

# Dyes Inlet

## Annual Shellfish Growing Area Review



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Area: Dyes Inlet

Year Ending: December 31, 2024

Classification: Approved, Conditionally Approved, Prohibited

### Activities in the Growing Area in 2024

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. All samples were collected during Open status. There were no conditional or emergency closures affecting Dyes Inlet in 2024.

An annual Dyes Inlet CAAMP evaluation of the Bremerton CSO Treatment Plant was completed. No changes to the classification or the CAAMP were needed. A comprehensive evaluation report is in the central growing area file.

The Kitsap Public Health District continues to identify and correct pollution sources affecting the central and western portions of Dyes Inlet.

### Analytical Results of Water Samples

Table 1 summarizes the results of the most recent 30 water samples at all stations. All stations meet NSSP criteria for an Approved classification except Station 466 in the Prohibited area. Stations 473 and 474 are Threatened with estimated 90<sup>th</sup> percentiles of 30.3 FC/100mL and 28.1 FC/100mL, respectively. Table 2 shows individual data at stations 473 and 474.

### 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 NSSP water quality standards, and the area is correctly classified. The Department should continue to work with Kitsap County and the Suquamish Tribe to find and fix sources of pollution in the Dyes Inlet watershed. The Department and the Tribe should sample stations 469 – 474 in Chico Bay monthly if possible.

## Management Plan Evaluation

1. Have all parties involved complied with the conditions of the management plan ..... Yes
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 Dyes Inlet 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
469	Approved	1/29/2020 - 11/6/2024	1.7 - 49.0	4.1	17.2	Y
470	Approved	1/29/2020 - 11/6/2024	1.7 - 79.0	3.3	11.3	Y
471	Approved	1/29/2020 - 11/6/2024	1.7 - 49.0	3.8	13.9	Y
473	Approved	3/18/2020 - 11/6/2024	1.7 - 49.0	6.5	30.3	Y
474	Approved	1/29/2020 - 11/6/2024	1.7 - 240.0	5.1	28.1	Y
462	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 17.0	2.5	6.0	Y
463	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 22.0	3.6	8.8	Y
464	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 23.0	3.0	7.7	Y
465	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 33.0	3.0	8.9	Y
467	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 7.8	2.2	3.9	Y
468	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 23.0	3.1	8.8	Y
477	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 13.0	2.5	6.0	Y
478	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 17.0	2.3	5.0	Y
479	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 9.2	2.2	4.2	Y
480	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 33.0	2.9	7.6	Y
481	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 33.0	3.3	10.9	Y
482	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 33.0	3.4	11.4	Y
483	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 13.0	2.6	5.4	Y
484	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 14.0	2.4	5.1	Y
491	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 49.0	2.6	7.4	Y
655	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 23.0	2.4	5.1	Y
661	Conditionally Approved	6/23/2020 - 11/6/2024	1.7 - 110.0	3.8	16.1	Y
466	Prohibited	1/29/2020 - 11/6/2024	1.7 - 130.0	8.7	51.1	N

**TABLE 1 Continued.**

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
472	Prohibited	3/18/2020 - 11/6/2024	1.7 - 110.0	8.0	37.1	Y
485	Prohibited	1/29/2020 - 11/6/2024	1.7 - 46.0	2.8	7.3	Y
486	Prohibited	1/29/2020 - 11/6/2024	1.7 - 14.0	3.2	8.5	Y
487	Prohibited	1/29/2020 - 11/6/2024	1.7 - 110.0	4.6	20.2	Y
488	Prohibited	1/29/2020 - 11/6/2024	1.7 - 33.0	3.4	11.4	Y
489	Prohibited	1/29/2020 - 11/6/2024	1.7 - 110.0	4.5	18.2	Y
490	Prohibited	1/29/2020 - 11/6/2024	1.7 - 49.0	3.6	12.7	Y
492	Prohibited	1/29/2020 - 11/6/2024	1.7 - 46.0	2.8	8.0	Y
546	Prohibited	1/29/2020 - 11/6/2024	1.7 - 33.0	3.0	9.4	Y
576	Prohibited	1/29/2020 - 11/6/2024	1.7 - 33.0	2.9	8.6	Y
577	Prohibited	1/29/2020 - 11/6/2024	1.7 - 49.0	3.6	11.4	Y
578	Prohibited	1/29/2020 - 11/6/2024	1.7 - 130.0	2.9	10.0	Y
604	Prohibited	1/29/2020 - 11/6/2024	1.7 - 11.0	2.5	5.0	Y
605	Prohibited	1/29/2020 - 11/6/2024	1.7 - 7.8	2.3	4.0	Y
606	Prohibited	1/29/2020 - 11/6/2024	1.7 - 17.0	3.1	7.3	Y
656	Prohibited	1/29/2020 - 11/6/2024	1.7 - 33.0	2.7	7.0	Y
817	Prohibited	10/15/2019 - 11/6/2024	1.7 - 33.0	3.8	14.0	Y

The standard for approved shellfish growing waters is a fecal coliform geometric mean not greater than 14 organisms / 100 mL with not more than 10 percent greater than 43 organisms / 100 mL. The above table shows bacteriological results in relation to program standards.

**TABLE 2. Marine Water Data Summary for Threatened Stations in Dyes Inlet**

Station: 473

Classification: Approved

Method: SRS

<b>Total Samples: 30</b> <b>Range (FC/100 mL): 1.7 - 49.0</b> <b>GeoMean (FC/100 mL): 6.5</b>				<b>Date Range: 03/18/2020 - 11/06/2024</b> <b>E90th (FC/100 mL): 30.3</b> <b>Meets Standard: Y</b>		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
03/18/2020	Regulatory	10:20	Flood	9	26	13.0
05/12/2020	Regulatory	07:42	Flood	14	30	2.0
06/23/2020	Regulatory	08:23	Flood		30	1.7
07/06/2020	Regulatory	07:24	Ebb	17	30	27.0
09/09/2020	Regulatory	08:51	Flood	16	31	1.7
11/05/2020	Regulatory	09:46	Ebb	12	30	7.8
02/16/2021	Regulatory	09:42	Ebb	7	22	2.0
04/20/2021	Regulatory	09:23	Flood	13	27	33.0
06/28/2021	Regulatory	10:10	Ebb	20	28	22.0
08/12/2021	Regulatory	09:11	Ebb	19	31	1.7
10/20/2021	Regulatory	09:19	Ebb	13	32	33.0
12/21/2021	Regulatory	10:15	Ebb	8	5	49.0
01/24/2022	Regulatory	11:02	Ebb	8	15	6.8
03/09/2022	Regulatory	10:42	Ebb	9	16	49.0
05/05/2022	Regulatory	07:53	Flood	11	24	1.7
07/28/2022	Regulatory	18:09	Flood	29	28	11.0
09/12/2022	Regulatory	08:25	Ebb	17	29	4.5
11/30/2022	Regulatory	09:45	Flood	9	23	23.0
02/02/2023	Regulatory	09:42	Ebb	8	30	2.0
04/05/2023	Regulatory	07:39	Ebb	9	30	1.7
06/12/2023	Regulatory	13:33	Flood	20	28	1.7
08/21/2023	Regulatory	07:52	Flood	17	28	23.0
10/04/2023	Regulatory	08:15	Flood	15	32	2.0
12/21/2023	Regulatory	09:26	Flood	10	30	1.7
01/24/2024	Regulatory	09:19	Ebb	8	17	13.0
03/04/2024	Regulatory	07:58	Flood	8	22	13.0
05/14/2024	Regulatory	10:11	Flood	15	25	2.0
07/16/2024	Regulatory	15:31	Flood	25	28	4.5
09/18/2024	Regulatory	07:20	Ebb	16	25	11.0
11/06/2024	Regulatory	12:50	Ebb	12	24	7.8

**TABLE 2. Marine Water Data Summary for Threatened Stations in Dyes Inlet**

Station: 474

Classification: Approved

Method: SRS

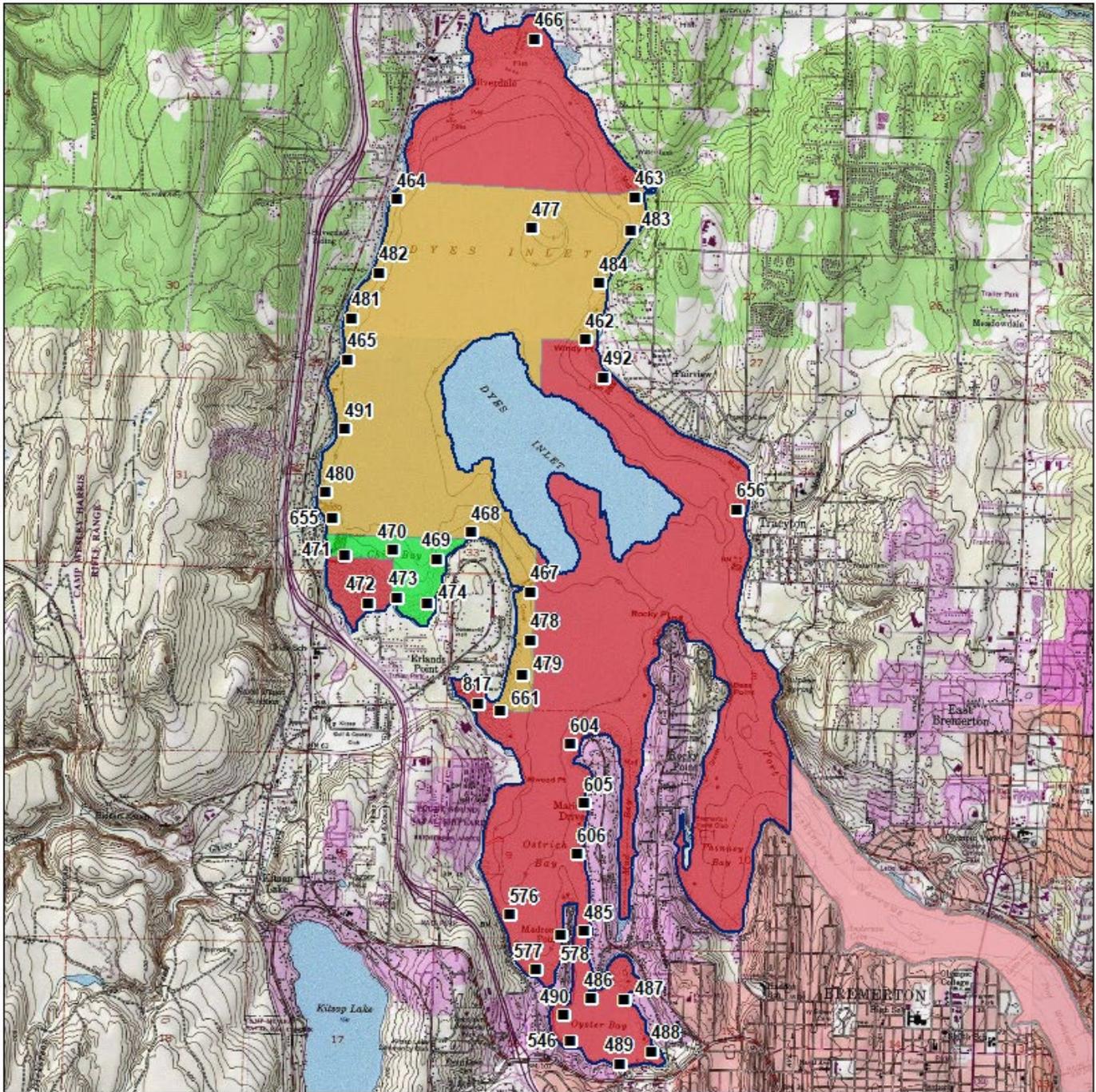
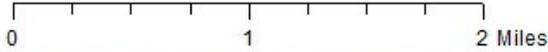
<b>Total Samples: 30</b> <b>Range (FC/100 mL): 1.7 - 240.0</b> <b>GeoMean (FC/100 mL): 5.1</b>				<b>Date Range: 01/29/2020 - 11/06/2024</b> <b>E90th (FC/100 mL): 28.1</b> <b>Meets Standard: Y</b>		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
01/29/2020	Regulatory	08:47	Flood	9	25	2.0
03/18/2020	Regulatory	10:22	Flood	9	26	2.0
05/12/2020	Regulatory	07:40	Flood	14	30	7.8
07/06/2020	Regulatory	07:22	Ebb	17	30	33.0
09/09/2020	Regulatory	08:53	Flood	17	31	1.7
11/05/2020	Regulatory	09:44	Ebb	12	31	4.0
02/16/2021	Regulatory	09:40	Ebb	7	29	4.0
04/20/2021	Regulatory	09:22	Flood	13	29	23.0
06/28/2021	Regulatory	10:09	Ebb	20	30	22.0
08/12/2021	Regulatory	09:10	Ebb	19	30	22.0
10/20/2021	Regulatory	09:16	Ebb	13	31	7.8
12/21/2021	Regulatory	10:17	Ebb	7	4	79.0
01/24/2022	Regulatory	11:04	Ebb	8	8	2.0
03/09/2022	Regulatory	10:44	Ebb	8	25	2.0
05/05/2022	Regulatory	07:51	Flood	11	29	2.0
07/28/2022	Regulatory	18:10	Flood	28	29	1.7
09/12/2022	Regulatory	08:23	Ebb	17	29	4.5
11/30/2022	Regulatory	09:44	Flood	10	17	240.0
02/02/2023	Regulatory	09:44	Ebb	8	27	1.7
04/05/2023	Regulatory	07:37	Ebb	9	31	1.7
06/12/2023	Regulatory	13:31	Flood	20	30	1.7
08/21/2023	Regulatory	07:51	Flood	17	31	4.0
10/04/2023	Regulatory	08:12	Flood	15	32	4.5
12/21/2023	Regulatory	09:28	Flood	10	29	1.7
01/24/2024	Regulatory	09:17	Ebb	8	17	13.0
03/04/2024	Regulatory	07:56	Flood	8	21	2.0
05/14/2024	Regulatory	10:09	Flood	15	27	1.7
07/16/2024	Regulatory	15:33	Flood	25	28	1.7
09/18/2024	Regulatory	07:19	Ebb	16	26	23.0
11/06/2024	Regulatory	12:48	Ebb	12	26	2.0

MAP 1. Dyes Inlet Growing Area

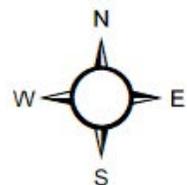
 Dyes Inlet



Date Updated: 2/8/2023



Classification		Sampling Stations
	Approved	
	Conditional	
	Prohibited	
	Restricted	
	Unclassified	



\* Some sampling stations are highlighted with grey box for ease of reading.