

Mud Bay

Annual Shellfish Growing Area Review



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Area: Mud Bay

Year Ending: December 31, 2022

Classification: Approved

Activities in the Growing Area in 2022

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling (SRS) criteria. San Juan County Environmental Health completed a follow-up evaluation of a shoreline parcel with a report of three recreational vehicles (RVs) and a residential home using a single on-site sewage system (OSS). One RV and residence were located on the parcel, and the OSS was determined to have no impact on a nearby shoreline drainage and the growing area.

Analytical Results of Water Samples

Table 1 summarizes results of the 30 most recent samples collected from the area. All stations meet 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) for the Mud 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 th Percentile (FC/100mL)	Meets Standard
63	Approved	2/27/2018 - 12/13/2022	1.7 - 11.0	1.9	2.9	Y
64	Approved	2/27/2018 - 12/13/2022	1.7 - 6.8	1.9	3.0	Y
65	Approved	2/27/2018 - 12/13/2022	1.7 - 23.0	2.3	5.4	Y
66	Approved	2/27/2018 - 12/13/2022	1.7 - 17.0	2.0	4.0	Y
67	Approved	2/27/2018 - 12/13/2022	1.7 - 7.8	1.8	2.6	Y
68	Approved	2/27/2018 - 12/13/2022	1.7 - 7.8	1.9	3.0	Y
69	Unclassified	2/27/2018 - 12/13/2022	1.7 - 11.0	2.3	4.7	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. Mud Bay Growing Area

