

Miller Bay

Annual Shellfish Growing Area Review



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Area: Miller Bay

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 National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. No additional activities have been documented in the growing area.

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. Marine Water Station 845 is categorized as Threatened with an estimated 90th percentile of 31.1 FC/100 mL. Table 2 shows the results of the most recent 30 samples from this station. Marine Water Station 847 is categorized as Concerned with an estimated 90th percentile of 20.8 FC/100 mL.

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 Miller 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
842	Approved	5/18/2017 - 11/8/2021	1.7 - 26.0	4.2	12.7	Y
843	Approved	5/18/2017 - 11/8/2021	1.7 - 33.0	3.6	11.4	Y
844	Approved	5/18/2017 - 11/8/2021	1.7 - 23.0	3.9	12.0	Y
845	Approved	5/18/2017 - 11/8/2021	1.7 - 170.0	6.0	31.1	Y
846	Approved	5/18/2017 - 11/8/2021	1.7 - 33.0	3.3	10.0	Y
847	Approved	5/18/2017 - 11/8/2021	1.7 - 94.0	4.7	20.8	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.

TABLE 2. Marine Water Quality Summary for the Threatened Station in Miller Bay

Station: 845

Classification: Approved

Method: SRS

Total Samples: 30 Range (FC/100 mL): 1.7 - 170.0 GeoMean (FC/100 mL): 6.0				Date Range: 05/18/2017 - 11/08/2021 E90th (FC/100 mL): 31.1 Meets Standard: Y		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
05/18/2017	Regulatory	10:37	Flood	13	21	2.0
06/19/2017	Regulatory	12:17	Flood	14	27	2.0
07/17/2017	Regulatory	13:22	Ebb	17	28	1.7
08/15/2017	Regulatory	11:58	Flood	15	29	4.5
09/14/2017	Regulatory	13:05	Flood	13	31	1.7
11/27/2017	Regulatory	10:26	Flood	9	24	13.0
06/19/2018	Regulatory	10:50	Ebb	17	27	17.0
08/02/2018	Regulatory	10:49	Ebb	17	31	7.8
08/20/2018	Regulatory	13:58	Flood	15	29	1.7
10/17/2018	Regulatory	10:54	Flood	11	29	2.0
11/29/2018	Regulatory	11:25	Ebb	11	24	22.0
12/17/2018	Regulatory	11:14	Flood	9	28	17.0
01/07/2019	Regulatory	10:51	Ebb	6	25	11.0
03/04/2019	Regulatory	13:00	Flood	8	28	1.7
05/13/2019	Regulatory	12:32	Flood	13	28	6.8
07/09/2019	Regulatory	10:42	Flood	15	29	6.8
09/18/2019	Regulatory	09:36	Ebb	15	31	49.0
11/21/2019	Regulatory	10:06	Flood	11	29	1.7
02/10/2020	Regulatory	13:24	Flood	8	22	11.0
04/28/2020	Regulatory	07:56	Flood	11	28	4.5
06/04/2020	Regulatory	17:09	Flood	16	26	1.7
08/12/2020	Regulatory	15:09	Ebb	18	29	7.8
10/07/2020	Regulatory	12:41	Ebb	14	31	33.0
12/15/2020	Regulatory	09:45	Ebb	10	26	170.0
01/21/2021	Regulatory	09:46	Flood	8	24	4.5
03/08/2021	Regulatory	11:46	Flood	9	24	2.0
05/24/2021	Regulatory	16:31	Flood	13	26	1.7
07/15/2021	Regulatory	09:35	Ebb	18	29	4.5
09/01/2021	Regulatory	15:51	Flood	16	30	1.7
11/08/2021	Regulatory	08:57	Ebb	11	24	70.0

MAP 1. Miller Bay Growing Area

