

Washington State Department of Health Office of Shellfish and Water Protection

Annual Growing Area Review

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AREA: West Key Peninsula
YEAR ENDING: December 31, 2011
CLASSIFICATION: Approved, Prohibited, Unclassified

Activities In The Growing Area In Current Year

Water samples were collected from the growing area six times during the year using the Systematic Random Sampling method. Due to shallow water conditions, only four samples were collected from Marine Station 556. Stations 765, 798, and 813 were added to the growing area.

Analytical Results Of Water Samples

Tables 1 & 2 summarize the results of all samples collected within the Approved area. These Tables show that all stations in the Approved areas pass the NSSP water quality standard.

Change In Actual Pollution Sources That Impact The Growing Area

A failing on-site sewage disposal system was identified along the shoreline of Dutcher Cove resulted in a temporary closure of a portion of the growing area. The system was repaired and the area was re-opened.

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 classified as Approved meet the NSSP water quality standards for an Approved classification and the area is correctly classified.

Recommendations

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

TABLE 1**Summary of Marine Water Data (SRS)****West Key Peninsula****Approved****Fecal Coliform Organism/100mL**

Station	Date Range	Classification	No. of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Stds
40	10/10/2006 – 12/21/2011	Approved	33	1.7 - 22.0	2.5	6.0	Yes
41	10/10/2006 – 12/21/2011	Approved	32	1.7 - 23.0	2.2	4.0	Yes
42	10/10/2006 – 12/21/2011	Approved	33	1.7 - 17.0	2.2	4.0	Yes
213	10/10/2006 – 12/21/2011	Approved	33	1.7 - 11.0	2.0	3.0	Yes
214	10/10/2006 – 12/21/2011	Approved	33	1.7 - 4.0	1.7	2.0	Yes
556	10/10/2006 – 12/21/2011	Approved	30	1.7 - 23.0	2.8	7.0	Yes
557	10/10/2006 – 12/21/2011	Approved	33	1.7 - 28.0	1.8	3.0	Yes
558	10/10/2006 – 12/21/2011	Approved	33	1.7 - 11.0	2.0	3.0	Yes
579	10/10/2006 – 12/21/2011	Approved	33	1.7 - 11.0	1.9	2.0	Yes
580	10/10/2006 – 12/21/2011	Approved	33	1.7 - 23.0	2.0	3.0	Yes
657	04/05/2007 – 12/21/2011	Approved	30	1.7 - 23.0	2.0	4.0	Yes
658	04/05/2007 – 12/21/2011	Approved	30	1.7 - 13.0	2.2	4.0	Yes
682	04/05/2007 – 12/21/2011	Approved	30	1.7 - 7.80	2.0	3.0	Yes
683	04/05/2007 – 12/21/2011	Approved	30	1.7 - 11.0	1.8	2.0	Yes
684	04/05/2007 – 12/21/2011	Approved	30	1.7 - 22.0	2.0	4.0	Yes
685	04/05/2007 – 12/21/2011	Approved	30	1.7 - 13.0	2.2	5.0	Yes
699	04/05/2007 – 12/21/2011	Approved	37	1.7 - 23.0	2.2	5.0	Yes
765	07/17/2007 – 12/21/2011	Approved	6	<1.8 - <1.8	<1.8	1.0	N/A

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.

West Key Peninsula Shellfish Growing Area Map (North Section)



Map created with ©2009 National Geographic



0.0 0.5 1.0 miles
0.0 0.5 1.0 1.5 km

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West Key Peninsula Shellfish Growing Area Map (South Section)

