



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/. 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

A.	Permittee Name: Town of Ocean Ridge		
B.	Permit Name: Palm Beach County MS4		
C.	Permit Number: FLS000018-004		
D.	Annual Report Year: <input type="checkbox"/> Year 1 <input checked="" type="checkbox"/> Year 2 <input type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:		
E.	Reporting Time Period (month/year): 10 / 2017 through 9 / 2018		
F.	Name of the Responsible Authority: Tracey Stevens		
	Title: Town Manager		
	Mailing Address: 6450 North Ocean Blvd		
	City: Ocean Ridge	Zip Code: 33435	County: Palm Beach
	Telephone Number: (561) 732-2635		Fax Number: (561) 737-8359
E-mail Address: tstevens@oceanridgeflorida.com			
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Maryori Velasco, Engenuity Group, Inc.		
	Title: Project Engineer		
	Department: Engineering		
	Mailing Address: 1280 North Congress Ave., Suite 101		
	City: West Palm Beach	Zip Code: 33409	County: Palm Beach
Telephone Number: (561) 655-1151		Fax Number: (561) 832-9093	
E-mail Address: MVelasco@engenuitygroup.com			

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

A.	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.	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)
C.	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

	<p>Provide a brief statement as to the status of water quality monitoring plan implementation. Status may include sampling frequency changes, monitoring location changes, or sampling waiver conditions. <i>DEP Note: If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.</i></p> <p>Name and date of the approved plan: Current approval of the Group Monitoring Plan is September 8, 2016 (with issuance of the Cycle 4 permit). Individual Assessment Plan was submitted in September 2017.</p>
A.	<p>Status: The Group Monitoring Report is included in the Cycle 4 Joint Annual Report. Our individual Assessment Plan is awaiting approval by FDEP.</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>Please refer to the Cycle 4, Year 2 Joint Annual Report for a summary of the Group's water quality monitoring results for the reporting period. Refer to the Cycle 3, Year 6 Joint Annual Report for proposed pollutant loading analysis changes. The best available information on existing pollutant loading estimates is documented in the Cycle 3, Year 3 Joint Annual Report.</p> <p>See provided YR2 Assessment Report.</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 response for Section III.B above.</p>

SECTION IV. FISCAL ANALYSIS

A.	<p>Total expenditures for the NPDES stormwater management program for the current reporting year: \$136,200.00</p>
B.	<p>Total budget for the NPDES stormwater management program for the subsequent reporting year: \$149,900.00</p>
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>

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 type="checkbox"/>	<input checked="" 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	
<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 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	Review of Local Codes - Ocean Ridge
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.	Part V.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
<input 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"> • The monitoring plan (with revisions, if applicable). • If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate. 	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): Tracey Stevens

Title: Town Manager

Signature:  Date: 4/4/2019

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.					C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity					Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.1	Structural Controls and Stormwater Collection Systems Operation								
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 Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained			
Dry retention systems		34	34	100	0	100	Dry Retention systems Inspection Procedure Form	Public Works Department	Maintenance performed when needed
Exfiltration trench / French drains (lf)		43	43	100	0	100	Exfiltration trench/French drains Structural Control Inspection	Public Works Department	Maintenance performed when needed
Percolation boxes		2	2	100	0	100	Percolation Boxes Structural Control Inspection	Public Works Department	Maintenance performed when needed
pump stations		2	4	100	0	100	Stormwater Pump Station Inspection Procedure Form	Public Works Department	Maintenance performed when needed
Major outfalls		3	3	100	0	100	Major Stormwater Outfall Structural Control	Public Works Department	Maintenance performed when needed

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity					Number of Activities Performed		Documentation / Record	Entity Performing the Activity	Comments
	pipes / culverts (miles)	4	4	100	0	100	Inspection Pipes / Culverts Control Inspection	Public Works Department	Maintenance performed when needed	
		Inlets / catch basins / grates	221	221	100	0	100	Roadway Catch Basin Inspections/illi cit Detection Structural Control Inspection	Public Works Department	Maintenance performed when needed
	Ditches / conveyance swales (miles)		12.30	12.30	100	0	100	Conveyance Ditch and Swale system Structural Control Inspection	Public Works Department	Maintenance performed when needed
	<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>					<input type="checkbox"/>				All met

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.1 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Structures are checked at least weekly and more often if necessary. An outside company checks our generators quarterly.				
	Limitations: None.				
	SWMP revisions implemented to address limitations: None.				
Part III.A.2	Areas of New Development and Significant Redevelopment				
	Report the number of significant development projects, including new and redevelopment, reviewed and approved by the permittee for post-development stormwater considerations.				
	Number of significant development projects reviewed	0	None	None	No significant redevelopment projects have been reviewed nor approved
	Number of significant development projects approved	0	None	None	
	Provide in the Year 2 Annual Report the summary report of the review activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation.				
	Year 2 ONLY: Attach the summary report of the review activity	<input checked="" type="checkbox"/>			
	Year 4 ONLY: Attach the follow-up report on plan implementation	<input type="checkbox"/>			
Part III.A.2 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: There has been no significant redevelopment in the Town. The building has been sporadic individual homes and rehabs.				
	Limitations: None.				
	SWMP revisions implemented to address limitations: None.				
Part III.A.3	Roadways				
	Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected. <i>Note: If the permittee does not contract activities, delete CONTRACTOR activities.</i>				
	PERMITTEE Litter Control: Frequency of litter collection	Continual	Litter Control Program	Public Works Department	None
	PERMITTEE Litter Control: Estimated amount of area maintained (lf)	18	R.O.W. Map	Public Works Department	None
	PERMITTEE Litter Control: Estimated amount of litter collected (cy)	112 Bags	Litter Control Program	Public Works Department	Estimated one bag per week
	CONTRACTOR Litter Control: Frequency of litter collection	0	None	None	None
	CONTRACTOR Litter Control: Estimated amount of area maintained (lf)	0	None	None	None
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	0	None	None	None
	OPTIONAL: If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected. If you do not participate in an Adopt-A-Road program, report "0".				
	Trash Pick-up Events: Total miles cleaned	0	None	None	No event this

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Trash Pick-up Events: Estimated amount of litter collected (cy)	0	None	None	year No event this year
	Adopt-A-Road: Total miles cleaned	0	None	None	None
	Adopt-A-Road: Estimated amount of litter collected (cy)	0	None	None	None
	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.				
	Frequency of street sweeping	Quarterly	Street Sweeping Program and Invoices	All American Sweeping, Inc.	None
	Total miles swept	72	R.O.W. Map	All American Sweeping, Inc.	18 miles swept 4 times a year
	Estimated quantity of sweeping material collected (cy / tons)	15	Invoices	All American Sweeping, Inc.	Storm clean up Hurricane Irma
	Total phosphorous loadings removed (pounds)	12	Florida Stormwater Association Street Sweeping Nutrient Removal Spreadsheet	Public Works Department	None
	Total nitrogen loadings removed (pounds)	19	Florida Stormwater Association Street Sweeping Nutrient Removal Spreadsheet	Public Works Department	None
	Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.				
	Name of Facility	Number of Inspections			
		0	None	None	The Town of Ocean Ridge does not have any of this facilities

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: All roads in the Town are paved. They are overlaid as needed. Each year we overlay as many as the budget allows.				
	Limitations: None.				
Part III.A.4	Flood Control Projects				
	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.				
	Flood control projects completed during the reporting period	0	Five Year Capital Improvement Plan	Public Services	None were completed this year
	Flood control projects completed that did <u>not</u> include stormwater treatment	0	Five Year Capital Improvement Plan	Public Services	None
	Stormwater retrofit projects planned/under construction	0	None	None	None
	Stormwater retrofit projects completed	0	None	None	None
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"/>	None	None	None	
Part III.A.4 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The flood control development in the south end of Town is working perfectly.				
	Limitations: None.				
	SWMP revisions implemented to address limitations: None.				

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A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.5	Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit				
	Report the applicable facilities and the number of the inspections conducted for each facility.				
	Name of Facility	Number of Inspections			
		0	None	None	The Town of Ocean Ridge does not have any of this facilities
Part III.A.5 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The Town does not operate any waste treatment facilities.				
	Limitations: None.				
	SWMP revisions implemented to address limitations: None.				
Part III.A.6	Pesticides, Herbicides, and Fertilizer Application				
	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.				
	PERSONNEL: FDACS public applicators of pesticides/herbicides	0	None	None	Applied by contractors
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	2	Public Health Applicator License	Florida Department of Agriculture and Consumer Services	Darrel Bagiotti Eric Fanelli
	PERSONNEL: Green Industry BMP Program training completed	0	None	None	No fertilizer applied by the contractor
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	0	None	None	No fertilizers are applied
	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.				
	Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance	<input checked="" type="checkbox"/>			See MS4 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).				

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A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	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.			
Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: All spraying is done by a landscape company that is state certified for spraying. Town employees do not apply any spraying. The main spraying is for no-see-ums and white fly.				
	Limitations: None.				
	SWMP revisions implemented to address limitations: None.				
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"/>			
Part III.A.7.c	Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal				
	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	249	Proactive Illicit Discharge/Illegal Connection Inspection Form	Public Works Department	Performed along with the Structural Control Inspections
	Illicit discharges found during a proactive inspection	0	Incident Report Proactive Illicit Discharge/Illegal Connection Inspection Form	Public Works Department	These are kept on file when detected
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0	Violation Notice	Public Works or Police Department	
	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	Reactive Investigation of Reported Illicit Discharge/Illegal Connection/Illegal Dumping	Public Works or Police Department	None


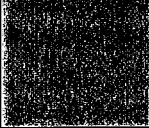

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Reactive investigations of reports of suspected illicit discharges etc.	0	Reactive Investigation of Reported Illicit Discharge/Illegal Connection/Illegal Dumping	Public Works or Police Department	None
	Illicit discharges etc. found during reactive investigation	0	Reactive Investigation of Reported Illicit Discharge/Illegal Connection/Illegal Dumping	Public Works or Police Department	None were found
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	Violation Notice	Public Works or Police Department	None were filed during this period
Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.					
	Personnel trained	3	Sign In Sheet	PBC NPDES Steering Committee; Engenuity Group Inc.	Illicit Discharge and Spill Prevention EXCAL videos; March 21, 2018; Lunch and Learn August 8, 2018
	Contractors trained	0	None	None	None
Part III.A.7.d	Illicit Discharges and Improper Disposal — Spill Prevention and Response				
Report on the spill prevention and response activities, including the number of spills addressed.					
	Hazardous and non-hazardous material spills responded to	0	Spill Prevention and Response Procedure	Public Works Department	No spills were found reported
Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.					
	Personnel trained	3	Sign In Sheet	PBC NPDES Steering Committee; Engenuity Group Inc.	Illicit Discharge and Spill Prevention EXCAL videos; March 21, 2018;

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					Lunch and Learn August 8, 2018
	Contractors trained	0	None	None	None
Part III.A.7.e	Illicit Discharges and Improper Disposal — Public Reporting				
	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.			
	Brochures/Flyers/Fact sheets distributed	1	Brochures	Town Hall	None
	Newsletters: Number of newsletters distributed	1	Website	Town Hall	None
Part III.A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control				
	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).				
	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.			
	Brochures/Flyers/Fact sheets distributed	1	Brochures	Town Hall	None
	Newsletters: Number of newsletters distributed	1	Website	Town Hall	None
Part III.A.7.g	Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage				
	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.				
	Owner of the sanitary sewer system	Individual Septic Systems			
	Activity to reduce/eliminate SSOs and I&I: (description)	0	None	None	None
	Activity to reduce/eliminate SSOs and I&I: (description)	0	None	None	None
	SSO incidents discovered	0	Incident Report	Public Works Department	They are kept on file when incidents are discovered
	SSO incidents resolved	0	Incident Report	Public Works Department	None

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments		
	Inflow / infiltration incidents discovered	0	Incident Report	Public Works Department	None		
	Inflow / infiltration incidents resolved	0	Incident Report	Public Works Department	None		
Part III.A.7 Summary	For activities required by Part III.A.7: Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit. Strengths: N/A. Limitations: None. SWMP Revisions implemented to address limitations: None.						
Part III.A.8.a	Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections						
	Report on the high-risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year. Report on the high-risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken.						
	Type of Facility	Number of Facilities	Number of Inspections	Enforcement Actions			
	Operating municipal landfills	0	0	0	Solid Waste Facility Inventory Report printout from DEP website	Engenuity Group, Inc.	None
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	0	0	Hazardous Waste Facility Printout from DEP website	Engenuity Group, Inc.	None
	EPCRA Title III, Section 313 facilities (TRI)	0	0	0	Toxics Release Inventory (TRI) printout from EPA website	Engenuity Group, Inc.	None
	Facilities determined as high risk by the permittee	0	0	0	Superfund (cerclis) printout from EPA website	Engenuity Group, Inc.	None
Part III.A.8.b	Industrial and High-Risk Runoff — Monitoring for High Risk Industries						
	Report the number of high risk facilities sampled.						

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	High risk facilities sampled	0	None	None	The Town of Ocean Ridge does not have any of this facilities
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: There are no industries in the Town				
	Limitations: None.				
	SWMP revisions implemented to address limitations: None.				
Part III.A.9.a	Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices				
	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	Site Plan Review Procedures	Engenuity Group, Inc.	No plans were reviewed
	PERMITTEE SITES: Construction site plans approved	0	Site Plan Review Procedures	Engenuity Group, Inc.	None
	PRIVATE SITES: Construction site plans reviewed	0	Site Plan Review Procedures	Engenuity Group, Inc.	No plans were reviewed
	PRIVATE SITES: Construction site plans approved	0	Site Plan Review Procedures	Engenuity Group, Inc.	None
	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	None	None	None
	Confirmed ERP coverage	0	None	None	None
	Notified of CGP stormwater permit requirements	0	None	None	None
	Confirmed CGP coverage	0	None	None	None
Part III.A.9.b	Construction Site Runoff — Inspection and Enforcement				
	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	0	Construction Site Inspection	Public Works Department	None
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0	Construction Site Inspection	Public Works Department	None
	PERMITTEE SITES: Percentage of active construction sites inspected	0	Construction	Public Works	No

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
	PRIVATE SITES: Active construction sites	0	Site Inspection	Department	construction sites for this period
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0	None	None	None
	PRIVATE SITES: Percentage of active construction sites inspected	0	Construction Site Inspection	Public Works Department	No construction sites for this period
	Enforcement Action	0	Construction Site Inspection	Public Works Department	No construction sites for this period
		0	Violation Notice	Public Works Department	No construction sites for this period
Part III.A.9.c	Construction Site Runoff — Site Operator Training	Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).			
		DEP Certification	Annual Training		
	Permittee construction site inspectors	3	1	Sign In Sheet	FDEP Certified Trainer coordinated by Steering Committee Engenuity Group, Inc.
	Permittee construction site plan reviewers		1	Sign In Sheet	FDEP Certified Trainer coordinated by Steering Committee Engenuity Group, Inc.
	Permittee construction site operators		0	N/A	N/A No Construction Activity
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Permits are issued for all construction. The permit requires all runoff to be contained. The sites are checked periodically by the building inspectors and the code enforcement officers for compliance. Stop work orders are issued if infractions are found. All projects are less than 1 acre.				
	Limitations: None.				
	SWMP revisions implemented to address limitations: None.				

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

A.	Permit Citation/ SWMP Element	Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY.
		None.
B.	Permit Citation/ SWMP Element	Changes to the Stormwater Management Program Activities NOT Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change)
		None.

SECTION IX. TMDL Status Report

A.	YEAR 1 Provide a table summarizing the status of the TMDL process. Include a list of prioritized TMDLs and their monitoring and implementation schedule; and include the identification number of the outfall prioritized for TMDL monitoring.								
	WBID Number	Segment/ Waterbody/ Basin	Pollutant of Concern	TMDL DEP / EPA	Percent Reduction (WLA)	Priority Rank	Priority Outfall	Monitoring Summary / BPCP Due Date	Supplemental SWMP Due Date
	N/A			<input type="checkbox"/> / <input type="checkbox"/>		1		(Year 3 AR)	(Year 4 AR; N/A if BPCP)
				<input type="checkbox"/> / <input type="checkbox"/>					
B.	YEAR 3 and annually thereafter, provide a summary of the estimated load reductions that have occurred for the pollutant(s) of concern being discharged from the MS4 to the TMDL water body during the reporting period and cumulatively since the date the Supplemental SWMP was implemented. Year 3: Submit a Monitoring data summary or BPCP (if applicable). Year 4: Submit a Supplemental SWMP (if applicable).								
	WBID Number	Pollutant of Concern	Monitoring Summary / BPCP Submitted	Supplemental SWMP Submitted	Projected load reductions OR Actual load reductions to date				
	N/A		(Year 3 AR)	(Year 4 AR; N/A if BPCP)					
C. Provide a brief statement as to the status of TMDL implementation according to Part VIII.B of the permit (e.g. status of monitoring to validate WLA): No discharge to a TMDL WBID at the time of permit issuance.									

Town of Ocean Ridge

NPDES MS4 Discharge Permit SWMP Assessment Program Annual Report Permit Cycle 4, Year 2

October 2017 – September 2018



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Status of Water Quality Monitoring Plan

As noted in the approved Assessment Plan, the water quality data being used for the assessment is sourced from the Palm Beach County ambient water quality program. This program has been in place for many years, with implementation on-going.

Discussion of Assessment Program Results

Summary of WQ monitoring data

The Town's monitoring station is located on Ocean Avenue, LWL18, which collects data for the joint program. The joint program offers one (1) sampling location within Town limits as shown in Figure 1. The Town has chosen to use LWL18 for the Assessment Program as it is assumed that when the tide is running out of the Lake Worth Lagoon, the water will run north towards LWL18. Thus, this sampling site should provide more accurate data as to any stormwater pollutants specific to the Town of Ocean Ridge's MS4. The following table identifies this monitoring station, along with relevant information about the location.



Figure 1. LWL18 Monitoring Station

MS4 Monitoring Stations Table

Monitoring Station Number	Location Description	Latitude/ Longitude	Receiving Water Body	Verified Impaired?	Adopted TMDL?
LWL18	This former DEP station (28010771) is located near the Ocean Avenue Causeway in the City of Boynton Beach, north of the Causeway, West of the ICWW and East of Mangrove Park and Boynton Beach Blvd.	263143.99 / 800313.2	Lake Worth Lagoon (Southern Segment)	Copper	No

Lake Worth Lagoon South/Intracoastal Waterway

Site LWL-18 is located in the Intracoastal Waterway (ICWW), south of the discharge from the C-16 Canal in Boynton Beach and represents the southern extents of the ICWW system within Palm Beach County. It is the closest existing ambient water quality station to the City’s discharge into the ICWW.

The water quality results for the period October 1, 2010 through September 30, 2018, for Site LWL-18 were graphed and are provided in Appendix A. In summary, the water quality trends are as follows:

Parameter	Trend	Comment
Chlorophyll-a	Upward	
Conductivity (salinity)	Flat, to slightly upward	No limit for this parameter in marine waters.
Copper, Dissolved	No current data	Data collection ended in 2012.
Hardness	No data	
Nitrate + Nitrite	Slightly downward	
Nitrogen, Total Kjeldahl	Upward	
Nitrogen, Total	Upward	Annual Geometric Mean has remained below WQ limit.
Oxygen, Dissolved	Downward	Site LWL-18 has no recorded insufficiency.
pH	Upward	Values have exceeded upper limit.
Phosphorus, Total	Upward	
Suspended Solids, Total	Upward	No limit for this parameter in marine waters.
Turbidity	Upward	No exceedance recorded.
Zinc, Dissolved	No current data	Data collection ended in 2012.

Summary of pollutant loading changes

At this time the Town does not have information on the loading contributions for Ocean Ridge into the Lake Worth Lagoon South Watershed (LWL-18). The Palm Beach County (PBC) MS4 group will be estimating pollutant loadings and reporting the information in the 3rd year report. This information is likely to be provided to the Town of Ocean Ridge and documented in the 3rd year report.

Analysis of Data

Changes in WQ from previous reporting year(s)

As the trend graphs in Appendix A indicate, water quality is improving or below the state standard for most of the water quality parameters.

Although Lake Worth Lagoon is listed as impaired for Copper in both the central and south sections, there are no identified copper impairments for any of the inflows from the fresh water tributaries. The Copper impairments do not appear to be related to stormwater runoff; however, it may be related to the marina boating activities in the water body.

The Town of Ocean Ridge's stormwater management programs show to be effective in minimizing the impact of pollutant loadings onto the Lake Worth Lagoon. This is supported by the water quality monitoring program (both FDEP and the MS4 group information) and pollutant loading information. At this time there is no need to develop further stormwater management programs.

Changes in loading estimates from previous year(s)

Reserved. This review/evaluation will be completed when the county-wide pollutant loading estimate is completed and will be included in next year's report.

Identification of areas within MS4 that should be targeted for additional programs

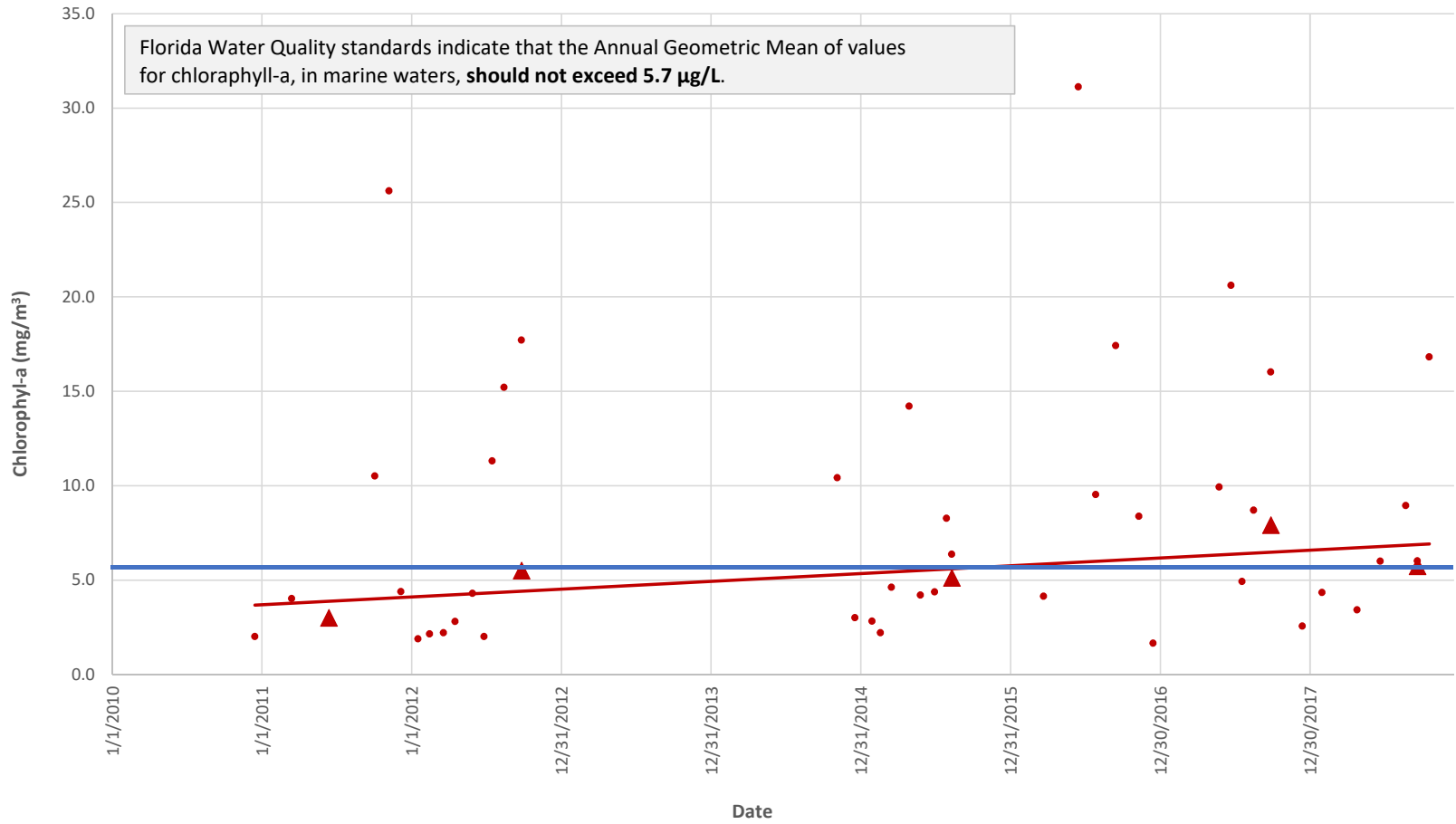
At this time, no specific area of Ocean Ridge's MS4 contributing area appears to require additional programs.

Appendix A

Water Quality Trend Graphs

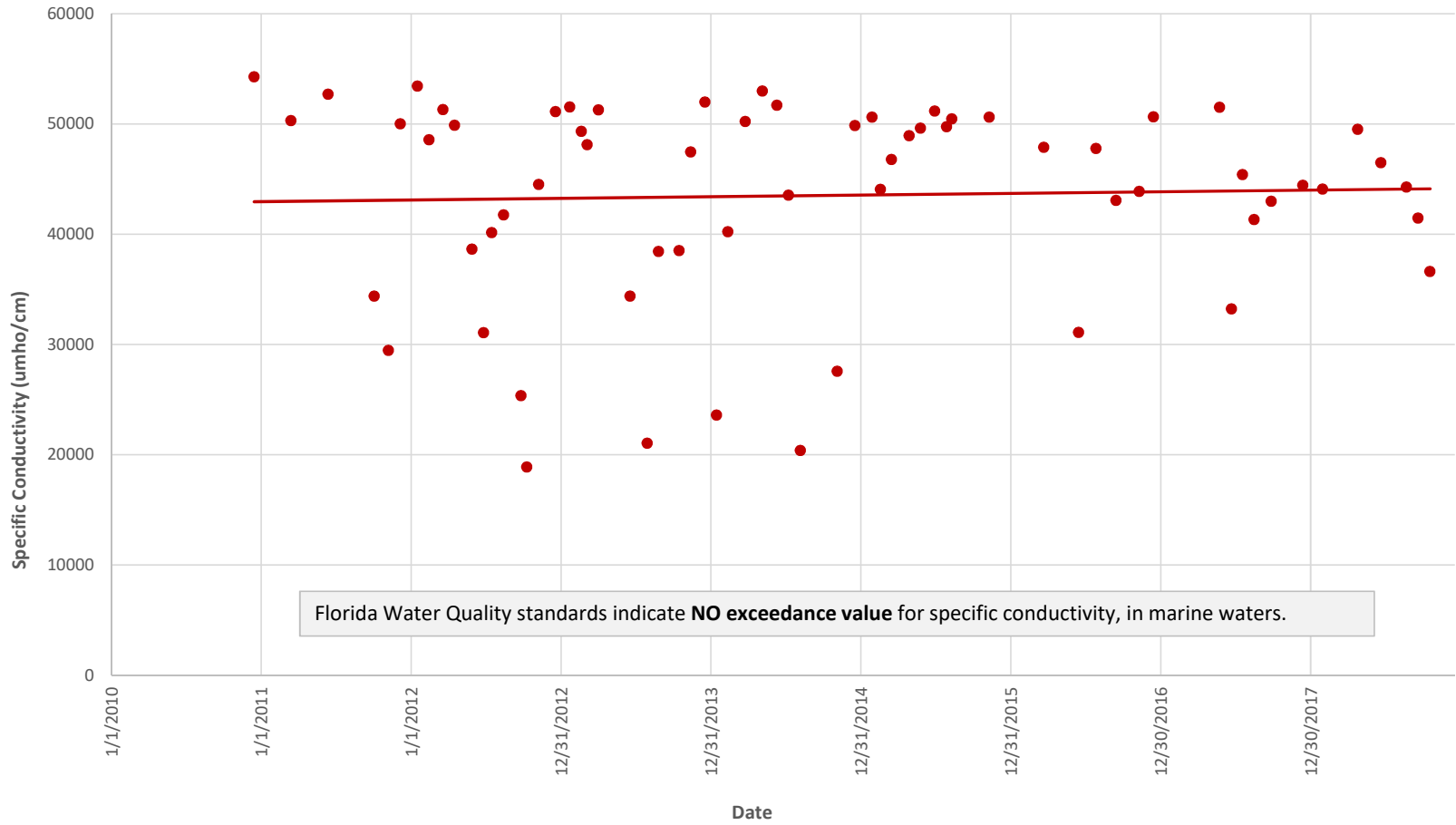
Town of Ocean Ridge

ICWW-S Basin, Chl-a (corrected)



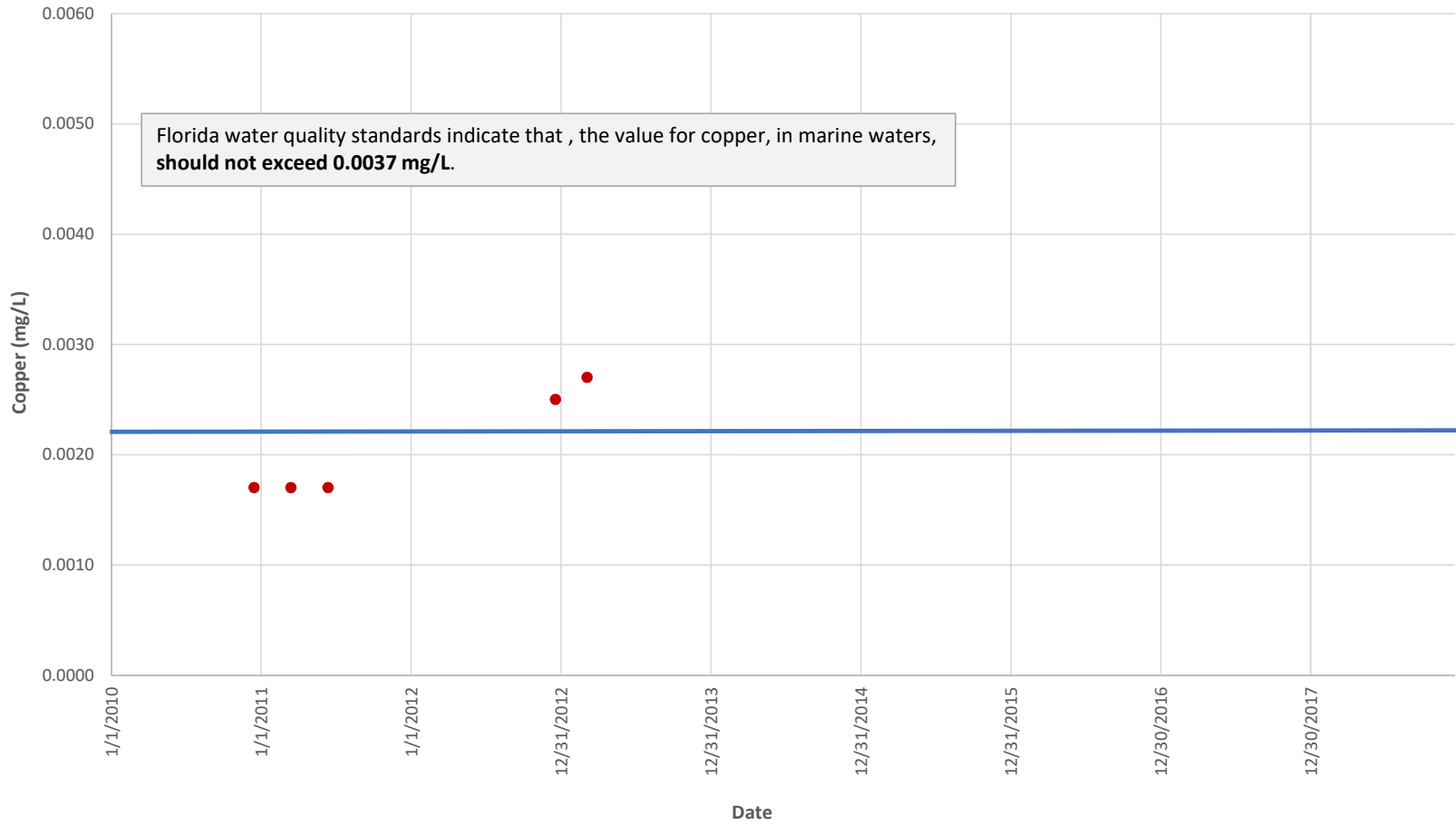
● LWL-18 (marine) ▲ LWL-18 AGM — Linear (LWL-18 AGM)

ICWW-S Basin, Specific Conductivity



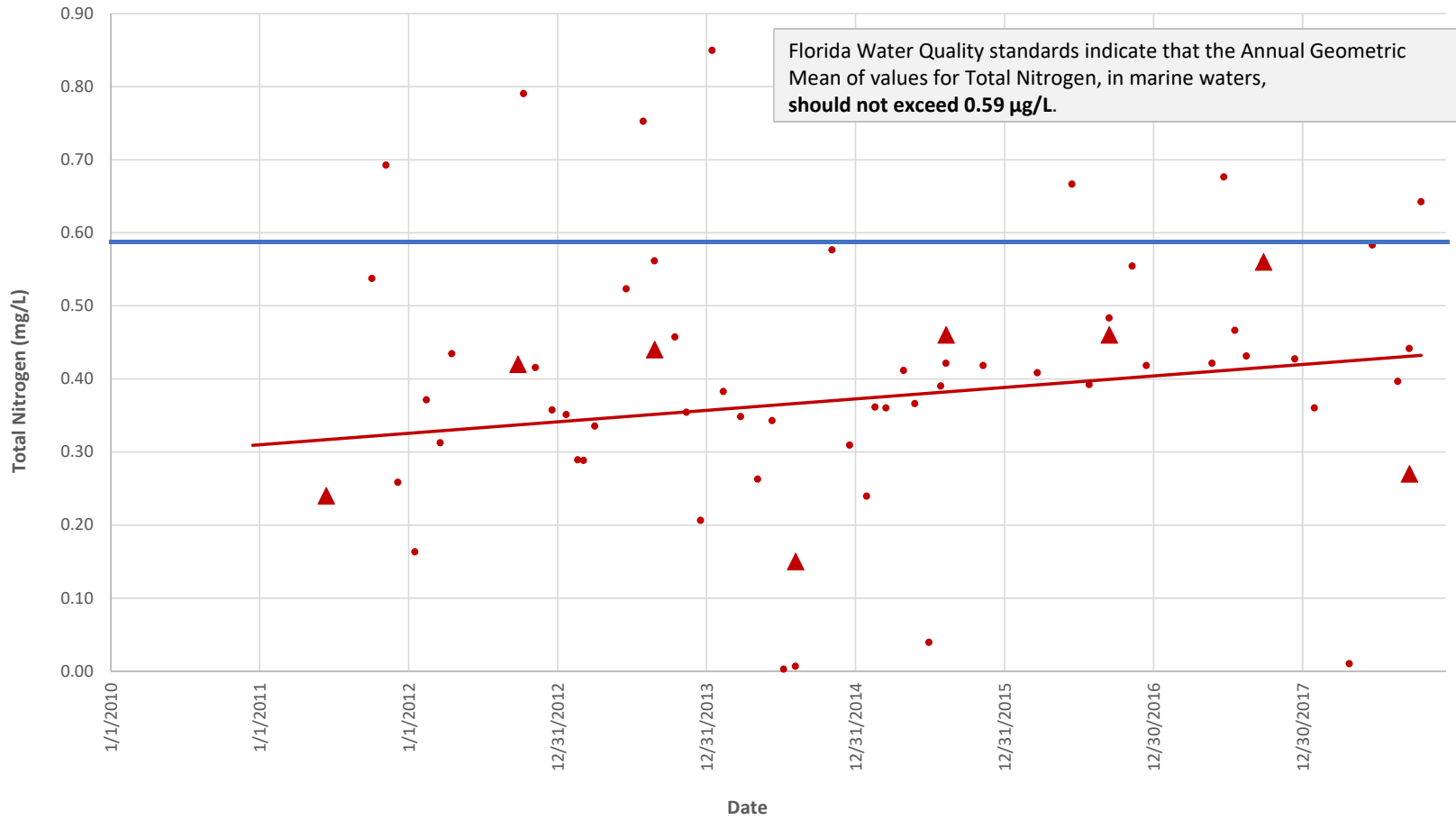
● LWL-18 (marine) — Linear (LWL-18 (marine))

ICWW-S Basin, Copper



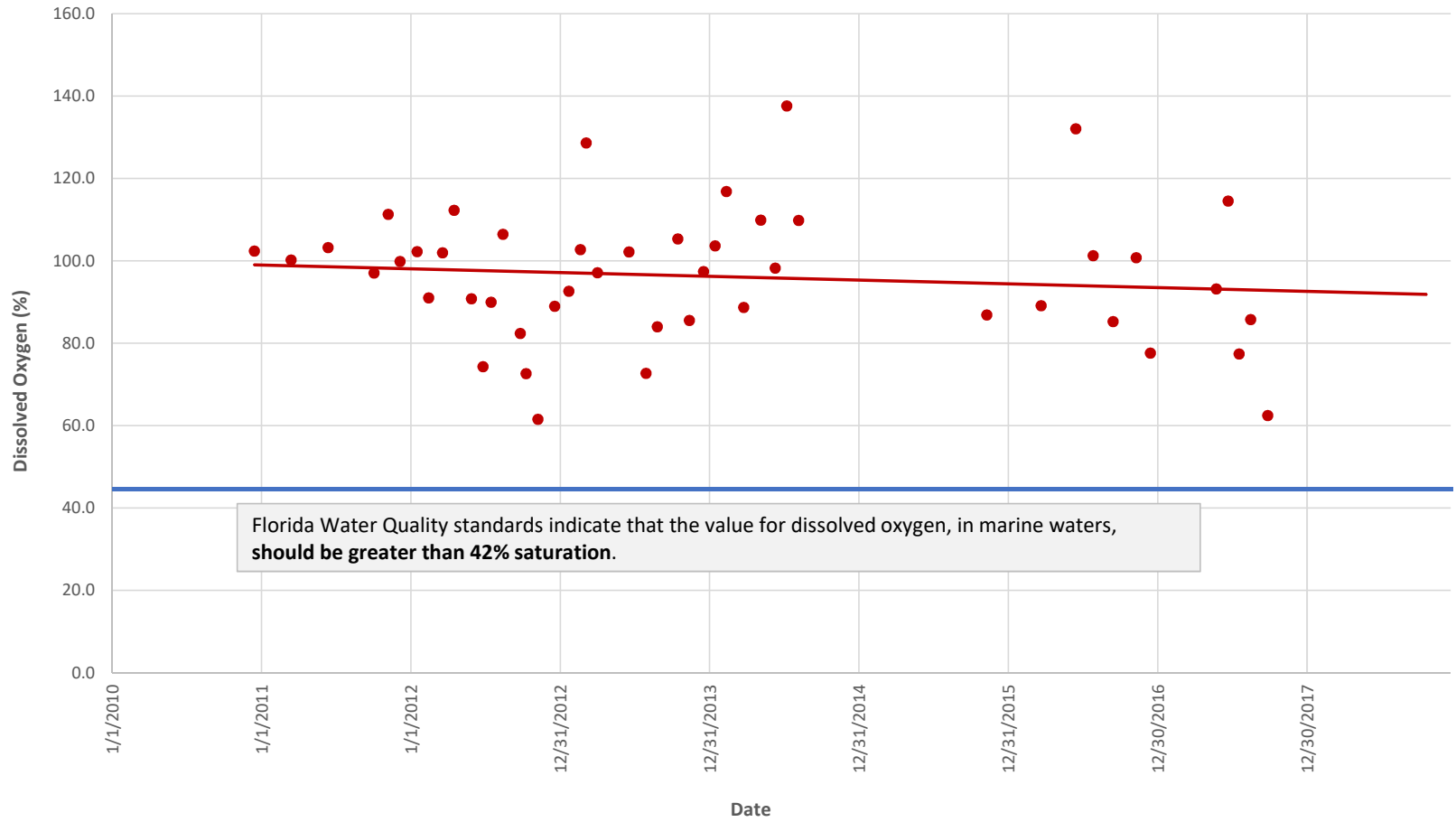
● LWL-18 (marine)

ICWW-S Basin, Total Nitrogen



● LWL-18 (marine) ▲ LWL-18 AGM — Linear (LWL-18 AGM)

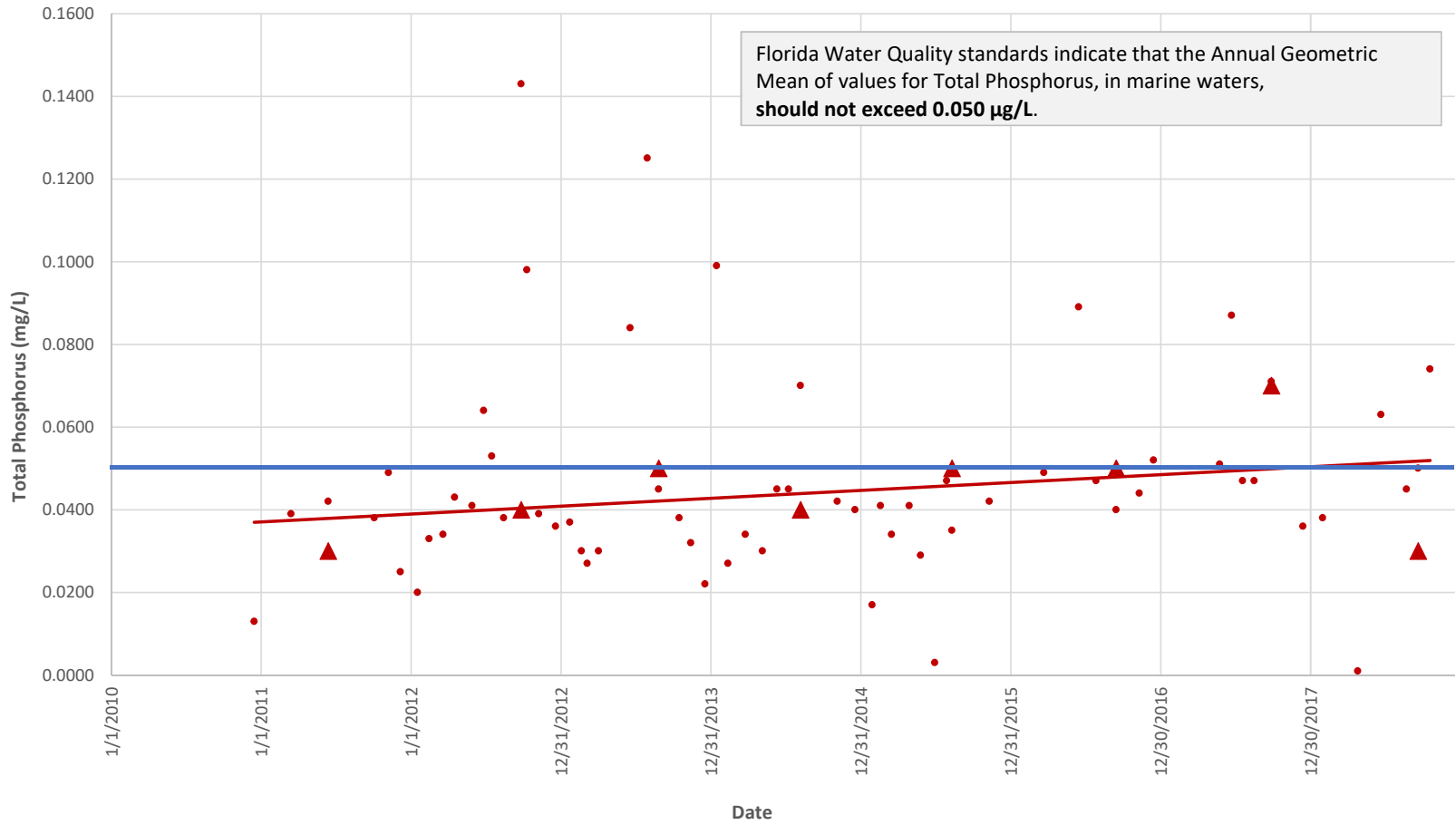
ICWW-S Basin, Dissolved Oxygen



Florida Water Quality standards indicate that the value for dissolved oxygen, in marine waters, should be greater than 42% saturation.

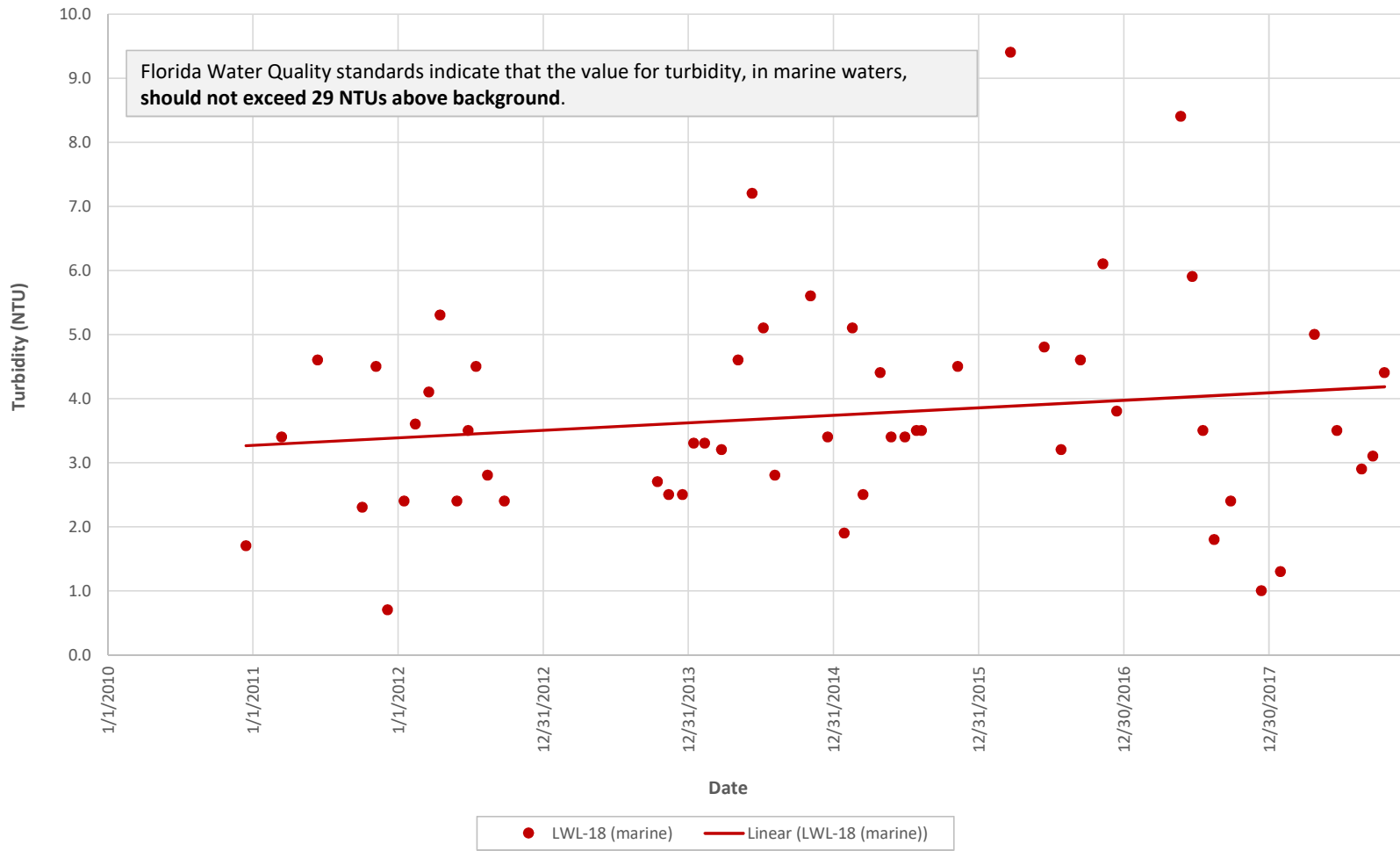
● LWL-18 (marine) — Linear (LWL-18 (marine))

ICWW-S Basin, Total Phosphorus

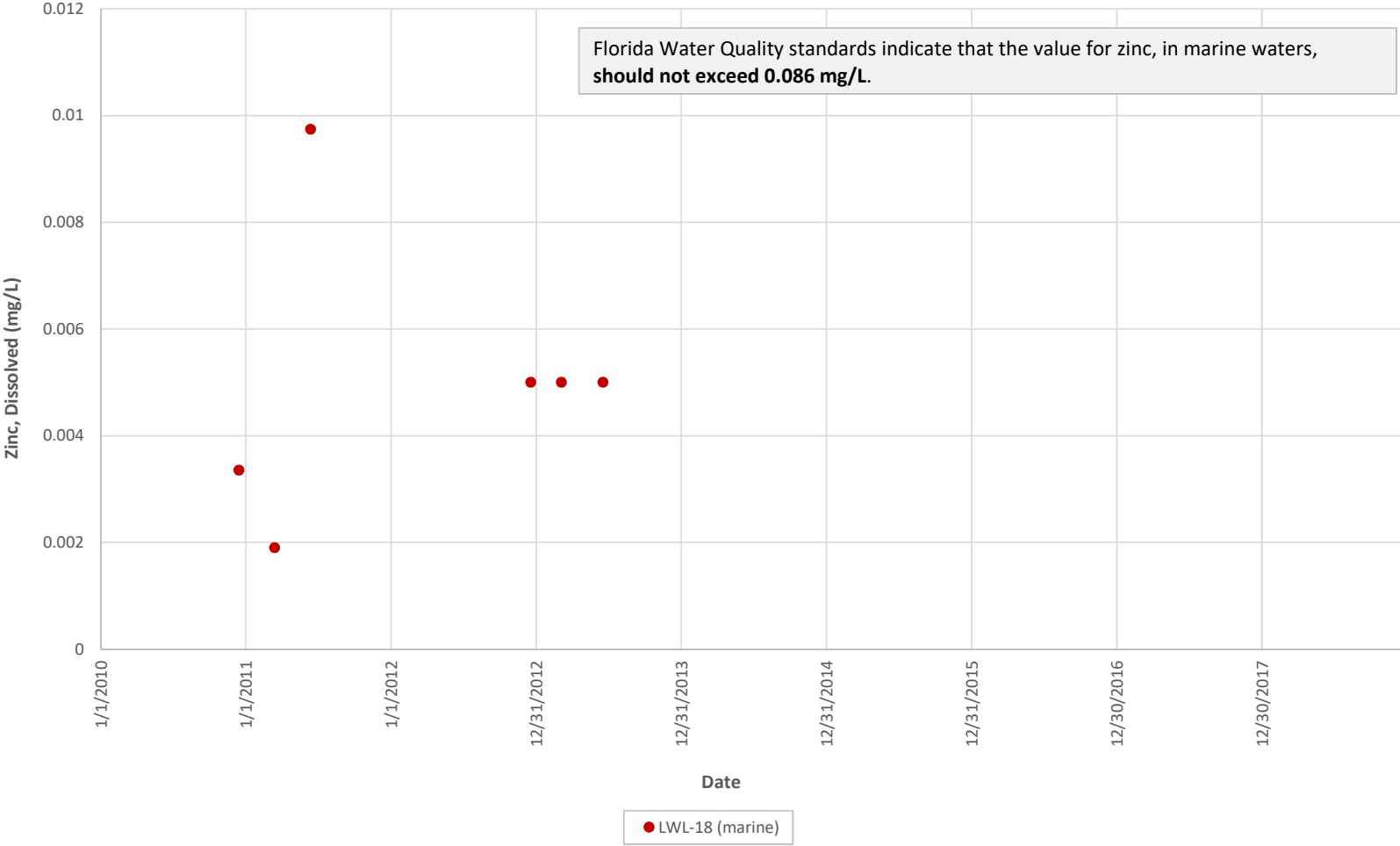


• LWL-18 (marine) ▲ LWL-18 AGM — Linear (LWL-18 AGM)

ICWW-S Basin, Turbidity



ICWW-S Basin, Zinc, Dissolved



Review of Local Codes

Town of Ocean Ridge

REVIEW OF LOCAL CODES - OCEAN RIDGE

<u>CODE SECTION</u>	<u>TITLE</u>	<u>DESCRIPTION</u>	<u>REVIEWED</u>	<u>RECOMMENDED IMPROVEMENTS</u>
67-33	Drainage, required; swales; construction of driveways	New construction of single or multifamily buildings, or any other new building made on any lot within the town or any addition of or removal of fill or grade alteration on a lot shall require a drainage system adequate to detain, retain and transport volumes of runoff as may be regulated from time to time by federal, state and county laws and regulations and this Code.	X	No revisions to code at this time.
67-138	Drainage	In addition to meeting the requirements of this land development code, the design and performance of all stormwater management systems shall comply with applicable federal and state regulations and requirements of the South Florida Water Management District. In all cases, the strictest of the applicable standards shall apply.	X	No revisions to code at this time.
63.56	Concept Development Plan Review	All development related to a single- or two-family structure that is for new development or construction that increases the size of the current structure by more than 50 percent or where such construction costs more than 50 percent of the existing structure shall be required to submit the development/construction/site plans to the planning and zoning commission for review.	NEW (11-6-2017)	
66-43	Maintenance of privately owned stormwater management systems	All privately owned stormwater management systems that discharge into the town's stormwater management system are responsible for establishing and implementing an effective maintenance program.	X	No revisions to code at this time.
66-42	Requirements for monitoring	The building official may require any person engaging in any activity or owning any property, building or facility (including but not limited to a site of industrial activity) to undertake such reasonable monitoring of any discharge(s) to the stormwater system and to furnish periodic reports	X	No revisions to code at this time.

66-79	Illicit connections	<p>No person may maintain, use or establish any direct or indirect connection to the stormwater system that results in any discharge in violation of this article.</p> <p>This prohibition is retroactive and applies to connections made in the past, regardless of whether made under a permit, or other authorized, or whether permissible under laws or practices applicable or prevailing at the time the connection was made.</p>	X	No revisions to code at this time.
66-98	Notification of spills	<p>As soon as any person has knowledge of any discharge to the stormwater system in violation of this article, such person shall immediately notify the building official by telephone, and if such person is directly or indirectly responsible for such discharge, then such person shall also take immediate action to ensure the containment and clean up of such discharge and shall confirm such telephone notification in writing to the building official, at mailing address, within three calendar days.</p>	X	No revisions to code at this time.
63-71	Comprehensive Plan	<p>The town commission shall adopt a comprehensive plan in accordance with F.S. ch. 163 and appropriate administrative rules. It shall do so only after a public hearing and recommendation by the planning and zoning commission. Article III of this chapter specifies further procedures for both bodies.</p>	X	No revisions to code at this time.
63-52	Minor development application and site plan requirements	<p>Applications for a minor development shall conform to the requirements of Chapter 67, pertaining to buildings, and such administrative requirements as may be specified by the administrative official.</p>	MODIFIED 11-6-2017	
63-56	Concept development plan review	<p>All development related to a single- or two-family structure that is for new development or construction that increases the size of the current structure by more than 50 percent or where such construction costs more than 50 percent of the existing structure shall be required to submit the development/construction/site plans to the planning and zoning commission for review. A developer/applicant shall be required to submit all documents/plans, as set forth in the development action form, prior to being heard by the planning and zoning commission. The planning and zoning commission shall use the review criteria as set forth herein when reviewing site plans.</p>	NEW (11-6-2017)	

63-51 (b)	Types of applications	Minor and major developments. If a development permit application is in conformance with the comprehensive plan, zoning district regulations and subdivision requirements, they shall follow the procedures stated in this code.	MODIFIED 11-6-2017	
1-3	Definitions	Words, terms and phrases, when used in this Code, shall have the meanings ascribed to them in this Code, except where the context clearly indicates a different meaning.	MODIFIED 11-6-2017	
66-36	Purpose and intent	The purpose and intent of this article is to promote the health, safety and general welfare of the inhabitants of the town. This article is intended to comply with federal and state law and regulations regarding water quality.	X	No revisions to code at this time.
66-169	Exemptions	The provisions of sections <u>66-162</u> through <u>66-170</u> shall not apply to any lands used for bona fide scientific research, including, but not limited to research on the effects of fertilizer use on urban stormwater, water quality, agronomics, or horticulture.	X	No revisions to code at this time.
66-1 (c)	General Provisions	<i>Pervious area.</i> At least 25 percent of any lot area shall be maintained in a natural or landscaped state pervious to rainfall in order to recharge the aquifer and otherwise minimize runoff. See article IV of this chapter for plant material details.	X	Change of pervious area requirements from 25% to 35%

NOTE: All stormwater management systems shall comply with applicable federal and state regulations and requirements of the South Florida Water Management District.