

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Jule Schultz
AREA: Nisqually Reach
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved, Prohibited

Activities In The Growing Area in 2011

The Nisqually Reach growing area was sampled a minimum of six times, with some portions sampled 12 times, using the Systematic Random Sampling method. Thurston County Environmental Health progressed on the enhanced operation and maintenance work in the Nisqually River watershed. We continued evaluating water quality from drainages in the Mill Bight area.

Analytical Results Of Water Samples

Table 1 summarizes the results from all stations in the Nisqually Reach growing area. All stations classified as Approved meet NSSP standards for an Approved classification. Station 709 is Concerned due to a 90th percentile of 28.

Change In Actual Pollution Sources That Impact The Growing Area

We have no new information regarding pollution sources in the area.

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 area is correctly classified. The Department should continue to evaluate drainages south of Mill Bight.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **NISQUALLY REACH**

Classification: Approved, Prohibited

From **05/18/2009** To **12/31/2011**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
222	Approved	31	1.7 - 23.0	3.0	9.0	Yes
223	Approved	32	1.7 - 33.0	2.9	10.0	Yes
224	Prohibited	32	1.7 - 79.0	6.6	31.0	Yes
225	Approved	32	1.7 - 130.0	4.9	19.0	Yes
226	Approved	32	1.7 - 130.0	2.5	8.0	Yes
227	Approved	32	1.7 - 17.0	2.4	5.0	Yes
228	Approved	32	1.7 - 13.0	2.4	5.0	Yes
229	Approved	32	1.7 - 49.0	3.4	13.0	Yes
230	Approved	30	1.7 - 49.0	3.0	10.0	Yes
231	Approved	32	1.7 - 130.0	3.5	14.0	Yes
232	Approved	32	1.7 - 23.0	2.2	5.0	Yes
233	Approved	32	1.7 - 23.0	2.3	5.0	Yes
234	Prohibited	32	1.7 - 79.0	7.3	32.0	Yes
235	Prohibited	30	1.7 - 130.0	13.9	66.0	No
236	Prohibited	30	1.7 - 110.0	16.0	67.0	No
242	Approved	31	1.7 - 4.5	1.9	2.0	Yes
243	Approved	32	1.7 - 22.0	2.0	4.0	Yes
244	Approved	30	1.7 - 23.0	2.0	4.0	Yes
245	Approved	32	1.7 - 33.0	2.3	6.0	Yes
246	Approved	32	1.7 - 33.0	3.5	13.0	Yes
247	Approved	32	1.7 - 13.0	2.8	7.0	Yes
248	Approved	32	1.7 - 17.0	2.8	7.0	Yes
253	Approved	32	1.7 - 79.0	3.7	16.0	Yes
709	Approved	32	1.7 - 79.0	6.1	28.0	Yes
759	Approved	24	1.7 - 70.0	3.5	14.0	*N/A

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

* N/A - SRS criteria require a minimum of 30 samples from each station. *

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **NISQUALLY REACH**

Classification: Approved, Prohibited

From **03/06/2007** To **12/31/2011**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
237	Approved	31	1.7 - 7.8	1.8	2.0	Yes
238	Approved	31	1.7 - 4.5	1.7	2.0	Yes
239	Approved	31	1.7 - 2.0	1.7	1.0	Yes
240	Approved	31	1.7 - 95.0	2.1	6.0	Yes
241	Approved	31	1.7 - 11.0	1.8	2.0	Yes
249	Prohibited	30	1.7 - 7.8	2.1	3.0	Yes
250	Approved	32	1.7 - 350.0	2.2	7.0	Yes
251	Prohibited	31	1.7 - 4.5	1.8	2.0	Yes
252	Approved	31	1.7 - 17.0	2.1	4.0	Yes

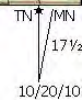
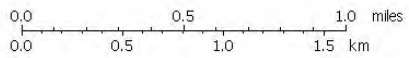
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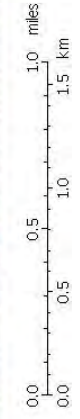
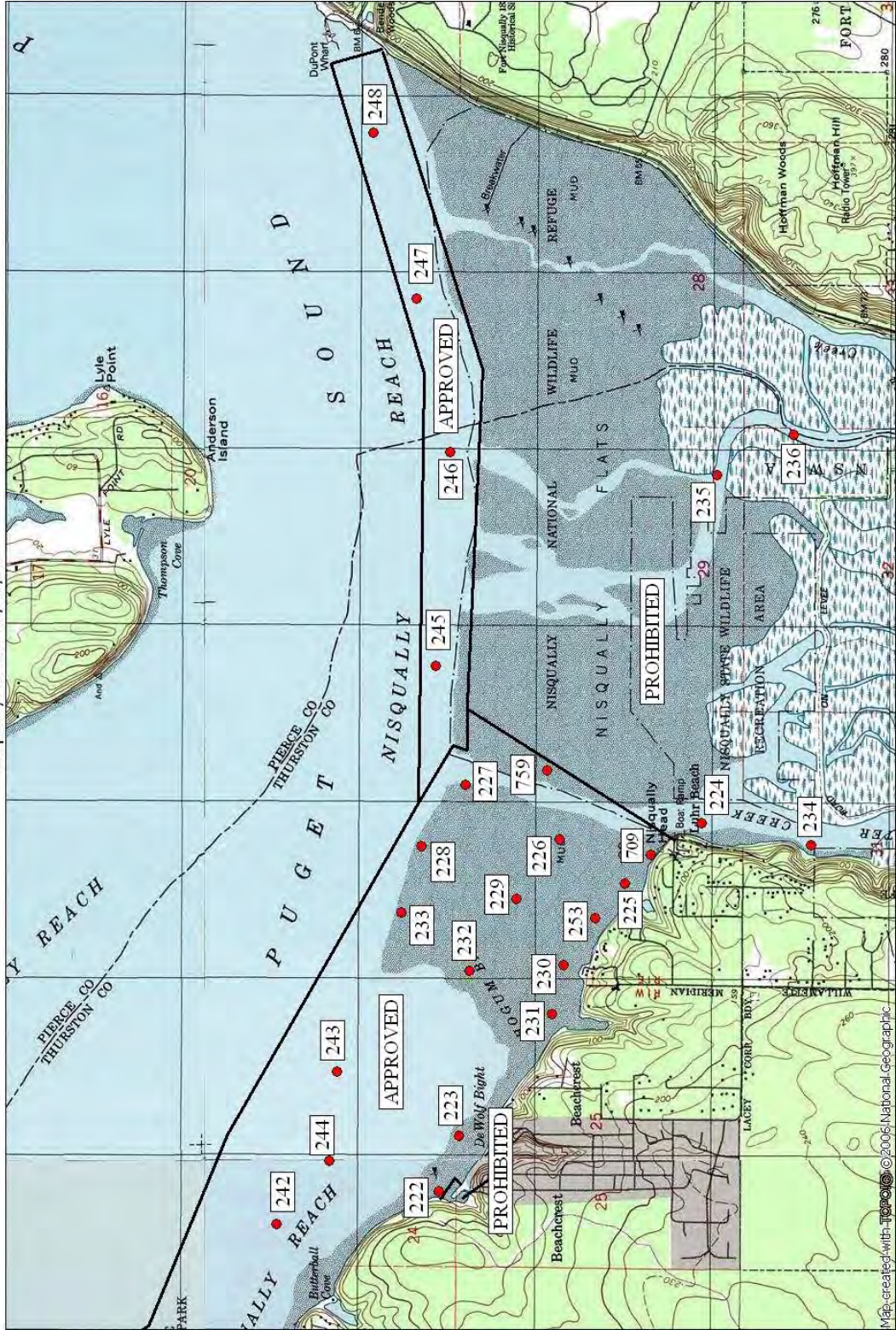
Nisqually Reach 10/20/10



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Nisqually Reach 12/17/10



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