



# 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 (<http://www.dep.state.fl.us/water/stormwater/npdes/contacts.htm>). Files larger than 10MB may be placed on the FTP site at: [ftp://ftp.dep.state.fl.us/pub/NPDES\\_Stormwater/](ftp://ftp.dep.state.fl.us/pub/NPDES_Stormwater/). After uploading files, email the MS4 coordinator or NPDES Program Administrator to notify them the report is ready for downloading, or 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 3585  
 2600 Blair Stone Road  
 Tallahassee, Florida 32399-2400

**SECTION I. BACKGROUND INFORMATION**

<b>A.</b>	Permittee Name: Town of Palm Beach Shores		
<b>B.</b>	Permit Name: Palm Beach County MS4		
<b>C.</b>	Permit Number: FLS000018-004		
<b>D.</b>	Annual Report Year: <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 <input checked="" 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 /2018 through 9 /2019		
<b>F.</b>	Name of the Responsible Authority: Alan Welch		
	Title: Public Works Director		
	Mailing Address: 247 Edwards Lane		
	City: Palm Beach Shores	Zip Code: 33404	County: Palm Beach County
	Telephone Number: 561-844-3457		Fax Number: 561- 863-1350
	E-mail Address: awelch@pbstownhall.org		
<b>G.</b>	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Alan Welch		
	Title: Public Works Director		
	Department: Public works		
	Mailing Address: 247 Edwards Lane		
	City: Palm Beach Shores	Zip Code: 33404	County: Palm Beach County
	Telephone Number: 561-844-3457		Fax Number: 561-863-1350
	E-mail Address: awelch@pbstownhall.org		

**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): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
<b>B.</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? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> Not Applicable

**SECTION III. PART V.B. ASSESSMENT PROGRAM**

<p><b>A.</b></p>	<p>Provide a brief statement as to the status of water quality monitoring plan implementation. Status may include sampling frequency changes, monitoring location changes, or sampling waiver conditions.  <i>DEP Note: If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.</i></p> <p>Name and date of the approved plan: Approval of the Town's Assessment Monitoring Plan is May 6, 2019 accordance with the cycle 4 permit.                  Status: The monitoring program is a joint effort by the Palm Beach County Permittees. View the Palm Beach County Joint Annual Report.</p>
<p><b>B.</b></p>	<p>Provide a brief discussion of the monitoring and loading results to date which includes a summary of the water quality monitoring data and / or stormwater pollutant loading changes from the reporting year.  <i>DEP Note: Results must be specific to the permittee's SWMP.</i></p> <p>Requesting a 30-day extension from the last date to submit the Annual Report to provide the Revised Assessment Report. The Towns Contracted Engineering Firm Simmons &amp; White will be assisting with the requested report.</p>
<p><b>C.</b></p>	<p>Attach a monitoring data summary as required by the permit. An analysis of the data discussing changes in water quality and/or stormwater pollutant loading from previous reporting years.  <i>DEP Note: Analysis must be specific to the permittee's SWMP.</i></p> <p>Requesting a 30-day extension from the last date to submit the Annual Report to provide the Revised Assessment Report. The Towns Contracted Engineering Firm Simmons &amp; White will be assisting with the requested report.</p>

**SECTION IV. FISCAL ANALYSIS**

<p><b>A.</b></p>	<p>Total expenditures for the NPDES stormwater management program for the current reporting year: \$1,895.56</p>
<p><b>B.</b></p>	<p>Total budget for the NPDES stormwater management program for the subsequent reporting year: \$68,900</p>
<p><b>C.</b></p>	<p>Did the current reporting year resources decrease from the previous year? Y <input checked="" type="checkbox"/> / N <input type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p> <p>The resource Budget includes Statement of Revenue and Expenditures and Capital Expenditures.</p> <p>The expenditures last year of \$5,046.00 decreased due to the Towns electrical underground utilities project. The capital projects allocated for stormwater enhancement or repairs were placed on hold and carried over due to the conflicted locations with the underground crews and equipment that coincided with the various stormwater system repairs. The stormwater projects will continue following the completion of the underground project that is projected after April 2020.</p>

**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	Required Attachments	Permit Citation	Attachment Number/Title
<input type="checkbox"/>	<input checked="" 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.	Part III.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	A list of the flood control projects that did not include stormwater treatment and an explanation for each of why it did not (if applicable).	Part III.A.4	
<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.	Part V.B.3	Refer to Joint Report and Assessment Report
<input type="checkbox"/>	<input checked="" 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.	Part III.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input checked="" 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.	Part V.A	Refer to Joint Report and Assessment Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. <ul style="list-style-type: none"> <li>• The monitoring plan (with revisions, if applicable).</li> <li>• If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate.</li> </ul>	Part V.B.3 Part V.A.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: TMDL Supplemental SWMP (if applicable).	Part VIII.B.3	

**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): Alan Welch

Title: Public Works Director

Signature:  Date: 3 / 25 / 20

**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				
<b>Part III.A.1</b>	<b>Structural Controls and Stormwater Collection Systems Operation</b>								
	Report the current known inventory.								
	Report the number of inspection and maintenance activities conducted for each applicable 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.								
	<i>Note: Delete structures that are not in your MS4's inventory. The permittee may choose its own unit of measurement for each structural control to be consistent with the unit of measurement in the documentation. Unit options include miles, linear feet, acres, etc.</i>								
	<p><b>Type of Structure</b></p> <p>Dry retention systems Underdrain filter systems Exfiltration trench / French drains (if)</p> <p>Grass treatment swales (miles) Dry detention systems Wet detention systems Detention with filtration systems Alum Injection systems Pollution control boxes pump stations Major outfalls</p> <p>Weirs or other control structures pipes / culverts (miles)</p>	<p>Number of Structures</p> <p>0 0 4 0 0 0 0 0 0 0 0 6 0</p>	<p>Number of Inspections</p> <p>N/A N/A 12 N/A N/A N/A N/A N/A N/A N/A N/A 12 N/A</p>	<p>Percent Inspected</p> <p>N/A N/A 100 N/A N/A N/A N/A N/A N/A N/A N/A 100 N/A</p>	<p>Number of Maintenance Activities</p> <p>N/A N/A 12 N/A N/A N/A N/A N/A N/A N/A N/A 0 N/A</p>	<p>Percent Maintained</p> <p>N/A N/A 100 N/A N/A N/A N/A N/A N/A N/A N/A 100 N/A</p>	<p>Documentation / Record</p> <p>N/A N/A Maintenance Logs N/A N/A N/A N/A N/A N/A N/A N/A Maintenance Logs N/A</p>	<p>Entity Performing the Activity</p> <p>N/A N/A Public Works N/A N/A N/A N/A N/A N/A N/A N/A Public Works N/A</p>	<p>Comments</p> <p>N/A N/A Inspect &amp; Clean 4 Times Annually N/A N/A N/A N/A N/A N/A N/A N/A Maintenance Performed When Required. N/A Contractor provided no video only visual inspection for Lake Drive &amp; Inlet Way It was a Promo Public Works &amp; Contractor When services Are Required. Maintenance Logs 100</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
	Canals Inlets / catch basins / grates	0	N/A	N/A	N/A	N/A	N/A	N/A	Inspection. N/A	
		106	106	50	106	100	Maintenance Logs	Public Works	Approved Budget year 2019-2020 to replace Grates and repair concrete aprons for catch basins. N/A	
	Ditches / conveyance swales (miles)	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Requesting Budget Line Item to fund Stormwater Pipes Inspections with use of cameras every 5 to 8 years.
	<p>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>	<p>All the minimum inspections were met.</p>								

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments																									
Part III.A.1 Summary	<p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p><b>Strengths:</b> Inspections and maintenance are continuing more frequently due to High King Tides and increased construction activity.</p> <p><b>Limitations:</b> Again, no limitations experienced to date for the SWMP protocols.</p> <p><b>SWMP revisions implemented to address limitations:</b> N/A</p>																													
Part III.A.2	<p><b>Areas of New Development and Significant Redevelopment</b></p> <p>Report the number of significant development projects, including new and redevelopment, reviewed and approved by the permittee for post-development stormwater considerations.</p> <table border="1" data-bbox="532 911 597 1822"> <tr> <td>Number of significant development projects reviewed</td> <td>0</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Number of significant development projects approved</td> <td>0</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </table> <p>Provide in the Year 2 Annual Report the summary report of the review activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation.</p> <table border="1" data-bbox="597 911 662 1822"> <tr> <td>Year 2 ONLY: Attach the summary report of the review activity</td> <td>0</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Year 4 ONLY: Attach the follow-up report on plan implementation</td> <td>0</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </table> <p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p><b>Strengths:</b> Inspections and maintenance are continuing more frequently due to High King Tides and increased construction activity.</p> <p><b>Limitations:</b> Again, no limitations experienced to date for the SWMP protocols.</p> <p><b>SWMP revisions implemented to address limitations:</b> N/A</p>	Number of significant development projects reviewed	0	N/A	N/A	N/A	N/A	Number of significant development projects approved	0	N/A	N/A	N/A	N/A	Year 2 ONLY: Attach the summary report of the review activity	0	N/A	N/A	N/A	N/A	Year 4 ONLY: Attach the follow-up report on plan implementation	0	N/A	N/A	N/A	N/A					
Number of significant development projects reviewed	0	N/A	N/A	N/A	N/A																									
Number of significant development projects approved	0	N/A	N/A	N/A	N/A																									
Year 2 ONLY: Attach the summary report of the review activity	0	N/A	N/A	N/A	N/A																									
Year 4 ONLY: Attach the follow-up report on plan implementation	0	N/A	N/A	N/A	N/A																									
Part III.A.2 Summary	<p><b>Roadways</b></p> <p>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.</p> <p><i>Note: If the permittee does not contract activities, delete CONTRACTOR activities.</i></p> <table border="1" data-bbox="662 911 841 1822"> <tr> <td><b>PERMITTEE Litter Control: Frequency of litter collection</b></td> <td>Once Per. week</td> <td>Monthly Reports</td> <td>Public Works</td> <td>Maintenance Performed when Required</td> </tr> <tr> <td><b>PERMITTEE Litter Control: Estimated amount of area maintained (lf)</b></td> <td>1.5 miles</td> <td>Monthly Reports</td> <td>Public works</td> <td>Maintenance Performed when Required</td> </tr> <tr> <td><b>PERMITTEE Litter Control: Estimated amount of litter collected (cy)</b></td> <td>21.4 cu. Yards</td> <td>Monthly Reports</td> <td>Public Works</td> <td>1.0 2.0 cu. YD. Per. Month due to High King Tides &amp; Increased Construction.</td> </tr> <tr> <td><b>CONTRACTOR Litter Control: Frequency of litter collection</b></td> <td>0</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td><b>CONTRACTOR Litter Control: Estimated amount of area maintained (lf)</b></td> <td>0</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </table>	<b>PERMITTEE Litter Control: Frequency of litter collection</b>	Once Per. week	Monthly Reports	Public Works	Maintenance Performed when Required	<b>PERMITTEE Litter Control: Estimated amount of area maintained (lf)</b>	1.5 miles	Monthly Reports	Public works	Maintenance Performed when Required	<b>PERMITTEE Litter Control: Estimated amount of litter collected (cy)</b>	21.4 cu. Yards	Monthly Reports	Public Works	1.0 2.0 cu. YD. Per. Month due to High King Tides & Increased Construction.	<b>CONTRACTOR Litter Control: Frequency of litter collection</b>	0	N/A	N/A	N/A	<b>CONTRACTOR Litter Control: Estimated amount of area maintained (lf)</b>	0	N/A	N/A	N/A				
<b>PERMITTEE Litter Control: Frequency of litter collection</b>	Once Per. week	Monthly Reports	Public Works	Maintenance Performed when Required																										
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<b>CONTRACTOR Litter Control: Frequency of litter collection</b>	0	N/A	N/A	N/A																										
<b>CONTRACTOR Litter Control: Estimated amount of area maintained (lf)</b>	0	N/A	N/A	N/A																										
Part III.A.3																														

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	<b>CONTRACTOR Litter Control: Estimated amount of litter collected (cy)</b>	0	N/A	N/A	N/A
	OPTIONAL: 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. If you do not participate in an Adopt-A-Road program, report "0".				
	<b>Trash Pick-up Events: Total miles cleaned</b>	0	N/A	N/A	N/A
	<b>Trash Pick-up Events: Estimated amount of litter collected (cy)</b>	0	N/A	N/A	N/A
	<b>Adopt-A-Road: Total miles cleaned</b>	0	N/A	N/A	N/A
	<b>Adopt-A-Road: Estimated amount of litter collected (cy)</b>	0	N/A	N/A	N/A
	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 and total phosphorus loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in column F.				
	<b>Frequency of street sweeping</b>	As Required	Weekly Reports	Public Works	More Frequent due to High King Tides & increased construction.
	<b>Estimated quantity of sweeping material collected (cy / tons)</b>	.5	Weekly Reports	Public works	N/A
	<b>Total phosphorous loadings removed (pounds)</b>	4 cu. Yd.	FSA ASMT Tool	Public Works	N/A
	<b>Total nitrogen loadings removed (pounds)</b>	1.2	FSA ASMT Tool	Public Works	In Hand Soil Test Method
	Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.	1	FSA ASMT Tool	Public Works	In Hand Soil Test
	<b>Name of Facility</b>	<b>Number of Inspections</b>			
	<b>Streets Department</b>	0	N/A	N/A	N/A
		0	N/A	N/A	N/A

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments																				
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  <b>Strengths: Inspections and maintenance have occurred more frequently due to High King Tides and increased construction.</b> <b>Limitations: Again, no limitations experienced to date for the SWMP protocols.</b> <b>SWMP revisions implemented to address limitations: None at this time.</b>																								
Part III.A.4	<b>Flood Control Projects</b>  Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not.  Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs.	<table border="1"> <tr> <td data-bbox="633 913 698 976">Flood control projects completed during the reporting period</td> <td data-bbox="633 493 698 703">0</td> <td data-bbox="633 283 698 493">N/A</td> <td data-bbox="633 88 698 283">N/A</td> </tr> <tr> <td data-bbox="698 913 763 976">Flood control projects completed that did <u>not</u> include stormwater treatment</td> <td data-bbox="698 493 763 703">0</td> <td data-bbox="698 283 763 493">N/A</td> <td data-bbox="698 88 763 283">N/A</td> </tr> <tr> <td data-bbox="763 913 828 976">Stormwater retrofit projects planned/under construction</td> <td data-bbox="763 493 828 703">0</td> <td data-bbox="763 283 828 493">N/A</td> <td data-bbox="763 88 828 283">N/A</td> </tr> <tr> <td data-bbox="828 913 893 976">Stormwater retrofit projects completed</td> <td data-bbox="828 493 893 703">0</td> <td data-bbox="828 283 893 493">N/A</td> <td data-bbox="828 88 893 283">N/A</td> </tr> <tr> <td data-bbox="893 913 958 976">If there were projects that did not include stormwater treatment, provide as an attachment a list of the projects and an explanation for each of why it did not.</td> <td data-bbox="893 493 958 703">0</td> <td data-bbox="893 283 958 493">N/A</td> <td data-bbox="893 88 958 283">N/A</td> </tr> </table>	Flood control projects completed during the reporting period	0	N/A	N/A	Flood control projects completed that did <u>not</u> include stormwater treatment	0	N/A	N/A	Stormwater retrofit projects planned/under construction	0	N/A	N/A	Stormwater retrofit projects completed	0	N/A	N/A	If there were projects that did not include stormwater treatment, provide as an attachment a list of the projects and an explanation for each of why it did not.	0	N/A	N/A			
Flood control projects completed during the reporting period	0	N/A	N/A																						
Flood control projects completed that did <u>not</u> include stormwater treatment	0	N/A	N/A																						
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If there were projects that did not include stormwater treatment, provide as an attachment a list of the projects and an explanation for each of why it did not.	0	N/A	N/A																						
Part III.A.4 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  <b>Strengths: N/A</b> <b>Limitations: N/A</b> <b>SWMP revisions implemented to address limitations: N/A</b>																								
Part III.A.5	<b>Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit</b>  Report the applicable facilities and the number of the inspections conducted for each facility.	<table border="1"> <tr> <td data-bbox="982 913 1047 976">Name of Facility</td> <td data-bbox="982 493 1047 703">Number of Inspections</td> <td data-bbox="982 283 1047 493"></td> <td data-bbox="982 88 1047 283"></td> </tr> <tr> <td data-bbox="1047 913 1112 976">None</td> <td data-bbox="1047 493 1112 703">0</td> <td data-bbox="1047 283 1112 493">N/A</td> <td data-bbox="1047 88 1112 283">N/A</td> </tr> <tr> <td data-bbox="1112 913 1177 976">None</td> <td data-bbox="1112 493 1177 703">0</td> <td data-bbox="1112 283 1177 493">N/A</td> <td data-bbox="1112 88 1177 283">N/A</td> </tr> </table>	Name of Facility	Number of Inspections			None	0	N/A	N/A	None	0	N/A	N/A											
Name of Facility	Number of Inspections																								
None	0	N/A	N/A																						
None	0	N/A	N/A																						
Part III.A.5 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  <b>Strengths: N/A</b> <b>Limitations: N/A</b> <b>SWMP revisions implemented to address limitations: N/A</b>																								
Part III.A.6	<b>Pesticides, Herbicides, and Fertilizer Application</b>  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 who have been trained through the Green Industry BMP Program and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed.																								



**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><b>PERSONNEL:</b> FDACS public applicators of pesticides/herbicides  <b>CONTRACTORS:</b> FDACS commercial applicators of pesticides/ herbicides</p> <p><b>PERSONNEL:</b> Green Industry BMP Program training completed  <b>CONTRACTORS:</b> FDACS certified / licensed applicators of fertilizer</p>	<p>0</p> <p>2</p> <p>0</p> <p>1</p>	<p>N/A</p> <p>License on File</p> <p>N/A</p> <p>License on File</p>	<p>N/A</p> <p>Hulett Pest Contr.&amp;Zimmerm an Tree service</p> <p>N/A</p> <p>BrightView Landscaping</p>	<p>N/A</p> <p>Town Buildings &amp; Town Trees</p> <p>N/A</p> <p>Town Property</p>
	<p>Provide a copy of the adopted ordinance with the Year 2 Annual Report. If this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, indicate that in Column F.</p>				
	<p><b>Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance</b></p> <p>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, and the number of Web site visits (if applicable).</p>	<p><input checked="" type="checkbox"/></p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>Public Education and Outreach Program</b></p>				<p>The public outreach and education plan are carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.</p>
	<p><b>Brochures/Flyers/Fact sheets distributed</b></p>	<p>54</p>	<p>Brochures</p>	<p>Town of Palm Beach Shores</p>	<p>Town Hall Display in Lobby</p>
	<p><b>Neighborhood presentations: Number conducted</b></p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>Neighborhood presentations: Number of participants</b></p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>Newspapers &amp; newsletters: Number of articles/notices published</b></p>	<p>2</p>	<p>Newsletter</p>	<p>Town of Palm Beach Shores</p>	<p>N/A</p>
	<p><b>Newsletters: Number of newsletters distributed</b></p>	<p>600</p>	<p>Hard Copies, Town Website</p>	<p>Town of Palm Beach Shores</p>	<p>Postal Service &amp; Electronic media</p>
	<p><b>Public displays (e.g., kiosks, storyboards, posters, etc.)</b></p>	<p>4</p>	<p>Flyers</p>	<p>Town of Palm Beach Shores</p>	<p>Bulletin Boards</p>
	<p><b>Radio or television Public Service Announcements (PSAs)</b></p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>School presentations: Number conducted</b></p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>School presentations: Number of participants</b></p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>Seminars/Workshops: Number conducted</b></p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>Seminars/Workshops: Number of participants</b></p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>Special events: Number conducted</b></p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>Special events: Number of participants</b></p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
	<p><b>Number of visitors to stormwater-related pages</b></p>	<p>0</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</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.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit. <b>Strengths:</b> N/A <b>Limitations:</b> N/A <b>SWMP revisions implemented to address limitations:</b> N/A				
Part III.A.7.a	<b>Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures</b> Report amendments in Year 4. Year 4 ONLY: Attach a report on amendments to applicable legal authority <input type="checkbox"/> 0 N/A N/A N/A				
Part III.A.7.c	<b>Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal</b> Report on the proactive inspection program, including the number of inspections conducted by the permittee, the number of illicit activities found, and the number and type of enforcement actions taken.				
	Proactive inspections for suspected illicit discharges	132	SOP Forms & DEP Regulations	Code Enforcement & Public Works	Routine Inspections Construction Sites with Building Official N/A
	Illicit discharges found during a proactive inspection	0	N/A	N/A	N/A
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0	N/A	N/A	N/A
	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.				
	Reports of suspected illicit discharges received	0	SOP Forms & DEP Regulations	Code Enforcement & Public Works	Routine Inspections Construction Sites with Building Official N/A
	Reactive investigations of reports of suspected illicit discharges etc.	0	N/A	N/A	N/A
	Illicit discharges etc. found during reactive investigation	0	N/A	N/A	N/A
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	N/A	N/A	N/A
	Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.				
	Personnel trained	3	Certificates on File	FSA Training & SFWM & FDEP & Tabletop	Performing Any Additional Training When Available N/A
	Contractors trained	0	N/A	N/A	N/A

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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><b>Illicit Discharges and Improper Disposal — Spill Prevention and Response</b></p> <p>Report on the spill prevention and response activities, including the number of spills addressed.</p> <p><b>Hazardous and non-hazardous material spills responded to</b></p> <p>Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.</p>	0	N/A	N/A	N/A
	<p><b>Personnel trained</b></p>	22	Fire Department	Public Works & Fire Department	Tabletop & Outside Contractor
	<p><b>Contractors trained</b></p>	0	N/A	N/A	N/A
Part III.A.7.e	<p><b>Illicit Discharges and Improper Disposal — Public Reporting</b></p> <p>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, and the number of Web site visits (if applicable).</p>				
	<p><b>Public Education and Outreach Program</b></p> <p><b>Brochures/Flyers/Fact sheets distributed</b> <b>Neighborhood presentations: Number conducted</b></p> <p><b>Neighborhood presentations: Number of participants</b></p> <p><b>Newspapers &amp; newsletters: Number of articles/notices published</b></p> <p><b>Newsletters: Number of newsletters distributed</b></p> <p><b>Public displays (e.g., kiosks, storyboards, posters, etc.)</b></p> <p><b>Radio or television Public Service Announcements (PSAs)</b> <b>School presentations: Number conducted</b> <b>School presentations: Number of participants</b> <b>Seminars/Workshops: Number conducted</b> <b>Seminars/Workshops: Number of participants</b></p>	<p>18</p> <p>2</p> <p>12</p> <p>2</p> <p>600</p> <p>6</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>	<p>Town Hall</p> <p>Public Works &amp; Fire Department</p> <p>Fire department</p> <p>Town Hall</p> <p>Town Hall</p> <p>Town Hall</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>Town Hall</p> <p>Storm Water &amp; Me, PBC Storm Water System Group, PBCSWA, FDEP</p> <p>Public Works &amp; Fire Department</p> <p>Town Hall, Town of Palm Beach Shores</p> <p>Town Hall, Town of Palm Beach shores</p> <p>Town Hall, Town of Palm Beach shores</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>

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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
	<p>Special events: Number conducted</p> <p>Special events: Number of participants</p> <p>Number of visitors to stormwater-related pages</p>	<p>0</p> <p>0</p> <p>0</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p>
<b>Part III.A.7.f</b>	<p><b>Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control</b></p> <p>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, and the number of Web site visits (if applicable).</p>				
	<p><b>Public Education and Outreach Program</b></p> <p>Brochures/Flyers/Fact sheets distributed</p> <p>Neighborhood presentations: Number conducted</p> <p>Neighborhood presentations: Number of participants</p> <p>Newspapers &amp; newsletters: Number of articles/notices published</p> <p>Newsletters: Number of newsletters distributed</p> <p>Public displays (e.g., kiosks, story boards, posters, etc.)</p> <p>Radio or television Public Service Announcements (PSAs)</p> <p>School presentations: Number of participants</p> <p>Seminars/Workshops: Number of participants</p> <p>Seminars/Workshops: Number of participants</p> <p>Special events: Number conducted</p> <p>Special events: Number of participants</p> <p>Storm sewer inlets newly marked/replaced</p> <p>Number of visitors to stormwater-related pages</p>	<p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>The public outreach and education plan are carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.</p>
<b>Part III.A.7.g</b>	<p><b>Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage</b></p> <p>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. Report only the SSOs and inflow / infiltration incidents into the MS4.</p>				
	<p><b>Owner of the sanitary sewer system</b></p> <p>Activity to reduce/eliminate SSOs and I&amp;I: (description)</p> <p>Activity to reduce/eliminate SSOs and I&amp;I: (description)</p> <p>SSO incidents discovered</p> <p>SSO incidents resolved</p> <p>Inflow / infiltration incidents discovered</p> <p>Inflow / infiltration incidents resolved</p>	<p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>City of Riviera Beach</p> <p>City of Riviera Beach</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>
	<p>Town of Palm Beach Shores Pumps to The City of Riviera Beach Facility</p>	<p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>	<p>City of Riviera Beach</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>City of Riviera Beach</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</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.7 Summary	For activities required by Part III.A.7: Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  Strengths: N/A Limitations: N/A SWMP Revisions implemented to address limitations: N/A				
Part III.A.8.a	<b>Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections</b>  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.  Report on the high-risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken.				
	Type of Facility	Number of Facilities	Number of Inspections	Enforcement Actions	
	Operating municipal landfills	0	N/A	N/A	N/A
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	N/A	N/A	N/A
	EPCRA Title III, Section 313 facilities (TRI)	0	N/A	N/A	N/A
	Facilities determined as high risk by the permittee	0	N/A	N/A	N/A
Part III.A.8.b	<b>Industrial and High-Risk Runoff — Monitoring for High Risk Industries</b>  Report the number of high-risk facilities sampled. N/A				
	High risk facilities sampled 0 N/A N/A N/A				
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  Strengths: N/A Limitations: N/A SWMP revisions implemented to address limitations: N/A				
Part III.A.9.a	<b>Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices</b>  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	0	N/A	N/A	N/A
	PERMITTEE SITES: Construction site plans approved	0	N/A	N/A	N/A
	PRIVATE SITES: Construction site plans reviewed	4	Planning & Zoning	Safe Built Inspection	Single Family Homes & Condos
	PRIVATE SITES: Construction site plans approved	4	Planning & Zoning	Safe Built Inspection	Single Family Homes & Condos

**SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE**

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	<p>Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.</p> <p><b>Notified of ERP stormwater permit requirements</b></p> <p>Confirmed ERP coverage</p> <p><b>Notified of CGP stormwater permit requirements</b></p> <p>Confirmed CGP coverage</p>	<p>0</p> <p>0</p> <p>0</p> <p>0</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>Below Threshold</p> <p>N/A</p> <p>Below Threshold</p> <p>N/A</p>
<b>Part III.A.9.b</b>	<b>Construction Site Runoff — Inspection and Enforcement</b>				
	<p>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.</p>				
	<p><b>PERMITTEE SITES: Active construction sites</b></p> <p><b>PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&amp;S and waste control BMPs</b></p> <p><b>PERMITTEE SITES: Percentage of active construction sites inspected</b></p> <p><b>PRIVATE SITES: Active construction sites</b></p> <p><b>PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&amp;S and waste control BMPs</b></p> <p><b>PRIVATE SITES: Percentage of active construction sites inspected</b></p> <p><b>Enforcement Action</b></p>	<p>0</p> <p>0</p> <p>0</p> <p>12</p> <p>12</p> <p>100</p> <p>0</p>	<p>Planning &amp; Zoning</p> <p>Planning &amp; Zoning</p> <p>Planning &amp; Zoning</p> <p>Construction Inspections Reports</p> <p>Construction Inspections Reports</p> <p>Construction Inspections Reports</p> <p>Construction Inspections Reports</p>	<p>Safe Built Inspection</p> <p>Safe Built Inspection</p> <p>Safe Built Inspection</p> <p>Safe Built Inspection</p> <p>Safe Built Inspection</p> <p>Safe Built Inspection</p> <p>N/A</p>	<p>Single Family Homes &amp; Condos</p> <p>Single Family Homes &amp; Condos</p> <p>Single Family Homes &amp; Condos</p> <p>Single Family Homes &amp; Condos</p> <p>Single Family Homes &amp; Condos</p> <p>Single Family Homes &amp; Condos</p> <p>N/A</p>
<b>Part III.A.9.c</b>	<b>Construction Site Runoff — Site Operator Training</b>				
	<p>Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).</p>				
	<b>DEP Certification</b>	<b>Annual Training</b>			
	<b>Permittee construction site inspectors</b>	2	Inspector Certification	Safe Built Inspection & Public Works	N/A

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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
	Permittee construction site plan reviewers	1	1	Building Inspector	Safe Built Inspection	N/A
	Permittee construction site operators	1	1	Building Inspector	Safe Built Inspection	N/A
Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.						
<b>Part III.A.9 Summary</b>						
<b>Strengths:</b> Training when available & Continuing Education.						
<b>Limitations:</b> None						
<b>SWMP revisions implemented to address limitations:</b> None						

**SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable in Year 4)**

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.
A.	0 None currently always under review.
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)
B.	0 None currently always under review.

**SECTION IX. TMDL Status Report**

**YEAR 1** Provide a table summarizing the status of the TMDL process. Include a list of prioritized TMDLs and their monitoring and implementation schedule; and include the identification number of the outfall prioritized for TMDL monitoring.

WBID Number	Segment/ Waterbody/ Basin	Pollutant of Concern	TMDL DEP / EPA	Percent Reduction (WLA)	Priority Rank	Priority Outfall	Monitoring Summary / BPCP Due Date	Supplemental SWMP Due Date
N/A			<input type="checkbox"/> / <input type="checkbox"/>		1		(Year 3 AR)	(Year 4 AR; N/A) if BPCP
			<input type="checkbox"/> / <input type="checkbox"/>					
			<input type="checkbox"/> / <input type="checkbox"/>					

**YEAR 3** and annually thereafter, provide a summary of the estimated load reductions that have occurred for the pollutant(s) of concern being discharged from the MS4 to the TMDL water body during the reporting period and cumulatively since the date the Supplemental SWMP was implemented.

Year 3: Submit a Monitoring data summary or BPCP (if applicable).

Year 4: Submit a Supplemental SWMP (if applicable).

WBID Number	Pollutant of Concern	Monitoring Summary / BPCP Submitted	Supplemental SWMP Submitted	Projected load reductions OR Actual load reductions to date
N/A		(Year 3 AR)	(Year 4 AR; N/A if BPCP)	

**C.** Provide a brief statement as to the status of TMDL implementation according to Part VIII.B of the permit (e.g. status of monitoring to validate VLA):

No discharge to a TMDL WBID at the time of permit issuance.



# TOWN OF PALM BEACH SHORES

## MS4 Permit No. FLS000018-004

### Water Quality Assessment Report FY18-19

The Town of Palm Beach Shores MS4 lies within the Lake Worth Lagoon Watershed. Palm Beach Shores is a small coastal Town; ten blocks north to south and about 2900 feet wide from the Intracoastal Waterway to the Atlantic Ocean which consists primarily of residential properties. Commercial properties are concentrated on Lake Drive and Ocean Avenue, the outer perimeter roads. These roadways: Lake Drive, Ocean Avenue, and Inlet Way are served by separate drainage control structures in the form of catch basins with grates. The Town's 6 major NPDES outfalls serve residential drainage areas and commercial properties that discharge into Lake Worth Lagoon and Palm Beach Inlet. The Town does not have swales, ditches, retention ponds, lakes, or canals to assist with storm water drainage as it was built many decades ago. The Town is using the ambient water quality monitoring data as collected by Palm Beach County Environmental Resource Management (ERM) at the LWL-4 monitoring station near Little Munyon Island in Lake Worth Lagoon. As these MS4 discharges are serving single family residential, retail commercial, and Town facilities, low pollutant loading rates are typical.

### **Water Quality Monitoring**

Palm Beach Shores is bounded by the Atlantic Ocean on the east, Palm Beach Inlet on the south, the Lake Worth Lagoon (Intracoastal Waterway) on the west, and the City of Riviera Beach (for about 2900') on the north. There are 6 stormwater outfall, two directly into the Palm Beach Inlet and the other four into Lake Worth Lagoon all within 3000 feet of the Palm Beach Inlet. During outgoing tides all Palm Beach Shores discharges enter the Atlantic Ocean which is generally nutrient poor. These outgoing tides do not contribute to any Impaired water bodies. During incoming tides and periods of runoff some nutrient could be contributing to the Lake Worth Lagoon, but the dilution factor being adjacent to the Palm Beach Inlet would make any contribution by Palm Beach Shores de minimis.

A map of the PBC monitoring locations is attached for reference. This map also depicts the approximate Town boundaries. Also attached are the results of the monitoring in graphs of TN, TP, and Chlorophyll-a for location LWL-4 which is upstream during outgoing tides and downstream during incoming tides.

The TN at LWL-4 is trending down at a rate of about 14 ppb/yr and is not indicating exceedances. The downward trend is not correlated with direction of flow, but none the less indicates improvements through the 14 years of data.

The TP at LWL-4 is trending down at a rate of about 1 ppb/yr and is not indicating exceedances. The downward trend is not correlated with direction of flow, but none the less indicates improvements through the 14 years of data.

The Chlorophyll-a at LWL-4 is unchanged and is at the criterion of 2.9 but is not indicating an exceedances. The trend is not correlated with direction of flow and indicates no change through the 14 years of data. It appears the lack of a trend in Chlorophyll-a is being caused by other factors than those represented in the aforementioned nutrient data which are trending downward from these sampling points.

## **Pollutant Loading Estimate**

The Town of Palm Beach Shores is relying on the Group Report. The Group developed pollutant loading estimates during the 3<sup>rd</sup> year of this permit cycle, using the SIMPLE protocol. The group provided loadings estimates “by MS4” as listed below for the 6 required water quality parameters. The results as listed below include a 6% reduction in 2018 for public education as allowed by FDEP.

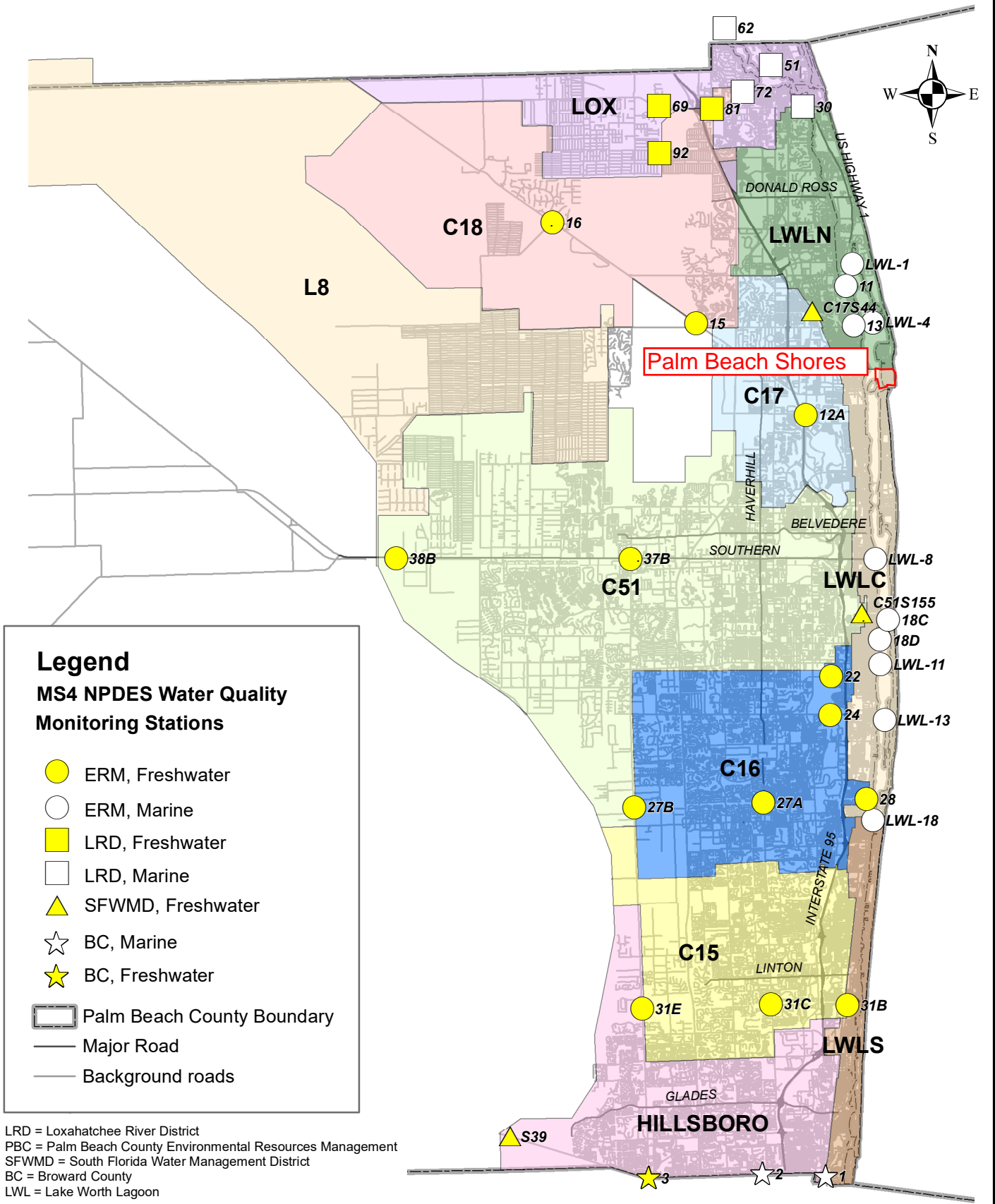
	BOD <sub>5</sub> ~lbs	TSS ~lbs	TP ~lbs	Cu ~lbs	Zn ~lbs	TN ~lbs
2013	4,274	23,832	377	11	48	9770
2018	4020	22,427	354	10	45	9,184

The pollutant loading estimates indicate lower pollutant loadings over past two permit cycles. A majority of the pollutant loadings appears to be from non-MS4 sources (see group report). The pollutant loading estimates indicate that the current stormwater pollution prevention programs in place are generally managing the stormwater runoff in terms of pollutant loadings, and implementation of additional programs is not warranted.

## **Evaluation and Response Plan**

Both of the above analyses indicate reductions in nutrients. The exception is the indicator Chlorophyll-a. Chlorophyll-a is not trending either up or down and both TN and TP are trending down. This indicates the flat Chlorophyll-a is being caused by other factors than those represented in the aforementioned nutrient data.

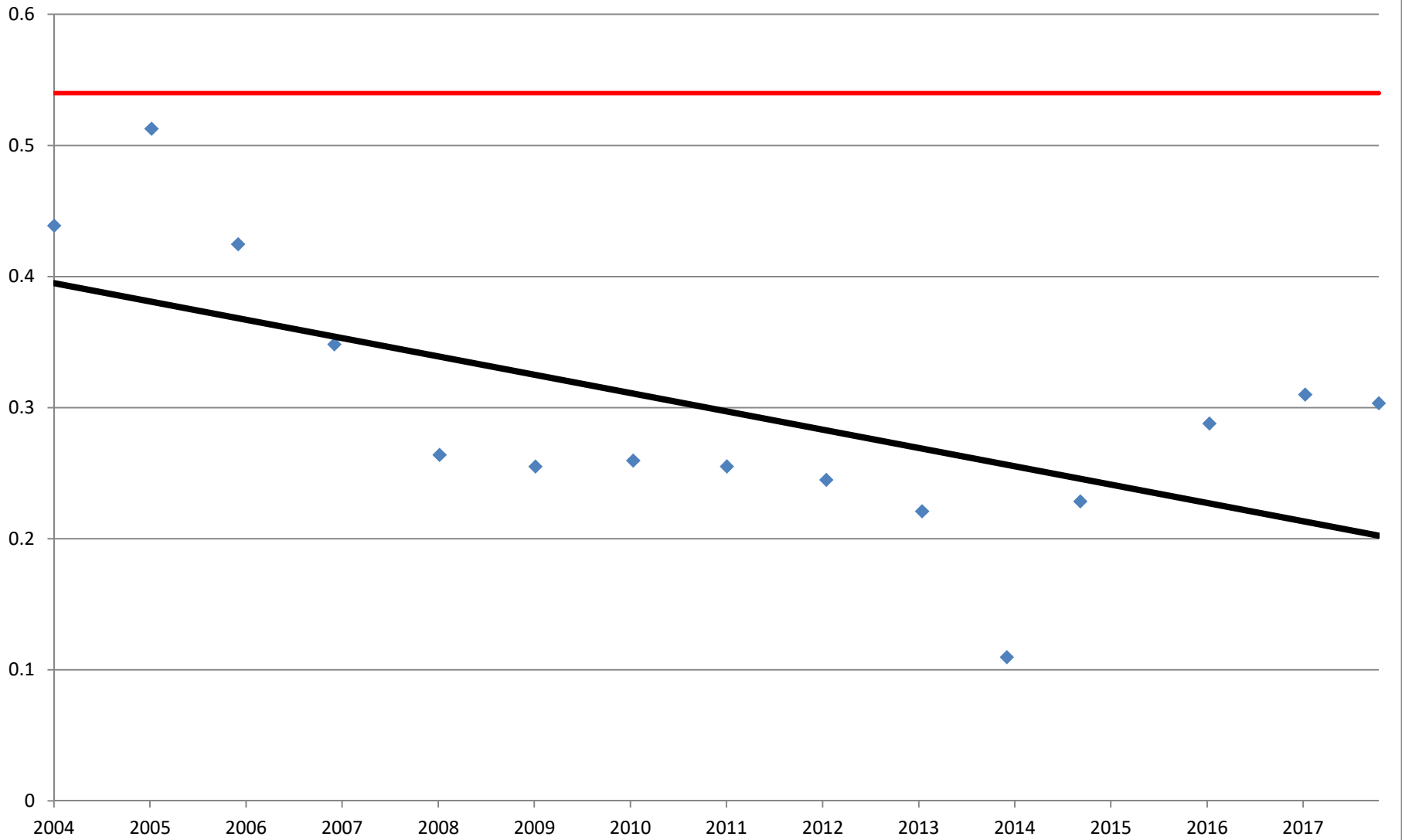
As a result of the above Palm Beach Shores is considered to have an effective stormwater management program. Palm Beach Shores is therefore not targeting any areas for loading reduction/corrective action.



Palm Beach County (Eastern Area) Watershed Boundaries and Water Quality Monitoring Stations Figure 5-1

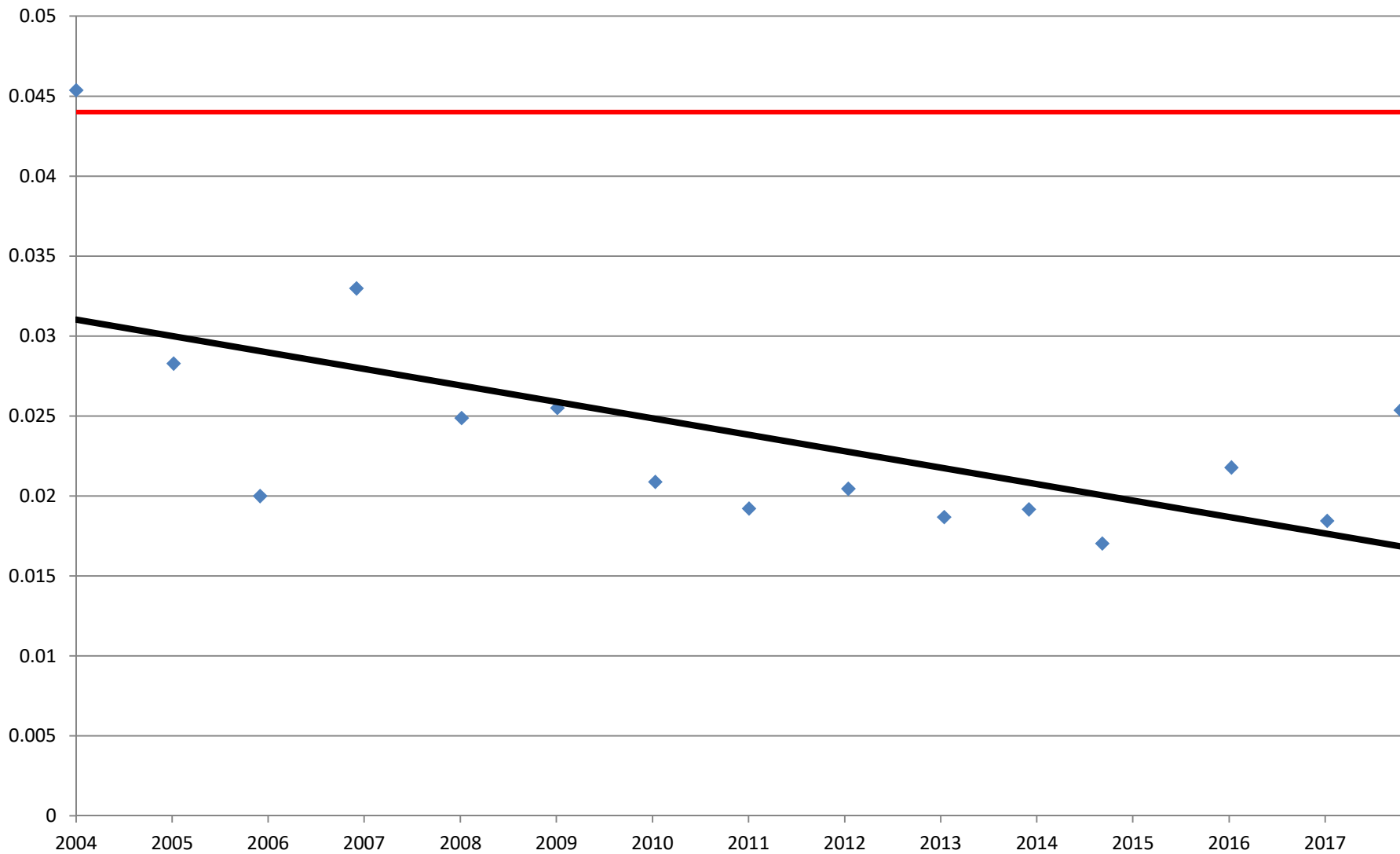
# LWL-4 Nitrogen, Total (Annual Geometric Mean)

◆ TN    — Excedance > 0.54    — TN Trendline



# LWL-4 Phosphorus, Total (Annual Geometric Mean)

◆ TP    — Excedance > 0.044    — TP Trendline



# LWL-4 Chlorophyll-a (corrected) (Annual Geometric Mean)

◆ Chlor-a    — Excedance > 2.9    — Chlor-a Trendline

