
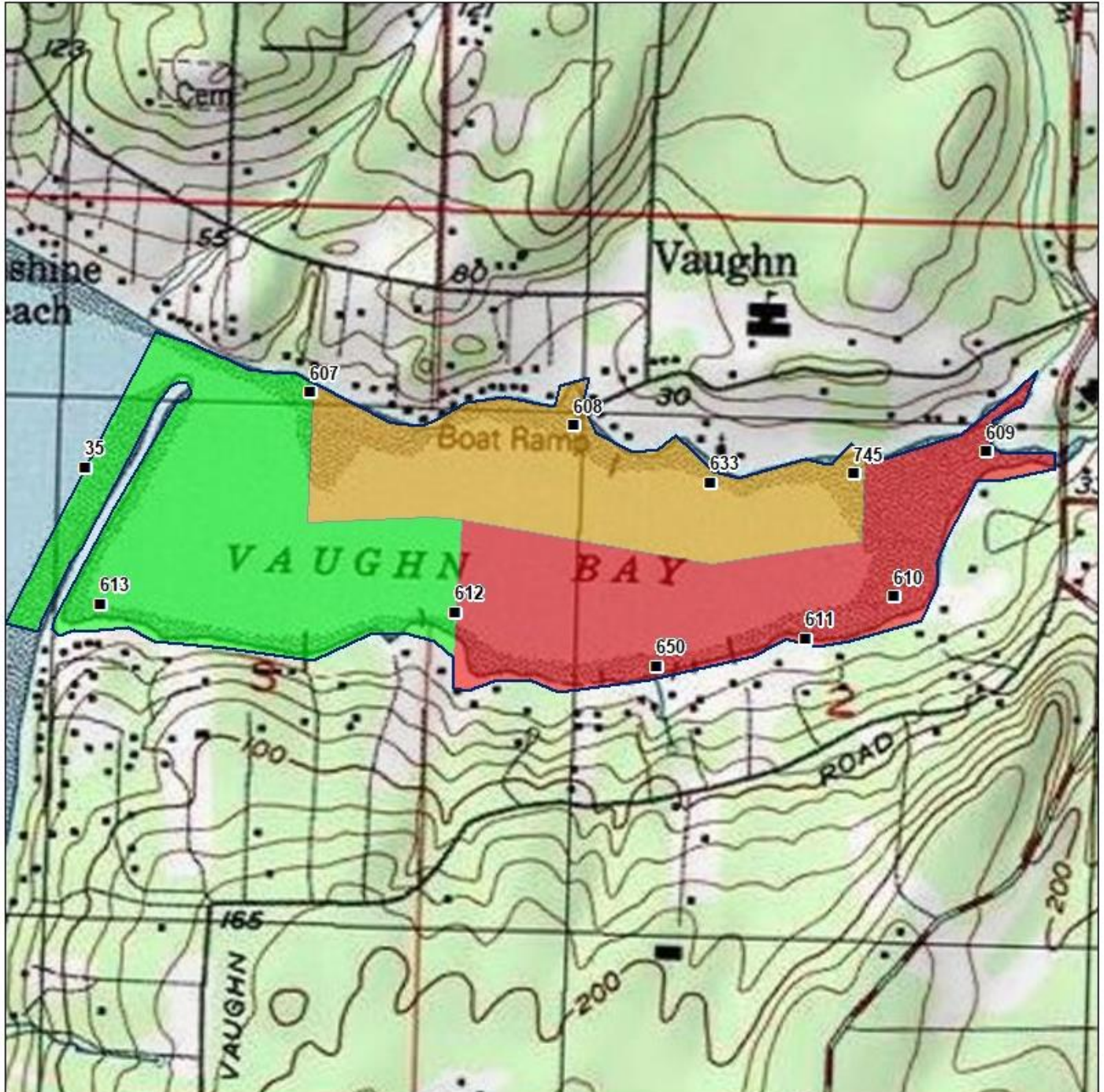
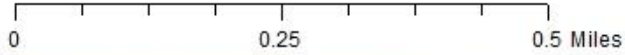


Vaughn Bay Water Quality Summary (January 2024)

 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 (January 2024)

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	7/29/2021 - 12/13/2023	1.7 - 13.0	2.2	4.6	Yes
607	Approved	7/29/2021 - 12/13/2023	1.7 - 17.0	2.2	4.1	Yes
612	Approved	7/29/2021 - 12/13/2023	1.7 - 11.0	2.2	4.3	Yes
613	Approved	7/29/2021 - 12/13/2023	1.7 - 540.0	3.2	17.2	Yes
608	Conditionally Approved	7/29/2021 - 12/13/2023	1.7 - 33.0	3.5	11.8	Yes
633	Conditionally Approved	7/29/2021 - 12/13/2023	1.7 - 23.0	3.3	9.7	Yes
745	Conditionally Approved	7/29/2021 - 12/13/2023	1.7 - 130.0	4.4	18.9	Yes
609	Prohibited	7/29/2021 - 12/13/2023	1.7 - 110.0	6.4	34.5	Yes
610	Prohibited	7/29/2021 - 12/13/2023	1.7 - 49.0	4.4	15.9	Yes
611	Prohibited	7/29/2021 - 12/13/2023	1.7 - 22.0	2.8	7.4	Yes
650	Prohibited	7/29/2021 - 12/13/2023	1.7 - 46.0	4.1	16.2	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 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 th Percentile (FC/100 mL)	Meets Standard
608	Conditionally Approved	2/23/2021 - 11/1/2023	1.7 - 33.0	3.4	10.5	Yes
633	Conditionally Approved	2/23/2021 - 11/1/2023	1.7 - 13.0	2.9	7.8	Yes
745	Conditionally Approved	2/23/2021 - 11/1/2023	1.7 - 130.0	4.2	16.1	Yes
609	Prohibited	2/23/2021 - 11/1/2023	1.7 - 49.0	5.4	25.5	Yes
610	Prohibited	2/23/2021 - 11/1/2023	1.7 - 49.0	4.3	15.3	Yes
611	Prohibited	2/23/2021 - 11/1/2023	1.7 - 22.0	3.0	8.6	Yes
650	Prohibited	2/23/2021 - 11/1/2023	1.7 - 170.0	4.3	21.9	Yes

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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	2022 ANNUAL REPORT Est 90th Percentile	LAST 30 SAMPLES Est 90 th Percentile	Net Trend (>3 FC)
35	Approved	5.7	5.7	4.6	
607	Approved	5.9	5.9	4.1	
612	Approved	7.4	7.4	4.3	Decrease
613	Approved	28.2	28.2	17.2	Decrease
608	Conditionally Approved	25.1	25.1	11.8	Decrease
633	Conditionally Approved	15.1	15.1	9.7	Decrease
745	Conditionally Approved	30.4	30.4	18.9	Decrease
609	Prohibited	79.5	79.5	34.5	Decrease
610	Prohibited	29.8	29.8	15.9	Decrease
611	Prohibited	16.5	16.5	7.4	Decrease
650	Prohibited	44.2	44.2	16.2	Decrease

*All values given in FC/100mL

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