



# 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: South Indian River Water Control District		
<b>B.</b>	Permit Name: Palm Beach County MS4		
<b>C.</b>	Permit Number: FLS000018		
<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): October 1 / 2018 through September 30 / 2019		
<b>F.</b>	Name of the Responsible Authority: Mike Dillon		
	Title: Manager of Operations		
	Mailing Address: 15600 Jupiter Farms Rd.		
	City: Jupiter	Zip Code: 33478	County: Palm Beach
	Telephone Number: 561-747-0550		Fax Number: 561-747-9182
	E-mail Address: dillon@sirwcd.org		
<b>G.</b>	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above):		
	Title:		
	Department:		
	Mailing Address:		
	City:	Zip Code:	County:
	Telephone Number:		Fax Number:
	E-mail Address:		

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

<b>A.</b>	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input checked="" 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): (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable

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

A.	<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: PBC Joint Annual Report          Status: The monitoring program is carried out jointly by the PBC permittees. See the PBC Joint Annual Report. The information relevant to the permittee's outfalls is addressed within the Annual Assessment Report documents, provided herewithin.</p>
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>See attached Water Quality Assessment Report. Refer to the Joint Annual Report for a summary of the Group Water Quality Monitoring results for the reporting period.</p>
C.	<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>See attached Water Quality Assessment Report.</p>

**SECTION IV. FISCAL ANALYSIS**

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$14,000
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$14,000
C.	<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	See Joint Annual Report and attached WQ Assessment Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.	Part III A.1	
<input 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	See Joint Annual Report and attached WQ Assessment Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3 Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	YEAR 3 Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	See attached BCP (N/A)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4 A report on any amendments to the applicable legal authority (if applicable).	Part III A.7.a	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4 Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. <ul style="list-style-type: none"> <li>The monitoring plan (with revisions, if applicable).</li> <li>If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate.</li> </ul>	Part V.B.3 Part V.A.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: TMDL Supplemental SWMP (if applicable).	Part VIII.B.3	

**DO NOT SUBMIT ANY OTHER MATERIALS**  
(such as records and logs of activities, monitoring raw data, public outreach materials, etc.)

**SECTION VI. CERTIFICATION STATEMENT AND SIGNATURE**

The Responsible Authority listed in Section I.F above must sign the following certification statement, as per Rule 62-620 305, F.A.C.:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Responsible Authority (type or print): Mike Dillon

Title: Manager of Operations

Signature:  Date: 3/12/2020

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.	
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments	
<b>Part III.A.1</b>	<b>Structural Controls and Stormwater Collection Systems Operation</b>					
	Report the current known inventory.					
	Report the number of inspection and maintenance activities conducted for each applicable type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained.					
	<i>Note: Delete structures that are not in your MS4's inventory. The permittee may choose its own unit of measurement for each structural control to be consistent with the unit of measurement in the documentation. Unit options include: miles, linear feet, acres, etc.</i>					
	<b>Type of Structure</b>	<b>Number of Structures</b>	<b>Number of Inspections</b>	<b>Percent Inspected</b>	<b>Number of Maintenance Activities</b>	<b>Percent Maintained</b>
	Dry retention systems	0	N/A	N/A	N/A	N/A
	Underdrain filter systems	0	N/A	N/A	N/A	N/A
	Exfiltration trench / French drains (lf)	0	N/A	N/A	N/A	N/A
	Grass treatment swales (miles)	0	N/A	N/A	N/A	N/A
	Dry detention systems	0	N/A	N/A	N/A	N/A
	Wet detention systems	60 miles	89	100	89	100
	Detention with filtration systems	0	N/A	N/A	N/A	N/A
	Alum Injection systems	0	N/A	N/A	N/A	N/A
	Pollution control boxes	0	N/A	N/A	N/A	N/A
	pump stations	0	N/A	N/A	N/A	N/A
	Major outfalls	12	12	100	22	100
	Weirs or other control structures	12	12	100	22	100
	pipes / culverts (miles)	1.6	0.15	100	N/A	N/A
	Canals (miles)	60	89	100	89	100
	Inlets / catch basins / grates	78	152	100	152	100
	Ditches / conveyance swales (miles)	300+ miles	365	100	365	100

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	<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 style="text-align: center;"><input type="checkbox"/></p>																															
<b>Part III.A.1 Summary</b>	<p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p><b>Strengths:</b> The program clearly outlines the required frequency of inspections and maintenance for all structural components along with required inspection and maintenance activities. Reporting of inspections and maintenance is required for inclusion in the annual report.</p> <p><b>Limitations:</b> No limitations in the program have been identified.</p> <p><b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.</p>																															
<b>Part III.A.2</b>	<p><b>Areas of New Development and Significant Redevelopment</b></p> <p>Continue to employ ITID, NPBCID, SIRWCD Drainage Permit requirements for developments occurring within the ITID, NPBCID, SIRWCD boundaries to ensure that appropriate stormwater treatment and permitting occurs prior to discharge into the ITID, NPBCID, SIRWCD systems. Refer connecting entities failing to meet the ITID, NPBCID, SIRWCD permit requirements or maintain the discharge of acceptable water quality, after sufficient warning by ITID, NPBCID, SIRWCD, to DEP and / or Palm Beach County; or the SFWMD to regulate the stormwater quality through local or State rules, ordinances, and codes. Report the number of enforcement referrals completed.</p>																															
<b>Part III.A.2 Summary</b>	<p><b>Number of enforcement referrals completed</b>      0      N/A      N/A      N/A</p> <p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p><b>Strengths:</b> SIRWCD has a strong drainage permitting program. Water quality violations are reported to PBC ERM or SFWMD.</p> <p><b>Limitations:</b> No limitations have been identified.</p> <p><b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.</p>																															
<b>Part III.A.3</b>	<p><b>Roadways</b></p> <p>Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected.</p> <p><i>Note: if the permittee does not contract activities, delete CONTRACTOR activities.</i></p> <table border="1" data-bbox="1079 919 1339 1829"> <thead> <tr> <th>PERMITTEE Litter Control: Frequency of litter collection</th> <th>District Log</th> <th>SIRWCD Personnel</th> </tr> </thead> <tbody> <tr> <td>5 occasions</td> <td>District Log</td> <td>SIRWCD Personnel</td> </tr> <tr> <td>PERMITTEE Litter Control: Estimated amount of area maintained (lf)</td> <td>District Log</td> <td>SIRWCD Personnel</td> </tr> <tr> <td>316,800</td> <td>District Log</td> <td>SIRWCD Personnel</td> </tr> <tr> <td>PERMITTEE Litter Control: Estimated amount of litter collected (cy)</td> <td>District Log</td> <td>SIRWCD Personnel</td> </tr> <tr> <td>22.4</td> <td>District Log</td> <td>SIRWCD Personnel</td> </tr> <tr> <td>CONTRACTOR Litter Control: Frequency of litter collection</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>CONTRACTOR Litter Control: Estimated amount of area maintained (lf)</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>CONTRACTOR Litter Control: Estimated amount of litter collected (cy)</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> <p>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".</p> <p style="text-align: right;"><b>Trash Pick-up Events: Total miles cleaned</b>      0      N/A      N/A      N/A</p>					PERMITTEE Litter Control: Frequency of litter collection	District Log	SIRWCD Personnel	5 occasions	District Log	SIRWCD Personnel	PERMITTEE Litter Control: Estimated amount of area maintained (lf)	District Log	SIRWCD Personnel	316,800	District Log	SIRWCD Personnel	PERMITTEE Litter Control: Estimated amount of litter collected (cy)	District Log	SIRWCD Personnel	22.4	District Log	SIRWCD Personnel	CONTRACTOR Litter Control: Frequency of litter collection	N/A	N/A	CONTRACTOR Litter Control: Estimated amount of area maintained (lf)	N/A	N/A	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	N/A	N/A
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	<p>Trash Pick-up Events: Estimated amount of litter collected (cy)                      Adopt-A-Road: Total miles cleaned</p> <p>Adopt-A-Road: Estimated amount of litter collected (cy)</p> <p>Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.</p>	<p>0</p> <p>0</p> <p>0</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p>
	<p><b>Name of Facility</b></p> <p>SIRWCD Maintenance Shop</p> <p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p><b>Strengths:</b> SIRWCD implements a litter control program that includes roadway and canal litter cleanup on an as needed basis</p> <p><b>Limitations:</b> No limitations in the program have been identified.</p> <p><b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.</p>	<p><b>Number of Inspections</b></p> <p>1</p>	<p>District Log</p>	<p>SIRWCD Personnel</p>	<p>Annual</p>
<p><b>Part III.A.3 Summary</b></p>	<p><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>0</p> <p>0</p> <p>0</p> <p>0</p> <p><input type="checkbox"/></p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>
<p><b>Part III.A.4 Summary</b></p>	<p><b>Strengths:</b> When flood control projects are implemented, they are designed and constructed to meet the water quality requirements of the Environmental Resource Permitting rules of the South Florida Water Management District.</p> <p><b>Limitations:</b> No limitations in the program have been identified.</p> <p><b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.</p>				

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Part III.A.5	<p><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.</p>	<table border="1"> <thead> <tr> <th data-bbox="358 709 407 919">Number of Inspections</th> </tr> </thead> <tbody> <tr> <td data-bbox="407 709 456 919">1</td> </tr> </tbody> </table>	Number of Inspections	1	Inspection Log	SIRWCD Personnel	Annual																		
Number of Inspections																									
1																									
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:</b> Not applicable. SIRWCD does not have any TSD facilities.</p> <p><b>Limitations:</b> Not applicable</p> <p><b>SWMP revisions implemented to address limitations:</b> Not applicable</p>																								
Part III.A.6	<p><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.</p>	<table border="1"> <tbody> <tr> <td data-bbox="537 709 586 919">0</td> <td data-bbox="586 709 634 919">N/A</td> <td data-bbox="634 709 683 919">N/A</td> <td data-bbox="683 709 732 919">N/A</td> <td data-bbox="732 709 781 919">No SIRWCD Applicators</td> </tr> <tr> <td data-bbox="781 709 829 919">1</td> <td data-bbox="829 709 878 919">District Files</td> <td data-bbox="878 709 927 919">Tetra-Tech</td> <td data-bbox="927 709 976 919">Monthly Reports</td> <td data-bbox="976 709 1024 919">N/A</td> </tr> <tr> <td data-bbox="1024 709 1073 919">0</td> <td data-bbox="1073 709 1122 919">N/A</td> <td data-bbox="1122 709 1170 919">N/A</td> <td data-bbox="1170 709 1219 919">N/A</td> <td data-bbox="1219 709 1268 919">No Fertilizer Applied</td> </tr> <tr> <td data-bbox="1268 709 1317 919">0</td> <td data-bbox="1317 709 1365 919">N/A</td> <td data-bbox="1365 709 1414 919">N/A</td> <td data-bbox="1414 709 1463 919">N/A</td> <td data-bbox="1463 709 1511 919">No Fertilizer Applied</td> </tr> </tbody> </table>	0	N/A	N/A	N/A	No SIRWCD Applicators	1	District Files	Tetra-Tech	Monthly Reports	N/A	0	N/A	N/A	N/A	No Fertilizer Applied	0	N/A	N/A	N/A	No Fertilizer Applied			
0	N/A	N/A	N/A	No SIRWCD Applicators																					
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0	N/A	N/A	N/A	No Fertilizer Applied																					
0	N/A	N/A	N/A	No Fertilizer Applied																					
Part III.A.6	<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> <input type="checkbox"/> N/A N/A N/A N/A</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> <table border="1"> <tbody> <tr> <td data-bbox="699 919 748 1829">See comment above</td> <td data-bbox="748 919 797 1829">See comment above</td> <td data-bbox="797 919 846 1829">PBC Permittees</td> <td data-bbox="846 919 894 1829">Joint Annual Report</td> </tr> <tr> <td data-bbox="894 919 943 1829">1</td> <td data-bbox="943 919 992 1829">Newsletter</td> <td data-bbox="992 919 1040 1829">SIRWCD</td> <td data-bbox="1040 919 1089 1829">Landowners Day</td> </tr> <tr> <td data-bbox="1089 919 1138 1829">See comment</td> <td data-bbox="1138 919 1187 1829">See comment</td> <td data-bbox="1187 919 1235 1829">PBC Permittees</td> <td data-bbox="1235 919 1284 1829">Joint Annual Report</td> </tr> </tbody> </table> <p><b>Brochures/Flyers/Fact sheets distributed</b></p> <p><b>Neighborhood presentations: Number conducted</b></p> <p><b>Neighborhood presentations: Number of participants</b></p>					See comment above	See comment above	PBC Permittees	Joint Annual Report	1	Newsletter	SIRWCD	Landowners Day	See comment	See comment	PBC Permittees	Joint Annual Report								
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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Newspapers & newsletters: Number of articles/notices published	above	above		Report
		4	Mailed to Residents	SIRWCD	Quarterly
	Newsletters: Number of newsletters distributed	28,000	Mailed to Residents	SIRWCD	Quarterly
	Public displays (e.g., kiosks, storyboards, posters, etc.)	See comment above	See comment above	PBC Permittees	Joint Annual Report
	Radio or television Public Service Announcements (PSAs)	See comment above	See comment above	PBC Permittees	Joint Annual Report
	School presentations: Number conducted	0	N/A	N/A	N/A
	School presentations: Number of participants	0	N/A	N/A	N/A
	Seminars/Workshops: Number conducted	See comment above	See comment above	PBC Permittees	Joint Annual Report
	Seminars/Workshops: Number of participants	See comment above	See comment above	PBC Permittees	Joint Annual Report
	Special events: Number conducted	0	N/A	N/A	N/A
	Special events: Number of participants	0	N/A	N/A	N/A
	Number of visitors to stormwater-related pages	0	N/A	N/A	N/A
	FYN: Brochure/Flyers/Fact sheets distributed			FYN	
	FYN: Neighborhood presentations: Number conducted			FYN	
	FYN: Neighborhood presentations: Number of participants			FYN	
	FYN: Public displays (e.g., kiosks, storyboards, posters, etc.)			FYN	
	FYN: Radio or television Public Service Announcements (PSAs)			FYN	
	FYN: School presentations: Number conducted			FYN	
	FYN: School presentations: Number of participants			FYN	
	FYN: Seminars/Workshops: Number conducted			FYN	
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	FYN: Special events: Number of participants			FYN	
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
Part III.A.6 Summary	Strengths: The program requires proper certification and licensing for all applicators used to apply pesticides or herbicides on applicant owned property. A public education and outreach program is in place and is carried out as a joint effort by the Palm Beach County Co-permittees.				
	Limitations: No limitations in the program have been identified.				
	SWMP revisions implemented to address limitations: No revisions are proposed.				
Part III.A.7.a	Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures				
	Report amendments in Year 4.				
	Year 4 ONLY: Attach a report on amendments to applicable legal authority	<input type="checkbox"/>	N/A	N/A	N/A

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

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
<b>Part III.A.7.c</b>	<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.	118	District Log	SIRWCD Personnel	
	Proactive inspections for suspected illicit discharges	0	N/A	N/A	N/A
	Illicit discharges found during a proactive inspection	0	N/A	N/A	N/A
	NOVWL/citation/fines issued for illicit discharges found during proactive inspection	0	N/A	N/A	N/A
	Report on the reactive investigation program as it relates to responding to reports of suspected illicit discharges, including the number of reports received, the number of investigations conducted, the number of illicit activities found, and the number and type of enforcement actions taken.	0	N/A	N/A	N/A
	Reports of suspected illicit discharges received	0	N/A	N/A	N/A
	Reactive investigations of reports of suspected illicit discharges etc.	0	N/A	N/A	N/A
	Illicit discharges etc. found during reactive investigation	0	N/A	N/A	N/A
	NOVWL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	N/A	N/A	N/A
	Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.	12	In-house video	SIRWCD	Sign-In Sheet N/A
	Personnel trained	0	N/A	N/A	N/A
	Contractors trained	0	N/A	N/A	N/A
<b>Part III.A.7.d</b>	<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				
	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	N/A	N/A	N/A
	Personnel trained	0	N/A	N/A	N/A
	Contractors trained	0	N/A	N/A	N/A
<b>Part III.A.7.e</b>	<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).				
	Public Education and Outreach Program	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.	See Comment Above	PBC Permittees	Joint Annual Report
	Brochures/Flyers/Fact sheets distributed	See Comment Above	See Comment Above	PBC Permittees	Joint Annual Report
	Neighborhood presentations: Number conducted	See Comment Above	See Comment Above	PBC Permittees	Joint Annual Report

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	<p>Neighborhood presentations: Number of participants</p> <p>Newspapers &amp; newsletters: Number of articles/notices published</p> <p>Newsletters: Number of newsletters distributed</p> <p>Public displays (e.g., kiosks, storyboards, posters, etc.)</p> <p>Radio or television Public Service Announcements (PSAs)</p> <p>School presentations: Number conducted</p> <p>School presentations: Number of participants</p> <p>Seminars/Workshops: Number conducted</p> <p>Seminars/Workshops: Number of participants</p> <p>Special events: Number conducted</p> <p>Special events: Number of participants</p> <p>Number of visitors to stormwater-related pages</p>	<p>See Comment Above</p> <p>See Comment Above</p> <p>28,000</p> <p>See Joint Annual Report</p>	<p>See Comment Above</p> <p>See Comment Above</p> <p>Newsletter</p>	<p>PBC Permittees</p> <p>PBC Permittees</p> <p>SIRWCD Personnel</p> <p>PBC Permittees</p>	<p>Joint Annual Report</p> <p>Joint Annual Report</p> <p>Joint Annual Report</p>
Part III.A.7.f	<p><b>Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control</b></p> <p>Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, and the number of Web site visits (if applicable).</p>				
	<p><b>Public Education and Outreach Program</b></p> <p>Brochures/Flyers/Fact sheets distributed</p> <p>Neighborhood presentations: Number conducted</p> <p>Neighborhood presentations: Number of participants</p> <p>Newsletters &amp; newsletters: Number of articles/notices published</p> <p>Newsletters: Number of newsletters distributed</p> <p>Public displays (e.g., kiosks, storyboards, posters, etc.)</p> <p>Radio or television Public Service Announcements (PSAs)</p> <p>School presentations: Number conducted</p> <p>School presentations: Number of participants</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> <p>0</p> <p>0</p> <p>0</p> <p>28,000</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>SIRWCD Newsletter</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>SIRWCD</p> <p>SIRWCD</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>Posted information related to NPDES program in District News and Notes Section</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>

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

A.	B.	C.	D.	E.	F.															
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments															
	Seminars/Workshops: Number conducted Seminars/Workshops: Number of participants Special events: Number conducted Special events: Number of participants Storm sewer inlets newly marked/replaced Number of visitors to stormwater-related pages	0 0 0 0 0 0	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A															
<b>Part III.A.7.g</b>	<b>Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage</b>																			
	Advise the appropriate utility owner of a violation if constituents common to wastewater contamination are discovered in ITID, NPBCID, SIRWCD, SIRWCD's MS4. Report the number of violations referred to the appropriate utility owner and the name of the utility owner.  Owner of the sanitary sewer system Number of violations referred	0	N/A	N/A	N/A															
<b>Part III.A.7 Summary</b>	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:</b> The program includes proactive inspections for suspected illicit discharges as well as water quality monitoring to identify potential sources of illicit discharge. <b>Limitations:</b> No limitations in the program have been identified. <b>SWMP Revisions implemented to address limitations:</b> No revisions are proposed.																			
<b>Part III.A.8.a</b>	<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.	<table border="1"> <thead> <tr> <th data-bbox="946 898 1109 989">Number of Facilities</th> <th data-bbox="946 804 1109 898">Number of Inspections</th> <th data-bbox="946 709 1109 804">Enforcement Actions</th> </tr> </thead> <tbody> <tr> <td data-bbox="1117 898 1149 989">0</td> <td data-bbox="1117 804 1149 898">N/A</td> <td data-bbox="1117 709 1149 804">N/A</td> </tr> <tr> <td data-bbox="1157 898 1190 989">0</td> <td data-bbox="1157 804 1190 898">N/A</td> <td data-bbox="1157 709 1190 804">N/A</td> </tr> <tr> <td data-bbox="1198 898 1230 989">0</td> <td data-bbox="1198 804 1230 898">N/A</td> <td data-bbox="1198 709 1230 804">N/A</td> </tr> <tr> <td data-bbox="1239 898 1336 989">0</td> <td data-bbox="1239 804 1336 898">N/A</td> <td data-bbox="1239 709 1336 804">N/A</td> </tr> </tbody> </table>	Number of Facilities	Number of Inspections	Enforcement Actions	0	N/A	N/A	0	N/A	N/A	0	N/A	N/A	0	N/A	N/A	N/A	N/A	None None None There are no high risk facilities within SIRWCD
Number of Facilities	Number of Inspections	Enforcement Actions																		
0	N/A	N/A																		
0	N/A	N/A																		
0	N/A	N/A																		
0	N/A	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.																			

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																								
	High risk facilities sampled	0	N/A	N/A	There are no high risk facilities within SIRWCD																								
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit. <b>Strengths:</b> The program inventories high risk industry facilities and details required inspection and reporting guidelines. <b>Limitations:</b> No limitations in the program have been identified. <b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.																												
Part III.A.9.a	<b>Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices</b> Employ ITID, NPBCID, SIRWCD Drainage Permit conditions that include the use of stormwater, erosion, and sedimentation control BMPs during construction to reduce pollutants to the MS4 and receiving waters.																												
	Number of drainage permits approved	0	N/A	District Engineer Staff																									
Part III.A.9.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.																												
	<p><b>PERMITTEE SITES: Active construction sites</b></p> <table border="1" data-bbox="850 917 1149 1829"> <tr> <td>4</td> <td>District Log</td> <td>SIRWCD</td> <td>19<sup>th</sup> Plan of Improvement; NRCS Irma Canal Bank Restoration; Canal 2 Culvert Replacement at 175<sup>th</sup> Rd. N.; Canal 2 Culvert Replacement at 176<sup>th</sup> Rd. N.</td> </tr> <tr> <td>81</td> <td>Field Reports</td> <td>District Engineer Staff</td> <td>NRCS and 19<sup>th</sup> POI overlapped with last fiscal year</td> </tr> <tr> <td>100%</td> <td>Field Reports</td> <td>District Engineer Staff</td> <td></td> </tr> <tr> <td>1</td> <td>Field Reports</td> <td>District Engineer Staff</td> <td>LRD Force Main</td> </tr> <tr> <td>15</td> <td>Field Reports</td> <td>District Engineer Staff</td> <td></td> </tr> <tr> <td>100%</td> <td>Field Reports</td> <td>District Engineer Staff</td> <td></td> </tr> </table> <p><b>PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&amp;S and waste control BMPs</b></p> <p><b>PERMITTEE SITES: Percentage of active construction sites inspected</b></p> <p><b>PRIVATE SITES: Active construction sites</b></p> <p><b>PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&amp;S and waste control BMPs</b></p> <p><b>PRIVATE SITES: Percentage of active construction sites inspected</b></p>					4	District Log	SIRWCD	19 <sup>th</sup> Plan of Improvement; NRCS Irma Canal Bank Restoration; Canal 2 Culvert Replacement at 175 <sup>th</sup> Rd. N.; Canal 2 Culvert Replacement at 176 <sup>th</sup> Rd. N.	81	Field Reports	District Engineer Staff	NRCS and 19 <sup>th</sup> POI overlapped with last fiscal year	100%	Field Reports	District Engineer Staff		1	Field Reports	District Engineer Staff	LRD Force Main	15	Field Reports	District Engineer Staff		100%	Field Reports	District Engineer Staff	
4	District Log	SIRWCD	19 <sup>th</sup> Plan of Improvement; NRCS Irma Canal Bank Restoration; Canal 2 Culvert Replacement at 175 <sup>th</sup> Rd. N.; Canal 2 Culvert Replacement at 176 <sup>th</sup> Rd. N.																										
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100%	Field Reports	District Engineer 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.9.c	Construction Site Runoff — Site Operator Training	0			
	Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).				
	Permittee construction site inspectors	2	Certificate	FDEP	Amy Eason and Craig Ford
	Permittee construction site plan reviewers	0	N/A	N/A	N/A
	Permittee construction site operators	0	N/A	N/A	N/A
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
<b>Part III.A.9 Summary</b>	<p><b>Strengths:</b> The program requires regular inspection of both SIRWCD and private construction projects with documentation of said inspections. When deficiencies in the construction site erosion control measures are noted follow up inspections are conducted to document compliance</p> <p><b>Limitations:</b> No limitations in the program have been identified.</p> <p><b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.</p>				

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

A.	<p>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.</p> <p>N/A</p> <p>No changes proposed</p>
B.	<p>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)</p> <p>N/A</p> <p>No changes proposed</p>

**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.

*Regarding the Pollution Reduction Plan for fecal coliform for the Southwest Fork of the Loxahatchee River, it should be noted that SIRWCD is identified as a stakeholder because Egret Landing (666 acres) was originally shown within the WBID 3226C drainage boundary. However, Egret Landing discharges into the C-18 WBID 3234, which has now been amended to include Egret Landing, and is designated 3234A. Egret Landing drains through Palm Beach Country Estates which discharges to an outfall canal located in the C-18 WBID 3234A which discharges downstream of S-46. Additionally, Egret Landing is on sewer rather than septic tanks.*

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
			<input type="checkbox"/> / <input type="checkbox"/>				(Year 3 AR)	(Year 4 AR; N/A if BPCP)
			<input type="checkbox"/> / <input type="checkbox"/>					
			<input type="checkbox"/> / <input type="checkbox"/>					

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

**Year 3:** Submit a Monitoring data summary or BPCP (if applicable). N/A - See attached comments in the Bacterial Control Plan Attachment

**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
		(Year 3 AR)	(Year 4 AR; N/A if BPCP)	See PBC Joint Annual Report

**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):

*South Indian River Water Control District*  
 MS4 Permit No. FLS000018-004  
 Water Quality Assessment Report  
 2018-2019 – Year 3

Overview

The purpose of this assessment program is to provide information for the South Indian River Water Control District (SIRWCD) 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. The objective of the Pollutant Loading Estimate Plan is to estimate Pollutant Loading from the MS4 contributing area based on land uses and Best Management Practices (BMPS).

SIRWCD consists primarily of low-density residential land uses. The SIRWCD’s major outfalls serve drainage areas which discharge to the Northwest Fork of the Loxahatchee River via the SIRWCD C-14 Canal and the Southwest Fork of the Loxahatchee River via the Turnpike East Borrow Canal.

Water Quality Monitoring

Monitoring Locations

Based on the location of the outfalls of the MS4, two (2) monitoring stations were originally selected SW-4 and SW-D. However, recently we discovered that the Loxahatchee River District (LRD) has ceased sampling operations downstream of SW-4. Therefore, data from an additional SIRWCD sampling point, SW 1-2, is being used to compare results with LRD. LRD has a monitoring station downstream of SW 1-2, and graphs comparing the sampling results are included in this report. The following table identifies these monitoring stations, along with relevant information about each location.

**MS4 Monitoring Station Table**

Monitoring Station No.	Location Description	Latitude/ Longitude	Receiving Water Body	Verified Impaired	Adopted TMDL?
SW-4	Upstream of MS4 outfall control structure on Canal 4 which discharges to Canal 14	26°55'11.82"N 80°11'28.38"W	NW Fork of Loxahatchee River	No	No
SW-D	Upstream of MS4 outfall control structure on Canal D which discharges to the Turnpike West Borrow Canal	26°54'13.47"N 80°08'27.05"W	SW Fork of Loxahatchee River	Yes	Yes
SW 1-2	Upstream of MS4 outfall control structure on Canal 2 which discharges to Canal 2	26°56'5.24"N 80°11'30.12"W	NW Fork of Loxahatchee River	No	No
WCS-2	Downstream of MS4 outfall control structure on Canal 2 which discharges to Canal 2	26°55'58.64" N 80°10'52.34" W	NW Fork of Loxahatchee River	No	No

Monitoring Station SW-4 serves an area of 1120 acres, SW 1-2 serves an area of 3440 acres, and SW-D serves an area of 2,167 acres of Palm Beach Country Estates west of the Turnpike. Land use for the basins is mainly Low Density Residential (< 3 dwelling units per acre), that is zoned Agricultural Residential. The locations of the monitoring stations are shown on the attached figure.

Trendline graphs of the annual geometric mean values were prepared for TP, TN, Chlorophyll-a and Fecal Coliform for the period from 2011-2019. The data was not evaluated to determine any irregularities. All the sample data was utilized in calculating the annual geometric mean. The SW-4 graphs indicate slight downward trends in TP and TN and a very slight, insignificant, upward trend in Chlorophyll-a at Station SW-4. Fecal Coliform also trended upward, mainly due to a high annual geometric mean in 2018.

At Station SW-D, there was a very slight, insignificant, upward trend in TP, while TN, Chlorophyll-a and Fecal Coliform all had downward trends.

At Station SW 1-2, there was a very slight, upward trend for TP, Chlorophyll-a, and Fecal Coliform. However, there was a slight downward trend for TN. Additionally, trend graphs were prepared comparing the annual geometric mean values for TP, TN, Chlorophyll-a and Fecal Coliform for the period from 2011-2019 at SW 1-2 with Loxahatchee River District’s monitoring station, WCS2, located downstream of the structure on Canal 2. Other than for TP, where both stations show a very slight upward trend. There is not much correlation between the upstream and downstream monitoring results.

### Pollutant Loading Estimate

The Palm Beach County MS4 permittee group developed pollutant loading estimates during the 3<sup>rd</sup> year of this permit cycle, using the SIMPLE protocol. The group provided each permittee with pollutant loading estimates that reflect their respective MS4 areas. The group’s estimated pollutant loading results, based on land use and BMPs, was provided to each permittee for use in this assessment effort. The results are summarized in the table below and include a 6% reduction for public education as allowed by FDEP. The Palm Beach County MS4 Group conducts public outreach programs throughout the year.

South Indian River Water Control District Pollutant Loads (lbs/yr)						
	BOD <sub>5</sub>	TSS	TP	TN	Cu	Zn
2013	187,758	306,714	11,131	228,807	389	1,389
2018	189,438	302,160	11,115	229,054	388	1,398
After 6% Reduction	178,072	284,030	10,448	215,311	365	1,314
	9,686	22,684	683	13,496	24	75
Total Reduction	5.1%	7.3%	6.1%	5.9%	6.2%	5.4%

The pollutant loading estimates indicate lower pollutant loadings over the past two permit cycles. SIRWCD's estimated pollutant loads make up 36.52% of the MS4 total load within the Loxahatchee Watershed and the combined MS4 area within the Loxahatchee Watershed represents 56.61% of the total basin loads.

## Evaluation and Response Plan

The first Annual Water Quality Assessment Report was prepared concurrent with the Year 3 Annual Report Form (March 2020). The pollutant loading estimates developed during Year 3 of the permit cycle have been reviewed and compared with the previous permit cycle, with respect to our MS4. In addition, water quality trending graphs for various parameters were prepared based on water quality data collected over the past nine years and have been reviewed and summarized. Additionally, the SIRWCD monitoring data for SW 1-2 was compared to the LRD data for WCS-2 collected downstream of the outfall structure on Canal 2 for the same period as a check.

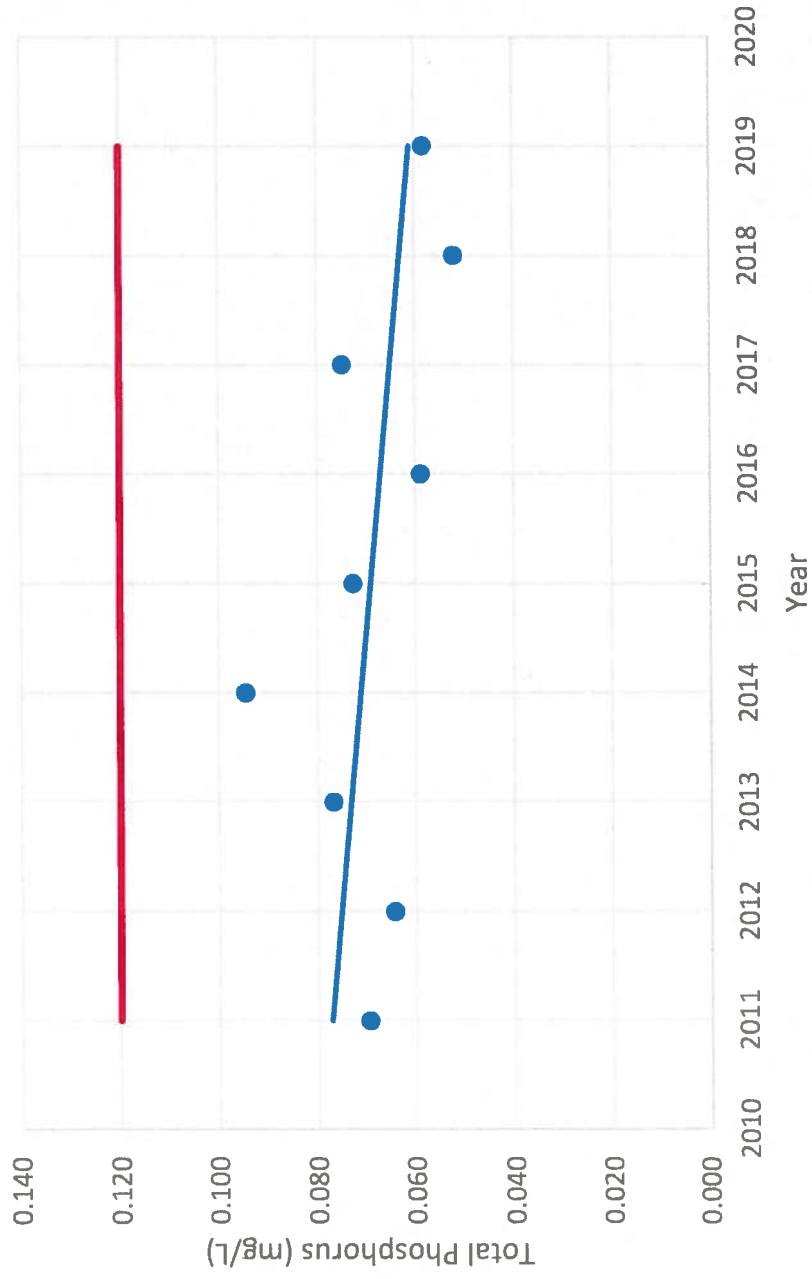
Based on the data from the water quality monitoring and pollutant loading estimates, there is a general reduction in nutrients. Therefore, based on the evaluation herein, it can be concluded that SIRWCD's Stormwater Management Programs (litter control, public education, maintenance and construction inspections, etc.) are effective, and as a result, SIRWCD is not proposing any areas of the MS4 that need further improvement in load reduction.

Regarding the Pollution Reduction Plan for fecal coliform for the Southwest Fork of the Loxahatchee River, it should be noted that SIRWCD is identified as a stakeholder because Egret Landing (666 acres) was originally shown within the WBID 3226C drainage boundary. However, Egret Landing discharges into the C-18 WBID 3234, which has now been amended to include Egret Landing, and is designated 3234A. Egret Landing drains through Palm Beach Country Estates which discharges to an outfall canal located in the C-18 WBID 3234A which discharges downstream of S-46. Additionally, Egret Landing is on sewer rather than septic tanks.

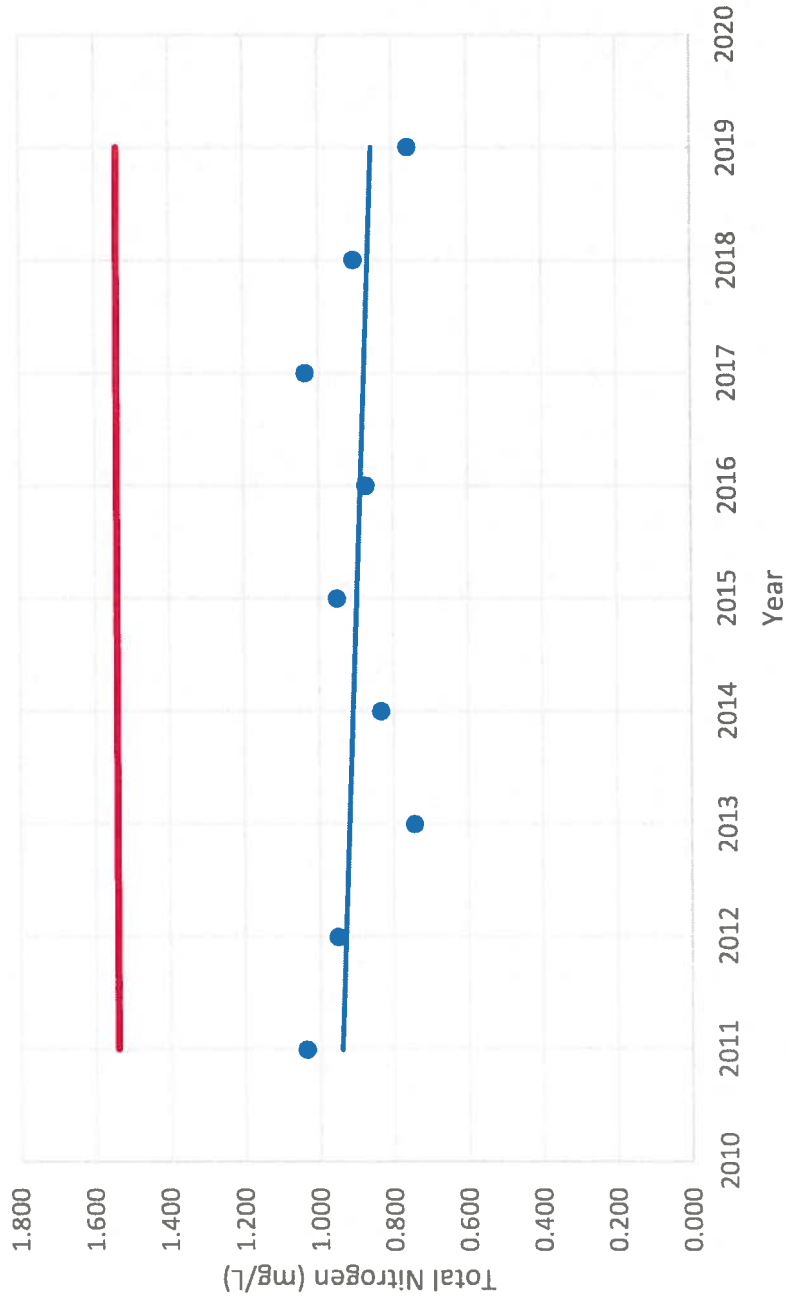


Water Quality Monitoring Locations

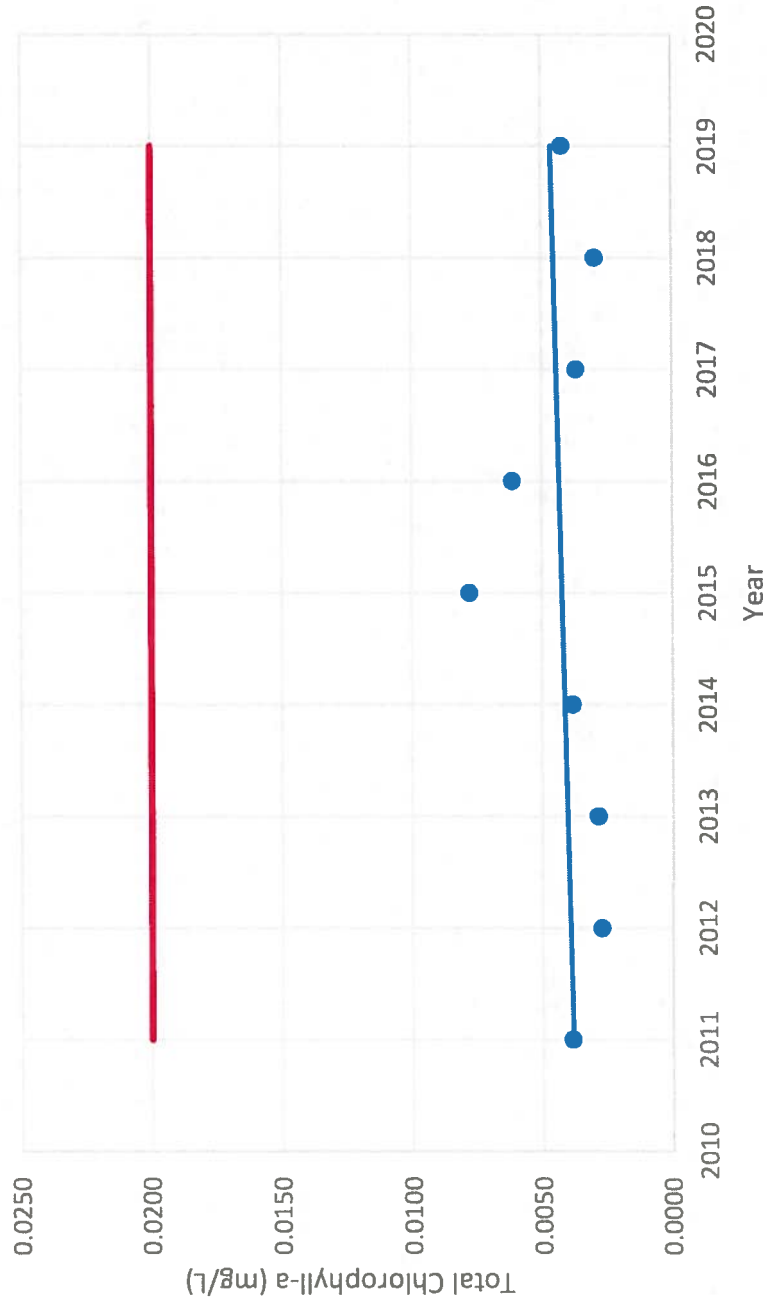
SW-4: Phosphorus Annual Geometric Mean



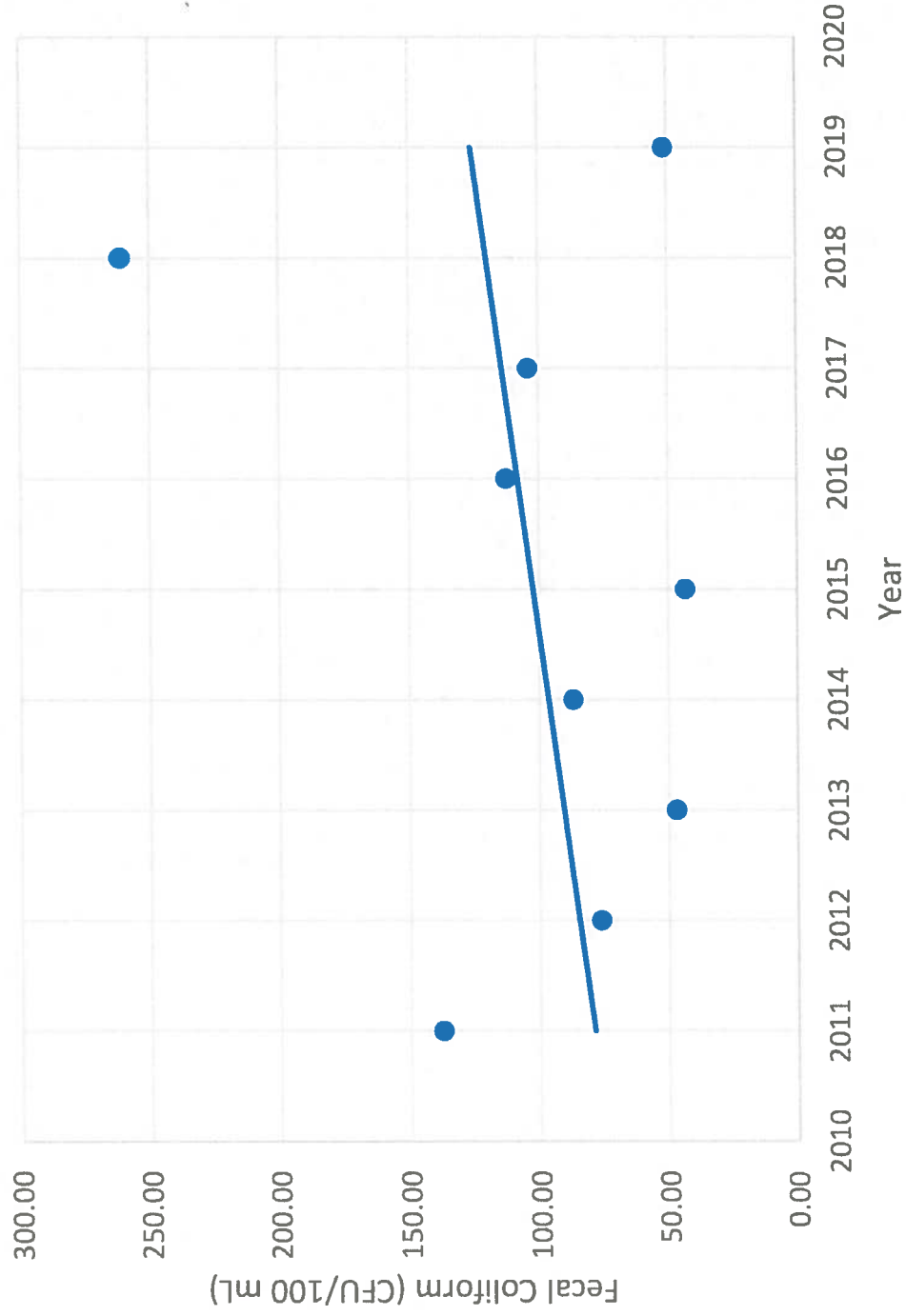
SW-4: Nitrogen Annual Geometric Mean



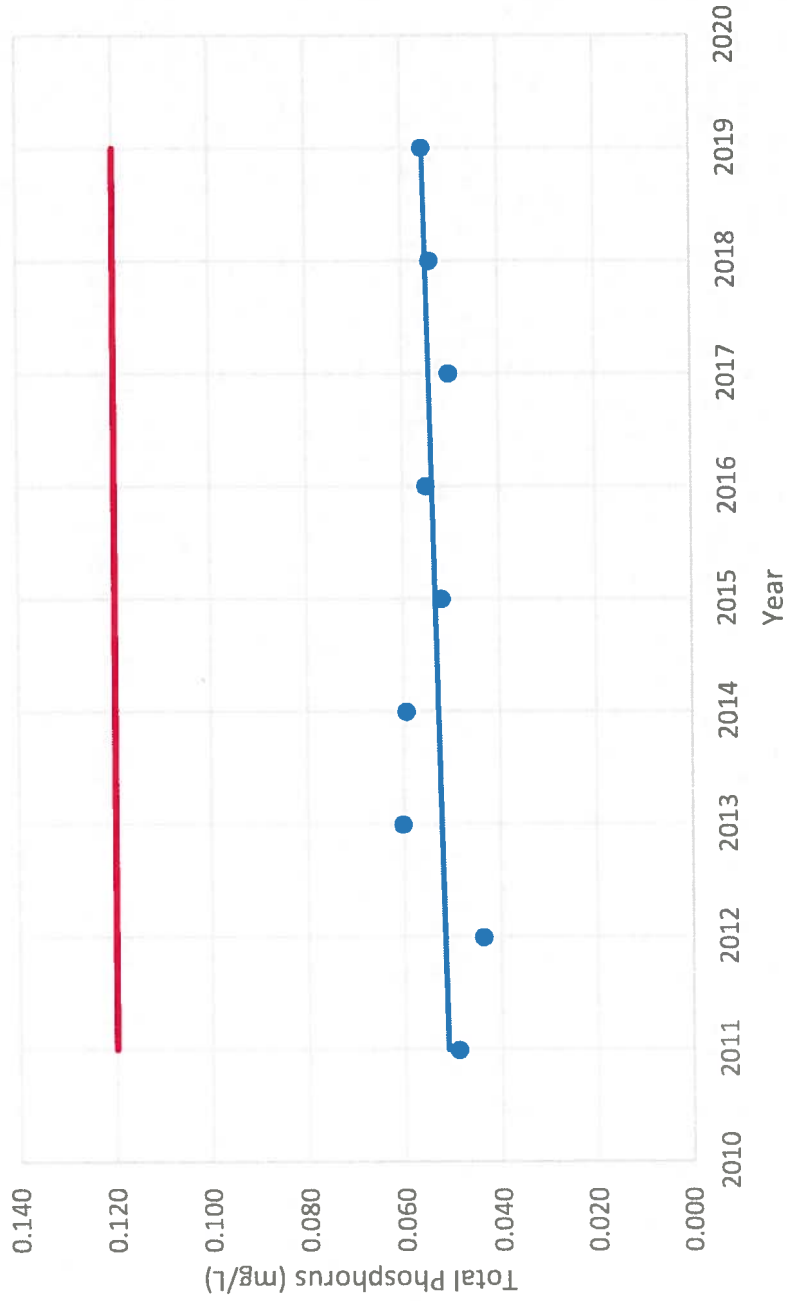
SW-4: Chlorophyll-a Annual Geometric Mean



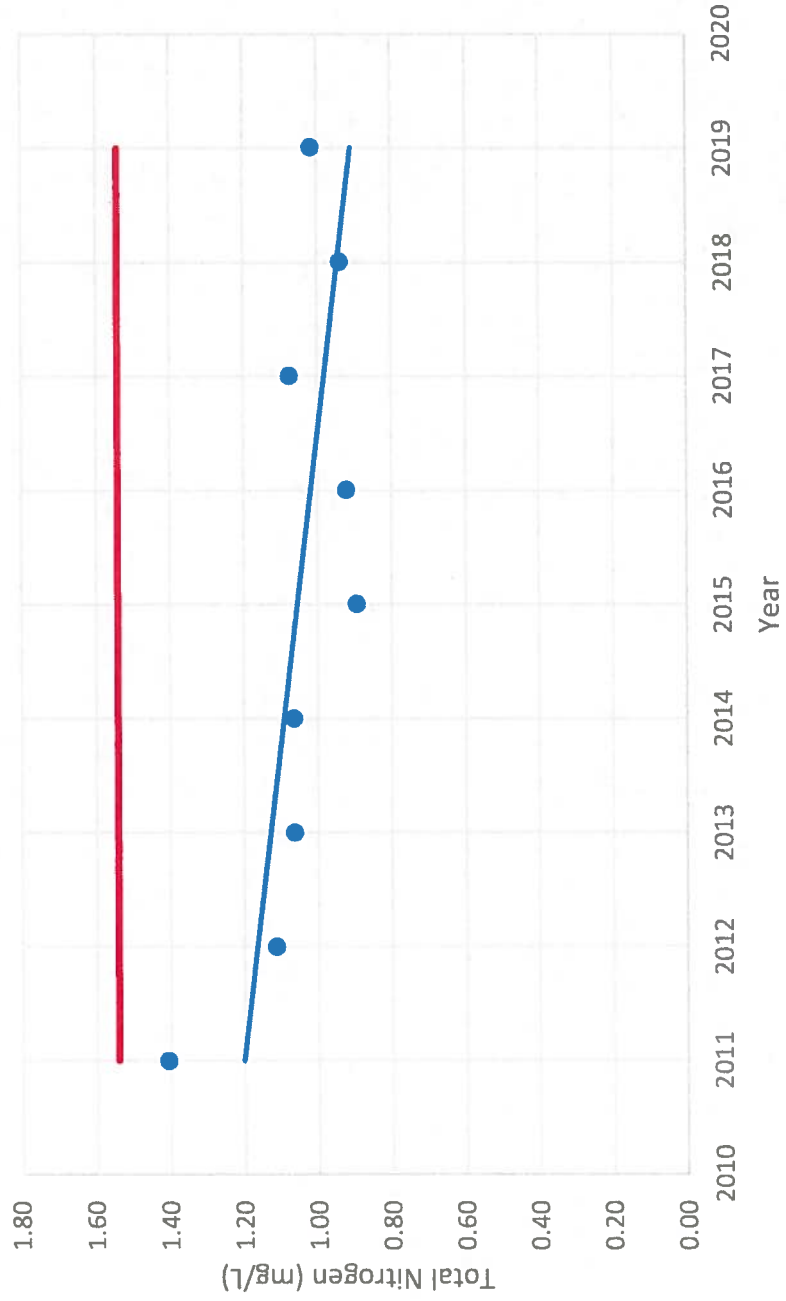
SW-4: Fecal Coliform Annual Geometric Mean



### SW-D: Phosphorus Annual Geometric Mean



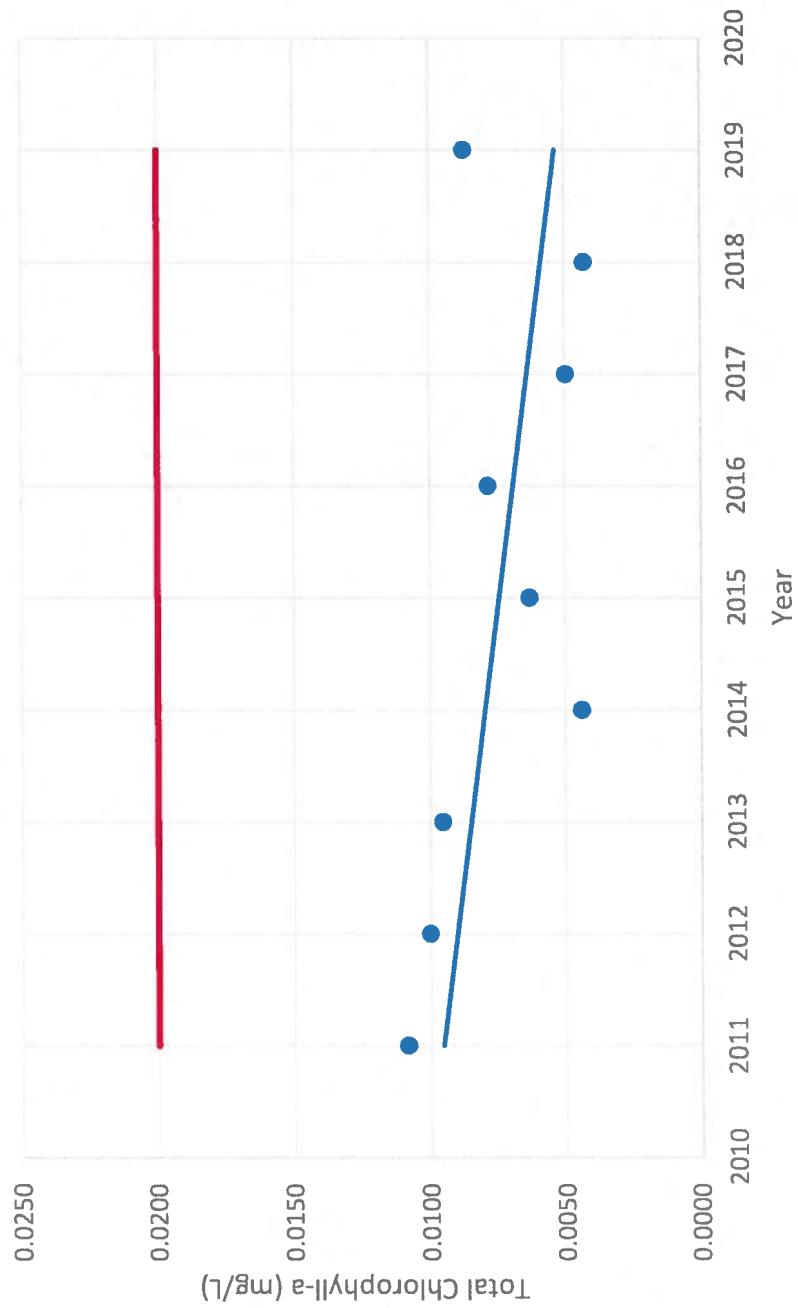
### SW-D: Nitrogen Annual Geometric Mean



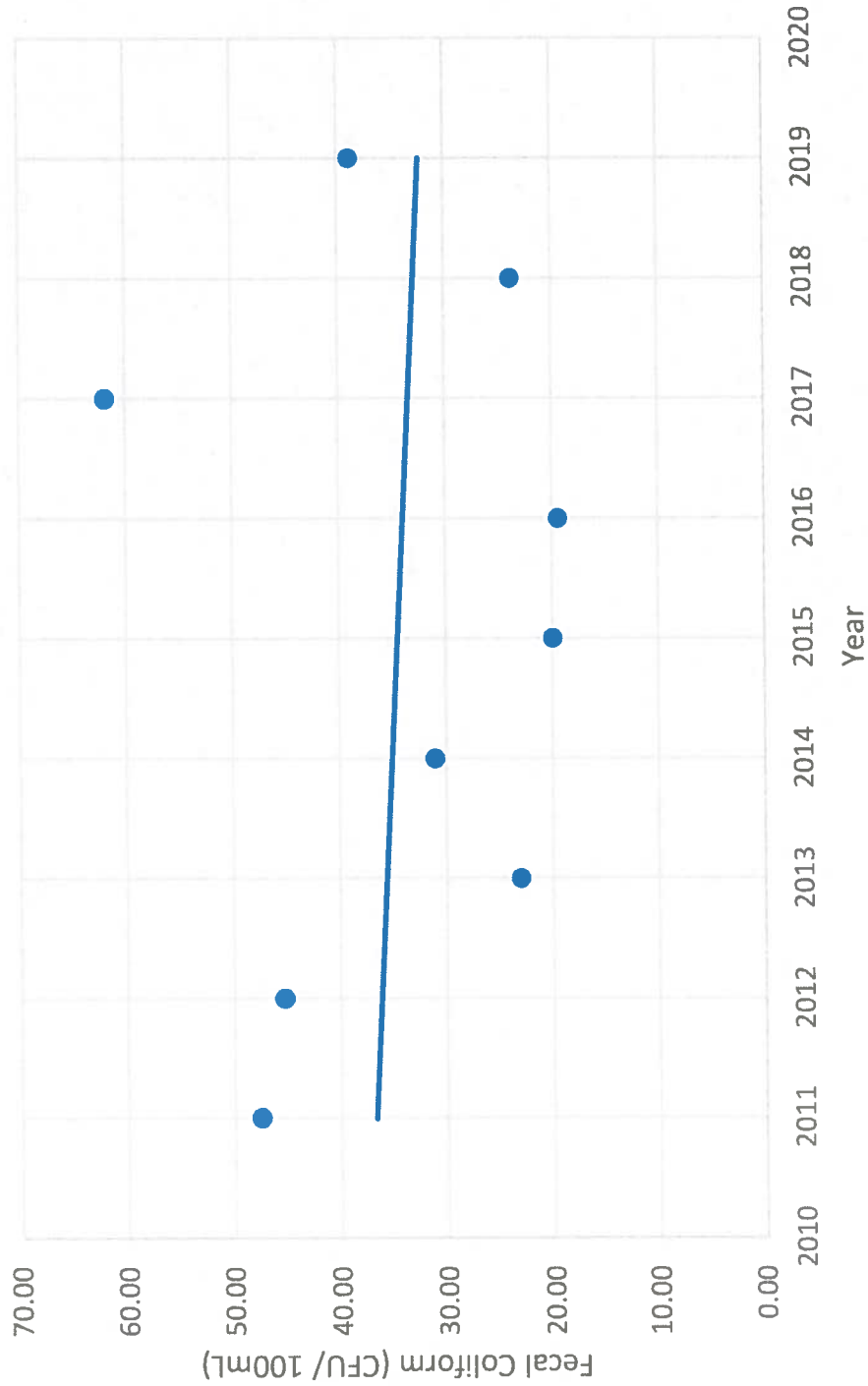
● Geometric Mean

— Numeric Nutrient Criteria

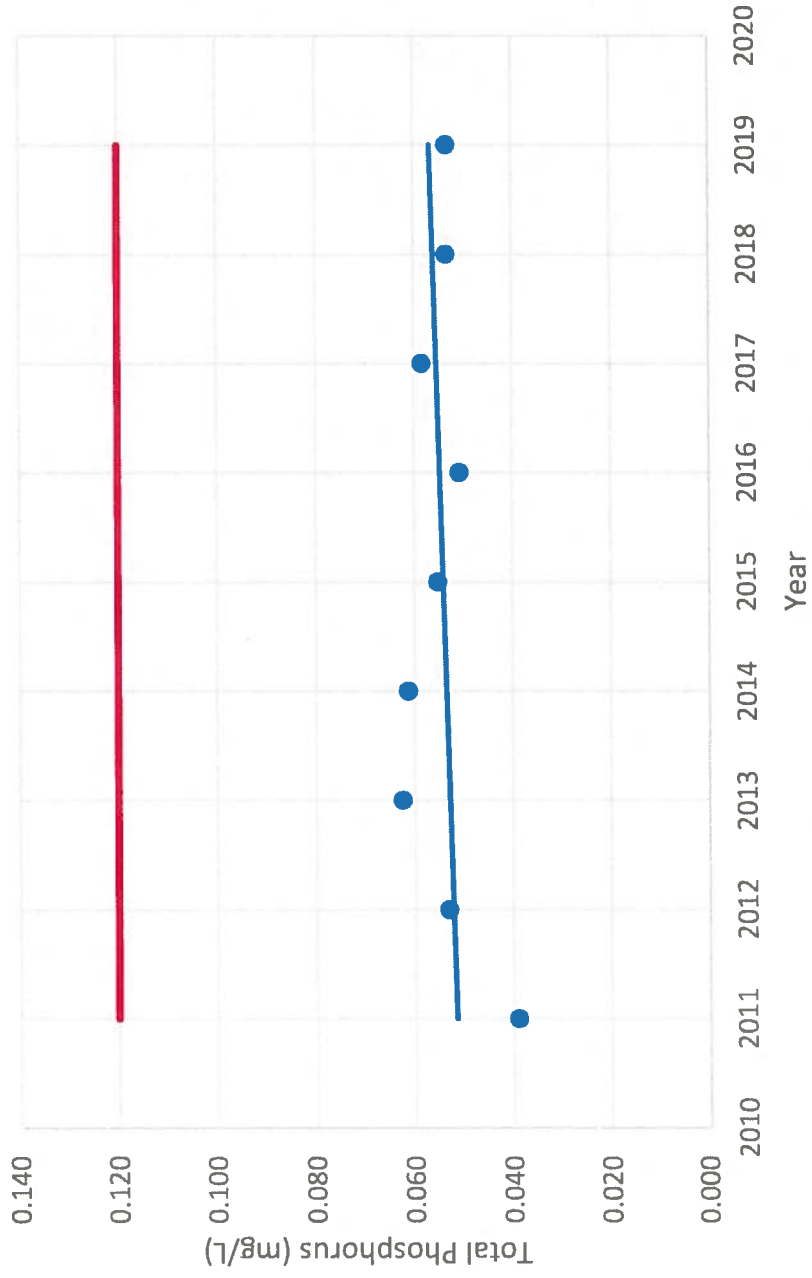
### SW-D: Chlorophyll-a Annual Geometric Mean



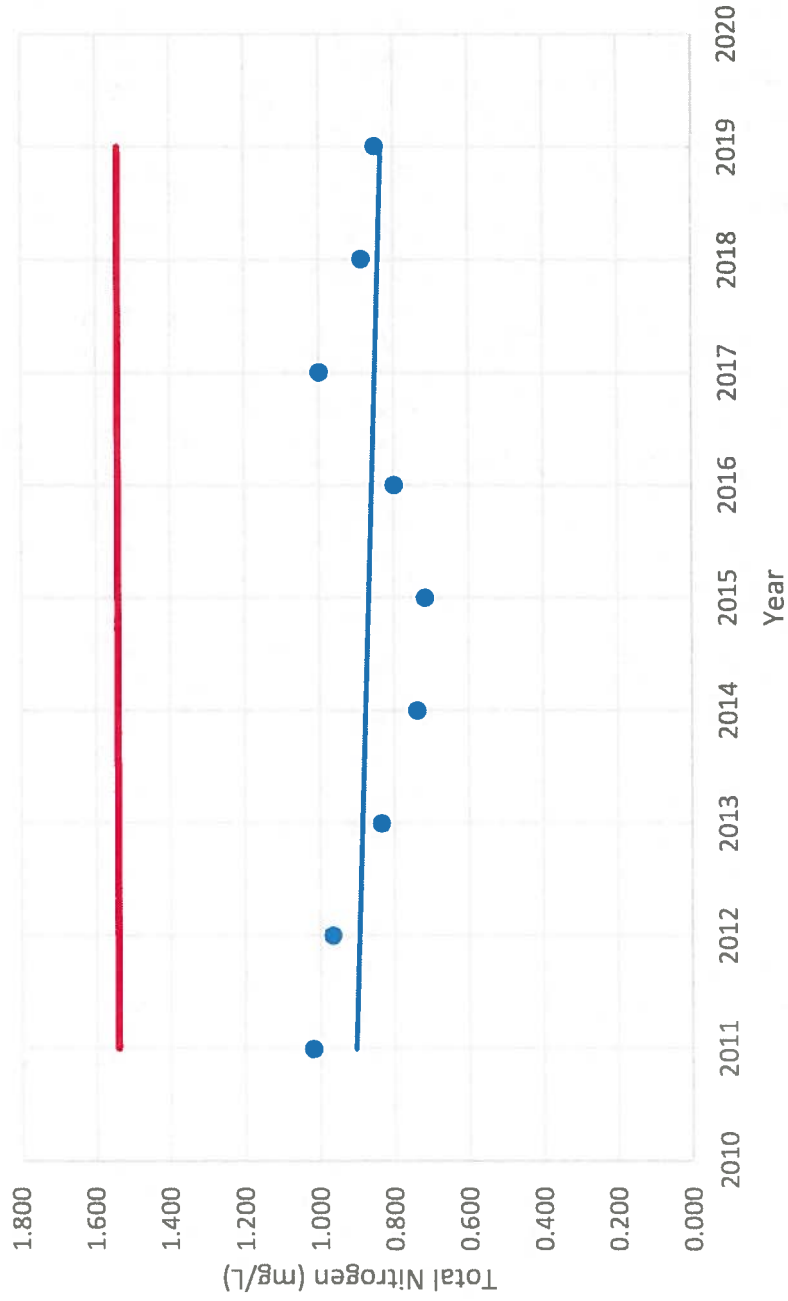
SW-D: Fecal Coliform Annual Geometric Mean



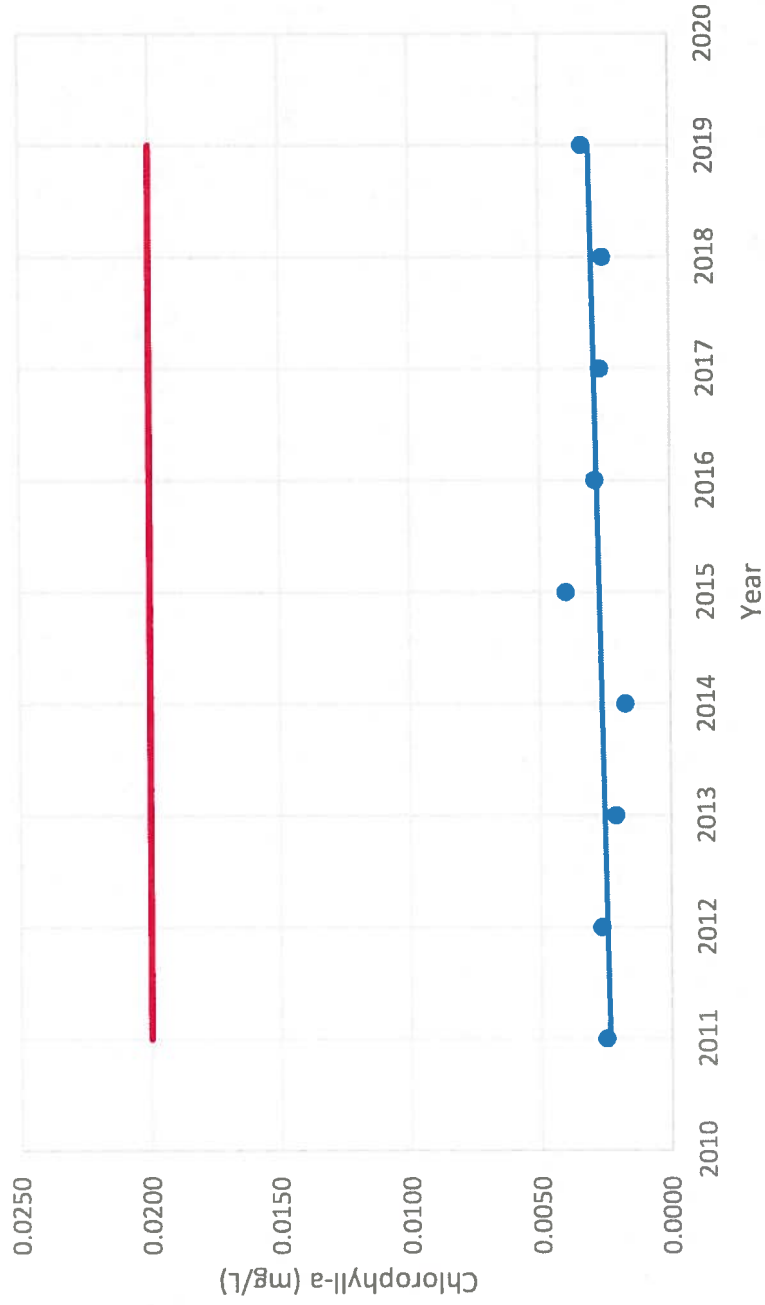
SW-1-2: Phosphorus Annual Geometric Mean



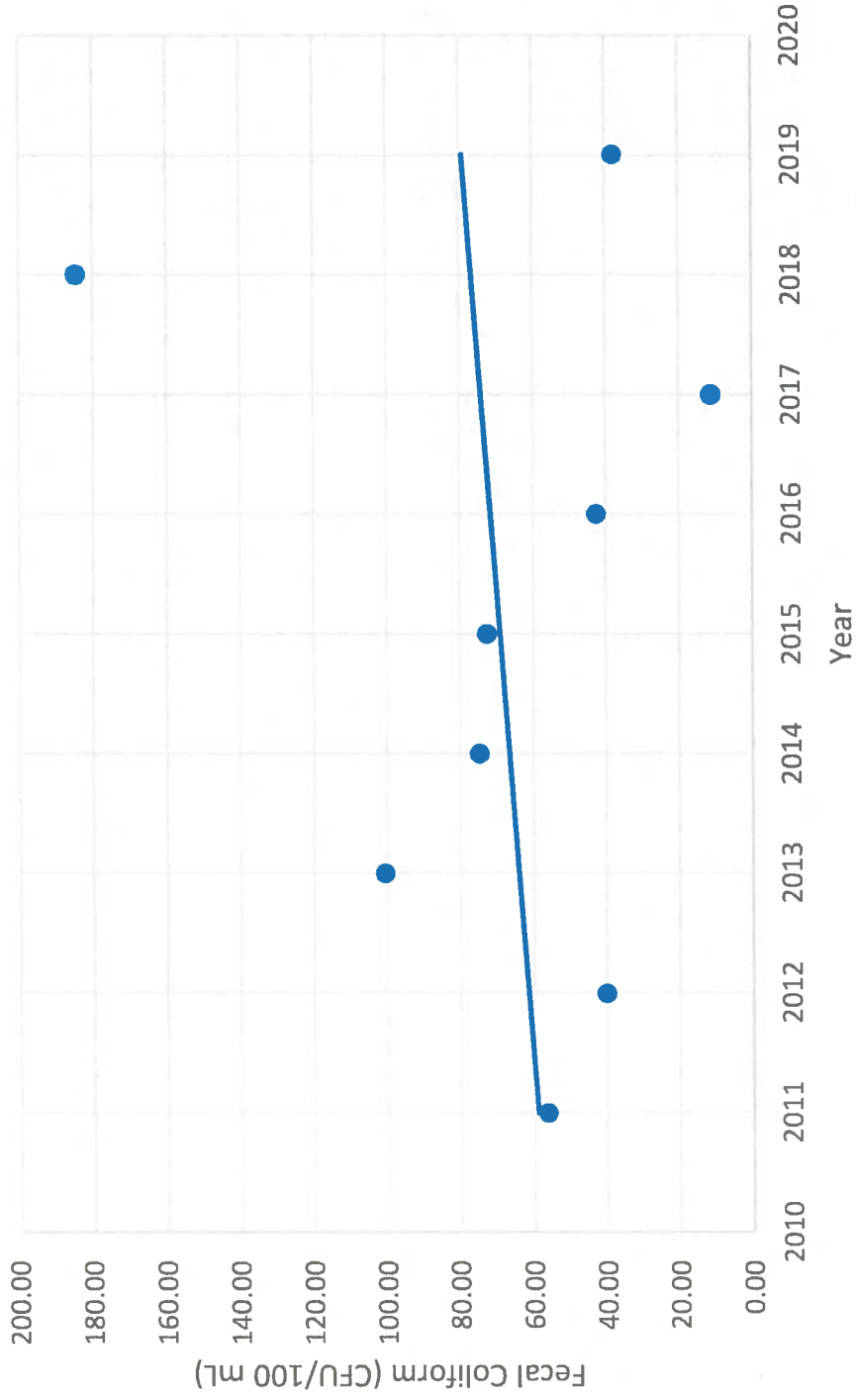
SW-1-1-2: Nitrogen Annual Geometric Mean



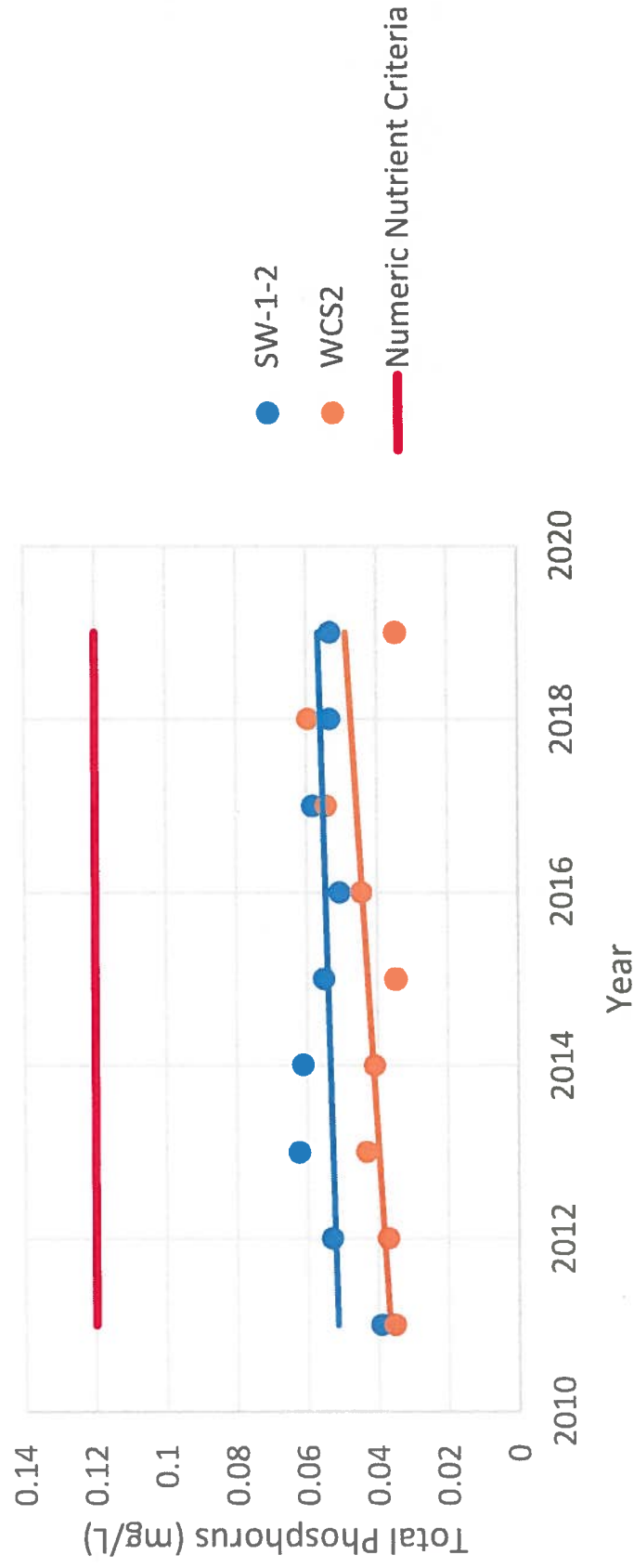
SW-1-2: Chlorophyll-a Annual Geometric Mean



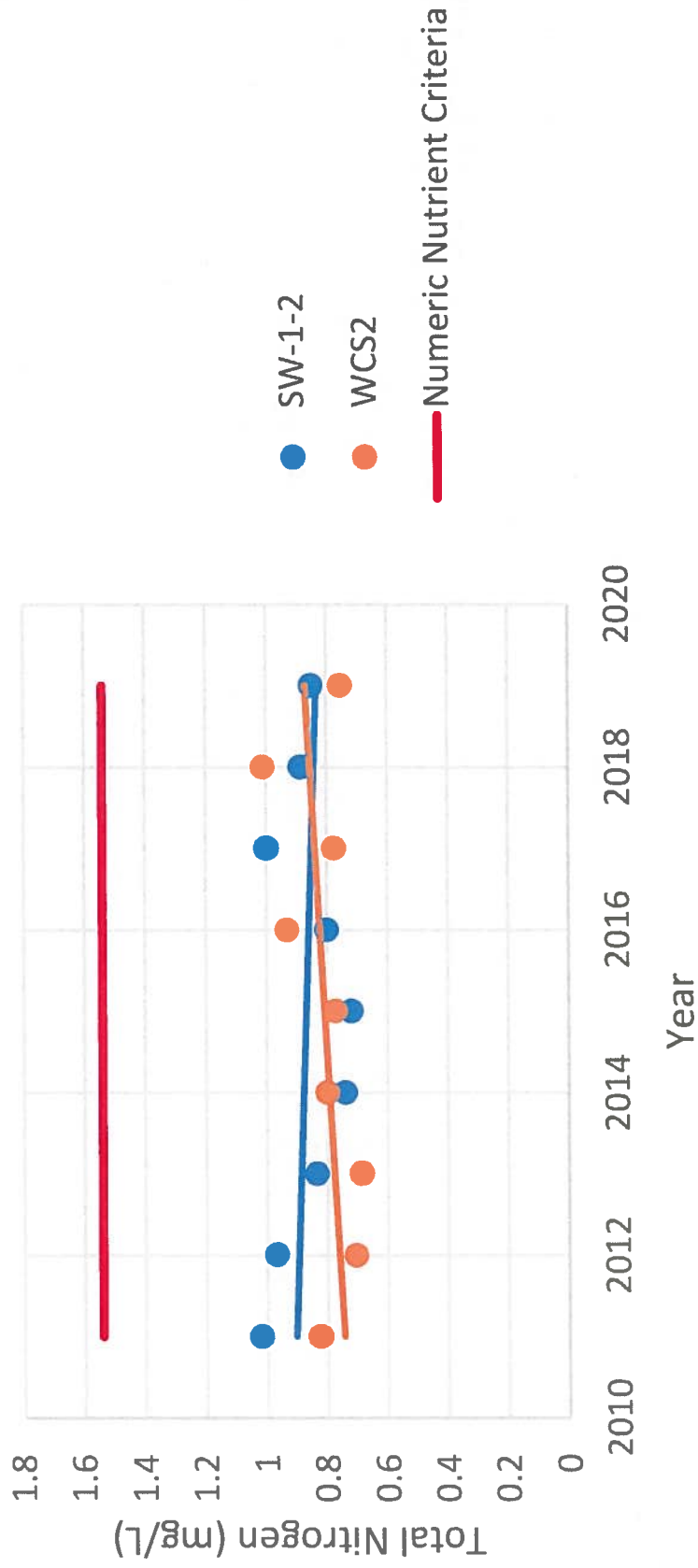
SW-1-2: Fecal Coliform Annual Geometric Mean



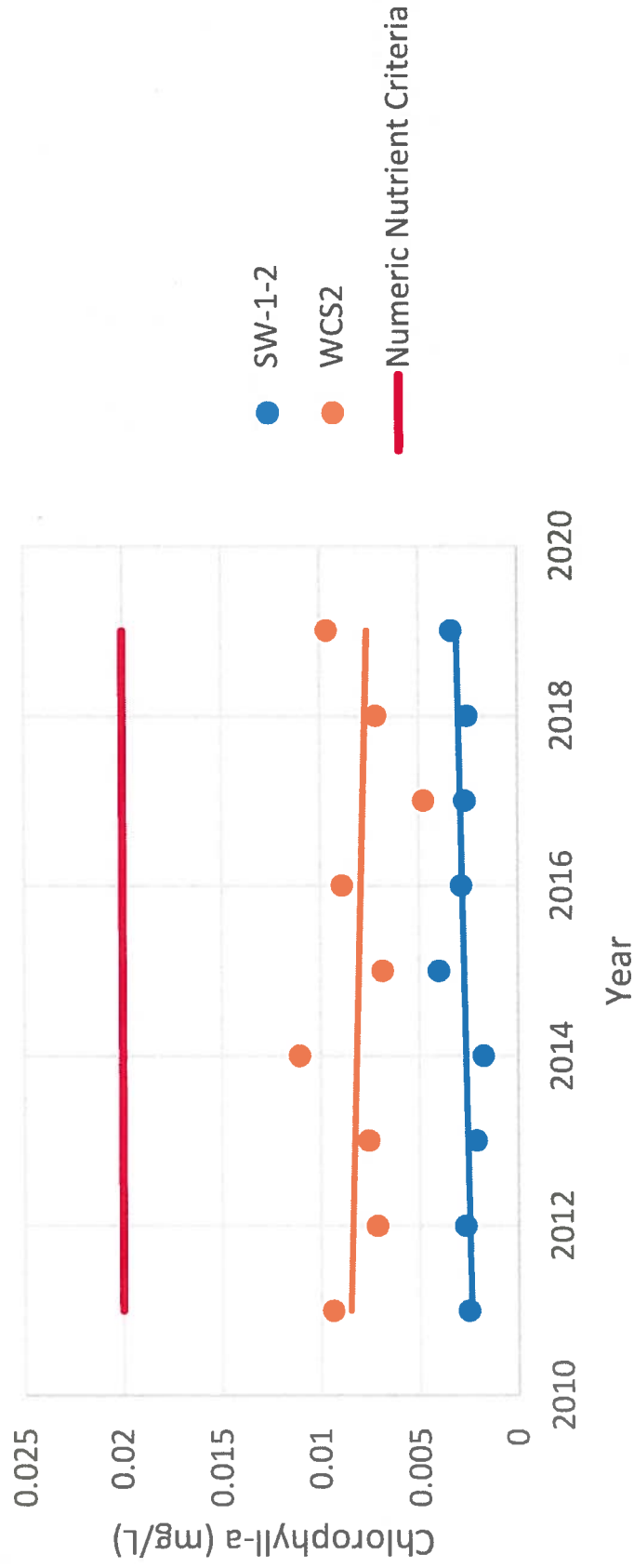
# Total Phosphorus Comparison: SW-1-2 and WCS2



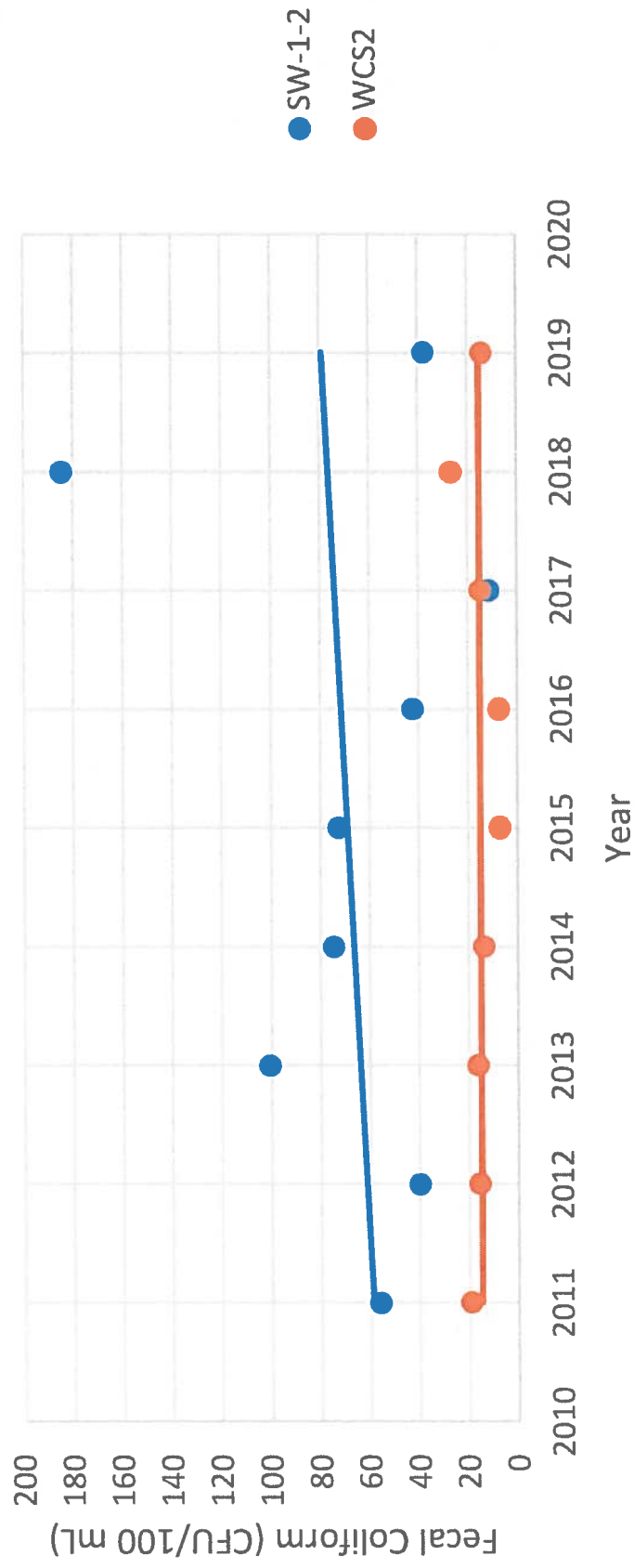
# Total Nitrogen Comparison: SW-1-2 and WCS2



# Chlorophyll-a Comparison: SW-1-2 and WCS2



# Fecal Coliform Comparison: SW-1-2 and WCS2



*South Indian River Water Control District*  
MS4 Permit No. FLS000018-004  
Bacterial Control Plan  
2018-2019 – Year 3

Regarding the Pollution Reduction Plan for fecal coliform for the Southwest Fork of the Loxahatchee River, it should be noted that SIRWCD is identified as a stakeholder because Egret Landing (666 acres) was originally shown within the WBID 3226C drainage boundary. However, Egret Landing discharges into the C-18 WBID 3234, which has now been amended to include Egret Landing, and is designated 3234A. Egret Landing drains through Palm Beach Country Estates which discharges to an outfall canal located in the C-18 WBID 3234A which discharges downstream of S-46. Additionally, Egret Landing is on sewer rather than septic tanks. Therefore, at this time no Bacterial Control Plan is needed for Egret Landing.