



## Regional Operations Centre, Canadian Coast Guard Western



### Science Cruise Report: PAC 2021-005

**Report last updated:** 2021-06-03 23:32:31

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2021-005>

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<b>Department/Group:</b>	Fisheries and Oceans Canada, OSD
<b>Other Participating Groups:</b>	None
<b>Science Cruise Number:</b>	PAC 2021-005
<b>Alternative Cruise Number:</b>	
<b>Ship's Patrol Number:</b>	21-03
<b>Name of Vessel/Platform:</b>	J.P. Tully
<b>Dates:</b>	<b>From:</b> Tuesday 18-May-2021 <b>To:</b> Monday 31-May-2021
<b>Chief Scientist:</b>	Akash Sastri, 778-677-1226, <a href="mailto:akash.sastri@dfo-mpo.gc.ca">akash.sastri@dfo-mpo.gc.ca</a>
<b>Master:</b>	Kent Reid
<b>Fishing Master:</b>	
<b>Appropriateness of Vessel:</b>	Excellent

### Time Allocations

**Originally Allocated Days** **14.00**  
Accounting below is given in days and should match the originally allocated days above.

<b>Weather</b>	+ 0.54	
<b>SAR</b>	+ 0.08	
<b>CCG Refueling</b>	+ 0.00	
<b>CCG Ship Repair &amp; Maintenance</b>	+ 0.63	repair to boat davit prior to departure
<b>CCG Crew Changes</b>	+ 0.00	
<b>CCG Other</b>	+ 0.00	
<b>Science Operations</b>	+ 11.76	
<b>Science Equipment Loading/Unloading</b>	+ 1.00	
<b>Science Other</b>	+ 0.00	
<b>Days Gained</b>	+ 0.00	
<b>Days Grand Total</b>	<b>= 14.01</b>	

**Time Allocation Comments:**

### Cruise Events

#### Areas of Operations

Juan de Fuca, Strait of Georgia, Johnstone Strait, West Coast Vancouver Island, Northwest Coast Vancouver Island, Hecate Strait, Northeast Pacific

## Scientific Personnel

### Male - Name Notes (Affiliation, Watches, Duties, etc)

Kenny Scozzafava  
Akash Sastri  
John Nelson  
Julian Smith  
Rowan Fox

### Female - Name Notes (Affiliation, Watches, Duties, etc)

Chelsea Stanley  
Nina Nemcek  
Moira Galbraith

## Event Log

Tuesday 05-18-2021: Screening, COVID rapid testing and loading commenced 1400 (local). All gear loaded by dinner  
05-19-2021: Depart 1700 UTC. Sanich Inlet test cast, Stn 59,  
05-20-2021: Stations JF2, start LB line (LB01 - LB10) and stations E1,C1,C3,B8, and B7  
05-21-2021: Continue LB line: LB11-LB16, transit to and start LC from offshore LC12-LC09  
05-22-2021: Continue LC line: LC08-LC01, transit and commence LD line, starting inshore at LD01 to LD09  
05-23-2021: Completed LD line (LD10 and LD11), transit to LG line, starting offshore LG09-LG04  
05-24-2021: Completed LG line (LG03-LG01), transit and commenced LJ line (inshore) LJ01-LJ09, transit to LBP line  
05-25-2021: Started LBPline offshore LBP8-LBP1, transit to CPE2, LQ03,JI22  
05-26-2021: CS00 deep rosette completed before sea state worsened. Science operations halted and resumed after 12 hours.  
05-27-2021: Additional 500m rosette/CTD at CS00 and Bongo - resumed science plan CS01-CS04, New ODAS, CS3B  
05-28-2021: Continued CS line, CS05-CS10, SS5, SS6 and CPE1  
05-29-2021: Johnstone Strait: JS01. Strait of Georgia: 16, 14, 12, 22, 24,  
05-30-2021: Strait of Georgia: 24, 9, 6, CPF2, 3, 2, CPF1, 27, GEO1, 39, 42, 46, 56, GI-01 (dropped due to moored science equipment NAVWARN), and SC-04 in Satellite Channel. Transit to Coles Bay to prepare echosounder calibration.  
05-31-2021: AM Echosounder calibration and demobilization at 1000-1400 (local).

## Scientific Equipment Report

We experienced no paritcular issue with primary equipment: 1) CTD/Rosette; 2) Bongos; and 3) MPS.

We attempted to deploy the MOCNESS; however connectivity was lost each time the net was deployed; this fault was traced to the can which we were not able to repair on board.

We also tested deployment of the Underwater Vision Profiler. This is a new plankton imaging instrument housed in a frame. The instrument was sucessfully deployed at 20 stations off the stern using the workwinch. Thanks to the crew for care in deploying and retrieving the instrument.

## Radioisotope Report

NA

## Scientific Successes and Concerns

This was a successful survey. With the exception of ~12 hours lost to poor conditions at the offshore end of Cape Scott (CS) line, nearly all planned station work was completed. No delays due to ships equipment failure or problems with the ship. We had a delay getting started due to ships repairs, the ships crew helped get us back on schedule with quick transit and efficient station keeping - many thanks!!

**Platform Successes and Concerns**

We did not lose time while underway due to any major equipment issues and our sampling activities benefited from an experienced crew familiar with our program activities.

**Safety Concerns**

None

**Hazardous Occurrences**

None

**Other Comments**

None

**Images**

[No Alternative Image Provided]

**Image notes:**

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