



Regional Operations Centre Canadian Coast Guard Western



Science Cruise Report: PAC 2022-069

Report last updated: 2022-07-28 15:27:52

<https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2022-069>

Print Report to Printer or PDF

Department/Group: Fisheries and Oceans Canada, OSD

Other Participating Groups:

Science Cruise Number: PAC 2022-069

Alternative Cruise Number:

Ship's Patrol Number:

Name of Vessel/Platform: J.P. Tully

Dates: From: Tuesday 12-Jul-2022 To: Tuesday 26-Jul-2022

Chief Scientist: David Spear, 250-363-6581, david.spear@dfo-mpo.gc.ca

Master: Michael Shuckburgh

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	
SAR	+ 0.00	
CCG Refueling	+ 0.00	
CCG Ship Repair & Maintenance	+ 1.00	engine control problems meant cancellation of Work Channel and Loughborough Inlet stations
CCG Crew Changes	+ 0.00	
CCG Other	+ 0.50	Loading supplies afternoon of the 13th
Science Operations	+ 10.00	
Science Equipment Loading/Unloading	+ 1.50	
Science Other	+ 1.00	Rescue of Slocum Glider Maria
Days Gained	+ 0.00	

Days Grand Total = 14.00

Time Allocation Comments: We had originally allocated a day for the Viking Buoy deployment near Ahjaxx Bank, but cancelled it due to tight time constraints. The glider rescue ate up the time freed up by cancelling the Viking Buoy. We missed out on some inlet work, the Millbank Sound line and stations in Queen Charlotte Strait and Johnstone Strait due to shortness of time. We managed to get all of the moorings done at the expense of CTDs and water sampling.

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

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

David Spear
Lucius Perreault
Chris Clarke
Lindsay Mazzei
Stephen Page
Charles Hannah

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

Cindy Wright
Tamara Fraser

Event Log

Station Latitude Longitude Depth (m) Activity
July 12

Start loading

July 13
IOS Depart IOS

July 14
E03-61 49deg; 5.700 126deg; 56.2 400 CTD + Mooring Recovery and Deployment
E01-61 49deg; 17.433 126deg; 36.341 102 CTD + Mooring Recovery by dragging and Deployment

July 15
Maria Glider Rescue

July 16
N11 -127.4800 50.3950 100 Ros
N17 -127.5090 50.4280 170 CTD
N18 -127.5592 50.4817 162 Ros
N22 -127.5990 50.5083 150 CTD
Q4 -127.6450 50.5283 117 CTD
Q3 -127.7708 50.4958 117 Ros
Q2 -127.9050 50.4708 170 CTD
Q1 -128.0001 50.4167 170 Ros

July 17
QUAT1-1 50.4133 -128.0058 170 Mooring Deployment + Recovery +CTD
QUAT2-1 50.4750 -127.8208 140 Mooring Deployment + Recovery +CTD
Drifters 50.5913 -128.6322 Drifters enroute to Scott3
Drifters 50.7097 -129.0619 Drifters enroute to Scott3
Scott3-1 50deg; 50.487rsquo; 129deg; 28.618rsquo; 238 CTD + Mooring Recovery and Deployment
CS01 50.5820 -129.6920 2175 Ros
CS02 50.6880 -129.4670 1902 CTD
CS03 50.7600 -129.3330 240 CTD
CS04 50.8200 -129.2170 100 CTD
CI08 50deg; 53.30rsquo; 129deg; 52.30rsquo; 2070 Rosette+
CI07 50deg; 46.4rsquo; 129deg; 48.50rsquo; 1565 CTD + Bongo
CI06 51deg; 2.00 129deg; 38.00rsquo; 817 Rosette+

July 18
Scott2-5 51deg; 7.698rsquo; 129 28.552rsquo; 287 CTD + Mooring Recovery and Deployment + 3 SCTs
CI05b 51deg; 13.20 129 16.08 301 CTD
CI04 51deg; 19.14 129 3.12 259 MiniSupDO + 2 SCTs + Bongo
CI03b 51deg; 22.98 128deg; 45.00 220 CTD

CI02 51deg; 28.02 128 30.00 200 CTD
HAK1-5 51deg; 42.732 128deg; 14.170 138 Mooring Recovery and Deployment + MiniSupDO

July 18

Juan2-3 52.5204 -131.4314 240 Mooring/CTD
Juan3-1 52.5611 -131.4418 240 Surface Mooring
JPS1 52.6047 -131.6695 143 Ros + Net
JPS2 52.5831 -131.6213 238 CTD
JPS3 52.5540 -131.4980 320 Ros + Net
JPS4 52.5183 -131.3933 360 CTD
JPS5 52.5233 -131.3120 230 Ros + Net
JPS6 52.5350 -131.1780 167 CTD
JPS7 52.5650 -131.0980 130 Ros +Net + 1 Drifter

July 19

Drifters4 52.6783 -130.9506 1 Drifter
Drifters5 52.7917 -130.8028 1 Drifter
Drifter6 52.9051 -130.6546 1 Drifter
Drifters7 53.0185 -130.5060 1 Drifter
SRN1-5 53.1083 -130.3831 161 Mooring+Ros+Drifter
W007 53.2583 -130.6833 170 CTD
HECS1 53.3925 -130.7581 189 Ros
HECS2 53.5314 -130.7178 188 CTD
HECS3 53.6976 -130.7178 141 CTD
HECS4 53.8048 -130.8233 110 Ros
HECS5 53.9372 -131.0059 89 CTD
HECS6 54.1263 -131.0413 110 CTD
HECS7 54.2295 -131.0349 122 CTD
HECS8 54.3856 -131.0892 119 Ros +Net
HECS9 54.5168 -131.1035 160 CTD
CH03 54.6888 -130.9250 560 CTD

July 20

Dixon1-1 54.6832 -131.2083 336 Mooring Recovery/CTD
DIX1 54.4283 -131.5153 260 Ros +Net
MA01 54.2480 -131.6750 125 CTD
Dixon 2-1 54.2717 -131.9167 206 CTD/ Mooring Deployment
MA02 54.1857 -131.9661 102 CTD
MA03 54.1868 -132.2336 104 CTD
DIX3 54.4787 -132.2999 361 Ros + Net
DIX2 54.4243 -131.9440 276 Ros
DIX1 54.4283 -131.5153 260 Ros +Net
HECS8 54.3856 -131.0892 119 Ros
CH14 54.3407 -130.8289 138 Ros
CH16 54.3312 -130.6240 218 Ros
CH10 54.4465 -130.6544 85 CTD

July 21

Chat3-3 54.5272 -130.5416 161 Mooring/Ros
CH05 54.5617 -130.6270 142 CTD
CH02 54.6622 -130.6356 308 Ros

PI1 54.6768 -130.4717 565 CTD

KH1 54.7117 -130.1550 115 Ros
KH2 54.6517 -130.0600 165 CTD
KH3 54.6000 -129.9450 30 Ros
PI4 54.8268 -130.2497 452 Ros
PI5 54.8808 -130.1837 414 CTD
PI6 54.9348 -130.1167 339 CTD
PO5 55.0033 -130.1417 163 Ros
PC 06 55.1125 -130.1590 100 CTD
PC 07 55.2111 -130.0757 165 CTD
PC 08 55.3167 -129.9913 134 Ros
PC 09 55.4333 -130.0360 110 CTD
July 22
PC 10 55.5378 -130.1067 140 CTD

PC 11 55.6331 -130.1185 170 CTD
PC 12 55.7267 -130.1467 200 CTD
PC 13 55.8143 -130.1010 150 Ros
PC 14 55.8917 -130.0167 80 CTD
PI3 54.7778 -130.3297 485 CTD
PI2 54.7298 -130.4067 540 CTD

July 23

MT02 53.0306 -130.2451 216 CTD
MT03 52.9258 -130.1318 243 CTD
MT04 52.8191 -130.0215 257 CTD
MT05 52.6759 -129.9872 263 Ros
MT06B 52.5555 -130.0500 282 CTD
MT07B 52.4000 -130.1400 331 CTD
MT08B 52.2333 -130.1917 498 Ros
MT09 52.1283 -130.2847 440 CTD
MT10 51.9697 -130.4905 433 CTD
MT11B 51.7000 -130.5550 1000 CTD
MS08B 51.4000 -130.7000 2002 Ros

;

;

Scientific Equipment Report

CTD cable fault found on test cast, reterminated only to be irreparably damaged aking the lack line up in the LARS again.; The CTD wire looked to be quite rusty, and we advised the winch shop that it should be removed from the ship and lubed prior to the August Line P/La Perouse cruises

Radioisotope Report

[Not Entered]

Scientific Successes and Concerns

Moored PCO₂ instruments failed early again.

Fishing pressure on the west coast of Vancouver Island continues to wreak havoc with our moorings, with both E01 and E03 being hit.

Platform Successes and Concerns

[Not Entered]

Safety Concerns

N/A

Hazardous Occurrences

N/A

Other Comments

[Not Entered]

Images

[No Alternative Image Provided]

Image notes:

Khutzymateen Inlet

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
 2022-069-Juan Perez.jpg	file	239K	Saturday 25 Jun 2022 03:45
 2022-069-Northern Inlets.jpg	file	477K	Saturday 25 Jun 2022 03:45
 2022-069plan1.jpg	file	885K	Friday 27 May 2022 10:04
 2022-069plan3.jpg	file	862K	Friday 27 May 2022 10:04
 2022-069plan4.jpg	file	262K	Friday 27 May 2022 10:04
 2022-069plan5.jpg	file	333K	Friday 27 May 2022 10:04

Page generated from: <https://www.waterproperties.ca:443/requests/cruisereportview.php?cruiseid=2022-069> on Friday 27 January 2023 14:33:39