

# Discovery Bay

## Annual Shellfish Growing Area Review



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Area: Discovery Bay

Year Ending: December 31, 2019

Classification: Approved, Prohibited

### Activities in the Growing Area in 2019

Samples were collected 12 times from Station 196 and six times from all other stations in accordance with National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. Only five samples from Station 67 were analyzed due to a broken bottle.

Jefferson County Environmental Health received EPA National Estuary Program funds for on-site septic system repair, replacement, and decommissioning/abatement in areas with potential to affect the growing area. The County implemented pollution identification and correction work and an enhanced septic system operation and maintenance program in the region.

### Analytical Results of Water Samples

Table 1 summarizes the results of the most recent 30 samples collected from each marine water station. 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 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 standard for an Approved classification and the area is correctly classified.

**TABLE 1. Summary of Marine Water Data (SRS) Discovery Bay Growing Area**

Sampling Event Type: Regulatory

Maximum Number of Samples: 30

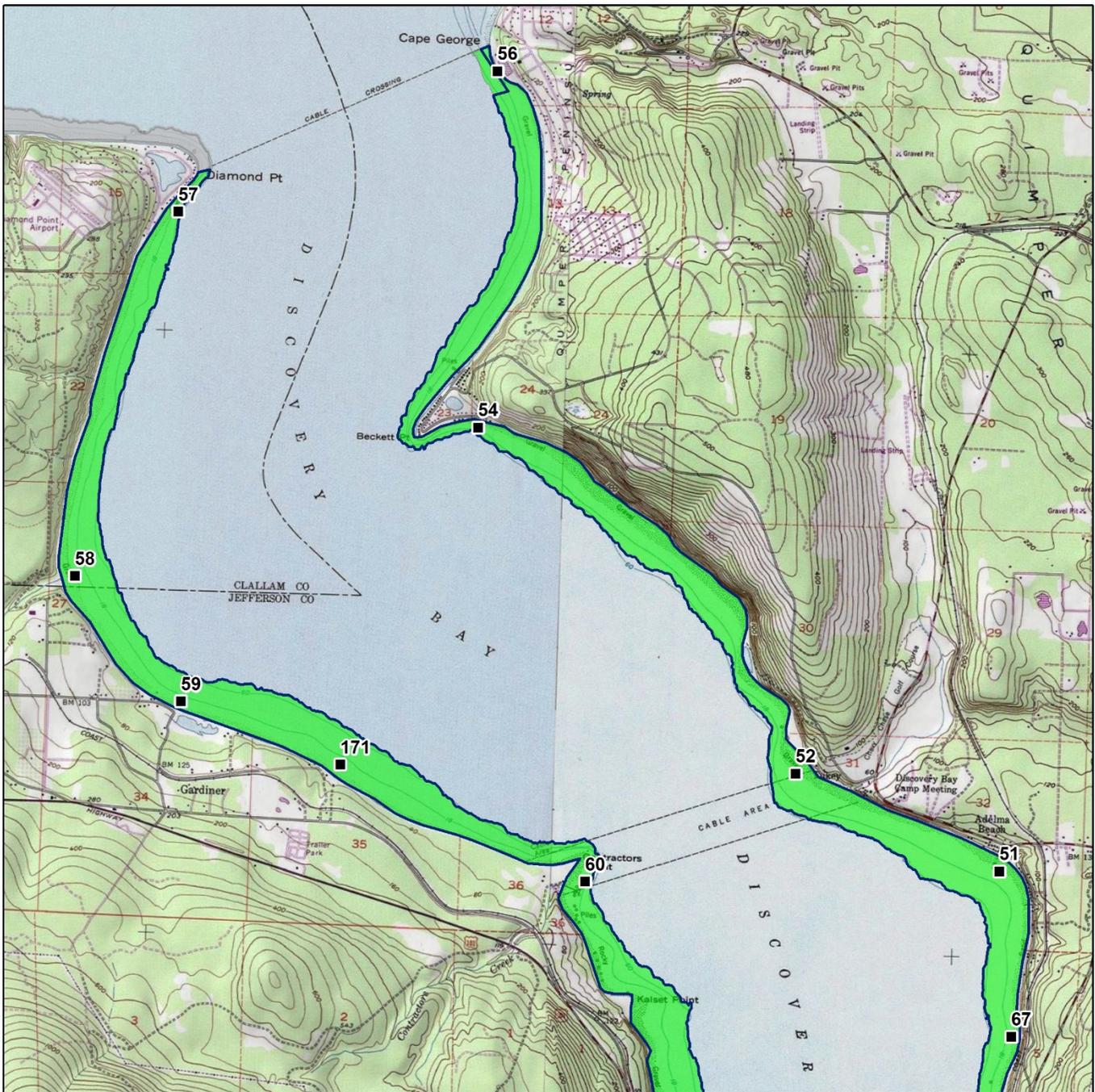
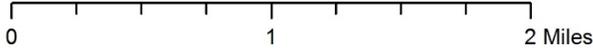
Tides Included: All

Station Number	Classification	Date Range	Range (FC/100mL)	Geomean (FC/100mL)	Est. 90 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
47	Approved	1/27/2015 - 11/18/2019	1.7 - 14.0	2.0	3.8	Y
48	Approved	1/27/2015 - 11/18/2019	1.7 - 13.0	2.3	5.0	Y
50	Approved	12/15/2014 - 11/18/2019	1.7 - 170.0	2.5	8.6	Y
51	Approved	1/27/2015 - 11/18/2019	1.7 - 23.0	1.9	3.5	Y
52	Approved	1/27/2015 - 11/18/2019	1.7 - 17.0	1.8	3.2	Y
54	Approved	1/27/2015 - 11/18/2019	1.7 - 2.0	1.7	1.8	Y
57	Approved	1/27/2015 - 11/18/2019	1.7 - 2.0	1.7	1.8	Y
58	Approved	1/27/2015 - 11/18/2019	1.7 - 7.8	1.9	2.9	Y
59	Approved	1/27/2015 - 11/18/2019	1.7 - 33.0	2.3	6.6	Y
60	Approved	3/16/2015 - 11/18/2019	1.7 - 17.0	1.9	3.3	Y
61	Approved	12/15/2014 - 11/18/2019	1.7 - 23.0	1.9	3.6	Y
62	Approved	1/27/2015 - 11/18/2019	1.7 - 350.0	3.0	14.0	Y
66	Approved	1/27/2015 - 11/18/2019	1.7 - 110.0	3.0	11.6	Y
67	Approved	12/15/2014 - 11/18/2019	1.7 - 240.0	2.0	6.4	Y
171	Approved	1/27/2015 - 11/18/2019	1.7 - 11.0	1.8	2.9	Y
189	Approved	1/27/2015 - 11/18/2019	1.7 - 17.0	2.3	5.3	Y
192	Approved	1/27/2015 - 11/18/2019	1.7 - 240.0	2.5	10.6	Y
56	Prohibited	1/27/2015 - 11/18/2019	1.7 - 31.0	2.1	4.9	Y
196	Unclassified	8/9/2017 - 12/4/2019	1.7 - 110.0	3.4	13.3	Y

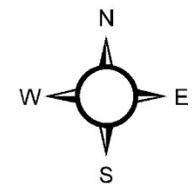
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/ 100 mL with an estimated 90th percentile not greater than 43 organisms/ 100 mL. The above table shows bacteriological results in relation to program standards.

MAP 1. Discovery Bay Growing Area 1 of 2

Discovery Bay (1 of 2)



Classification	Sampling Stations
Approved	■
Conditional	
Prohibited	
Restricted	
Unclassified	



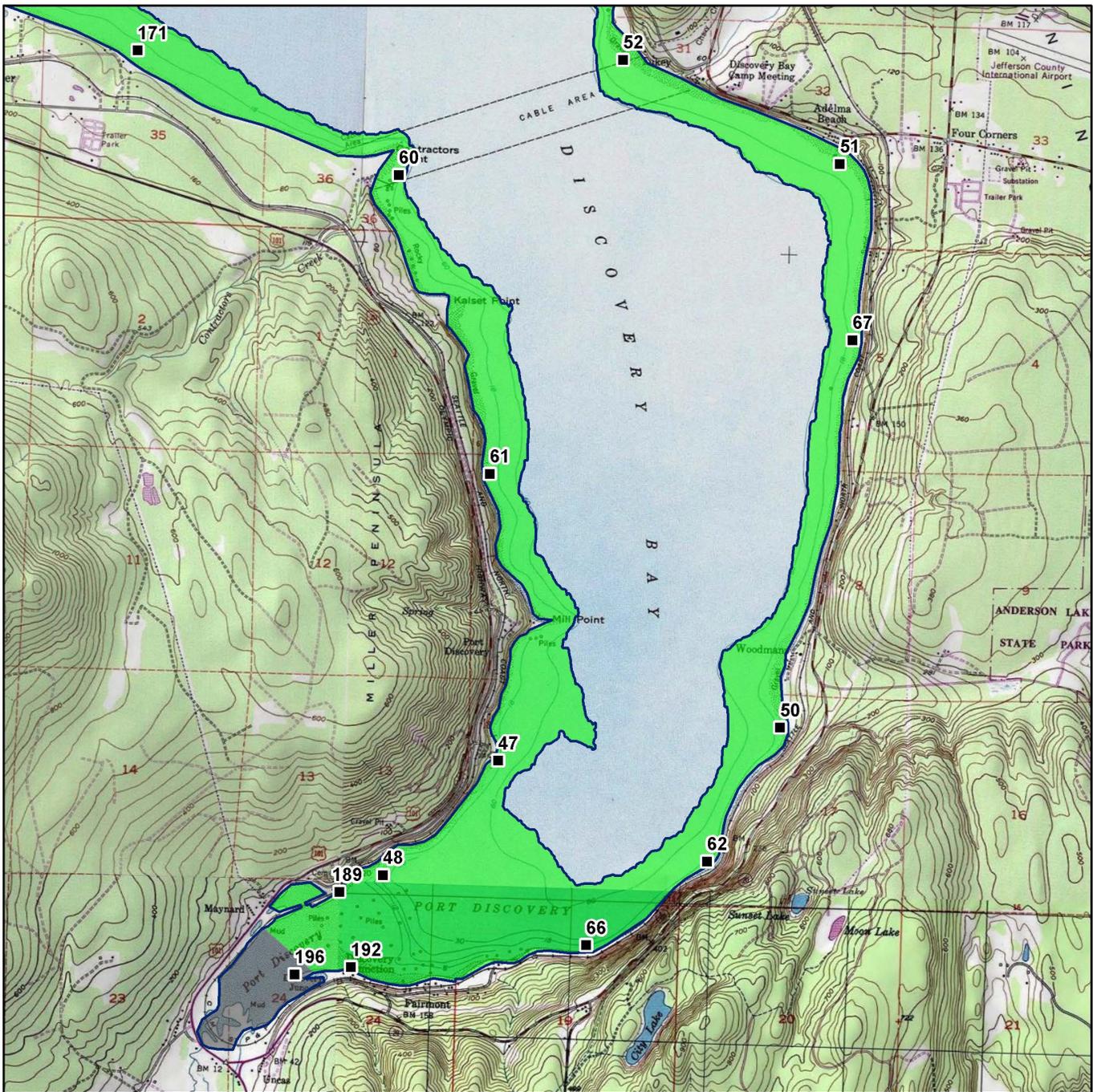
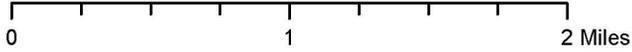
\* Some sampling stations are highlighted with grey box for ease of reading.

MAP 2. Discovery Bay Growing Area 2 of 2

Discovery Bay (2 of 2)

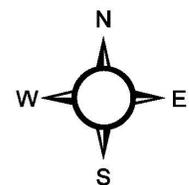


Date Updated: 7/11/2018



- Classification**
- Approved
  - Conditional
  - Prohibited
  - Restricted
  - Unclassified

**Sampling Stations**



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