

Hood Canal 6

Annual Shellfish Growing Area Review



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Area: Hood Canal 6

Year Ending: December 31, 2023

Classification: Approved, Conditionally Approved, Prohibited

Activities in the Growing Area in 2023

The growing area was sampled seven times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. One of the sampling events was to make up a run missed in 2022. The Alderbrook Marina Conditionally Approved area was closed from May 1 through September 30 due to increased boating activities. A portion of the growing area south and east of a line from Hoodsport to Musqueti Point was closed from December 5 to 12 due to excessive rainfall. In addition, a small portion of the growing area near Alderbrook Resort was closed for 21 days due to a sewage spill.

Approximately 30 acres around the mouth of the Tahuya River was reclassified from Approved to Prohibited in September due to Station 217 failing NSSP standards. In addition, the Approved area north of Station 217, approximately 30 acres, was unclassified due to unknown marine water quality.

Analytical Results of Water Samples

Table 1 summarizes the most recent 30 samples collected from each of the sampling stations. All stations meet NSSP criteria except Prohibited Station 217 which fails the NSSP standard with an estimated 90th percentile of 52.9 FC/100mL. Station 316 is Threatened with an estimated 90th percentile of 28.4 FC/100mL. Table 2 shows Station 316 individual data.

Change in Actual Pollution Sources that Impact the Growing Area

We currently have no information indicating the area has any 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

The growing area is classified appropriately. The Department should continue to work with Mason County to find and fix sources of pollution affecting Station 217.

Management Plan Evaluation

1. Have all parties involved complied with the conditions of the management planYes
2. Has reporting been adequate to manage the conditional area.....Yes
3. Does the area consistently meet approved area criteria when it is open for harvest Yes
4. Has a field inspection of critical pollution sources been conducted Yes

TABLE 1. Summary of Marine Water Data (SRS) for the Hood Canal 6 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
192	Approved	4/15/2019 - 12/20/2023	1.7 - 920.0	3.0	18.1	Y
207	Approved	4/15/2019 - 12/20/2023	1.7 - 49.0	2.4	7.0	Y
209	Approved	4/15/2019 - 12/20/2023	1.7 - 70.0	3.3	13.2	Y
210	Approved	4/15/2019 - 12/20/2023	1.7 - 79.0	3.2	13.7	Y
212	Approved	4/15/2019 - 12/20/2023	1.7 - 240.0	3.1	13.7	Y
213	Approved	4/15/2019 - 12/20/2023	1.7 - 49.0	3.9	16.6	Y
214	Approved	4/15/2019 - 12/20/2023	1.7 - 49.0	2.9	11.6	Y
215	Approved	4/15/2019 - 12/20/2023	1.7 - 240.0	3.8	20.2	Y
218	Approved	4/15/2019 - 12/20/2023	1.7 - 130.0	3.9	17.2	Y
219	Approved	4/15/2019 - 12/20/2023	1.7 - 49.0	3.0	10.5	Y
220	Approved	4/15/2019 - 12/20/2023	1.7 - 49.0	2.8	8.0	Y
221	Approved	4/15/2019 - 12/20/2023	1.7 - 13.0	2.4	5.3	Y
222	Approved	4/15/2019 - 12/20/2023	1.7 - 170.0	3.3	16.1	Y
223	Approved	4/15/2019 - 12/20/2023	1.7 - 240.0	2.8	14.1	Y
224	Approved	4/15/2019 - 12/20/2023	1.7 - 350.0	2.8	12.3	Y
225	Approved	4/15/2019 - 12/20/2023	1.7 - 350.0	3.2	16.4	Y
226	Approved	4/15/2019 - 12/20/2023	1.7 - 350.0	2.6	10.2	Y
227	Approved	4/15/2019 - 12/20/2023	1.7 - 140.0	2.7	12.6	Y
228	Approved	4/15/2019 - 12/20/2023	1.7 - 79.0	2.9	9.2	Y
229	Approved	4/15/2019 - 12/20/2023	1.7 - 79.0	3.0	11.4	Y
230	Approved	4/15/2019 - 12/20/2023	1.7 - 350.0	4.2	24.8	Y
231	Approved	4/15/2019 - 12/20/2023	1.7 - 240.0	3.2	14.5	Y

TABLE 1 Continued.

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 th Percentile (FC/100mL)	Meets Standard
232	Approved	4/15/2019 - 12/20/2023	1.7 - 79.0	3.0	10.7	Y
233	Approved	4/15/2019 - 12/20/2023	1.7 - 120.0	2.5	9.0	Y
292	Approved	5/9/2019 - 12/20/2023	1.7 - 70.0	4.1	19.0	Y
298	Approved	4/15/2019 - 12/20/2023	1.7 - 130.0	2.9	10.6	Y
309	Approved	4/15/2019 - 12/20/2023	1.7 - 240.0	3.5	21.7	Y
316	Approved	4/15/2019 - 12/20/2023	1.7 - 170.0	5.1	28.4	Y
317	Approved	4/15/2019 - 12/20/2023	1.7 - 23.0	2.2	5.0	Y
318	Approved	4/15/2019 - 12/20/2023	1.7 - 240.0	3.5	17.3	Y
319	Approved	4/15/2019 - 12/20/2023	1.7 - 240.0	3.1	14.9	Y
320	Approved	4/15/2019 - 12/20/2023	1.7 - 1600.0	2.9	17.1	Y
291	Conditionally Approved	7/11/2019 - 12/20/2023	1.7 - 170.0	2.9	12.4	Y
216	Prohibited	4/15/2019 - 12/20/2023	1.7 - 350.0	3.8	20.8	Y
217	Prohibited	4/15/2019 - 12/20/2023	1.7 - 540.0	6.8	52.9	N

The standard for approved shellfish growing waters is a 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 Hood Canal 6

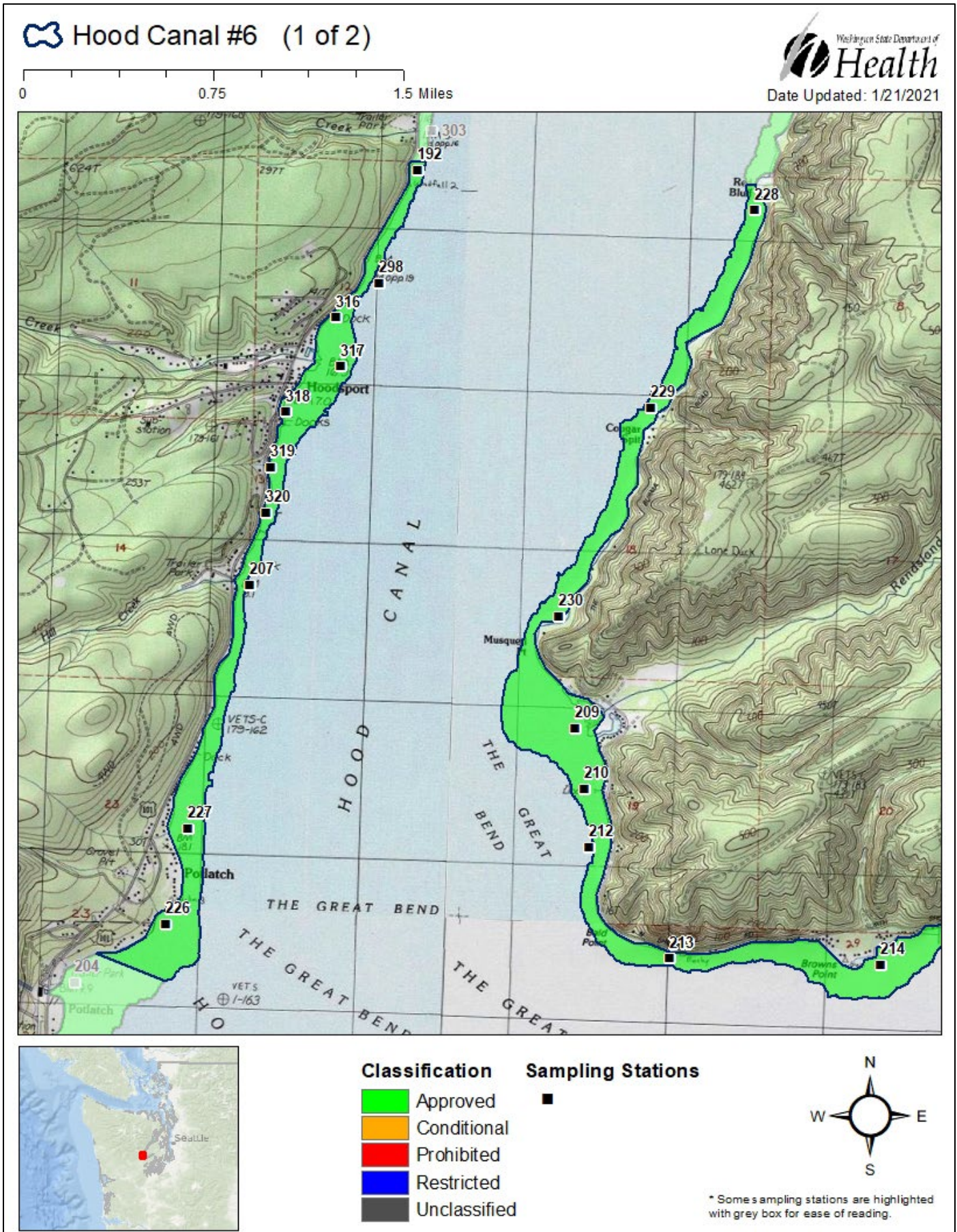
Station: 316

Classification: Approved

Method: SRS

Total Samples: 30 Range (FC/100 mL): 1.7 - 170.0 GeoMean (FC/100 mL): 5.1				Date Range: 04/15/2019 - 12/20/2023 E90th (FC/100 mL): 28.4 Meets Standard: Y		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
04/15/2019	Regulatory	12:07	Flood	11	23	1.7
05/09/2019	Regulatory	07:47	Flood	16	25	2.0
06/27/2019	Regulatory	12:26	Flood	17	23	1.7
08/07/2019	Regulatory	10:17	Flood	17	26	6.8
10/02/2019	Regulatory	09:03	Flood	11	22	7.8
12/04/2019	Regulatory	10:20	Flood	11	30	1.7
01/21/2020	Regulatory	10:01	Flood	8	30	4.5
03/03/2020	Regulatory	08:58	Flood	9	23	1.7
05/13/2020	Regulatory	09:02	Flood	12	28	17.0
07/28/2020	Regulatory	13:53	Ebb	21	24	1.7
09/08/2020	Regulatory	11:49	Ebb	18	26	1.7
11/04/2020	Regulatory	12:30	Ebb	12	26	9.3
02/24/2021	Regulatory	12:59	Flood	9	20	1.8
04/19/2021	Regulatory	11:57	Ebb	14	12	23.0
06/29/2021	Regulatory	10:40	Ebb	22	20	170.0
08/30/2021	Regulatory	14:02	Ebb	17	28	1.7
10/26/2021	Regulatory	12:33	Ebb	11	22	33.0
12/08/2021	Regulatory	12:46	Ebb	11	27	33.0
03/23/2022	Regulatory	12:06	Ebb	11	24	4.5
05/23/2022	Regulatory	12:54	Ebb	15	15	13.0
07/26/2022	Regulatory	18:07	Flood	24	24	1.7
09/20/2022	Regulatory	15:49	Flood	19	24	33.0
10/31/2022	Regulatory	13:17	Ebb	11	28	49.0
02/01/2023	Regulatory	13:58	Ebb	7	9	1.7
03/16/2023	Regulatory	13:02	Ebb	9	27	1.7
04/25/2023	Regulatory	10:31	Ebb	11	22	1.7
06/14/2023	Regulatory	16:50	Flood	19	21	2.0
08/23/2023	Regulatory	11:49	Ebb	19	26	13.0
10/04/2023	Regulatory	12:25	Ebb	14	10	1.7
12/20/2023	Regulatory	10:14	Flood	9	16	2.0

MAP 1. Hood Canal 6 Growing Area (1 of 2)



MAP 2. Hood Canal 6 Growing Area (2 of 2)

