

**Washington State Department of Health
Office of Shellfish and Water Protection**

Annual Growing Area Review

PREPARED BY: Tim Determan, Public Health Advisor

AREA: North Bay

YEAR ENDING: December 31, 2011

CLASSIFICATION: Approved, Prohibited, Unclassified

ACTIVITIES IN THE GROWING AREA IN 2011:

Samples were collected in North Bay 6 times during 2011 using the Systematic Random Sampling method. On November 23, WDOH closed the area to shellfish harvest for six days due to extreme rainfall (3.27 inches per 24 hours) measured at the Minter Creek Hatchery.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table 1 summarizes the most recent 30 samples collected from all but one sampling station (Station 762). These stations pass the NSSP Approved water quality standard. A new station (Station 762) did not have the required 30 minimum samples for official evaluation. However, the range of results (2.0-23.0 MPN per ml) and the statistics calculated from the results suggest minimal fecal pollution to date.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

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

REMARKS AND RECOMMENDATIONS:

The Washington State Department of Ecology has placed 2 areas of North Bay on its 303d list as “impaired” (Category 5) by fecal coliform pollution. Area 1 stretches along the west shore from Sherwood Creek to the northernmost end. The second area is the small embayment from Rocky Point (Station 551) north to Station 553.

TABLE 1**SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **NORTH BAY**Classification: **Unclassified,Approved,Prohibited**From **01/22/2009** To **12/31/2011****FECAL COLIFORM ORGANISMS/100 ML**

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
762	Unclassified	5	2.0 - 23.0	5.6	21.0	*N/A
1	Approved	30	1.7 - 49.0	3.9	14.0	Yes
2	Approved	30	1.7 - 17.0	3.0	8.0	Yes
3	Approved	30	1.7 - 13.0	2.6	6.0	Yes
4	Approved	30	1.7 - 17.0	2.4	5.0	Yes
5	Approved	30	1.7 - 17.0	2.1	4.0	Yes
6	Approved	30	1.7 - 33.0	2.2	5.0	Yes
7	Approved	30	1.7 - 33.0	3.8	12.0	Yes
11	Approved	30	1.7 - 13.0	2.8	6.0	Yes
12	Approved	30	1.7 - 70.0	3.6	10.0	Yes
14	Approved	29	1.7 - 23.0	2.9	8.0	*N/A
15	Approved	30	1.7 - 22.0	2.9	7.0	Yes
16	Approved	30	1.7 - 23.0	2.3	6.0	Yes
548	Approved	30	1.7 - 33.0	3.5	11.0	Yes
551	Approved	30	1.7 - 23.0	2.3	5.0	Yes
552	Approved	30	1.7 - 17.0	2.2	4.0	Yes
553	Approved	30	1.7 - 33.0	2.6	7.0	Yes
575	Approved	30	1.7 - 23.0	3.3	9.0	Yes
9	Prohibited	30	1.7 - 130.0	3.6	12.0	Yes
549	Prohibited	30	1.7 - 79.0	4.1	16.0	Yes
550	Prohibited	30	1.7 - 33.0	3.4	11.0	Yes

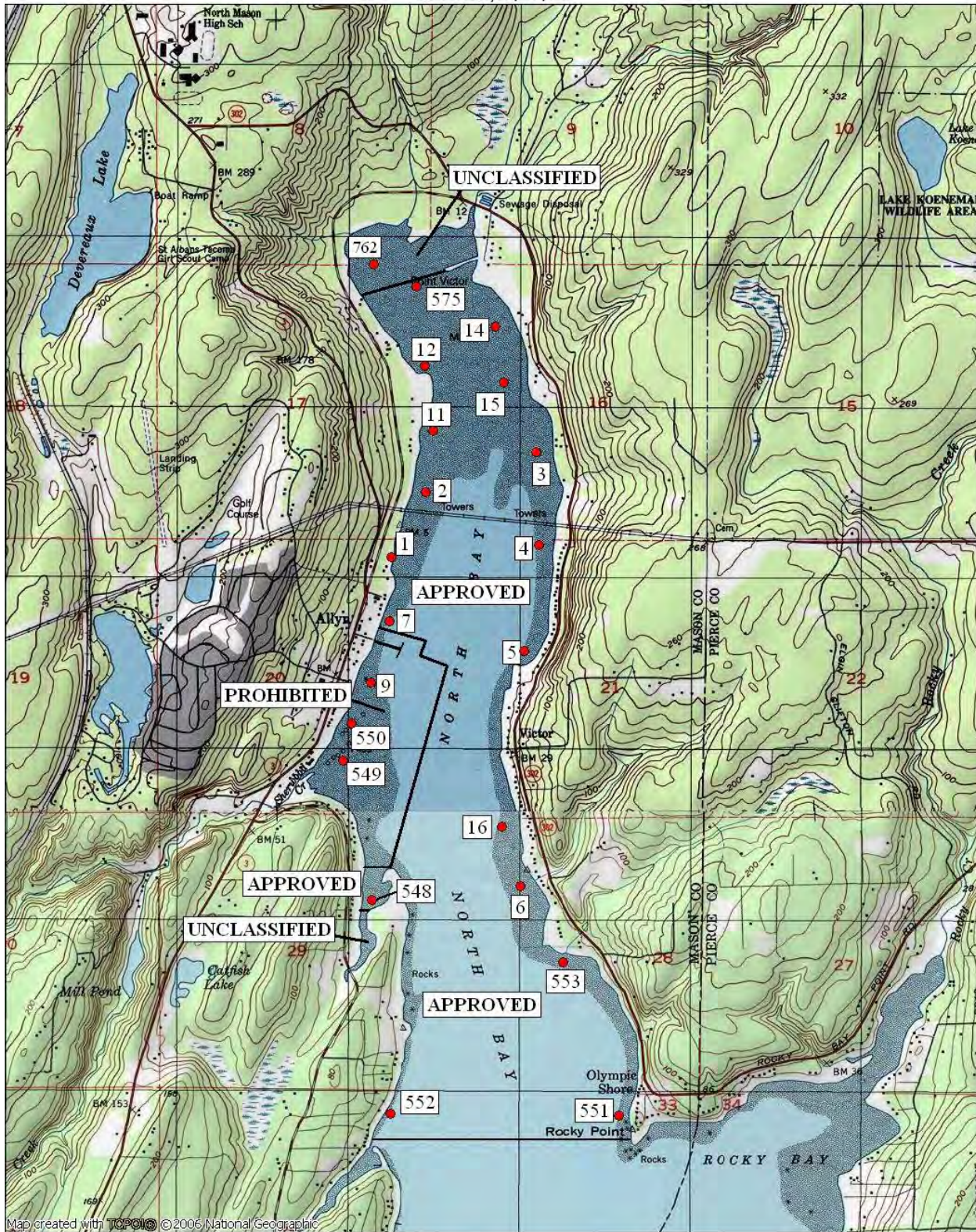
All tides information is presented

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.

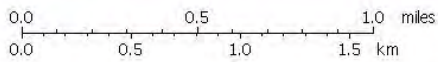
* N/A - SRS criteria require a minimum of 30 samples from each station. *

† All samples have been verified.

North Bay 7/07/10



Map created with TOPOIC © 2006 National Geographic



TN / MN
17 1/2
07/07/10