

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

PREPARED BY: Jule Schultz
AREA: Annas Bay
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved, Conditionally Approved

Activities in the Growing Area in 2011

The Annas Bay growing area was sampled 12 times in 2011, using the systematic random sampling method. A portion of the growing area was closed due to river flooding during two of these sampling events. A portion of Annas Bay was closed 7 times for 69 days due to flooding along the Skokomish River. The Conditionally Approved area, closed between May 1st and November 30th due to the Union Marina, was sampled 5 times while in Open status. A Shoreline Survey was completed in the growing area. No Direct or Indirect Impacts were identified. A survey of the banks of the Skokomish River during fishing season found no evidence of unsanitary conditions.

Analytical Results Of Water Samples

Table 1 summarizes the results of the most recent 30 water samples collected from the area. Table 1 shows that all stations in the Approved and Conditionally Approved portion of the area meet the water quality standard. Based on elevated bacteria levels, Stations 198 and 195 are listed as Concerned.

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 downgrade in classification
- Fails to meet current classification standards

Remarks and Recommendations

The area is correctly classified.

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Office of Shellfish and Water Protection**

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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

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **ANNAS BAY**

Classification: **Approved, Conditionally Approved**

From **1/29/2007** To **12/31/2011**

FECAL COLIFORM ORGANISMS/100 ML

Station	Classification	Date Range	Number of samples	range	geo mean	90th percentile	meets std.
195	Approved	10/25/2006-12/31/2012	31	1.7-49	5	23	Yes
196	Approved	10/25/2006-12/31/2012	31	1.7-79	4	13	Yes
197	Approved	10/25/2006-12/31/2012	30	1.7-33	6	19	Yes
198	Approved	10/25/2006-12/31/2012	31	1.7-46	6	23	Yes
199	Approved	10/25/2006-12/31/2012	31	1.7-49	3	9	Yes
200	Approved	10/25/2006-12/31/2012	31	1.7-17	2	6	Yes
201	Approved	9/17/2007-12/31/2012	31	1.7-49	3	8	Yes
202	Approved	9/17/2007-12/31/2012	31	1.7-140	3	10	Yes
203	Approved	9/17/2007-12/31/2012	31	1.7-79	3	10	Yes
204	Approved	9/17/2007-12/31/2012	31	1.7-23	2	7	Yes
205	Approved	9/17/2007-12/31/2012	30	1.7-130	3	10	Yes
206	Approved	10/25/2006-12/31/2012	31	1.7-46	5	18	Yes
299	Approved	10/25/2006-12/31/2012	34	1.7-70	3	9	Yes
300	Conditionally Approved	10/25/2006-12/31/2012	34	1.7-33	4	11	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.

MAP 1

Annas Bay 6/15/10



Map created with TOPO! © 2006 National Geographic

