
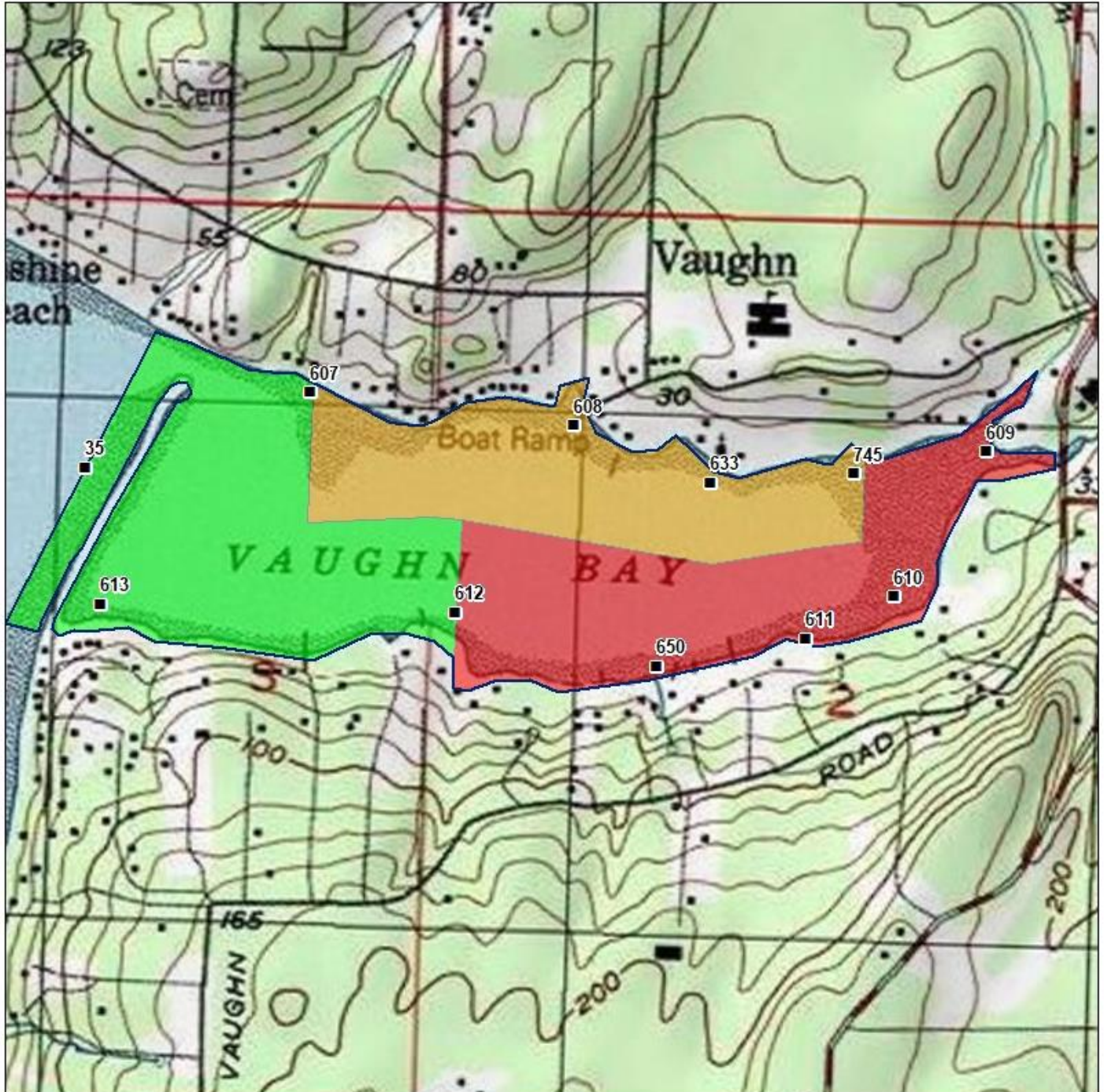
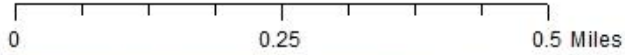


# Vaughn Bay Water Quality Summary (November 2023)

 Vaughn Bay



Date Updated: 10/20/2022



### Classification

- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified

### Sampling Stations



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

## Vaughn Bay Water Quality Summary (November 2023)

### Table 1: Summary of Marine Water Data (last 30 samples)

Station Number	Classification	Date Range	Range (FC/100 mL)	GeoMean (FC/100 mL)	Est 90 <sup>th</sup> Percentile (FC/100 mL)	Meets Standard
35	Approved	5/19/2021 - 10/3/2023	1.7 - 13.0	2.2	4.6	Yes
607	Approved	5/19/2021 - 10/3/2023	1.7 - 17.0	2.1	3.9	Yes
612	Approved	5/19/2021 - 10/3/2023	1.7 - 11.0	2.2	4.3	Yes
613	Approved	5/19/2021 - 10/3/2023	1.7 - 540.0	3.2	17.2	Yes
608	Conditionally Approved	5/19/2021 - 10/3/2023	1.7 - 33.0	3.5	12.1	Yes
633	Conditionally Approved	5/19/2021 - 10/3/2023	1.7 - 23.0	3.3	9.7	Yes
745	Conditionally Approved	5/19/2021 - 10/3/2023	1.7 - 130.0	4.4	19.5	Yes
609	Prohibited	5/19/2021 - 10/3/2023	1.7 - 110.0	6.2	33.9	Yes
610	Prohibited	5/19/2021 - 10/3/2023	1.7 - 49.0	4.4	15.8	Yes
611	Prohibited	5/19/2021 - 10/3/2023	1.7 - 22.0	2.8	7.4	Yes
650	Prohibited	5/19/2021 - 10/3/2023	1.7 - 46.0	4.0	15.7	Yes

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.

Last 30 samples includes 3 sampling events where there was 1" or greater recorded in 24 hours 0-4 days prior to sampling

### Table 2: Summary of Marine Water Data (30 Samples) collected after < 1 – inch Rainfall in 24 hours

Includes data for rainfall amounts: 0.00 - 0.99" on days 0 – 4 previous to the sampling event.

Station Number	Classification	Date Range	Range (FC/100 mL)	GeoMean (FC/100 mL)	Est 90 <sup>th</sup> Percentile (FC/100 mL)	Meets Standard
608	Conditionally Approved	2/23/2021 - 10/3/2023	1.7 - 33.0	3.3	10.3	Yes
633	Conditionally Approved	2/23/2021 - 10/3/2023	1.7 - 13.0	2.9	7.8	Yes
745	Conditionally Approved	2/23/2021 - 10/3/2023	1.7 - 130.0	4.1	15.8	Yes
609	Prohibited	2/23/2021 - 10/3/2023	1.7 - 49.0	5.8	28.8	Yes
610	Prohibited	2/23/2021 - 10/3/2023	1.7 - 49.0	4.2	15.1	Yes
611	Prohibited	2/23/2021 - 10/3/2023	1.7 - 22.0	3.0	8.6	Yes
650	Prohibited	2/23/2021 - 10/3/2023	1.7 - 170.0	4.1	20.5	Yes

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### Table 3: Change in Estimated 90<sup>th</sup> Percentiles at each Station Over Last Year to Current Period

Station Number	Classification	1 YEAR AGO Est 90th Percentile	2022 ANNUAL REPORT Est 90th Percentile	LAST 30 SAMPLES Est 90 <sup>th</sup> Percentile	Net Trend (>3 FC)
35	Approved	6.0	5.7	4.6	
607	Approved	5.7	5.9	3.9	
612	Approved	13.6	7.4	4.3	Decrease
613	Approved	41.2	28.2	17.2	Decrease
608	Conditionally Approved	38.8	25.1	12.1	Decrease
633	Conditionally Approved	14.4	15.1	9.7	Decrease
745	Conditionally Approved	34.2	30.4	19.5	Decrease
609	Prohibited	92.4	79.5	33.9	Decrease
610	Prohibited	42.4	29.8	15.8	Decrease
611	Prohibited	36.4	16.5	7.4	Decrease
650	Prohibited	60.0	44.2	15.7	Decrease

\*All values given in FC/100mL

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