


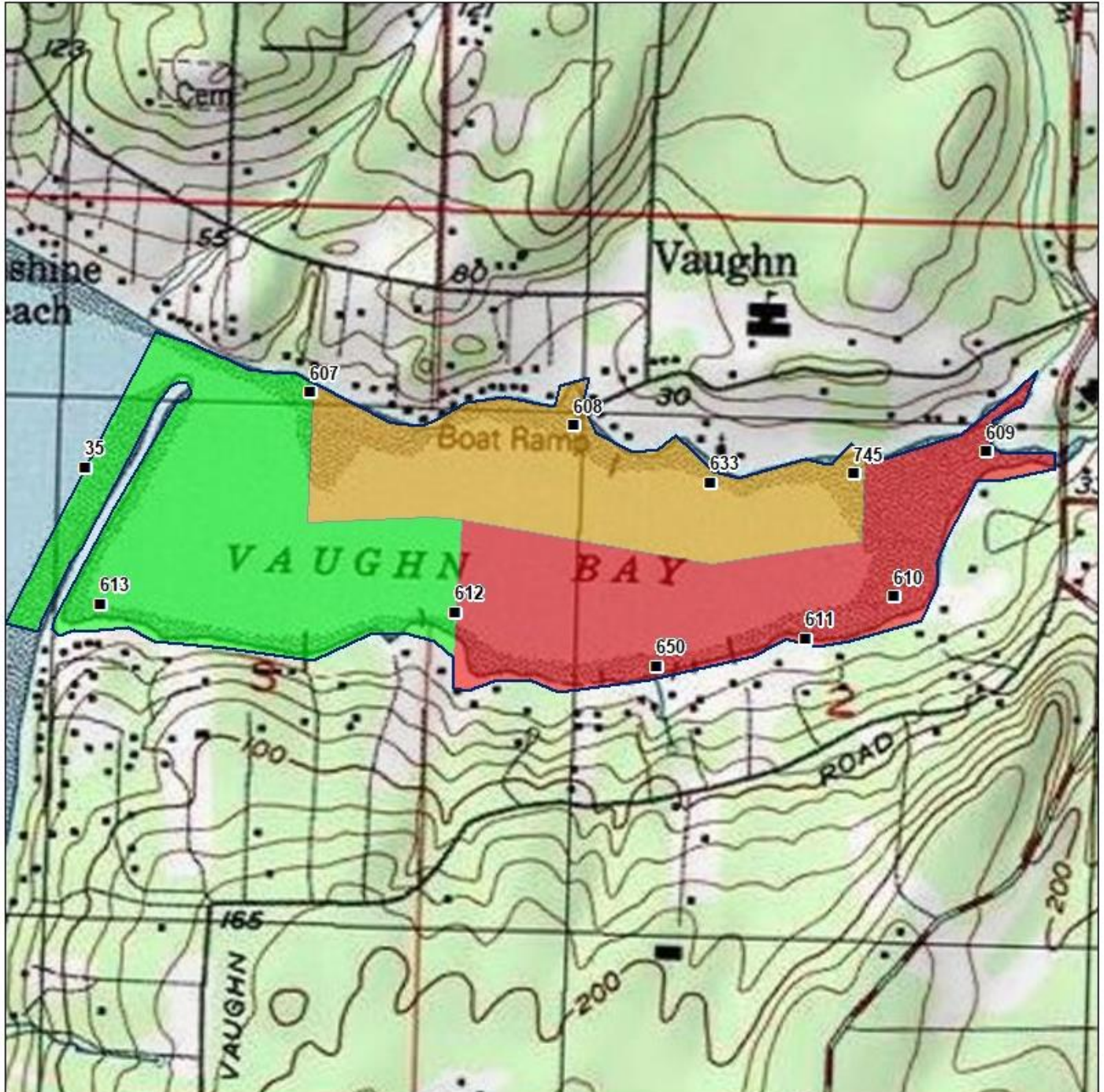
# Vaughn Bay Water Quality Summary (January 2023)

 Vaughn Bay

0 0.25 0.5 Miles



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.

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### 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	7/9/2020 - 12/1/2022	1.7 - 13.0	2.4	5.7	Yes
607	Approved	7/9/2020 - 12/1/2022	1.7 - 17.0	2.6	5.9	Yes
612	Approved	7/9/2020 - 12/1/2022	1.7 - 33.0	2.7	7.4	Yes
613	Approved	7/9/2020 - 12/1/2022	1.7 - 540.0	4.1	28.2	Yes
608	Conditionally Approved	7/9/2020 - 12/1/2022	1.7 - 170.0	4.9	25.1	Yes
633	Conditionally Approved	7/9/2020 - 12/1/2022	1.7 - 130.0	3.9	15.1	Yes
745	Conditionally Approved	7/9/2020 - 12/1/2022	1.7 - 130.0	5.9	30.4	Yes
609	Prohibited	7/9/2020 - 12/1/2022	1.7 - 350.0	8.8	79.5	No
610	Prohibited	7/9/2020 - 12/1/2022	1.7 - 130.0	5.7	29.8	Yes
611	Prohibited	7/9/2020 - 12/1/2022	1.7 - 49.0	4.2	16.5	Yes
650	Prohibited	7/9/2020 - 12/1/2022	1.7 - 540.0	6.6	44.2	No

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 5 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	2/12/2020 - 10/4/2022	1.7 - 350.0	5.4	34.0	Yes
633	Conditionally Approved	2/12/2020 - 10/4/2022	1.7 - 13.0	2.9	7.4	Yes
745	Conditionally Approved	2/12/2020 - 10/4/2022	1.7 - 130.0	5.5	26.9	Yes
609	Prohibited	2/12/2020 - 10/4/2022	1.7 - 350.0	7.7	60.8	No
610	Prohibited	2/12/2020 - 10/4/2022	1.7 - 240.0	5.4	33.5	Yes
611	Prohibited	2/12/2020 - 10/4/2022	1.7 - 1600.0	4.3	28.5	Yes
650	Prohibited	2/12/2020 - 10/4/2022	1.7 - 540.0	6.2	51.1	No

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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	2021 ANNUAL REPORT Est 90th Percentile	LAST 30 SAMPLES Est 90 <sup>th</sup> Percentile	Net Trend (>3 FC)
35	Approved	6.0	6.0	5.7	
607	Approved	5.0	5.0	5.9	
612	Approved	13.1	13.1	7.4	Decrease
613	Approved	45.6	45.6	28.2	Decrease
608	Conditionally Approved	37.1	37.1	25.1	Decrease
633	Conditionally Approved	13.0	13.0	15.1	
745	Conditionally Approved	25.0	25.0	30.4	Increase
609	Prohibited	140.9	140.9	79.5	Decrease
610	Prohibited	50.2	50.2	29.8	Decrease
611	Prohibited	29.4	29.4	16.5	Decrease
650	Prohibited	49.5	49.5	44.2	Decrease

\*All values given in FC/100mL

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