



Regional Operations Centre, Canadian Coast Guard Western



Science Cruise Report: PAC 2018-025

Report last updated: 2018-09-04 21:19:30

Link to Original Plan: [https://www.waterproperties.ca/requests/cruiseplanview.php?](https://www.waterproperties.ca/requests/cruiseplanview.php?cruiseid=2018-025)

cruiseid=2018-025

Department/Group: Fisheries and Oceans Canada, OSD

Other Participating Groups:

Science Cruise Number: PAC 2018-025

Alternative Cruise Number:

Ship's Patrol Number:

Name of Vessel/Platform: J.P. Tully

Dates: **From:** Tuesday 14-Aug-2018 **To:** Saturday 01-Sep-2018

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

Master: Kent Reid

Fishing Master:

Appropriateness of Vessel: Not Rated

Time Allocations

Originally Allocated Days **18.00**

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

Weather	+ 0.00
SAR	+ 0.00
CCG Refueling	+ 0.50
CCG Ship Repair & Maintenance	+ 0.00
CCG Crew Changes	+ 0.00
CCG Other	+ 0.00
Science Operations	+ 16.50
Science Equipment Loading/Unloading	+ 1.00
Science Other	+ 0.00
Days Gained	+ 0.00

Days Grand Total **= 18.00**

Time Allocation Comments:

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
Christopher Clarke
Lindsay Mazzei
Charles Hannah
Stephen Page
Roy Hourston
Scott Rose

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

Sophie Johannessen
Cindy Wright
Tamara Fraser
Linsey Haram

Event Log

August 14
IOS Loading
August 15
Depart IOS
August 16
LB08 48° 25.300 126° 28.650 140 Rosette
A1-57 48° 32.308 126° 11.714 500 CTD + Mooring Search + Deployment + Drifters
LAP1 48° 23.000 126° 48.500 140 CTD + Mooring Recovery
August 17
EF04 49° 3.860 125° 9.097 105 CTD + Mooring Recovery and Deployment
EF13-EF01 Rosettes galore
August 18
Estevan 49° 5.960' 126° 34.430 100 CTD + Mooring Deployment
E01-56 49° 17.317 126° 36.212 102 CTD + Mooring Recovery and Deployment
Cook1-A 49° 37.850 126° 36.350 161 CTD + Mooring Recovery
ESP2-A 49° 52.025 126° 51.000 232 CTD + Mooring Recovery
ESP3-A 49° 47.400 127° 27.600 80 CTD + Mooring Recovery
August 19
BP1-56 50° 3.559 -127° 53.487 100 CTD + Mooring Recovery + Deployment + Drifters
Brooks 50° 13.980 -128° 02.700 85 CTD + Mooring Deployment
SCT5 50° 40.30' 128 52.90' Drifters (1 SCT+1 Osker)
Scott1-B 50° 47.497' 128 48.09' CTD + Mooring Recovery + Deployment
CS05 50° 55.98' 129° 00.00' CTD + Drifters (2 SCT)
August 20
CI6 51° 2.00 -129° 38.00 817 Rosette+
CI7 50° 46.4° -129 48.5 1565 CTD + Bongo
CI8 50° 53.3' -129° 52.3' 2070 Rosette+
Scott 2-B CTD + Mooring Recovery + Deployment
HAK1-B 51° 42.718' -128° 14.65' 140 CTD + Mooring Recovery + Deployment
August 21

MS3 51° 48.77' 129° 41.32' CTD
MS4 51° 41.50' 129° 57.43' Rosette+
Middle 52° 02.22 129° 50.45' CTD
SRC1-B 52° 15.000 129° 41.000 210 CTD +Mooring Recovery +Deployment +Drifters
MT08 52° 31.075 130° 11.979' 266 Rosette + Bongo
Juan1-A 52° 31.075 131° 23.800' 364 Mooring Recovery + CTD + Deployment
August 22
JPS5 52° 31.4'N 131° 18.72' 232 CTD
JPS4 52° 30.91'N 131° 23.25' 322 Rosette+ + Bongo
JPS1 52° 36.285'N 131° 40.170' 143 Rosette+ + Bongo
JPS2 52° 34.99'N 131° 37.28' 238 CTD
JPS3 52° 33.24'N 131° 29.88' 320 CTD
JPS6 52° 32.10'N 131° 10.68' 174 CTD
JPS7 52° 33.90'N 131° 05.88' 120 Rosette+ + Bongo
MT07 52° 25.723 130° 13.954' 325 CTD
MT06 52° 34.075 130° 06.120' 269 CTD
MT05 52° 40.55' 129° 59.23' 260 Rosette
MT04 52° 49.145' 130° 01.29' 256 CTD
MT03 52° 55.55' 130° 07.91' 238 CTD
MT02 53° 01.84' 130° 14.71' 221 CTD
SRN1-A 53° 06.50' 130° 23.00' 200 Mooring Recovery +Rosette +Deployment +Drifters
W007 53° 23.53' 130° 40.88' 192 m CTD
HECS1 53° 06.50' 130° 45.45' 187 CTD
August 22
HECS2
HECS3
HECS4
HECS5
HECS6
HECS7
HECS8
DIX1
CHAT2-A
CHAT2-A
CH18
CH19
August 24
CH21
CH24
CH25
CH23
PRHR74
CH26
CH27
CH31
OGCH46
OGCH50
MP55

CH28

AD03

AD02

AD01

CH8

CH7

CH6

CH11

August 25

CH12

CH17

CH16

CH15

CH14

CH13

CH10

CH4

CH5

CH2

CH1

PORT5

PORT4

PORT3

PORT1

AA8 252 Rosette + Bongo

AA8.5 42 CTD

AA9 82 CTD

AA10 115 CTD

AA11 64 CTD

August 26

HA14 185 Rosette

OI17 155 CTD

HAW15 146 CTD

HAW14 181 Rosette + Bongo

OI20 495 Rosette

OI23 460 CTD

OI33 425 CTD + Bongo

Pearse1 210 Rosette + Bongo

Pearse2 108 CTD

Pearse3 160 CTD

Pearse4 90 CTD

Pearse5 61 CTD

Pearse6 189 Rosette + Bongo

TP0 134 CTD

TP1.5 70 CTD

AB1 170 CTD

AB8 200 CTD

CH3 514 Rosette

EDR 336 CTD

WDR 410 CTD

August 27

CLS1 344 CTD

D01 300 CTD

DIX3 360 Rosette + Bongo

MA03 100 CTD

MA02 100 CTD

DIX2 250 Rosette + Bongo

46183 Drifters (near ODAS buoy, for CODAR calibration)

SDR Drifters (south of line between CODAR stations for CODAR calibration)

August 28

HSI O18 samples from Hot Springs Island

JPS4

JPN1

JPN2

JPN3

JPN4

JPC1

JPC2

LSK1

LSK2

LSK3

LSK4

LI1

LI2

August 29

MT09

MT10

MT11

MS8

MS7

MS6

MS5

CI4

CS9

August 30

CPE1

Port Hardy - fueling

August 31

SOGN2-E Rosette + Mooring Recovery + Mooring deployment

North Ajax 49° 43.910' 124° 46.536'- CTD and Viking buoy deployment

September 1

IOS- offload

Scientific Equipment Report

The seawater pump for the loop and TSG was replaced during the cruise.

Radioisotope Report

[Not Entered]

Scientific Successes and Concerns

[Not Entered]

Platform Successes and Concerns

The John P. Tully is well suited to our program.

The internet connectivity on board the Tully was nothing short of appalling. It was only very late in the cruise that we were informed that the ONC dome was available and just required Lucius Perreault to configure it. Once this was done, things improved considerably.

Safety Concerns

None

Hazardous Occurrences

None

Other Comments

Captan Reid and the crew of the Tully were an absolute pleasure to work with. They did everything that they could to ensure that our program was a success.

Images

[No Alternative Image Provided]

Image notes:

