

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

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

Activities In The Growing Area In 2011

Samples were collected a minimum of six times from the Dabob Bay growing area using the Systematic Random Sampling method.

Analytical Results Of Water Samples

Table 1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard. Station 296 has an estimated 90th percentile of 36 FC/100 ml primarily due to the November 6, 2006 sampling result of 1,600 FC/100 ml. This sampling event will drop from the dataset in 2012 and the estimated 90th percentile will reduce significantly. Because of this, the station is not listed as Threatened. Table 2 shows the last individual sample results at Station 296.

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 About Classification Status

Table 1 shows that all stations meet the NSSP water quality standards for an Approved classification and the area is correctly classified.

Recommendations

The area is correctly classified and should remain classified as Approved.

TABLE 1

SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **DABOB BAY**

Classification: **Approved,Unclassified**

From **03/07/2006** To **12/31/2011**

FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
96	Approved	35	1.7 - 33.0	1.8	3.0	Yes
97	Approved	35	1.7 - 79.0	2.1	5.0	Yes
98	Approved	35	1.7 - 49.0	2.2	5.0	Yes
99	Approved	35	1.7 - 13.0	2.0	3.0	Yes
100	Approved	35	1.7 - 4.5	1.8	2.0	Yes
102	Approved	35	1.7 - 4.5	1.7	2.0	Yes
105	Approved	35	1.7 - 4.0	1.7	2.0	Yes
106	Approved	35	1.7 - 6.8	1.8	2.0	Yes
107	Approved	35	1.7 - 2.0	1.7	1.0	Yes
109	Approved	35	1.7 - 4.5	1.8	2.0	Yes
110	Approved	35	1.7 - 6.8	1.8	2.0	Yes
111	Approved	35	1.7 - 2.0	1.7	1.0	Yes
112	Approved	35	1.7 - 13.0	2.0	3.0	Yes
113	Approved	35	1.7 - 6.8	1.8	2.0	Yes
294	Approved	31	1.7 - 79.0	2.8	9.0	Yes
295	Approved	30	1.7 - 33.0	3.3	10.0	Yes
296	Approved	31	1.7 - 1,600.0	5.6	36.0	Yes
297	Approved	31	1.7 - 70.0	3.8	14.0	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.

TABLE 2

Summary by Day of Threatened Stations

**SUMMARY OF SHELLFISH GROWING AREAS
WATER QUALITY STUDY RESULTS**

Growing Area: **DABOB BAY**

Sampling Station Number: **296**

Classification: **Approved**

Sample Date	Sample Time	Tide	Fcoli/100ml	Temperature	Salinity
03/07/2006	10:00	Ebb	2		20
06/01/2006	07:50	Flood	2		25
09/05/2006	14:40	Flood	2		30
11/06/2006	08:36	Ebb	1600		30
12/14/2006	12:00	Flood	7.8		20
01/03/2007	12:15	Flood	2		26
03/26/2007	10:00	Ebb	1.7		15
07/23/2007	13:10	Ebb	2		30
10/16/2007	10:20	Flood	7.8		30
11/15/2007	09:40	Ebb	23		30
01/15/2008	09:30	Ebb	6.8		15
04/01/2008	12:15	Flood	1.7		29
08/25/2008	12:30	Flood	2		30
11/18/2008	10:20	Ebb	7.8		24
02/18/2009	10:00	Flood	7.8		15
06/16/2009	11:30	Flood	7.8		30
08/11/2009	10:00	Ebb	7.8		30
10/13/2009	11:20	Flood	1.7		30
12/02/2009	12:15	Flood	7.8		26
01/20/2010	09:14	Ebb	4.5		19
03/08/2010	10:30	Flood	1.7		8
05/20/2010	10:10	Ebb	110		25
07/19/2010	12:30	Flood	2		25
09/14/2010	10:58	Flood	7.8	16	28
11/02/2010	13:32	Flood	4.5	13	26
02/10/2011	09:15	Flood	1.7	8	21
04/11/2011	10:35	Flood	4.5	11	23
06/06/2011	07:45	Flood	11		
08/17/2011	08:10	Ebb	4.5		12
10/31/2011	10:45	Ebb	33	10	28
12/15/2011	19:00	Ebb	1.7	5	22

Number of Samples: 31

Range: 1.7 - 1600

Geometric Mean: 5.6

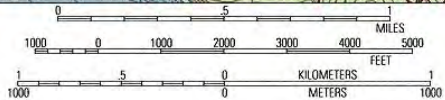
Estimated 90th Percentile: 36

† All samples have been verified.





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