

**Washington State Department of Health
Office of Environmental Health and Safety**

Annual Growing Area Review

PREPARED BY: Jean Snyder
AREA: Quartermaster Harbor
YEAR ENDING: December 31, 2015
CLASSIFICATION: Approved, Prohibited

Activities In The Growing Area in 2015

Quartermaster Harbor was sampled eight times in 2015 using the Systematic Random Sampling Method. Public Health Seattle King County continued to use EPA National Estuary Program funding to implement an enhanced shoreline onsite septic system operation and maintenance program in portions of Quartermaster Harbor. In addition, the Department began shoreline drainage sampling in a portion of the Prohibited area near Burton and Jenson Point Park to evaluate those areas for reclassification in 2016.

Analytical Results Of Water Samples

Table 1 summarizes the 30 of the most recent samples collected from each of the sampling stations. All stations located within the Approved portion of the Quartermaster Harbor growing area pass NSSP standards. Station 373 is categorized as Concerned Status due to an elevated estimated 90th percentile value of 25.3 FC/100mL (down from last year's report of 27.6 FC/100 mL).

Change In Actual Pollution Sources That Impact The Growing Area

We have no new information regarding pollution sources in Quartermaster Harbor.

Classification Status

- Well within the classification standards
- Meets standards, but some concerns
- Meets standards, but threatened with downgrade in classification
- Fails to meet current classification standards

Remarks and Recommendations

The Department will evaluate the findings from the recent shoreline evaluations in a portion of the Prohibited area and classify it appropriately.

Table 1

Summary of Marine Water Data (SRS) Growing Area: Quartermaster Harbor

Sampling Event Type: Regulatory
Maximum Number of Samples: 30

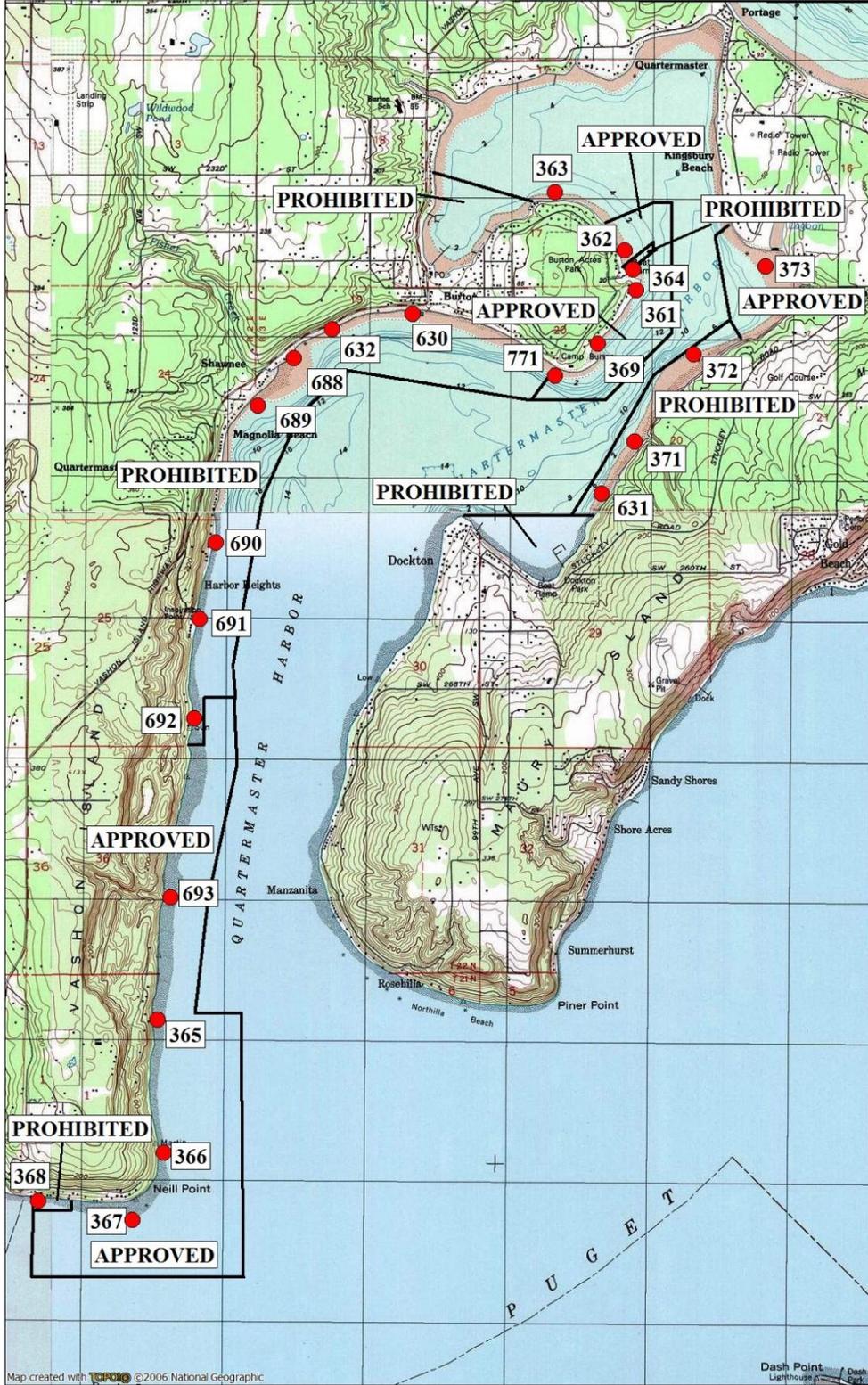
Tides Included: ALL

Station Number	Classification	Date Range	Range (FC/100 mL)	GeoMean (FC/100 mL)	E90th (FC/100 mL)	Meets Standard
361	Approved	2/10/2011 - 12/7/2015	1.7 - 49.0	2.6	9.4	Y
362	Approved	2/10/2011 - 12/7/2015	1.7 - 140.0	3.2	15.5	Y
364	Approved	2/10/2011 - 12/7/2015	1.7 - 49.0	3.3	12.3	Y
365	Approved	2/10/2011 - 12/7/2015	1.7 - 49.0	2.5	7.4	Y
366	Approved	2/10/2011 - 12/7/2015	1.7 - 70.0	2.8	9.5	Y
367	Approved	2/10/2011 - 12/7/2015	1.7 - 130.0	3.5	14.4	Y
368	Approved	2/10/2011 - 12/7/2015	1.7 - 49.0	3.1	10.3	Y
369	Approved	2/10/2011 - 12/7/2015	1.7 - 33.0	3.4	12.8	Y
373	Approved	2/10/2011 - 12/7/2015	1.7 - 350.0	4.1	25.3	Y
693	Approved	2/10/2011 - 12/7/2015	1.7 - 130.0	3.2	14.9	Y
771	Approved	2/10/2011 - 12/7/2015	1.7 - 49.0	2.3	6.7	Y
371	Prohibited	2/10/2011 - 12/7/2015	1.7 - 240.0	3.4	18.5	Y
372	Prohibited	2/10/2011 - 12/7/2015	1.7 - 130.0	3.0	13.4	Y
630	Prohibited	12/2/2010 - 12/7/2015	1.7 - 11.0	2.3	4.6	Y
631	Prohibited	2/10/2011 - 12/7/2015	1.7 - 110.0	3.5	16.7	Y
632	Prohibited	8/11/2010 - 12/7/2015	1.7 - 33.0	2.5	7.1	Y
688	Prohibited	12/2/2010 - 12/7/2015	1.7 - 11.0	2.5	5.7	Y
689	Prohibited	12/2/2010 - 12/7/2015	1.7 - 22.0	2.0	3.7	Y
690	Prohibited	12/2/2010 - 12/7/2015	1.7 - 240.0	2.7	9.0	Y
691	Prohibited	12/2/2010 - 12/7/2015	1.7 - 79.0	3.2	12.0	Y
692	Prohibited	4/20/2011 - 12/7/2015	1.7 - 110.0	2.9	11.2	Y

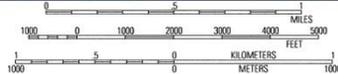
The above table shows bacteriological results in relation to NSSP criteria. NSSP standards for approved shellfish growing waters are a fecal coliform geometric mean not greater than 14 organisms/100 mL and an estimated 90th percentile not greater than 43 organisms/100mL.

Map 1

QUARTERMASTER HARBOR



Map created with TOPOIC ©2006 National Geographic



Dash Point Lighthouse

TN / MN 17°

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