



## Regional Operations Centre, Canadian Coast Guard Western



### Science Cruise Report: PAC 2023-069

Report last updated: 2023-08-30 10:29:37

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2023-069>

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**Department/Group:** Fisheries and Oceans Canada, OSD  
**Other Participating Groups:**  
**Science Cruise Number:** PAC 2023-069  
**Alternative Cruise Number:**  
**Ship's Patrol Number:** 23-05  
**Name of Vessel/Platform:** J.P. Tully  
**Dates:** From: Tuesday 25-Jul-2023 To: Tuesday 08-Aug-2023  
**Chief Scientist:** David Spear, 250-363-6581, [david.spear@dfo-mpo.gc.ca](mailto:david.spear@dfo-mpo.gc.ca)  
**Master:** Bennett Light  
**Fishing Master:**  
**Appropriateness of Vessel:** Excellent

### Time Allocations

#### Originally Allocated Days

14.00

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

Weather	+ 0.00	the weather was exceptionally calm
SAR	+ 0.00	
CCG Refueling	+ 0.25	fueled in Port Hardy
CCG Ship Repair & Maintenance	+ 0.25	crane hydraulic failure at first mooring site
CCG Crew Changes	+ 0.80	
CCG Other	+ 0.25	paperwork to sail with out logistics officer
Science Operations	+ 12.00	
Science Equipment Loading/Unloading	+ 0.25	
Science Other	+ 0.20	Previous cruise overstayed their welcome, unloading 3 hour into our cruise time
Days Gained	+ 0.00	
<b>Days Grand Total</b>	<b>= 14.00</b>	

**Time Allocation Comments:** Captain Light did everything that he could to make up for the delays at the beginning of the cruise, which was greatly appreciated and allowed us to complete our program.

## Cruise Events

### Areas of Operations

Juan de Fuca, Strait of Georgia, Johnstone Strait, West Coast Vancouver Island, Northwest Coast Vancouver Island, Queen Charlotte Sound, Hecate Strait

### Scientific Personnel

Name	Notes (Affiliation, Watches, Duties, etc)
David Spear	
Lucius Perreault	
Chris Clarke	
Lindsay Mazzei	
Stephen Page	
Charles Hannah	
Cindy Wright	
Tamara Fraser	
Jocelyn Nelson	

### Event Log

July 25 - Loading - ship not available for loading until 1500

July 26 - finish loading - departure further delayed waiting for approval to sail without a logistics officer.; Steam overnight to Estevan Point

July 27 - Moorings E01 and E03 - delayed by hydraulic failure in ship's crane

July 28 - Moorings Quat2, Quat1 and Scott3. Stations overnight with CTD communications issues

July 29 - Moorings Scott2 and HAK1 (recovery only) CI line stations en route and overnight to Juan Perez Sound

July 30 - Moorings Juan2 recovered, Juan3 recovered and Juan1 deployed stations in Juan Perez Sound and up to SRN1

July 31 - Mooring SRN1 recovered and stations up Hecate Strait to Dixon Entrance

August 1 - Find and recover Dixon2 mooring, deploy Dixon 3, Dixon 4, Chaty 2 and Chat4 moorings. Recover Chat3 mooring. Stations overnight up Portland Inlet to Portland Canal

August 2 - Stations in Work Channel , Quottoon Inlet and Chatham Sound Steam to Ursula Channel;

August 3 - Deploy Moorings UC1 and UC2. Stations along Devastation Channeland; Gardiner Canal

August 4 -; Stations out Gardiner Canal, Verney Passage, Squally Channel and Camaano Sound to HEC2

August 5 - Deploy moorings HEC2 and SRC1, Stations south to Port Hardy

August 6 - Fueling Port Hardy steam overnight to IOS

August 7 - Offload IOS

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### Scientific Equipment Report

The weather was incredibly calm and mooring recoveries went smoothly.; Two moorings had been hit by mid-water trawls, but were found about as quickly and easily as one could hope.

We had a number of communications errors with the CTD deck unit.; At first, the problem was thought to be the computer, which was replaced and temporarily solved the problem.; The computer power supply was then thought to be inadequate for the 3 inputs to the B;B Electronics US09ML2-4P serial to USB opto isolator and an external power supply was added.; Eventually we swapped out the deck unit, which solved any problems for the remainder of the cruise, other than an altimeter failure which was solved by switching to the spare altimeter.; We were unable to determine the problem with the deck unit and altimeter at sea.

### Radioisotope Report

N/A

## Scientific Successes and Concerns

[Not Entered]

## Platform Successes and Concerns

The Tully is an ideal platform for this type of work, with its wide aft deck for mooring deployments and recoveries

## Safety Concerns

N/A

## Hazardous Occurrences

N/A

## Other Comments

Captain Light and the crew of the Tully were a delight to work with, doing everything that they could to make the cruise a success.; I very much look forward to sailing with captain Light in the future.

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The deplorable state of ship board internet is perhaps worth mentioning.; We had both the ONC dome and Star Link available for our program but were unable to share our vast bandwidth with the ship.




## Images




[No Alternative Image Provided]

**Image notes:**

## Other Supporting Documents:

*Note that some of these files may not load correctly in your browser when clicked, but you can right-click on them and save them to your local machine to view.*

Filename	Type	Size	Modified
 2023-069_deckplan.docx	file	35K	Tuesday 23 May 2023 11:49
 2023-069logbook.pdf	file	596K	Wednesday 30 Aug 2023 10:22
 2023-069plan1.jpg	file	376K	Thursday 01 Jun 2023 08:34

	2023-069plan3.jpg	file	606K	Thursday 01 Jun 2023 08:34
	2023-069plan4.jpg	file	339K	Thursday 01 Jun 2023 08:34
	2023-069plan5.jpg	file	685K	Thursday 01 Jun 2023 08:34

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