	Decreasing
Powell Creek	70.97	31.95	36.43	Decreasing
Ten Mile Canal	35.20	83.21	156.91	Increasing
Whiskey Creek	22.25	17.85	24.61	Decreasing
Average	74.30	22.25	38.58	Decreasing



	Zinc, Total			
Average of loading				
In Tons/year	2001	2007	2014	Trend
Billy Creek	0.0209	0.0023	0.0028	Decreasing
Deep Lagoon	0.0740	0.0135	0.0328	Decreasing
Estero River	0.2269	0.0091	0.0188	Decreasing
Hancock/Yellow Fever	0.0352	0.0067	0.0074	Decreasing
Hendry Creek	0.1423	0.0272	0.0342	Decreasing
Marsh Point	0.0210	0.0038	0.0036	Decreasing
Olga Creek	0.1209	0.0194	0.0150	Decreasing
Powell Creek	0.0653	0.0196	0.0231	Decreasing
Ten Mile Canal	0.1124	0.0753	0.0503	Decreasing
Whiskey Creek	0.1312	0.0209	0.0163	Decreasing
Average	0.0950	0.0198	0.0204	Decreasing



Year Three	Average Lee County Rainfall (in.)
2001	72
2007	35.47
2014	43.95



Protocol for Load Calculation Cycle 3

Pollutant loading during the period of record for FLS000035 was determined using different methods. For the first cycle loading was determined using a simple land use model for the entire watershed. For the second cycle it was determined by a model using measured water quality data along with monthly USGS gauged stream data in Lee County to approximate the load for the entire watershed. In order to compare the loads from each cycle, a uniform methodology must be used. In this case, we are using the monthly county-wide flow (in CFS) per square mile from local USGS gauged streams combined with the monthly pollutant concentration to provide the annual load for the major outfalls.

Using this method we recalculated the loading for the previous two cycles, this permits the third year of each permit cycle to be directly compared. We used the monthly loading for each major outfall and sum the subtotals to obtain the annual loading for the major outfall. Trends were assessed using the slope of simple linear regression line.

Tributary	Watershed	Outfall Station	Drainage Area	% Watershed
Ten Mile Canal	46C	10MIGR40	12.3	18%
Hancock/Yellow Fever Creek	16	YFC-CI	3.7	96%
Marsh Point	18	18-6GR	2.2	100%
Olga Creek	39	39-GR20	6.1	100%
Estero River	47A	47A-28GR	38	72%
Billy Creek	41	BillGR60	1.3	12%
Deep Lagoon	43	DeepGR50	7.8	100%
Hendry Creek	45	HendGR20	13.6	100%
Powell Creek	17	PowlGR81	10	75%
Whiskey Creek	42	WhisGR10	9.3	100%

Assessment periods:

- October 2000 through September 2001
- October 2006 through September 2007
- October 2013 through September 2014