

Addendum to the 2009 East Straits Sanitary Survey Report

December 2017



WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF ENVIRONMENTAL HEALTH AND SAFETY
SHELLFISH PROGRAMS

Prepared by:

Trevor Swanson
Public Health Advisor

Summary

This sanitary survey addendum changes the classification of 27 acres of commercial shellfish harvest area within the East Straits Growing Area near Pillar Point Park from Conditionally Approved to Approved. The classification change is based on improved sanitary and shoreline conditions and improved marine water quality at Station 140.

Description of Growing Area

Pillar Point County Park is located on the shoreline in western Clallam County near the Pysht River. The park has easy drive-in access, a high tide boat launch, and vault toilets. In 2012, a portion of the East Straits growing area around Pillar Point County Park failed to meet marine water quality standards and was reclassified from Approved to Conditionally Approved (Map 1, page 3). The Conditionally Approved portion of the growing area was closed to commercial shellfish harvest during September and October each year, when water quality was at its poorest. As shown in Table 1, Station 140 now meets water quality standards with an estimated 90th percentile of 15.1 FC/100mL. This area is currently in Inactive status due to no commercial shellfish harvest; however, an evaluation of the growing area classification was needed because of the recreational shellfish beach at Pillar Point Park.

Pollution Source Survey

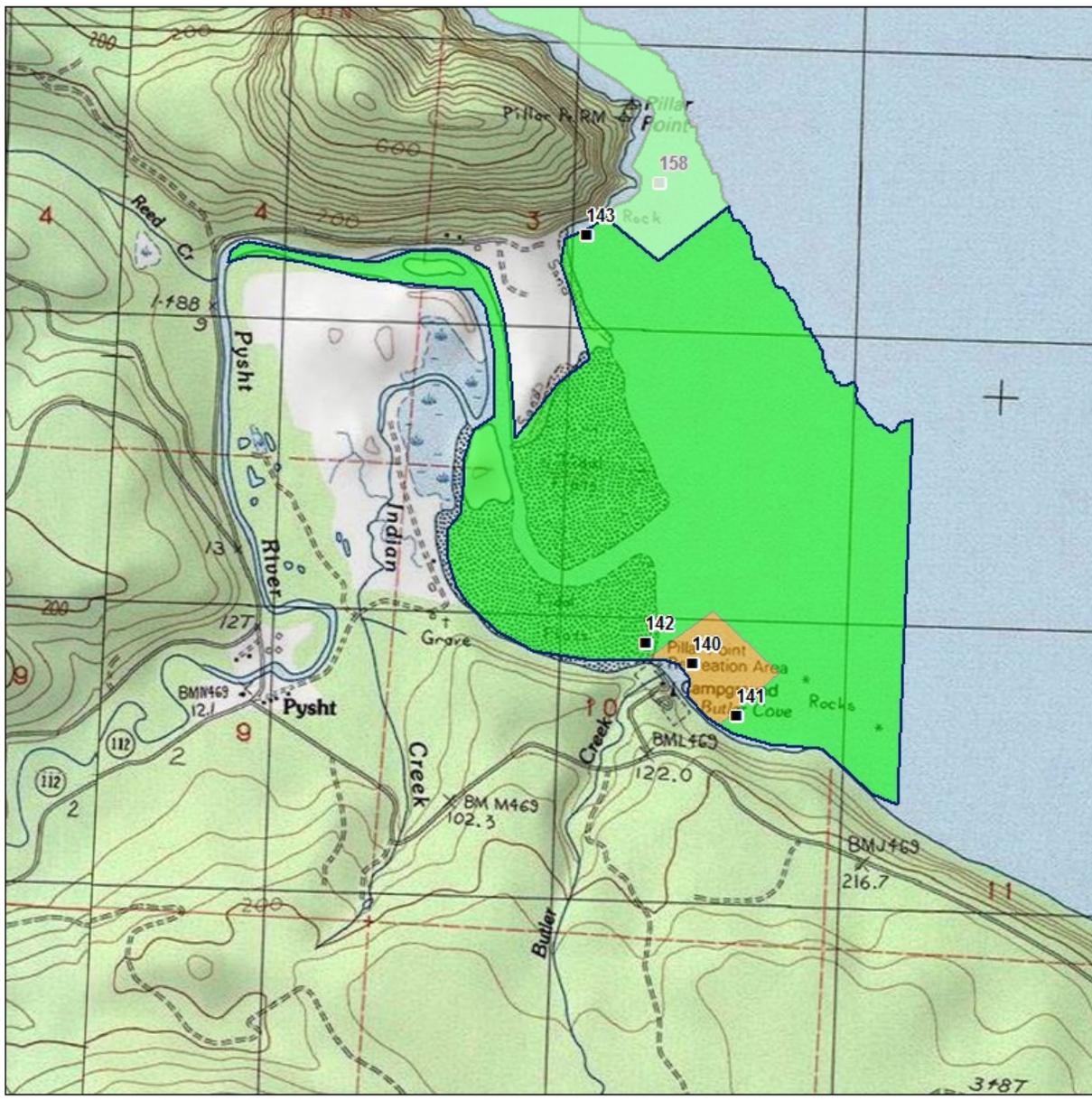
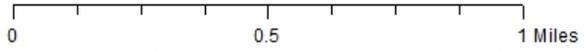
In 2015-16, the Clallam County Health Department implemented a Pollution Identification and Correction plan in the Pillar Point area, resulting in increased sampling at stations 140, 141, and 142. They also collected fecal coliform samples from Butler Creek, which discharges to the Conditionally Approved area. Low fecal coliform levels were found in Butler Creek. In addition, no agriculture or on-site septic systems were found in its watershed. A Sani-can was provided by the county in September and October in 2015-16 during the closed period. However, during 2016 human waste and toilet paper was observed behind an old building near the beach.

In March 2016, the Clallam County Health and Parks Departments and Washington State Department of Health (Department) identified a list of actions to be completed to address the sanitary problems at the park.

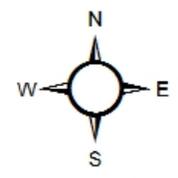
1. The Department, Clallam County Health, and local volunteers will monitor and record the sanitary conditions at Pillar Point Park twice a month during the winter (low use) season and weekly during spring/summer (high use) season.
2. Clallam County Parks will install fencing around an old building near the beach to help deter its use as a toilet.
3. Clallam County Parks/Health Department will install a sign on the old building directing visitors to the location of the vault toilets.
4. The Department, with assistance from the Makah Tribe, will continue sampling stations 140, 141, and 142 six times a year.

All actions listed above were completed by August, 2017. Observations and sampling are ongoing. Subsequent observations from August 2017 through October 2017 showed that park visitors have not used the back of the old building as a toilet since fencing and signs were installed.

East Straits (Pillar Point)



Classification	Sampling Stations
■ Approved	■
■ Conditional	
■ Prohibited	
■ Restricted	
■ Unclassified	



* Some sampling stations are highlighted with grey box for ease of reading.

Map 1. A portion of the East Straits Growing Area near Pillar Point showing current classifications and marine stations.

Water Quality Studies

Table 1 summarizes the most recent 30 sample data at stations 140, 141, and 142. This summary shows that marine water quality has improved and these stations meet the NSSP water quality standard for an Approved classification. Appendix A on page 6 contains the last 30 individual sample results for Station 140.

Table 1: Pillar Point Marine Water Quality Summary (30 Samples).

Station Number	Classification	Date Range	Range (FC/100 mL)	GeoMean (FC/100 mL)	Est 90th (FC/100 mL)	Meets Standard
141	Approved	8/28/2014 - 9/6/2017	1.7 - 130.0	4.9	26.8	Y
142	Approved	7/9/2014 - 9/6/2017	1.7 - 130.0	4.9	28.5	Y
140	Conditionally Approved	7/9/2014 - 9/6/2017	1.7 - 46.0	3.6	15.1	Y

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms / 100 mL with an estimated 90th percentile not greater than 43 organisms / 100 mL. The above table shows bacteriological results in relation to program standard.

Conclusions

Based on improved marine water quality at Station 140 in the East Straits Growing Area and the lack of any recent Direct or Indirect Impacts to this portion of the growing area, 27 acres near Pillar Point Park will be upgraded from Conditionally Approved to Approved. Map 2, page 5 displays the East Straits Growing Area with the classification change.

The GPS coordinates for the new Approved area are as follows:

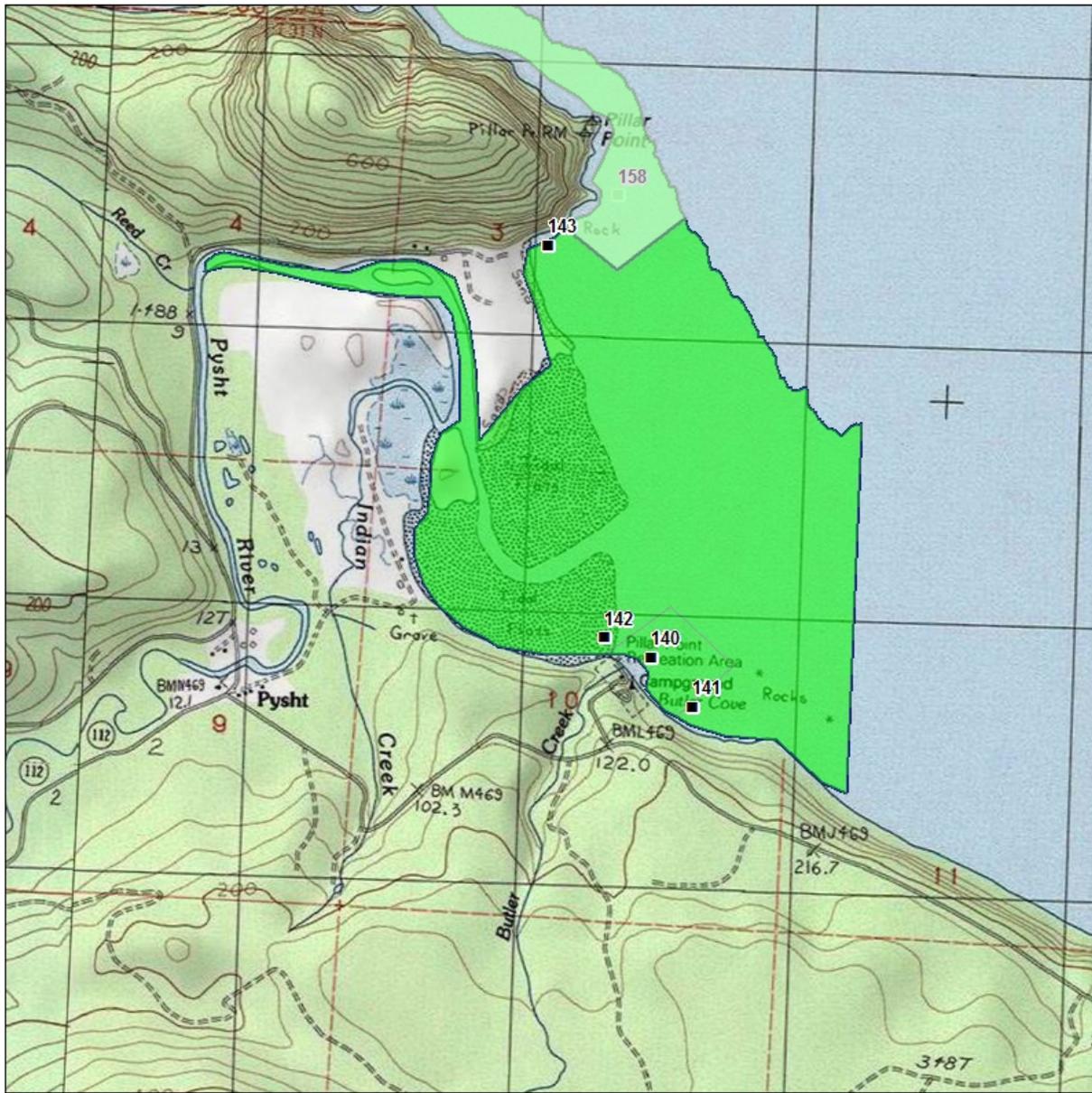
The Approved area is bounded by a line originating at 48.1993° N, 124.1009° W, then extending northeast to 48.2010° N, 124.0976° W, then southeast to 48.1992° N, 124.0945° W, and back to the shore at 48.1973° N 124.0973° W.

Remarks

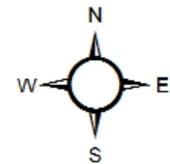
In order for this area to remain Approved, fencing and signs need to remain in place. Also, monthly (November through April) and twice monthly (May through October) sanitary observations will be necessary for the area to remain in Approved status.

East Straits (Pillar Point)

0 0.5 1 Miles



Classification	Sampling Stations
 Approved	
 Conditional	
 Prohibited	
 Restricted	
 Unclassified	



* Some sampling stations are highlighted with grey box for ease of reading.

Map 2. A portion of the East Straits Growing Area near Pillar Point showing classification change.

Appendix A. Most recent individual sample results of Station 140 in East Straits

Station: 140

**Classification: Conditionally
Approved**

Method: SRS

Total Samples: 30

Range (FC/100 mL): 1.7 - 46.0

GeoMean (FC/100 mL): 3.6

Date Range: 07/09/2014 - 09/06/2017

E90th (FC/100 mL): 15.1

Meets Standard: Y

Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
07/09/2014	Regulatory	11:37	Flood	15	30	2.0
08/28/2014	Regulatory	13:25	Flood	21	32	2.0
09/22/2014	Regulatory	12:43	Flood	13	32	17.0
10/21/2014	Regulatory	13:01	Flood	15	28	33.0
11/06/2014	Regulatory	10:25	Flood	13	8	4.5
12/10/2014	Regulatory	11:53	Flood	11	6	13.0
01/07/2015	Regulatory	11:24	Flood	8	17	2.0
02/11/2015	Regulatory	11:12	Ebb	10	8	1.7
03/11/2015	Regulatory	10:41	Ebb	10	15	1.7
04/08/2015	Regulatory	12:35	Flood	16	15	1.7
05/12/2015	Regulatory	10:35	Ebb	13	29	1.7
06/29/2015	Regulatory	12:45	Flood	14	31	1.8
08/26/2015	Regulatory	10:00	Flood	14	31	4.5
09/14/2015	Regulatory	13:33	Flood	12	30	1.7
10/21/2015	Regulatory	10:13	Flood	11	32	2.0
11/04/2015	Regulatory	11:25	Ebb	10	19	33.0
12/09/2015	Regulatory	10:00	Flood	9	18	23.0
01/13/2016	Regulatory	10:38	Ebb	6	6	46.0
02/10/2016	Regulatory	11:44	Flood	9	29	1.7
03/09/2016	Regulatory	10:08	Flood	9	20	1.8
04/20/2016	Regulatory	13:21	Flood	12	30	1.7
05/04/2016	Regulatory	10:08	Flood	11	31	1.7
06/01/2016	Regulatory	09:55	Flood	12	32	1.7
07/06/2016	Regulatory	13:58	Flood	14	32	1.7
11/01/2016	Regulatory	12:47	Flood	13	19	7.8
01/24/2017	Regulatory	14:20	Ebb	7	5	1.7
03/20/2017	Regulatory	10:38	Ebb	7	18	1.8
05/16/2017	Regulatory	13:04	Flood	16	16	13.0
06/06/2017	Regulatory	13:14	Flood	17	26	1.7
09/06/2017	Regulatory	13:22	Flood	16	32	1.7