

# Wollochet Bay

## Annual Shellfish Growing Area Review



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Area: Wollochet Bay

Year Ending: December 31, 2023

Classification: Approved, Prohibited

### Activities in the Growing Area in 2023

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. No additional activities have been documented in the growing area.

### Analytical Results of Water Samples

Table 1 summarizes the results of the last 30 samples collected from the area. This summary shows that all stations pass the NSSP water quality standard except Station 890 which only has six samples. Station 863 is Threatened with an estimated 90<sup>th</sup> percentile of 28.7 FC/100mL. Table 2 shows Station 863 individual data.

### Change in Actual Pollution Sources that Impact the Growing Area

We currently have no information indicating that the area has new sources of pollution.

### Classification Status

- Well within the classification standards
- Meets standards, but threatened with downgrade in classification
- Fails to meet current classification standards

### Remarks and Recommendations

Table 1 shows that all stations meet the NSSP water quality standard for an Approved classification and the area is correctly classified.

**TABLE 1. Summary of Marine Water Data (SRS) for the Wollochet Bay Growing Area**

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

Tides Included: All

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
860	Approved	3/13/2019 - 12/4/2023	1.7 - 13.0	1.9	3.0	Y
861	Approved	3/13/2019 - 12/4/2023	1.7 - 33.0	2.7	7.7	Y
862	Approved	3/13/2019 - 12/4/2023	1.7 - 49.0	3.6	14.7	Y
863	Approved	3/13/2019 - 12/4/2023	1.7 - 170.0	5.0	28.7	Y
864	Approved	3/13/2019 - 12/4/2023	1.7 - 49.0	3.4	11.4	Y
865	Approved	3/13/2019 - 12/4/2023	1.7 - 110.0	3.9	19.3	Y
866	Approved	3/13/2019 - 12/4/2023	1.7 - 10.6	1.9	2.9	Y
867	Approved	3/13/2019 - 12/4/2023	1.7 - 22.0	1.9	3.4	Y
890	Unclassified	2/14/2023 - 12/4/2023	1.7 - 7.8	2.2	4.9	*N/A

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

**TABLE 2. Marine Water Data Summary for the Threatened Station in Wollochet Bay.**

Station: 863

Classification: Approved

Method: SRS

<b>Total Samples: 30</b> <b>Range (FC/100 mL): 1.7 - 170.0</b> <b>GeoMean (FC/100 mL): 5.0</b>				<b>Date Range: 03/13/2019 - 12/04/2023</b> <b>E90th (FC/100 mL): 28.7</b> <b>Meets Standard: Y</b>		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
03/13/2019	Regulatory	12:38	Ebb	9	23	1.7
05/23/2019	Regulatory	11:03	Ebb	15	28	7.8
07/22/2019	Regulatory	11:16	Ebb	17	29	1.7
09/03/2019	Regulatory	11:49	Ebb	16	30	49.0
11/06/2019	Regulatory	13:09	Flood	12	29	1.7
01/30/2020	Regulatory	11:18	Ebb	9	8	33.0
04/27/2020	Regulatory	09:44	Ebb	12	26	2.0
06/11/2020	Regulatory	11:30	Ebb	16	27	4.5
08/10/2020	Regulatory	09:59	Flood	15	29	7.8
09/03/2020	Regulatory	09:49	Ebb	16	29	33.0
10/27/2020	Regulatory	13:03	Flood	12	30	2.0
12/21/2020	Regulatory	11:19	Flood	10	25	11.0
01/12/2021	Regulatory	10:45	Ebb	10	14	170.0
03/04/2021	Regulatory	09:35	Ebb	9	23	1.7
05/18/2021	Regulatory	10:53	Ebb	13	26	4.5
07/07/2021	Regulatory	15:50	Flood	18	29	1.7
09/22/2021	Regulatory	11:39	Ebb	15	29	13.0
11/04/2021	Regulatory	13:17	Flood	13	29	33.0
01/25/2022	Regulatory	12:17	Ebb	8	21	1.7
03/23/2022	Regulatory	12:03	Ebb	11	23	1.7
05/17/2022	Regulatory	17:06	Flood	16	24	1.7
07/12/2022	Regulatory	15:53	Flood	18	29	1.7
09/07/2022	Regulatory	15:05	Flood	16	29	1.7
11/01/2022	Regulatory	14:20	Ebb	13	29	2.0
02/14/2023	Regulatory	11:58	Ebb	9	26	1.7
04/20/2023	Regulatory	16:09	Flood	10	28	1.7
06/20/2023	Regulatory	09:40	Ebb	15	27	49.0
08/15/2023	Regulatory	16:34	Flood	19	29	1.7
10/24/2023	Regulatory	15:37	Flood	14	30	4.5
12/04/2023	Regulatory	12:03	Ebb	11	17	11.0

MAP 1. Wollochet Bay Growing Area

