



# 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 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 09 / 2019  |                 |                          |
| <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: 561-838-5440   |                 | Fax Number: 561-838-5411 |
|   | E-mail Address: kblouin@townofpalmbeach.com  |                 |                          |
| <b>G.</b>                                   | Name of the Designated Stormwater Management Program Contact (if different from Section I.F above):<br>Mr. H. Paul Brazil, P.E.  |                 |                          |
|   | Title: Director  |                 |                          |
|   | Department: Public Works   |                 |                          |
|   | Mailing Address: 951 Okeechobee Road   |                 |                          |
|   | City: West Palm Beach  | Zip Code: 33401 | County: Palm Beach       |
|   | Telephone Number: 561-838-5440   |                 | Fax Number: 561-835-4691 |
| E-mail Address: pbrazil@townofpalmbeach.com |  |                 |                          |

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

|           |   |
|-----------|---|
| <b>A.</b> | Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 0<br>(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<br>(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.<br/> <u>DEP Note:</u> If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.</p> <p>Name and date of the approved plan: Current approval occurred with issuance of the Cycle 4 permit on September 8, 2016.<br/>                 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.<br/> <u>DEP Note:</u> Results must be specific to the permittee's SWMP.</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.<br/> <u>DEP Note:</u> Analysis must be specific to the permittee's SWMP.</p> <p>Information included within the assessment report.</p>  |

**SECTION IV. FISCAL ANALYSIS**

|           |  |
|-----------|--|
| <b>A.</b> | <p>Total expenditures for the NPDES stormwater management program for the current reporting year: \$933,767</p>  |
| <b>B.</b> | <p>Total budget for the NPDES stormwater management program for the subsequent reporting year: \$910,734</p>   |
| <b>C.</b> | <p>Did the current reporting year resources decrease from the previous year? Y <input type="checkbox"/> / N <input checked="" type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p> <p>N/A</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 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<br>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): Mr. Kirk Blouin

Title: Town Manager

Signature:  Date: 03 / 27 / 2020

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

| A.  | B.   |                         |                          |                      |  | C.                                   | D.                        | E.                                   | F.                         |
|---|--|-------------------------|--------------------------|----------------------|--|--------------------------------------|---------------------------|--------------------------------------|----------------------------|
| Permit Citation/<br>SWMP Element  | Permit Requirement/Quantifiable SWMP Activity                          |                         |                          |                      |  | Number of<br>Activities<br>Performed | Documentation<br>/ Record | Entity<br>Performing the<br>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> |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| Type of Structure   |  | Number of<br>Structures | Number of<br>Inspections | Percent<br>Inspected | Number of<br>Maintenance<br>Activities | Percent<br>Maintained                |                           |                                      |                            |
| Dry retention systems   |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| Underdrain filter systems   |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| Exfiltration trench / French drains (lf)  |  | 1928                    | 16                       | 100                  | 16                                     | 100                                  | Cartograph                | Public Works                         |                            |
| Grass treatment swales (miles)  |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| Dry detention systems   |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| Wet detention systems   |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| Detention with filtration systems   |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| Alum Injection systems  |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| Pollution control boxes   |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| pump stations   |  | 13                      | 962                      | 100                  | 2                                      | 100                                  | Cartograph                | Public Works                         |                            |
| Major outfalls  |  | 11                      | 52                       | 100                  | 3                                      | 100                                  | GIS                       | Public Works                         |                            |
| Weirs or other control structures   |  | 5                       | 1                        | 100                  | 0                                      | 100                                  | GIS/Cartograph            | Public Works                         |                            |
| pipes / culverts (miles)  |  | 41                      | 12                       | 100                  | 16                                     | 100                                  | GIS/Cartograph            | Public Works                         |                            |
| Canals  |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| Inlets / catch basins / grates  |  | 1404                    | 1404                     | 100                  | 1116                                   | 100                                  | GIS/Cartograph            | Public Works                         |                            |
| Ditches / conveyance swales (miles)   |  |                         |                          |                      |  |                                      |                           |                                      |                            |
| <p style="text-align: center;">☐</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>                                       |  | N/A                     |                          |                      |  |                                      |                           |                                      | All<br>Requirements<br>Met |

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

| A.   | B.   | C.                                   | D.                        | E.                                   | F.       |
|--|--|--------------------------------------|---------------------------|--------------------------------------|----------|
| Permit Citation/<br>SWMP Element                               | Permit Requirement/Quantifiable SWMP Activity  | Number of<br>Activities<br>Performed | Documentation<br>/ Record | Entity<br>Performing the<br>Activity | Comments |
| Part III.A.1<br>Summary  | Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.   |                                      |                           |                                      |          |
|  | <b>Strengths: Four (4) storm water catch basins were grouted and sealed.</b>   |                                      |                           |                                      |          |
|  | <b>Limitations: None</b>   |                                      |                           |                                      |          |
|  | <b>SWMP revisions implemented to address limitations: None</b>   |                                      |                           |                                      |          |
| 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.   |                                      |                           |                                      |          |
|  | <b>Number of significant development projects reviewed</b>   | 1                                    | Erosion Ctl log           | Town staff                           |          |
|  | <b>Number of significant development projects approved</b>   | 0                                    | N/A                       | N/A                                  |          |
|  | 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.  |                                      |                           |                                      |          |
|  | <b>Year 2 ONLY: Attach the summary report of the review activity</b>   | <input type="checkbox"/>             |                           |                                      |          |
|  | <b>Year 4 ONLY: Attach the follow-up report on plan implementation</b>   | <input type="checkbox"/>             |                           |                                      |          |
| Part III.A.2<br>Summary  | Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.   |                                      |                           |                                      |          |
|  | <b>Strengths: Redevelopment activities within the Town of Palm Beach consists primarily of the demolition and reconstruction of individual homes. The Town of Palm Beach adopted measures for the control of erosion during redevelopment and the onsite retention of portions of stormwater runoff prior to discharge from the MS4.</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>  |                                      |                           |                                      |          |
|  | <b>PERMITTEE Litter Control: Frequency of litter collection</b>  | 0                                    |                           |                                      |          |
|  | <b>PERMITTEE Litter Control: Estimated amount of area maintained (lf)</b>  | 0                                    |                           |                                      |          |
|  | <b>PERMITTEE Litter Control: Estimated amount of litter collected (cy)</b>   | 0                                    |                           |                                      |          |
|  | <b>CONTRACTOR Litter Control: Frequency of litter collection</b>   | 0                                    |                           |                                      |          |
|  | <b>CONTRACTOR Litter Control: Estimated amount of area maintained (lf)</b>   | 0                                    |                           |                                      |          |
|  | <b>CONTRACTOR Litter Control: Estimated amount of litter collected (cy)</b>  | 0                                    |                           |                                      |          |
|  | <b>OPTIONAL:</b> 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                                    |                           |                                      |          |
|  | <b>Trash Pick-up Events: Estimated amount of litter collected (cy)</b>   | 0                                    |                           |                                      |          |
| <b>Adopt-A-Road: Total miles cleaned</b>                       | 0  |                                      |                           |                                      |          |
| <b>Adopt-A-Road: Estimated amount of litter collected (cy)</b> | 0  |                                      |                           |                                      |          |

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

| A.                               | B.  | C.                                   | D.                        | E.                                   | F.         |
|----------------------------------|---|--------------------------------------|---------------------------|--------------------------------------|------------|
| Permit Citation/<br>SWMP Element | Permit Requirement/Quantifiable SWMP Activity   | Number of<br>Activities<br>Performed | Documentation<br>/ Record | Entity<br>Performing the<br>Activity | Comments   |
|                                  | 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>   | Varies per route                     | Contract                  | Contractor                           |            |
|                                  | <b>Total miles swept</b>  | 8600                                 | Contract                  | Contractor                           |            |
|                                  | <b>Estimated quantity of sweeping material collected (lbs)</b>  | 398,300                              | Sweeping log              | Contractor                           |            |
|                                  | <b>Total phosphorous loadings removed (pounds)</b>  | 144                                  | FSA<br>Spreadsheet        | FSA<br>Spreadsheet                   | Wet Weight |
|                                  | <b>Total nitrogen loadings removed (pounds)</b>   | 224                                  | FSA<br>Spreadsheet        | FSA<br>Spreadsheet                   | Wet Weight |
|                                  | Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.  |                                      |                           |                                      |            |
|                                  | <b>Name of Facility</b>   | <b>Number of<br/>Inspections</b>     |                           |                                      |            |
|                                  | <b>Public Works – Vehicle Maintenance – in West Palm Beach</b>  | 12                                   | PW Log                    | Public Works                         |            |
| <b>Part III.A.3<br/>Summary</b>  | Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  |                                      |                           |                                      |            |
|                                  | <b>Strengths: The Town's street sweeping program is a very effective method of reducing pollutants from being discharged from the MS4.</b>  |                                      |                           |                                      |            |
|                                  | <b>Limitations: None.</b>   |                                      |                           |                                      |            |
|                                  | <b>SWMP revisions implemented to address limitations: N/A</b>   |                                      |                           |                                      |            |
| <b>Part III.A.4</b>              | <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.   |                                      |                           |                                      |            |
|                                  | <b>Flood control projects completed during the reporting period</b>   | 0                                    |                           |                                      |            |
|                                  | <b>Flood control projects completed that did <u>not</u> include stormwater treatment</b>  | 0                                    |                           |                                      |            |
|                                  | <b>Stormwater retrofit projects planned/under construction</b>  | 0                                    |                           |                                      |            |
|                                  | <b>Stormwater retrofit projects completed</b>   | 0                                    |                           |                                      |            |
|                                  | 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.  | <input type="checkbox"/>             |                           |                                      |            |
| <b>Part III.A.4<br/>Summary</b>  | Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  |                                      |                           |                                      |            |
|                                  | <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>  |                                      |                           |                                      |            |
|                                  | <b>Limitations: None.</b>   |                                      |                           |                                      |            |
|                                  | <b>SWMP revisions implemented to address limitations: N/A</b>   |                                      |                           |                                      |            |

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| A.   | B.  | C.  | D.                                  | E.                                   | F.   |
|--|---|---|-------------------------------------|--------------------------------------|--|
| Permit Citation/<br>SWMP Element   | Permit Requirement/Quantifiable SWMP Activity   | Number of<br>Activities<br>Performed  | Documentation<br>/ Record           | Entity<br>Performing the<br>Activity | Comments   |
| 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.   |   |                                     |                                      |  |
|  | Name of Facility  | Number of<br>Inspections  |                                     |                                      |  |
|  | Pinewalk Transfer Station   | 52  | Inspection<br>logged if<br>problem  | PW staff                             | Discharges into<br>sanitary sewer<br>system G-1. |
| Part III.A.5<br>Summary  | Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  |   |                                     |                                      |  |
|  | <b>Strengths: Frequency of inspections and stormwater BMPs</b>  |   |                                     |                                      |  |
|  | <b>Limitations: None.</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.   |   |                                     |                                      |  |
|  | <b>PERSONNEL: FDACS public applicators of pesticides/herbicides</b>   | 0   |                                     |                                      | Contracted                                       |
|  | <b>CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides</b>  | 1   | Individual<br>Applicator<br>License | Hulett<br>Enviroscapes               | Fertilizer and<br>Pesticides                     |
|  | <b>PERSONNEL: Green Industry BMP Program training completed</b>   | 0   |                                     |                                      | Contracted                                       |
| <b>CONTRACTORS: FDACS certified / licensed applicators of fertilizer</b> | 1   | Individual<br>Applicator<br>License   | Hulett<br>Enviroscapes              | Fertilizer and<br>Pesticides         |  |
|  | 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.  |   |                                     |                                      |  |
|  | <b>Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance</b>   | <input type="checkbox"/>  |                                     |                                      | Refer to MS4<br>website                          |
|  | 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). |   |                                     |                                      |  |
|  | <b>Public Education and Outreach Program</b>  | 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. |                                     |                                      |  |
|  | <b>Brochures/Flyers/Fact sheets distributed</b>   | Yes   |                                     |                                      |  |
|  | <b>Neighborhood presentations: Number conducted</b>   | >10   |                                     |                                      |  |

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| Permit Citation/<br>SWMP Element | Permit Requirement/Quantifiable SWMP Activity  | Number of<br>Activities<br>Performed | Documentation<br>/ Record | Entity<br>Performing the<br>Activity        | Comments                 |
| Part III.A.6<br>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.   |                                      |                           |   |                          |
|                                  | Year 4 ONLY: Attach a report on amendments to applicable legal authority   | <input type="checkbox"/>             |                           |   |                          |
| 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   | 52                                   | Route "D" log book        | PW staff                                    | Performed at 13 stations |
|                                  | Illicit discharges found during a proactive inspection   | 0                                    | Route "D" log book        | PW staff                                    |                          |
|                                  | NOV/WL/citation/fines issued for illicit discharges found during proactive inspection  | 0                                    |                           |   |                          |
|                                  | 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                                    | Route "D" log book        | Per Staff                                   | None Reported            |
|                                  | Reactive investigations of reports of suspected illicit discharges etc.  | 0                                    |                           |   |                          |
|                                  | Illicit discharges etc. found during reactive investigation  | 0                                    |                           |   |                          |
|                                  | NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation   | 0                                    |                           |   |                          |
|                                  | 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                | 10   | Certificates                         | FSA                       | FSA1 & 2/<br>Erosion Control<br>Inspections |                          |
| Contractors trained              | 0  |                                      |                           | 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.  |                                      |                           |   |                          |
|                                  | Hazardous and non-hazardous material spills responded to   | 0                                    |                           |   |                          |
|                                  | 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  | 27                                   | Sign-in sheet             | Town staff                                  | GC/IDDE Vid.             |
| Contractors trained              | 0  |                                      |                           | Not Contracted                              |                          |



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

| A.  | B.  | C.  | D.   | E.                                   | F.       |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
|---|---|---|--|--------------------------------------|----------|--|---|---|--|--|--|---|---|--|--|--|---------------------------------|---|--|--|--|-------------------------------|---|--|--|--|---|---|--|--|--|---|---|--|--|--|--|--|--|--|
| Permit Citation/<br>SWMP Element                                    | Permit Requirement/Quantifiable SWMP Activity   | Number of<br>Activities<br>Performed  | Documentation<br>/ Record                          | Entity<br>Performing the<br>Activity | Comments |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| Part III.A.7.e  | <b>Illicit Discharges and Improper Disposal — Public Reporting</b>  |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
|   | 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).   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
|   | <b>Public Education and Outreach Program</b>  | 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. |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| Part III.A.7.f  | <b>Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control</b>   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
|   | 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).  |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
|   | <b>Public Education and Outreach Program</b>  | 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. |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| Part III.A.7.g  | <b>Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage</b>  |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
|   | 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.  |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
|   | <table border="1"> <tr> <td data-bbox="285 958 1210 985"><b>Owner of the sanitary sewer system</b></td> <td colspan="4" data-bbox="1210 958 2034 985"><b>Town of Palm Beach Water Resources Division</b></td> </tr> <tr> <td data-bbox="285 985 1210 1013"><b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b></td> <td data-bbox="1210 985 1423 1013">0</td> <td data-bbox="1423 985 1636 1013"></td> <td data-bbox="1636 985 1849 1013"></td> <td data-bbox="1849 985 2034 1013"></td> </tr> <tr> <td data-bbox="285 1013 1210 1040"><b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b></td> <td data-bbox="1210 1013 1423 1040">0</td> <td data-bbox="1423 1013 1636 1040"></td> <td data-bbox="1636 1013 1849 1040"></td> <td data-bbox="1849 1013 2034 1040"></td> </tr> <tr> <td data-bbox="285 1040 1210 1068"><b>SSO incidents discovered</b></td> <td data-bbox="1210 1040 1423 1068">0</td> <td data-bbox="1423 1040 1636 1068"></td> <td data-bbox="1636 1040 1849 1068"></td> <td data-bbox="1849 1040 2034 1068"></td> </tr> <tr> <td data-bbox="285 1068 1210 1096"><b>SSO incidents resolved</b></td> <td data-bbox="1210 1068 1423 1096">0</td> <td data-bbox="1423 1068 1636 1096"></td> <td data-bbox="1636 1068 1849 1096"></td> <td data-bbox="1849 1068 2034 1096"></td> </tr> <tr> <td data-bbox="285 1096 1210 1123"><b>Inflow / infiltration incidents discovered</b></td> <td data-bbox="1210 1096 1423 1123">0</td> <td data-bbox="1423 1096 1636 1123"></td> <td data-bbox="1636 1096 1849 1123"></td> <td data-bbox="1849 1096 2034 1123"></td> </tr> <tr> <td data-bbox="285 1123 1210 1157"><b>Inflow / infiltration incidents resolved</b></td> <td data-bbox="1210 1123 1423 1157">0</td> <td data-bbox="1423 1123 1636 1157"></td> <td data-bbox="1636 1123 1849 1157"></td> <td data-bbox="1849 1123 2034 1157"></td> </tr> </table> | <b>Owner of the sanitary sewer system</b>   | <b>Town of Palm Beach Water Resources Division</b> |                                      |          |  | <b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b> | 0 |  |  |  | <b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b> | 0 |  |  |  | <b>SSO incidents discovered</b> | 0 |  |  |  | <b>SSO incidents resolved</b> | 0 |  |  |  | <b>Inflow / infiltration incidents discovered</b> | 0 |  |  |  | <b>Inflow / infiltration incidents resolved</b> | 0 |  |  |  |  |  |  |  |
| <b>Owner of the sanitary sewer system</b>                           | <b>Town of Palm Beach Water Resources Division</b>  |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| <b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b> | 0   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| <b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b> | 0   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| <b>SSO incidents discovered</b>                                     | 0   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| <b>SSO incidents resolved</b>                                       | 0   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| <b>Inflow / infiltration incidents discovered</b>                   | 0   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| <b>Inflow / infiltration incidents resolved</b>                     | 0   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| Part III.A.7<br>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.   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
|   | <b>Strengths: No illicit discharges were discovered during this review period.</b>  |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
|   | <b>Limitations: None.</b>   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
|   | <b>SWMP Revisions implemented to address limitations: N/A</b>   |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |
| 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.  |   |  |                                      |          |  |   |   |  |  |  |   |   |  |  |  |                                 |   |  |  |  |                               |   |  |  |  |   |   |  |  |  |   |   |  |  |  |  |  |  |  |

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

| A.                               | B.  |                         | C.                                   |                        | D.                        | E.                                   | F.                              |
|----------------------------------|---|-------------------------|--------------------------------------|------------------------|---------------------------|--------------------------------------|---------------------------------|
| Permit Citation/<br>SWMP Element | Permit Requirement/Quantifiable SWMP Activity   |                         | Number of<br>Activities<br>Performed |                        | Documentation<br>/ Record | Entity<br>Performing the<br>Activity | Comments                        |
|                                  | Type of Facility  | Number of<br>Facilities | Number of<br>Inspections             | Enforcement<br>Actions |                           |                                      |                                 |
|                                  | Operating municipal landfills   | 0                       |                                      |                        |                           |                                      | EPA                             |
|                                  | Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities   | 0                       |                                      |                        |                           |                                      | Inventories                     |
|                                  | EPCRA Title III, Section 313 facilities (TRI)   | 0                       |                                      |                        |                           |                                      | No Facilities                   |
|                                  | Facilities determined as high risk by the permittee   | 0                       |                                      |                        |                           |                                      | N/A                             |
| <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                       |                                      |                        |                           |                                      |                                 |
| <b>Part III.A.8<br/>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   | 2509                    |                                      |                        | EDEN                      | PW Plan Reviewer                     | Majority Minor Site Work        |
|                                  | PRIVATE SITES: Construction site plans approved   | 72                      |                                      |                        | EDEN                      | PW Plan Reviewer                     | With Soil Disturbing Activities |
|                                  | 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                     | All below ERP thresholds        |
|                                  | Confirmed ERP coverage  | 0                       |                                      |                        | Database                  | PW Plan Reviewer                     |                                 |
|                                  | Notified of CGP stormwater permit requirements  | 4                       |                                      |                        | Database                  | PW Plan Reviewer                     | Refer to ERP & CGP Notification |

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

| A.                               | B.   | C.                                   | D.                        | E.                                   | F.                     |
|----------------------------------|--|--------------------------------------|---------------------------|--------------------------------------|------------------------|
| Permit Citation/<br>SWMP Element | Permit Requirement/Quantifiable SWMP Activity  | Number of<br>Activities<br>Performed | Documentation<br>/ Record | Entity<br>Performing the<br>Activity | Comments               |
|                                  | Confirmed CGP coverage   | 0                                    | Database                  | PW Plan<br>Reviewer                  | Procedures             |
| <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 enforcement actions / referrals taken. |                                      |                           |                                      |                        |
|                                  | PERMITTEE SITES: Active construction sites   | 1 (Rec Center)                       | EDEN                      | PW Plan Review                       |                        |
|                                  | PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs  | 0                                    |                           |                                      |                        |
|                                  | PERMITTEE SITES: Percentage of active construction sites inspected   | 0                                    |                           |                                      |                        |
|                                  | PRIVATE SITES: Active construction sites   | 117                                  |                           |                                      |                        |
|                                  | PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs  | 452                                  |                           |                                      |                        |
|                                  | PRIVATE SITES: Percentage of active construction sites inspected   | 100                                  |                           |                                      |                        |
|                                  | Enforcement Action   | 0                                    |                           |                                      |                        |
| <b>Part III.A.9.c</b>            | <b>Construction Site Runoff — Site Operator Training</b>   |                                      |                           |                                      |                        |
|                                  | Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).   |                                      |                           |                                      |                        |
|                                  |  | DEP<br>Certification                 | Annual<br>Training        |                                      |                        |
|                                  | Permittee construction site inspectors   | 10                                   | 26                        | Sign-In Sheet                        | Town staff<br>GC Video |
|                                  | Permittee construction site plan reviewers   |                                      | 1                         | Sign-In Sheet                        | Town staff<br>GC Video |
|                                  | Permittee construction site operators  |                                      | 0                         |                                      |                        |
| <b>Part III.A.9<br/>Summary</b>  | Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.   |                                      |                           |                                      |                        |
|                                  | <b>Strengths: Routine inspections are performed to ensure SWMP requirements and BMPs are met.</b>  |                                      |                           |                                      |                        |
|                                  | <b>Limitations: None</b>   |                                      |                           |                                      |                        |
|                                  | <b>SWMP revisions implemented to address limitations:</b>  |                                      |                           |                                      |                        |

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

|           | Permit Citation/<br>SWMP Element | Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY. |
|-----------|----------------------------------|--|
| <b>A.</b> | N/A                              | None   |
|           |                                  |  |
| <b>B.</b> | 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)   |
|           |                                  |  |
|           |                                  |  |
|           |                                  |  |
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|           |                                  |  |

**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/<br>Waterbody/<br>Basin | Pollutant of<br>Concern | TMDL<br>DEP / EPA                                   | Percent<br>Reduction<br>(WLA) | Priority Rank | Priority<br>Outfall | Monitoring<br>Summary /<br>BPCP<br>Due Date | Supplemental<br>SWMP<br>Due Date |
|-------------|---------------------------------|-------------------------|---|-------------------------------|---------------|---------------------|---|----------------------------------|
| N/A         |                                 |                         | <input type="checkbox"/> / <input type="checkbox"/> |                               | 1             |                     | (Year 3 AR)                                 | (Year 4 AR; N/A)<br>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<br>Concern | Monitoring<br>Summary /<br>BPCP<br>Submitted | Supplemental<br>SWMP<br>Submitted | Projected load reductions OR Actual load reductions to date |
|-------------|-------------------------|--|-----------------------------------|---|
| N/A         |                         | (Year 3 AR)                                  | (Year 4 AR; N/A if<br>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  
Part V.- Monitoring Requirements;  
Sub-part A.- Assessment Report  
Year 3

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

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

Figure 1: Water Quality Monitoring Stations

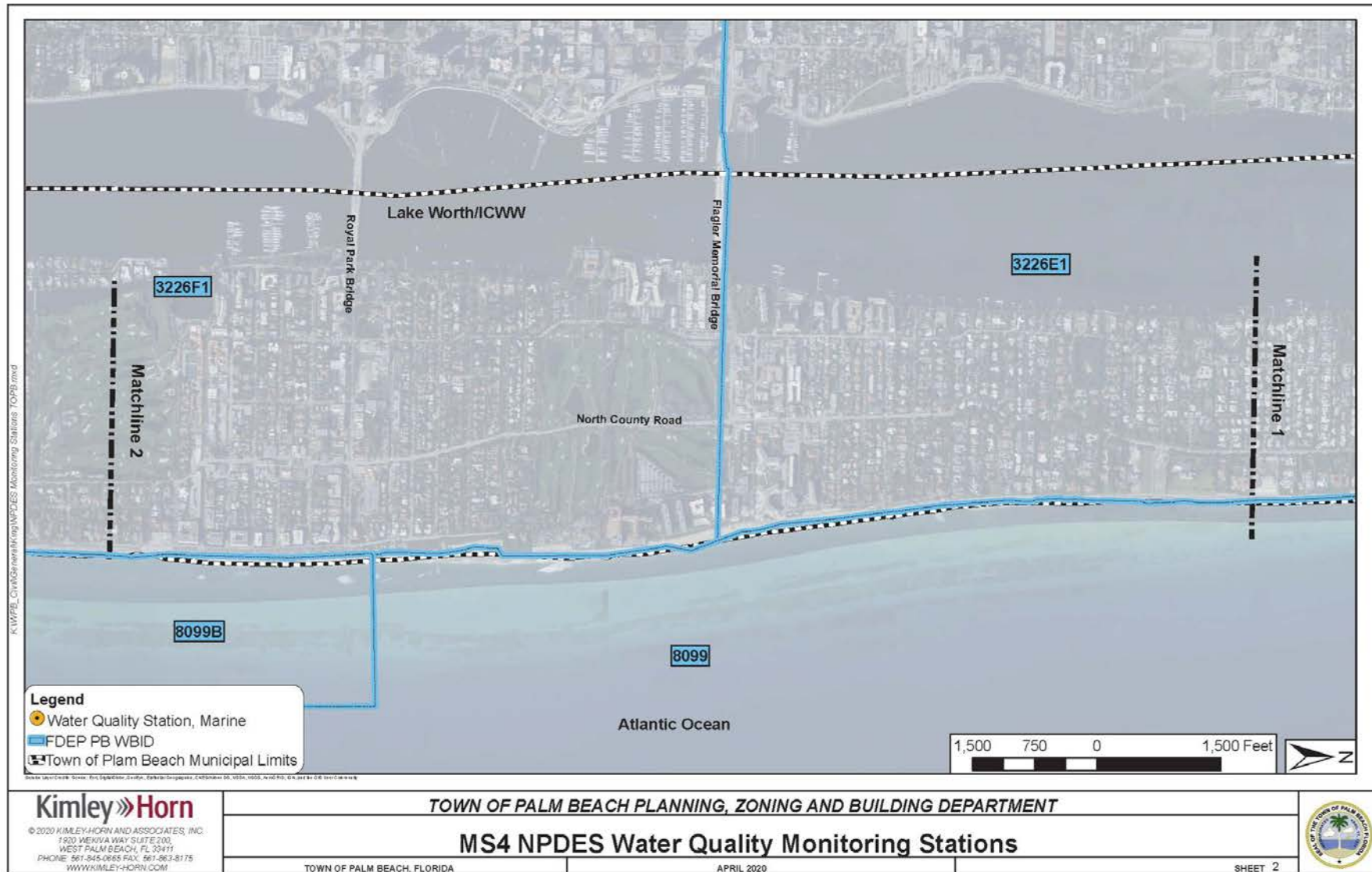


**Kimley Horn**  
© 2020 KIMLEY-HORN AND ASSOCIATES, INC.  
1920 MERIVA WAY SUITE 200  
WEST PALM BEACH, FL 33411  
PHONE: 561-845-0665 FAX: 561-963-8175  
WWW.KIMLEY-HORN.COM





Figure 1: Water Quality Monitoring Stations



**Kimley»Horn**

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1920 MEKIVA WAY SUITE 200,  
WEST PALM BEACH, FL 33411  
PHONE: 561-845-0865 FAX: 561-863-8175  
WWW.KIMLEY-HORN.COM

TOWN OF PALM BEACH PLANNING, ZONING AND BUILDING DEPARTMENT

**MS4 NPDES Water Quality Monitoring Stations**



Figure 1: Water Quality Monitoring Stations

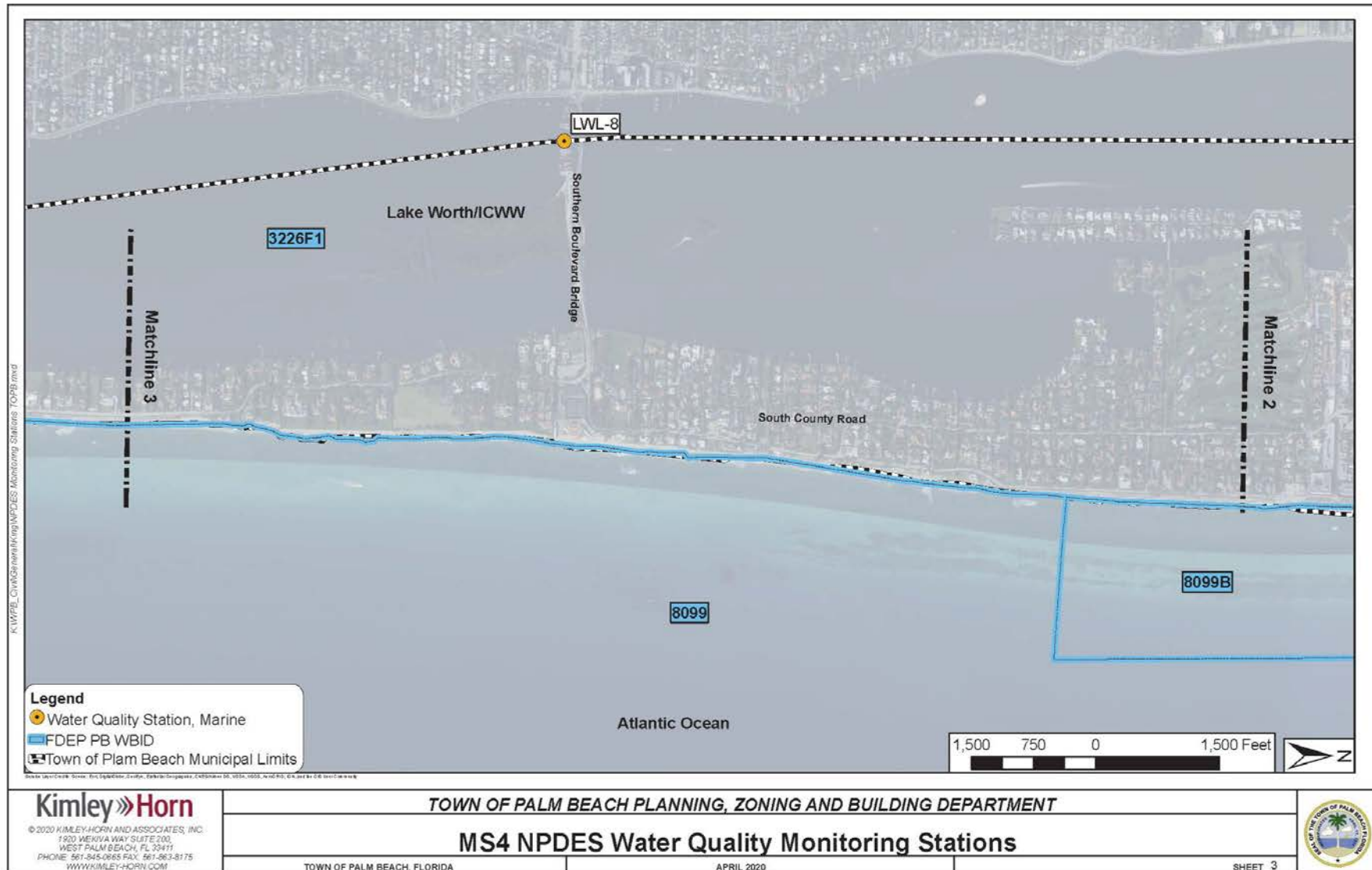


Figure 1: Water Quality Monitoring Stations

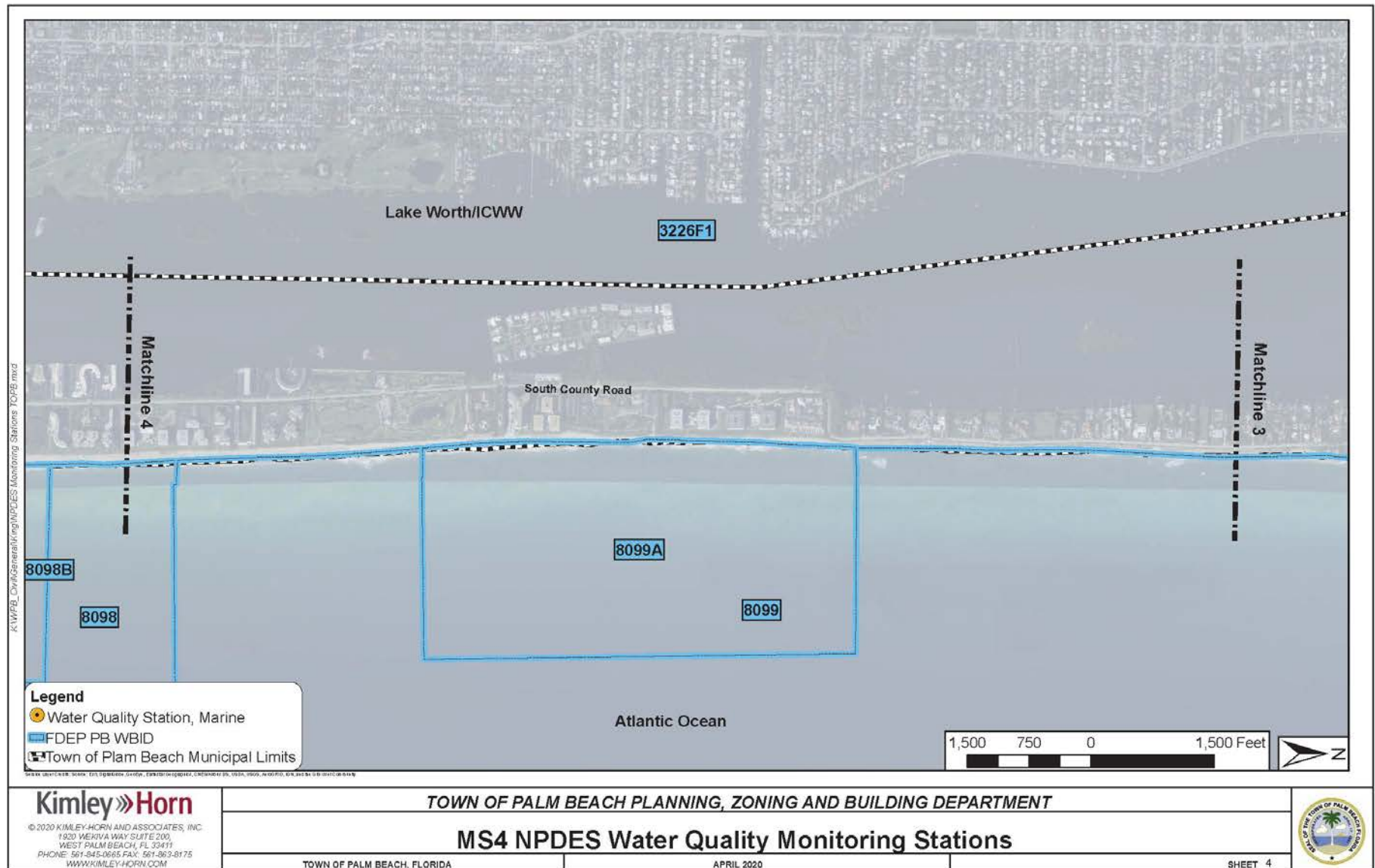
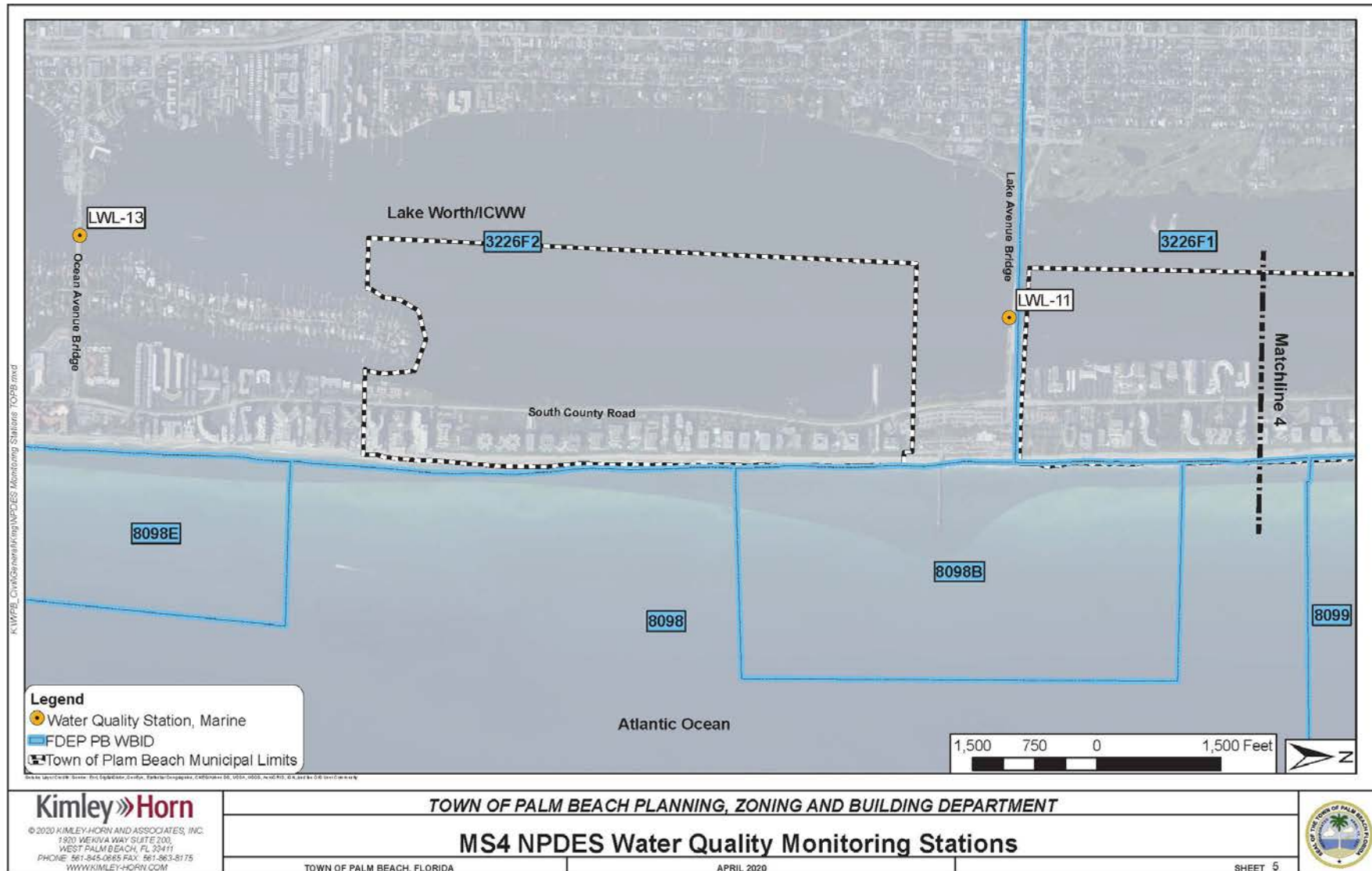




Figure 1: Water Quality Monitoring Stations



### 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 3, 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

| Period of Record | Station | Total Nitrogen         | Total Phosphorus       | Chlorophyll-a          |
|------------------|---------|------------------------|------------------------|------------------------|
| 1999-2019        | LWL-8   | Decreasing             | Decreasing             | Significant Increasing |
| 1999-2019        | LWL-11  | Decreasing             | Decreasing             | Significant Increasing |
| 2004-2019        | LWL-13  | Significant Decreasing | Significant Decreasing | Decreasing             |

All three water quality monitoring sites show a decreasing trend for the primary nutrients (Total Nitrogen and Total Phosphorus). Chlorophyll-a has an increasing trend for two stations (LWL-8 and LWL-11). Both of these stations are located 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           |
| Street Sweeping                     |                        |                | 144          |           |            | 224           |
| <b>Total Adjusted Cycle 4 Loads</b> | <b>33,325</b>          | <b>172,431</b> | <b>1,366</b> | <b>86</b> | <b>363</b> | <b>10,085</b> |
| Percent Reduction                   | 6%                     | 6%             | 15%          | 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 information. At this time there is no need to develop further stormwater management programs.

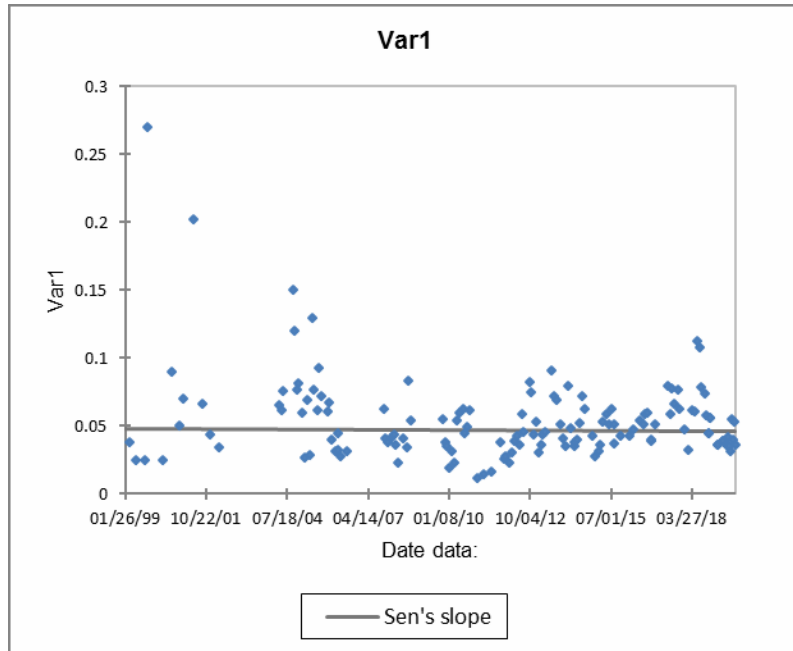


Figure 1: LWL-8-TP Source: Group/Joint Activities - Water Quality Monitoring

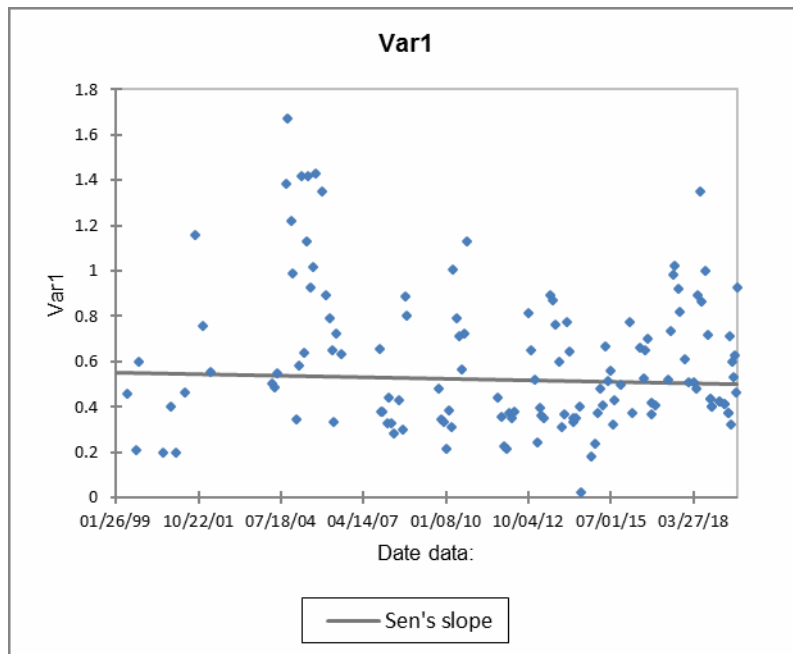


Figure 2: LWL-8-TN Source: Group/Joint Activities - Water Quality Monitoring

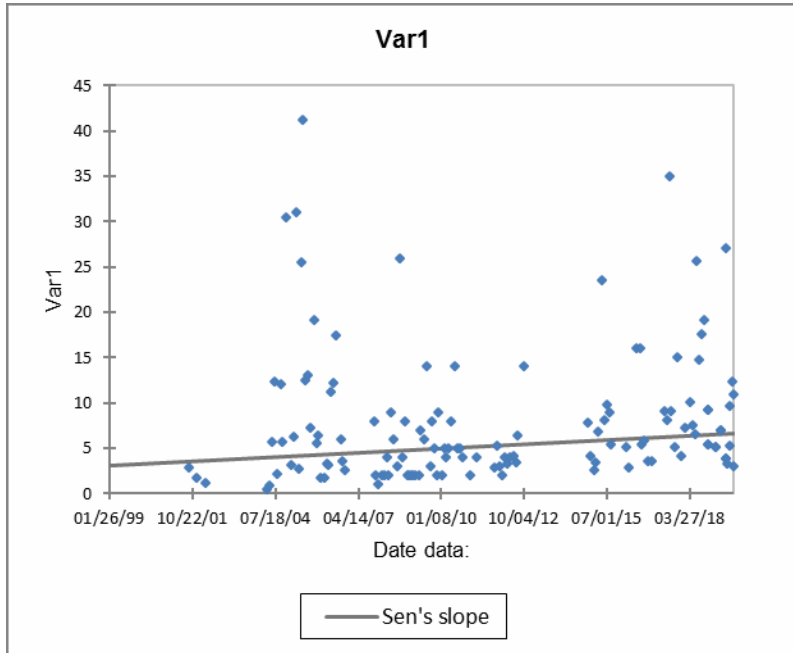


Figure 3: LWL-8- Chlorophyll-A Source: Group/Joint Activities - Water Quality Monitoring

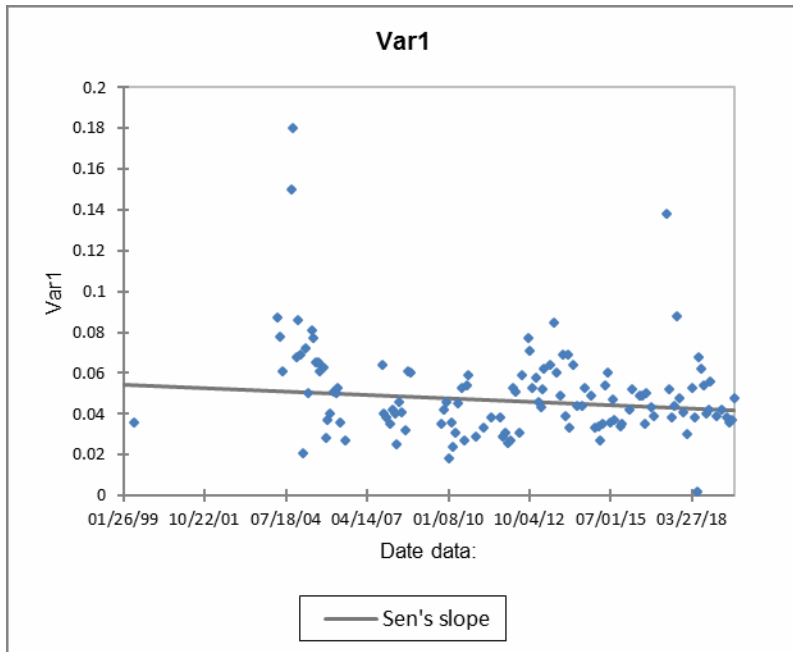


Figure 4: LWL-11-TP Source: Group/Joint Activities - Water Quality Monitoring



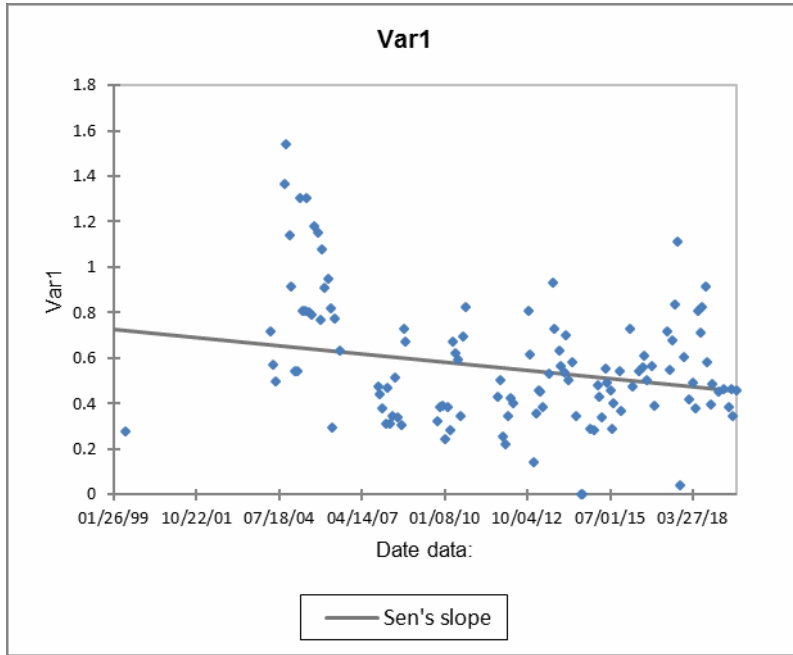


Figure 5: LWL-11-TN Source: Group/Joint Activities - Water Quality Monitoring

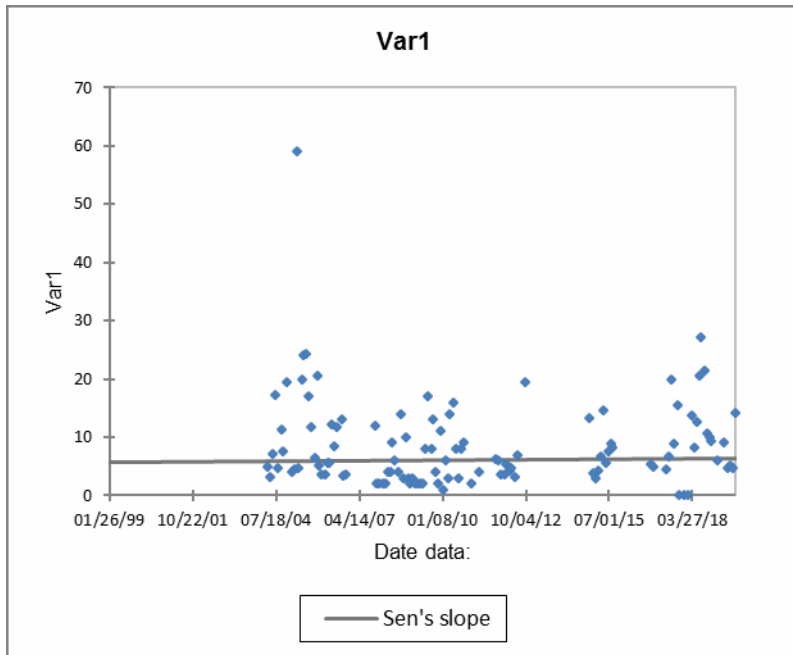


Figure 6: LWL-11- Chlorophyll-A Source: Group/Joint Activities - Water Quality Monitoring

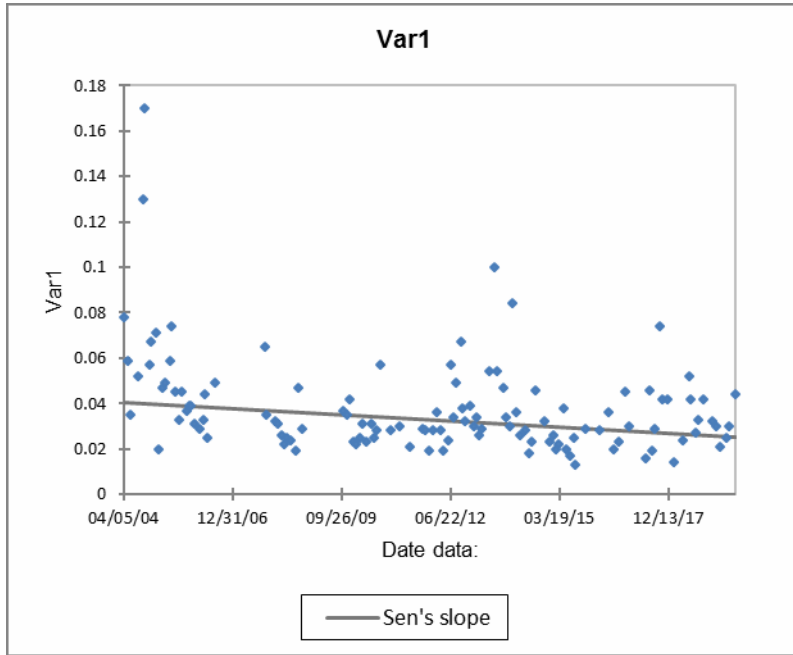


Figure 7: LWL-13-TP Source: Group/Joint Activities - Water Quality Monitoring

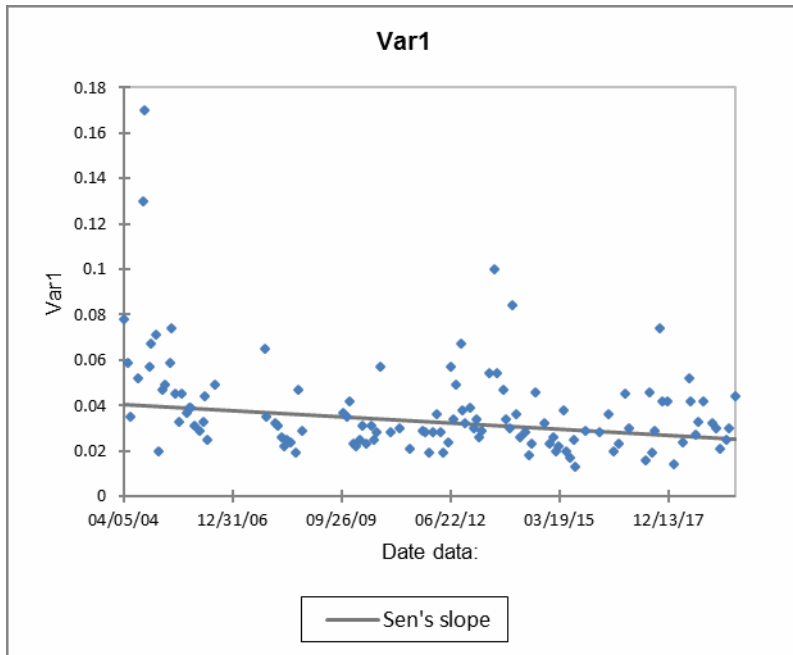


Figure 8: LWL-13-TN Source: Group/Joint Activities - Water Quality Monitoring

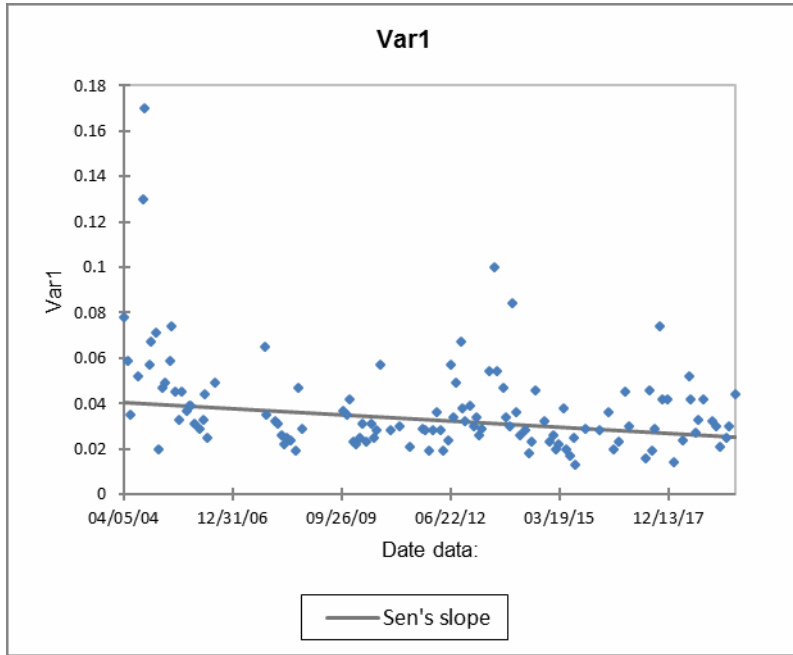


Figure 9: LWL-13-Chlorophyll-A Source: Group/Joint Activities - Water Quality Monitoring