

# Scots Bay Survey #9 - 2023-09-10

This fishing survey will include 8 participating vessels.

Vessels will complete the following lines: All vessels will be running 2 lines in the Main Survey Box .

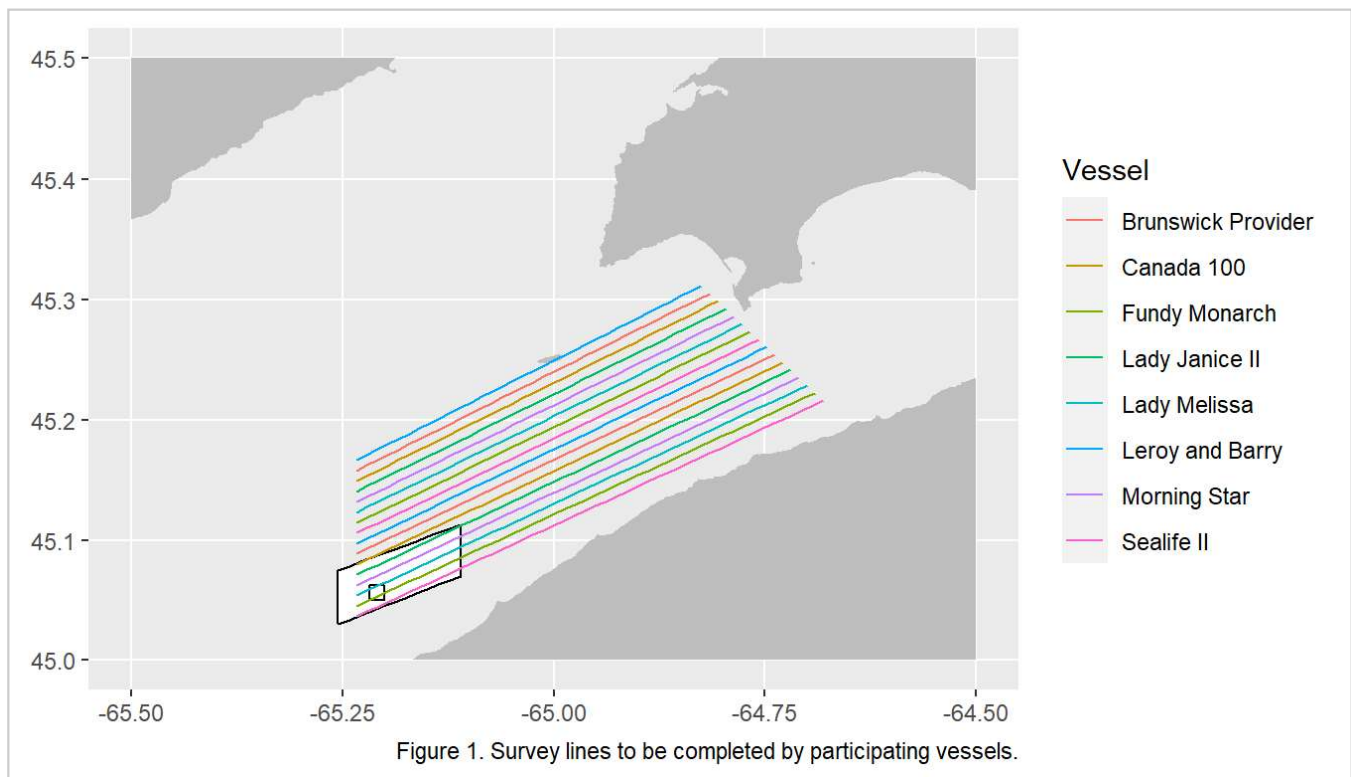
The Lady Melissa will conduct plankton tows and oceanographic sampling.

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

Tagging will be conducted from the Canada 100, Lady Janice II, Lady Melissa, Morning Star, and Sealife II.

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 both plankton towing (bottom left outer box) and CTD casts (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	Start Lat	Start Lon	End Lat	End Lon
Brunswick Provider	4505.309	6514	4515.264	6444.318
Brunswick Provider	4509.479	6514	4518.318	6448.924
Canada 100	4504.788	6514	4514.882	6443.743
Canada 100	4508.958	6514	4517.936	6448.349
Fundy Monarch	4502.703	6514	4513.355	6441.440
Fundy Monarch	4506.873	6514	4516.409	6446.046
Lady Janice II	4504.267	6514	4514.500	6443.167
Lady Janice II	4508.436	6514	4517.555	6447.773
Lady Melissa	4503.224	6514	4513.737	6442.015
Lady Melissa	4507.394	6514	4516.791	6446.621
Leroy and Barry	4505.830	6514	4515.646	6444.894
Leroy and Barry	4510.000	6514	4518.700	6449.500
Morning Star	4503.746	6514	4514.118	6442.591
Morning Star	4507.915	6514	4517.173	6447.197
Sealife II	4502.182	6514	4512.973	6440.864
Sealife II	4506.352	6514	4516.027	6445.470

# Instructions

1. Plan to arrive at the starting point 30 minutes before the start time of 20:00:00.
2. Start the EK80 software and load the 'Herring Survey 2023' 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. Finally, check that the lat and long in the top center of the screen is changing.
3. Commence surveying first line at 20:00:00 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 deck sheets as a backup to recorders every 15 minutes.
6. Note the time when finished your last line.
7. Fishing to start on 2023-09-11, and allocation is 200mt/vessel.

## Tidal Charts

Event Date	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
2023-09-10		3.6	2.4	1.9	2.2	3.2	4.8	6.5	7.8	8.5	8.4	7.6	6.2	4.5	3.2	2.4	2.3	3.1	4.5	6.2	7.7	8.7	8.9	8.2
2023-09-11	6.9	5.1	3.5	2.3	1.9	2.3	3.4	5	6.7	8	8.6	8.4	7.5	6	4.3	3	2.3	2.3	3.2	4.7	6.4	8	8.9	8.9

### 2023-09-10 (Sun)

Time ADT	Height (m)	Height (ft)
03:09	1.8	6.1
09:22	8.6	28.1
15:34	2.2	7.3
21:41	8.9	29.3

### 2023-09-11 (Mon)

Time ADT	Height (m)	Height (ft)
04:03	1.9	6.1
10:15	8.6	28.3
16:25	2.2	7.1
22:31	9	29.5