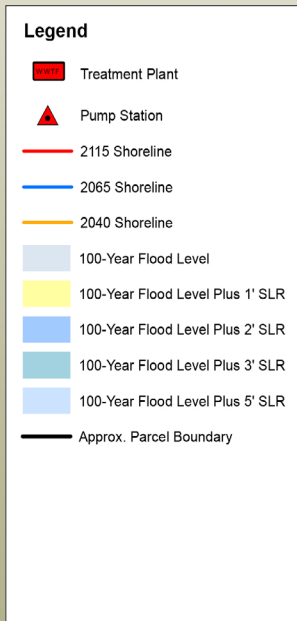
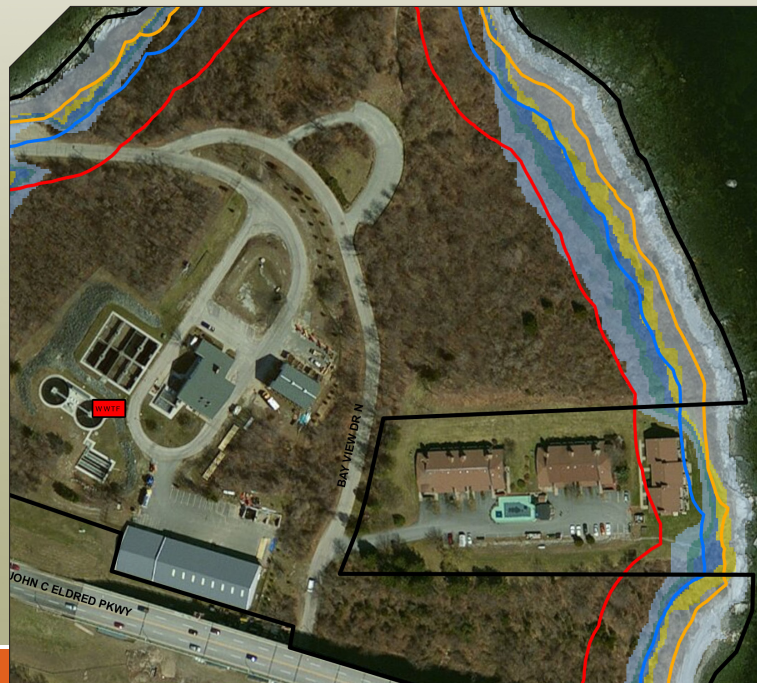


# Jamestown Wastewater Treatment Facility - CLIMATE VULNERABILITY SUMMARY



Jamestown WWTF is located at 165 Freebody Drive in Jamestown. It treats an average of 0.3 million gallons of wastewater per day, serving approximately 2,100 customers on the island. Additional information is on the back of this summary.



## TOP 3 HAZARD MODELING RESULTS

- WWTF and several pump stations would be inaccessible from the mainland during a 100-year storm
- Maple Avenue pump station inundation by 100-year storm.
- Beavertail and Narragansett pump stations inundation by 100-year storm plus 3 feet SLR.



# JAMESTOWN, RI - CLIMATE VULNERABILITY SUMMARY

FACILITY SUMMARY	
<b>Owner</b>	Town of Jamestown
<b>Operator</b>	Town of Jamestown
<b>Facility Address</b>	165 Freebody Drive Jamestown, RI 02835
<b>Contact Name</b>	Douglas Ouellette, Superintendent
<b>Phone</b>	401.423.7295
<b>Design Flow Capacity</b>	0.73 MGD
<b>Average Daily Flow</b>	0.3 MGD
<b>Receiving Water</b>	Dutch Island Harbor/ Narragansett Bay East Passage
<b>Extreme Weather Related SSO Events 2010 - 2014</b>	8 of 8 or 100%

<p>Bayview Drive PS and Beavertail Road PS have dry-pit submersible pumps, which will survive flood inundation but are subject to failure during a flood event because of electrical system vulnerabilities.</p>	<p>Operators report the Narragansett Avenue Pump Station more frequently requires augmentation with a portable pump during wet weather.</p>
<p>All four pump stations are subject to subject to extreme precipitation events as evidenced by their inundation by influent flow or floodwaters during the March 2010 storm events.</p>	

ADAPTIVE STRATEGIES (SEE REPORT FOR COMPLETE LIST)				
SYSTEM	Hardening	Relocating	Redundancy	Mitigation Strategy
Control and Solids Handling Building		C		Provide alternative emergency access road on Route 138 between the toll booth facility and bridge to access the WWTF and the portion of the island south of Great Creek.
Maple Avenue PS	C		B	Provide enclosed elevated pump station equipment structure. Provide permanent back-up power.
Narragansett Avenue PS	A			Protect facility entrances with flood barriers. Relocate generator louver building penetrations.
Beavertail Road PS	A			Protect facility entrances with flood barriers. Relocate generator and ventilation louver building penetrations.

A = < \$50,000    B = \$50,000 to \$250,000    C = \$250,000 - \$1,000,000    D = > \$1,000,000