



## Vaughn Bay Summary Marine Water Quality Data (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	2/12/2020 - 7/27/2022	1.7 - 13.0	2.4	5.6	Y
607	Approved	2/12/2020 - 7/27/2022	1.7 - 17.0	2.4	5.4	Y
612	Approved	2/12/2020 - 7/27/2022	1.7 - 240.0	3.2	13.6	Y
613	Approved	2/12/2020 - 7/27/2022	1.7 - 540.0	4.7	41.2	Y
608	Conditionally Approved	2/12/2020 - 7/27/2022	1.7 - 350.0	5.7	37.6	Y
633	Conditionally Approved	2/12/2020 - 7/27/2022	1.7 - 130.0	3.2	11.8	Y
745	Conditionally Approved	2/12/2020 - 7/27/2022	1.7 - 79.0	6.1	28.7	Y
609	Prohibited	2/12/2020 - 7/27/2022	1.7 - 350.0	11.0	112.0	N
610	Prohibited	2/12/2020 - 7/27/2022	1.7 - 240.0	6.5	45.4	N
611	Prohibited	2/12/2020 - 7/27/2022	1.7 - 1600.0	4.6	32.9	Y
650	Prohibited	2/12/2020 - 7/27/2022	1.7 - 540.0	6.7	52.9	N

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

## 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	11/5/2019 - 7/27/2022	1.7 - 350.0	4.8	30.3	Y
633	Conditionally Approved	11/5/2019 - 7/27/2022	1.7 - 13.0	2.6	5.9	Y
745	Conditionally Approved	11/5/2019 - 7/27/2022	1.7 - 79.0	4.8	19.8	Y
609	Prohibited	11/5/2019 - 7/27/2022	1.7 - 350.0	7.0	55.1	N
610	Prohibited	11/5/2019 - 7/27/2022	1.7 - 240.0	5.4	33.0	Y
611	Prohibited	11/5/2019 - 7/27/2022	1.7 - 1600.0	3.8	25.2	Y
650	Prohibited	11/5/2019 - 7/27/2022	1.7 - 540.0	5.4	43.5	N

**Vaughn Bay**  
**Change in Estimated 90<sup>th</sup> Percentile at each Station**  
**from Annual Report Period to Current Period**

Station Number	Classification	2021 ANNUAL REPORT Est 90th Percentile	CURRENT Est 90th Percentile	Change in Est 90th Percentile	>3 Decrease or Increase
35	Approved	6.0	5.6	-0.4	
607	Approved	5.0	5.4	+0.4	
612	Approved	13.1	13.6	+0.5	
613	Approved	45.6	41.2	-4.4	Decrease
608	Conditionally Approved	37.1	37.6	+0.5	
633	Conditionally Approved	13.0	11.8	-1.2	
745	Conditionally Approved	25.0	28.7	+3.7	Increase
609	Prohibited	140.9	112.0	-28.9	Decrease
610	Prohibited	50.2	45.4	-4.8	Decrease
611	Prohibited	29.4	32.9	+3.5	Increase
650	Prohibited	49.5	52.9	+3.4	Increase

\*All values given in FC/100mL

# Vaughn Bay Rolling Estimated 90th Percentiles

- Station 613 (A)
- Station 608 (CA)
- Station 611 (P)
- Station 650 (P)

