

# Washington State Department of Health Office of Shellfish and Water Protection

## Annual Growing Area Review

**PREPARED BY:** Kelly Curtis  
**AREA:** Port Orchard Passage  
**YEAR ENDING:** December 31, 2011  
**CLASSIFICATION:** Approved, Prohibited, Unclassified

### Activities In The Growing Area in 2011

Samples were collected from each station in the growing area 6 times during the year using the Systematic Random Sampling method. Station 782 was added at the NW corner of the growing area (between Liberty Bay and Port Orchard Passage), and the NW corner of the sanitary line was moved approximately 400 feet westward in response to a harvest site request. Two failing on-site systems in the Illahee area were identified resulting in the closure of 6 nearby parcels. DOH and DOE staff made a site visit to the Central Kitsap WWTP. Upgrades to the system are in process to expand capacity by 2017. A station should be added at the southeastern sanitary line boundary (Point White).

### 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. The estimated 90<sup>th</sup> percentile for Station 457 (northwestern edge of Fletcher Bay) has been increasing for the last 3 Annual Reports. It has risen from 6 to 25, and is now in the Concerned status.

### Change In Actual Pollution Sources That Impact The Growing Area

We have no information regarding changes in pollution sources in the Port Orchard Passage growing area.

### 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

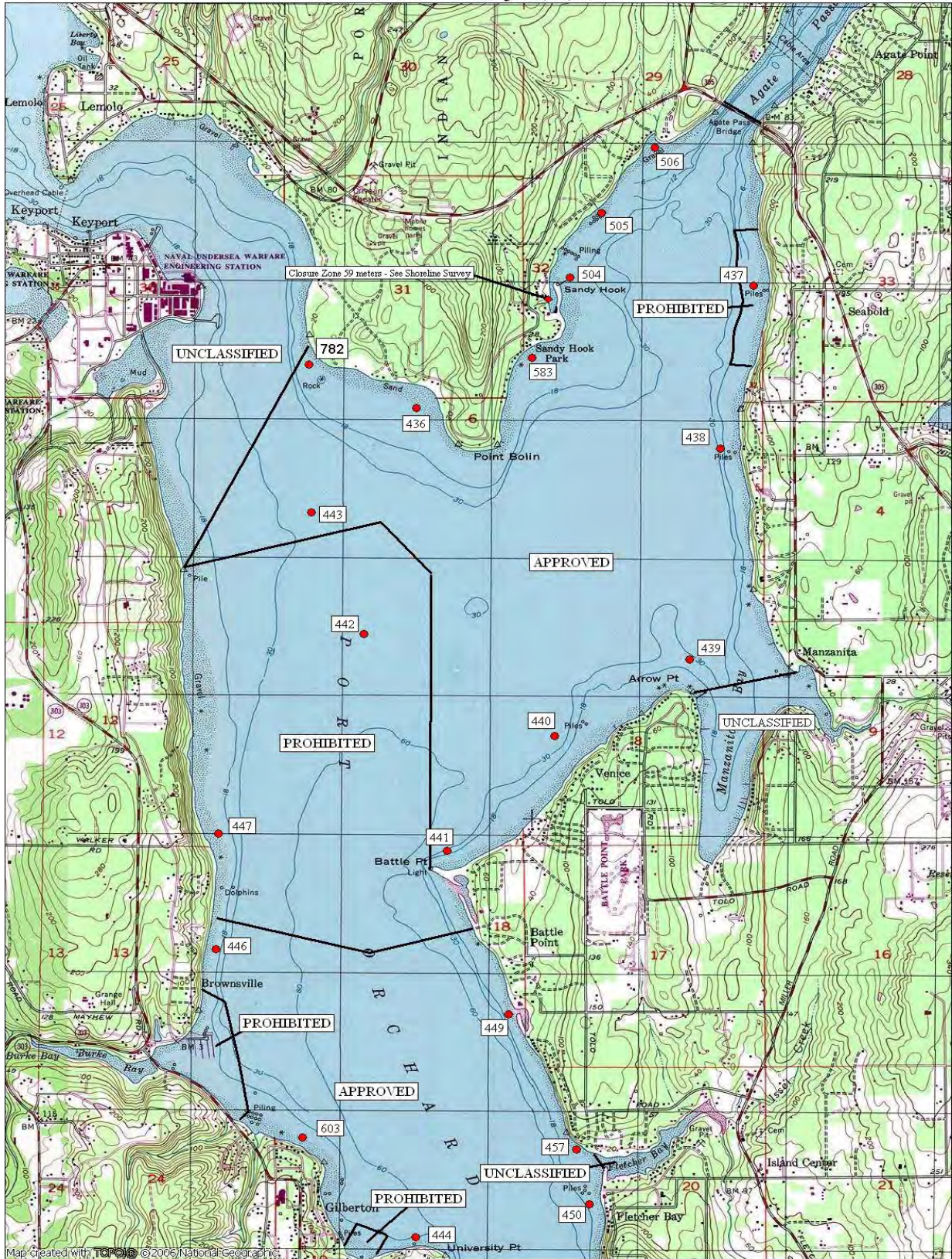
### Remarks and Recommendations

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

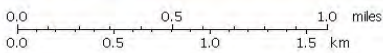
**TABLE 1****SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **PORT ORCHARD PASSAGE**Classification: **Approved, Prohibited, Unclassified**From **05/16/2006** To **12/31/2011****FECAL COLIFORM ORGANISMS/100 ML**

<b>Station Number</b>	<b>Classification</b>	<b>Number of Samples</b>	<b>Range</b>	<b>Geometric Mean</b>	<b>Est. 90th Percentile</b>	<b>Meets Std.</b>
436	Approved	32	1.7 - 45.0	2.1	4.0	Yes
438	Approved	32	1.7 - 33.0	2.6	7.0	Yes
439	Approved	32	1.7 - 4.5	1.8	2.0	Yes
440	Approved	32	1.7 - 4.5	2.0	3.0	Yes
441	Approved	32	1.7 - 49.0	1.9	4.0	Yes
443	Approved	32	1.7 - 17.0	1.9	3.0	Yes
444	Approved	31	1.7 - 4.5	1.9	2.0	Yes
445	Approved	30	1.7 - 11.0	2.3	4.0	Yes
446	Approved	32	1.7 - 13.0	2.3	5.0	Yes
448	Approved	30	1.7 - 4.5	1.8	2.0	Yes
449	Approved	31	1.7 - 70.0	2.8	10.0	Yes
450	Approved	31	1.7 - 14.0	2.2	4.0	Yes
452	Approved	31	1.7 - 7.8	2.0	3.0	Yes
453	Approved	31	1.7 - 7.8	1.9	3.0	Yes
454	Approved	31	1.7 - 33.0	2.4	5.0	Yes
455	Approved	32	1.7 - 23.0	2.1	4.0	Yes
456	Approved	31	1.7 - 7.8	1.8	2.0	Yes
457	Approved	30	1.7 - 170.0	4.3	25.0	Yes
504	Approved	35	1.7 - 13.0	2.1	4.0	Yes
505	Approved	35	1.7 - 4.5	1.8	2.0	Yes
506	Approved	35	1.7 - 4.5	1.8	2.0	Yes
583	Approved	35	1.7 - 33.0	2.0	3.0	Yes
603	Approved	31	1.7 - 79.0	2.8	10.0	Yes
782	Approved	4	1.7 - 2.0	1.8	2.0	*N/A
437	Prohibited	32	1.7 - 23.0	2.0	3.0	Yes
442	Prohibited	31	1.7 - 79.0	1.9	4.0	Yes
447	Prohibited	31	1.7 - 13.0	2.4	5.0	Yes
451	Prohibited	31	1.7 - 33.0	2.2	5.0	Yes
753	Unclassified	17	1.7 - 7.8	2.2	4.0	*N/A
754	Unclassified	18	1.7 - 33.0	3.0	10.0	*N/A
755	Unclassified	18	1.7 - 6.8	2.2	3.0	*N/A

Port Orchard Passage 03/01/11

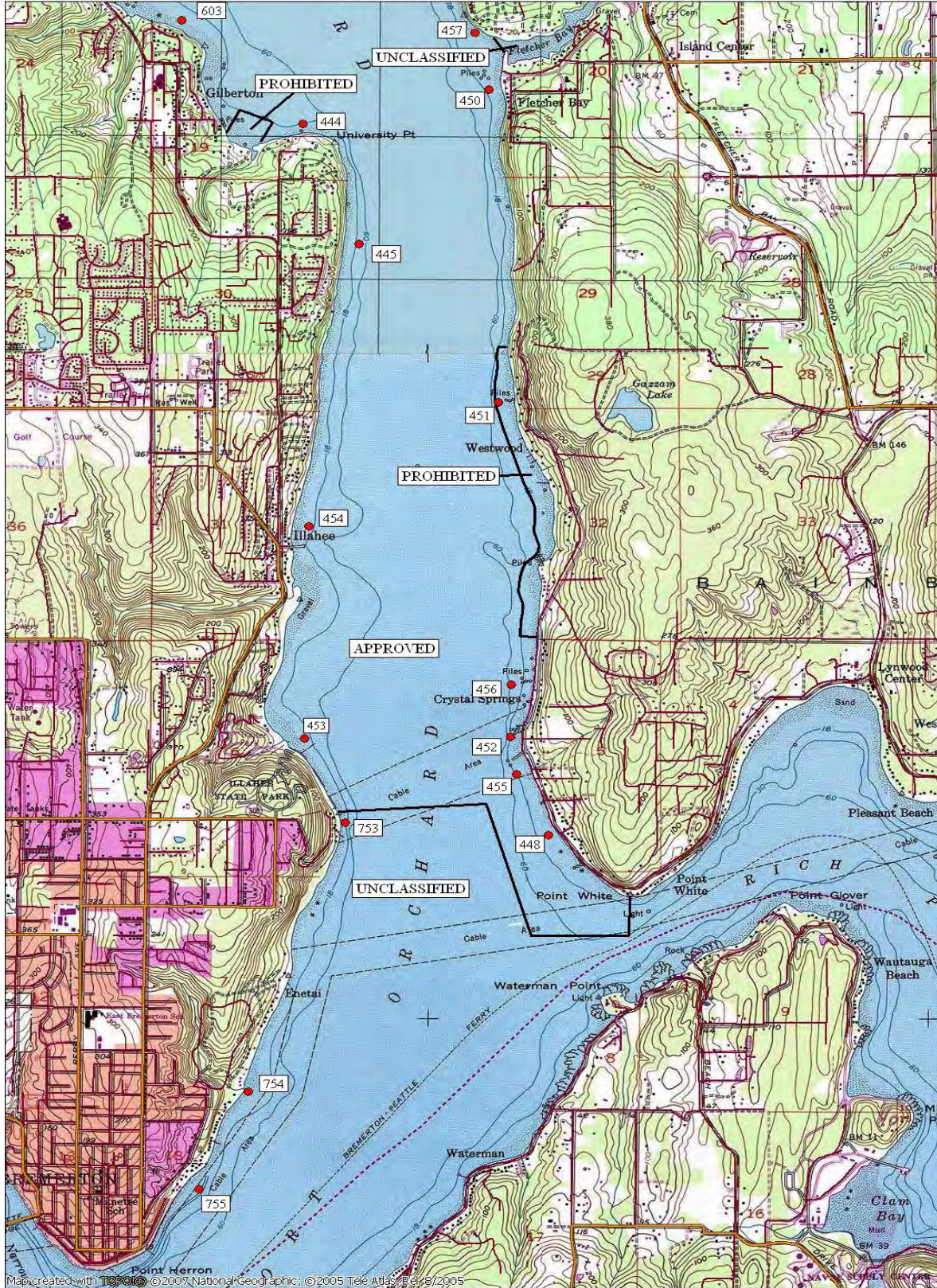


Map Created with TOPO © 2006 National Geographic

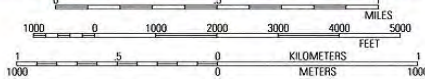


TN MN  
17 1/2

03/01/11



Map created with TopoGIS © 2007 National Geographic. © 2005 Tele Atlas 6/19/2005



TN 17°  
02/03/10