

# DFO Multispecies Survey Trip Report

Newfoundland and Labrador Region

*Science Branch*

## TRIP SUMMARY

**Vessel:** Teleost | **Trip number:** TEL190

**Sailed from:** St. Anthony, NL | **Returned to:** St. John's, NL

**Start Date:** October 24, 2018 | **End Date:** November 6, 2018

**Scientific Staff:** Laura Wheeland(SIC), F. Dawson, K. Rideout, M. Terry, B. Vaters, P. Higdon, J. Croft, F. Tulk, T. Bungay

This report has been prepared by Laura Wheeland(SIC).

**Area of Operation:** NAFO Divisions 2H and 2J fishing in depths to a maximum of 1334 m.

**Purpose:** To determine the distribution and abundance of various groundfish and shellfish species with respect to position, depth and temperature and to collect biological samples.

**Fishing Methods:** Sets of 15-minute duration towing at 3.0 knots using the Campellen 1800 bottom trawl with a small-mesh liner (12 mm) in the cod-end. SCANMAR acoustic sensors were mounted on the trawl for determination of bottom contact and net configuration during tow.

**Time Lost:**

categories	time
Mechanical Issues	3
Weather	5
Other	19

A total of 27 hours were lost due to a combination of weather, mechanical issues and other causes

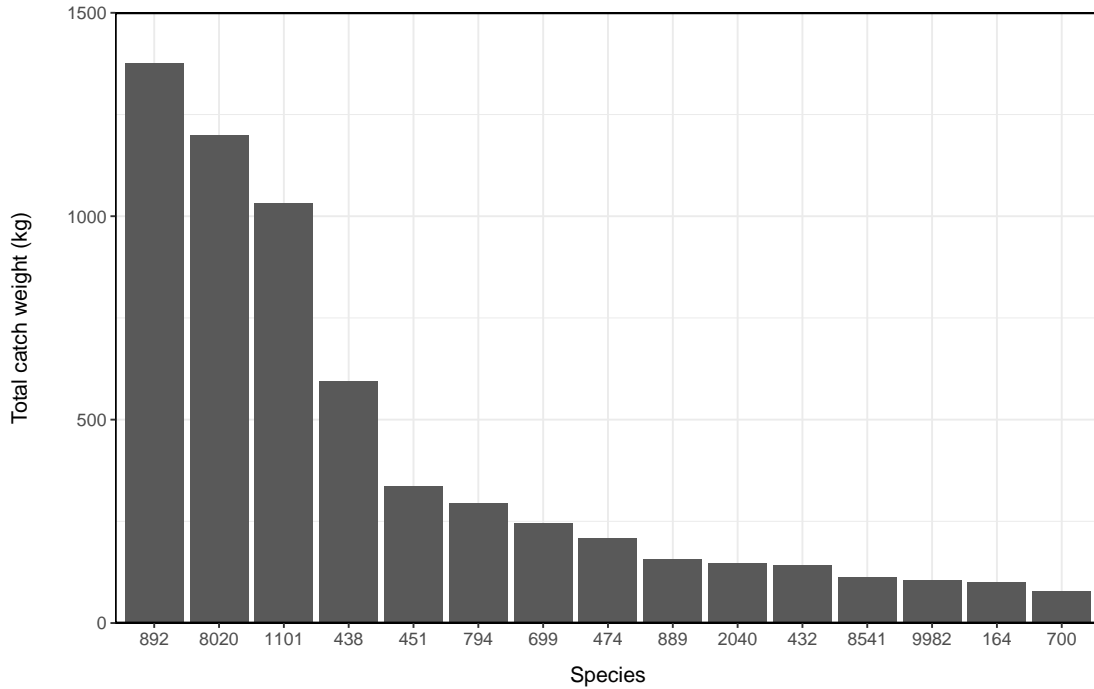
**Results:**

## Catch Summary

NAFO	type	N
2H	successful	18
2H	unsuccessful	2
2J	successful	36
2J	unsuccessful	3

A total of 54 successful sets and 5 unsuccessful sets were completed between depths of 129 m and 1334 m in NAFO Divisions 2H and 2J (N=18) and 2J (N=36). A plot of the survey track is presented in Figure 1. Summarized near bottom temperature from a net mounted CTD is shown in Figure 2. 167 taxonomic groups were represented in the catch, with a total catch weight of 6961kg. Greenland halibut and Atlantic cod were the most prevalent finfish, accounting for 19.8% and 8.5% of the total catch by weight, respectively. Shrimp were the second most abundant taxa overall by weight, accounting for 17.2% of total catches. Figure 3 summarizes the most commonly caught taxa from this trip.

This trip completed 36 sets in NAFO divisions 2J, 2H. Total catch was 6961kg, with 167 taxa recorded. Fishing occurred from 129m to 1334m.



*Figure 1: Total catch weight of the fifteen most commonly encountered taxa during trip TEL190*