



<b>DEM USE ONLY</b>	
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## RIPDES SMALL MS4 ANNUAL REPORT

### GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR0400 0025

REPORTING PERIOD:       **YEAR 20**  
Jan 2023-Dec 2023

**OPERATOR OF MS4**

Name: Town of Jamestown			
Mailing Address: 93 Narragansett Avenue			
City: Jamestown	State: RI	Zip: 02835	Phone: (401)423-7193
Contact Person: Jean Lambert		Title: Town Engineer	
		Email: jlambert@jamestownri.net	
Legal status (circle one): PRI - Private <u>PUB - Public</u> BPP - Public/Private      STA - State      FED - Federal			
Other (please specify):			

**OWNER OF MS4 (if different from OPERATOR)**

Name: SAME			
Mailing Address:			
City:	State:	Zip:	Phone: (   )
Contact Person:		Title:	
		Email:	

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that 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.

Print Name      Jean Lambert

Print Title      Town Engineer

Signature      *Jean Lambert*      Date 2-29-24



# MINIMUM CONTROL MEASURE #1: PUBLIC EDUCATION AND OUTREACH (Part IV.B.1 General Permit)

## SECTION I. OVERALL EVALUATION:

### GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities, topics addressed, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for choosing the education activity to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** Jean Lambert, Town Engineer

**Phone:** 401-423-7193 **Email:** jlambert@jamestownri.net

IV.B.1.b.1 Use the space below to provide a General Summary of activities implemented to educate your community on how to reduce stormwater pollution. For TMDL affected areas, with stormwater associated pollutants of concern, indicate rationale for choosing the education activity. List materials used for public education and topics addressed. Summarize implementation status and discuss if the activity is appropriate and effective.

The Town uses public mailings, collaboration and targeted distribution of material to educate and include the community in addressing stormwater pollution.

The Town will continue to distribute a pet waste management brochure (see appendix) with pet license renewals. This effort is reflected in an elementary school program that directs students to create and display posters relating clean water and pet waste management. In 2023, the Town distributed pet “poop” bags with pet licenses.

The Town collaborates with Save the Bay and the community to promote the marking of catch basins with “Drains to Bay” markers. The drain marking program is a safe way for families to be actively involved in stormwater protection.

Each year, the Town hires young people from the community to conduct an anti-litter campaign each summer with a special emphasis on reducing pollution in areas that discharge to the Bay. This effort includes targeted messaging and clean ups.

The Town annually implements water conservation restrictions to all households connected to the municipal water supply. These conservation requirements are mailed to all households connected to the municipal water and are advertised in the local paper for all residents to review.

The Town included a brochure to all users connected to the municipal water system regarding the potential dangers of cross contamination between sump pump discharges, the municipal stormwater system and the municipal water system.

The Town distributed a brochure to all residences about municipal recycling and included several informational ads in the local press to increase recycling awareness (see appendix).

IV.B.1.b.2 Use the space below to provide a general summary of how the public education program was used to educate the community on how to become involved in the municipal or statewide stormwater program. Describe partnerships with governmental and non-governmental agencies used to involve your community.

The Town collaborates with Save the Bay and the community to promote the marking of catch basins with “Drains to Bay” markers.

The Town hires young people from the community (Youth Litter Corp) to conduct an anti-litter campaign each summer with a special emphasis on reducing pollution in areas that discharge to the Bay. The signs are posted in areas of the Island that are likely to be viewed by all residents.

The Town continues to work with the Conanicut Island Land Trust, the Jamestown Conservation Commission and the Jamestown Shores Association through the Jamestown Shores Tax Lot Management Program. This program was developed to encourage cooperation to protect undeveloped lots in the Jamestown Shores. The undeveloped lots are important in that they reduce storm water runoff, increase groundwater recharge, protect groundwater resources and protect freshwater wetlands. To date, a total of 108 lots have been protected through ownership and easements with 22 lots added in 2019. An additional 11 lots are being considered for easement protection. A sign is placed on each lot so that it is apparent that it is a protected site.

**PUBLIC EDUCATION AND OUTREACH cont'd**

Check all topics that were included in the Public Education and Outreach program during this reporting period. For each of the topics selected, provide:

Target Audience(s): Public Employees, Residents, General Public, Businesses, Industries, Restaurants, Contractors, Developers, Agriculture, Other (describe);

Target Pollutant(s): (e.g. pet waste, fertilizers, Total Suspended Solids, etc.);

Strategies/Media: Direct Mailings, List Servs, Kiosks or Other Displays, Newspaper Ads or Articles, Public Events or Presentations, School Programs, Printed Materials, Direct Trainings, Videos, Webpage, Other (describe)

Topic	Target Audience(s)	Target Pollutant(s)	Strategies/Media
<input checked="" type="checkbox"/> Construction Sites	Contractors	Good housekeeping/TSS	Bldg Official Instruction during site inspecion
<input type="checkbox"/> Pesticide and Fertilizer Application			
<input type="checkbox"/> General Stormwater Management Info			
<input checked="" type="checkbox"/> Pet Waste Management	Residents/General Public/Pet Owners	Pet waste/bacteria	Brochure distribution/School programs
<input checked="" type="checkbox"/> Household Hazardous Waste Disposal	Residents	Electronic Waste	Local E-waste disposal events
<input checked="" type="checkbox"/> Recycling	Residents	Recyclables	Direct mailings & local press
<input checked="" type="checkbox"/> Illicit Discharge Detection and Elimination	Residents	Bacteria	Sump pump inspections
<input type="checkbox"/> Riparian Corridor Protection/Restoration			
<input type="checkbox"/> Infrastructure Maintenance			
<input checked="" type="checkbox"/> Trash Management	Residents	Reducing waste volume	Promotion of composting
<input type="checkbox"/> Smart Growth			
<input type="checkbox"/> Vehicle Washing			
<input checked="" type="checkbox"/> Storm Drain Marking	Residents/General public	Trash, pet waste, TSS	Markers placed on catch basins
<input checked="" type="checkbox"/> Water Conservation	Residents	Drinking water shortages	Direct mailing & newspaper ads
<input type="checkbox"/> Green Infrastructure/Better Site Design/LID			
<input checked="" type="checkbox"/> Wetland Protection	Residents	Groundwater recharge/reduction of PH, N	Protection of vacant lots through conservation easements
<input type="checkbox"/> Other:			
<input type="checkbox"/> None			

**Additional Measurable Goals and Activities**

Please list all stormwater training attended by your staff during the 2023 calendar year and list the name(s) and position of all staff who attended the training.

Trainings:

Emerging Stormwater Technologies in RI: 2/13/2023

Charging & Fueling Infrastructure Discretionary Grant: 3/21/2023

Floodway Surcharge – Mitigating the Impacts of this Future Condition: 3/29/2023

Introduction to CAMEO Chemicals: 5/23/2023

Federal Flood Risk Management: 6/28/2023

Stormwater Expo at Roger William Park: 10/25/2023

Community Engagement and Flood Mitigation: 11/17/2023

Attending name of staff and title: Jean Lambert, Town Engineer



## MINIMUM CONTROL MEASURE #2: PUBLIC INVOLVEMENT/PARTICIPATION (Part IV.B.2 General Permit)

### SECTION I. OVERALL EVALUATION:

#### GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as types of activities and audiences/groups engaged. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** Jean Lambert, Town Engineer

**Phone:** 401-423-7193 **Email:** jlambert@jamestownri.net

IV.B.2.b.2.ii Use the space below to describe audiences targeted for the public involvement minimum measure, include a description of the groups engaged, and activities implemented and if a particular pollutant(s) was targeted. If addressing TMDL requirements indicate how the audience(s) and/or activity address the pollutant(s) of concern. Name of person(s) and/or parties responsible for implementation of activities identified. Assess the effectiveness of BMP and measurable goal.

- The Jamestown Youth Litter Corp participated in shoreline cleanup and trash pickup on public properties. They are effective at removing floatables.
- Pet owners receive a pet waste management brochure as part of the annual registration renewal.
- The Town of Jamestown, in cooperation with the Conanicut Island Land Trust, Jamestown Conservation Commission and Jamestown Shores Association, continued the Jamestown Shores Tax Lot Management Plan program aimed at protecting undeveloped lots in the Jamestown Shores area. The program seeks to reduce runoff and increase groundwater recharge. The signage helps to educate neighborhood residents.
- The Jamestown School 4<sup>th</sup> grade investigates the connection between stormwater and drinking water on the island. In addition, 4<sup>th</sup> grade classes investigated the connection between pet waste and bacterial contamination in adjacent waters by conducting water quality sampling and testing.

Opportunities provided for public participation in implementation, development, evaluation, and improvement of the Stormwater Management Program Plan (SWMPP) during this reporting period. Check all that apply:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Cleanup Events  | <input checked="" type="checkbox"/> Storm Drain Markings |
| <input type="checkbox"/> Comments on SWMPP Received | <input type="checkbox"/> Stakeholder Meetings            |
| <input type="checkbox"/> Community Hotlines         | <input checked="" type="checkbox"/> Volunteer Monitoring |
| <input type="checkbox"/> Community Meetings         | <input checked="" type="checkbox"/> Plantings            |
| <input type="checkbox"/> Other (describe)           |  |

#### Additional Measurable Goals and Activities

- The Jamestown Department of Public Works, Conservation Commission and the public participate in stream and shoreline cleanups throughout the year.
- The Town funds a Youth Litter Corps which includes educational, recycling and litter pickup components.
- The Town Recreation Department provides and maintains trash barrels at public recreation areas and shoreline access points.
- The Town Recreation Department continues to fund and maintain 4 pet waste stations in Town.
- The Town collaborates with Save the Bay and the community to promote the marking of catch basins with "Drains to Bay" markers as a family friendly activity.
- The Town distributed a brochure to all residences about municipal recycling and included several informational ads in the local press to increase recycling awareness (see appendix).

**SECTION II. Public Notice Information (Parts IV.G.2.h and IV.G.2.i) \*Note: attach copy of public notice**

Was the availability of this Annual Report and the Stormwater Management Program Plan (SWMPP) announced via public notice? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If YES, Date of Public Notice: February 29, 2023 Town website and Jamestown Press (local newspaper)
How was public notified: <input type="checkbox"/> List-Serve (Enter # of names in List: _____) <input checked="" type="checkbox"/> Newspaper Advertising <input type="checkbox"/> TV/Radio Notices <input checked="" type="checkbox"/> Town Hall posting <input checked="" type="checkbox"/> Website <input type="checkbox"/> Other:	
Enter Web Page URL: <a href="https://www.jamestownri.gov/town-departments/stormwater-management">https://www.jamestownri.gov/town-departments/stormwater-management</a>	
Was public meeting held? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Date: March 4, 2023 <span style="float: right;">Where: Jamestown Town Council Meeting</span>	
Summary of public comments received: No comments were received	
Planned responses or changes to the program:	

\*Copy of public notice included in the attachments.



## MINIMUM CONTROL MEASURE #3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (Part IV.B.3 General Permit)

### SECTION I. OVERALL EVALUATION:

#### GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS

Include information relevant to the implementation of each measurable goal, such as activities implemented (when reporting tracked and eliminated illicit discharges, please explain the rationale for targeting the illicit discharge) to comply with on-going requirements, and illicit discharge public education activities, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** Jean Lambert, Town Engineer

**Phone:** 401-423-7193 **Email:** jlambert@jamestownri.net

**Has *this person* received training on Illicit Discharge Detection and Elimination (IDDE)?** \_\_\_\_\_

**If yes, when and where?** Ms. Lambert is a registered professional engineer and has been trained through a combination of previous work experience and on the job training.

**If no, who *is* trained on IDDE?** Public works staff are also trained to detect IDDE.

IV.B.3.b.1:	<p>If the outfall map was not completed, use the space below to indicate reasons why, proposed schedule for completion of requirement and person(s)/ Department responsible for completion. (The Department recommends electronic submission of updated EXCEL Tables if this information has been amended.)</p> <p><b>Number of Outfalls Mapped within regulated area:</b> <u>125</u></p> <p><b>Percent Complete:</b> <u>100</u></p> <p><b>If 100% Complete, Provide Date of Completion:</b> <u>2012</u></p>
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An outfall map was first created in 2006 and submitted with the 2006 annual report. This map was revised during the 2007 dry weather surveys and included with the 2007 annual report. The electronic submission of the outfall location in excel format was included with the 2008 annual report. Updated excel tables were included with the 2020 annual report identifying the 88 outfalls to Narragansett Bay and the 37 outfalls that discharge to inland locations in Jamestown.

IV.B.3.b.2	<p>Indicate if your MS4 chose to implement the tagging of outfalls activity under the IDDE minimum measure, activities and actions undertaken under the 2023 calendar year.</p>
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The Town has chosen to GPS the outfalls in place of outfall tagging. The outfalls have been located using a Trimble GeoXT GPS receiver.

IV.B.3.b.3	<p>Use the space below to provide a summary of the implementation of recording of system additional elements (catch basins, manholes, and/or pipes). Indicate if the activity was implemented as a result of the tracing of illicit discharges, new MS4 construction projects, and inspection of catch basins required under the IDDE and Pollution Prevention and Good Housekeeping Minimum Measures, and/or as a result of TMDL related requirements and/or investigations. Assess effectiveness of the program minimizing water quality impacts.</p>
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In 2023, the Town continued to review existing mapping versus field conditions to ensure that the complete system is mapped. No changes were found.

This mapping effort has been very effective at identifying potential infrastructure issues and allowing the DPW to prioritize O&M efforts.

IV.B.3.b.4	<p>Indicate if the IDDE ordinance was <b>not</b> developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement.</p> <p><b>Date of Adoption:</b> <u>12/06/2005</u></p> <p>If the Ordinance was amended in 2023, please indicate why changes were necessary.</p>
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The IDDE Ordinance was adopted on 12/06/2005 and submitted to RIDEM with a signed letter from the Town Solicitor. No amendments were made to the IDE Ordinance in 2023.

**ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd**

IV.B.3.b.5.ii, iii, iv, & v	Use the space below to provide a summary of the implementation of procedures for receipt and consideration of complaints, tracing the source of an illicit discharge, removing the source of the illicit discharge and program evaluation and assessment as a result of removing sources of illicit discharges. Identify person(s) / Department and/or parties responsible for the implementation of this requirement.
DPW employees respond to all complaints, inspect the area and notify emergency response if needed. A record of all illicit discharges reported is kept by the public works department.	
IV.B.3.b.5.vi	Use the space below to provide summary of implementation of catch basin and manhole inspections for illicit connections and non-stormwater discharges. If the required measurable goal of inspecting all catch basins and manholes for this purpose was not accomplished, please indicate reasons why, the proposed schedule of completion and identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement. The operator must keep records of all inspections and corrective actions required and completed. <b>Number of Catch Basins and Manholes Inspected for illicit connections/IDDE:</b> <u>940</u> <b>Percent Complete:</b> <u>100</u> % <b>Date of Completion:</b> <u>2007</u>
Paper copies of all inspections are kept in the Public Works Department at the Town Hall.  RIDOT completed inspections of structures in the Southwest Avenue drainage network in 2020.	
IV.B.3.b.5.vii	If dry weather surveys including field screening for non-stormwater flows and field tests of selected parameters and bacteria were not completed, indicate reasons why, proposed schedule for the completion of this measurable goal and person(s) / Department and/or parties for the completion of this requirement. Evaluate effectiveness of the implementation of this requirement. <b>The results of the dry weather survey investigations should be submitted to RIDEM electronically, if not already submitted or if revised since 2009, in the RIDEM-provided EXCEL Tables and should include visual observations for all outfalls during both the high and low water table timeframes, as well as sampling results for those outfalls with flow. The EXCEL Tables must include a report of all outfalls and indicate the presence or absence of dry weather discharges.</b> <b>Number of Outfalls Surveyed Jan-Apr:</b> <u>125</u> <b>Number of Outfalls Surveyed Jul-Oct:</b> <u>125</u> <b>Percent Complete:</b> <u>100</u> % <b>Date of Completion:</b> <u>2012</u>
The Town completed two dry weather surveys in 2007 as required by permit. In addition, dry weather surveys have been performed annually since 2007. The RIDEM provided Excel table is updated annually and is included electronically with this report.	
IV.B.3.b.7	Use the space below to provide a description of efforts and actions taken as a result of for coordinating with other physically interconnected MS4s, including State and federal owned or operated MS4s, when illicit discharges were detected or reported. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
<ul style="list-style-type: none"> <li>• In 2012, twenty-four (24) RIDOT catch basins were identified as receiving flow from the Jamestown municipal drainage system. The Town intends to continue sampling RIDOT outfalls where a Town interconnection is suspected. The list of the catch basin ID numbers is included as a report attachment.</li> <li>• In 2020, the Town met with RIDOT to coordinate inspection and maintenance of RIDOT managed structures within the Town MS4 area. This coordination was effective as the Town has a good working relationship with RIDOT and RIDEM personnel.</li> <li>• The Town of Jamestown and RIDOT are responsible for implementation of this requirement.</li> </ul>	
IV.B.3.b.8	Use the space below to provide a description of efforts and actions taken for the referral to RIDEM of non-stormwater discharges not authorized in accordance to Part I.B.3 of this permit or another appropriate RIPDES permit, which the operator has deemed appropriate to continue discharging to the MS4, for consideration of an appropriate permit. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
<ul style="list-style-type: none"> <li>• There were three (3) illicit discharges identified and referred to RIDEM and RIDOT in 2011. This coordination was effective as the Town has a good working relationship with RIDOT and RIDEM personnel.</li> <li>• An inspection of a new construction project located a pipe connected to a Town CB. The Building Official notified the owner and the pipe was removed.</li> <li>• One illicit discharge was identified in 2022 – a residential sump pump with laundry discharge was directed to a CB. DPW worked with the owner to eliminate the discharge.</li> </ul>	

**ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd**

IV.B.3.b.9	<p>Use the space below to provide a description of efforts and actions taken to inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste, as well as allowable non-stormwater discharges identified as significant contributors of pollutants. Include a description on how this activity was coordinated with the public education minimum measure and the pollution prevention/good housekeeping minimum measure programs. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.</p>
<ul style="list-style-type: none"> <li>• The Public Works Director is responsible for implementation of this requirement. The Highway Department Maintenance Garage properly stores and disposes of materials generated. The Town has received a template from the URI Cooperative Extension; this template has been populated with information specific to Jamestown.</li> <li>• The Building Official takes note of waste management as part of his site inspections. He implements changes as needed on the many small projects located across the Town</li> <li>• The combination of the Public Works and Building Officials is extremely effective</li> </ul>	
<p><b>Additional Measurable Goals and Activities</b></p> <ul style="list-style-type: none"> <li>• The Onsite Wastewater Management Program has been very effective in overseeing the proper operation and maintenance of over 1800 septic systems in Town.</li> <li>• In 2012, the Town set aside \$30,000 in capital to investigate the sources of fecal coliform to Sheffield Cove with a goal of mitigating the potential source and petitioning RIDEM to reopen the area to shellfishing. The Cove was closed to shellfishing in 2009 due to samples exceeding the threshold for fecal coliform.</li> <li>• ESS Group, Inc. was hired by the Town in 2015 to design and permit an innovative stormwater treatment system that includes a combination of bioretention and sand filtration to treat stormwater impacted by the fecal coliforms.</li> <li>• The Town received a grant from the Narragansett Bay Estuary Program and the New England Interstate Water Pollution Control Commission to construct the innovative stormwater system. The sand filtration portion of the project was constructed in 2017. When funding is available, additional sampling is proposed to determine the effectiveness of the system and to provide data to the RIDEM shell fishing program.</li> <li>• The Town has installed over 3000' of stormwater drainage piping on North Road. The new pipe system is directed toward a new sediment forebay for pretreatment prior to discharge into an existing water quality basin.</li> <li>• The Town received the RIDEM FWW permit to install stormwater drainage piping and treatment systems for an additional 3700' of roadway that currently discharges to the North Reservoir. Installation was completed in 2019.</li> <li>• Renovations to the Fort Getty pavilion allowed the Town to install a subsurface infiltration system for treatment of the stormwater captured on the rooftop.</li> </ul>	

**SECTION II.A Other Reporting Requirements - Illicit Discharge Investigation and System Mapping (Part IV.G.2.m)**

# of Illicit Discharges Identified in 2023: 0	# of Illicit Discharges Tracked in 2023: 0
# of Illicit Discharges Eliminated in 2023: 0	# of Complaints Received: 0
# of Complaints Investigated: 0	# of Violations Issued: 0
# of Violations Resolved: 0	# of Unresolved Violations Referred to RIDEM: 0
Total # of Illicit Discharges Identified to Date (since 2003): 5	Total # of Illicit Discharges remaining unresolved at the end of 2023: 0
<p><b>Summary of Enforcement Actions:</b></p> <ul style="list-style-type: none"> <li>• There was an unresolved illicit discharge in 2011. A local restaurant worker was discovered dumping FOG into a catch basin that eventually connected to the RIDOT stormwater system. Both the Town and RIDOT sent NOV's to the property owner. The restaurant has since closed. No further activity was identified.</li> <li>• In 2018, a complaint was received about a failed septic system discharging toward the roadway. The Town coordinated with RIDEM Compliance and Inspection to investigate. Discharge was determined to be a sump pump discharging clean water. Complaint was resolved in that the sump pump discharge was removed from the street drainage and redirected to a vegetated area.</li> </ul>	
Total # of Outfalls identified and mapped to date: <u>125</u>	
Total # of Interconnections with other MS4s identified and mapped to date: <u>24</u>	
Extent to which the MS4 system has been mapped (% complete): <u>100% of CB's, MH's and outfalls</u>	

**ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd**

Identify how the following components of the MS4 system have been mapped:	Not mapped	GIS	Auto CAD	Paper	Other (please specify)
Catch basins	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manholes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pipes, ditches, and other conduits	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow direction and connectivity	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interconnections with other regulated MS4s	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MS4-owned stormwater controls (BMPs, not including catch basins or manholes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Delineation of outfall catchment/drainage areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SECTION II.B Interconnections (Parts IV.G.2.k and IV.G.2.l)**

Interconnection:	Date Found:	Location:	Name of MS4:	Originating Source:	Planned and Coordinated Efforts and Activities with Connectee:
See attachment 2					



**MINIMUM CONTROL MEASURE #4:  
CONSTRUCTION SITE STORMWATER RUNOFF CONTROL  
(Part IV.B.4 General Permit)**

**SECTION I. OVERALL EVALUATION:**

**GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:**

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** Jean Lambert, Town Engineer

**Phone:** 401-423-7193 **Email:** jlambert@jamestownri.net

IV.B.4.b.1	<p>Indicate if the Sediment and Erosion Control and Control of Other Wastes at Construction Sites ordinance was <b>not</b> developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement.</p> <p><b>Date of Adoption:</b> <u>2005</u></p> <p>If the Ordinance was amended in 2023, please indicate why changes were necessary and provide references to the amended portions of the local codes/ordinances.</p>
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Article 5, Section 22 of the Jamestown Code of Ordinance was submitted to the RIDEM with year 2 annual report in 2005.

The Ordinance was not amended in 2023. Article V, Division 3, Section 22-256 of the Jamestown Code of Ordinance requires post-construction stormwater controls to be consistent with the RI Stormwater Design and Installation Standards Manual for development involving one acre or more of disturbance.

IV.B.4.b.6	<p>Use the space below to describe actions taken as a result of receipt and consideration of information submitted by the public.</p> <p>The Building Official inspects construction sites to ensure that erosion controls are in place. Thirty-two (32) building permits for new construction were issued in 2023. If necessary, the building official works with the Contractor and Homeowner to address all issues concerning runoff and/or erosion from the construction sites. In 2023, there were no instances that warranted a notice or sanction to insure compliance within the limits of the MS4.</p>
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IV.B.4.b.8	<p>Use the space below to describe activities and actions taken as a result of referring to the State non-compliant construction site operators. The operator may rely on the Department for assistance in enforcing the provisions of the RIPDES General Permit for Stormwater Discharges Associated with Construction Activity to the MS4 if the operator of the construction site fails to comply with the local and State requirements of the permit and the non-compliance results or has the potential to result in significant adverse environmental impacts.</p>
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There were no construction site enforcement issues referred to the State in 2023.

**Additional Measurable Goals and Activities**

No additional measurable goals and activities to report.

**CONSTRUCTION SITE STORMWATER RUNOFF CONTROL cont'd**

**SECTION II. A - Plan and SWPPP/SESC Plan Reviews during Year 20 (2023), Part IV.B.4.b.2:** Issuance of permits and/or implementation of policies and procedures for all construction projects resulting in land disturbance of greater than 1 acre.  
**Part IV.B.4.b.4:** Review 100% of plans and SWPPPs/SESC Plans for construction projects resulting in land disturbance of 1-5 acres, not reviewed by other State programs, must be conducted by adequately trained personnel and incorporate consideration of potential water quality impacts.

# of Construction Applications Received: <u>  3  </u> # of Construction Reviews Completed: <u>  3  </u> # of Permits/Authorizations Issued: <u>  3  </u>
<p><u>Summary of Reviews and Findings, include an evaluation of the effectiveness of the program.</u>                  The program is effective in identifying projects that need detailed review and distributing them internally to appropriate staff.</p> <p><u>Identify person(s) /Department and/or parties responsible for the implementation of this requirement:</u>                  The building official is responsible for implementation of this requirement. Site plan reviews are conducted in coordination with the Public Works Department. Ms. Lambert conducts reviews for the DPW. She is a registered professional engineer who has been trained through a combination of previous work experience and on the job training. In 2020, she completed the SESC Training - <u>CP213: Qualified Preparer of Stormwater Pollution Prevention Plans (QPSWPPP)</u>.</p> <p><u>Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained":</u>                  The Building Official, Mr. Medeiros, has been trained through a combination of previous work experience and on the job training.</p>

**SECTION II.B - Erosion and Sediment Control Inspections during Year 20 (2023), Parts IV.G.2.n and IV.B.4.b.7:** Inspection of 100% of all construction projects within the regulated area that discharge or have the potential to discharge to the MS4. (The program must include two inspections of all construction sites, first inspection to be conducted during construction for compliance of the Erosion and Sediment controls at the site, the second to be conducted after the final stabilization of the site.) Inspections must be conducted by adequately trained personnel.

# of Active Construction Projects: 65	
# of Site Inspections: 105	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
<p><u>Summary of Enforcement Actions, include an evaluation of the effectiveness of the program.</u>                  Every project in the regulated area is subject to multiple inspections during construction.</p> <p><u>Identify person(s) /Department and/or parties responsible for the implementation of this requirement:</u>                  The Building Official, Mr. Medeiros, has been trained through a combination of previous work experience and on the job training.</p> <p><u>Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained":</u>                  The Building Official, Mr. Medeiros, has been trained through a combination of previous work experience and on the job training.</p>	



**MINIMUM CONTROL MEASURE #5:  
POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND  
REVELOPMENT  
(Part IV.B.5 General Permit)**

**SECTION I. OVERALL EVALUATION:**

**GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:**

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints, etc. Please indicate if any projects have incorporated the use of Low Impact Development techniques. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** Jean Lambert, Town Engineer

**Phone:** 401-423-7193 **Email:** jlambert@jamestownri.net

IV.B.5.b.5	Use the space below to describe activities and actions taken to coordinate with existing State programs requiring post-construction stormwater management.
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No new projects in 2023.  
The Town installed approximately 6700 linear feet of stormwater drainage piping for the North Main Road Reconstruction Project. The project includes a closed drainage system that discharges to a new sediment forebay prior to discharge to an existing water quality basin, and, three water quality basins protecting the North Reservoir. The project had received approval from the RIDEM – RIPDES program in 2015 and was completed in 2019.

IV.B.5.b.6	Use the space below to describe actions taken for the referral to RIDEM of new discharges of stormwater associated with industrial activity as defined in §1.4(A)(111) in the <i>Regulations for the Rhode Island Pollutant Discharge Elimination System</i> (RIPDES Regulations) (the operator must implement procedures to identify new activities that require permitting, notify RIDEM, and refer facilities with new stormwater discharges associated with industrial activity to ensure that facilities will obtain the proper permits).
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There were no new discharges of stormwater associated with industrial activity in 2023.

IV.B.5.b.9	Indicate if the Post-Construction Runoff from New Development and Redevelopment Ordinance was <b>not</b> developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement. <b>Date of Adoption:</b> <u>2005</u> If the Ordinance was amended in 2023, please indicate why changes were necessary. <b>Please also indicate if amendments have been made based on the 2010 RI Stormwater Design and Installation Standards Manual, and provide references to the amended portions of the local codes/ordinances.</b>
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A Post-Construction Ordinance was adopted in year 2 of this program. Article V, Division 3, Section 22-256 of the Jamestown Code of Ordinance requires post-construction stormwater controls to be consistent with the RI Stormwater Design and Installation Standards Manual for development involving one acre or more of disturbance.

There were no amendments to the ordinance in 2023.

IV.B.5.b.12	Use the space below to describe activities and actions taken to identify existing stormwater structural BMPs discharging to the MS4 with a goal of ensuring long term O&M of the BMPs.
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- The Town will continue to identify BMP's as we develop our stormwater database in GIS.
- The detention ponds in the West Reach and East Passage sub-divisions, the three water quality basins at the north reservoir property, and the BMP's on Town property are annually inspected and maintained.
- Maintenance requirements for new BMP's on private property located in the High Groundwater District are recorded with the permit in the Land Evidence records and referenced to the property deed.

**Additional Measurable Goals and Activities:**

The High Groundwater Ordinance requires applicants to meet septic system design standards and to mitigate post-construction runoff for a 10-year frequency storm event. The Town is reviewing all plans for development within the Jamestown Shores. The area consists of pre-existing non-conforming lots with an average size of 7200 sf. The Ordinance has been effective in mitigating increases in runoff due to development, promoting the recharge of groundwater and providing treatment of the water quality volume associated with the new impervious surfaces.

**POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**  
*cont'd*

**SECTION II.A. - Plan and SWPPP/SWMP Reviews during Year 20 (2023), Part IV.B.5.b.4:** Review 100% of post-construction BMPs for the control of stormwater runoff from new development and redevelopment projects that result in discharges to the MS4 which incorporates consideration of potential water quality impacts (the program requires reviewing 100% of plans for development projects greater than 1 acre, not reviewed by other State programs). Plan reviews must be conducted by adequately trained personnel.

# of Post-Construction Applications Received: <u>  0  </u>
# of Post-Construction Reviews Completed: <u>  0  </u>
# of Permits/Authorizations Issued: <u>  0  </u>
<p>Summary of Reviews and Findings, <u>include an evaluation of the effectiveness of the program.</u>                  Seventeen (17) applications were reviewed in 2023 for the High Groundwater Ordinance. All of the applications were for residential development in the Jamestown Shores area on lots less than 20,000 sf. Eight (8) of the applications were exempt in that there was no or minimal increase in impervious surfaces. Remaining applicants mitigated the increase in stormwater runoff for the 10-year frequency storm utilizing best management practices including infiltration areas, dry wells and rain gardens. The Town Ordinance promotes the use of low impact development by recommending the use of low impact design practices that promote infiltration of stormwater.</p> <p><u>Identify person(s) /Department and/or parties responsible for the implementation of this requirement:</u>                  The Department of Public Works conducts reviews of the applications. The Building Official has oversight of installation.</p> <p><u>Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained":</u>                  Ms. Lambert conducts reviews for the DPW. She is a registered professional engineer who has been trained through a combination of previous work experience and on the job training. Ms. Lambert completed the <u>CP213: Qualified Preparer of Stormwater Pollution Prevention Plans (QPSWPPP)</u> course in 2020.</p>

**SECTION II.B. - Post Construction Inspections during Year 20 (2023), Parts IV.G.2.o and IV.B.5.b.10 - Proper Installation of Structural BMPs:** Inspection of BMPs, to ensure these are constructed in accordance with the approved plans (the program must include inspection of 100% of all development greater than one acre within the regulated areas that result in discharges to the MS4 regardless of whom performs the review). Inspections must be conducted by adequately trained personnel.

# of Active Construction Projects: 4 (>1 acre)	# of Construction Projects Completed: 0
# of Site Inspections for proper Installation of BMPs: 8	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
<p><u>Summary of Enforcement Actions:</u>                  No post-construction enforcement actions in 2023.</p> <p><u>Identify person(s) /Department and/or parties responsible for the implementation of this requirement:</u>                  The Building Official, Mr. Peter Medeiros, is responsible for this requirement.</p> <p><u>Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained":</u>                  The Building Official, Mr. Medeiros, has been trained through a combination of previous work experience and on the job training.</p>	

**SECTION II.C. - Post Construction Inspections during Year 20 (2023), Parts IV.G.2.p and IV.B.5.b.11 - Proper Operation and Maintenance of Structural BMPs:** Describe activities and actions taken to track required Operations and Maintenance (O&M) actions for site inspections and enforcement of the O&M of structural BMPs. Tracking of required O&M actions for site inspections and enforcement of the O&M of structural BMPs.

# of Site Inspections for proper O&M of BMPs: 0	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
<p>Summary of Activities and Enforcement Actions. Evaluate the effectiveness of the Program in minimizing water quality impacts.</p> <p>No post-construction enforcement actions in 2023.</p> <p>Identify person(s) /Department and/or parties responsible for the implementation of this requirement:                  The Building Official, Mr. Peter Medeiros, is responsible for this requirement.</p>	

**POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**  
*cont'd*

**Strategies for requiring the use of non-structural Low Impact Development (LID) site design practices and techniques into stormwater management designs for new and redevelopment projects, check all that apply in your municipality/MS4:**

- None
- Ordinances or by-laws requiring LID standards (e.g. reduced road widths, % conservation land, etc.)
- Ordinances or by-laws requiring LID design at conceptual review (i.e., Pre-application and/or Master Plan) stages for municipal review prior to plans being engineered.
- Ordinances or by-laws requiring LID standards only in impaired waterbody drainage areas
- Local development regulations requiring use of LID to the maximum extent practicable
- LID Guidance available in written form
- LID Guidance available at pre-application meetings
- Other strategies to ensure incorporation of LID to the maximum extent practicable, describe:

Cluster development required for >4-lot subdivisions

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Person(s)/Department responsible for reviewing submissions for LID:

Jamestown Town Planner – Lisa Bryer

Person(s)/Department/Board responsible for approving submissions for LID at Preliminary and/or Final Review, if applicable:

Jamestown Town Planner – Lisa Bryer

**Are you aware of the Municipal LID Self-Assessment that was introduced by the DEM and RI NEMO in 2019 and finalized and distributed in March 2020?**

Yes  No

**A final version of the Municipal LID Self-Assessment is available on the DEM's website:**

<http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/t4guide/lid-checklist-primer.pdf>

**Additional guidance is also available:**

<http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/t4guide/lid-assessment-fs.pdf>

<http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/pdfs/lidfactsheet.pdf>

<http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/t4guide/lidplan.pdf>

**Did your community complete the Municipal LID Self-Assessment?**  Yes  No

**If yes and it was completed in 2023, please provide a copy as an attachment to this Annual Report, if you have not already submitted it.**

**If no, does your community plan to complete it?**

Yes  No

If No, why not? \_\_\_\_\_

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**POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**  
*cont'd*

**Strategies being implemented to ensure long-term Operation and Maintenance (O&M) of privately-owned structural stormwater BMPs, check all that apply in your municipality/MS4:**

- None
- Ordinances or by-laws identify BMP inspection responsible party
- Ordinances or by-laws identify BMP maintenance responsible party
- Ordinances or by-laws identify BMP inspections and maintenance requirements
- Ordinances or by-laws provide for easements or covenants for inspections and maintenance
- Ordinances or by-laws require for every constructed BMP an inspections and maintenance agreement
- Ordinances or by-laws contain requirements for documenting and detailing inspections
- Ordinances or by-laws contain requirements for documenting and detailing maintenance
- Ordinances or by-laws contain authority to enforce for lack of maintenance or BMP failure
- The MS4 is responsible for inspections of all privately-owned BMPs
- The MS4 is responsible for maintenance of all privately-owned BMPs
- Establishment of escrow account for use in case of failure of BMP

Other strategies to ensure long-term O&M of privately-owned BMPs, describe:

The Town is responsible for maintenance of privately-owned BMP's associated with the Town drainage infrastructure in West Reach and East Passage subdivisions.

Does your municipality/MS4 require the use BMPs Operations and Maintenance Agreements?       YES     NO

If YES, please indicate if the Operations and Maintenance Agreements include the following:

a. Party responsible for the long-term O&M of permanent stormwater management BMPs	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
b. A description of the permanent stormwater BMPs that will be operated and maintained	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
c. The location of the permanent stormwater BMPs that will be operated and maintained	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
d. A timeframe for routine and emergency inspections and maintenance of all permanent stormwater management BMPs	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
e. A requirement that all inspections and maintenance activities are documented	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
f. Annual submission of inspection/maintenance certification/documentation to the MS4	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
g. Stormwater management easement for access for inspections and maintenance or the preservation of stormwater runoff conveyance, infiltration, and detention areas and other stormwater controls and BMPs by persons other than the property owner	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
h. Steps available for addressing a failure to maintain the stormwater controls and BMPs	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

Please elaborate, if appropriate:

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Does your municipality/MS4 keep an inventory of privately-owned BMPs? \*A partial list       YES     NO

**For privately-owned structural BMPs**, does your municipality/MS4 have a system for tracking:

a. Agreements and arrangements to ensure O&M of BMPs?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
b. Inspections?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
c. Maintenance and schedules?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
d. Complaints?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
e. Non-Compliance?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
f. Enforcement actions?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track post-construction BMPs, inspections, and maintenance?       YES     NO

If yes, please elaborate on which tools are used:

The Town has started a database of private BMP's approved under the High Groundwater Ordinance. Initially, we plan to monitor BMP installation but hope to include operation and maintenance tracking in the future. The Building Official tracks enforcement actions.

*NOTE: BMP maintenance tasks can be a great way to involve and educate the community to their purpose and function. BMPs have the potential to create a highly interactive environment for community members and volunteers to get involved.*



**MINIMUM CONTROL MEASURE #6:  
POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS  
(Part IV.B.6 General Permit)**

**SECTION I. OVERALL EVALUATION:**

**GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:**

Include information relevant to the implementation of each measurable goal, such as activities and practices used to address on-going requirements, and personnel responsible. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** Jean Lambert, Town Engineer

**Phone:** 401-423-7193 **Email:** jlambert@jamestownri.net

IV.B.6.b.1.i Use the space below to describe activities and actions taken to identify structural BMPs (these include but are not limited to: retention/detention basins, vegetated treatment, infiltration and pre-treatment controls, etc.) owned or operated by the small MS4 operator (the program must include identification and listing of the specific location and a description of all structural BMPs in the SWMPP and update the information in the Annual Report). Evaluate appropriateness and effectiveness of this requirement.

**Do you have an inventory of MS4-owned/operated BMPs?**       YES                       NO

**Total # of MS4-owned/operated BMPs** (does not include CBs or MHs): 11 total BMP's, 7 owned by Town

There are three (3) stormwater BMP's at the North Reservoir that were installed by the DPW in 2004 and 2019, one (1) BMP at the Highway Garage installed in 2009 and two (2) water quality basins at the Transfer Station. These BMP's are inspected and maintained annually. A sand filtration BMP was placed on-line in 2017 below Maple Avenue to provide water quality treatment of stormwater runoff to Sheffield Cove.

The Town maintains 4 detention basins located in 2 existing subdivisions on the island.

The Town annually maintains all the structural BMP's located on the island.

IV.B.6.b.1.ii Use the space below to describe activities and actions taken for inspections, cleaning and repair of detention/retention basins, storm sewers and catch basins with appropriate scheduling given intensity and type of use in the catchment area. Evaluate appropriateness and effectiveness of this requirement.

**# of MS4-owned/operated BMPs inspected in 2023:** 7

**# of MS4-owned/operated BMPs maintained/cleaned in 2023:** 7

**# of MS4-owned/operated BMPs repaired in 2023:** 7

Does your municipality/MS4 have a system for tracking:

- a. Inspection schedules of MS4-owned BMPs?       YES                       NO
- b. Maintenance/cleaning schedules of MS4-owned BMPs?       YES                       NO
- c. Repairs, corrective actions needed?       YES                       NO
- d. Complaints?       YES                       NO

Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track stormwater BMPs, inspections, and maintenance?       YES                       NO

Detention basins and water quality basins are cleaned and maintained annually.

The porous paving/sand filter system on Maple Ave was swept for annual maintenance.



**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

IV.B.6.b.1.vii	Use the space below to describe activities and actions taken for controls to reduce floatables and other pollutants from the MS4. Evaluate appropriateness and effectiveness of this requirement.
<p>The Town continues to fund the Youth Litter Corps during the summer months and fall weekends. The Corps is nine (9) part-time staff working six (6) hours per day, four (4) days per week. The Youth Corps program is very effective at reducing floatables and other pollutants from town properties and drainage systems. A copy of the annual report is attached.</p>	
IV.B.6.b.1.viii	<p>Use the space below to describe the method for disposal of waste removed from MS4s and waste from other municipal operations, including accumulated sediments, floatables and other debris and methods for record-keeping and tracking of this information.</p> <p>Do you have a system for tracking actions to remove and dispose of waste?     <input checked="" type="checkbox"/> YES     <input type="checkbox"/> NO</p>
<p>Sand and sediment removed from the MS4 is temporarily stockpiled at the transfer station property on North Main Road. This material is then transported and disposed of at the Central Landfill for use as daily cover. A total of 384 tons were removed in 2023.</p>	
IV.B.6.b.2	<p>Use the space below to describe any operations under the MS4's legal control, including activities and facilities, that have the potential to introduce pollutants into stormwater runoff, such as pesticide/herbicide/fertilizer application, chemical and waste handling and storage, vehicle fueling, vehicle washing, vehicle maintenance, sand/salt storage, snow disposal, facilities such as public works facilities with maintenance and storage yards, waste transfer stations, municipal wastewater and water treatment facilities, and municipal parking owned and operated by the MS4.</p> <p>Does your MS4 have any salt piles, or piles containing salt, used for deicing?  <input checked="" type="checkbox"/> YES     <input type="checkbox"/> NO</p> <p>If yes:          Are these piles covered to prevent exposure to rain, snow, snowmelt and/or runoff?  <input checked="" type="checkbox"/> YES     <input type="checkbox"/> NO</p> <p>If yes, check the type of cover used:  <input checked="" type="checkbox"/> Weatherproof permanent structure/shelter  <input type="checkbox"/> A temporary, secured, durable, waterproof covering (e.g., tarpaulin, polyethylene, polyurethane)</p> <p>Are these piles located on impermeable surfaces?  <input checked="" type="checkbox"/> YES     <input type="checkbox"/> NO</p>
<p>The DPW supervisor conducts routine visual inspection of the garage and property to ensure that equipment is properly maintained and that all spills are properly contained and cleaned. Vehicle maintenance is conducted within the highway garage.</p>	
IV.B.6.b.5	<p>For all facilities with discharges of stormwater associated with industrial activity, use the space below to describe and indicate activities and corrective actions for the evaluation of compliance. This evaluation must include visual quarterly monitoring; routine visual inspections of designated equipment, processes, and material handling areas for evidence of, or the potential for, pollutants entering the drainage system or point source discharges to waters of the State; and inspection of the entire facility at least once a year for evidence of pollution, evaluation of BMPs that have been implemented, and inspection of equipment. A Compliance Evaluation report summarizing the scope of the inspection, personnel making the inspection, major observations related to the implementation of the Stormwater Management Plan (formerly known as a Stormwater Pollution Prevention Plan), and any actions taken to amend the Plan must be kept for record-keeping purposes.</p>
<p>The DPW supervisor conducts routine visual inspection of the garage and property to ensure that equipment is properly maintained and that all spills are properly contained and cleaned.</p>	

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

IV.B.6.b.6	<p>Use the space below to describe all employee training programs used to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance for the past calendar year, including MS4 staff participation in trainings offered by other parties (e.g. SNEP, EPA) and all in-house training conducted by the municipality/MS4. Evaluate appropriateness and effectiveness of this requirement.</p> <p>How many stormwater management trainings have been provided to <i>municipal/MS4 employees</i> during this reporting period? <u>  1  </u></p> <p>What was the date of the training? <u>  6  </u> / <u>  </u> / <u>2023</u></p> <p>Training Topic(s): <u>  Good housekeeping  </u></p> <p>How many <i>municipal/MS4 employees</i> attended this training? <u>  12  </u></p> <p>What percent of <i>municipal/MS4 employees</i> in relevant positions and departments received stormwater management training? <u>  100  </u>%</p> <p>Have <i>municipal/MS4 employees</i> that are responsible for inspecting or cleaning catch basins also been trained to detect and report illicit connections or non-stormwater discharges?  <input checked="" type="checkbox"/> YES      <input type="checkbox"/> NO</p>
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All employees receive in-house training from the Director of Public Works.

All public works employees received training from the Director of Public Works every June prior to commencing stormwater system maintenance.

IV.B.6.b.7	<p>Use the space below to describe actions taken to ensure that new flow management projects undertaken by the operator are assessed for potential water quality impacts and existing projects are assessed for incorporation of additional water quality protection devices or practices. Evaluate appropriateness and effectiveness of this requirement.</p> <p>The Town continues to assess potential water quality impacts from proposed development projects. Stormwater management is discussed at pre-permitting meetings attended by the Town Staff and the applicants. Stormwater management, mitigation and treatment are considered for every proposed Town project.</p> <p>Additional Measurable Goals and Activities: N/A</p>
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**SECTION II.A - Structural BMPs (Part IV.B.6.b.1.i)** These include but are not limited to: retention/detention basins, vegetated treatment, infiltration, and pre-treatment controls, etc.

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:	Frequency of Inspection:
POND 1	North Main Road/North Reservoir	Town of Jamestown	Bioretention Pond/Forebay	Annual
POND 2	North Main Road/North Reservoir	Town of Jamestown	Bioretention Pond/Forebay	Annual
POND 3	West Reach Development	Privately Owned/ Town Maintained	Detention Pond/Forebay	Annual
POND 4	West Reach Development	Privately Owned/ Town Maintained	Detention Pond	Annual
POND 5	East Passage Development	Privately Owned/ Town Maintained	Detention Pond	Annual
POND 6	East Passage Development	Privately Owned/ Town Maintained	Detention Pond	Annual
POND 7	Transfer Station	Town of Jamestown	Detention Pond	Annual
POND 8	Transfer Station	Town of Jamestown	Detention Pond	Annual
POND 9	Highway Garage	Town of Jamestown	Detention Pond	Annual
SC 1	Maple Ave/Sheffield Cove	Town of Jamestown	Sand Filter	Annual
POND 10	North Main Road/North Reservoir	Town of Jamestown	Bioretention Pond/Forebay	Annual

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

**SECTION II.B - Discharges Causing Scouring or Excessive Sedimentation (Part IV.B.6.b.1.v)**

Outfall ID:	Location:	Description of Problem:	Description of Remediation Taken, include dates:	Receiving Water Body Name/Description:
N/A				

**SECTION II.C - Note any planned municipal/MS4-owned construction projects/opportunities to incorporate water quality BMPs, low impact development, or activities to promote infiltration and recharge (Part IV.G.2.j).**

No additional projects were completed in 2023.

Construction of Phase 1 of the North Main Road drainage project was completed in 2017. The project includes a closed drainage system discharging to an existing detention pond in West Reach. A sediment forebay was added to the basin. Construction of Phase 2 was completed in 2019. Phase 2 includes 3700 feet of stormwater piping discharging to water quality basins prior to the North Reservoir. One new water quality basin with a forebay was added and two existing basins were reconstructed with sediment forebays.

The overflow structure for POND2 in West Reach was reconstructed in 2017.

**SECTION II.D - Please include a summary of results of any other information that has been collected and analyzed. This includes any type of data (Part IV.G.2.e).**

No addition water quality sampling was conducted in 2022.

In the future, the Town plans to conduct additional water quality sampling in Sheffield Cove to determine the effectiveness of the BMP installation.



# TOTAL MAXIMUM DAILY LOAD (TMDL) or other Water Quality Determination REQUIREMENTS

**SECTION I. If you have been notified that discharges from your MS4 require non-structural or structural stormwater controls based on an approved TMDL or other water quality determination, please provide an assessment of the progress towards meeting the requirements for the control of stormwater identified in the approved TMDL (Part IV.G.2.d). Please indicate rationale for the activities chosen to address the pollutant of concern.**

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name & Title:** Jean Lambert, Town Engineer

**Phone:** 401-423-7193 **Email:** jlambert@jamestownri.net

LIST OF IMPAIRED WATERS:				
Impaired Water Body: Sheffield Cove (part of West Passage) WBID: RI0007027E-03L	Pollutants Causing Impairments: Fecal Coliform	Has TMDL been completed? 2024 Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Impaired Water Body: Fox Hill Pond WBID: RI0007027E-03K	Pollutants Causing Impairments: Fecal Coliform	Has TMDL been completed? 2024 Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Impaired Water Body: Jamestown Brook WBID: RI0007036R-01	Pollutants Causing Impairments: Iron, Lead, Copper, Pathogens (TMDL for fecal coliforms completed 9/22/11)	Has TMDL been completed? 2026 Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
What kind of public education and outreach strategy does the MS4 implement to target each pollutant of concern? (e.g., signage on installed stormwater controls, resources on website, pamphlets about litter, pet waste, grass clippings, fertilizer use, etc.)				
Pollutant of Concern: Fecal Coliforms	Strategy: Distribute brochure to public about managing pet waste; install and maintain pet waste pick up stations	Target Audience: Pet owners and general population		
Has the MS4 installed stormwater BMPs or required the installation of stormwater BMPs on private property to address impairments? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
If yes, indicate the name of the impaired water body associated with the stormwater control, type of stormwater control, date installed, ownership, and who is responsible for maintenance:				
Impaired water body: Sheffield Cove	Type of Stormwater Control: Infiltration filter	Date Installed: December 2017	<input checked="" type="checkbox"/> Municipally/MS4-Owned <input type="checkbox"/> Privately-Owned	Who maintains it? Town of Jamestown

***TOTAL MAXIMUM DAILY LOAD (TMDL) OR OTHER WATER QUALITY DETERMINATION REQUIREMENTS cont'd***

Additional enhanced minimum measures used to address water quality issues (e.g., increased street sweeping or catch basin cleaning in areas with high pollutant loading, installation of floatable traps/screens, etc.):

In 2011, Jamestown Brook (RI0007036R-01) was listed on the statewide bacteria TMDL List for exceedances of Iron, Lead, Copper and pathogens. TMDL is scheduled for 2026. A TMDL for fecal coliforms was completed 9/22/2011.

The Town believes that the bacteria problem originates from wildlife in the contributing watershed area. The watershed to the Jamestown Brook is primarily forested and open space with small residential area. The primary roadway within the watershed is the RIDOT roadway (North Road). The Town is currently working with RIDOT to develop enhanced water quality treatment in the watershed.

Fox Hill Pond and Sheffield Cove are scheduled for TMDL's in 2024.



## SPECIAL RESOURCE PROTECTION WATERS (SRPWs)

**SECTION I.** In accordance with Title 250 RICR-150-10-1 (“RIPDES Regulations”) §1.32(A)(5)(a)(7), on or after March 10, 2008, any discharge from a small municipal separate storm sewer system to any Special Resource Protection Waters (SRPWs) or impaired water bodies within its jurisdiction must obtain permits if a waiver has not been granted in accordance with RIPDES Regulations §1.32(G)(5)(c). A list of SRPWs can be found in Title 250-RICR-150-05-1 (“Water Quality Regulations”) §1.28 at this link:

<https://rules.sos.ri.gov/regulations/part/250-150-05-1>

The State of Rhode Island 2022 Integrated Water Quality Monitoring and Assessment Report (which includes the Section 305(b) State of the State’s Waters Report and the Section 303(d) List of Impaired Waters) can be found here: <https://dem.ri.gov/sites/g/files/xkqbur861/files/2022-09/RIDEM%202022%20Integrated%20Report%2003-29-2022.pdf>

If you have discharges from your MS4 (regardless of its location) to any of the listed SRPWs or impaired waters (including impaired waters when a TMDL has not been approved), please provide an assessment of the progress towards expanding the MS4 Phase II Stormwater Program to include the discharges to the aforementioned waters and adapting the Six Minimum Control Measures to include the control of stormwater in these areas. Please indicate a rationale for the activities chosen to protect these waters. Please note that all of the measurable goals and BMPs required by the 2003 MS4 General Permit may not be applicable to these discharges.

The Town SRPWs include the following waterbodies associated with the Jamestown Water Supply:

- Jamestown Brook
- North Carr Pond (North Reservoir)
- South Watson Pond

There are no Town discharges to Jamestown Brook or South Watson Pond. The Town is coordinating with the RIDOT to address discharges from the State roadway toward Jamestown Brook.

A portion of North Road discharges via overland flow toward the North Reservoir. There are three existing water quality basins (bioretention areas with sediment forebays) that capture flow for treatment prior to discharge into the North Reservoir.



# **THE TOWN OF JAMESTOWN, RHODE ISLAND**

## **2023 RIPDES SMALL MS4 ANNUAL REPORT**

### **LIST OF ATTACHMENTS**

1. Copy of Public Notice
2. List of Town-State Catch Basin Interconnection ID's
3. Town Street Sweeping Map
4. Town Municipal Waste Summary – Alt Cover from Street Sweepings
5. Outfall Sampling Statement
6. Pet Waste Management Brochure
7. Outfall Location Mapping
8. Recycling Mailing
9. Youth "Green Team" Report



# TOWN OF JAMESTOWN

## Public Notice

### **Draft 2023 Phase II Stormwater Annual Report**

Public notice is hereby given of the draft Phase II Stormwater Annual Report prepared in accordance with the RIPDES program general permit for storm water discharges from small municipal separate storm water systems. A copy of the DRAFT Phase II Storm Water Annual Report may be obtained by visiting The Town's website at: [www.jamestownri.gov](http://www.jamestownri.gov) Further information about the draft annual report is available in the Engineering Office of The Public Works Department. Contact Jean Lambert at (401) 423-7193.

## Jamestown Town-State Interconnections

CB ID Numbers with Connections between Town Pipes and State System:

53-2  
63-3  
65-11  
65-17  
65-28  
65-3?  
65-31  
65-46  
65-49  
65-52  
65-66  
71-1  
71-19  
71-32  
71-33  
85-7  
95-3  
95-6  
100-2  
100-27  
101-4  
115-4  
115-5  
117-1



# THE TOWN OF JAMESTOWN

## PUBLIC WORKS DEPARTMENT 2023 Street Sweeping Record

Phase II Regulated Area  
contains approx. 24 miles of  
Town Roads



Notes:

Approximately 39 miles of roads were swept in 2023. All Town maintained roads in the Phase II regulated area were swept. In addition, the parking lots for all Town maintained buildings were swept. RIDOT sweeps all State roads within the Town each year.



# RIRRC Municipal Customer Monthly Summary: Jamestown - December 2023

## Municipal Cap Summary:

For the current fiscal year, as of December 31 2023, Jamestown has tipped 1,088 refuse tons (59.3%) of its 1,835 ton cap, and has delivered 479 tons of recyclables to the Materials Recycling Facility, for a MRF Recycling Rate of 30.5%.

## 13 Month Material Summary By Customer Account:

Material (Code): Account	Dec-2022	Jan-2023	Feb-2023	Mar-2023	Apr-2023	May-2023	Jun-2023	Jul-2023	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023	12 Month Total
<b>Transactions Measured in Tons</b>														<b>Ton</b>
<b>Municipal Cap Wastes</b>	167	167	134	149	174	214	215	247	197	148	167	174	156	2,141
MUNICIPAL WASTE (201): JAME471693	167	167	134	149	174	214	215	240	197	148	167	174	156	2,135
MRF REJECTED LOAD (714R): JAME471693	0	0	0	0	0	0	0	7	0	0	0	0	0	7
<b>MRF Recycling</b>	93	78	62	75	73	88	101	99	108	74	59	67	72	956
MUNICIPAL SINGLE STREAM RECYCLABLES (714): JAME470693	93	78	62	75	73	88	101	99	108	74	59	67	72	956
<b>Compostables</b>	21	120	217	22	0	11	9	16	36	42	0	0	0	472
LEAF/YARD DEBRIS (312): JAME471693	11	120	208	0	0	11	9	0	36	42	0	0	0	425
SEGREGATED STUMPS/3 " PLUS BRANCHES (335): JAME471693	10	0	9	22	0	0	0	16	0	0	0	0	0	47
<b>Other Wastes</b>	21	0	0	0	91	0	61	0	25	0	0	0	0	177
SEWAGE TREATMENT GRIT/RAGS (314G): JAME471693	0	0	0	0	7	0	0	0	0	0	0	0	0	7
ALT. CVR. SCREENED STREET SWEEPINGS (355): JAME471693	21	0	0	0	84	0	61	0	25	0	0	0	0	170

<i>Material (Code): Account</i>	<i>Dec-2022</i>	<i>Jan-2023</i>	<i>Feb-2023</i>	<i>Mar-2023</i>	<i>Apr-2023</i>	<i>May-2023</i>	<i>Jun-2023</i>	<i>Jul-2023</i>	<i>Aug-2023</i>	<i>Sep-2023</i>	<i>Oct-2023</i>	<i>Nov-2023</i>	<i>Dec-2023</i>	<i>12 Month Total</i>
<b>Finished Compost</b>	0	0	0	0	0	0	27	0	0	0	0	0	0	27
<i>Compost - Municipal (670): JAME471693</i>	0	0	0	0	0	0	27	0	0	0	0	0	0	27
<b>Other Recycling</b>	0	0	0	0	0	4	0	0	4	0	0	0	0	9
<i>TIRES (307): JAME471693</i>	0	0	0	0	0	4	0	0	4	0	0	0	0	9
<b>Total Tons</b>	<b>302</b>	<b>365</b>	<b>413</b>	<b>246</b>	<b>338</b>	<b>318</b>	<b>414</b>	<b>362</b>	<b>369</b>	<b>264</b>	<b>226</b>	<b>241</b>	<b>227</b>	<b>3,782</b>
<b><i>Transactions Measured in Units</i></b>														<b><i>Each</i></b>
<b>Bins</b>	0	0	0	0	0	0	0	0	0	150	0	0	0	150
<i>22 GALLON BLUE RECYCLING BINS (920): JAME998879</i>	0	0	0	0	0	0	0	0	0	150	0	0	0	150
<b>Fee</b>	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<i>REJECTED LOAD RELOAD FEE - MRF (502M): JAME471693</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<b>Other Wastes</b>	0	0	0	0	0	1	0	0	0	0	0	0	0	1
<i>MATTRESSES, BOX SPRINGS (328): JAME471693</i>	0	0	0	0	0	1	0	0	0	0	0	0	0	1
<b>Total Units</b>						1		1		150				152
<b>Total Transactions</b>	<b>56</b>	<b>65</b>	<b>68</b>	<b>50</b>	<b>48</b>	<b>57</b>	<b>66</b>	<b>59</b>	<b>62</b>	<b>54</b>	<b>41</b>	<b>47</b>	<b>44</b>	<b>717</b>



Jean Lambert  
Jamestown Water  
93 Narragansett Ave. PO Box 377  
Jamestown, RI 02835

**RE: Outfall Sampling**

Dear Jean Lambert:

We appreciate this opportunity to provide you with our analytical services. BAL Laboratory is committed to providing the highest quality service. Our dedication to each client includes responsiveness to emergencies, dependability, well-written reports and superior client services.

Enclosed is your data report for **Work Order Number D308438**. The invoice for this project is included with this report unless other arrangements have previously been made with the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department. We value our continued relationship and look forward to hearing from you in the future.

Sincerely,

BAL Laboratory

Laurel Stoddard  
Laboratory Director

RI Laboratory License Number: RI LAI00036  
MA Laboratory License Number: M-RIM01

enclosure

**REVIEWED**  
By SOLiynyk at 3:05 pm, Aug 28, 2023

*Industrial Microbiology - Environmental Investigation - Biological and Specialty Analyses of Water and Wastes - Pollution Tracking and Source Determination - Monitoring Programs - Trend Assessments - Seafood Analyses - Drinking Water Quality - Biosolids and Compost Testing - Biofilter Assessment - Bioaerosol Monitoring - Corrosion Analysis*



# BAL Laboratory

The Microbiology Division of Thielsch Engineering, Inc.

## CERTIFICATE OF ANALYSIS

Client: Jamestown Water  
 Client Project ID: Outfall Sampling

Work Order Number: D308438  
 Date Received: 08/23/23 11:43

### Microbiology

**Client Sample ID:** 82  
**BAL Sample ID:** D308438-01 **Matrix:** Surface Water **Sampled:** 08/23/23 09:05

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Method</u>
Fecal Coliform	160	CFU/100mL	08/23/23 12:30	RAN	9222D

**Client Sample ID:** 71  
**BAL Sample ID:** D308438-02 **Matrix:** Surface Water **Sampled:** 08/23/23 09:14

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Method</u>
Fecal Coliform	500	CFU/100mL	08/23/23 12:30	RAN	9222D

**Client Sample ID:** 74A  
**BAL Sample ID:** D308438-03 **Matrix:** Surface Water **Sampled:** 08/23/23 09:25

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Method</u>
Fecal Coliform	<1	CFU/100mL	08/23/23 12:30	RAN	9222D

**Client Sample ID:** 1  
**BAL Sample ID:** D308438-04 **Matrix:** Surface Water **Sampled:** 08/23/23 09:58

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Method</u>
Fecal Coliform	190	CFU/100mL	08/23/23 12:30	RAN	9222D

**Client Sample ID:** 8  
**BAL Sample ID:** D308438-05 **Matrix:** Surface Water **Sampled:** 08/23/23 10:06

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Method</u>
Fecal Coliform	120	CFU/100mL	08/23/23 12:30	RAN	9222D

**Client Sample ID:** 9  
**BAL Sample ID:** D308438-06 **Matrix:** Surface Water **Sampled:** 08/23/23 10:15

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Method</u>
Fecal Coliform	690	CFU/100mL	08/23/23 12:30	RAN	9222D



# BAL Laboratory

The Microbiology Division of Thielsch Engineering, Inc.

Attachment 5-3

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## CERTIFICATE OF ANALYSIS

Client: Jamestown Water  
Client Project ID: Outfall Sampling

Work Order Number: D308438  
Date Received: 08/23/23 11:43

### Notes and Definitions

MF Membrane Filtration  
MPN Most Probable Number  
TNTC Too Numerous to Count  
dry Sample results reported on a dry weight basis  
CFU Colony Forming Units

# BAL Laboratory

The Microbiology Division of Thielsch Engineering, Inc.  
185 Frances Avenue, Cranston, Rhode Island 02910  
401-785-0241 FAX 401-785-2374

## CHAIN OF CUSTODY

Town of Jamestown  
93 Narragansett Avenue  
Jamestown, RI 02835

PROJECTNAME:

RIPDES 2023 Dry Weather Sampling

LOCATION:

Jamestown, Rhode Island

NUMBER:

D308438

Source Code:

W = Well  
LF = LandfillO = Outfall  
T = Treatment FacilityRO = Runoff  
L = Lake/OceanB = Bottom Sediment  
X = Other/Specify \_\_\_\_\_DR = Diluent River  
DO = Diluent Ocean

BAL Sample No.	Sample ID.	Source Code	Sample Type Grab Comp.		Container				Analysis Required	Date/Time of Collection	
					No.	Type	Size	Pres.		Start	End
1	82	0	X		500 mL	P	Varies	I	Fecal Coliform, CFU	Date: 8/23/23 Time: 9:05	
2	71	0	X		500 mL	P	Varies	I	Fecal Coliform, CFU	Date: 8/23/23 Time: 9:14	
3	74A	0	X		500 mL	P	Varies	I	Fecal Coliform, CFU	Date: 8/23/23 Time: 9:25	
4	1	0	X		500 mL	P	Varies	I	Fecal Coliform, CFU	Date: 8/23/23 Time: 9:58	
5	8	0	X		500 mL	P	Varies	I	Fecal Coliform, CFU	Date: 8/23/23 Time: 10:06	
6	9	0	X		500 mL	P	Varies	I	Fecal Coliform, CFU	Date: 8/23/23 Time: 10:15	
<del>7</del>		<del>0</del>	<del>X</del>		<del>500 mL</del>	<del>P</del>	<del>Varies</del>	<del>I</del>	<del>Fecal Coliform, CFU</del>	<del>Date: 8/23/23 Time:</del>	

CONTAINER TYPE:

P = Plastic

E = EPA Vial

C = Cube

G = Glass

A = Amber Glass

B = Bacteria

PRESERVATION CODE:

I = Iced

F = Filtered

N = Nitric Acid

H = Hydrochloric Acid (HCL)

S = Sodium Hydroxide (NaOH)

T = Sodium Thiosulfate

O = Other/Specify

Samplers Signature

Affiliation

Date

Time

Transfers  
Relinquished By:

Accepted By:

Date

Time

Jean Lambert

Town of  
Jamestown

8/23/23

11:43 am

Additional Comments:

Jean Lambert  
(401)-8423-7193

jlambert@jamestownri.net

Jean Lambert

P

8/23/23 1143

Method of Shipment:

Hand delivered

Date

Time

**COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**Certified Parameter List as of: 25 APR 2023**

**M-RIM01 BAL LABORATORY  
CRANSTON RI**

**NON POTABLE WATER (MICROBIOLOGY)      Effective Date      29 JAN 2019      Expiration Date      30 JUN 2024**

**Analytes**

E. COLI	AMBIENT WATER
ENTEROCOCCI	AMBIENT WATER
FECAL COLIFORM	WASTEWATER
FECAL COLIFORM	WASTEWATER
E. COLI	WASTEWATER
ENTEROCOCCI	WASTEWATER

**Methods**

MPN-SM9221F  
ENTEROLERT  
MPN-SM9221E  
MF-SM9222D  
MPN-SM9221F  
ENTEROLERT

**POTABLE WATER (MICROBIOLOGY)      Effective Date      15 DEC 2022      Expiration Date      30 JUN 2024**

**Analytes**

HETEROTROPHIC PLATE COUNT	
TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)
TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)
TOTAL COLIFORM	SOURCE WATER (ENUMERATION)
TOTAL COLIFORM	SOURCE WATER (ENUMERATION)
E. COLI	SOURCE WATER (ENUMERATION)
E. COLI	SOURCE WATER (ENUMERATION)

**Methods**

SM9215B  
EPA 1604  
ENZ. SUB. SM9223  
ENZ. SUB. SM9223  
EPA 1604  
MF-SM9222B  
EPA 1604  
EPA 1604  
NA-MUG-SM9222G



State of Rhode Island and Providence Plantations  
DEPARTMENT OF HEALTH

APPENDIX TO ANALYTICAL LABORATORY CERTIFICATE No. LAI00036

BAL Laboratory  
185 Frances Avenue  
Cranston, RI 02910  
401 785-0241

Expiration Date: December 31, 2023      Date Issued: February 6, 2023

**Potable Water - Microbiology**

Total Coliform	SM9221B
Total Coliform MF	SM9222B (m-Endo)
Total Coliform	SM9223B Colilert
Total Coliform	SM9223 B Colisure PA
Total Coliform	SM9223 COL ertQT
Total Coliform	SM9223 COLert-18QT
E.Coli	SM9222B M-Endo + G(EC MUG)
Fecal Coliform	SM9222D m FC
Fecal Coliforms	SM9221E
Total Coliform	EPA 1604 MF
E.Coli	EPA 1604 MF
E.Coli	SM9221B F ECMUG
E.Coli	SM9223 Colilert PA
E.Coli	SM9223 B Colisure PA
E.Coli	SM9223 COL ertQT MPN
E.Coli	SM9223 COLert-18QT MPN
Heterotrophic Plate Count	SM9215B
E.Coli	SM9213D
E.Coli	EPA 1103.1 m TEC
Enterococci MPN	Enterolert IDEXX

**Non-Potable Water - Microbiology**

Total Coliform	SM9221B LTB
Fecal Coliform	SM9221B + E + C
Fecal Coliform	SM9222D m FC
Fecal Coliform MPN	SM9223B (Colilert18 Quanti-Tray)
E. coli	SM9221B + F ECMUG
E. coli	EPA 1103.1 (mTEC)
E. coli	SM9213D
Enterococci MPN	Enterolert IDEXX
Enterococci MF	EPA 1600 mEI

## PROTECT OUR WATERS

Pet waste may not be the first pollutant that springs to mind when you think of protecting Narragansett Bay and the water surrounding Jamestown but it certainly plays a role! Leaving pet waste on your lawn, dumping it in the storm sewer, or leaving it on the sidewalk or street are all ways that you may be polluting our water resources and causing a hazard to your own health without even realizing it.

Pet waste doesn't just decompose, it adds harmful bacteria and nutrients to local water. By cleaning up after your pet, you will be doing your part to protect yourself and the environ-



THERE'S NO SUCH THING AS THE POOP FAIRY



ONLY YOU CAN MAKE YOUR PET WASTE DISAPPEAR!

TOWN OF JAMESTOWN PET WASTE EDUCATION PROGRAM



This project was funded by an agreement (CE00A0004) awarded by the Environmental Protection Agency to the New England Interstate Water Pollution Control Commission in partnership with the Narragansett Bay Estuary Program.



# Only YOU Can Prevent POO-llution



BE THE SOLUTION TO STORM WATER POLLUTION!

DISPOSING OF YOUR PET'S WASTE CAN MAKE A BIG DIFFERENCE TO OUR WATERWAYS

# SCOOP IT!

# BAG IT!

# TRASH IT!

## WHAT'S THE PROBLEM?

When you fail to clean up after your pet, the poop left on sidewalks, streets and lawns is both unpleasant and a nuisance. But it can become an even bigger problem when it rains and is carried by stormwater into near-ponds, marshes and waterways to Narragansett Bay. It can create a health hazard for people and can "doo" a lot of damage to the environment.

- According to the EPA, dogs can serve as hosts for up to 65 diseases that can be transmitted to humans. If left on the ground, these parasites, bacteria and viruses can contaminate the water, soil, and infect both pets and humans.
- Water that contains high levels of bacteria and other pathogens from animal waste are unfit for human contact.
- As pet waste decays, it uses up oxygen that fish and aquatic life need.
- Locally, Sheffield Cove has been closed to shellfishing since 2009 because of increased bacterial counts. Water quality sampling has shown that the bacteria can be traced back to animal waste.

## DID YOU KNOW?

According to the EPA, a typical dog (around 40 pounds) excretes 274 pounds of waste per year.



## BE THE SOLUTION!

Picking up after your pet is part of being a responsible owner. It avoids unpleasant surprises for those that follow and prevents your pet's waste from causing water pollution and health hazards. And it's the law!

Doing the right thing is easy! Pick up after your pet every time you take them out.

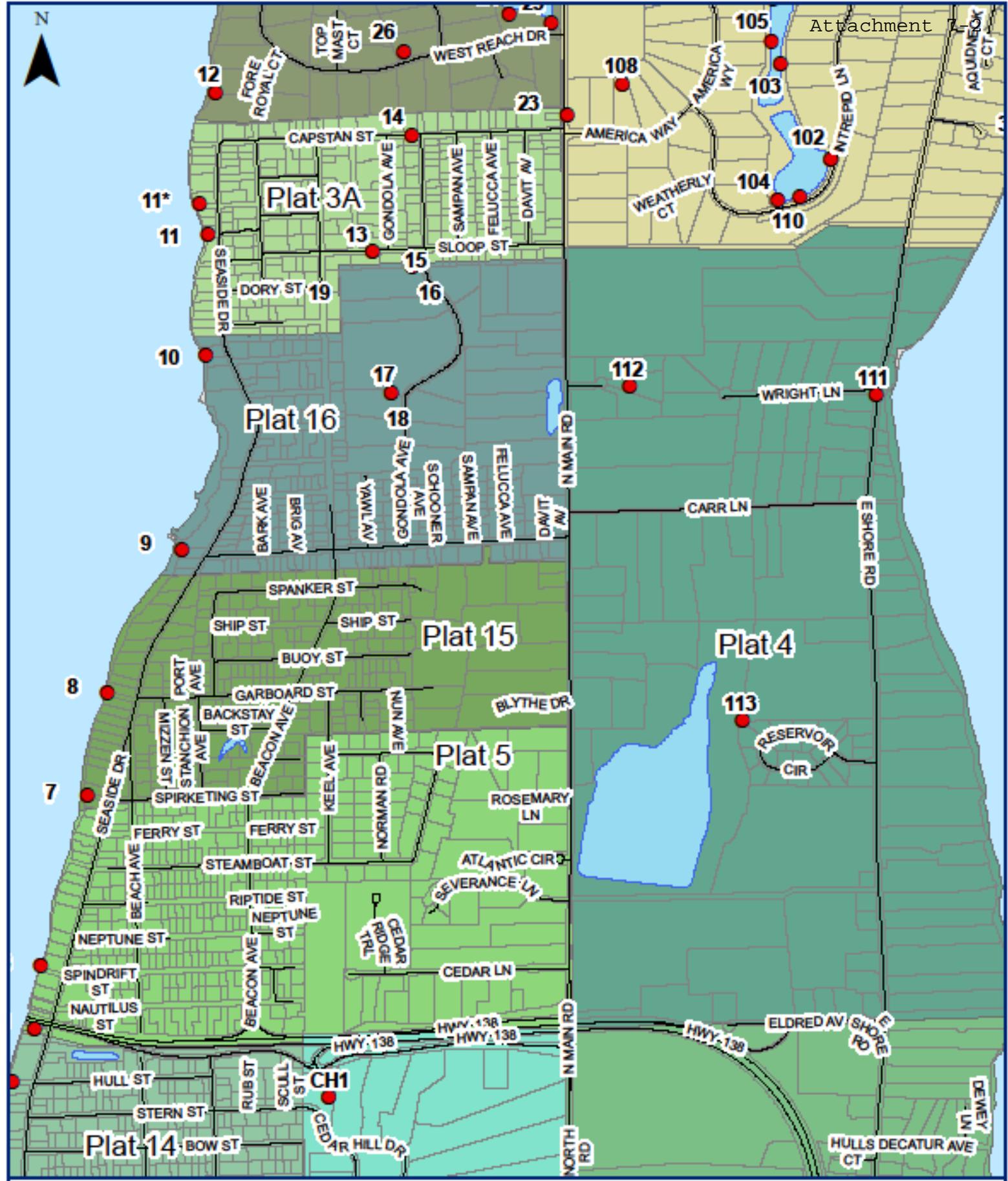
## ONLY YOU CAN PREVENT POO-LLUTION!

## HANDY TIPS

- Put bags in the car or tie them to the leash so you'll be prepared when you travel with your pet.
- Place bags by the door so you don't forget them.
- Carry disposable bags and pick up after your pet when out on walks.
- Properly dispose of pet waste by bagging the waste and depositing it in a trash can.
- Talk to your family and friends about stormwater pollution and picking up after their pets!
- Please do not throw bagged pet waste in storm drains or leave it on the ground or toss it in the woods.
- Reuse bags that would have ended up in the trash to pick up after your pet. Ask your neighbors, coworkers and friends to collect bread or newspaper bags.



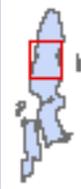


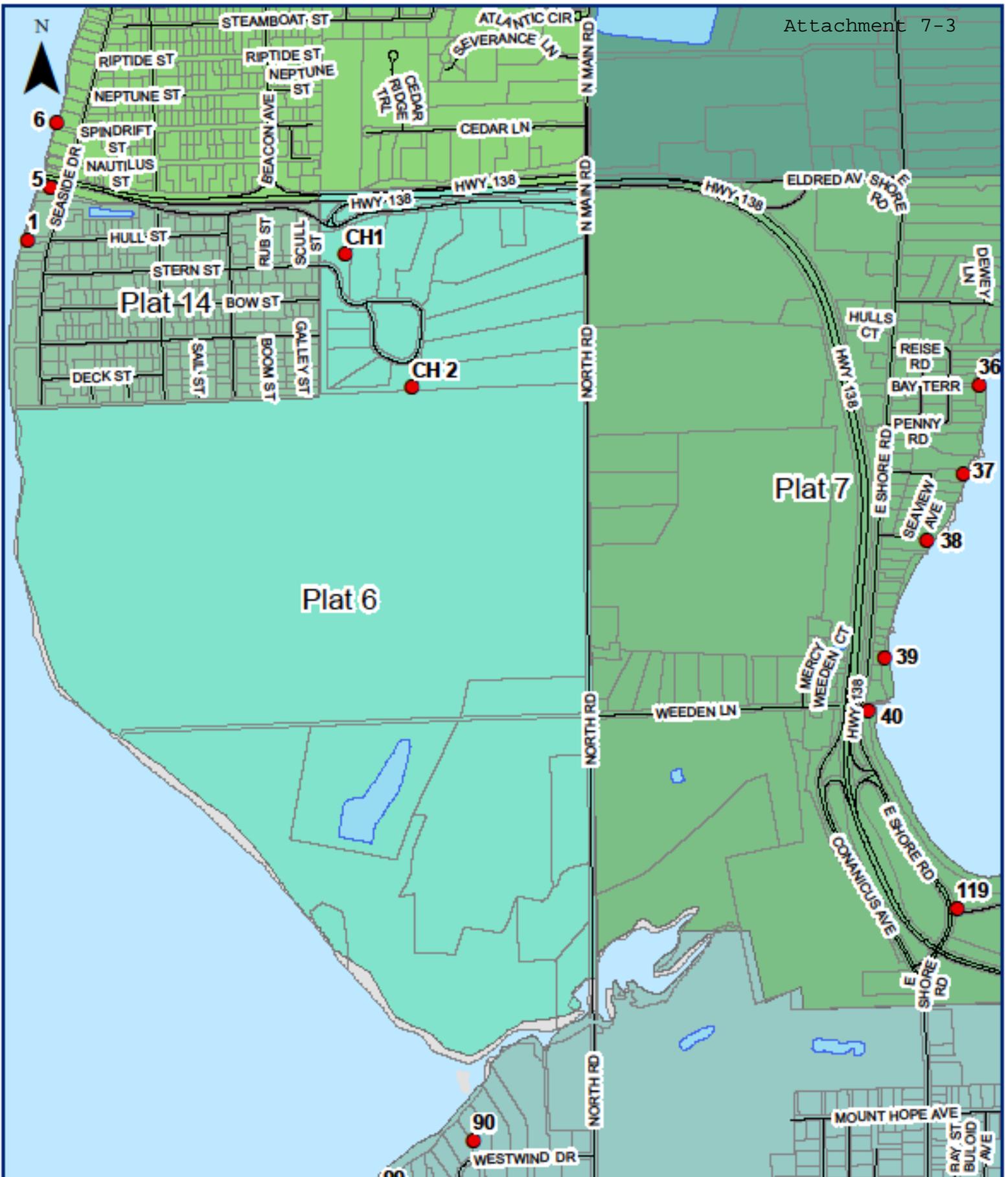


Attachment

## THE TOWN OF JAMESTOWN, RI PHASE II OUTFALL SAMPLING MAPS

● Outfalls     
  0    500    1,180    Feet     
 1 inch = 1,030 feet



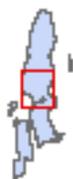


## THE TOWN OF JAMESTOWN, RI PHASE II OUTFALL SAMPLING MAPS

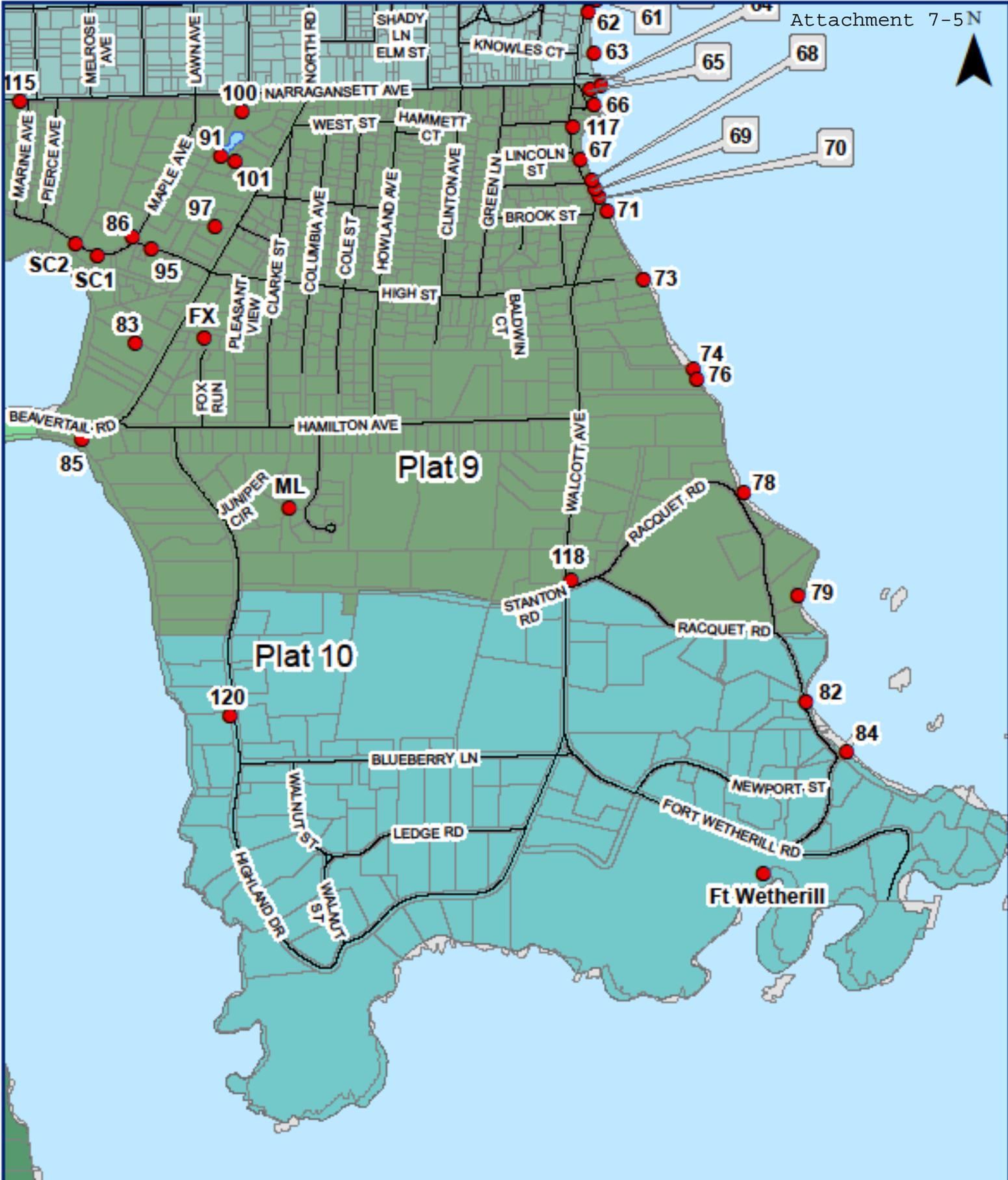
● Outfalls

0 500 1,180 Feet

1 inch = 1,029 feet







**THE TOWN OF JAMESTOWN, RI  
PHASE II OUTFALL SAMPLING MAPS**

● Outfalls

0 550 1,100  
Feet

1 inch = 962 feet







Plat 13

Plat 12

92

93

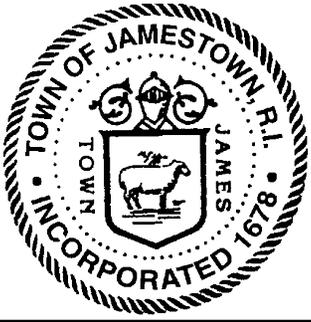
**THE TOWN OF JAMESTOWN, RI  
PHASE II OUTFALL SAMPLING MAPS**

● Outfalls

0      550      1,100  
Feet

1 inch = 982 feet





# JAMESTOWN ALSO RECYCLES...

## RESIDENTS ONLY



**Tires**



**Motor Oil**



**Heavy Plastics**

(buckets, trash cans, storage bins, lawn furniture, plastic shelving)



**Appliances**



**Batteries**



**Scrap Metal**



**Mattresses & Box Springs**

(Call to confirm before drop-off)



**Yard Waste**

(no trees, brush, or wood debris)

## AT THE JAMESTOWN TRANSFER STATION

- Free for ALL Jamestown residents (no sticker needed)
- Questions? Call the Transfer Station at 423-1067 or Jean Lambert at 423-7193
- **NON-COMMERCIAL RECYCLING ONLY**
- No electronics or paint recycling



# mixed recycling



paper, cardboard (flattened) and cartons only



metal cans, lids and foil only



glass bottles and jars only



plastic containers only

empty at a minimum, rinsed whenever possible

NOT FOR USE AS A LABEL: Rhode Island's official mixed recycling container labels are copyright and trademark protected by Recycle Across America®. Public and private entities should contact Resource Recovery for labels.

## These items do not belong in your recycling bin or cart



no plastic bags, bags of bags, or recycling inside of bags



no more than a trace of food or beverage residue



no fiber that isn't paper, cardboard or cartons (e.g. textiles or wood)



no paper shreds, napkins, tissues, or paper towels



no metal that isn't a can, lid, or foil (e.g. pans)



no glass that isn't a bottle or jar (e.g. drinking glasses)



no plastic that isn't a container (e.g. hangers)



no foam containers



no containers from flammable materials or oily chemicals

Containers for mixed recycling in Rhode Island vary in color and size. If you're unsure of which container to use, ask your city or town's Department of Public Works, property owner, or property manager.

Follow these guidelines and you'll be a great recycler! If you want to be a SUPER recycler, get more details at [rirc.org/mixed-recycling](http://rirc.org/mixed-recycling)

For information on recycling, composting, or disposal of other items, visit [RIRRC.org](http://RIRRC.org).



## Jamestown Youth Litter & Conservation Team

### Annual Report 2023

All years with the Litter Team are good years!

Although we started off slow due to the Team members personal camps, travel and internships we ended up strong in full swing by the third week of July. I spent a great deal of time with Alex and Sophia which I am truly grateful getting to know each one of them was a great learning experience. Alex had grown so much as a person and was so willing to be involved with anything thrown his way. ( he is very good at speaking with the public, and very helpful to them as well). He was a huge asset to me and the entire team. Sophia being the only new member learned quickly becoming a full on working member of the team.

Lillian, Michaela and Isabella were of course strong working members who all add leadership skills, know the job well and are feel very strongly about the environment. I am proud to know them and have had the privilege of working with them all.

We have all chosen the Fort Getty dock as the most improved location. The barrels are one for trash and one for recycle. Both barrels were used exactly for that. We found very little trash in recycling and very little recycling in the trash. The entire dock all season was clean, picked up and kept in well shape. The first year I remember it running so well. ( Help from Mr.Pirnro keeping eye over the dock.)

We also noticed better usage of the barrels at: The Beach, Taylors point , and Park Dock.

The goal next year is to see improvement at Fort Getty.

One quick story: We found a huge fishing net with weighted buoys at Hulls Cove. Lillian and I tried hard to get the net off the rocks. We had to call the others to help us. We finally got it off the rocks and on to the beach, I told them we had to leave it and get Ronnie to help us.

We went back a few days later, Alex Lillian and I moved to the netting up as far up to the top as we could go. There is private land and no other way to move netting up to road. I asked different people who live on that street if they knew the owners, No one did. We go back a few days and Lillian and Alex grab up two knives we had found, started off to the netting. The rest of the team go down and we find Alex and Lillian yelling for us to Over. I get there and both the knives are cutting through the netting. We proceed to cut the entire fishing nets into large pieces. We removed the weighted buoys and had each team member carry it all back to the van. Lillian and Alex were not going to leave this commercial fishing net stay. we got it all. We drove to Getty to give the weighted buoys to the commercial boats at the dock. The gift of the weighted buoys was so well received. Lillian and Alex had remedied the situation with perseverance and a very pragmatic approach to handling the situation of the net.

I have lots of stories like this..... Thank you for indulging me

Our Totals:

Number of bags collected 800 bags

Trash 302.75

Recycle 484.25

Compost 13.0

Reminder: We use 30 gallon bags.

Total Weight in Pounds 24000lbs

Slight decrease in both Trash and Recycle from 2022

Respectfully Submitted:

