

**Lee County Board Of County Commissioners  
Agenda Item Summary**

**Blue Sheet No. 20051190**

**1. ACTION REQUESTED/PURPOSE:** Approve Lee County's portion of the Sixth Annual Report for the Lee County NPDES (National Pollutant Discharge Elimination System) Storm Water Permit (FLS000035) and authorize staff to transmit the report to the Florida Department of Environmental Protection (FDEP). Authorize Chairman to sign the Certification Page for the NPDES First Annual Report for the 2004 NPDES Permit.

**2. WHAT ACTION ACCOMPLISHES:** Annual Reports are required as a permit condition of the Lee County NPDES permit.

**3. MANAGEMENT RECOMMENDATION:** Staff recommends approval.

**4. Departmental Category:** 08 **C 8 B**

**5. Meeting Date:** **09-06-2005**

**6. Agenda:**  
 Consent  
 Administrative  
 Appeals  
 Public  
 Walk-On

**7. Requirement/Purpose: (specify)**  
 Statute  
 Ordinance  
 Admin. Code  
 Other **Report Cert.**

**8. Request Initiated:**  
 Commissioner \_\_\_\_\_  
 Department Public Works  
 Division Natural Resources  
 By: **Roland Ottolini, Director**

**9. Background:** In October 1997, Lee County obtained a permit to operate its Municipal Separate Storm Sewer System (MS4) from the U.S. Environmental Protection Agency (USEPA), in 2000 the permit responsibilities were transferred to the FDEP. The purpose of the permit is to track activities associated with the operation and maintenance of the MS4. It also specifies certain legal and educational activities required of the County. The result of the permitted activities is to improve the waters discharged to federal waters from the Lee County MS4.

The Annual Report is **due by September 10, 2005**, or six months after the end of the permit year (March 10). It contains summaries of activities performed by Lee County, and will be combined with the reports of the other NPDES Permit Co-permittees. A copy of the final report (including copies of all the Co-permittees reports) will be submitted to the Clerk (for the Record) upon its filing with the FDEP.

Activities associated with the permit are currently budgeted and funded. No additional funding is required.

Attachments: One (1) Copy of NPDES Annual Report  
 Two (2) Original Certification Pages (one to be retained by the Clerk's office and one returned to Division for mailing)

**10. Review for Scheduling:**

Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager/P.W. Director
					Analyst	Risk	Grants	Mgr.	
<i>[Signature]</i>				<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

**11. Commission Action:**

- Approved
- Deferred
- Denied
- Other

RECEIVED BY  
 COUNTY ADMIN: *[Signature]*  
 8-22-05  
 4:30  
 COUNTY ADMIN  
 FORWARDED TO: *[Signature]*  
 8/24/05  
 3:30 PM

CO. ATTY.  
 FORWARDED TO:  
*[Signature]*  
 8-22-05

**SECTION III. MONITORING PROGRAM**

<b>A.</b>	Provide a brief statement as to the status of monitoring plan implementation:  The Lee County monitoring plan added annual sediment monitoring to the existing monthly ambient surface water grab samples collected throughout Lee County. Measures have been implemented to collect flow data at the time of the monthly sample collection. This will assist in calculating mass loading in the major tributaries, either by land use models or by simple spreadsheet calculations.
<b>B.</b>	Provide a brief discussion of the monitoring results to date:  Analytical monitoring of surface water runoff in Lee County has provided valuable information concerning the impact of non-point activities over time. Some water quality impacts are due to local activity, while some are due to upstream activity outside of the local basins. The Caloosahatchee River carries huge quantities of pollutants into local estuaries from outside of local watersheds with external loadings exceeding local runoff.
<b>C.</b>	Attach a monitoring data summary, as required by the permit.

**SECTION IV. FISCAL ANALYSIS**

<b>A.</b>	Total expenditures for the NPDES stormwater management program for the current reporting year: \$441,564
<b>B.</b>	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$341,845

**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):

<u>Attached</u>	<u>N/A</u>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	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): \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_



# 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 mail to the address in the box at right.
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below.**

**Submit the form and attachments to:**  
 Florida Department of Environmental Protection  
 Mail Station 2500  
 2600 Blair Stone Road  
 Tallahassee, Florida 32399-2400

**SECTION I. BACKGROUND INFORMATION**

<b>A.</b>	Permittee Name: Lee County		
<b>B.</b>	Permit Name: Lee County Municipal Separate Storm Sewer System		
<b>C.</b>	Permit Number: FLS000035		
<b>D.</b>	Annual Report Year: <input checked="" type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 <input type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:		
<b>E.</b>	Reporting Time Period (month/year): 10/2003 through 02/2005		
<b>F.</b>	Name of the Responsible Authority: Chairman Lee County BOCC		
	Title: Chairman		
	Mailing Address: P.O. Box 398		
	City: Ft. Myers	Zip Code: 33902-0398	County: Lee
	Telephone Number: 239-335-2269	Fax Number: 239-335-2449	
<b>G.</b>	E-mail Address: mail_center@leegov.com		
	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Tony Pellicer		
	Title: Engineering manager		
	Department: Public Works/Natural Resources		
	Mailing Address: P.O. Box 398		
	City: Ft. Myers	Zip Code: 33902-0398	County: Lee
	Telephone Number: 239-479-8129	Fax Number: 239-479-8108	
	E-mail Address: pellicla@leegov.com		

**SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable In Year 1)**

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

**SECTION III. MONITORING PROGRAM**

<b>A.</b>	Provide a brief statement as to the status of monitoring plan implementation:  The Lee County monitoring plan added annual sediment monitoring to the existing monthly ambient surface water grab samples collected throughout Lee County. Measures have been implemented to collect flow data at the time of the monthly sample collection. This will assist in calculating mass loading in the major tributaries, either by land use models or by simple spreadsheet calculations.
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Name of Responsible Authority (type or print): \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**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
Part III.A.1	Structural Controls and Stormwater Collection Systems Operation				
	Maintain an up-to-date inventory of stormwater facilities operated by the permittee. Provide any updates to the inventory in the subsequent ANNUAL REPORT.	0			LDOT reports none in inventory
	Dry retention ponds	32	GIS Mapping	LDOT Operations	
	Wet retention ponds	672	GIS Mapping	LDOT Operations	
	Channels/canals (miles)	4655	GIS Mapping	LDOT Operations	
	Ditches/swales (miles)	1713	GIS Mapping	LDOT Operations	
	Inlets/catch basins/grates	33	GIS Mapping	LDOT Operations	
	Pollution control structures	8	GIS Mapping	LDOT Operations	
	Weirs				
	Conduct inspections and maintenance of structural controls and roadway stormwater collection structures in accordance with Table II.A.1.a of the permit. Maintain an internal record keeping system to schedule and document inspections and maintenance activities performed on structural controls and roadway stormwater collection structures operated by the permittee. Report on the inspections and maintenance conducted in each ANNUAL REPORT.	0			No dry retention ponds
	Dry retention pond inspections	0			No dry retention ponds
	Dry retention pond maintenance	192	LDOT Work Order	LDOT Operations	
	Wet retention pond inspections	192	LDOT Work Order	LDOT Operations	
	Wet retention pond maintenance	58	LDOT Work Order	LDOT Operations	
	Channel/canal inspections (miles)	58	LDOT Work Order	LDOT Operations	
	Channel/canal maintenance (miles)	82	LDOT Work Order	LDOT Operations	
	Ditch/swale inspections (miles)	82	LDOT Work Order	LDOT Operations	
	Ditch/swale maintenance (miles)	361	LDOT Work Order	LDOT Operations	
	Inlet/catch basin/grate inspections				

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	<p>Inlet/catch basin/grate maintenance</p> <p>Pollution control structure inspections</p> <p>Pollution control structure maintenance</p> <p>Weir inspections</p> <p>Weir maintenance</p> <p>Pipe cleaning/clearing (miles)</p>	<p>361</p> <p>0</p> <p>0</p> <p>139</p> <p>94</p> <p>5</p>	<p>LDOT Work Order</p> <p></p> <p></p> <p>LDOT Work Order</p> <p>LDOT Work Order</p> <p>LDOT Work Order</p>	<p>LDOT Operations</p> <p>LDOT Operations</p> <p>LDOT Operations</p> <p>LDOT Operations</p> <p>LDOT Operations</p> <p>LDOT Operations</p>	<p>Inspections occurred but no work order documentation available this year.</p> <p>Maintenance occurred but no work order documentation available this year.</p>
<p>Part III.A.2</p>	<p>Areas of New Development and Significant Redevelopment</p> <p>During Years 1 and 2, conduct a review of the permittee's current local codes and land development regulations to determine where changes can be made to reduce the stormwater impact of new development. In particular, focus on changes to the code that will promote: reductions in impervious surfaces; the use of swales, the incorporation of low impact development principles, stormwater reuse, and adherence to the principles of the Florida Yards and Neighborhoods program in new landscaping. Provide a summary of recommended changes to the local codes and regulations with a schedule for implementation in the Year 3 ANNUAL REPORT.</p>				
<p>Part III.A.3</p>	<p>Roadways</p> <p>Continue to implement the litter control programs for public highways and streets, including rights-of-way, employed within the permittee's jurisdictional area and properly dispose of collected material. Report on the litter collection activities, including the frequency of litter collection and an estimate of the quantity of litter collected, in each ANNUAL REPORT.</p>	<p>607</p> <p>1,966</p>	<p>Adopt a Road e-mail and LDOT work order</p> <p>Adopt a Road e-mail and LDOT work order</p>	<p>LDOT Operations</p> <p>LDOT Operations</p>	<p>Number of litter collections</p> <p>Amount of litter collected (tons)</p>

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	Total miles of right-of-way maintained	4,788	Adopt a Road e-mail and LDOT work order	LDOT Operations	
	Continue to implement standard practices employed 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. <b>Applicable municipal equipment yards and maintenance shops</b>	2	DNR Access Database FAC_INSP.mdb	DNR Inspectors	LDOT Operation Billy Creek & Lehigh Equipment Yard
	<b>Frequency or number of inspections</b>	1	Access Database FAC_INSP.mdb	Natural Resources Staff	Operations inspected
	Continue to maintain the Lee County Department of Transportation (LDOT) 24-hour Request for Action (RFA) service for public reporting of roadway and drainage problems. <b>Number of Requests for Action (RFAs) reported</b>	1321	RFA System	LDOT Operations	Request Type=Vector, ditch and canal
	Continue to actively promote and coordinate, on a regular basis, public participation in the "Keep Lee County Beautiful, Inc." litter control program. <b>Number of RFAs resolved</b>	951	RFA System	LDOT Operation	
	<b>Amount of litter collected (tons)</b>	73,311	Paper Record	Keep Lee County Beautiful	
	<b>Total miles cleaned (per year)</b>	112	Paper Record	Keep Lee County Beautiful	
Part III.A.4	Maintain a list of stormwater capital improvement projects proposed by the Stormwater Management Master Plan. Report on the status of the projects, including a description of the stormwater quality improvement and/or protection measures for each project, in each ANNUAL REPORT. Include only those projects with activity during the reporting year. <b>Capital Improvement Projects (CIPs) proposed</b> CIPs active CIPs completed <b>(Attach description of stormwater quality improvements/protection measures for each project)</b>				Flood Control Projects
Part III.A.5	Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit				

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Part III.A.6	<p>Continue the program to identify priorities and procedures for inspections, and implementation of measures to control discharges from municipal waste treatment, waste storage, and waste disposal facilities, including transfer stations and waste fleet maintenance facilities that are not otherwise covered by an NPDES stormwater permit. The program shall identify priority facilities and shall determine the necessary control measures and procedures to be employed at each facility. Report on the status and findings of the program, including the number and frequency of the inspections conducted, and the identification of the applicable facilities, in each ANNUAL REPORT</p> <p><b>Applicable municipal facilities</b></p> <p><b>Number of inspections</b></p> <p><b>Frequency of inspections</b></p>	<p>5</p> <p>0</p> <p>0</p>	<p>LDOT Work Order</p>	<p>LDOT Operations</p> <p>LDOT Operations</p> <p>LDOT Operations</p>	<p>1,080 inspections occurred but no documentation available.</p> <p>Inspections occur 3 days a week per site but no documentation available.</p>
	<p>Pesticides, Herbicides, and Fertilizer Application</p> <p>Continue to require documentation of proper certification and licensing for all applicators contracted to apply pesticides or herbicides on permittee-owned property, as well as any permittee personnel employed in the application of these products, in accordance with Florida Department of Agriculture regulations.</p> <p><b>Certified/licensed applicators (personnel)</b></p> <p><b>Certified/licensed applicators (contractors)</b></p>	<p>12</p> <p>32</p>	<p>LDOT Work Orders</p> <p>Purchasing Dept</p>	<p>LDOT Operations</p> <p>Licensed Contractors</p>	<p>Verified at <a href="http://www.safepesticideuse.com">www.safepesticideuse.com</a></p>
	<p>Continue to implement a public education program (using such means as the Internet, literature, lectures, special events, notices on Government Access television, radio announcements, utility bill inserts, bulletin board ads, etc) to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers. Continue the distribution of public education materials describing the need to minimize the application of fertilizers, pesticides and herbicides, and promote actions such as incorporating native vegetation and xeriscape concepts into new landscaping projects. Report on the public education activities that occurred within the permittee's jurisdiction, such as the number of brochures/bill inserts distributed, the number of newspaper articles published, and the number of public presentations conducted, in each ANNUAL REPORT.</p> <p><b>Brochures/Flyers/Fact sheets distributed</b></p> <p><b>Public displays</b></p>	<p>440,000</p> <p>65</p>	<p>Magazine Mailings</p> <p>FYN Records</p>	<p>FYN</p> <p>FYN</p>	



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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
	<p><b>Special events Website hits</b></p>	41	FYN Records	FYN	
	<p>Continue to conduct annual seminars, training sessions, and/or on-the-job supervision for municipal applicators to emphasize the stormwater implications of pesticides and herbicide application. Report on the training activities, including the number of training sessions conducted and the number of municipal applicators trained, in each ANNUAL REPORT.</p>	556	Website Counter	FYN	
	<p><b>Training sessions conducted</b></p>	34	LDOT Records	LDOT Operations	
	<p><b>Municipal applicators trained</b></p>	7	LDOT Records	LDOT Operations	
Part III.A.7.a	<p>Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures</p>				
	<p><b>No Reportable Items</b></p>				
Part III.A.7.c	<p>Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal</p>				
	<p>Continue to implement the standard investigative procedures (including pro-active inspections) to identify and terminate the source(s) of illicit connections or discharges to the MS4. Based upon reports received from personnel or citizens, investigate suspected illicit discharges. Maintain an internal log documenting the reports of suspected illicit discharges, investigations performed, and enforcement actions taken. Report on the program, including the number and the results of the investigations and enforcement actions conducted, in each ANNUAL REPORT.</p>				
	<p><b>Pro-active inspections of suspected illicit connections/discharges/dumping</b></p>	16	RFA System	Lee County Personnel	
	<p><b>Investigations of reports of suspected illicit connections/discharges/dumping</b></p>	86	RFA System	Natural Resources Staff	
	<p><b>Illicit connections/discharges/dumping</b></p>	54	RFA System	Natural Resources Staff	
	<p><b>Citations (warnings) issued</b></p>	1	RFA System	Natural Resources Staff	
	<p><b>Tickets (fines) issued</b></p>	0	RFA System	Natural Resources Staff	
	<p>Continue to implement a periodic training course to educate appropriate permittee personnel to identify and report conditions in the stormwater facilities that may indicate the presence of illicit discharges to the MS4. Report on the training activities, including the number of training courses conducted and the number of personnel trained, in each ANNUAL REPORT.</p>				
	<p><b>Training sessions conducted</b></p>	1	Powerpoint Presentation	Natural Resources Staff	Presentation on 8/11/04
	<p><b>Personnel trained</b></p>	6	Town of Ft. Myers Beach Staff	Natural Resources Staff	

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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.d	<p>Illicit Discharges and Improper Disposal — Spill Prevention and Response</p> <p>Continue to implement the spill-prevention/spill-response plan and procedures to prevent, contain, and respond to spills that may discharge into the MS4. Ensure that spills, regardless of whether they are hazardous, are properly addressed. Report on the spill prevention and response activities, including the number of spills addressed, in each ANNUAL REPORT.</p> <p><b>Hazardous and non-hazardous material spills responded to</b></p> <p><b>Citations (warnings) issued</b></p> <p><b>Tickets (fines) issued</b></p> <p><b>Enforcement referrals to DEP/agency</b></p> <p>Provide periodic training courses on proper spill prevention, containment, and response techniques and procedures for appropriate permittee personnel. Report on the training activities completed, including the number of training courses provided and the number of personnel trained, in each ANNUAL REPORT.</p> <p><b>Training courses provided</b></p> <p><b>Personnel trained</b></p>	<p>190</p> <p>0</p> <p>0</p> <p>11</p> <p>2</p> <p>29</p>	<p>RFA Report, Fire District Reports</p> <p>RFA Report, Fire District Reports</p> <p>RFA Report, Fire District Reports</p> <p>RFA Report, Fire District Reports</p> <p>Class Roster</p> <p>Class Roster</p>	<p>DNR, Fire Districts</p> <p>DNR, Fire Districts</p> <p>DNR, Fire Districts</p> <p>DNR, Fire Districts</p> <p>ALL-PRO Occupational Trainers</p> <p>ALL-PRO Occupational Trainers</p>	
Part III.A.7.e	<p>Illicit Discharges and Improper Disposal — Public Reporting</p> <p>Continue to maintain a complaint log documenting all reports of illicit discharges and improper disposal and the actions taken to investigate and resolve the problem in the permittee's jurisdictional area. Report the number and type of complaints received and the results of the investigations (i.e., whether an illicit discharge was found and subsequently eliminated) in each ANNUAL REPORT.</p> <p><b>Citizen reports of suspected illicit connections/discharges/dumping received</b></p> <p><b>Illicit connections/discharges/dumping found</b></p> <p><b>Illicit connections/discharges/dumping eliminated</b></p>	<p>70</p> <p>54</p> <p>54</p>	<p>RFA System</p> <p>RFA System</p> <p>RFA System</p>	<p>Natural Resources Staff</p> <p>Natural Resources Staff</p> <p>Natural Resources Staff</p>	

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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
	<p>Continue to promote, publicize, and facilitate public reporting of the presence of illicit discharges and improper disposal of materials into the MS4. Continue to maintain a dedicated phone line for reporting of suspected illicit discharges and improper disposal. The permittee shall publicize the existence of this number on a routine basis and shall include information on the problems associated with illicit discharges and improper disposal, how to identify them, and how to report incidents found. Report on the public outreach activities conducted in each ANNUAL REPORT.</p> <p><b>Brochures/Flyers/Fact sheets distributed</b></p> <p><b>Public displays</b></p> <p><b>Seminars/Workshops</b></p> <p><b>Special events</b></p> <p><b>Website hits</b></p>	<p>1010</p> <p>2</p> <p>1</p> <p>1</p> <p>302</p>	<p>NPDES Calendar Notes</p> <p>NPDES Calendar Notes</p> <p>NPDES Calendar Notes</p> <p>NPDES Calendar Notes</p> <p>Counter of Website</p>	<p>Natural Resources Staff</p> <p>Natural Resources Staff</p> <p>Natural Resources Staff</p> <p>Natural Resources Staff</p> <p>Natural Resources Staff</p>	<p>Southwest Florida Fair &amp; Underground Utility Contractor Trade Show</p> <p>2/17/05 Presentation to Underground Utility Contractors</p> <p>Tool Kit checked out by Environmental Teacher with Lee County</p>
Part III.A.7.f	<p><b>Illicit Discharges and Improper Disposal</b>— Oils, Toxics, and Household Hazardous Waste Control</p> <p>Continue implementation of the outreach program to instruct the public on responsible environmental management and the proper disposal of used motor oil, leftover hazardous household products, and lead acid batteries. The outreach program could include an activity such as the stenciling/marketing of municipally-owned storm sewer inlets, and providing information through the internet, utility bill inserts, brochures, flyers, PSAs, presentations, etc. Continue to support and publicize Household Hazardous Waste Collection Days and Conditionally Exempt Business Collection Days to facilitate proper disposal of oil, toxics, and household hazardous materials. Lee County shall provide the other permittees with adequate advance notification of these planned events. Report on the public outreach activities conducted in each ANNUAL REPORT</p> <p><b>Brochures/Flyers/Fact sheets distributed</b></p> <p><b>Direct mailings</b></p> <p><b>Newspaper and newsletter articles/notices</b></p>	<p>6,400</p> <p>109,000</p> <p>3,575,000</p>	<p>Lee Co P2 Records</p> <p>Billing Invoice</p> <p>Billing Invoice</p>	<p>Lee Co P2 Program</p> <p>Lee Co Solid Waste</p> <p>Lee Co Solid Waste</p>	<p>400/month</p> <p>Calendar</p> <p>50 different notices x circulation</p>

**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
	<p>Newsletters distributed</p> <p>Number of Household Hazardous Waste Collection Day events</p> <p>Public displays</p> <p>Radio or television Public Service Announcements (PSAs)</p> <p>Special events</p> <p>Storm sewer inlets marked</p>	<p>20,000</p> <p>16</p> <p>3</p> <p>782</p> <p>1</p> <p>0</p>	<p>Lee Co P2 Records</p> <p>Lee Co Solid Waste Records</p> <p>Lee Co P2 Records</p> <p>Billing Invoice</p> <p>Billing Invoice</p>	<p>Lee Co P2 Program</p> <p>Lee Co Solid Waste</p> <p>Lee Co P2 Program</p> <p>Lee Co Solid Waste</p> <p>Lasso Entertainer</p>	<p></p> <p></p> <p></p> <p></p> <p>Municipal Recycling Facility Birthday Event</p>
Part III.A.7.g	<p>Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage</p> <p>Continue to implement procedures to reduce or eliminate discharges to the MS4 from sanitary sewer seepage and sanitary sewer overflows (SSOs). Report on the activities to reduce or eliminate seepage and SSOs, such as number of incidents discovered and resolved, in each ANNUAL REPORT.</p> <p>Sanitary sewer seepage incidents discovered</p> <p>Sanitary sewer seepage incidents resolved</p> <p>Sanitary sewer overflows (SSOs) discovered</p>	<p></p> <p></p> <p></p> <p>23</p> <p>23</p> <p>1</p>	<p></p> <p></p> <p></p> <p>WWTP Event Reports</p> <p>WWTP Event Reports</p> <p>WWTP Event Reports</p>	<p></p> <p></p> <p></p> <p>LCU, NFMU</p> <p>LCU, NFMU</p> <p>LCU, NFMU</p>	<p></p> <p></p> <p></p> <p></p> <p></p>
Part III.A.8.a	<p>Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections</p> <p>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 waterbody into which each high risk facility discharges.</p> <p>Total high risk facilities</p> <p>New high risk facilities</p> <p>Continue the inspection program procedures for high risk facilities, according to the priority and established inspection schedules, to determine compliance with all appropriate aspects of the stormwater program (e.g., no illicit connections and compliance with local stormwater regulation requirements). Maintain a log documenting the inspections performed and enforcement actions taken. Report on the inspection program, including the number and results of inspections conducted and enforcement actions taken, in each ANNUAL REPORT.</p>	<p></p> <p></p> <p>15</p> <p>5</p>	<p></p> <p></p> <p>Access Database FAC_INSP.mdb</p> <p>Access Database FAC_INSP.mdb</p>	<p></p> <p></p> <p>DNR-Leigh Simmons/Becky Alexander</p> <p>DNR-Leigh Simmons/Becky Alexander</p>	<p></p> <p></p> <p></p> <p></p>

**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.8.b	<p>High risk facility inspections</p> <p>Citations (warnings) issued</p> <p>Tickets (fines) issued</p>	<p>11</p> <p>0</p> <p>0</p>	<p>Access Database FAC_INSP.mdb</p> <p>Access Database FAC_INSP.mdb</p> <p>Access Database FAC_INSP.mdb</p>	<p>DNR-Leigh Simmons/Becky Alexander</p>	
Part III.A.9.a	<p>Industrial and High-Risk Runoff — Monitoring for High Risk Industries</p> <p>Monitoring 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.</p> <p><b>New high risk facilities evaluated</b></p> <p><b>High risk facilities monitored</b></p>	<p>2</p> <p>11</p>	<p>Access Database FAC_INSP.mdb</p> <p>Access Database FAC_INSP.mdb</p>	<p>DNR-Leigh Simmons/Becky Alexander</p> <p>DNR-Leigh Simmons/Becky Alexander</p>	
Part III.A.9.b	<p>Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices</p> <p>Continue to implement the local codes or land development regulations that require construction site planning approval and structural and non-structural erosion and sediment controls during construction to reduce the discharge of pollutants to the MS4.</p> <p><b>Construction site plan reviews (private and municipal sites)</b></p>	<p>490</p>	<p>Tidemark Advantage</p>	<p>Lee County Development Services &amp; Natural Resources</p>	
Part III.A.9.b	<p>Construction Site Runoff — Inspection and Enforcement</p> <p>Continue to implement the inspection program for construction projects to ensure compliance with local stormwater requirements and the permittee's development requirements concerning erosion and sediment control. Maintain enforcement of inspection program by issuing a violation notice and/or a stop work order to those construction site operators that repeatedly do not maintain compliance with the approved erosion and sediment control BMPs and permit conditions. Maintain an internal log documenting the inspections performed and any enforcement actions taken. Report on the inspection program, including the number of construction inspections conducted and the number and type of enforcement actions taken, in each ANNUAL REPORT.</p>				

**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
	<p>Construction site inspections (private and municipal sites)</p>	3610	Access Database ConstInspData.mdb	DNR-Leigh Simmons/Becky Alexander	
	Citations (warnings) issued	63	Access Database ConstInspData.mdb	DNR-Leigh Simmons/Becky Alexander	
	Stop Work Orders issued	0	Access Database ConstInspData.mdb		
	Tickets (fines) issued	17	Access Database ConstInspData.mdb	DNR-Leigh Simmons/Becky Alexander	
Part III.A.9.c	<p>Develop and implement a formalized construction inspection checklist covering current stormwater management and water quality inspection items in order to standardize the inspection process. Provide a copy of the developed checklist in the Year 1 ANNUAL REPORT. (Year 1 Only: Attach inspection checklist)</p> <p>Construction Site Runoff — Site Operator Training</p> <p>Continue the stormwater training/outreach program for construction site operators and inspectors. Provide periodic training courses for public and private persons involved in the construction or inspection of stormwater management, erosion and sediment controls. Report on the training activities, including the number of training courses provided and the number of personnel trained, in each ANNUAL REPORT. Training courses provided</p> <p>Private participants trained</p> <p>Municipal construction inspectors/ site operator trained</p> <p>Municipal construction site plan reviewers trained</p> <p>Continue to implement the procedures to notify building permit applicants of their potential application responsibilities under the Department's NPDES generic permit for stormwater discharge from construction activities (Rule 62-621.300(4), F.A.C.).</p>				
		1	Class Agenda/Sign in Sheet	Lee Co, FDEP, City of Ft. Myers, Applied Polymer & East County Water Control District	
		56	Class Agenda/Sign in Sheet	Lee Co, FDEP, City of Ft. Myers, Applied Polymer & East County Water Control District	
		0	Class Agenda/Sign in Sheet		
		0	Class Agenda/Sign in Sheet		

**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 development orders applicants notified  Provide a description of the notification procedures for building permit applicants required above, and include any supporting materials, in the Year 1 ANNUAL REPORT. (Year 1 Only: Attach description of procedures and supporting material)	490	Tidemark Advantage	Lee County Development Services & Natural Resources	

**SECTION VIII. 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.
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)

## ATTACHMENTS

Table of Contents

Lee County

Annual Report Year 1, October 2003 – February 2005

1. Water Quality Monitoring Summary
  - a) Seasonal Chlorophyll-A
  - b) Seasonal Nitrogen
  - c) Seasonal Lead
  - d) Five-Year Seasonal Copper
  - e) Seasonal Copper
  - f) Seasonal Total Phosphate
  - g) Estero Bay Sediments
2. Major Outfall Inventory Map
3. Major Outfall Inventory List
4. Capital Improvement Projects Description
5. Construction Site Inspection Checklist
6. Building Applicant Notification and Material



# **Monitoring Report Summary**

## Lee County Annual Report

Year 1-A (2004 Permit)

October 2003 through February 2005

### Monitoring Data Summary

Lee County's ambient data collected over the period of record was summarized graphically for three constituents of concern: Total Nitrogen, Total Phosphorous and Chlorophyll. The summary was performed using quarterly average values to demonstrate seasonal variation over the period of record.

Graphically, the trends for nutrient related analytes demonstrate distinct downward trends. During the last five years of monitoring (the previous permit period), all evaluated parameters stabilized in their variance and display well defined reductions. The reduction in variability and the improving trend for all three constituents can be attributed to a sound county-wide inspection/enforcement program for construction sites, the household hazardous waste collection efforts of Lee County Solid Waste and the education efforts of the Lee County Pollution Prevention Program. Collectively, the actions and efforts of the three are countering the negative impacts of growth and land use changes from agricultural to residential and commercial uses.

The graphical analyses of the metals (of concern) provided interesting results. Lead continues to decline over the period of record. However, copper has a slight increase over the period of record, yet during the most recent 5 year period declined markedly. Lead trends can be attributed to the 1970's phasing out of leaded gasoline, while the copper variant may be most attributable to herbicide application.

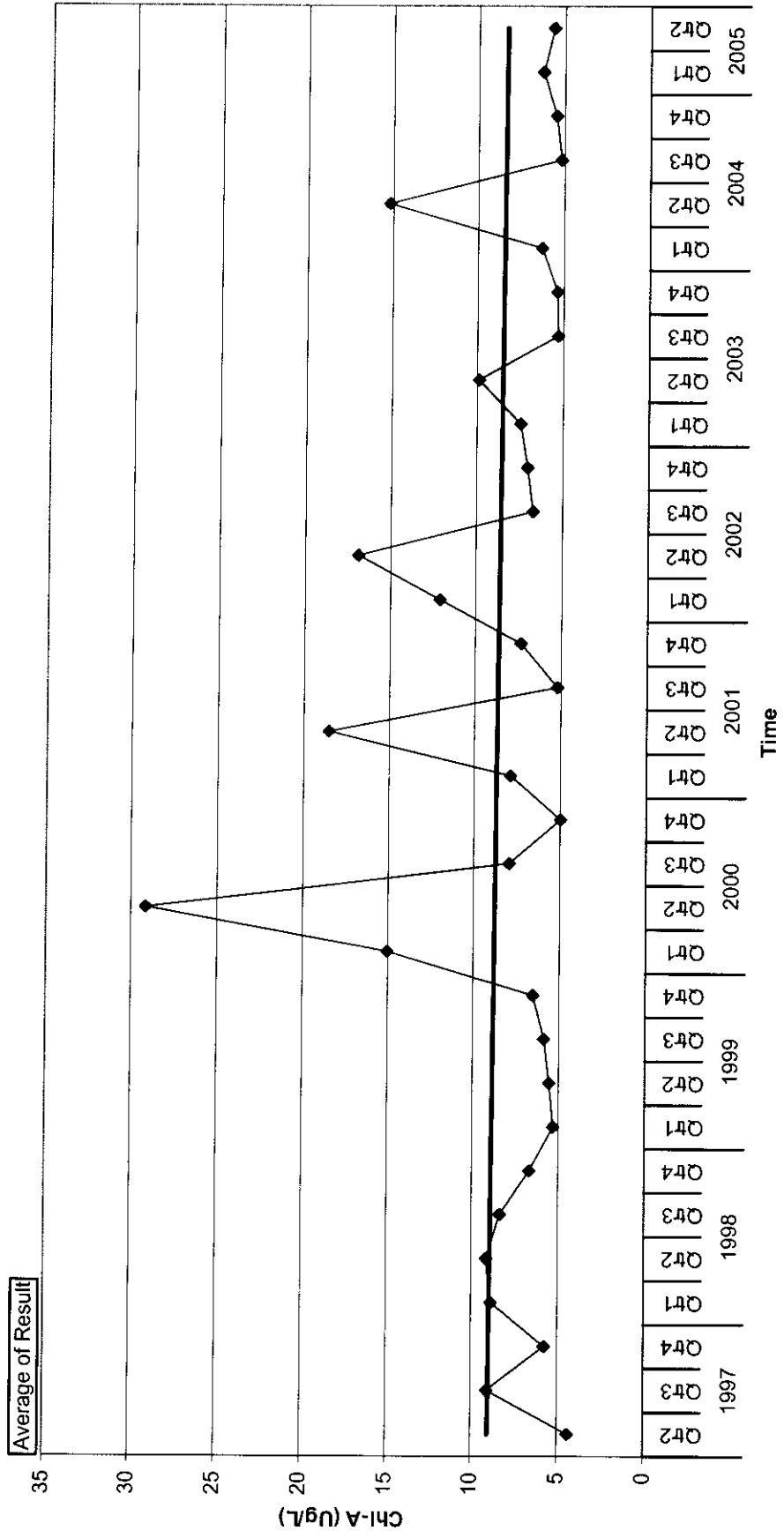
The estuarine sediments tested during June of 2004 for the metals of concern did not demonstrate levels above "natural" in a standard comparative plot against aluminum. This is demonstrated in the Lead plot. The average comparison of metals tested (by event), is plotted and demonstrates graphically the overall trends (by metal) in sediments over time. There appears to be a significant decline in Lead, Cadmium and Zinc over the period of record. Most notably, Lead concentrations in Estero Bay tributary sediments have improved from "enriched" in 1986 and 1995 to "natural" concentrations in 2004.

It may be noted, this summary nor the graphical data below are not intended to represent the trend(s) of any single stream segment nor the impacts from outside the watershed (such as releases into the Caloosahatchee Estuary). There may be problematic areas of concern and these continue to be addressed on a case-by-case basis. However, the quarterly average provides seasonal water quality trends within the County-wide system and is a reasonable barometric summary of water quality. The sediment analyses may be considered indicative of any recent local deposition activity.

## **Seasonal Chlorophyll-A**

Anl Code \$CHLOROA Loc Code (All)

### Seasonal County-wide Chlorophyll-A in Surfacewaters

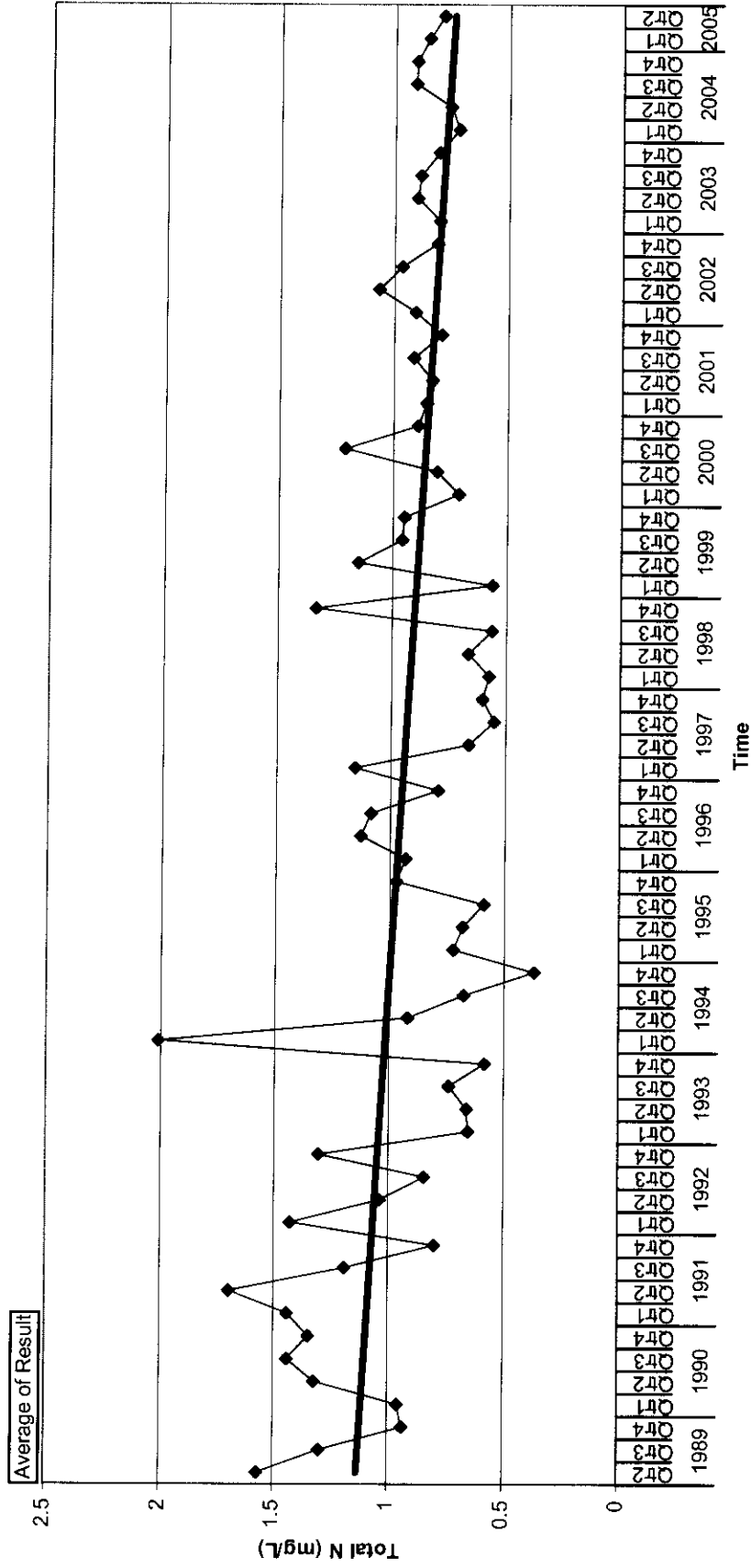


Years Col Date

## **Seasonal Nitrogen**

Anl Code TN Loc Code (All)

### Seasonal County-wide Total Nitrogen in Surfacewaters

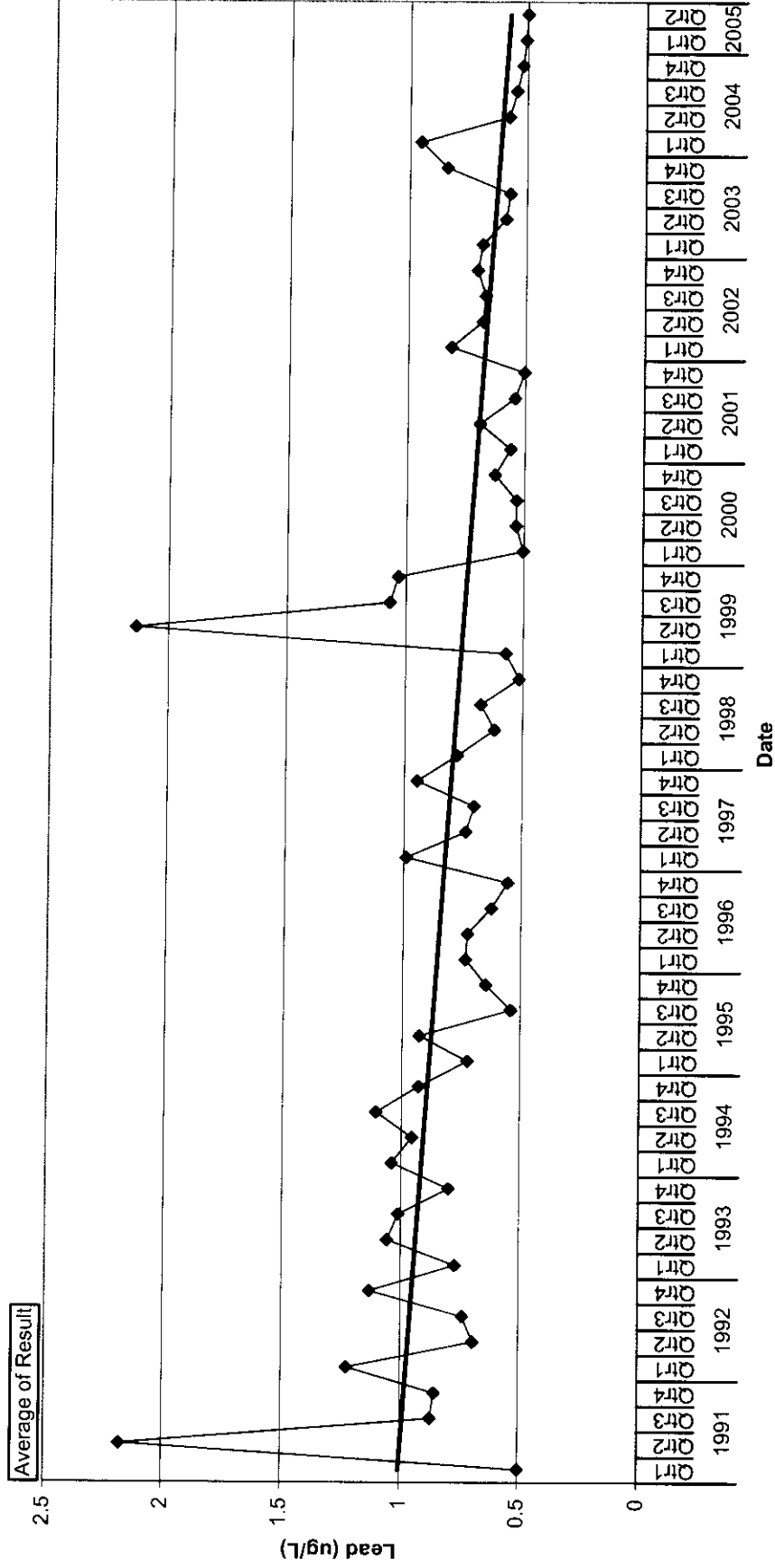


Years Col Date

## **Seasonal Lead**

Anl Code PBUGL Loc Code (All)

### Seasonal County-wide Lead in Surfacewaters



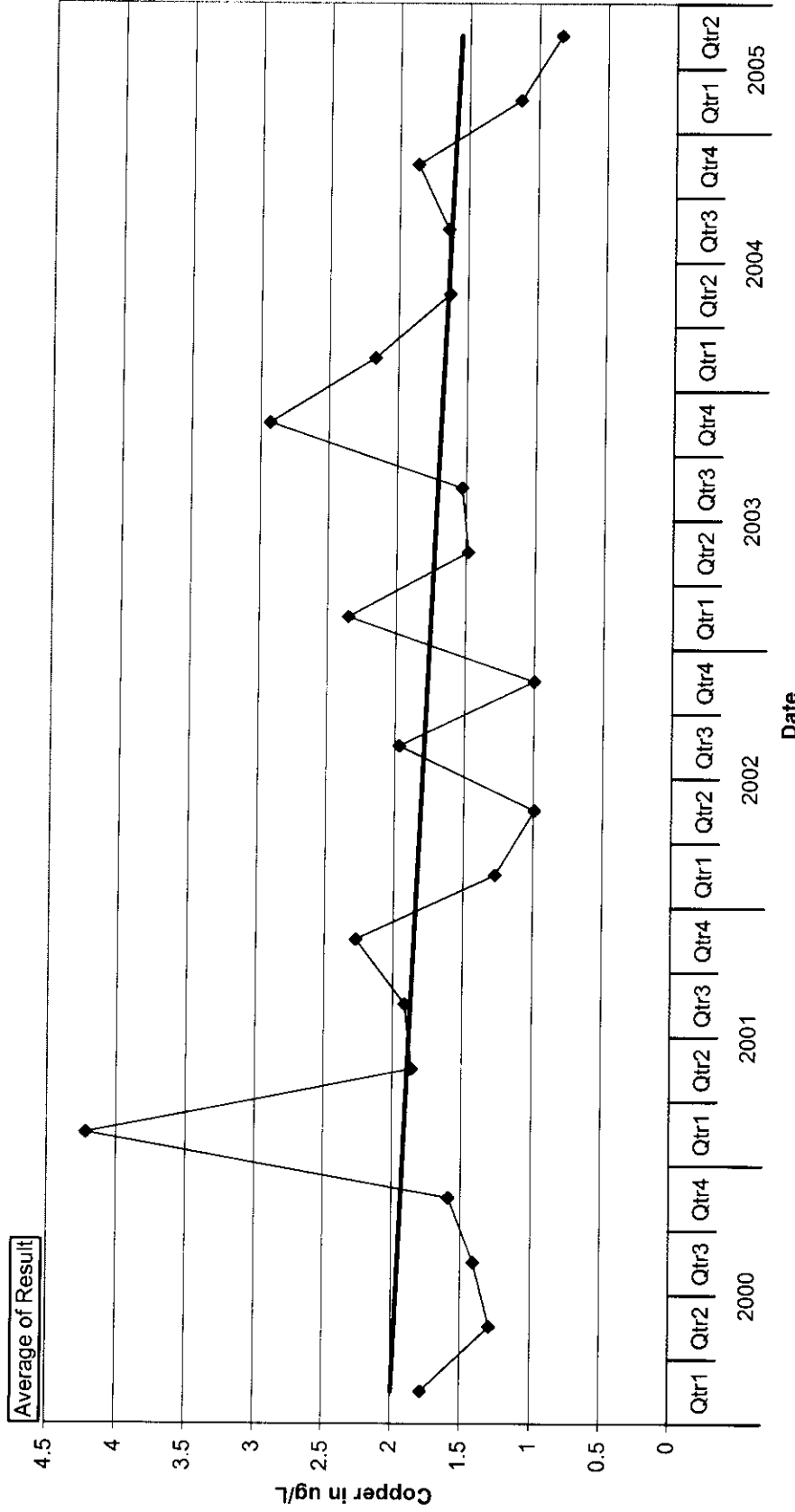
Years Col Date



## **Five-Year Seasonal Copper**

Loc Code (All) Anl Code CUUGL

### Seasonal Five Year County-wide Seasonal Copper in Surfacewaters

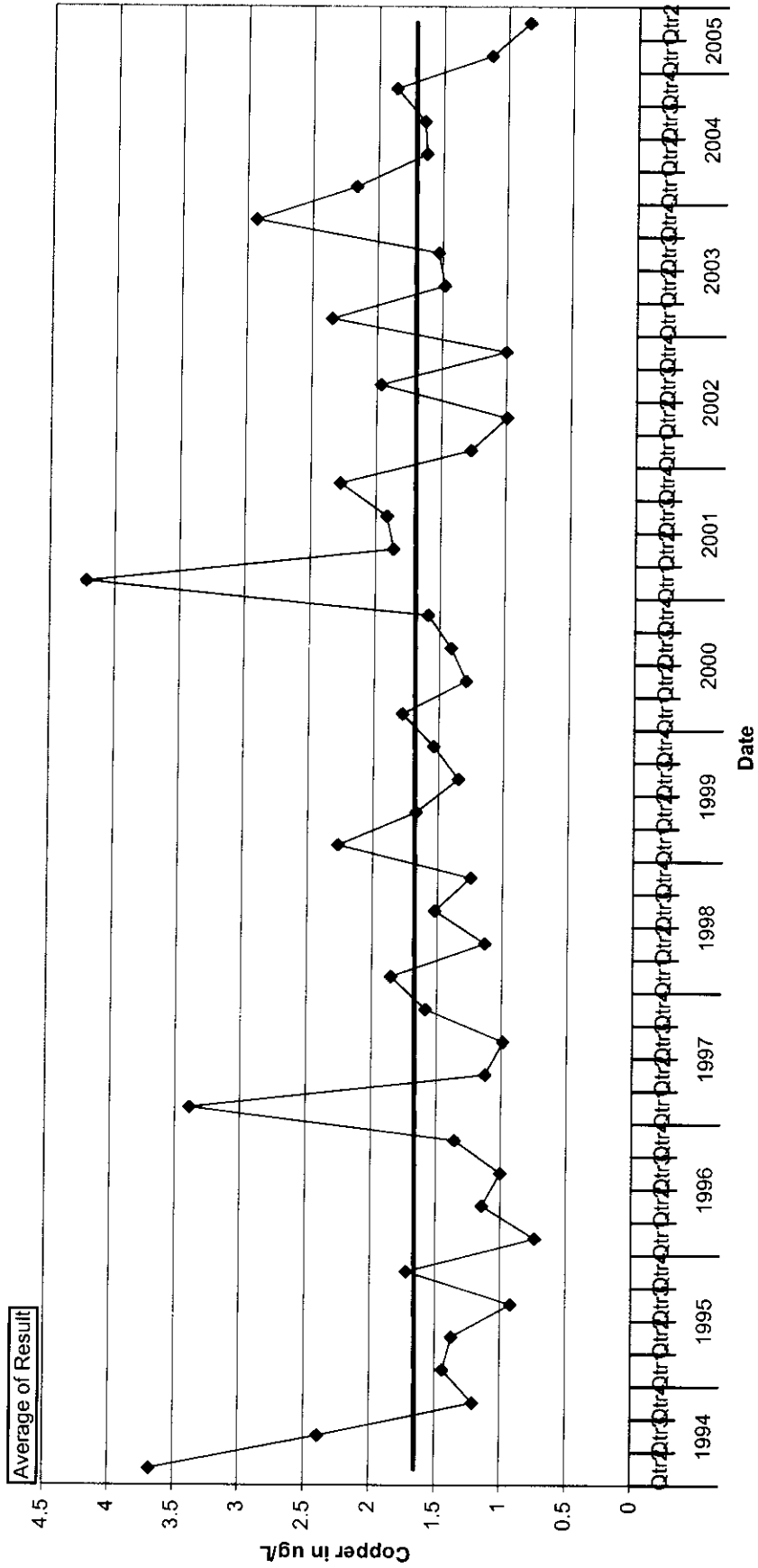


Years Col Date

## **Seasonal Copper**

Loc Code (Alt) Ani Code CUUGL

### Seasonal County-wide Seasonal Copper in Surfacewaters

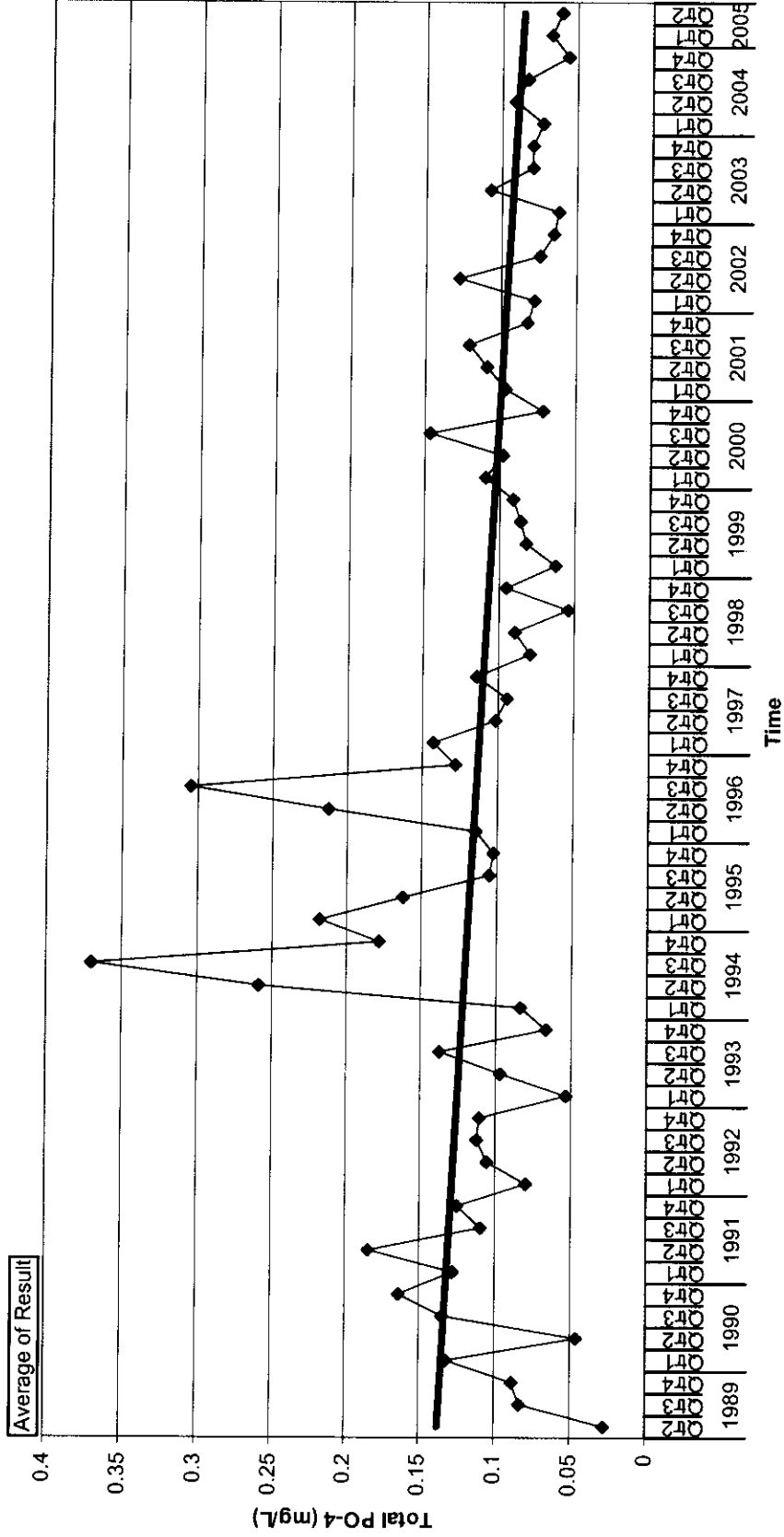


Years Col Date

## **Seasonal Total Phosphate**

Loc Code (All) Anl Code T-PO4

### Seasonal County-wide Total Phosphate in Surfacewaters



Years Col Date

## **Estero Bay Sediments**

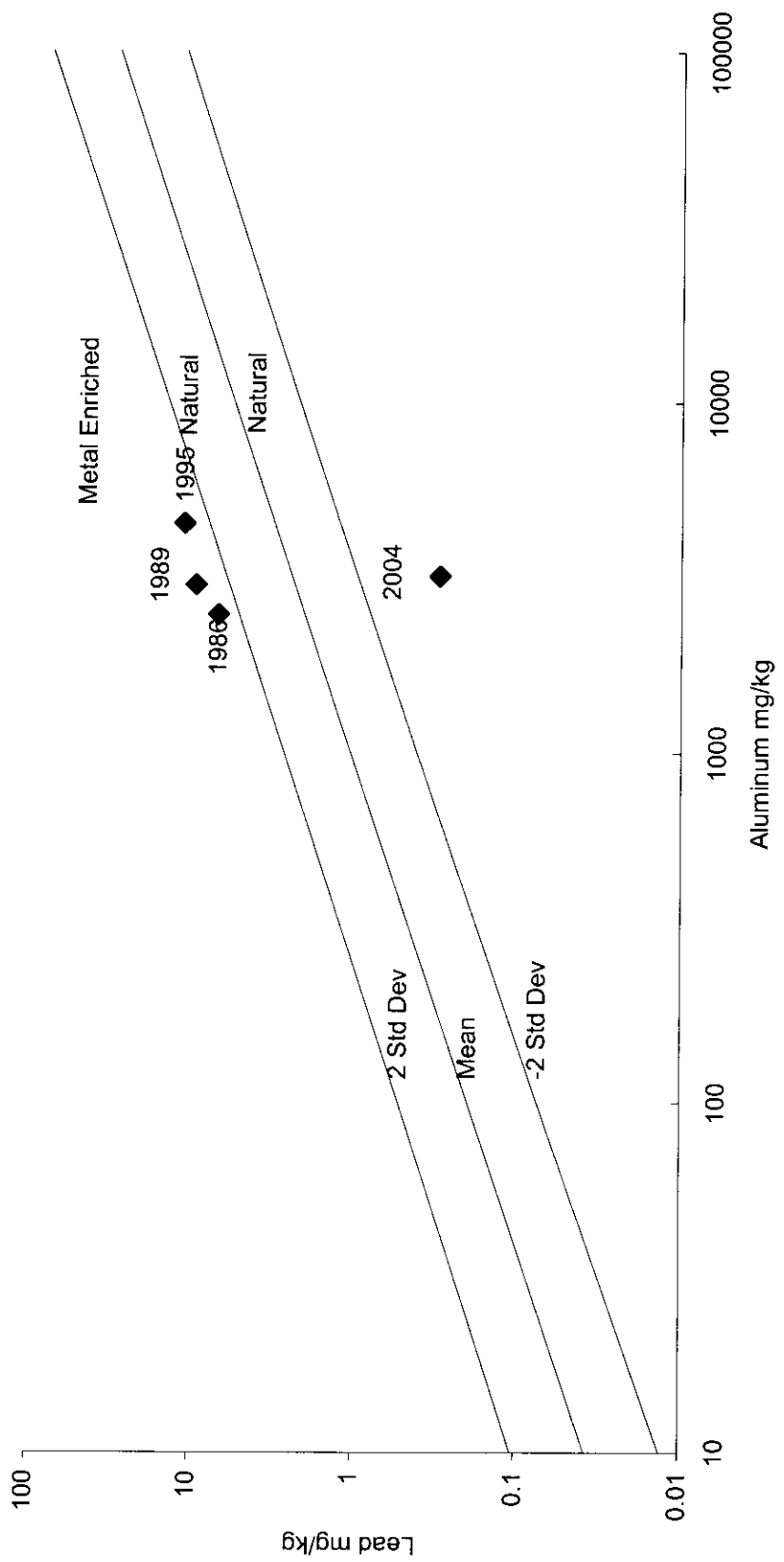
# Estero Bay Sediments



Average metal analyses for the period of record for Estero Bay sediments



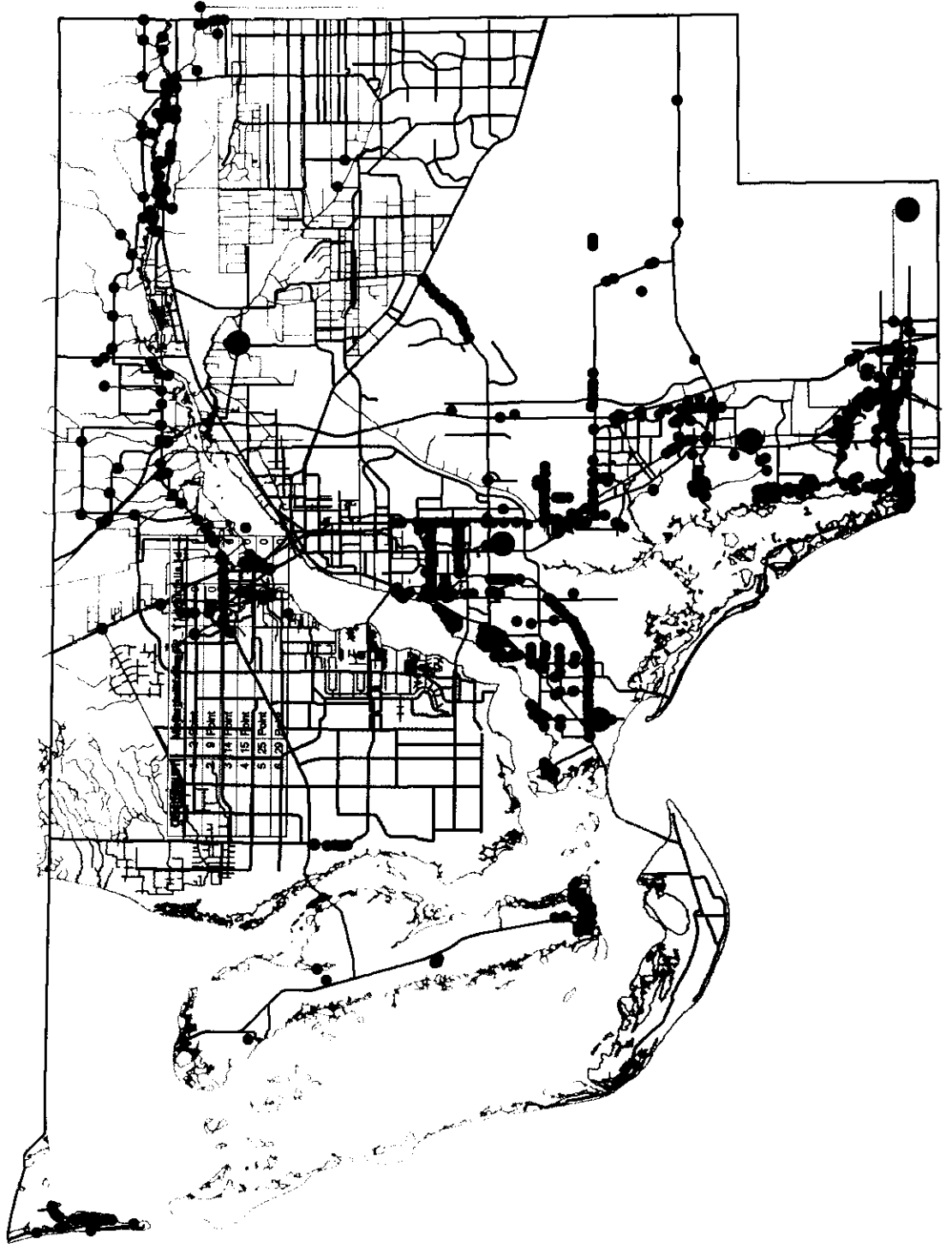
Lead vs Aluminum  
Estero Bay Sediments



Lead results for the four sediment stations collected in June 2004

## **Major Outfall Inventory Map**

# Lee County Major Outfalls



## **Major Outfall Inventory List**

# *Outfalls\_Y1\_Pmt4*

## *Outfall ID Location*

---

20052 Bell Tower Park -US 41 north of Andrea Ln  
200510 Horse Creek  
200515 Coconut Point Area 1  
200516 Cocnut Point Area 2  
200526 Mastique  
200530 Village Walk

# *Y1\_P2\_FSOutfalls*

## ***OUTFALL ID LOCATION***

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43001	Owl Creek @ Shirley Rd.
43002	Owl Creek @ S.R. 31
43003	Owl Creek @ S.R. 31
43004	Owl Creek @ S.R. 31
43005	Owl Creek @ S.R. 31
43006	Palm Creek @ Ruden Ln.
43007	Palm Creek @ Ruden Ln.
43008	Owl Creek @ S.R. 78
43009	Owl Creek @ S.R. 78
43010	Owl Creek @ S.R. 78
43012	Trout Creek @ S.R. 78
43014	Trout Creek @ S.R. 78
43017	Telegraph Creek @ S.R. 78
43019	Small Creek @ S.R. 78
43020	Small Creek @ S.R. 78
43021	Small Creek @ S.R. 78
43022	Small Creek @ S.R. 78
43023	Fichters Creek @ S.R. 78
43024	Fichters Creek @ S.R. 78
43025	Small Creek @ S.R. 78
43027	Small Creek @ S.R. 78
43028	Small Creek @ S.R. 78
43029	Cypress Creek @ S.R. 78
43030	Cypress Creek @ S.R. 78
43031	Cypress Creek @ S.R. 78
43032	Cypress Creek @ Cypress Creek Rd.
43033	Cypress Creek @ Cypress Creek Rd.
43034	Cypress Creek @ Cypress Creek Rd.

***OUTFALL ID    LOCATION***

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43035            Cypress Creek @ Cypress Creek Rd.  
43036            End of English Ln.  
43039            End of Fulia St., Alva  
43040            Ditch off Pearl St.  
43041            Spanish Creek @ S.R. 78  
43042            Spanish Creek @ S.R. 78  
43043            Spanish Creek @ S.R. 78  
43044            Miller's Gulley @ S.R. 78  
43046            Miller's Gulley @ S.R. 78  
43047            Miller's Gulley @ S.R. 78  
43048            County Line Canal @ S.R. 78  
43050            County Line Canal @ S.R. 78  
43059            Canal @ Tuckahoe Rd.  
43061            Bedman Creek @ S.R. 80  
43062            Bedman Creek @ S.R. 80  
43063            Bedma Creek @ S.R. 80  
43064            Bedman Creek @ S.R. 80  
43065            Small Creek @ S.R. 80  
43068            Small Creek @ S.R. 80  
43070            Small Creek @ S.R. 80  
43071            Small Creek @ S.R. 80  
43072            Small Creek @ S.R. 80  
43073            Small Creek @ S.R. 80  
43084            S.R. 80 @ Ditch east of Yoder Alva Farms  
43085            S.R. 80 @ Ditch east of yoder Alva Farms  
43086            S.R. 80 @ Small Creek west of Yoder Farms  
43089            S.R. 80 @ Small Creek west of Yoder Farms  
43090            S.R. 80 @ Small Creek west of Sunset St.  
43091            S.R. 80 @ Small Creek west of Sunset St.  
43092            S.R. 80 @ Small Creek west of Sunset St.

***OUTFALL ID LOCATION***

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43093 S.R. 80 @ Small Creek west of Sunsert St.  
43094 S.R. 80 @ Small Creek east of Snyder  
43095 S.R. 80 @ Small Creek east of Snyder  
43096 S.R. 80 @ Small Creek east of Snyder  
43097 S.R. 80 @ Small Creek east of Snyder  
43105 Open swale , drains from SR-78 through subdivision to river  
43106 Southeast side of Palm Creek- open swale @SR-78  
43107 Norhteast side of Palm Creek-open swale@SR-78  
43108 Northwest side of Palm Creek-open swale @SR-78  
43109 Southwest side of Palm Creek-open swale @SR-78  
43111 culverts going under SR-78 to low area on the south side os 78  
43112 Northeast side of Stroud Creek  
43113 Northwest side of Stroud Creek  
43114 Southwest side of Stroud Creek  
43115 Southeast side of Stroud Creek  
43117 Northeast side of Bayshore Creek at Pritchett Parkway  
43121 Northwest side of Popash Creek at SR-78  
43122 Northeast side of Popash Creek at SR-78  
43123 Southwest side of Popash Creek at SR-78  
43124 Southeast side of Popash Creek at SR-78  
43126 Southwest side of Bayshore Creek at SR-78  
43127 Southeast side of Bayshore Creek at SR-78  
43128 Northwest side of Bayshore Creek at SR-78  
43129 Northeast side of Bayshore Creek at SR78  
43130 Bayshore Creek at SR-78  
43131 NW side of Chapel Branch at Samville Rd. W.  
43132 SW side of Chapel Branch at Samville Rd. W.  
43133 NE side of Chapel Branch at Samville Rd. W.  
43135 NE side Chapel Branch at SR-78  
43137 SW side Chapel Branch at SR-78



***OUTFALL ID LOCATION***

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43138 SE side Chapel Branch at SR-78  
43140 SE side E. branch Daughtrey Creek at SR78  
43141 SW side E. Branch Daughtrey Creek at SR-78  
43142 NW side E. branch Daughtrey Creek at SR-78  
43143 NE side E. Branch Daughtrey Creek at SR-78  
43148 SW side Daughtrey Creek at SR-78  
43158 unnamed canal just west of Baker Canal, canal under SR-78  
43159 unnamed canal just west of Baker Canal, SW side of SR-78  
43160 unnamed canal just west of Baker Canal, SE side of SR-78  
43161 unnamed canal west of Hart Rd. at SR-78, NE side of SR -78  
43162 unnamed canal west of Hart Rd. at SR-78, NW side of SR-78  
43164 unnamed canal west of Hart Rd. SE side of SR-78  
43165 unnamed canal west of Hart Rd. SW side of SR-78  
43174 NE side of OLD US-41 and SR-78  
43175 NW side of old US-41 & SR-78  
43176 Aprox. 70 yds. South of SR-78 on old US-41 east side  
43181 North side of SR-78, across from Wal-Mart, goes under SR-78  
43183 NE side of SR-78 at Yellow Fever Creek  
43185 SW side of SR-78 at Yellow Fever Creek  
43190 SE side of SR-78 Yellow Fever Creek  
43191 SE side of SR-78 at Yellow Fever Creek East Branch  
43192 SW side of SR-78 at Yellow Fever Creek East Branch  
43195 NW side of US-41 at Yellow Fever Creek, East Branch  
43217 Ditch on SE side of bridge; @Tamimi Village over Yellow Fever  
43219 culverts on the west side of yellow Fever Cr. E. Br. South on cr  
43220 NE side of Yellow Fever Cr. East Br. At Littleton Rd.  
43222 NW side of Yellow Fever Cr. East Br. At Littleton Rd.  
43223 NE side of Yellow Fever Cr. at Littleton RD.  
43224 NW side of Yellow Fever Cr. At Littleton Rd.  
43225 SW side of Yellow Fever Creek at Littleton Rd.

***OUTFALL ID LOCATION***

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43229	NE side of Bayline Dr. at Powell Creek
43230	SW side of Bayline Dr. at Powell Cr.
43231	SW side of Bayline Dr. at Powell Creek
43232	SE side of Popash Creek at I-75
43233	SW side of Popash Creek at I-75
43234	NW side of Popash Creek at I-75
43236	I-75 at the Caloosahatchee, SE side
43237	NW side of Popash Creek, at Nalle Grade Road
43238	NE side of Popash Creek at Nalle Grade Road
43239	SW side of popash Creek at Nalle Grade Road
43240	SE side of Popash Creel at Nalle Grade Road
43242	NE side of Daughtrey Creek at Nalle Grade Road
43243	SW side of Daughtrey Creek at Nalle Grade Road
43244	SE side of Daughtrey Creek at Nalle Grade Road
43245	NW side of E. Branch Daughtrey Creek at Rich Road
43246	SW side of E. Br. Daughtrey Creek at Rich Road
43248	NE side of E. Br. Daughtrey Creek at Rich Road
43249	Daughtrey Creek at I-75,NW side
43250	I-75 at Daughtrey Creek NE side
43252	Johnson Eng. #306
43256	Daughtrey Creek @ R.R. tracks just west of I-75 NE side
43257	Daughtrey Creek @ R.R. Tracks west of I-75 SW side
43258	Daughtrey Creek @ RR tracks just west of I-75 SE side Johns
43260	Small bridge connects swale on east side of RR tracks with sw
43274	Brooks Rd. north side; drains FDOT retention area
43275	Brooks Rd.- north side, aprox. 100 yds. East of bridge
43278	Realto Way (west ditch)
43279	Realto Way (east ditch)
43282	SR 80 @ Small Creek between Rialo Way and Mitchell Avenue
43283	SR 80 @ Small Creek between Rialo Way and Mitchell Avenue

***OUTFALL ID LOCATION***

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43287 Open ditch at end of Mitchell Avenue west  
43288 Open ditch at end of Mitchell Avenue east  
43298 Cook Lane north  
43299 Cook Lane south  
43302 NE of Boca Bay Dr & Pilot Point Lane  
43303 east side of Boca Bay Dr due west of Pilot Point Ln culdesac  
43304 west side of E Railroad Ave just south of Damficare St  
43312 Beach seawall just north of 1st St W, metal pipe flush with sea  
43314 Swale just north of 5th St E & Bayou Ave  
43316 North of Jose Gaspar Dr & Treasure Lane  
44001 NE side of SR-78 at Hancock Creek  
44002 NW side of SR-78 at Hancock Creek  
44003 SW side of SR-78 at Hancock Creek  
44004 SE side of SR-78 at Hancock Creek  
44005 East side of New US-41, near Betmar Blvd.  
44006 West side of new US-41, creek flowing to the west, near Betma  
44007 swale on the north side of creek outfall #43200  
44009 roadside swale SW side of US-41, at creek outfall # 43200  
44010 NE side of US-41 at Creek outfall # 43200  
44011 SE side of US-41 at creek outfall # 43200  
44013 SE side of Pondella RD. at Hancock Creek  
44015 NW side of Pondella RD. at Hancock Creek  
44016 Skyline Dr. and Whiteshell Way, River side  
44017 near the intersection of ST. Clair and Markenaw Cir.  
44019 SE side of Hancock Bridge Parkway at Hancock Creek  
44023 Old Bridge Rd. at Caloosahatchee, east side of road  
44027 Outfall dumps into mangroves-to river plus or minus 50' in man  
44038 northside of Brooks Rd.  
44039 Brooks Road ~100 yds east of bridge on north side  
44102 Junction of canal on north side of Royal Tee Country Club with

***OUTFALL ID LOCATION***

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44107	West side of Veterans Extension ~ 400 ft south of SW curve of
44110	West side of Veterans Extension ~950 ft south of SW curve of
44117	East side of Veterans Extension at NW corner of Royal Tee Co
45010	South side of McGregor Bridger at Whiskey Creek
45017	Canal "L" and Ten Mile
45046	Appx
45059	Whiskey Cr. at Broadhurst
45105	Canal H-11 at Whisky Creek.
45106	Near Canal "L"
45109	Canal "L-3" & Canal "L"
45115	NW of Donley Rd. and Canal "L"
45119	E of 1st St. and Canal "L"
45120	N of 2nd St. and Canal "L"
45121	E of 2nd St. and Canal "L"
45122	Canal L at Arden Street
45123	Canal "L" at 3rd Street
45124	Canal "L" at 4th Street
45125	Canal "L" at 4th Street
45126	100 yards east of 5th street & Danley Dr. int
45130	South of Cypress Lake Dr. and Summerlin
45134	South of S. Hermitage Rd., West side of Summerlin
45135	East Summerlin Rd. and Canal "H-2"
45139	South of 45137 (previously 413) into Canal "H-2"
45146	~ 35 yards east of summerlin
45148	South side of Brantley Canal
45156	~ 10 yards E. of service entrance. S. side of B. Canal
45160	@ Cleaveland & brantley Rd.
45163	@ Austin St & Brantley Canal
45168	@ Beacon St & Brantley Canal NE corner
45172	@ Chatham & Brantley canal NE corner

***OUTFALL ID LOCATION***

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45173 @ Chatham & Brantley Canal NE corner  
45177 ~ 350 yds east Of Chatham N. side of Brantley canal  
45179 @ Dartmouth & Brantley Canal NW corner  
45185 @ Exeter and Brantley Canal.  
45220 ~ 1/2 way down River Bay west side  
45228 ~ 20 yds N. of Bain RD & Iona RD E. side  
45244 east side of Munters facility  
45245 east side of Munters facility  
45246 Drains into Canal "L" south side of Munters  
45249 from Metro Pkwy to Ten Mile  
45250 ~ 310 yds north of Crystal Dr E. side of Ten Mile  
45252 North of Daniels south of Crystal. East side of Ten Mile  
45253 Ten Mile Canal at Daniels Parkway and Metro  
45255 Six Mile Slough at Daniels Parkway, north side  
45257 @ Ten Mile & Daniels Pkwy  
45259 Ten Mile north of Six Mile  
45260 Ten Mile Canal, north of Six Mile Parkway  
45261 @ Haige Dr. & Canal "C-5"  
45269 Wiskey Creek Dr. and Sautern Dr.  
45271 North of Crystal Dr. south of Danely  
45301 Canal "L-2" & Canal "L"  
45315 NW corner of Younquist Rd & Chief Ct  
45317 Swale on south side of 15920 Anderson Ln  
45318 SE corner of Anderson Ln & Foxfire Ln  
45319 NE corner of Anderson Ln & Foxfire Ln  
45321 SE corner of Briarcliff Rd & Briarcliff Ln  
45334 North side of 16020 S Pebble Ln  
45340 Ditch on South side of 15180 Briar Ridge Cir  
45341 Swale on south side of 15414 Briar Ridge Cir  
45344 South side of Briarcliff Rd @ very east end

***OUTFALL ID LOCATION***

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45345 ~150 ft sw of Fuel Farm Rd on the south side of Daniels Pkwy  
45353 Culvert ~ 500 ft NE of powerlines on south side of Daniels Pkw  
45354 checkdam ~ 500 ft NE of powerlines on south side of Daniels P  
45355 culvert ~ 1/2 mi NE of powerlines on south side of Daniels Pkw  
45357 checkdam ~1/2 mi SW of 82 on south side of Daniels Pkwy  
45361 large checkdam ~600 ft SW of 82 on north side of Daniels Pkw  
45362 ~1/4 mi SW of 82 on north side of Daniels Pkwy  
45365 Swale ~1/2 mi NE of powerlines on north side of Daniels Pkwy  
45366 ~1/4 mi NE of powerlines on north side of Daniels Pkwy  
45370 east of 2 checkdams ~1/2 mi SW of powerlines on north side o  
45371 west of 2 checkdams ~1/2 mi SW of powerlines on north side o  
46002 Park RD SW side @ Ten Mile  
46007 NE corner of Alico Rd. and Old 41  
46044 West end of Emerald Ave.  
46104 PVC pipe north of Summerling /east of Health Park  
46119 east of FMBWWTP  
46120 ~ 250' West of FMBWWTP  
46145 west of Gladiolus intersction w/ Pine Ridge Bl.  
46146 Pine Ridge Bl across FNGA Proff. Nurseryman  
46149 West of San Carlos Blvd  
46151 East of San Carlos Blvd  
46152 East of San Carlos Blvd  
46156 Kelly Cove Dr. intersection & Summerlin Rd.  
46157 North of Kelly Cove Dr. intersection w/Summerlin Rd.  
46158 North of Kelly Cove Dr. & Summerlin Rd.  
46165 John Morris & Summerlin Rd.  
46167 John Morris & Summerlin Rd.  
46169 McGregor Blvd & Summerlin Rd  
46171 South of Summerlin Rd. West bound across Summerlin Outlet  
46172 South of John Morris & Summerlin Rd.

***OUTFALL ID LOCATION***

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46173 San Carlos Blvd & Summerlin Rd  
46175 East of San Carlos & Summerlin Rd. behind Rib City  
46181 Pine Ridge Rd & Summerlin Rd. SW corner  
46182 Pine Ridge Rd & Summerlin Rd SE corner  
46185 Safety Rd & Summerlin Rd  
46186 Summerlin Rd & IDD Canal  
46187 Summerlin Rd. & IDD Canal C-11  
46191 Summerlin ditch south & Cow Slough  
46192 Summerlin ditch south & Cow Slough  
46197 Winkler & Summerlin Rd.  
46202 Alico Rd. ditch ~100 ft east of Coke entrance  
46204 Underground parallel treatment system @ Benn Hill Griffin & Al  
46207 Parallel treatment ditch ~ 200 ft west of 1st dumptruck entranc  
46213 Ditch at NE corner of Alico Rd & S. Mallard  
46214 Ditch at SE corner of Alico Rd and South Mallard  
46221 NE corner of Corkscrew RD & Burgundy Farm Rd  
46223 SE side of bridge crossing south fork of Estero River on 3 Oak  
46224 NE side of bridge crossing south fork of Estero River on 3 Oak  
46227 Swale @ 3 Oaks Pkwy and south entrance to Winn Dixie  
46234 SE corner of Alico Rd and 3 Oaks Pkwy  
46235 SW corner of Alico Rd and 3 Oaks Pkwy  
46246 In front of Briggs Equipment property on Alico Rd  
46251 West side of Old US 41 @ Ten Mile Canal  
46252 East side of Old US 41 @ Ten Mile Canal  
46255 ~900 ft east of Old US 41 & Thomas Rd  
46260 SW corner of wetland bridge on Old US 41 south of Thomas R  
46261 NW corner of wetland bridge on Old US 41 south of Thomas R  
46270 Canal @ south end of S Pebble Ln  
47017 north side of 7-11 store at BB Rd. & Imperial St.  
47019 swale on the sw side of new 41 bridge & imp. River

***OUTFALL ID LOCATION***

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47020 nw side of new US 41 bridge Imperial River  
47021 ne side of new us 41 bridge & Imperial River-large marsh to the  
47022 end of windon st. at Imperial River  
47023 se side of new us 41 @ bridge to county park on the Imperial R  
47026 on the north side of pennsylvania ave.-just west of garrett stree  
47028 NE-intersection of Kentucky Street & RR crossing on the south  
47029 NW-intersection of Kentucky  
47030 SE-intersection of Kentucky St.  
47031 SW-intersection of Kentucky St  
47032 Intersection of Pennsylvania Ave. & Michigan St.  
47040 Due north of dog track on the north side of BB Road  
47043 oak creeek going under bb road se side  
47049 Under Barefoot lane to Imp. River  
47050 on the west side of last house on richview ct.  
47051 swale on the east side of williams rd.  
47057 Swale system leaving Bonita Rec. Center to Pine Ave. system  
47066  
47070  
47072 bridge over Leitner Creek at e, terry st.  
47074 northwest side of kehl canal at bonita grande  
47075  
47080 tribe to Leitner Creek  
47083 BB Beach Road, swale with wier.  
47086 end of pullen ave. at Imperial River  
47087 end of home ave. at Imperial River  
47088 loc in Oak Creek park  
47089 in Oak Creek mobile home park  
47090 in Oak Creek mobile home park  
47091 in Oak Creek mobile home parl,furtherest east in park  
47097



***OUTFALL ID LOCATION***

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47099 at fpl power lines in the rear (east) side of Imperial bonita estat

47100

47104

47105 Small Devl. Just west of I-75/just north of E.Terry St. Bridge ov

47109 Leitner Creek itself

47111 outfall is on private property at the end of Imperial st. at the Im

47113

47114 Culvert under U.S. 41, carries water from lake on the east side

47115

47117 mw side of bridge over spring Creek at new us 41

47120 outfall from lime tree lake in limetree rv park ne corner of lake

47122 due east of spring Creek elem. School

47123 ne side of power lines at spring Creek

47131 Bay Pointe-west side of road

47139 End of Imperial River Rd., west side

47140 End of Imperial River Rd., east side

47142 Big Bend Dr., west side at end of street

47148 Meadowlark Ln., west side of boat ramp

47154 Imperial River at outfall of Rosemarry Canal(canal on the west

47155 NE side of canal going under old US 41, just south of Chisi Ln

47156 SE side of canal going under old US 41, just south of Chisi Ln

47157 SW side of canal going under old US41, just south of Chisi Ln.

47158 NW side of canal going under old US 41, just south of Chisi Ln.

47159 Between Bonita RV Resort and Bonita St. James Village

47162 South side of Imperial Harbor Blvd. @ east RR track swale

47163 North side of Imperial Harbor Blvd @ east RR track swale

47164 North side of Imperial Harbor Blvd @ west RR track swale

47165 South side of Imperial Harbor Blvd. @ west RR track swale

47172 NE side of canal @ Old US 41 adjacent to Bernwood Comm. Pa

47174 In Brenwood Comm. Park, north side of noth canal, discharge

***OUTFALL ID LOCATION***

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47175 In Bernwood Comm. Park, south side of north canal, discharge  
47176 In Bernwood Comm. Park, north side of south canal, discharg  
47177 In Bernwood Comm. Park, south side of south canal, discharge  
47178 Catch basin going under wall @ Cedar Creek Devl., West side  
47179 Two culverts under RR tracks,  
47180 East side of RR tracks, South side of canal  
47182 East side of RR tracks, North side of canal  
47183 West side of RR tracks, South side of canal  
47184 East side of RR tracks, South side of canal  
47185 West side of RR tracks, North side of canal  
47187 Swale, SW side of culvert (outfall #47187)  
47188 Swale on the NW side of outfall # 47186 (culvert under RR trac  
47189 Swale on the SE side of outfall # 47186 (culvert under RR track  
47190 Swale on the NE side of outfall # 47186 (culvert under RR trac  
47194 Riverwalk outfall, culvert to spreader swale, Bonita Bay  
47195 Wier from slough area to Imperial River, Bonita Bay  
47196 Wier from lake to Imperial River, Bonita Bay  
47197 Wier from slough area to Estero Bay Bonita Bay  
47198 Wier Bonita Bay  
47199 Wier from lake system to swale system to Estero Bay, Bonita  
47200 Wier from lake system to slough system to Estero Bay, Bonita  
47201 Wier from swale system to slough to Estero Bay, Bonita Bay  
47202 Wier from slough to slough to Estero Bay, Bonita Bay  
47203 Wier from slough system to Estero Bay, Bonita Bay  
47204 Wier from lake system to slough to Spring Creek, Bonita Bay  
47205 Wier from slough to slough to Spring Creek, Bonita Bay  
47206 Wier From lake system to slough to Spring Creek, Bonita Bay  
47207 Wier from lake to slough to Spring Creek, Bonita Bay  
47208 Wier from lake to Spring Creek, Bonita Bay  
47209 Wier from lake to slough to Spring Creek, Bonita Bay

***OUTFALL ID LOCATION***

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47214 Corkscrew Rd. @ Three Oaks Pkwy, NW side  
47215 Corkscrew Rd. @ Three Oaks Pkwy, NE side  
47219 Corkscrew Rd. aprox. 200' east of Estero River  
47220 RR tracks @ Estero River, NW side  
47224 RR tracks @ E. Broadway, SW side  
47225 RR tracks @ E. Broadway, NW side  
47227 Swale on the south side of culvert, east side of RR tracks  
47228 Swale on the north side of culvert, east side of RR tracks  
47229 Swale/Creek running to culvert under RR tracks, east of culvert  
47233 Between 4742 & 474 Jackfish St., black pipe thru seawall  
47235 Between 4745 & 4741 Jackfish St., thru seawall  
47247 Boat Ramp on the NW corner of South Seas Blvd. and Kon-Ti  
47248 Lake overflow  
47271 Under ThreeOaks Pkwy, goes into Rookery Pointe  
47275 Under Three Oaks Pkwy, between Country Oaks & Pine Glen  
47277 NW corner of intersection of Koreshan Blvd & Cypress View D  
47279 N. side of Koreshan Blvd., discharge of swale to north  
47282 Swale running from east to RR tracks  
47283 Swale on east side of RR tracks running south from culvert un  
47285 Swale on the west side of RR tracks, south of culvert under tra  
47286 swale on the west side of RR tracks, north of culvert under trac  
47287 Swale going west from culvert under RR tracks  
47288 Swale east of culvrt under RR tracks, near Koreshan Blvd.  
47290 Box culverts under Three Oaks Pkwy @ Rockery Pointe  
47292 W side of Three Oaks Pkwy, S side of swale between Rockery  
47293 Swale running between Country Creek & Rockery Pointe.  
47295 E side of Three Oaks Pkwy, farm field to swale  
47301 Coconut road, from retenion area of Peclan Landing Beach Clu  
47305 Swale on SW side of power line bridge  
47306 NW SIDE OF BRIDGE AT POWER LINE RD-SHORT SWALE

***OUTFALL\_ID LOCATION***

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47314	ADJACENT TO POWER SUB-STATION ON W. BROADWAY
47315	COLLECTS WATER FROM CHARING CROSS CIV. THRU MI
47322	Marriners Cove, drains to river
47326	Sheltering Pines- culvert connecting ponds under road
47333	FROM NORTH INTO OUTFALL #4730A
47334	E side of I-75, ditch from east, fenced opening
47336	E side of I-75, swale going ENE to 47335.
47340	FORT MYERS CAMPGROUND-END OF MICHIGAN AVE

# **Capital Improvement Projects Description**

## Capital Improvement Projects

Key:  
**WQ:** Water Quality Improvements, retention, bioenhancements, habitat restoration  
**FP:** Flood prevention, flowway restoration, hydraulic improvements  
**OM:** On-going maintenance, removing sediments and excess plant materials  
**CS:** Cleaning and Snagging, removing excess sediments and trash, exotic plants  
**FM:** Funding mechanism, planning tools, site monitoring

Project Name	Status	Improvement/Protection				
Ten Mile Canal Filter Marsh	active	WQ				
Gator Slough Channel Restoration	active	WQ, FP				
Briarcliff Channel Weirs	active	OM, CS				
Lakes Park Water Quality Project	active	WQ				
Neighborhood Improvement Program	active	WQ, FP, OM				
SFWMD Drainage Improvements	active	WQ, FP				
Spanish Creek Restoration	active	WQ, FP				
Ten Mile Canal Pump Facility	active	WQ, FP				
Maintenance Dredging	active	OM, CS				
Briarcliff Ditch Filter marsh	active	WQ				
Island Park Filter Marsh	active	WQ				
Three Oaks Parkway Filter marsh	active	WQ				
North Lee County Hydrologic Restoration	active	WQ				
Stroud Creek Restoration	active	WQ, FP				
ELC Creek Restoration	active	WQ				
NW Lee County Surface Water Management	active	WQ, FP				
BMP Study	active	WQ				
Paul Whalen Contract	completed	WQ				

# **Construction Site Inspection Checklist**



# Lee County Natural Resources NPDES

## Construction Site Inspection Form

Date	Time	Project	Acres	DOS#	Inspector
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Pre-Construction Meeting

Initial Inspectio

Field Inspection

Follow Up Inspection

Site Super

NOI Filed with DEP

Company

SWP3 on Site

SWP3 Cert Signed

Current Inspt Log

Comment

Receiving Waters

Project Perimeter	Comments
No Controls <input type="checkbox"/>	<input type="text"/>
Gravel Entrance <input type="checkbox"/>	
Silt Fencing <input type="checkbox"/>	
Straw Bales <input type="checkbox"/>	
Berm <input type="checkbox"/>	
<input type="checkbox"/>	

Retention Structure	Comments
Retention Basin <input type="checkbox"/>	<input type="text"/>
Emergency Overflow <input type="checkbox"/>	
Detention Basin <input type="checkbox"/>	
Ditch <input type="checkbox"/>	
Infiltration Structure <input type="checkbox"/>	
<input type="checkbox"/>	

Stormwater Retained

Stormwater Discharged to MS4

BMP Condition

Inlet / Catch Basin Protection
No Controls <input type="checkbox"/>
Straw Bale <input type="checkbox"/>
Silt Fence <input type="checkbox"/>
Gravel Filter <input type="checkbox"/>
Filter Fabric <input type="checkbox"/>
Turbidity Barrier <input type="checkbox"/>
<input type="text"/>

Land Stabilization
No Stabilization <input type="checkbox"/>
Natural Vegetation <input type="checkbox"/>
Temporary Seeding <input type="checkbox"/>
Permanent Seeding <input type="checkbox"/>
Sodding <input type="checkbox"/>
Mulch <input type="checkbox"/>
<input type="text"/>

Diversion BMPs	Comments
No Controls <input type="checkbox"/>	<input type="text"/>
Hay Bales <input type="checkbox"/>	
Silt Fence <input type="checkbox"/>	
Berm <input type="checkbox"/>	
Swale <input type="checkbox"/>	
<input type="text"/>	

Photos Taken

BMP Condition

Housekeeping





# Lee County Natural Resources NPDES

## Construction Site Inspection Form

Comments

Full Compliance
<input type="checkbox"/>
Partial Compliance
<input type="checkbox"/>
Follow-Up Required
<input type="checkbox"/>

Permit Violation	Code Violation
<input type="checkbox"/>	<input type="checkbox"/>
Referred To:	
ReferredDate/Time	

Area	 
------	------

Strap Number

Action Taken	Notes:
No Action Taken	          
<input type="checkbox"/>	
Verbal Warning	
<input type="checkbox"/>	
Written Warning	
<input type="checkbox"/>	
Citation	
<input type="checkbox"/>	
CaseClosed	
<input type="checkbox"/>	

## **Building Applicant Notification and Material**



LEE COUNTY  
SOUTHWEST FLORIDA

APPLICATION FOR A  
DEVELOPMENT ORDER

Applicant's Name: \_\_\_\_\_ Phone # \_\_\_\_\_

Project Name (maximum 30 characters & spaces): \_\_\_\_\_

Project Area: \_\_\_\_\_ Proposed Impervious Cover: \_\_\_\_\_ Acres

STRAP Number(s): \_\_\_\_\_

Brief description of proposed development project \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

IS THIS PROJECT LOCATED IN THE ESTERO PLANNING COMMUNITY?  Yes\*  No

\*If yes, please provide the meeting summary document and label accordingly.

\*\*\*\*\*

STAFF USE ONLY

Case Number: \_\_\_\_\_ Commission District: \_\_\_\_\_  
Current Zoning: \_\_\_\_\_ Fee Amount: \_\_\_\_\_  
Land Use Classification: \_\_\_\_\_ Intake by: \_\_\_\_\_  
Planning Community: \_\_\_\_\_

\*\*\*\*\*

LEE COUNTY  
COMMUNITY DEVELOPMENT  
P.O. BOX 398 (1500 MONROE STREET)  
FORT MYERS, FLORIDA 33902  
PHONE (239) 479-8585

**PART VIII SUBMITTALS**

COPIES		EXHIBIT	SUBMITTAL DOCUMENT
SUB'D	REQ'D		
	1 & 3		Completed application [Sec. 10-153]
	1 & 3	Part VII; A1 or A2	Applicant's Affidavit of Authorization [Sec. 10-153(1)]
	6	I-A-2	Boundary survey [Sec. 10-154(3)]
	1	I-A-3	Aerial Photograph [Sec. 10-154(9)]
	1 & 1	I-B-1	Sub-area legal description & sketch (if applicable) [Sec. 10-154(1)]
	1 & 1	I-B-2	Sub-area location map (if applicable) [Sec. 10-154(1)]
	1 & 1	II-F	Disclosure of Ownership Interest [Sec. 10-153(2)e.]
	1 & 3	II-G	List of professional consultants [Sec. 10-153(2)f.]
	1	III-A	Title assurance [Sec. 10-154(2)]
	2	III-F	Vegetation Associations (FLUCCS) Map [Sec. 10-154(6)f.]
	1 & 1	III-G	Protected species survey (for large projects) [Sec. 10-154(14)]
	1 & 1	III-H	Protected species habitat management plan (if applicable) [Sec. 10-154(15)]
	1	III-I	Estero Planning Community Summary Document (if applicable) [Sec. 10-7(d) & 34-1042]
	4	IV-A & A-1	Zoning Resolution (IV-A) and Final Plan Approvals (IV-A-1) [Sec. 10-154(5)]
	4	IV-A-2	Special Conditions Resolution(s) [Sec. 10-154(5)]
	1	IV-G	Local Permits (including Tall Structures Permit) affecting property [Sec. 10-153(3)]
	2	IV-B	Proposed Plat & Plat Application Fee (if applicable) [Sec. 10-154(4)]
	1	IV-E	Excess Spoil Removal Plan (if applicable) [Sec. 10-329(c)(4)b.]
	2	VI-A-1	SFWMD, FDEP, CORPS permit(s) (if applicable) [Sec. 10-153(3) & 10-154(22)]
	2	VI-A-2	FDOT Notice of Intent to Issue or Permit (if applicable) [Sec. 10-153(3) & 10-154(22)]
	2	VI-A-3	DEP permit (if applicable) [Sec. 10-153(3) & 10-154(22)]
	2	VI-A-4	HRS permit (if applicable) [Sec. 10-153(3) & 10-154(22)]
	6		Existing Conditions Drawing [Sec. 10-154(6)]
	6		Proposed development plan drawings. [Sec. 10-154(7)]
	3		Proposed exterior lighting plans [Sec. 10-154(7)l.4. & 34-625]
	3		Landscape Plan [Sec. 10-154(7)l. & 10-414]
	2		Traffic Impact Statement [10-154(10)]
	2		Traffic Impact Mitigation plan (if applicable) [Sec. 10-154(11)]
	1		Hazardous materials emergency plan (if applicable) [Sec. 10-154(12)]
	1		Port Facilities permits (if applicable) [Sec. 10-154(13)]
	2		Certificate to Dig; historic preservation reports (if applicable) [Sec. 10-154 (16)]
	2		Historical/archaeological impact assessment (if applicable) [Sec. 10-154(17)]
	3		Exotic vegetation removal plan (if applicable) [Sec. 10-154(18)]
	1		Calculations (including surface water management calculations) & other materials. [Sec. 10-154(7)l.8. (19)]
	2		Fire protection plan (if applicable) [Sec. 10-154(20)]
	2		Emergency preparedness plan (if applicable) [Sec. 10-154(21)]
	2		Operation and maintenance covenants (if applicable) [Sec. 10-154 (23)]
	2		Articles of Incorporation for assignment of maintenance (if applicable) [Sec. 10-154 (24)]
	2		Opinion of probable construction costs [Sec. 10-154(25)]
	2		Assurance of completion of improvements (if applicable) [Sec. 10-154(26)]
	3		Surface Water Pollution Prevention Plan (SWP3) (all developments > 1 acre) [Sec. 14-476(h)]
	2		Impact fee calculation for golf course & recreational vehicle developments [Sec. 2-266 & 267]
	6		Application for Architectural Design Review & elevation plans (if applicable) [Sec. 10-604]
	6		Outdoor Lighting plans [Sec. 34-625]

approved by the director of the division of emergency management must be submitted (or submit the proposed plan for review with the development order application). [Sec. 10-154(21)]

*State permits.* Prior to final approval of a development order, copies of permits issued by the South Florida Water Management District or the Florida Department of Environmental Protection must be submitted. Copies of all other necessary state land development permits must be submitted prior to the commencement of construction work on the site. (See IV-I also) [Sec. 10-154(22)]

*Operation and maintenance covenants.* Where applicable, a copy of the covenants used for the maintenance and operation of the improvements as required by the LDC must be provided, and must include but not be limited to private streets and adjacent drainage, drainage and storm water management systems, utilities, public water and sewage systems, open space, parks, recreation areas and buffers. [Sec. 10-154(23)]

*Articles of incorporation or other legal documents for assignment of maintenance.* The developer must submit a copy of the legal documents creating the legal mechanism to ensure that the drainage system, on-site bikeways, on-site pedestrian ways, roadways and rights-of-way, etc. are continuously maintained. [Sec. 10-154(24)]

*Opinion of probable construction costs.* The estimated cost of installing all streets, drainage systems, water management systems, potable water treatment and distribution systems, sewage collection and treatment systems, park and recreation improvements, landscaping and buffers must be prepared by the developer's consultant, as follows:

- a. For subdivisions, both on-site and off-site systems.
- b. For all other developments, off-site improvements.

The opinion of probable cost must include an estimated date of completion for the work and must be submitted with the application for a development order. [Sec. 10-154(25)]

*Assurance of completion of improvements.* Assurance of completion of the development improvements as specified in subsections a. and b. of this section will be required for all off-site improvements prior to commencing any off-site or on-site development. Assurance of completion of the development improvements for on-site subdivision improvements will be required prior to the acceptance of the subdivision plat. Those on-site subdivision improvements which have been constructed, inspected and approved by the director of development review may be excluded from the requirements of subsections a. and b. of this section. In addition to the assurance of completion for off-site improvements, all subdivisions for single- and two-family residential structures shall provide the assurance of completion of on-site improvements, or the construction of on-site improvements, within one year of the date of issuance of the final development order for that subdivision.

- a. *Surety or cash performance bond.* Security in the form of a surety or cash performance bond shall be posted with the board and made payable to the county in an amount equal to 110 percent of the full cost of installing the required improvements as approved by the county. If the proposed improvement will not be constructed within one year of issuance of the final development order, the amount of the surety or cash performance bond shall be increased by ten percent compounded for each year of the life of the surety or bond. Alternatively, the surety or cash performance bond may be renewed annually at 110 percent of the cost of completing the remaining required improvements as approved by the director of development review. Bonds shall be reviewed and approved as to form by the county attorney's office prior to acceptance.
- b. *Other types of security.* The board may accept letters of credit or escrow account agreements or other forms of security provided that the reasons for not obtaining the bond are stated and the county attorney approves the document. [Sec. 10-154(26)]

*Surface Water Pollution Control Plan (SWP3).* For all development orders for developments of more than one acre a Storm water Pollution Prevention Plan (SWP3) for construction meeting the criteria set forth in section 14-477 must be submitted. At the discretion of the director of development services, an affidavit or certification from a Florida licensed professional engineer may be submitted attesting that the SWP3 for construction has been prepared in accordance with section 14-477 and will be on site and available for review during all phases of construction. [Sec. 14-476(b)]

*Impact Fee Calculations.* No recreational vehicle development order may be issued for any development listed in section 2-266(a) by the county or by any municipality in the county until such fee has been paid. [Sec. 2-267(a)]