



Regional Operations Centre Canadian Coast Guard Western



Science Cruise Report: PAC 2022-035

Report last updated: 2022-08-08 09:11:28

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2022-035>

Print Report to Printer or PDF

Department/Group: Fisheries and Oceans Canada, Ocean Networks Canada, ESD

Other Participating Groups:

Science Cruise Number: PAC 2022-035

Alternative Cruise Number:

Ship's Patrol Number:

Name of Vessel/Platform: J.P. Tully

Dates: From: Tuesday 07-Jun-2022 To: Tuesday 28-Jun-2022

Chief Scientist: Tammy Norgard, 250-756-7005, tammy.norgard@dfp-mpo.gc.ca

Master:

Fishing Master:

Appropriateness of Vessel: Good

Time Allocations

Originally Allocated Days 21.00

Accounting below is given in days and should match the originally allocated days above.

| | | |
|-------------------------------------|----------------|----------------------------|
| Weather | + 0.00 | |
| SAR | + 0.00 | |
| CCG Refueling | + 1.00 | |
| CCG Ship Repair & Maintenance | + 0.00 | |
| CCG Crew Changes | + 0.00 | |
| CCG Other | + 8.00 | Coast Guard Crewing Issues |
| Science Operations | + 12.00 | |
| Science Equipment Loading/Unloading | + 0.00 | |
| Science Other | + 0.00 | |
| Days Gained | + 0.00 | |
| Days Grand Total | = 21.00 | |

Time Allocation Comments: Coast Guard Crewing Issues made it so the Tully could not leave the Sannich Inlet from June 7 to June 16, During this time we were able to do 4 less then 12 trips away from the dock to work in Sannich Inlet testing gear. The Actual Survey left the dock on June 16 at 630 pm and proceeded as normally after that date.

Cruise Events

Areas of Operations

Queen Charlotte Sound, Hecate Strait, Northeast Pacific

Scientific Personnel

| Name | Notes (Affiliation, Watches, Duties, etc) |
|------------------|---|
| Josh Tetranko | |
| Rudy Schlepp | |
| Jesse Doren | |
| Rhys Prevost | |
| Shelton Du Preez | |
| Daniel Labbe | |
| Tammy Norgard | Chief Scientist |
| Cherisse DuPreez | |
| Chelsea Stanley | |
| Georgia Clyde | Celiac and vegetarian (non-dairy) – butter, eggs, and honey are okay. |
| Merlin Best | |
| Heidi Gartner | |
| Lindsay Clark | |
| Tammy Gomez | |
| Tayler Brown | |
| Vanessa Zahner | |

Event Log

7-June Got ship at noon and setup survey, found out ship did not have enough staff to sail
 8-June Load more equipment and setup ROV
 9-June Tully went to Coals Bay for sounder calibration and worked on multibeam pole
 10-June ROV test dives Sannich Inlet
 11-June Multibeam setup working just off the dock in saanich inlet
 12-June Completed Venus transect
 13-June Fueled the ship
 14-June ships crew changed load the ship with groceries found out ship could not leave for 2 more days
 15-June setup ship at the dock
 16-June survey prep at the dock, ship left the dock at 630 pm
 17-June transited all day to Haida Gwaii
 18-June completed oceanographic work on west coast Haida Gwaii
 19-June Survey SAUP seamount with ROV
 20-June ROV Dives at Bowie Seamount and Oceanography
 21-June ROV Dives at Bowie Seamount and Oceanography
 22-June Transit to Union Seamount over UN 42, 30, 29 start multibeaming at 2300.
 23-June Multibeam Union Seamount transit to West Valley
 24-June ROV dive West Valley, Oceanography,
 25-June Multibeam Heck Seamount , ROV Dive West Valley, Transit to Containers, Disassemble the Pole
 26-June ROV dive at containers and ROV Dive at Swifture
 27-June Unload the Ship downtown Victoria
 28-June Next survey takes the ship

Scientific Equipment Report

On this survey we were able to test out a new design to use a multibeam mapping device from a pole off the side of the ship. Because this was new engineering we work very closely with the ships crew to develop the best method to install and deploy this multibeam. This was a complicated addition to our survey but a very successful one. A report has been developed for the Chief Mate on what modification should be considered for the pole and the ship to make this easier to use in the future.

Radioisotope Report

NA

Scientific Successes and Concerns

This survey was a partnership between the Fisheries and Oceans Canada, the Council of the Haida Nation, Nuuchah-nulth Tribal Council, and Ocean Networks Canada. Because of this partnership we were bound to survey the sites of interest for each community and this led us to travel most of the offshore of BC. Since our survey was shortened by more than half of our time we still had to travel to reach the sites and this then limited us on the number of days at each site. So, even though we were able to visit many of the sites we were unable to complete half our science objectives.

While we were at sea the Tully Crew and Captain made a huge effort to help us make up for lost time and this effort was very much appreciated and led to the successes we experienced on this survey. This is a link to our survey summary video - <https://www.youtube.com/watch?v=W1sWGcGblo4>.

Platform Successes and Concerns

Staffing on Coast Guard ships is a very large concern. Our Deep Sea program contracts very expensive equipment to be at sea with us and not having reliable crewing is a concern. For a 2 week survey an ROV contract will cost \$426K and rental for multibeam equipment is around \$150K.; Even if we are tied up at the dock we still need to pay for these contracts.;;

;

Once we were underway sailing the ship was very successful.

Safety Concerns

[Not Entered]

Hazardous Occurrences

[Not Entered]

Other Comments

[Not Entered]

Images

[No Alternative Image Provided]

Image notes:

Page generated from: <https://www.waterproperties.ca:443/requests/cruisereportview.php?cruiseid=2022-035> on Friday 12 August 2022

15:56:51