

# German Bank Survey #4 - 2023-09-13

This **non-fishing** survey will include 9 participating vessels.

Vessels will complete the following lines: All vessels are to complete two lines each in the German Survey Box and one line in the Seal Island Box .

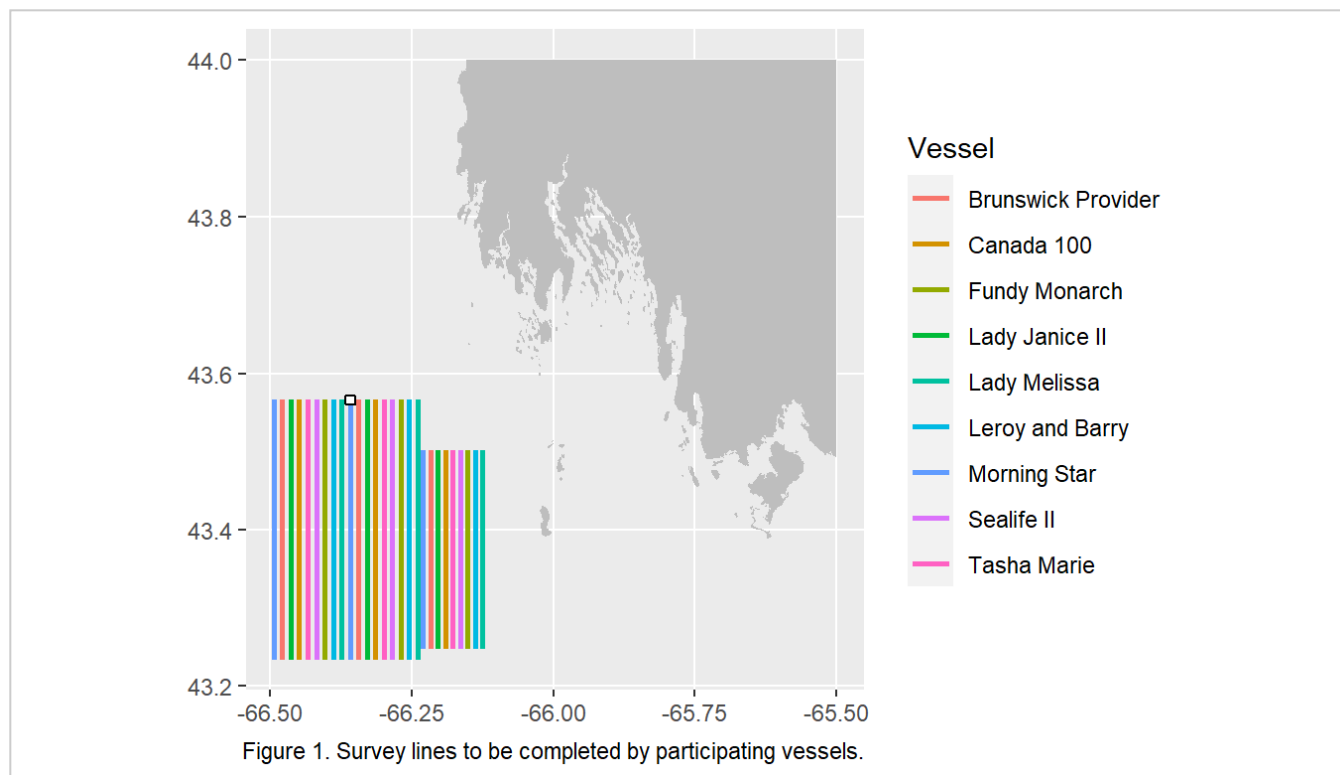
The Lady Melissa will conduct plankton tows and oceanographic sampling.

The survey will have a start time of 20:30:00.

Tagging will be conducted from the Canada 100, Lady Janice II, Lady Melissa, Morning Star, Tasha Marie 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 and CTD casts (northern small box).

## CTD Box

Lat	Lon
4334.320	6622.080
4333.600	6622.080
4333.600	6621.000

Lat	Lon
4334.320	6621.000

## Full Lines Table

Vessel	Start Lat	Start Lon	End Lat	End Lon
Brunswick Provider	4334.00	6628.706	4314.00	6628.706
Brunswick Provider	4334.00	6620.659	4314.00	6620.659
Brunswick Provider	4330.12	6613.012	4314.85	6613.012
Canada 100	4334.00	6626.918	4314.00	6626.918
Canada 100	4334.00	6618.871	4314.00	6618.871
Canada 100	4330.12	6611.438	4314.85	6611.438
Fundy Monarch	4334.00	6624.235	4314.00	6624.235
Fundy Monarch	4334.00	6616.188	4314.00	6616.188
Fundy Monarch	4330.12	6609.075	4314.85	6609.075
Lady Janice II	4334.00	6627.812	4314.00	6627.812
Lady Janice II	4334.00	6619.765	4314.00	6619.765
Lady Janice II	4330.12	6612.225	4314.85	6612.225
Lady Melissa	4334.00	6622.447	4314.00	6622.447
Lady Melissa	4334.00	6614.400	4314.00	6614.400
Lady Melissa	4330.12	6607.500	4314.85	6607.500
Leroy and Barry	4334.00	6623.341	4314.00	6623.341
Leroy and Barry	4334.00	6615.294	4314.00	6615.294
Leroy and Barry	4330.12	6608.288	4314.85	6608.288
Morning Star	4334.00	6629.600	4314.00	6629.600
Morning Star	4334.00	6621.553	4314.00	6621.553
Morning Star	4330.12	6613.800	4314.85	6613.800

Vessel	Start Lat	Start Lon	End Lat	End Lon
Sealife II	4334.00	6625.129	4314.00	6625.129
Sealife II	4334.00	6617.082	4314.00	6617.082
Sealife II	4330.12	6609.863	4314.85	6609.863
Tasha Marie	4334.00	6626.024	4314.00	6626.024
Tasha Marie	4334.00	6617.976	4314.00	6617.976
Tasha Marie	4330.12	6610.650	4314.85	6610.650

## Instructions

1. Plan to arrive at the starting point 30 minutes before the start time of 20:30:00.
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 20:30:00 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 2023-09-14, and allocation is 200mt/vessel for German Bank and 100mt/vessel for Seal Island.