

Fisheries and Oceans Canada  
Science Branch  
St. John's, NL

**Trip Summary**

Vessel: CCGS Teleost  
Sailed from: St. Anthony, NL  
Returned to: St. Anthony, NL

Trip No: Tel190  
Date: 24 October 2018  
Date: 6 November 2018

Scientific Staff: L. Wheeland (P.I.C.), F. Dawson, K. Rideout, M. Terry, B. Vaters, P. Higdon, J. Croft, F. Tulk, T. Bungay

Area of Operation: NAFO Divisions 2H and 2J fishing in depths to a maximum of 1500 meters.

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.

Results: We did not depart St. Anthony until October 25<sup>th</sup> due to hours of work by CCGG, flight delays resulting in the late arrival of science crew on October 24<sup>th</sup>, and poor weather conditions. We arrived back in St. Anthony 1 day early (Nov 5<sup>th</sup>) as poor weather conditions led to an early departure from the survey area in 2J. Overall, approximately 62 hours (8 hour departure delay Oct 25<sup>th</sup>, 30 hours jogging Oct 27-28<sup>th</sup>, 24 hours at trip end) were lost from the trip due to weather.

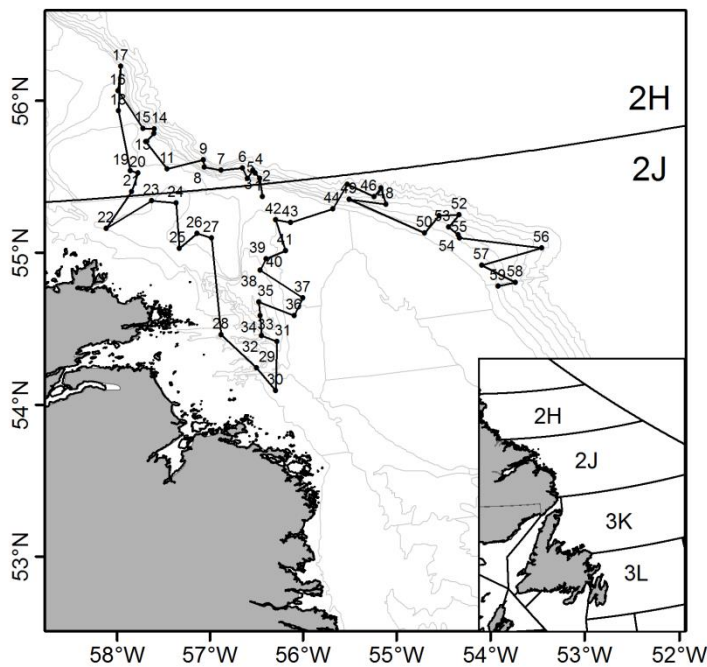


Figure 1: Survey tack for TEL190

A total of 54 successful sets and 5 unsuccessful sets were completed between depths of 129m and 1334 m in NAFO Divs. 2H (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.

A special thanks to Captain Chris Boyd, the CCGS Teleost crew and to the science staff.

L. Wheeland  
9 November 2018

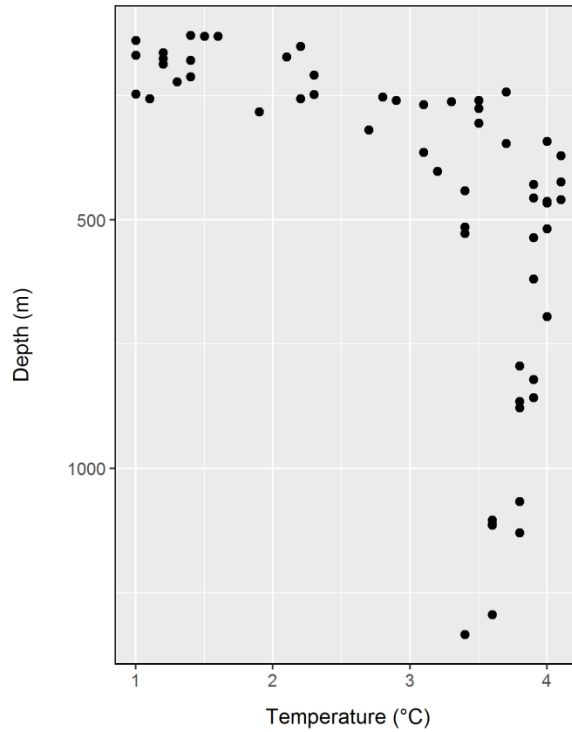


Figure 2: Temperature at depth, as recorded from trawl mounted CTD

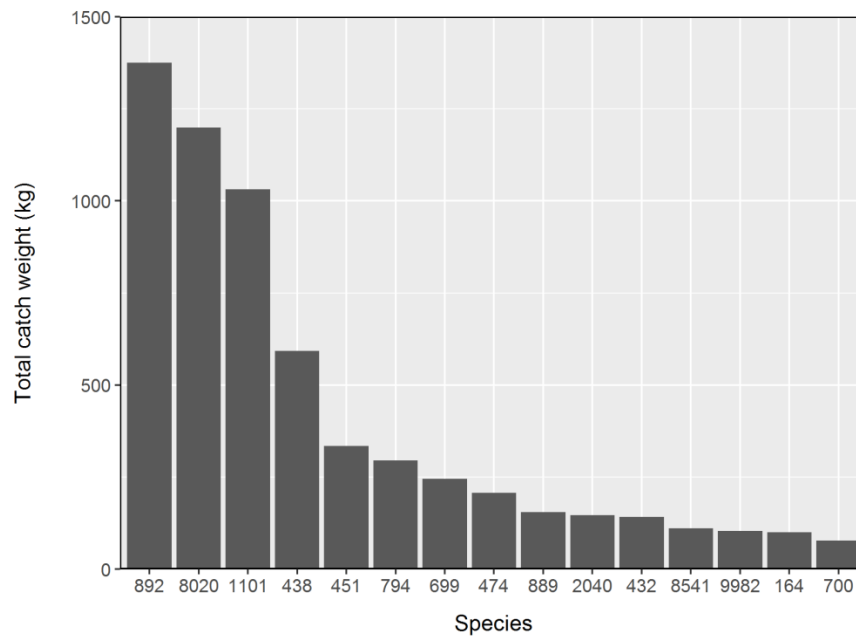


Figure 3: Most common taxa caught, by weight, during TEL190 (892 = Greenland halibut; 8020 = Shrimp; 1101 = Sponge; 438 = Atlantic cod; 451 = Arctic cod; 794 = Redfish; 699 = Broadhead wolffish; 474 = Roughhead grenadier; 889 = American plaice; 2040 = Scyphozoan; 432 = Blue hake; 8541 = Basket stars; 9982 = Stone; 164 = Smoothheads n.s.; 700 = Striped Wolfish)