



# 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		
<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 type="checkbox"/> Year 3 <input checked="" type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:		
<b>E.</b>	Reporting Time Period (month/year): 10 / 2019 through 9 / 2020		
<b>F.</b>	Name of the Responsible Authority: Mr. Kirk Blouin		
	Title: Town Manager		
	Mailing Address: 360 South County Road		
	City: Palm Beach	Zip Code: 33480	County: Palm Beach
	Telephone Number: 561-838-5400		Fax Number: 561-838-5411
	E-mail Address: <a href="mailto:kblouin@townofpalmbeach.com">kblouin@townofpalmbeach.com</a>		
<b>G.</b>	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Mr. H. Paul Brazil, P.E.		
	Title: Director		
	Department: Public Works		
	Mailing Address: 951 Okeechobee Road, Suite A		
	City: West Palm Beach	Zip Code: 33401	County: Palm Beach
	Telephone Number: 561-838-5440		Fax Number: 561-835-4691
E-mail Address: <a href="mailto:pbrazil@townofpalmbeach.com">pbrazil@townofpalmbeach.com</a>			

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable

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

<b>A.</b>	<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: Current approval occurred with issuance of the Cycle 4 permit on September 8, 2016. Status: The monitoring program is conducted as a group of entities and submitted under the Palm Beach County Joint Annual Report.</p>
<b>B.</b>	<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>Information included within the assessment report.</p>
<b>C.</b>	<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>Information included within the assessment report.</p>

**SECTION IV. FISCAL ANALYSIS**

<b>A.</b>	Total expenditures for the NPDES stormwater management program for the current reporting year: \$ 919,308
<b>B.</b>	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$ 933,767
<b>C.</b>	<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>Decrease in expenditures is due to staffing vacancies.</p> <p>The Program is fully funded.</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
<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 type="checkbox"/>	<input checked="" 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	
<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 checked="" type="checkbox"/>	<input 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	No changes
<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	No Admendments
<input checked="" type="checkbox"/>	<input 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	Refer to Joint Report
<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): Mr. Kirk Blouin

Title: Town Manager

Signature:  Date: 3 / 29 / 2021

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

A.	B.	C.	D.	E.	F.																																																
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments																																																
Part III.A.1	<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 align="center"><b>Type of Structure</b></p> <table border="1"> <tr> <td data-bbox="357 1134 552 1816">Exfiltration trench / French drains (if pump stations Major outfalls</td> <td data-bbox="357 1029 552 1134">1928</td> <td data-bbox="357 924 552 1029">47</td> <td data-bbox="357 819 552 924">100</td> <td data-bbox="357 714 552 819">16</td> <td data-bbox="357 609 552 714">100</td> <td data-bbox="357 504 552 609">GIS/Cartograph</td> <td data-bbox="357 399 552 504">Public Works</td> </tr> <tr> <td data-bbox="552 1134 747 1816">Weirs or other control structures</td> <td data-bbox="552 1029 747 1134">13</td> <td data-bbox="552 924 747 1029">728</td> <td data-bbox="552 819 747 924">100</td> <td data-bbox="552 714 747 819">2</td> <td data-bbox="552 609 747 714">100</td> <td data-bbox="552 504 747 609">GIS/Cartograph</td> <td data-bbox="552 399 747 504">Public Works</td> </tr> <tr> <td data-bbox="747 1134 941 1816">pipes / culverts (miles)</td> <td data-bbox="747 1029 941 1134">13</td> <td data-bbox="747 924 941 1029">52</td> <td data-bbox="747 819 941 924">100</td> <td data-bbox="747 714 941 819">1</td> <td data-bbox="747 609 941 714">100</td> <td data-bbox="747 504 941 609">GIS/Cartograph</td> <td data-bbox="747 399 941 504">Public Works</td> </tr> <tr> <td data-bbox="941 1134 1153 1816">Inlets / catch basins / grates</td> <td data-bbox="941 1029 1153 1134">5</td> <td data-bbox="941 924 1153 1029">1</td> <td data-bbox="941 819 1153 924">100</td> <td data-bbox="941 714 1153 819">0</td> <td data-bbox="941 609 1153 714">100</td> <td data-bbox="941 504 1153 609">GIS/Cartograph</td> <td data-bbox="941 399 1153 504">Public Works</td> </tr> <tr> <td></td> <td data-bbox="1153 1029 1153 1134">41</td> <td data-bbox="1153 924 1153 1029">12</td> <td data-bbox="1153 819 1153 924">100</td> <td data-bbox="1153 714 1153 819">12</td> <td data-bbox="1153 609 1153 714">100</td> <td data-bbox="1153 504 1153 609">GIS/Cartograph</td> <td data-bbox="1153 399 1153 504">Public Works</td> </tr> <tr> <td></td> <td data-bbox="1153 1029 1153 1134">1404</td> <td data-bbox="1153 924 1153 1029">1404</td> <td data-bbox="1153 819 1153 924">100</td> <td data-bbox="1153 714 1153 819">1100</td> <td data-bbox="1153 609 1153 714">100</td> <td data-bbox="1153 504 1153 609">GIS/Cartograph</td> <td data-bbox="1153 399 1153 504">Public Works</td> </tr> </table> <p align="center"> <input type="checkbox"/> </p> <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 align="center">N/A</p> <p align="center">All Requirements Met</p>	Exfiltration trench / French drains (if pump stations Major outfalls	1928	47	100	16	100	GIS/Cartograph	Public Works	Weirs or other control structures	13	728	100	2	100	GIS/Cartograph	Public Works	pipes / culverts (miles)	13	52	100	1	100	GIS/Cartograph	Public Works	Inlets / catch basins / grates	5	1	100	0	100	GIS/Cartograph	Public Works		41	12	100	12	100	GIS/Cartograph	Public Works		1404	1404	100	1100	100	GIS/Cartograph	Public Works				
Exfiltration trench / French drains (if pump stations Major outfalls	1928	47	100	16	100	GIS/Cartograph	Public Works																																														
Weirs or other control structures	13	728	100	2	100	GIS/Cartograph	Public Works																																														
pipes / culverts (miles)	13	52	100	1	100	GIS/Cartograph	Public Works																																														
Inlets / catch basins / grates	5	1	100	0	100	GIS/Cartograph	Public Works																																														
	41	12	100	12	100	GIS/Cartograph	Public Works																																														
	1404	1404	100	1100	100	GIS/Cartograph	Public Works																																														

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

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.1 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  Strengths: None Limitations: None SWMP revisions implemented to address limitations: None				
Part III.A.2	<b>Areas of New Development and Significant Redevelopment</b>  Report the number of significant development projects, including new and redevelopment, reviewed and approved by the permittee for post-development stormwater considerations.		Erosion Ctl Log Erosion Ctl Log	Town staff Town staff	
	Number of significant development projects reviewed Number of significant development projects approved				
	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.	Year 2 ONLY: Attach the summary report of the review activity Year 4 ONLY: Attach the follow-up report on plan implementation	<input type="checkbox"/> <input type="checkbox"/>	Council Minutes Town Staff	No changes
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
Part III.A.2 Summary	<b>Strengths: None</b> <b>Limitations: None</b> <b>SWMP revisions implemented to address limitations: N/A.</b>				
Part III.A.3	<b>Roadways</b>  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.  <i>Note: If the permittee does not contract activities, delete CONTRACTOR activities.</i>				
	PERMITTEE Litter Control: Frequency of litter collection PERMITTEE Litter Control: Estimated amount of area maintained (lf) PERMITTEE Litter Control: Estimated amount of litter collected (cy) CONTRACTOR Litter Control: Frequency of litter collection CONTRACTOR Litter Control: Estimated amount of area maintained (lf) CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	0 0 0 0 0 0	Erosion Ctl Log Erosion Ctl Log Erosion Ctl Log Erosion Ctl Log Erosion Ctl Log Erosion Ctl Log	Town staff Town staff Town staff Town staff Town staff Town staff	Town staff Town staff Town staff Town staff Town staff Town staff
	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".				
	Trash Pick-up Events: Total miles cleaned Trash Pick-up Events: Estimated amount of litter collected (cy) Adopt-A-Road: Total miles cleaned Adopt-A-Road: Estimated amount of litter collected (cy)	0 0 0 0	Erosion Ctl Log Erosion Ctl Log Erosion Ctl Log Erosion Ctl Log	Town staff Town staff Town staff Town staff	Town staff Town staff Town staff Town staff

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

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	<p align="center"><b>Permit Requirement/Quantifiable SWMP Activity</b></p>	<p align="center"><b>Number of Activities Performed</b></p>	<p align="center"><b>Documentation / Record</b></p>	<p align="center"><b>Entity Performing the Activity</b></p>	<p align="center"><b>Comments</b></p>
	<p>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.</p> <p><b>Frequency of street sweeping</b> Total miles swept 7,580 Contractor</p> <p><b>Estimated quantity of sweeping material collected (lbs)</b> Total phosphorous loadings removed (pounds) 313,400 Contractor</p> <p><b>Total nitrogen loadings removed (pounds)</b> 100 FSA Spreadsheet Public Works</p> <p>184 FSA Spreadsheet Public Works</p> <p>Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.</p>				
Part III.A.3 Summary	<p align="center"><b>Name of Facility</b></p> <p><b>Public Works – Vehicle Maintenance – in West Palm Beach</b></p> <p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p><b>Strengths: The Town's street sweeping program is a very effective method of reducing pollutants from being discharged from the MS4.</b></p> <p><b>Limitations: None.</b></p> <p><b>SWMP revisions implemented to address limitations: N/A.</b></p>	<p align="center"><b>Number of Inspections</b></p> <p align="center">1</p>	<p align="center">PW Log</p>	<p align="center">Public Works</p>	
Part III.A.4	<p align="center"><b>Flood Control Projects</b></p> <p>Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. 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.</p> <p>Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs.</p>	<p align="center"><b>Flood control projects completed during the reporting period</b></p> <p align="center"><b>Flood control projects completed that did not include stormwater treatment</b></p> <p align="center"><b>Stormwater retrofit projects planned/under construction</b></p> <p align="center"><b>Stormwater retrofit projects completed</b></p> <p align="center">0 0 0 0</p> <p><input type="checkbox"/></p>	<p align="center">PW Log</p> <p align="center">PW Log</p> <p align="center">PW Log</p> <p align="center">PW Log</p>	<p align="center">Public Works</p> <p align="center">Public Works</p> <p align="center">Public Works</p> <p align="center">Public Works</p>	
Part III.A.4 Summary	<p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p><b>Strengths: In conjunction with inspections and maintenance of structural controls proper operation of the Town of Palm Beach MS4 for Stormwater removal and flood control is ensured.</b></p> <p><b>Limitations: None.</b></p> <p><b>SWMP revisions implemented to address limitations: N/A.</b></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.5	<p><b>Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit</b></p> <p>Report the applicable facilities and the number of the inspections conducted for each facility.</p>				
	<p><b>Name of Facility</b></p>	<p><b>Number of Inspections</b></p>			
	<p>Pinewalk Transfer Station</p>	<p>52</p>	<p>Inspection log</p>	<p>PW staff</p>	<p>Discharges into sanitary sewer system G-1.</p>
Part III.A.5 Summary	<p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p><b>Strengths: Frequency of inspections and stormwater BMPs</b></p> <p><b>Limitations: None.</b></p> <p><b>SWMP revisions implemented to address limitations: N/A.</b></p>				
Part III.A.6	<p><b>Pesticides, Herbicides, and Fertilizer Application</b></p> <p>Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed.</p> <p>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.</p>				
	<p><b>PERSONNEL: FDACS public applicators of pesticides/herbicides</b></p>	<p>0</p>	<p>SOP</p>	<p>Town staff</p>	<p>Not performed by Town</p>
	<p><b>CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides</b></p>	<p>1</p>	<p>FDACS License</p>	<p>Contractor</p>	<p>Fertilizer and Pesticides</p>
	<p><b>PERSONNEL: Green Industry BMP Program training completed</b></p>	<p>0</p>	<p>Contract</p>	<p>Contractor</p>	<p>Not performed by Town</p>
	<p><b>CONTRACTORS: FDACS certified / licensed applicators of fertilizer</b></p>	<p>1</p>	<p>FDACS License</p>	<p>Contractor</p>	<p>Fertilizer and Pesticides</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><input type="checkbox"/></p>			<p>Refer to MS4 website</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><b>Public Education and Outreach Program</b></p>				<p>The public outreach and education plan is 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>

**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: Town contractors are properly trained and licensed in the safe and effective application of pesticides, herbicides, and fertilizers.</b> <b>Limitations: None.</b> <b>SWMP revisions implemented to address limitations: N/A.</b>				
Part III.A.7.a	<b>Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures</b> Report amendments in Year 4.				
Part III.A.7.c	<b>Year 4 ONLY: Attach a report on amendments to applicable legal authority</b> <input type="checkbox"/>		Council minutes	Town staff	No changes
	<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.  <b>Proactive inspections for suspected illicit discharges</b> <b>Illicit discharges found during a proactive inspection</b>  <b>NOV/WL/citation/fines issued for illicit discharges found during proactive inspection</b>  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.	52	Route "D" log book	PW staff	Performed at 13 pump sta
		0	Route "D" log book	PW staff	
		0	Route "D" log book	PW staff	
	<b>Reports of suspected illicit discharges received</b>  <b>Reactive investigations of reports of suspected illicit discharges etc.</b>  <b>Illicit discharges etc. found during reactive investigation</b>  <b>NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation</b>  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.	0	Route "D" log book	PW staff	None reported
		0	Route "D" log book	PW staff	
		0	Route "D" log book	PW staff	
		0	Route "D" log book	PW staff	
		12	Certificates	FSA	FSA1 &2/Erosion Control Inspections
		0	Sign-in sheet	Town staff	Not contracted
Part III.A.7.d	<b>Illicit Discharges and Improper Disposal — Spill Prevention and Response</b> Report on the spill prevention and response activities, including the number of spills addressed.  <b>Hazardous and non-hazardous material spills responded to</b> 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.		2019-2020 log	Fire Department	
		12	Sign-in sheet	Town staff	



**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.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>	0	Sign-in sheet	Town staff	Not contracted
Part III.A.7.f	<p><b>Public Education and Outreach Program</b></p> <p>The public outreach and education plan is 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>				
Part III.A.7.g	<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>				
Part III.A.7.h	<p><b>Public Education and Outreach Program</b></p> <p>The public outreach and education plan is 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>				
Part III.A.7.i	<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>				
Part III.A.7.j	<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>	0	Carteograph	WRD	I&I Modeling Study underway (2020)
Part III.A.7.k	<p>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.</p> <p><b>Strengths: No illicit discharges were discovered during this review period.</b></p> <p><b>Limitations: None.</b></p> <p><b>SWMP Revisions implemented to address limitations: N/A.</b></p>	0	Carteograph	WRD	
Part III.A.8.a	<p><b>Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections</b></p> <p>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.</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																			
	Report on the high-risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken.																							
	<p style="text-align: center;"><b>Type of Facility</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>Number of Facilities</b></td> <td style="width: 30%;"><b>Number of Inspections</b></td> <td style="width: 30%;"><b>Enforcement Actions</b></td> <td style="width: 10%;"></td> </tr> <tr> <td>Operating municipal landfills</td> <td>0</td> <td>0</td> <td></td> </tr> <tr> <td>Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities</td> <td>0</td> <td>0</td> <td></td> </tr> <tr> <td>EPCRA Title III, Section 313 facilities (TRI)</td> <td>6</td> <td>0</td> <td></td> </tr> <tr> <td>Facilities determined as high risk by the permittee</td> <td>0</td> <td>0</td> <td></td> </tr> </table>	<b>Number of Facilities</b>	<b>Number of Inspections</b>	<b>Enforcement Actions</b>		Operating municipal landfills	0	0		Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	0		EPCRA Title III, Section 313 facilities (TRI)	6	0		Facilities determined as high risk by the permittee	0	0				<p>Public Works DEP</p> <p>Public Works EPA</p> <p>Public Works Inspection scheduled in 2020</p> <p>Public Works EPA</p>
<b>Number of Facilities</b>	<b>Number of Inspections</b>	<b>Enforcement Actions</b>																						
Operating municipal landfills	0	0																						
Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	0																						
EPCRA Title III, Section 313 facilities (TRI)	6	0																						
Facilities determined as high risk by the permittee	0	0																						
<b>Part III.A.8.b</b>	<b>Industrial and High-Risk Runoff — Monitoring for High Risk Industries</b>																							
	Report the number of high risk facilities sampled.																							
	High risk facilities sampled	0	Cartograph	Public Works																				
<b>Part III.A.8 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.																							
	<b>Strengths: No high risk facilities are located within the Town of Palm Beach MS4.</b>																							
	<b>Limitations: None.</b>																							
	<b>SWMP revisions implemented to address limitations: N/A.</b>																							
<b>Part III.A.9.a</b>	<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	EDEN	PW Plan Reviewer																				
	PERMITTEE SITES: Construction site plans approved	0	EDEN	PW Plan Reviewer																				
	PRIVATE SITES: Construction site plans reviewed	1	EDEN	PW Plan Reviewer	Only 1 or more or more																			
	PRIVATE SITES: Construction site plans approved	1	EDEN	PW Plan Reviewer																				
	Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.																							
	Notified of ERP stormwater permit requirements	0	Database	PW Plan Reviewer																				
	Confirmed ERP coverage	0	Database	PW Plan Reviewer																				
	Notified of CGP stormwater permit requirements	1	letter	PW Plan Reviewer																				
	Confirmed CGP coverage	1	Dep website	PW Plan Reviewer																				
<b>Part III.A.9.b</b>	<b>Construction Site Runoff — Inspection and Enforcement</b>																							
	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																							

**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
	enforcement actions / referrals taken.  <b>PERMITTEE SITES:</b> Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs <b>PERMITTEE SITES:</b> Percentage of active construction sites inspected <b>PRIVATE SITES:</b> Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs <b>PRIVATE SITES:</b> Percentage of active construction sites inspected Enforcement Action	0 0 100 1 7 100 0	EDEN EDEN EDEN EDEN EDEN EDEN EDEN	PW Plan Reviewer PW Plan Reviewer PW Plan Reviewer PW Plan Reviewer PW Plan Reviewer PW Plan Reviewer PW Plan Reviewer	
<b>Part III.A.9.c</b>  Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).	<b>Construction Site Runoff --- Site Operator Training</b>  DEP Certification Permittee construction site inspectors 10 Permittee construction site plan reviewers Permittee construction site operators  Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  Strengths: Route inspections are performed to ensure SWMP requirements and BMPs are met. Limitations: None. SWMP revisions implemented to address limitations:	Annual Training 26 1 0	Sign-In Sheet Sign-In Sheet Sign-In Sheet	Town staff Town staff Town staff	GC Video GC Video GC Video

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

<b>A.</b>  Permit Citation/ SWMP Element  N/A.	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) --- <b>REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY.</b>  None.
<b>B.</b>  Permit Citation/ SWMP Element  N/A.	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)  None.

**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 4 AR)	(Year 5 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 WLA):

Town of Palm Beach  
MS4 Permit No. FLS000018-004  
PartV.-Monitoring  
Requirements; Sub-part A.-  
Assessment Report Year 4

### Assessment Program Objective

The purpose of this assessment report is to provide information for the Town of Palm Beach to determine the overall effectiveness of its Stormwater Management Program (SWMP) in reducing stormwater pollutant loadings from its Municipal Separate Storm Sewer System (MS4) to receiving water bodies.

### Assessment Program Components

As required by the MS4 Permit, the following parts make up this Assessment Program:

- A. **A Water Quality Monitoring** -The water quality monitoring is intended to identify local sources where urban stormwater is adversely affecting surface water resources.
- B. **A Pollutant Loading Estimate**-The pollutant loading exercise is to estimate the Pollutant Loading from the MS4 contributing area, based on land uses and BMPs.
- C. **An Evaluation and Response** - Based on the results from A. and B. and data will be used to:
  - 1. evaluate trends in pollutants loading from the MS4
  - 2. evaluate trends in water quality {of discharge from the MS4}
  - 3. identify portions of the MS4 to be targeted for loading reduction/corrective action

### Part A - Water Quality Monitoring Program

The Town's MS4 lies within the Lake Worth Lagoon Segments Central and South referred by FDEP as WBIDS 3226F1 and 3226F2 respectively (See Figure 1). WBID 3226F1 was listed as impaired for nutrient (phosphorus and chlorophyll-a) and copper during the last Group 3 Cycle 3 assessment in 2016. WBID 3226F2 was list for copper only. The Town utilizes the Palm Beach County MS4 Groups water quality monitoring data.

### Monitoring Locations

Based on the location of the outfalls of the Town's MS4 and representative stations of the water quality in the LWL, the following ambient water quality monitoring stations to be used in this assessment program are identified in the following table, along with relevant information about each location.

**Ambient Water Quality Monitoring Stations Table**

<b>Monitoring Station Number</b>	<b>Location Description</b>	<b>Northing/ Easting</b>	<b>Type</b>	<b>Watershed WBID</b>
LWL-8 {ERM}	Southern Boulevard Bridge	N856238.64 E968284.93	Marine	LWLC 3226F1
LWL-11 {ERM}	Lake Avenue Bridge	N830580.53 E967926.64	Marine	LWLC 3226F1
LWL-13 {ERM}	Ocean Avenue Bridge	N819086.28 E968516.09	Marine	LWLS 3226F2

The location of the monitoring stations relative to the FDEP identified WBIDs is shown in Figure 1.

Figure 1: Water Quality Monitoring Stations

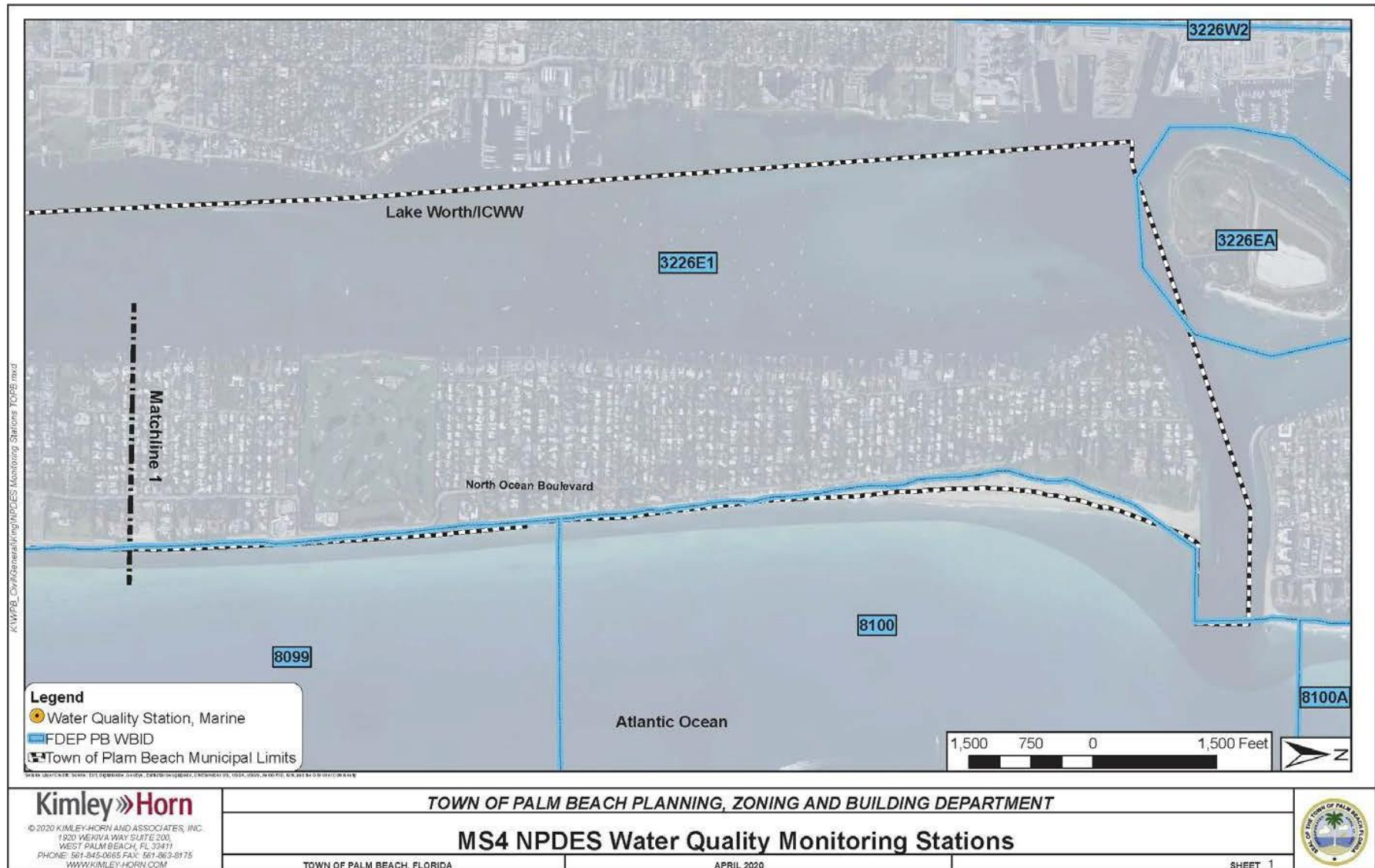
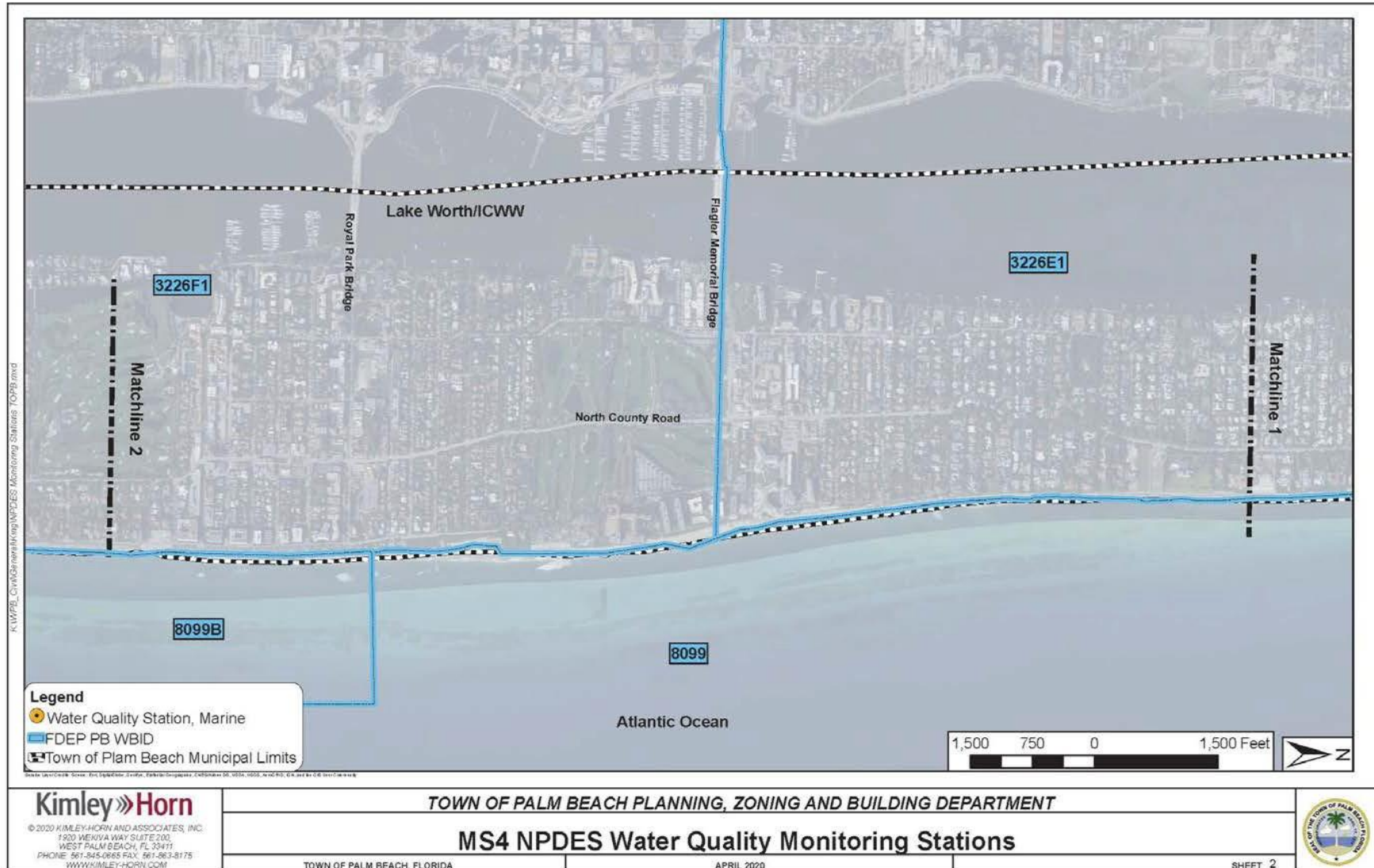




Figure 1: Water Quality Monitoring Stations



**Kimley»Horn**

© 2020 KIMLEY-HORN AND ASSOCIATES, INC.  
1930 MEKISA WAY SUITE 200  
WEST PALM BEACH, FL 33411  
PHONE 561-845-0665 FAX 561-963-8175  
WWW.KIMLEY-HORN.COM

TOWN OF PALM BEACH PLANNING, ZONING AND BUILDING DEPARTMENT

**MS4 NPDES Water Quality Monitoring Stations**

TOWN OF PALM BEACH, FLORIDA

APRIL 2020

SHEET 2





Figure 1: Water Quality Monitoring Stations

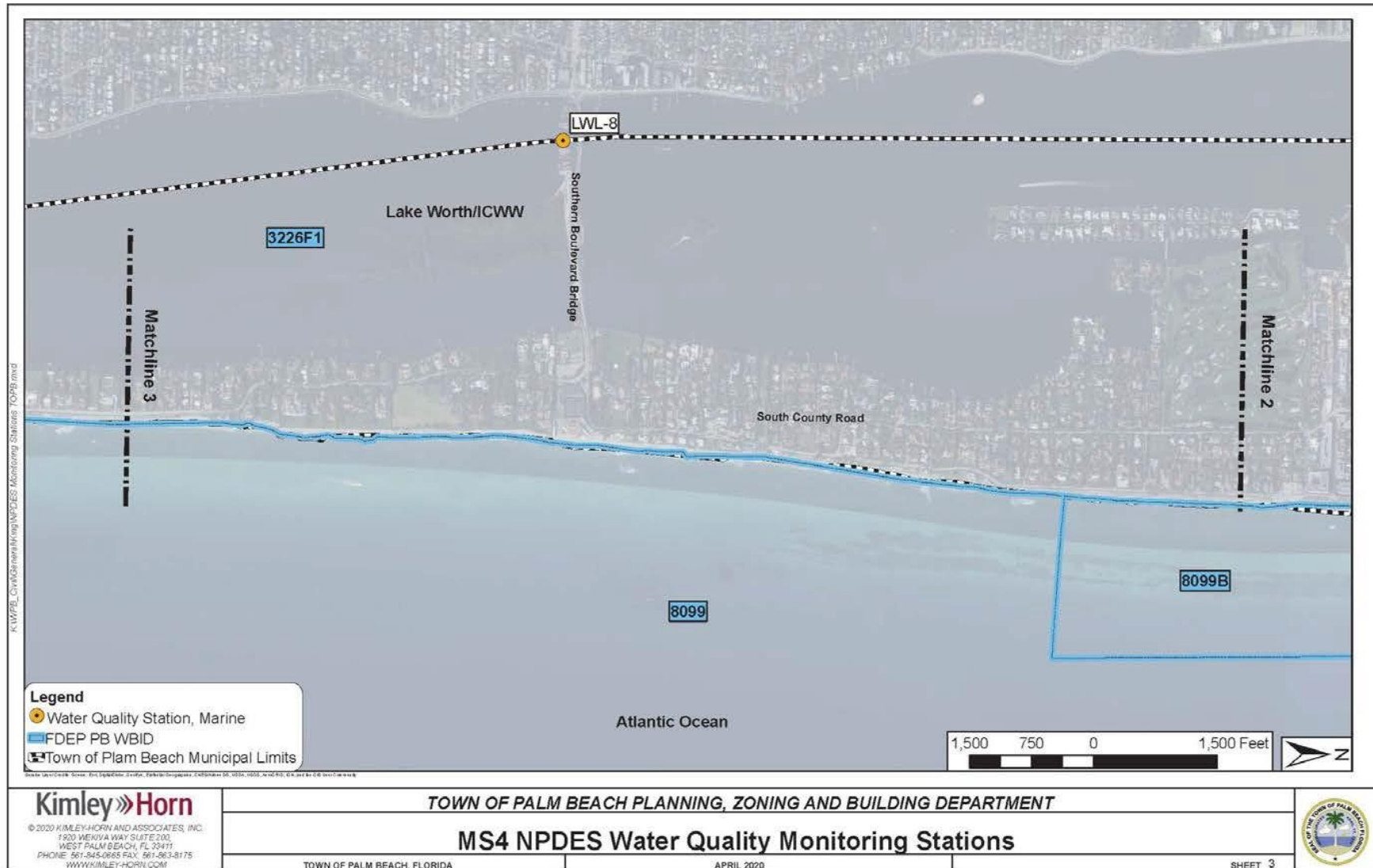


Figure 1: Water Quality Monitoring Stations

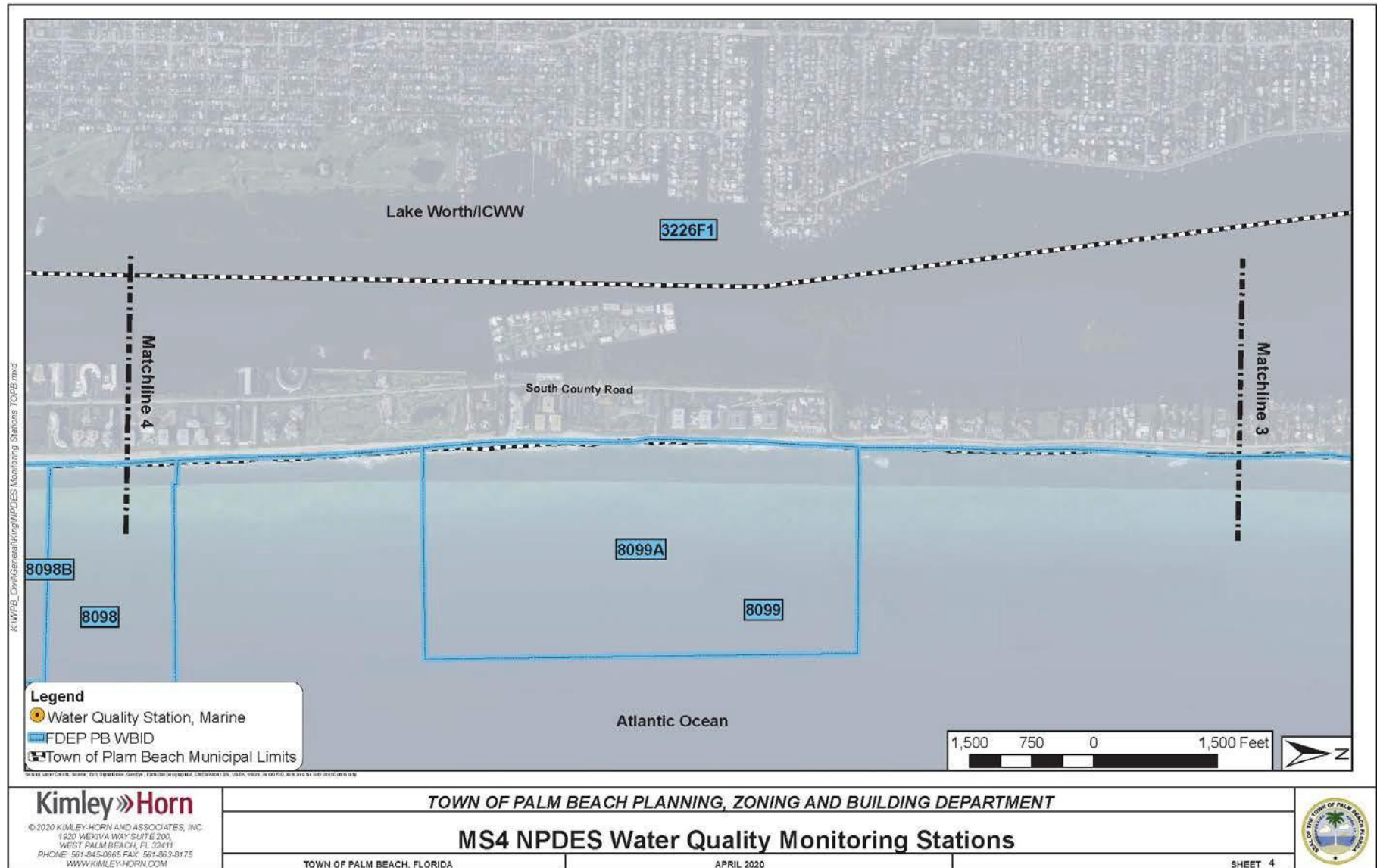
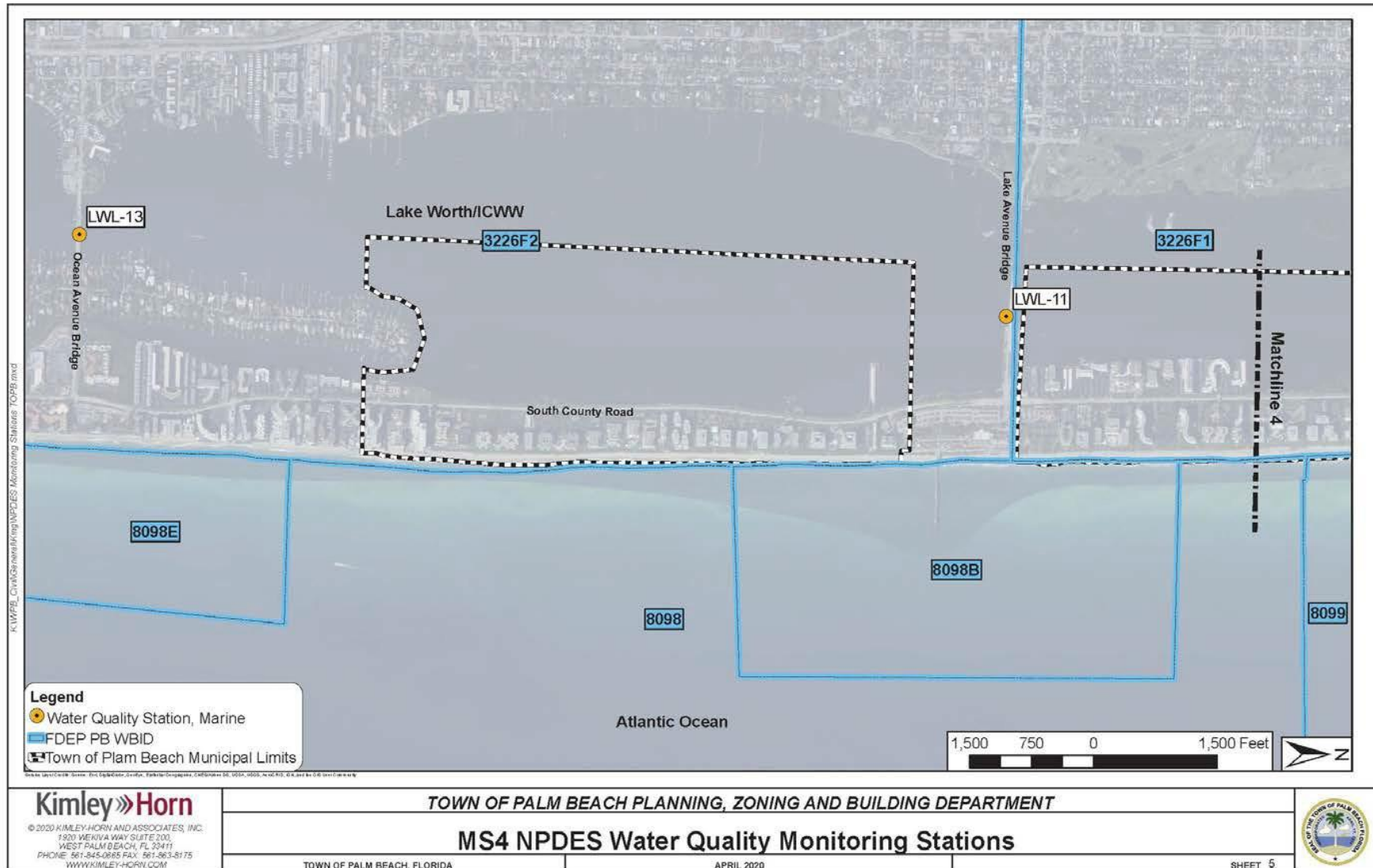


Figure 1: Water Quality Monitoring Stations



**Monitoring Parameters**

The primary interest that FDEP has regarding the stormwater permitting program is related to nutrients and what impacts these loads create by the introduction of nutrients into the receiving water body. The Town of Palm Beach has reviewed nutrient monitoring data results at the above location. The historical trend using the Mann-Kendall Tau Test Method referenced in the Palm Beach County MS4 Cycle 4, year 4, Joint Annual Report was used for evaluating the nutrient levels. Specifically, Total Nitrogen (TN), total Phosphorus (TP) and Chlorophyll-A (a surrogate for nutrient enrichment) are analyzed and evaluated in the table below.

**Trends**

<b>Period of Record</b>	<b>Station</b>	<b>Total Nitrogen</b>	<b>Total Phosphorus</b>	<b>Chlorophyll-a</b>
1999-2020	LWL-8	Decreasing	Decreasing	Significant Increasing
1999-2020	LWL-11	Significant Decreasing	Significant Decreasing	Increasing
2004-2020	LWL-13	Significant Decreasing	Significant Decreasing	Decreasing

All three water quality monitoring sites show a decreasing (improving) trend for the primary nutrients (Total Nitrogen and Total Phosphorus). Chlorophyll-a has an increasing trend for two stations (LWL-8 and LWL-11) which is below the State surface water quality standard. These stations are in the Lake Worth Lagoon Central Segment and receive loading from several MS4 permittees and non-point private entities. Refer to the graphs at the end of this section for a complete historical plot of the data.

## Part B - Pollutant Loading Estimate Plan

The Palm Beach County MS4 Group developed pollutant loading estimates for both Cycle 3 and Cycle 4 cycle, using the SIMPLE model based on input from all the co-permittees. In accordance with the MS4 Permit, pollutant loads were estimated for the following parameters: Biochemical Oxygen Demand (BOD<sub>5</sub>), Copper (Cu), Total Nitrogen (TN), Total Phosphorus (TP), Total Suspended Solids (TSS), Zinc (Zn). Results are contained in the Group’s Joint Cycle 4 Year 3 Report “Summary of Average Annual Pollutant Loading Model Activities” report (2019). As seen in the table below the Town’s loads for all six (6) water quality parameters are decreasing between the Cycle 3 and Cycle 4.

**Lake Worth Lagoon Pollutant Loadings (lbs/year)  
Town of Palm Beach**

<b>Parameter</b>	<b>BOD<sub>5</sub></b>	<b>TSS</b>	<b>TP</b>	<b>CU</b>	<b>ZN</b>	<b>TN</b>
Cycle 3 Loads	35,444	183,401	1,606	91	389	10,964
Cycle 4 Loads	35,452	183,437	1,606	91	398	10,967
Other Reductions:						
Public Education (6%)	2,127	11,006	96	5	23	658
FY19-2- Street Sweeping			100			184
<b>Total Adjusted Cycle 4 Loads</b>	<b>33,325</b>	<b>172,431</b>	<b>1,410</b>	<b>86</b>	<b>363</b>	<b>10,125</b>
Percent Reduction	6%	6%	12%	6%	6%	8%

## Part C – Evaluation Response

The Town of Palm Beach stormwater management programs are effective in reducing nutrient loadings. This is supported by the water quality monitoring program and pollutant loading calculations. Currently there is no need to develop further stormwater management programs.

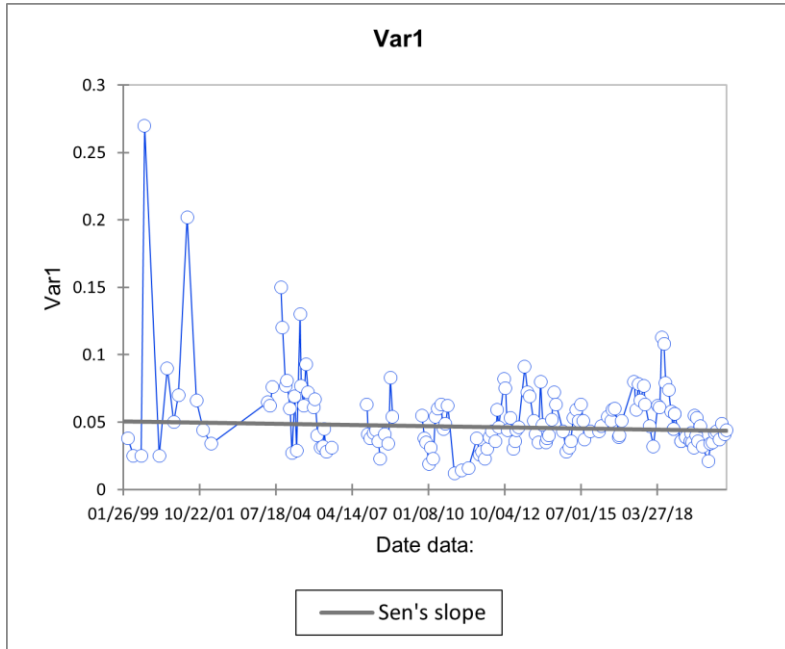


Figure 1: LWL-8-TP Source: Group/Joint Activities - Water Quality Monitoring

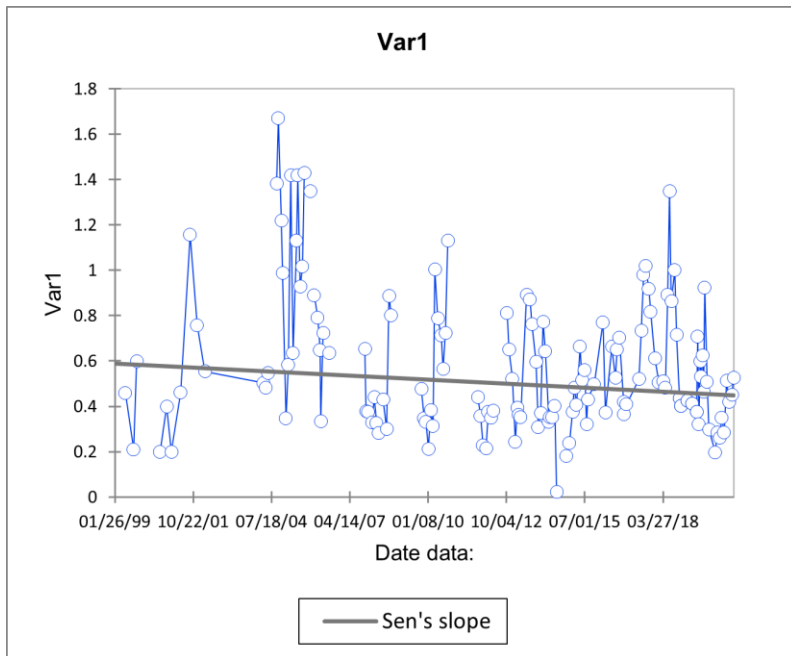


Figure 2: LWL-8-TN Source: Group/Joint Activities - Water Quality Monitoring



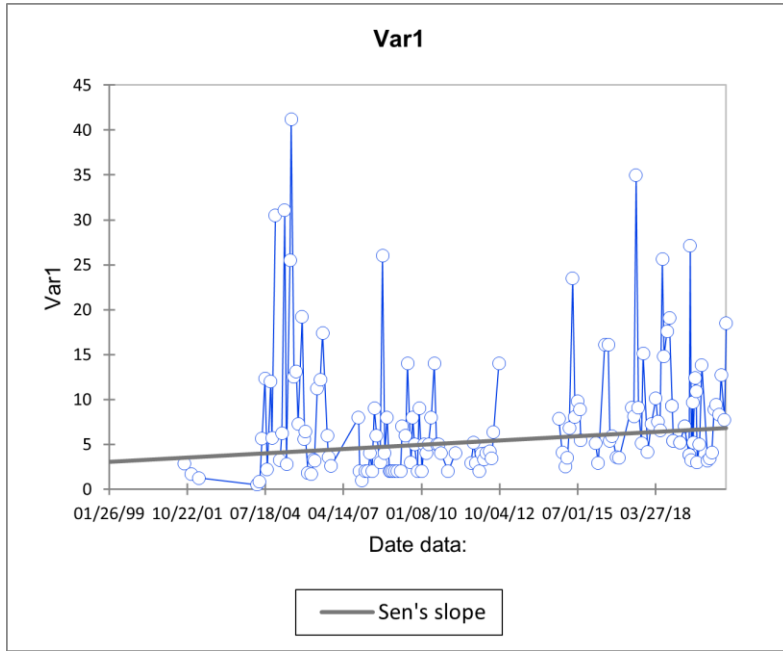


Figure 3: LWL-8- Chlorophyll-A Source: Group/Joint Activities - Water Quality Monitoring

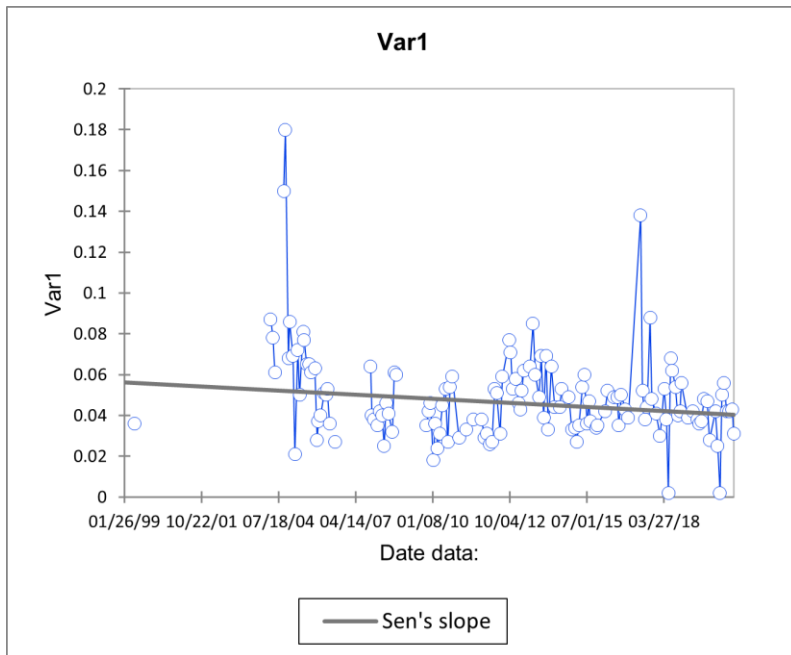


Figure 4: LWL-11-TP Source: Group/Joint Activities - Water Quality Monitoring

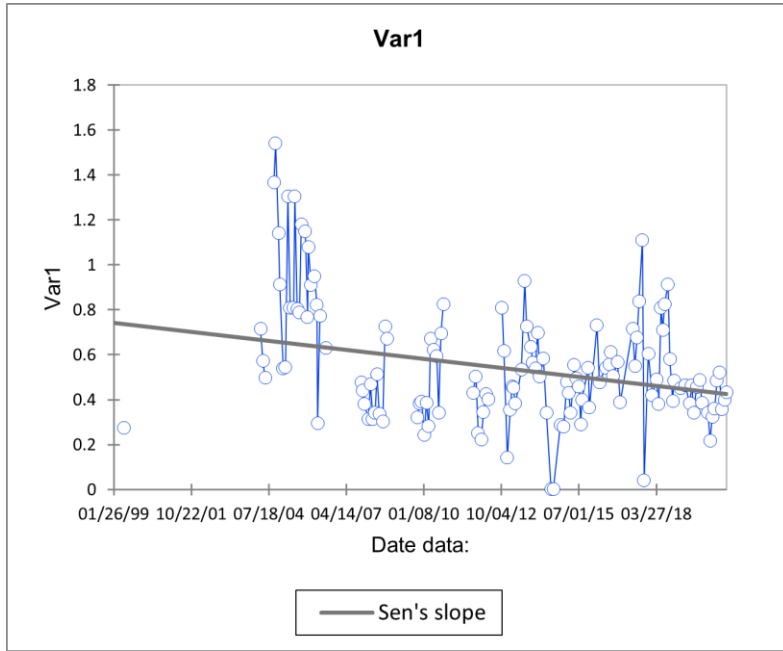


Figure 5: LWL-11-TN Source: Group/Joint Activities - Water Quality Monitoring

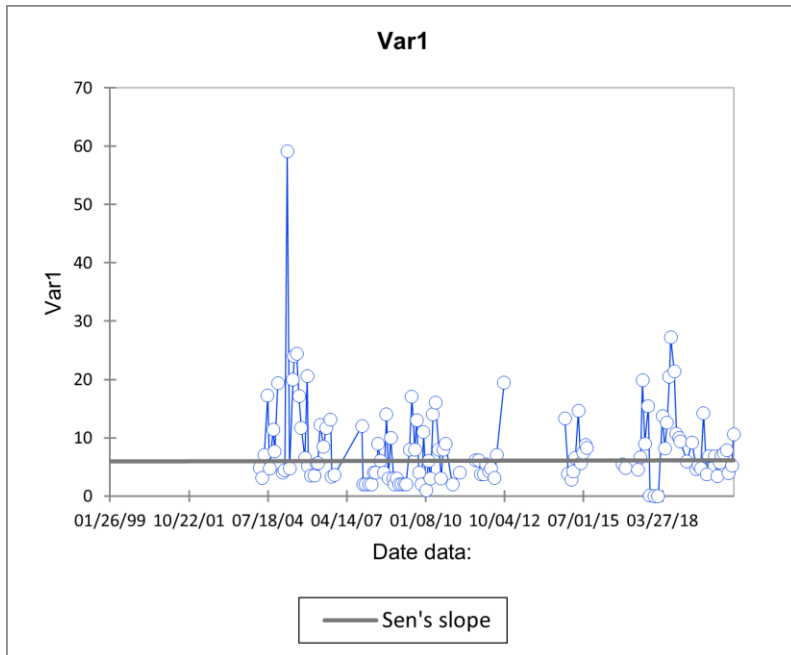


Figure 6: LWL-11- Chlorophyll-A Source: Group/Joint Activities - Water Quality Monitoring



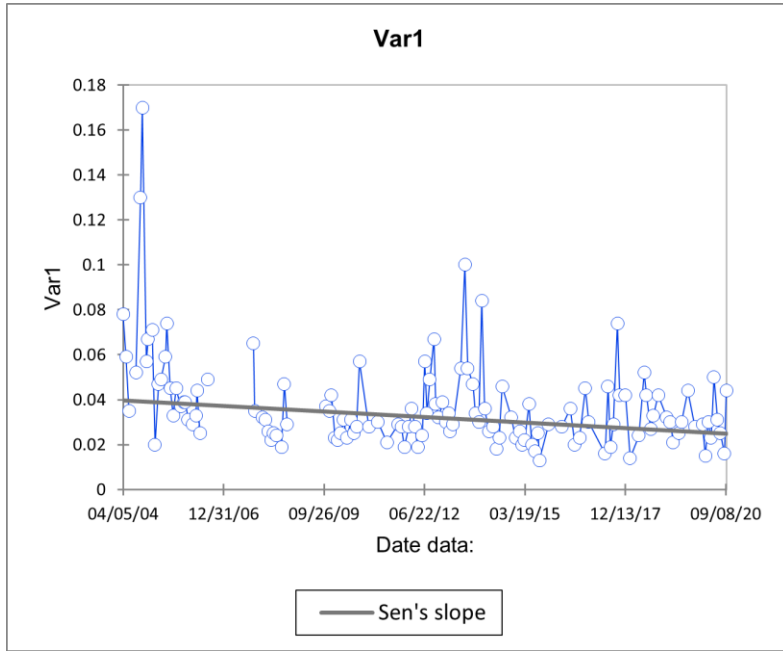


Figure 7: LWL-13-TP Source: Group/Joint Activities - Water Quality Monitoring

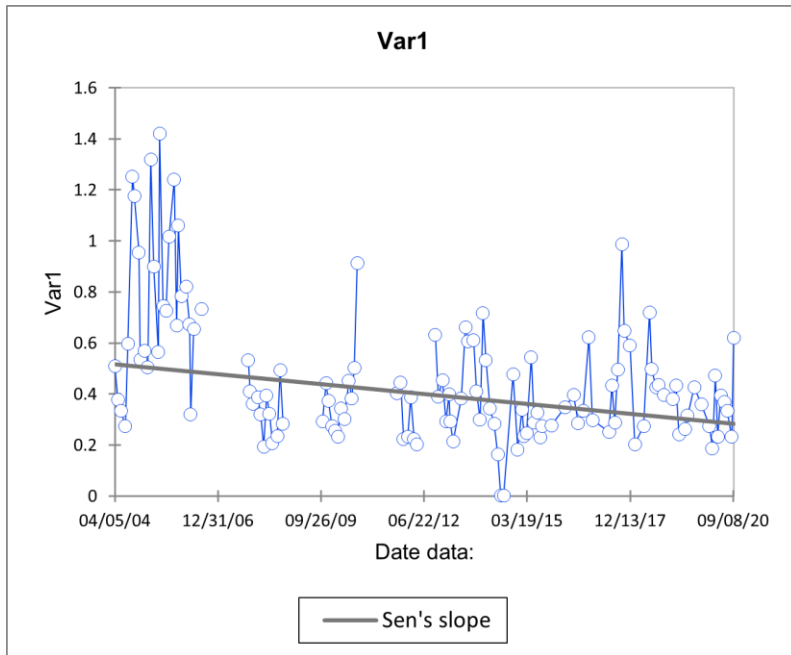


Figure 8: LWL-13-TN Source: Group/Joint Activities - Water Quality Monitoring

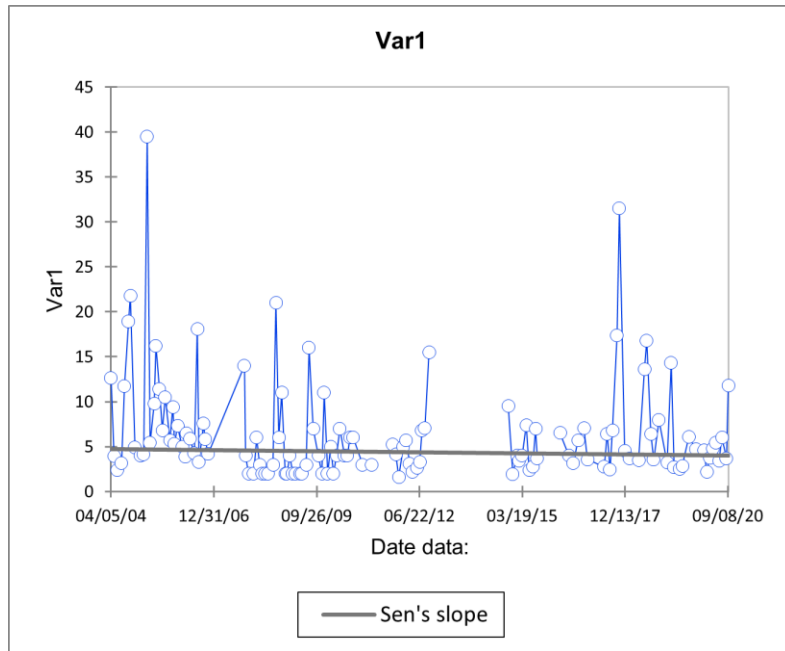


Figure 9: LWL-13-Chlorophyll-A Source: Group/Joint Activities - Water Quality Monitoring