

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Jule Schultz
AREA: Drayton Harbor
YEAR ENDING: December 31, 2011
CLASSIFICATION: Conditionally Approved, Prohibited

Activities in the Growing Area in 2011

The Drayton Harbor growing area was sampled 12 times using the Systematic Random Sampling method, 8 of which occurred while the Conditionally Approved portion of the growing area was in Open status. The growing area was closed seasonally from November 1st to February 28th. We evaluated the Blaine Water Reclamation Facility and recommended a reduction in closure zone after the viral cleansing period is completed. The Drayton Harbor Shellfish Protection District Advisory Committee continues to meet and investigate non-point pollution sources in the watershed.

Analytical Results Of Water Samples

Table 1 shows the results of the most recent 30 samples from all stations in the Conditionally Approved portion of the area during Open status, Closed status, and a minimum of the last 30 samples at stations in the Prohibited area. This summary shows that all stations in the Conditionally Approved area meet NSSP standards during the open period.

Change In Actual Pollution Sources That Impact The Growing Area

The enhanced treatment at the new wastewater reclamation facility was opened in Blaine will reduce the closure zone around the outfall to the minimum 300 yard radius after the viral cleansing period has been completed in January 2015.

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

Marine waters near the mouth of Drayton Harbor and segments of Dakota and California creeks are on the 303D list for fecal coliform. Investigations into pollution sources should continue in the Drayton Harbor Watershed.

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Management Plan Evaluation:

- 1. Have all parties involved complied with the conditions of the management plan..... Yes
- 2. Has reporting been adequate to manage the conditional area Yes
- 3. Does the area consistently meet approved area criteria when it is open for harvest..... Yes
- 4. Has a field inspection of critical pollution sources been conducted Yes

TABLE 1

**Summary of Marine Water Data (SRS)
Growing Area: Drayton Harbor
Classification: Conditionally Approved, Prohibited**

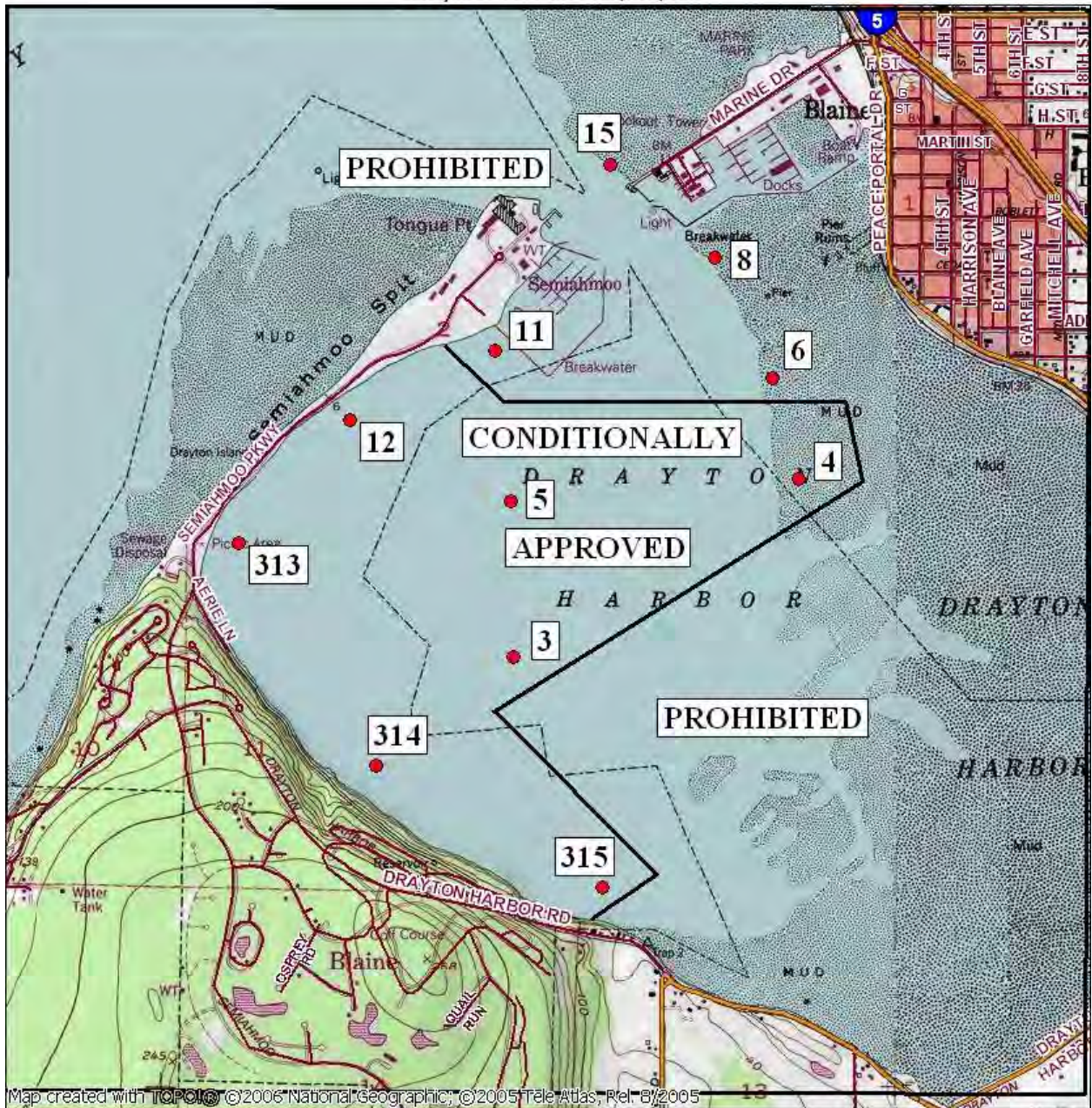
Fecal Coliform Organisms/100 ml

Station	Sample Date Range	Classification	Number of Samples	Range	Geometric Mean	Est. 90 th Percentile	Meets Std.
Open Period (March – October)							
3	10/2/2007 – 10/13/2011	Conditionally Approved	30	1.0 – 23.0	2.7	7.0	Yes
4	10/2/2007 – 10/13/2011	Conditionally Approved	30	<1.8 – 17.0	3.1	9.0	Yes
5	10/2/2007 – 10/13/2011	Conditionally Approved	30	<1.8 – 23.0	2.4	6.0	Yes
6	9/6/2007 – 10/13/2011	Prohibited	30	<1.8 – 33.0	3.6	12.0	Yes
12	10/2/2007 – 10/13/2011	Conditionally Approved	30	<1.8 – 6.8	2.0	3.0	Yes
313	10/2/2007 – 10/13/2011	Conditionally Approved	30	<1.8 – 4.5	1.8	2.0	Yes
314	10/2/2007 – 10/13/2011	Conditionally Approved	30	<1.8 – 23.0	2.7	7.0	Yes
315	10/2/2007 – 10/13/2011	Conditionally Approved	30	<1.8 – 23.0	2.8	7.0	Yes
Closed Period (November – February)							
3	2/23/2004 – 12/8/2011	Conditionally Approved	31	2.0 – 1,600	23.5	135.0	No
4	2/23/2004 – 12/8/2011	Conditionally Approved	31	<1.8 – 540	20.6	135.0	No
5	2/23/2004 – 12/8/2011	Conditionally Approved	30	2.0 – 350	22.0	117.0	No
12	2/23/2004 – 12/8/2011	Conditionally Approved	31	<1.8 – 350	19.6	109.0	No
313	2/23/2004 – 12/8/2011	Conditionally Approved	30	<1.8 – 240	22.0	126.0	No
314	2/23/2004 – 12/8/2011	Conditionally Approved	30	<1.8 – 240	16.5	93.0	No
315	2/23/2004 – 12/8/2011	Conditionally Approved	30	<1.8 - 350	22.3	125.0	No
Prohibited Stations							
6	3/25/2009 – 12/31/2011	Prohibited	30	<1.8 – 350	5.4	33.0	Yes
8	3/25/2009 – 12/31/2011	Prohibited	32	<1.8 – 920	11.3	85.0	No
11	3/25/2009 – 12/31/2011	Prohibited	32	<1.8 – 540	4.4	24.0	Yes
15	3/25/2009 – 12/31/2011	Prohibited	32	<1.8 - 540	15.2	118.0	No

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.

MAP 1

Drayton Harbor 10/18/10



Map created with TOPOLOG ©2006 National Geographic, ©2005 File Atlas, Rel. 8/2005

