

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

ANNUAL GROWING AREA REVIEW

PREPARED BY: Jerry Lukes, Environmental Specialist

AREA: Sequim Bay

YEAR ENDING: December 31, 2008

CLASSIFICATION: Approved, Prohibited

ACTIVITIES IN THE GROWING AREA IN 2008:

Samples were collected at least 6 times from the Sequim Bay growing area. The “conditionally approved” portion of Sequim Bay was reclassified as Approved in 2008. A shoreline survey evaluation of Sequim Bay was completed during 2008. No direct or indirect impacts were identified which would prohibit commercial harvest of shellfish from this area. The portion of the area which had been classified Conditionally Approved at Sequim Bay State Park abandoned their on-site sewage system and connected to the city of Sequim’s community sewage system.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 and Table #2 summarize the most recent 30 samples collected from each of the “approved” and “prohibited” stations. These summaries show that all “approved” stations pass the NSSP water quality standard. Station #88 is of concern due to elevated bacteria levels.

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 appropriately classified. Bell, Johnson, and Jimmycomelately creeks are on the 303d list for fecal coliform.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **SEQUIM BAY**

Classification: **Approved, Prohibited, Unclassified**

From **10/20/2003** To **11/18/2008**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
72	Approved	31	1.7 - 6.1	1.9	2.0	Yes
74	Approved	31	1.7 - 7.8	2.0	3.0	Yes
75	Approved	30	1.7 - 2.0	1.7	1.0	Yes
77	Approved	31	1.7 - 14.0	2.1	4.0	Yes
81	Approved	31	1.7 - 70.0	2.5	7.0	Yes
82	Approved	31	1.7 - 4.5	2.0	3.0	Yes
83	Approved	31	1.7 - 26.0	2.5	6.0	Yes
84	Approved	31	1.7 - 4.5	1.8	2.0	Yes
86	Approved	31	1.7 - 13.0	1.9	3.0	Yes
88	Approved	31	1.7 - 170.0	4.0	20.0	Yes
89	Approved	31	1.7 - 23.0	2.4	5.0	Yes
90	Approved	31	1.7 - 11.0	2.1	4.0	Yes
91	Approved	31	1.7 - 70.0	2.5	9.0	Yes
93	Approved	31	1.7 - 23.0	2.3	6.0	Yes
96	Approved	31	1.7 - 4.5	1.8	2.0	Yes
98	Approved	31	1.7 - 17.0	2.1	4.0	Yes
76	Prohibited	33	1.7 - 7.8	2.2	4.0	Yes
87	Prohibited	31	1.7 - 13.0	2.0	3.0	Yes
190	Unclassified	11	1.7 - 17.0	2.3	5.0	*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. *

TABLE 2

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **SEQUIM BAY**

Classification:

From **04/02/2001** To **11/18/2008**

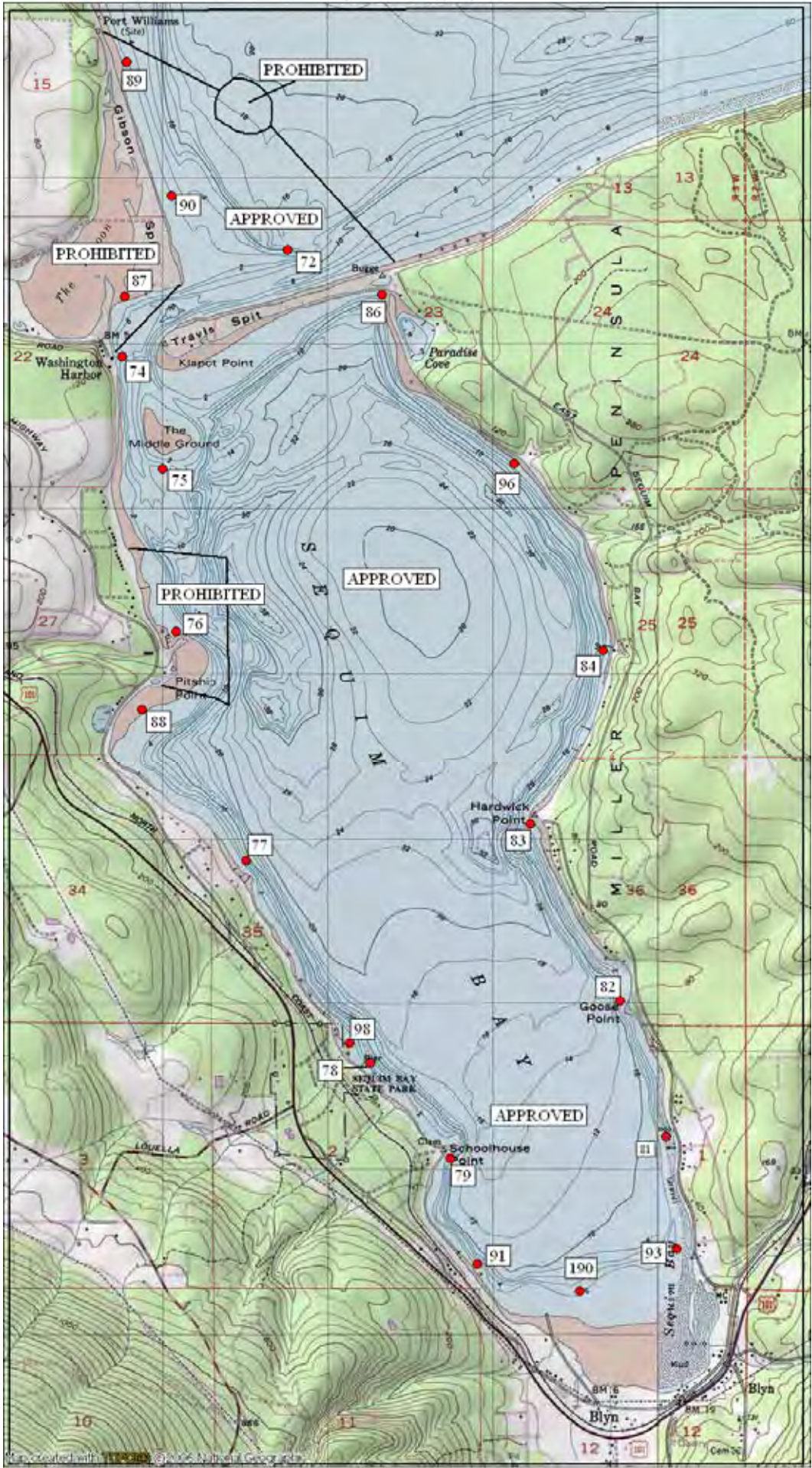
FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
73	Approved	30	1.7 - 5.6	1.9	2.0	Yes

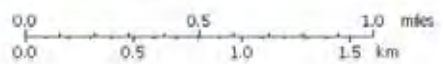
All tides information is presented

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.

† All samples have been verified



Map created with 11/19/08 © 2008 National Geographic



11° 18' N
119° 08' W
11/19/08