

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

**ANNUAL GROWING AREA REVIEW**

**PREPARED BY:** Laura A. White, R.S., Public Health Advisor

**AREA:** Cedar River

**YEAR ENDING:** December 31, 2011

**CLASSIFICATION:** Approved, Prohibited, Unclassified

**ACTIVITIES IN THE GROWING AREA IN 2011:**

Samples were collected from the growing area six times during the year using the Systematic Random Sampling method. In 2011 we completed a shoreline survey report for this growing area. No Direct or Indirect impacts were identified.

**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.

**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:**

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

## TABLE 1

### SUMMARY OF MARINE WATER DATA (SRS)

Growing Area: **CEDAR RIVER**

Classification: **Approved,Unclassified,Prohibited**

From **12/20/2006** To **12/31/2011**

### FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
40	Approved	32	1.7 - 4.5	1.8	2.0	Yes
42	Approved	31	1.7 - 7.8	1.9	3.0	Yes
43	Approved	32	1.7 - 4.5	1.8	2.0	Yes
44	Approved	31	1.7 - 7.8	2.0	3.0	Yes
45	Approved	31	1.7 - 170.0	2.9	12.0	Yes
50	Approved	31	1.7 - 49.0	2.1	4.0	Yes
51	Approved	31	1.7 - 33.0	2.1	4.0	Yes
52	Approved	31	1.7 - 13.0	1.9	3.0	Yes
53	Approved	31	1.7 - 6.8	1.9	2.0	Yes
54	Approved	31	1.7 - 4.5	1.9	2.0	Yes
56	Approved	31	1.7 - 49.0	2.4	6.0	Yes
57	Approved	31	1.7 - 13.0	2.0	3.0	Yes
58	Approved	31	1.7 - 79.0	2.4	6.0	Yes
59	Approved	30	1.0 - 7.8	2.1	4.0	Yes
46	Unclassified	31	1.7 - 130.0	3.2	14.0	Yes
47	Unclassified	29	1.7 - 280.0	3.1	14.0	*N/A
48	Unclassified	31	1.7 - 17.0	2.0	4.0	Yes
39	Prohibited	31	1.7 - 11.0	2.1	3.0	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.

\* N/A - SRS criteria require a minimum of 30 samples from each station. \*

† All samples have been verified.

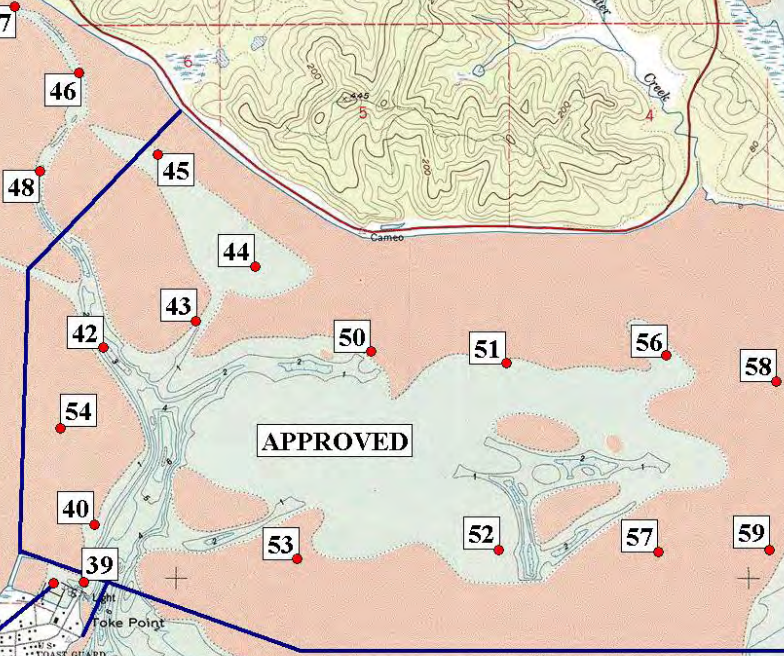
# CEDAR RIVER

SMITH-CREEK STATE WILDLIFE AREA

UNCLASSIFIED

APPROVED

PROHIBITED



W I L L A P A B A Y

