

Washington State Department of Health Office of Environmental Health and Safety

Annual Growing Area Review

PREPARED BY: Kelly Curtis
AREA: Mackaye Harbor
YEAR ENDING: December 31, 2015
CLASSIFICATION: Approved, Unclassified

Activities In The Growing Area in 2015

Mackaye Harbor was sampled six times using the Systematic Random Sampling method. A Sanitary Survey was completed in 2015. San Juan County received National Estuary Program funds to complete pollution identification and correction work to install agricultural BMP's, and to enhance their septic operations and maintenance program throughout the county.

Analytical Results Of Water Samples

Table 1 summarizes 30 of the most recent samples collected from each of the sampling stations. All stations pass the NSSP water quality standard. Stations 97-99 have 11 samples to date.

Change In Actual Pollution Sources That Impact The Growing Area

We currently have no information indicating that the growing 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 and Recommendations

The following table shows that all stations in the Mackaye Harbor growing area meet NSSP water quality standards for an Approved classification and the area is correctly classified.

TABLE 1**Summary of Marine Water Data (SRS)
Growing Area: Mackaye Harbor**Sampling Event Type: Regulatory
Maximum Number of Samples: 30

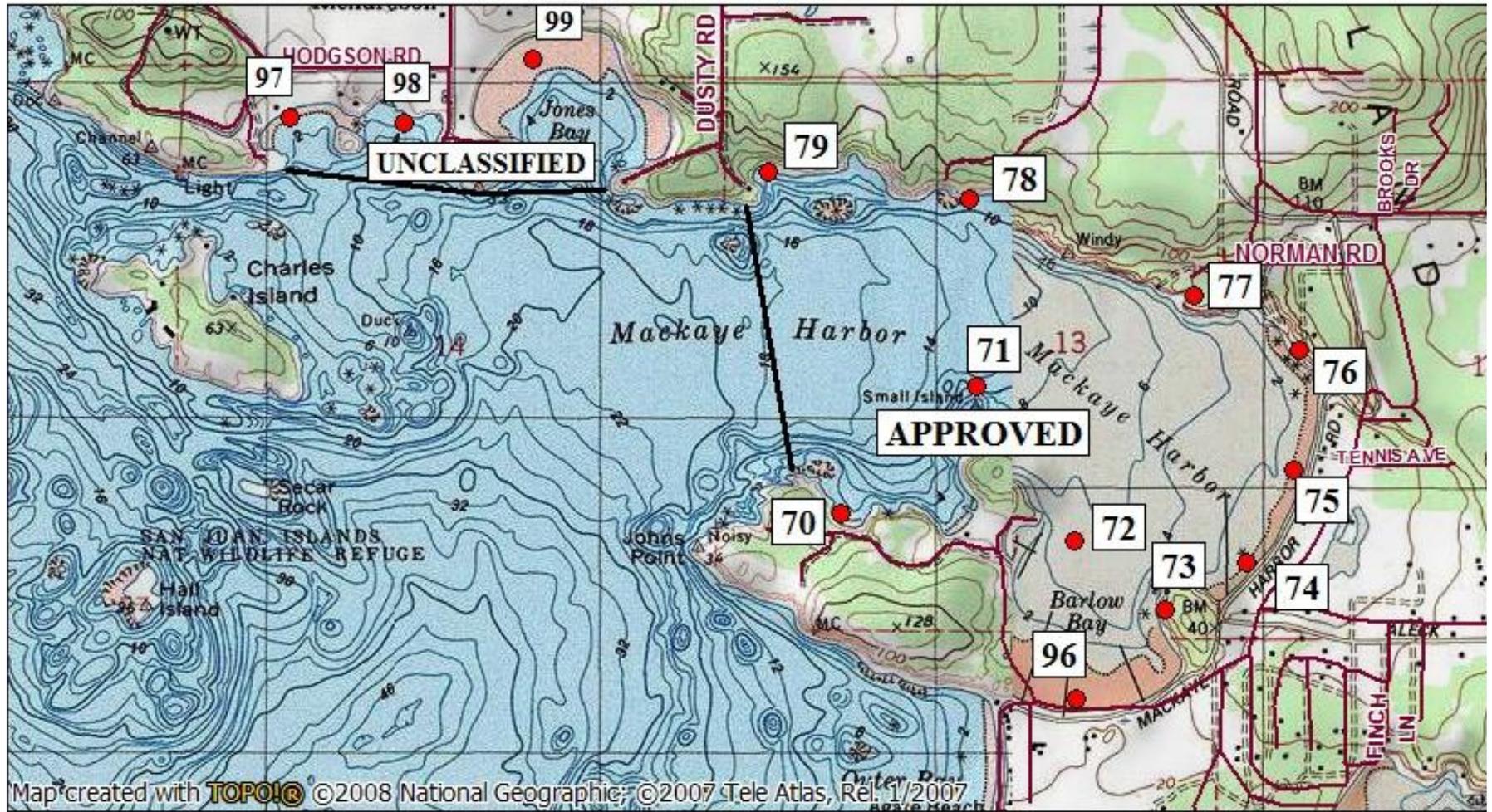
Tides Included: ALL

Station Number	Classification	Date Range	Range (FC/100 mL)	GeoMean (FC/100 mL)	E90th (FC/100 mL)	Meets Standard
70	Approved	2/16/2011 - 11/5/2015	1.7 - 4.5	1.9	2.6	Y
71	Approved	12/8/2010 - 11/5/2015	1.7 - 4.5	1.8	2.3	Y
72	Approved	2/16/2011 - 11/5/2015	1.7 - 17.0	2.0	3.9	Y
73	Approved	2/16/2011 - 11/5/2015	1.7 - 23.0	2.0	4.7	Y
74	Approved	2/16/2011 - 11/5/2015	1.7 - 7.8	1.9	2.9	Y
75	Approved	2/16/2011 - 11/5/2015	1.7 - 17.0	2.1	3.9	Y
76	Approved	2/16/2011 - 11/5/2015	1.7 - 6.8	1.9	2.7	Y
77	Approved	2/16/2011 - 11/5/2015	1.7 - 13.0	2.1	4.0	Y
78	Approved	2/16/2011 - 11/5/2015	1.7 - 7.8	1.8	2.6	Y
79	Approved	2/16/2011 - 11/5/2015	1.7 - 6.8	2.0	3.2	Y
96	Approved	11/28/2012 - 11/5/2015	1.7 - 17.0	2.2	5.0	*N/A
97	Unclassified	10/14/2014 - 12/2/2015	1.7 - 79.0	3.5	15.3	*N/A
98	Unclassified	10/14/2014 - 12/2/2015	1.7 - 23.0	2.6	7.3	*N/A
99	Unclassified	10/14/2014 - 12/2/2015	1.7 - 49.0	3.5	13.3	*N/A

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 standards.

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

MACKAYE HARBOR



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