

# Eld Inlet

## Annual Shellfish Growing Area Review



Prepared By: Casey Deligeannis

Area: Eld Inlet

Year Ending: December 31, 2023

Classification: Approved

### 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 (SRS) criteria. Between 2022 and 2023, follow-up samples were collected from one drainage. Bacteria levels were low, and the drainage was not found to be impacting the growing area. The growing area was closed twice for a total of 11 days. The first closure was the intertidal portion of the northwest shoreline of Eld Inlet, from the intersection of Manzanita Drive NW and Pickering Lane NW northeast to the northeast end of Noble View Lane NW, due to multiple reports of oyster-associated norovirus-like illnesses in January. The second closure was the entire growing area due to excessive rainfall from 12/5/23 – 12/12/23.

Thurston County Environmental Health and Thurston County Conservation District continued enhanced septic O&M and a pollution identification and correction project in McLane Creek, funded by National Estuary Program grants.

### 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. However, Station 849 is Threatened with an estimated 90<sup>th</sup> percentile of 33.9 FC/100mL. Table 2 includes the last 30 individual sample results for Station 849.

### 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 Eld 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
160	Approved	3/11/2019 - 12/18/2023	1.7 - 79.0	3.1	10.0	Y
161	Approved	3/11/2019 - 12/18/2023	1.7 - 110.0	3.1	10.5	Y
162	Approved	3/11/2019 - 12/18/2023	1.7 - 110.0	3.9	15.2	Y
163	Approved	3/11/2019 - 12/18/2023	1.7 - 79.0	2.8	8.4	Y
164	Approved	3/11/2019 - 12/18/2023	1.7 - 79.0	2.8	8.2	Y
165	Approved	3/11/2019 - 12/18/2023	1.7 - 31.0	2.8	7.5	Y
166	Approved	3/11/2019 - 12/18/2023	1.7 - 23.0	2.9	8.0	Y
167	Approved	3/11/2019 - 12/18/2023	1.7 - 110.0	2.9	10.4	Y
168	Approved	3/11/2019 - 12/18/2023	1.7 - 49.0	2.8	7.7	Y
169	Approved	3/11/2019 - 12/18/2023	1.7 - 7.8	2.5	5.1	Y
170	Approved	3/11/2019 - 12/18/2023	1.7 - 350.0	4.2	20.0	Y
171	Approved	3/11/2019 - 12/18/2023	1.7 - 350.0	3.9	20.4	Y
172	Approved	3/11/2019 - 12/18/2023	1.7 - 33.0	2.2	5.1	Y
173	Approved	3/11/2019 - 12/18/2023	1.7 - 79.0	2.3	5.9	Y
174	Approved	3/11/2019 - 12/18/2023	1.7 - 6.8	1.8	2.5	Y
175	Approved	3/11/2019 - 12/18/2023	1.7 - 7.8	1.8	2.6	Y
176	Approved	3/11/2019 - 12/18/2023	1.7 - 4.5	1.8	2.3	Y
177	Approved	3/11/2019 - 12/18/2023	1.7 - 4.5	1.8	2.5	Y
178	Approved	3/11/2019 - 12/18/2023	1.7 - 11.0	2.2	4.0	Y
179	Approved	3/11/2019 - 12/18/2023	1.7 - 540.0	2.1	8.0	Y
180	Approved	3/11/2019 - 12/18/2023	1.7 - 33.0	2.1	5.5	Y
181	Approved	3/11/2019 - 12/18/2023	1.7 - 13.0	2.0	3.7	Y
182	Approved	3/11/2019 - 12/18/2023	1.7 - 7.8	2.0	3.6	Y
849	Approved	3/11/2019 - 12/18/2023	1.7 - 540.0	4.3	33.9	Y
159	Unclassified	3/11/2019 - 12/18/2023	1.7 - 79.0	5.4	21.7	Y
700	Unclassified	3/11/2019 - 12/18/2023	1.7 - 130.0	4.5	18.5	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 of the Threatened Station in Eld Inlet**

Station: 849

Classification: Approved

Method: SRS

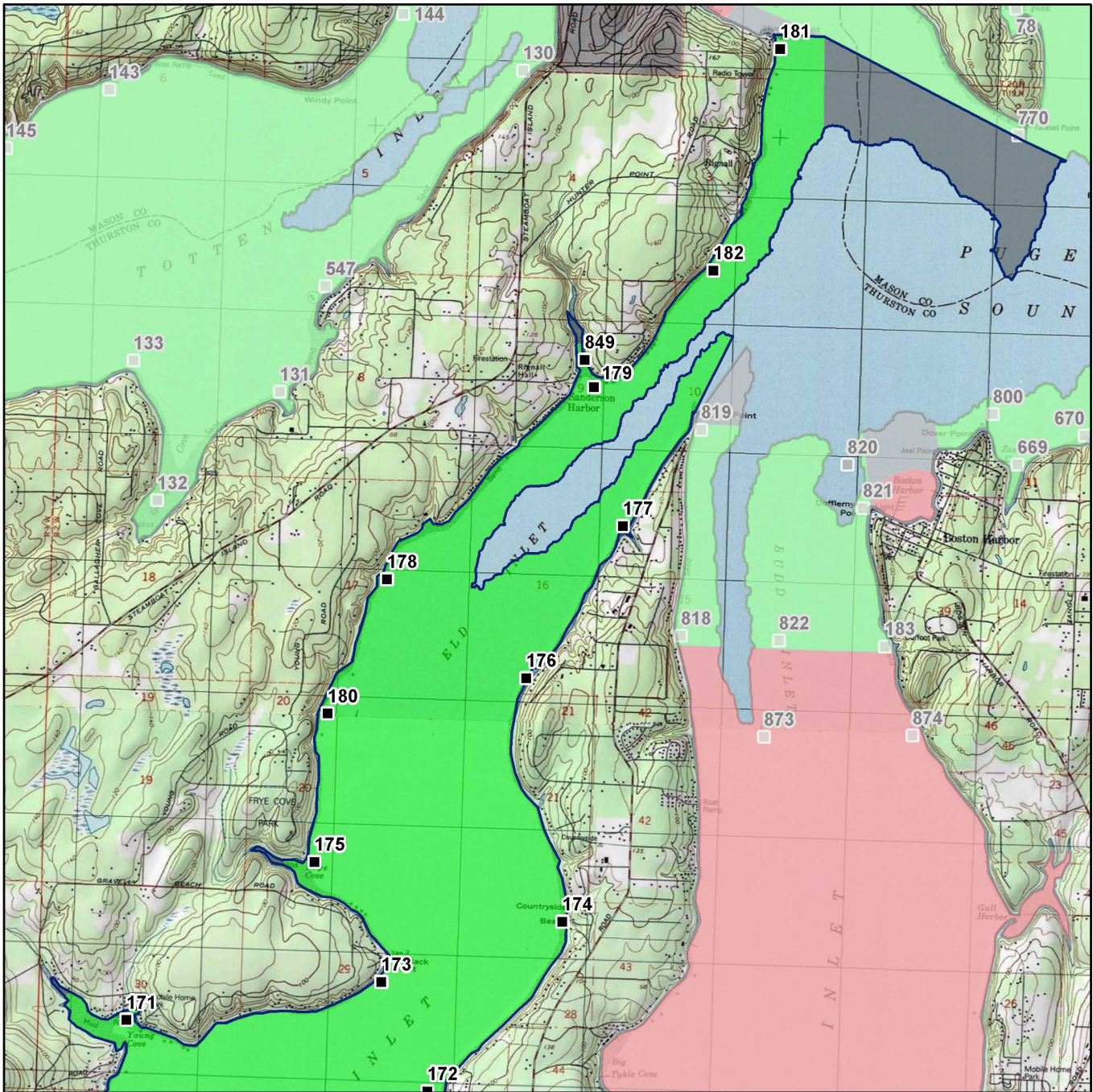
<b>Total Samples: 30</b> <b>Range (FC/100 mL): 1.7 - 540.0</b> <b>GeoMean (FC/100 mL): 4.3</b>				<b>Date Range: 03/11/2019 - 12/18/2023</b> <b>E90th (FC/100 mL): 33.9</b> <b>Meets Standard: Y</b>		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
03/11/2019	Regulatory	09:54	Ebb	7	28	1.8
04/10/2019	Regulatory	09:22	Flood	10	28	23.0
06/12/2019	Regulatory	14:13	Flood	19	28	1.7
08/22/2019	Regulatory	09:37	Flood	17	29	1.8
10/29/2019	Regulatory	10:13	Ebb	12	29	2.0
12/17/2019	Regulatory	11:16	Ebb	10	29	6.8
01/16/2020	Regulatory	09:31	Flood	8	28	2.0
03/03/2020	Regulatory	09:57	Flood	9	27	1.7
05/18/2020	Regulatory	17:05	Flood	15	29	1.7
07/13/2020	Regulatory	13:57	Ebb	18	28	1.7
09/09/2020	Regulatory	11:47	Flood	17	29	2.0
11/23/2020	Regulatory	11:24	Flood	11	27	17.0
02/01/2021	Regulatory	09:45	Ebb	8	8	79.0
04/22/2021	Regulatory	14:20	Flood	14	26	1.7
06/02/2021	Regulatory	11:36	Flood	17	28	1.7
08/04/2021	Regulatory	16:50	Flood	20	28	1.7
10/28/2021	Regulatory	12:08	Flood	13	29	540.0
12/09/2021	Regulatory	12:10	Ebb	10	28	2.0
01/03/2022	Regulatory	10:57	Ebb	4	4	540.0
03/10/2022	Regulatory	09:52	Flood	7	22	1.7
05/04/2022	Regulatory	09:01	Ebb	11	27	1.7
07/25/2022	Regulatory	16:35	Flood	18	28	4.5
09/22/2022	Regulatory	15:04	Flood	16	31	1.7
11/29/2022	Regulatory	12:21	Ebb	11	30	7.8
02/09/2023	Regulatory	08:35	Ebb	9	27	2.0
03/06/2023	Regulatory	16:33	Flood	8	29	4.5
04/25/2023	Regulatory	08:46	Flood	10	27	1.8
08/14/2023	Regulatory	16:21	Flood	20	29	1.7
10/31/2023	Regulatory	10:18	Ebb	13	29	2.0
12/18/2023	Regulatory	11:16	Ebb	11	26	6.8

MAP 1. Eld Inlet Growing Area (1 of 2)

Eld Inlet (1 of 2)

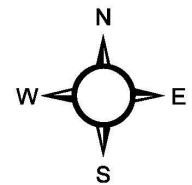


Date Updated: 7/11/2018



- Classification**
- Approved
  - Conditional
  - Prohibited
  - Restricted
  - Unclassified

**Sampling Stations**



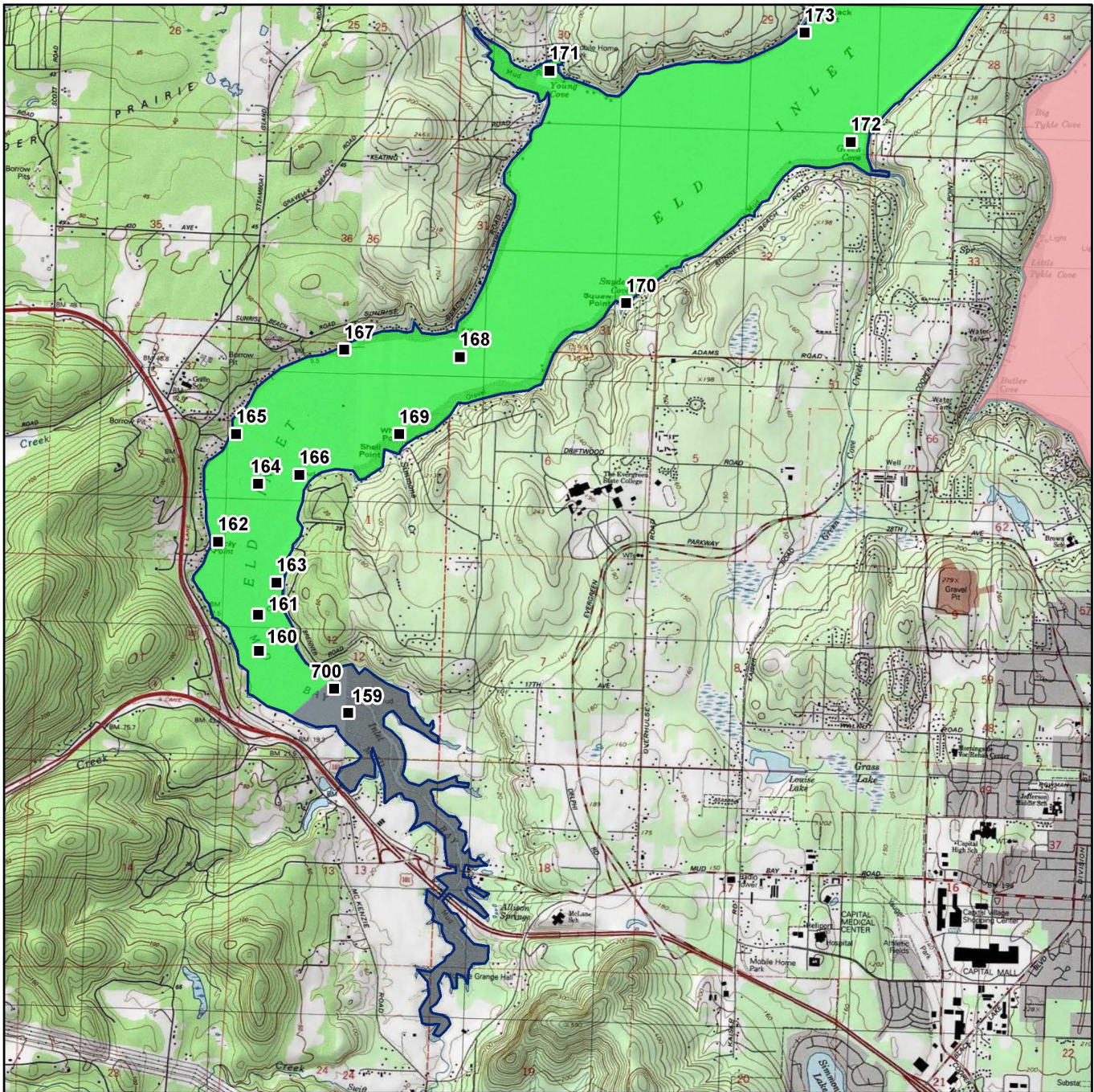
\* Some sampling stations are highlighted with grey box for ease of reading.

MAP 2. Eld Inlet Growing Area (2 of 2)

Eld Inlet (2 of 2)

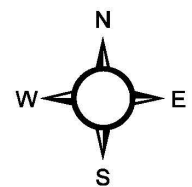


Date Updated: 7/11/2018



- Classification**
- Approved
  - Conditional
  - Prohibited
  - Restricted
  - Unclassified

**Sampling Stations**



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