

Bay Center

Annual Shellfish Growing Area Review



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Area: Bay Center

Year Ending: December 31, 2021

Classification: Approved, Prohibited

Activities in the Growing Area in 2021

The growing area was sampled a minimum of six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. A routine shoreline survey was conducted, and no Direct or Indirect Impacts were identified. No additional activities have been documented in the growing area.

Analytical Results of Water Samples

Table 1 summarizes results of the 30 most recent samples collected from the area. All stations in the Approved area meet NSSP water quality standard. Station 125 is categorized as Threatened with an estimated 90th percentile of 28.0 FC/mL. Station 124 is categorized as Concerned with an estimated 90th percentiles of 24.8 FC/mL. Table 2 includes the individual sample results for Station 125.

Change in Actual Pollution Sources that Impact the Growing Area

We currently have no information indicating 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) for the Bay Center Growing Area

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
112	Approved	1/26/2017 - 11/1/2021	1.7 - 33.0	3.8	13.8	Y
113	Approved	1/26/2017 - 11/1/2021	1.7 - 79.0	3.7	15.0	Y
114	Approved	1/26/2017 - 11/1/2021	1.7 - 33.0	2.3	5.3	Y
116	Approved	1/26/2017 - 11/1/2021	1.7 - 49.0	4.1	13.7	Y
117	Approved	1/26/2017 - 11/1/2021	1.7 - 49.0	3.2	9.7	Y
118	Approved	1/26/2017 - 11/1/2021	1.7 - 79.0	2.5	7.1	Y
119	Approved	1/26/2017 - 11/1/2021	1.7 - 33.0	2.3	5.0	Y
120	Approved	10/24/2016 - 11/1/2021	1.7 - 23.0	2.6	6.7	Y
123	Approved	1/26/2017 - 11/1/2021	1.7 - 79.0	3.5	11.7	Y
124	Approved	1/26/2017 - 11/1/2021	1.7 - 49.0	5.3	24.8	Y
125	Approved	1/26/2017 - 11/1/2021	1.7 - 110.0	6.5	28.0	Y
126	Approved	1/26/2017 - 11/1/2021	1.7 - 70.0	2.6	8.0	Y
127	Approved	1/26/2017 - 11/1/2021	1.7 - 33.0	3.8	13.4	Y
128	Approved	1/26/2017 - 11/1/2021	1.7 - 79.0	2.7	8.3	Y
129	Approved	1/26/2017 - 11/1/2021	1.7 - 17.0	2.5	6.3	Y
130	Approved	1/26/2017 - 11/1/2021	1.7 - 17.0	2.4	5.8	Y
132	Approved	1/26/2017 - 11/1/2021	1.7 - 49.0	2.9	8.6	Y
134	Approved	1/26/2017 - 11/1/2021	1.7 - 49.0	4.4	16.5	Y
135	Approved	1/24/2017 - 11/1/2021	1.7 - 7.8	2.1	3.9	Y
137	Approved	1/26/2017 - 11/1/2021	1.7 - 79.0	5.3	19.9	Y
138	Approved	1/26/2017 - 11/1/2021	1.7 - 49.0	3.5	11.8	Y
190	Approved	10/24/2016 - 11/1/2021	1.7 - 7.8	2.0	3.1	Y
216	Approved	10/25/2016 - 11/2/2021	1.7 - 4.5	1.9	2.6	Y
110	Prohibited	1/26/2017 - 11/1/2021	1.7 - 130.0	9.9	51.5	N
111	Prohibited	1/26/2017 - 11/1/2021	1.7 - 240.0	5.6	27.1	Y
115	Prohibited	1/26/2017 - 11/1/2021	1.7 - 79.0	8.9	41.1	Y
208	Unclassified	1/26/2017 - 11/1/2021	1.7 - 130.0	12.3	55.8	N

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.

TABLE 3. Marine Water Quality Summary for the Threatened Station in Bay Center Growing Area

Station: 125

Classification: Approved

Method: SRS

Total Samples: 30 Range (FC/100 mL): 1.7 – 110.0 GeoMean (FC/100 mL): 6.5				Date Range: 01/26/2017 – 11/01/2021 E90th (FC/100 mL): 28.0 Meets Standard: Y		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
01/26/2017	Regulatory	10:57	Flood	7	20	1.7
03/27/2017	Regulatory	11:37	Flood	10	14	7.8
05/22/2017	Regulatory	11:26	Flood	19	16	4.5
08/08/2017	Regulatory	13:12	Flood	20	27	1.7
09/18/2017	Regulatory	11:18	Flood	17	30	23.0
11/14/2017	Regulatory	13:53	Ebb	10	22	33.0
02/12/2018	Regulatory	11:15	Ebb	8	12	4.5
04/11/2018	Regulatory	09:41	Flood	11	12	2.0
06/25/2018	Regulatory	11:35	Flood	20	22	2.0
08/20/2018	Regulatory	09:41	Flood	18	26	11.0
10/22/2018	Regulatory	11:35	Flood	13	25	2.0
12/03/2018	Regulatory	10:34	Ebb	8	16	17.0
01/07/2019	Regulatory	11:29	Flood	7	12	23.0
03/04/2019	Regulatory	11:29	Flood	7	20	1.7
05/28/2019	Regulatory	08:12	Flood	15	20	4.0
07/29/2019	Regulatory	11:32	Flood	21	24	110.0
09/09/2019	Regulatory	11:55	Flood	19	32	1.7
11/12/2019	Regulatory	11:17	Flood	11	24	4.5
02/24/2020	Regulatory	12:06	Flood	9	18	6.8
04/20/2020	Regulatory	11:25	Flood	14	25	2.0
06/15/2020	Regulatory	09:23	Flood	16	24	2.0
08/03/2020	Regulatory	12:14	Flood	21	28	17.0
10/26/2020	Regulatory	10:52	Flood	10	27	22.0
12/14/2020	Regulatory	11:12	Flood	9	25	4.5
03/09/2021	Regulatory	11:07	Ebb	8	20	1.7
05/24/2021	Regulatory	11:22	Flood	13	28	7.8
08/26/2021	Regulatory	15:34	Flood	19	29	7.8
09/20/2021	Regulatory	11:43	Flood	17	30	17.0
10/05/2021	Regulatory	13:13	Flood	14	30	11.0
11/01/2021	Regulatory	10:20	Flood	10	20	33.0

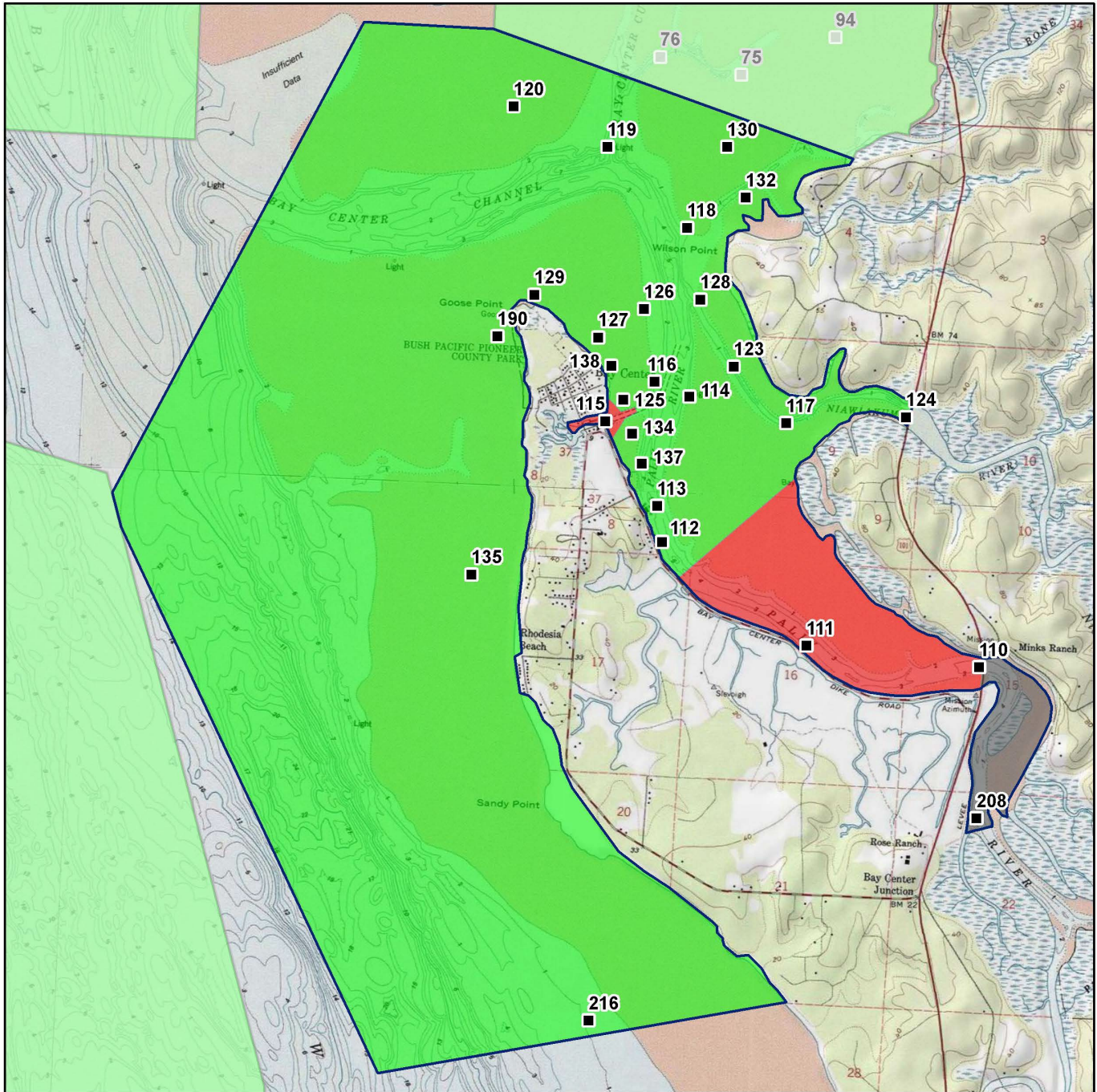
MAP 1. Bay Center Growing Area

Bay Center

0 1 2 Miles



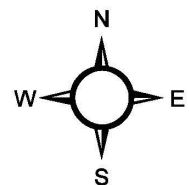
Date Updated: 7/11/2018



Classification

- Approved
- Conditional
- Prohibited
- Restricted
- Unclassified

Sampling Stations



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