

Scots Bay Survey #1 Sunday May 5, 2024

This survey will include 3 participating vessels.

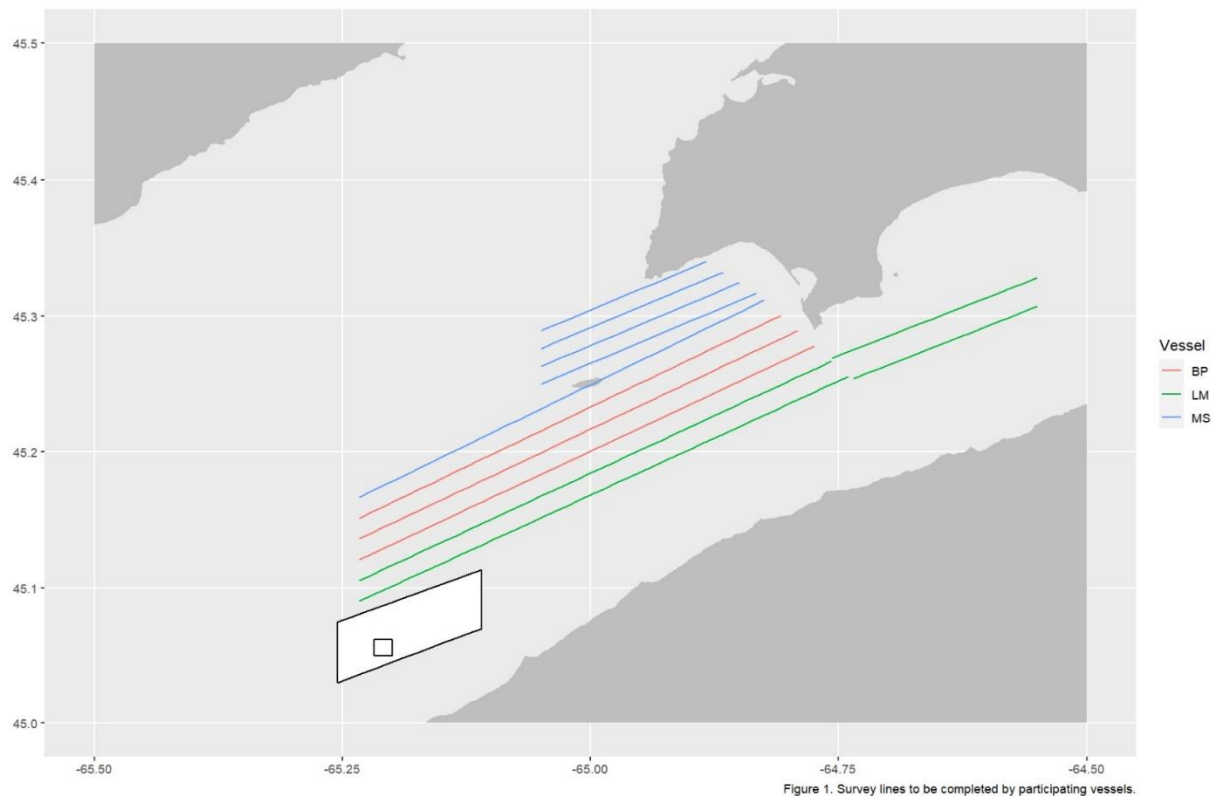
Vessels will complete the following lines: The Lady Melissa will do two lines in the main box and two in the Eastern Box. The Brunswick Provider will complete three lines within the main box. Morning Star will do one line in the main box line (south of Isle Haute) and then complete the Northern box.

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.



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

CTD Box

Lat	Lon
4503.432	6513.048
4503.000	6513.048
4503.000	6512.000
4503.432	6512.000

Tow Box

Lat	Lon
4501.800	6515.300
4504.200	6506.600
4506.780	6506.600
4504.500	6515.300

Full Lines Table

Vessel	Line No.	Start Lat	Start Lon	End Lat	End Lon
Lady Melissa	1	4505.401	6514	4515.331	6444.42
Lady Melissa	2	4515.238	6444.113	4518.408	6433
Lady Melissa	3	4519.7	6433	4516.12	6445.43
Lady Melissa	4	4516.005	6445.436	4506.321	6514
Brunswick Provider	1	4507.241	6514	4516.679	6446.452
Brunswick Provider	2	4517.352	6447.468	4508.16	6514
Brunswick Provider	3	4509.08	6514	4518.026	6448.484
Morning Star	1	4510	6514	4518.7	6449.5
Morning Star	2	4519	6450	4515	6503
Morning Star	3	4515.783	6503	4519.467	6451
Morning Star	4	4519.933	6452	4516.567	6503
Morning Star	5	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

2024-05-05 (Sun)

Time ADT	Height (m)	Height (ft)
03:40	1.1	3.5
09:50	9.8	32.1
16:08	1	3.4
22:19	10	32.8

2024-05-06 (Mon)

Time ADT	Height (m)	Height (ft)
04:38	0.8	2.6
10:47	9.9	32.6
17:05	0.9	3.1
23:13	10.2	33.6

2024-05-05	6.5	4.3	2.4	1.3	1.1	2	3.7	6	8	9.4	9.8	9.1	7.5	5.4	3.2	1.7	1.1	1.4	2.8	4.9	7.2	9	9.9	9.7
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