

# Miller Bay

## Annual Shellfish Growing Area Review



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Area: Miller Bay

Year Ending: December 31, 2023

Classification: Approved, Prohibited

### Activities in the Growing Area in 2023

The growing area was sampled six times in accordance with the National Shellfish Sanitation Program (NSSP) Systematic Random Sampling criteria. A community on-site sewage system failure was identified as an Indirect Impact to the growing area during December. A temporary closure area was established including parcels 092602-4-002-2005, 092602-4-003-2004, 092602-4-033-2008, 092602-4-011-2004, and 092602-4-021-2002. 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. Station 845 is Threatened with an estimated 90<sup>th</sup> percentile of 28.9 FC/100mL. Table 2 shows Station 845 individual data.

### 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.

**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 <sup>th</sup> Percentile (FC/100mL)	Meets Standard
842	Approved	3/4/2019 - 11/7/2023	1.7 - 130.0	5.7	23.0	Y
843	Approved	1/7/2019 - 11/7/2023	1.7 - 110.0	3.4	12.0	Y
844	Approved	3/4/2019 - 11/7/2023	1.7 - 79.0	3.7	12.8	Y
845	Approved	5/13/2019 - 11/7/2023	1.7 - 170.0	5.1	28.9	Y
846	Approved	3/4/2019 - 11/7/2023	1.7 - 33.0	3.1	9.7	Y
847	Approved	3/4/2019 - 11/7/2023	1.7 - 94.0	5.2	22.4	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 Data Summary for the Threatened Station in Miller Bay.**

Station: 845

Classification: Approved

Method: SRS

<b>Total Samples: 30</b> <b>Range (FC/100 mL): 1.7 - 170.0</b> <b>GeoMean (FC/100 mL): 5.1</b>				<b>Date Range: 05/13/2019 - 11/07/2023</b> <b>E90th (FC/100 mL): 28.9</b> <b>Meets Standard: Y</b>		
Sample Date	Event Type	Time	Tide	SWT	Salinity	Fecal Coliform
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
02/22/2022	Regulatory	08:57	Flood	7	25	2.0
02/24/2022	Regulatory	08:57	Flood	7	25	2.0
04/14/2022	Regulatory	17:19	Ebb	10	27	1.7
06/27/2022	Regulatory	18:59	Flood	19	29	1.7
08/08/2022	Regulatory	16:13	Flood	20	28	1.7
08/08/2022	Regulatory	16:18	Flood	20	28	1.7
10/10/2022	Regulatory	17:25	Flood	14	31	1.8
12/05/2022	Regulatory	14:11	Flood	8	30	2.0
01/03/2023	Regulatory	13:19	Flood	8	26	2.0
03/15/2023	Regulatory	11:25	Ebb	8	19	4.0
05/04/2023	Regulatory	16:32	Flood	14	29	1.8
07/19/2023	Regulatory	08:14	Ebb	16	29	33.0
09/06/2023	Regulatory	11:00	Flood	15	30	4.5
11/07/2023	Regulatory	11:59	Flood	13	25	49.0

**MAP 1. Miller Bay Growing Area**

