
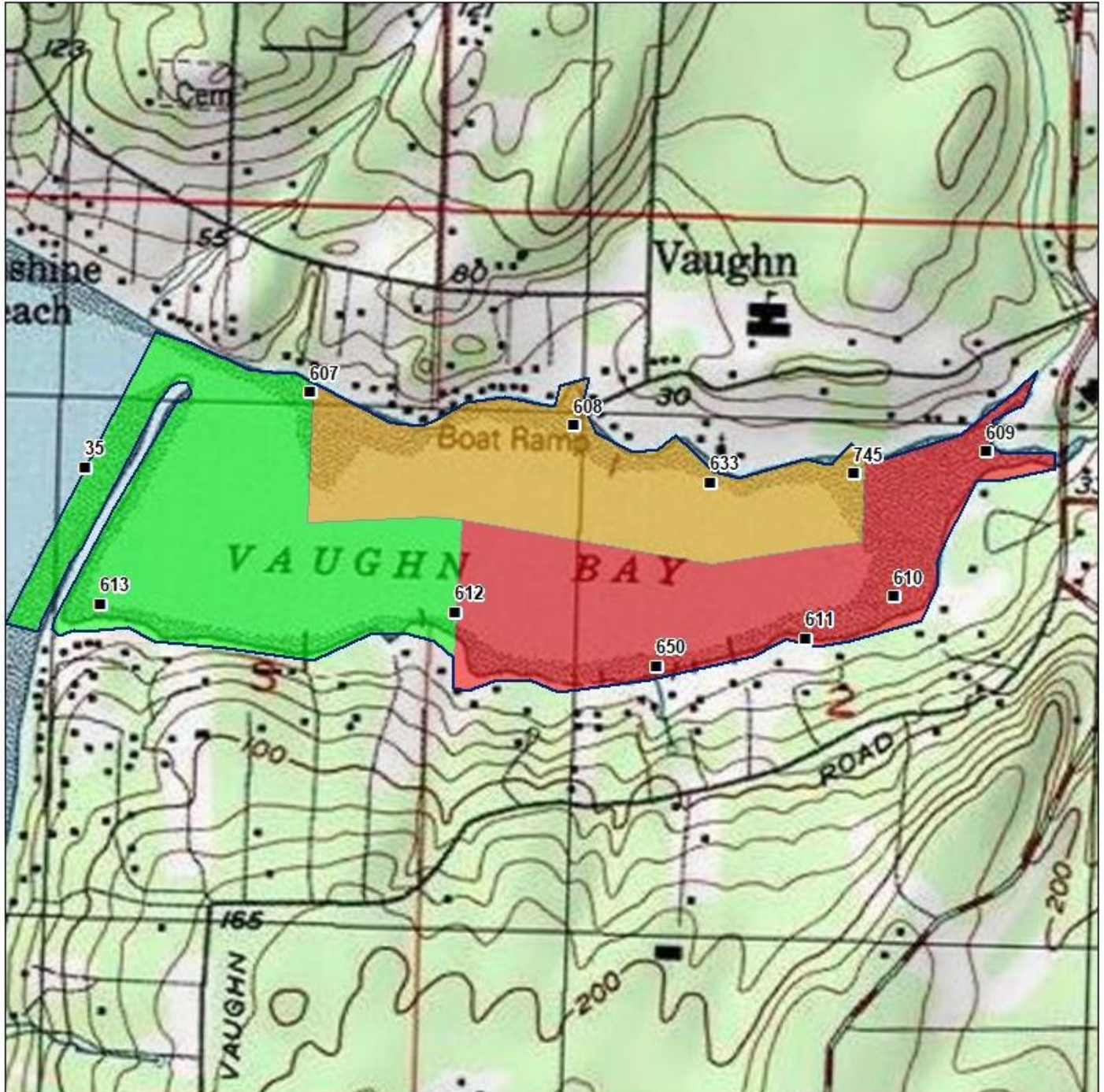
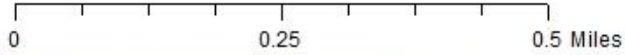


Vaughn Bay Water Quality Summary (October 2022)

 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 (October 2022)

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 th Percentile (FC/100 mL)	Meets Standard
35	Approved	5/12/2020 - 10/4/2022	1.7 - 13.0	2.5	6.0	Yes
607	Approved	5/12/2020 - 10/4/2022	1.7 - 17.0	2.4	5.5	Yes
612	Approved	5/12/2020 - 10/4/2022	1.7 - 240.0	3.2	13.6	Yes
613	Approved	5/12/2020 - 10/4/2022	1.7 - 540.0	4.7	41.2	Yes
608	Conditionally Approved	5/12/2020 - 10/4/2022	1.7 - 350.0	5.8	38.5	Yes
633	Conditionally Approved	5/12/2020 - 10/4/2022	1.7 - 130.0	3.4	13.0	Yes
745	Conditionally Approved	5/12/2020 - 10/4/2022	1.7 - 130.0	6.9	36.5	Yes
609	Prohibited	5/12/2020 - 10/4/2022	1.7 - 350.0	10.8	95.9	No
610	Prohibited	5/12/2020 - 10/4/2022	1.7 - 240.0	7.6	51.1	No
611	Prohibited	5/12/2020 - 10/4/2022	1.7 - 1600.0	5.5	37.7	Yes
650	Prohibited	5/12/2020 - 10/4/2022	1.7 - 540.0	6.9	53.3	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 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 th Percentile (FC/100 mL)	Meets Standard
608	Conditionally Approved	2/12/2020 - 10/4/2022	1.7 - 350.0	5.1	32.3	Yes
633	Conditionally Approved	2/12/2020 - 10/4/2022	1.7 - 13.0	2.7	6.6	Yes
745	Conditionally Approved	2/12/2020 - 10/4/2022	1.7 - 130.0	5.9	29.6	Yes
609	Prohibited	2/12/2020 - 10/4/2022	1.7 - 350.0	8.1	61.8	No
610	Prohibited	2/12/2020 - 10/4/2022	1.7 - 240.0	5.6	33.9	Yes
611	Prohibited	2/12/2020 - 10/4/2022	1.7 - 1600.0	4.5	29.7	Yes
650	Prohibited	2/12/2020 - 10/4/2022	1.7 - 540.0	5.5	44.2	No

Vaughn Bay Water Quality Summary (October 2022)

Table 3: Change in Estimated 90th 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 th Percentile	Net Trend (>3 FC)
35	Approved	4.4	6.0	6.0	
607	Approved	4.8	5.0	5.5	
612	Approved	11.6	13.1	13.6	
613	Approved	35.5	45.6	41.2	Increase
608	Conditionally Approved	33.2	37.1	38.5	Increase
633	Conditionally Approved	12.6	13.0	13.0	
745	Conditionally Approved	23.7	25.0	36.5	Increase
609	Prohibited	140.8	140.9	95.9	Decrease
610	Prohibited	41.6	50.2	51.1	Increase
611	Prohibited	28.6	29.4	37.7	Increase
650	Prohibited	43.7	49.5	53.3	Increase

*All values given in FC/100mL

Vaughn Bay Water Quality Summary (October 2022)

