East Passage

Annual Shellfish Growing Area Review

Prepared By: Michael Ulrich

Area: East Passage

Year Ending: December 31, 2024

Classification: Approved, Prohibited

Activities in the Growing Area in 2024

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A routine three-year shoreline evaluation was completed and no new or changes in pollution sources were identified. A reliability evaluation of the Vashon Island WWTP was completed. No changes to the classification were needed. A comprehensive evaluation report is in the central growing area file.

Sampling at Marine Station 380 was stopped due to its location, marine water quality, and the relationship with neighboring stations.

Analytical Results of Water Samples

Table 1 summarizes the results of the last 30 samples collected from the area. This summary shows that all stations 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 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 standard for an Approved classification and the area is correctly classified.

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TABLE 1. Summary of Marine Water Data (SRS) for the East Passage Growing Area

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

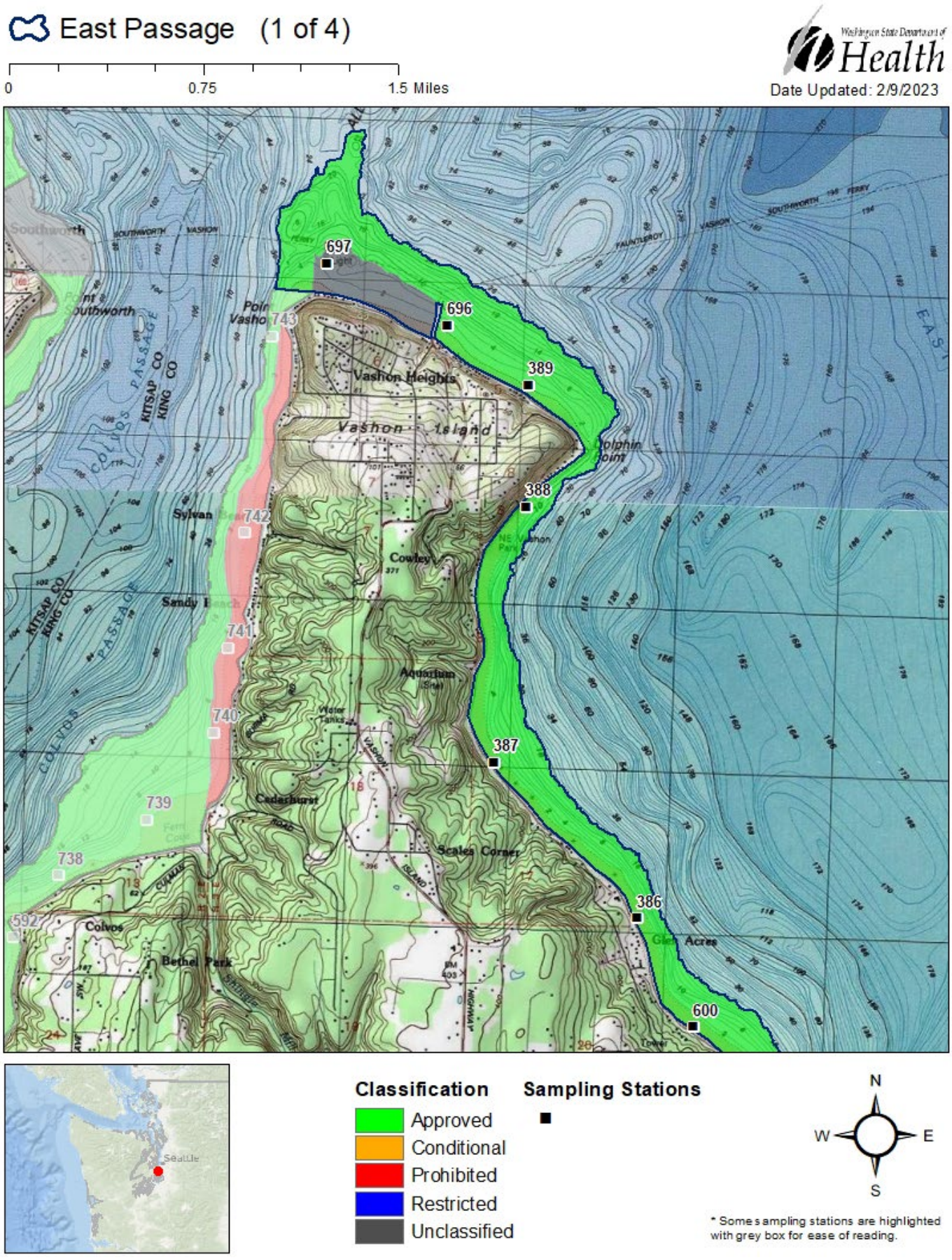
Tides Included: All

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90th Percentile (FC/100mL)	Meets Standard
375	Approved	2/20/2020 - 12/12/2024	1.7 - 23.0	2.0	4.2	Y
376	Approved	2/20/2020 - 12/12/2024	1.7 - 5.6	1.9	2.7	Y
377	Approved	2/20/2020 - 12/12/2024	1.7 - 4.5	1.9	2.6	Y
378	Approved	2/20/2020 - 12/12/2024	1.7 - 4.0	1.8	2.2	Y
379	Approved	2/20/2020 - 12/12/2024	1.7 - 49.0	2.0	4.7	Y
381	Approved	2/20/2020 - 12/12/2024	1.7 - 23.0	2.2	4.5	Y
382	Approved	2/20/2020 - 12/12/2024	1.7 - 23.0	2.0	3.9	Y
383	Approved	2/20/2020 - 12/12/2024	1.7 - 13.0	2.0	3.8	Y
384	Approved	2/20/2020 - 12/12/2024	1.7 - 6.8	1.9	2.8	Y
385	Approved	2/20/2020 - 12/12/2024	1.7 - 11.0	2.0	3.6	Y
386	Approved	2/20/2020 - 12/12/2024	1.7 - 33.0	2.0	4.3	Y
387	Approved	2/20/2020 - 12/12/2024	1.7 - 7.8	1.8	2.6	Y
388	Approved	2/20/2020 - 12/12/2024	1.7 - 4.0	1.8	2.2	Y
389	Approved	2/20/2020 - 12/12/2024	1.7 - 11.0	2.0	3.5	Y
390	Approved	2/20/2020 - 12/12/2024	1.7 - 11.0	2.0	3.6	Y
391	Approved	2/20/2020 - 12/12/2024	1.7 - 23.0	2.0	3.9	Y
392	Approved	2/20/2020 - 12/12/2024	1.7 - 49.0	2.6	7.1	Y
393	Approved	2/20/2020 - 12/12/2024	1.7 - 79.0	2.5	7.0	Y
394	Approved	2/20/2020 - 12/12/2024	1.7 - 11.0	2.1	3.7	Y
395	Approved	2/20/2020 - 12/12/2024	1.7 - 79.0	2.7	8.9	Y
600	Approved	2/20/2020 - 12/12/2024	1.7 - 33.0	2.2	5.1	Y
647	Approved	4/16/2020 - 12/12/2024	1.7 - 23.0	2.6	7.4	Y

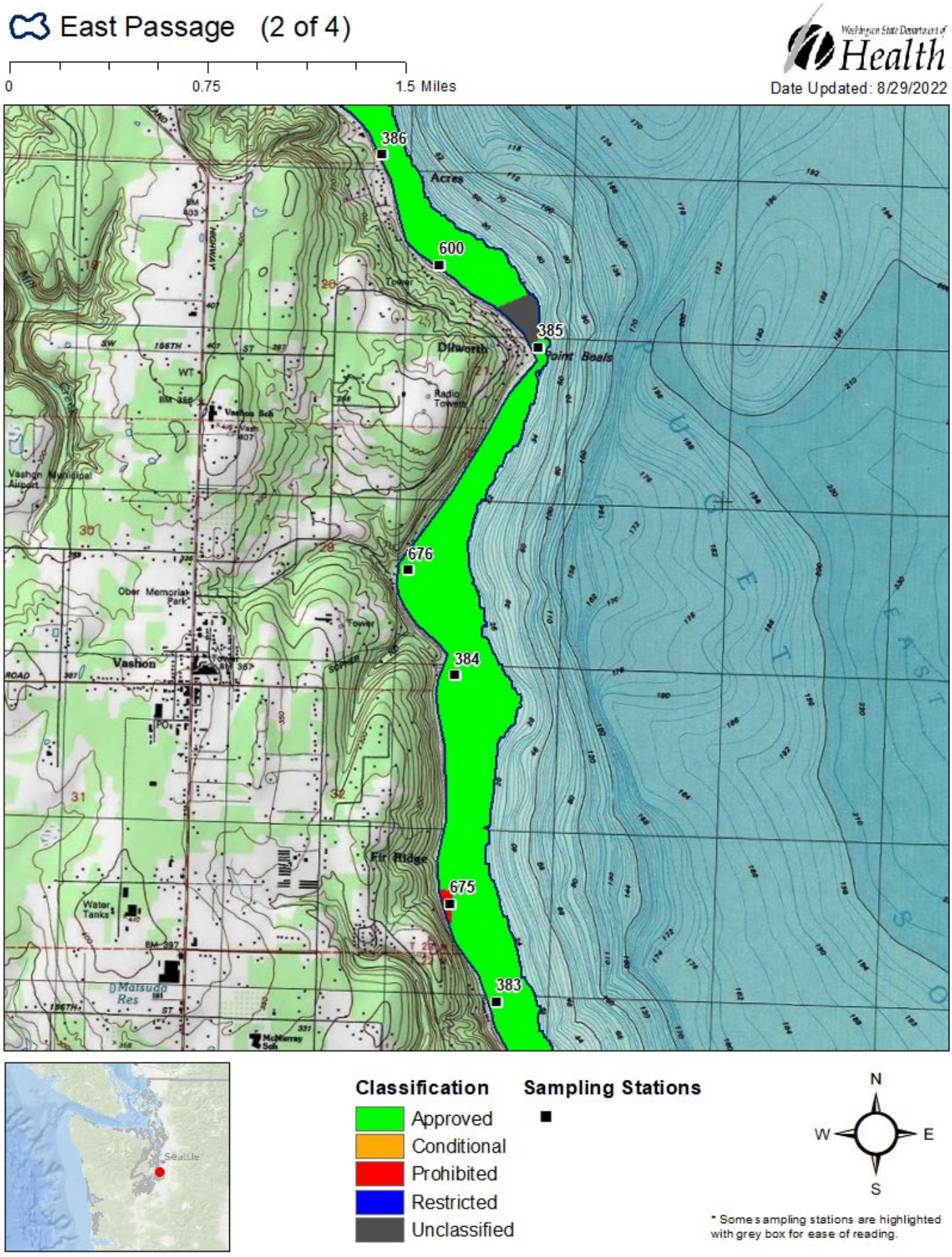
Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90th Percentile (FC/100mL)	Meets Standard
676	Approved	2/20/2020 - 12/12/2024	1.7 - 33.0	2.2	5.3	Y
696	Approved	2/20/2020 - 12/12/2024	1.7 - 17.0	2.1	4.4	Y
675	Prohibited	2/20/2020 - 12/12/2024	1.7 - 7.8	2.0	3.2	Y
697	Unclassified	11/14/2019 - 12/12/2024	1.7 - 7.8	2.0	3.3	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 standards.

MAP 1. East Passage Growing Area



Map of East Passage shellfish growing area (1 of 4)

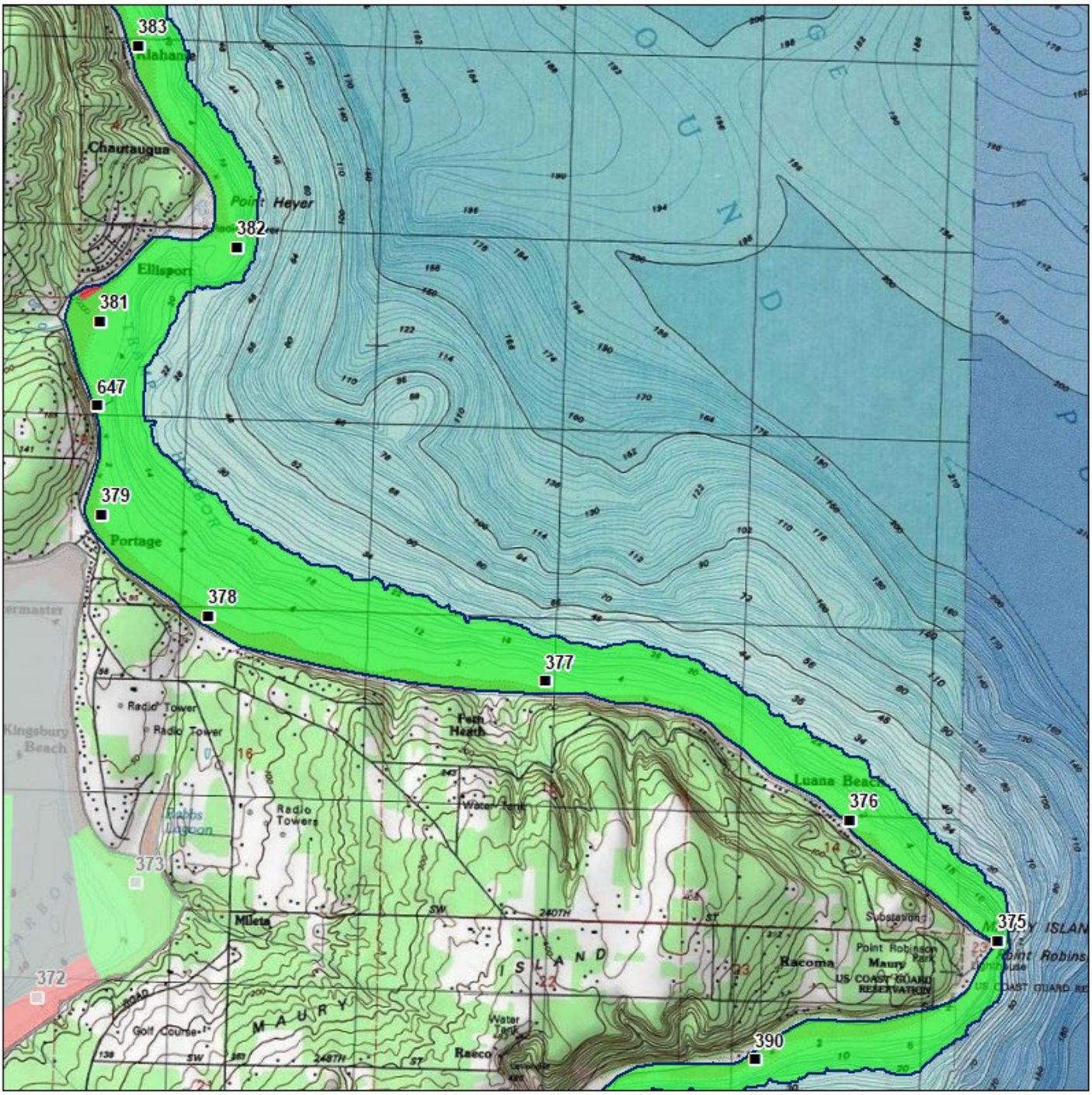


East Passage (3 of 4)

0 0.75 1.5 Miles

Washington State Department of Health

Date Updated: 5/16/2024



Classification

- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified

Sampling Stations

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N W E S

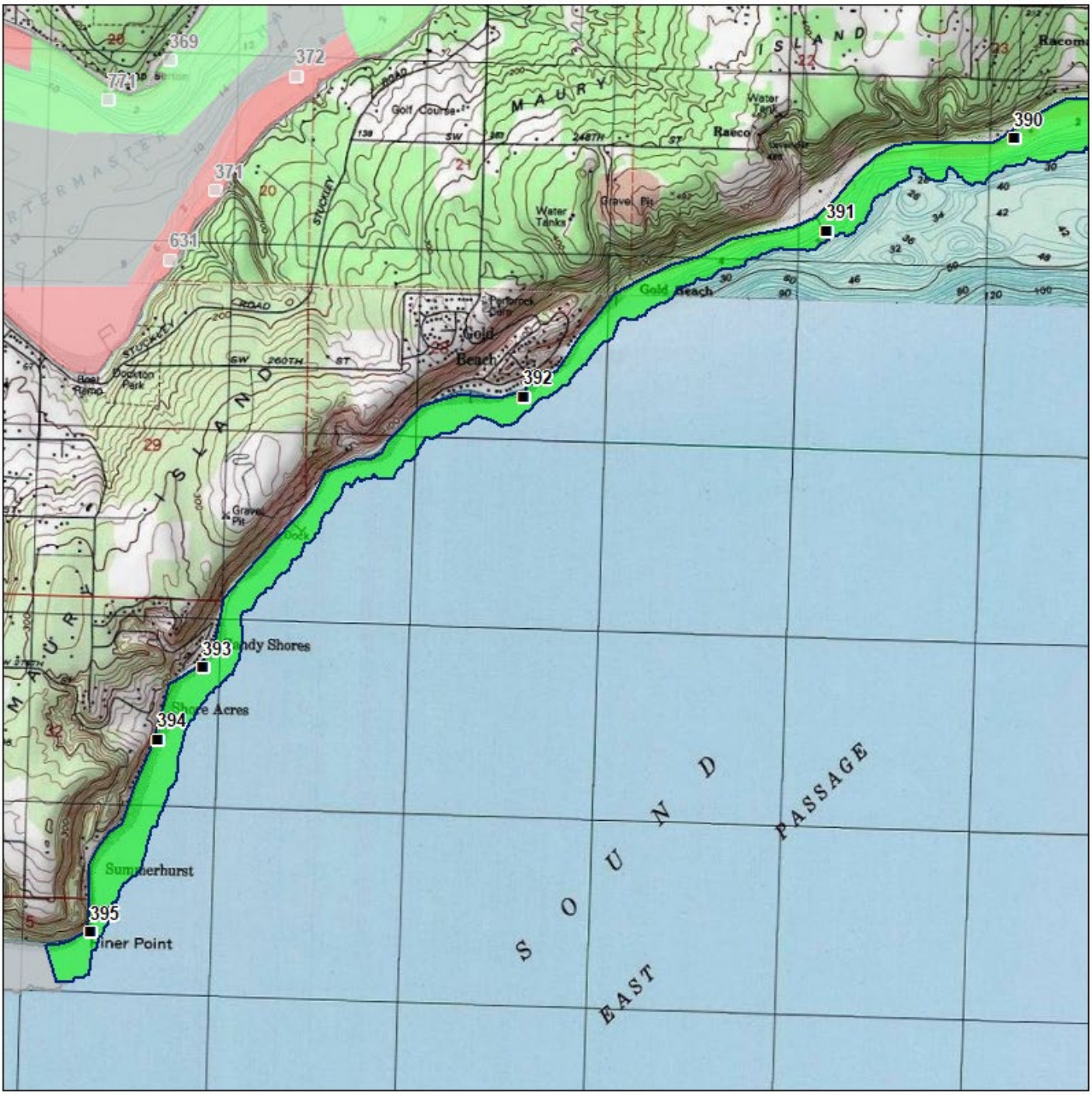
* Some sampling stations are highlighted with grey box for ease of reading.

East Passage (4 of 4)

0 0.75 1.5 Miles

Washington State Department of Health

Date Updated: 6/15/2021



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