

BJWSA Monthly Water Quality Report October 2020

Chelsea Water Treatment Plant

	average	min	max	units	requirement
Turbidity	0.033	0.025	0.045	NTU	<0.3 NTU
Disinfectant residual	3.03	0.52	3.57	mg/L	0.2 - 4.0 mg/L
Bacteria		A	A	(P)resence / (A)bsence	Absent

Purrysburg Water Treatment Plant

	average	min	max	units	requirement
Turbidity	0.022	0.019	0.039	NTU	<0.3 NTU
Disinfectant residual	2.80	1.95	3.50	mg/L	0.2 - 4.0 mg/L
Bacteria		A	A	(P)resence / (A)bsence	Absent

Notes:

Turbidity	<p>Turbidity is a measure of particles in the water. Lower turbidity is safer. The regulation limit is 0.3 NTU. Turbidity has no health effects; however, turbidity can interfere with disinfection and provide a medium for microbiological growth.</p> <p>Turbidity on each filter is measured continuously by a turbidimeter with high level alarms.</p>
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Disinfection	<p>Disinfectants kill pathogens. A disinfectant residual must be present throughout the entire water system to ensure safe water. Our disinfectant is chloramines.</p> <p>Total chlorine is checked every hour by an operator and measured continuously by an online analyzer with low level alarms.</p>
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Facilities	<p>The Chelsea Water Treatment Plant serves Beaufort, Port Royal, St Helena, Burton, Ladys Island, the military bases, the sea islands and parts of Okatie</p> <p>The Purrysburg Water Treatment Plant serves Hardeeville, Bluffton, Levy, parts of Okatie, and parts of Hilton Head Island through a wholesale connection.</p>
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Bacteria	<p>Total coliforms are bacteria that are naturally present and used as an indicator that other, potentially-harmful bacteria may be present. Coliforms are a warning of potential problems.</p> <p>BJWSA tests the water at the plant daily for coliform bacteria. BJWSA also tests water through the distribution system each month. The number of samples taken every month is based on the population served.</p>
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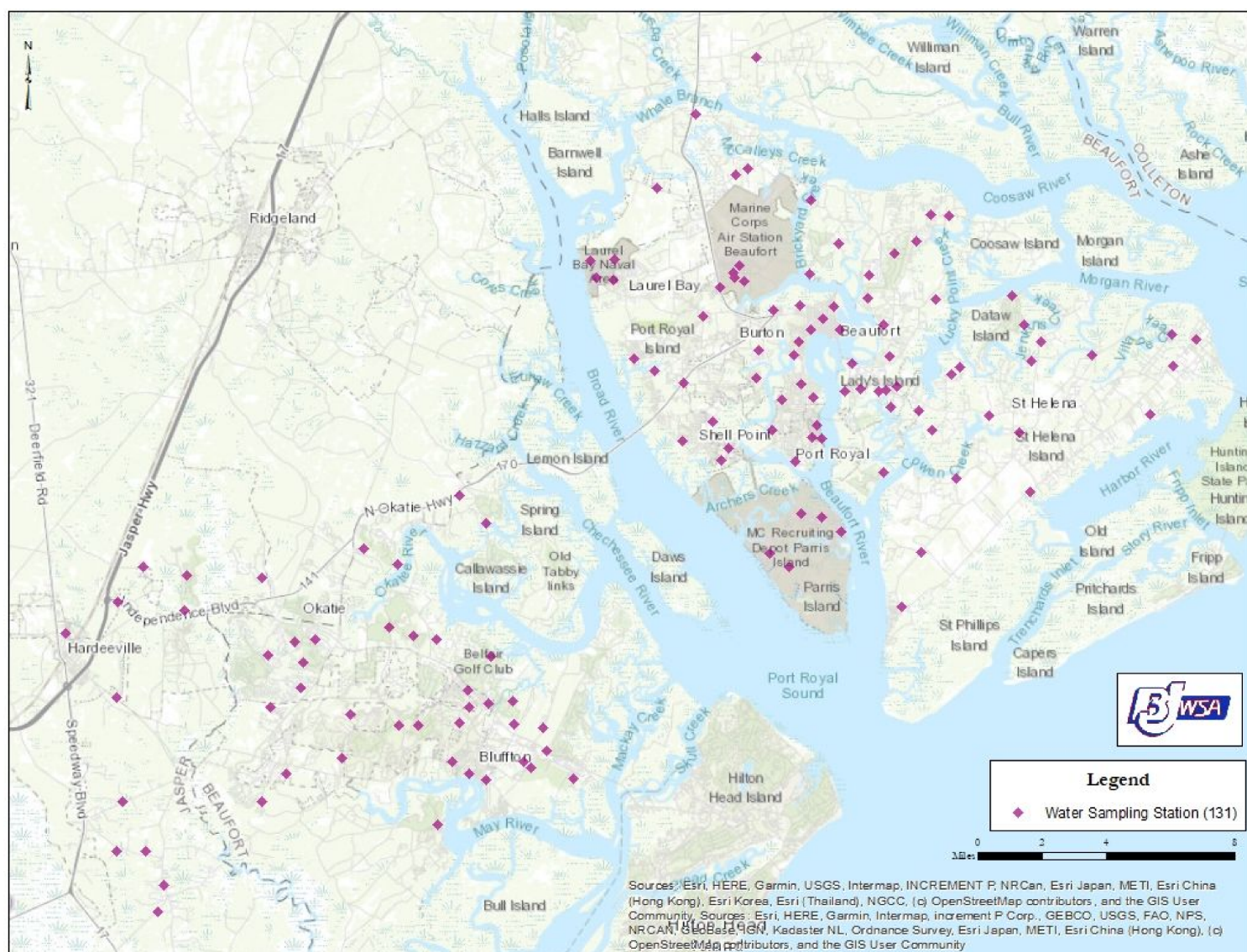
BJWSA measures many other water quality parameters in addition to these key safety indicators.

For more information about your water, visit bjwsa.org/quality or call 843-987-9200.

Distribution System

	result	units	requirement
Bacteriological samples collected	130	#	120 samples per month across the water distribution system
Samples positive for bacteria	0	#	Less than 5% of samples per month
bacterial level	0	#/100mL	
Samples negative for bacteria	130	#	
Average disinfectant residual		mg/L	0.2 - 4.0 mg/L

Sample Siting Map



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