

Wollochet Bay

Annual Shellfish Growing Area Review



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Area: Wollochet Bay

Year Ending: December 31, 2021

Classification: Approved, Prohibited

Activities in the Growing Area in 2021

The growing area was sampled six times in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria.

In August an initial classification of Wollochet Bay classified approximately 323 acres of intertidal and subtidal area and all marine water stations as Approved and 29 acres as Prohibited. The Prohibited area is due to a marina closure zone around the Tacoma Yacht Club Outstation.

Analytical Results of Water Samples

Table 1 summarizes the results of the most recent 30 water samples collected from the area. This summary shows that all stations meet the NSSP water quality standard. However, Stations 863 and 865 are Threatened, and Station 862 is Concerned. Table 2 lists the last 30 individual sample results for Threatened Stations 863 and 865.

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 some concerns
- 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 th Percentile (FC/100mL)	Meets Standard
860	Approved	3/7/2017 - 11/4/2021	1.7 - 4.5	1.9	2.6	Y
861	Approved	3/7/2017 - 11/4/2021	1.7 - 79.0	3.7	13.9	Y
862	Approved	3/7/2017 - 11/4/2021	1.7 - 70.0	5.2	26.1	Y
863	Approved	3/7/2017 - 11/4/2021	1.7 - 170.0	6.5	35.1	Y
864	Approved	3/7/2017 - 11/4/2021	1.7 - 49.0	3.9	12.9	Y
865	Approved	3/7/2017 - 11/4/2021	1.7 - 170.0	5.8	35.9	Y
867	Approved	3/7/2017 - 11/4/2021	1.7 - 7.8	1.9	2.6	Y
866	Unclassified	3/7/2017 - 11/4/2021	1.7 - 7.8	1.9	2.9	Y

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 Quality Summary for the Threatened Stations in Wollochet Bay Growing Area

Station: 863

Classification: Approved

Method: SRS

Total Samples: 30 Range (FC/100 mL): 1.7 - 170.0 GeoMean (FC/100 mL): 6.5				Date Range: 03/07/2017 - 11/04/2021 E90th (FC/100 mL): 35.1 Meets Standard: Y		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
03/07/2017	Regulatory	12:28	Flood	7	7	33.0
05/16/2017	Regulatory	11:45	Ebb	12	17	13.0
07/12/2017	Regulatory	11:25	Ebb	17	27	13.0
09/13/2017	Regulatory	11:58	Flood	15	29	2.0
11/28/2017	Regulatory	12:20	Flood	8	24	33.0
02/06/2018	Regulatory	12:18	Ebb	9	16	7.8
04/03/2018	Regulatory	10:39	Ebb	7	26	1.7
06/05/2018	Regulatory	12:28	Ebb	15	27	7.8
08/02/2018	Regulatory	11:26	Ebb	17	28	4.0
10/02/2018	Regulatory	12:18	Flood	13	30	2.0
12/03/2018	Regulatory	11:21	Flood	10	28	1.7
01/03/2019	Regulatory	12:29	Flood	9	30	1.7
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

TABLE 2. Continued

Station: 865

Classification: Approved

Method: SRS

Total Samples: 30 Range (FC/100 mL): 1.7 - 170.0 GeoMean (FC/100 mL): 5.8				Date Range: 03/07/2017 - 11/04/2021 E90th (FC/100 mL): 35.9 Meets Standard: Y		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
03/07/2017	Regulatory	12:24	Flood	7	19	23.0
05/16/2017	Regulatory	11:39	Ebb	12	24	1.7
07/12/2017	Regulatory	11:19	Ebb	15	28	4.5
09/13/2017	Regulatory	11:53	Flood	15	26	31.0
11/28/2017	Regulatory	12:16	Flood	9	25	170.0
02/06/2018	Regulatory	12:13	Ebb	9	21	2.0
04/03/2018	Regulatory	10:35	Ebb	7	29	1.8
06/05/2018	Regulatory	12:23	Ebb	13	29	2.0
08/02/2018	Regulatory	11:22	Ebb	15	30	7.8
10/02/2018	Regulatory	12:14	Flood	13	30	11.0
12/03/2018	Regulatory	11:26	Flood	10	30	1.7
01/03/2019	Regulatory	12:25	Flood	9	29	17.0
03/13/2019	Regulatory	12:33	Ebb	9	29	1.7
05/23/2019	Regulatory	10:57	Ebb	14	29	1.7
07/22/2019	Regulatory	11:11	Ebb	16	29	1.7
09/03/2019	Regulatory	11:44	Ebb	16	31	17.0
11/06/2019	Regulatory	13:05	Flood	13	29	1.7
01/30/2020	Regulatory	11:13	Ebb	9	25	79.0
04/27/2020	Regulatory	09:38	Ebb	12	26	2.0
06/11/2020	Regulatory	11:24	Ebb	16	27	4.5
08/10/2020	Regulatory	10:05	Flood	16	29	4.5
09/03/2020	Regulatory	09:42	Ebb	15	29	2.0
10/27/2020	Regulatory	13:09	Flood	12	30	1.7
12/21/2020	Regulatory	11:28	Flood	11	24	7.8
01/12/2021	Regulatory	10:49	Ebb	10	19	110.0
03/04/2021	Regulatory	09:39	Ebb	9	25	4.5
05/18/2021	Regulatory	10:48	Ebb	13	26	1.7
07/07/2021	Regulatory	15:53	Flood	18	30	1.7
09/22/2021	Regulatory	11:33	Ebb	15	29	6.8
11/04/2021	Regulatory	13:22	Flood	13	30	46.0

MAP 1. Wollochet Bay Growing Area

