

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF SHELLFISH AND WATER PROTECTION**

ANNUAL GROWING AREA REVIEW

PREPARED BY: Jerry Lukes, Environmental Specialist

AREA: Hammersley Inlet

YEAR ENDING: December 31, 2008

CLASSIFICATION: Approved, Restricted, Prohibited

ACTIVITIES IN THE GROWING AREA IN 2008:

Hammersley Inlet was sampled 6 times during 2008 in accordance with the NSSP systematic random sampling criteria. Shellfish were harvested from the Restricted area and relayed to Eld Inlet. Increased sampling to meet the NSSP minimum sample criteria allowed for expansion of the growing area to the west. The area had a 7 day emergency closure due to excessive rainfall during the year.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 and #2 summarize the results of the most recent 30 water samples collected from the area. This summary shows that all "approved" stations pass the NSSP approved water quality standards.

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 area is correctly classified as "approved. The marine waters of Hammersley Inlet in the vicinity of Mill Creek are on the 303d list for fecal coliform.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **HAMMERSLEY INLET**

Classification: **Approved,Restricted**

From **12/29/2003** To **12/16/2008**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
96	Approved	31	1.7 - 130.0	2.4	7.0	Yes
97	Approved	31	1.7 - 49.0	2.3	6.0	Yes
98	Approved	31	1.7 - 33.0	2.5	6.0	Yes
99	Approved	30	1.7 - 33.0	2.4	6.0	Yes
101	Approved	31	1.7 - 170.0	3.4	16.0	Yes
102	Approved	31	1.7 - 79.0	3.3	14.0	Yes
103	Approved	31	1.7 - 140.0	3.6	17.0	Yes
104	Approved	31	1.7 - 70.0	3.3	14.0	Yes
105	Approved	31	1.7 - 180.0	3.8	19.0	Yes
111	Approved	31	1.7 - 49.0	3.2	11.0	Yes
112	Approved	31	1.7 - 49.0	3.3	11.0	Yes
113	Approved	31	1.7 - 49.0	3.6	14.0	Yes
695	Approved	37	1.7 - 79.0	4.0	15.0	Yes
100	Restricted	31	1.7 - 350.0	9.4	58.0	No

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.

TABLE 2

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **HAMMERSLEY INLET**

Classification:

From **01/01/2006** To **12/16/2008**

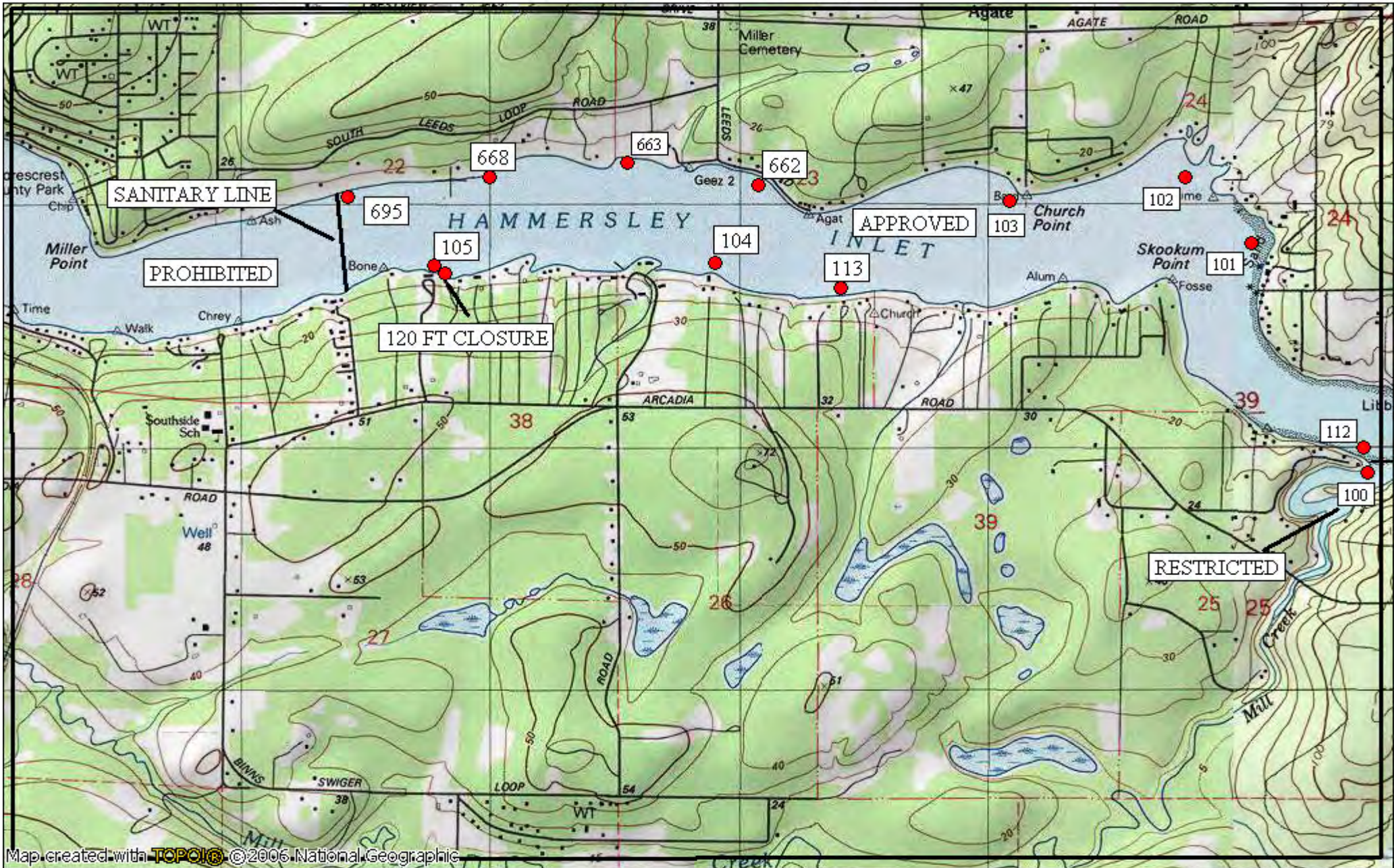
FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
662	Approved	31	1.7 - 79.0	3.6	15.0	Yes
663	Approved	30	1.7 - 170.0	4.6	24.0	Yes
668	Approved	31	1.7 - 110.0	4.1	17.0	Yes

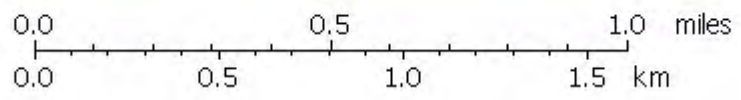
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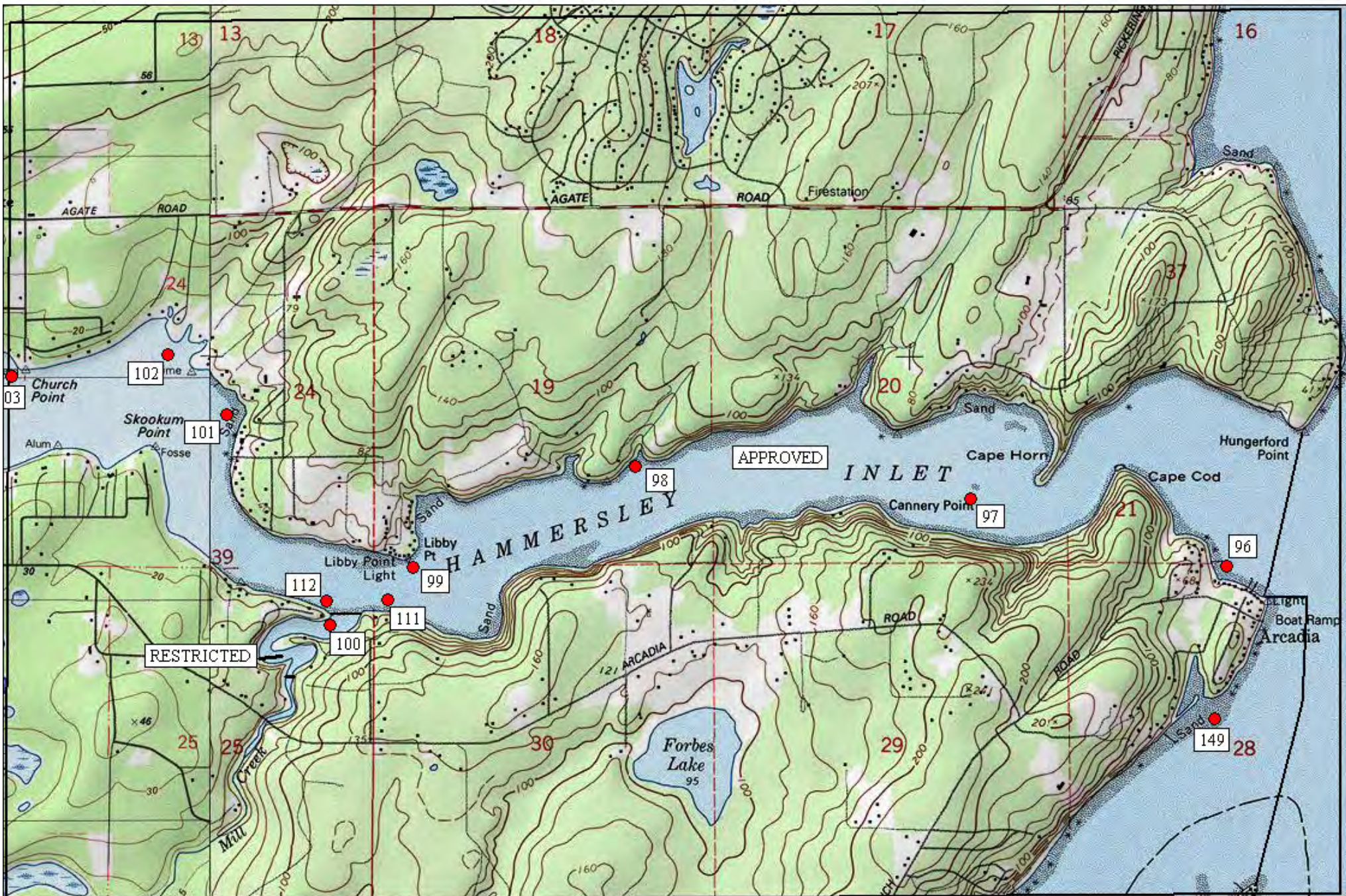
HAMMERSLEY INLET- 1 4/2/08



Map created with TOPOIG © 2006 National Geographic



TN ↑ MN
17 1/2
03/18/09



TN ↑ / MN
18°

