

## Scots Bay Survey #2 Monday May 20, 2024

This survey will include 4 participating vessels.

Vessels will complete the following lines: The Lady Melissa and the Brunswick Provider will do two lines in the main box and two in the Eastern Box. The Morning Star will complete three lines within the main box. The Canada 100 will do one line in the main box line (south of Isle Haute) and then complete the Northern box.

The survey will have a start time of 20:00.

The Lady Melissa will conduct plankton tows and oceanographic sampling prior to the survey starting.

Vessels are reminded to complete their assigned transects as listed, straight, and without deviating.

**When running your transect, if you are recording a school of fish but are near the end of your line, please continue recording in a straight line even if it extends beyond the boundaries of the survey box.**

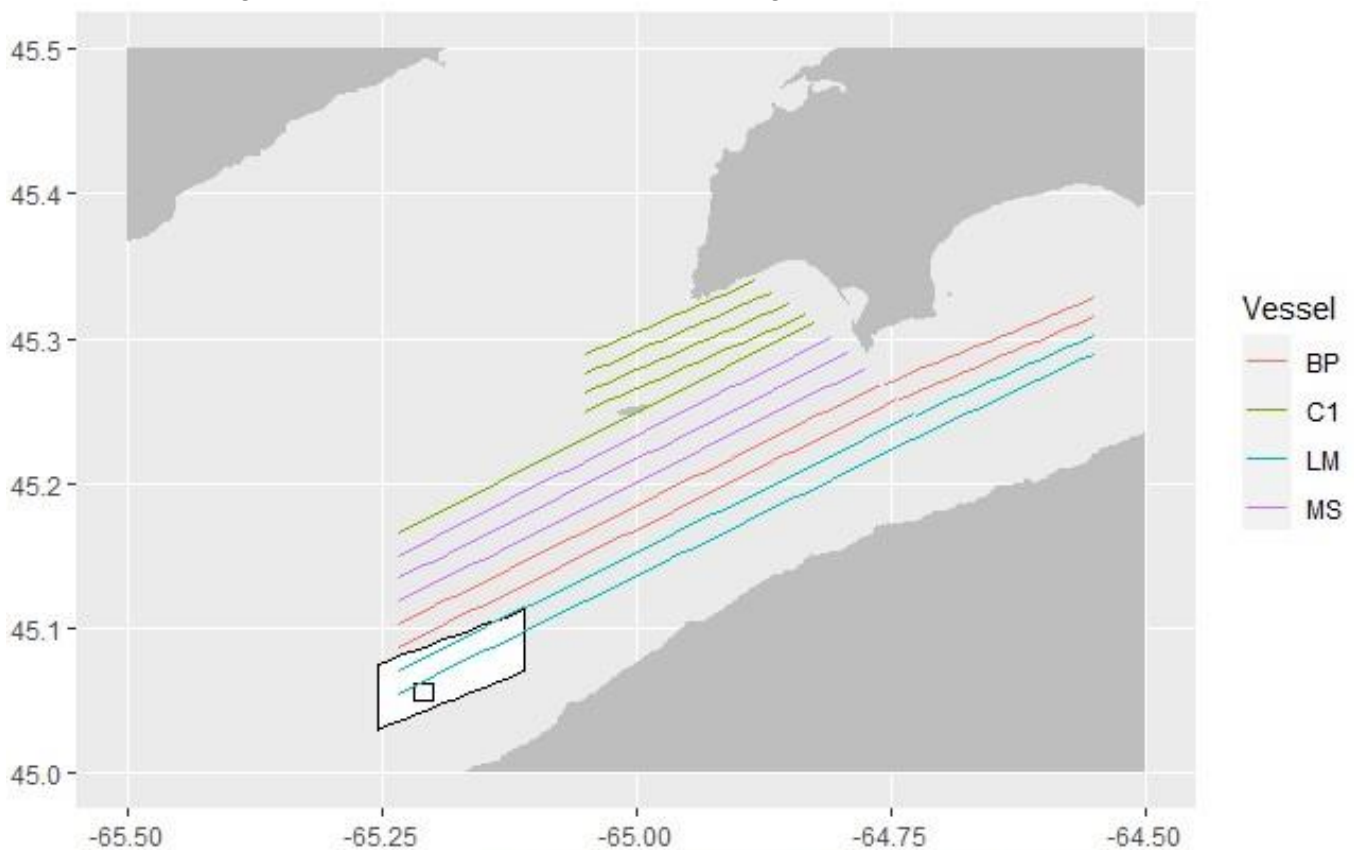


Figure 1. Survey lines to be completed by participating vessels.

The Lady Melissa will complete plankton tows (bottom left outer box) and CTD cast (bottom left inner box).

CTD Box		Tow Box	
Lat	Lon	Lat	Lon
4503.432	6513.048	4501.800	6515.300
4503.000	6513.048	4504.200	6506.600
4503.000	6512.000	4506.780	6506.600
4503.432	6512.000	4504.500	6515.300

Full Lines Table

Vessel	Line No.	Start Lat	Start Lon	End Lat	End Lon
Lady Melissa	LM	4503.299	6514	4514.221	6442.626
Lady Melissa	LM	4514.221	6442.626	4517.4	6433
Lady Melissa	LM	4518.167	6433	4514.854	6443.561
Lady Melissa	LM	4514.861	6443.608	4504.256	6514
Brunswick Provider	BP	4505.214	6514	4515.501	6444.59
Brunswick Provider	BP	4515.487	6444.495	4518.933	6433
Brunswick Provider	BP	4519.7	6433	4516.12	6445.43
Brunswick Provider	BP	4516.141	6445.572	4506.171	6514

Morning Star	MS	4507.128	6514	4516.78	6446.554
Morning Star	MS	4517.42	6447.536	4508.085	6514
Morning Star	MS	4509.043	6514	4518.06	6448.518
Canada 100	C1	4510	6514	4518.7	6449.5
Canada 100	C1	4519	6450	4515	6503
Canada 100	C1	4515.783	6503	4519.467	6451
Canada 100	C1	4519.933	6452	4516.567	6503
Canada 100	C1	4517.35	6503	4520.4	6453

## Instructions

1. Plan to arrive at the starting point 30 minutes before the start time of 20:00.
2. Start the EK80 software and load your 2024 Herring Survey settings. When you are ready to begin, Record Raw should be turned 'ON' and the 'REC' dot in the upper left should turn from black to red. Check that the lat and long in the top center of the screen is changing.
3. Commence surveying first line at 20:00 and maintain a speed at 8 knots.
4. Run your lines straight and double check that the recorder is turned on and red.
5. Maintain log sheets as a backup to recorders every 15 minutes.
6. Note the time when finished your last line.
7. This is a non-fishing survey.

Tidal Charts

2024-05-20 (Mon)

Time ADT	Height (m)	Height (ft)
04:18	2.3	7.7
10:26	8.4	27.6
16:31	2.4	8
22:39	8.8	28.7

2024-05-20	7.1	5.7	4.2	3	2.4	2.5	3.4	4.8	6.3	7.6	8.3	8.3	7.5	6.1	4.6	3.3	2.5	2.5	3.3	4.7	6.2	7.6	8.6	8.7
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