

DAILY SCIENCE LOG BOOK

CRUISE
MISSION
NUMBER

2017-09

DATE:

From:

10 SEP 2017

To:

11 SEP 2017

VESSEL:

JP Tully

PROJECT(S):

L2 Perouse

Water Properties Group
Fisheries and Oceans Canada
Institute of Ocean Sciences
Ocean Sciences Division
North Saanich, BC, Canada

Book 2012

WaterProperties.ca

Captain: David Gibson First Officer: Ryan Hull
Second Officer: Christopher Semme Third Officer: Karlton Scuer
Fishing Master: _____ Chief Engineer: Roger Horton

Mission Participants / Agencies:

Def. Tol: URC, UVEC

**** Chief Scientist to complete section below OR cut and tape from cruise plan ****

1st Leg Scientific Personnel: Chief Scientist: *Maxie Collier* OG-12 A

Name	Watch	Cabin	Name	Watch	Cabin
MICHA GALBRAITH	12-24	UP	DANIELLE CALIB	08-12	H
HIGLEY MARGARET	08-12	B	CEVIN McKEE	12-18	H
TAMARA FRASER	08-1	C	MARK BELTON	12-24	11
TAN PERRY	12-24	D			
LUKE HALPERN	BELTON	D			
TIKRESA VENUELO	12-18	E			
CHEN ZENG	18-24	E			
KELLY YOUNG	08-12	F			
ROBERT TIZET	06-12	G			
MATT MILLER	08-06	G			

2nd Leg Scientific Personnel: Chief Scientist:

[illegible]

**** The following 3 pages are VERY IMPORTANT as they document equipment and settings used on board ****

These pages are to be completed by the CTD Technician setting up the equipment, the Watch Leader on board, and the Chief Scientist MUST verify that all relevant sections are completed prior to leaving the vessel. Any mid-cruise changes to be noted by watch leader in the notes.

Data logging computer: TOLLY LAPP

Data acquisition program: SEANUC V7.26.7.107

CTD deck unit make: SE model: 11+ serial number: 0425

Primary CTD

Make: SE model: 9+ serial number: 550

Primary temperature serial number: 4054

Primary conductivity serial number: 1766

Secondary temperature serial number: 4484

Secondary conductivity serial number: 3531

Transmissometer: WET LABS Model: CS7AR s/n: 1396 DR

Transmissometer: Model: Model: s/n: s/n:

Fluorometer: Model SEABENT Cable gain: 3x s/n: 3685 P S or NO pump?

Fluorometer: Model Cable gain: s/n: P, S or NO pump?

Oxygen sensor: SE Model: 43 s/n: 1119 P S or NO pump?

PAR sensor: BIOPHOTONIC Model: QCP235G s/n: 70613 Surface PAR? Y / N

Other sensors: ACQUINER s/n: 62355 P, S or NO pump?

Other sensors: s/n: P, S or NO pump?

Other sensors: s/n: P, S or NO pump?

Other sensors: s/n: P, S or NO pump?

Secondary CTD

Make: model: serial number:

Primary temperature serial number:

Primary conductivity serial number:

Secondary temperature serial number:

Secondary conductivity serial number:

Transmissometer: Model: s/n:

Transmissometer: Model: s/n:

Fluorometer: Model Cable gain: s/n: P, S or NO pump?

Fluorometer: Model Cable gain: s/n: P, S or NO pump?

Oxygen sensor: Model: s/n: P, S or NO pump?

PAR sensor: Model: s/n: Surface PAR? Y / N

Other sensors: s/n: P, S or NO pump?

Other sensors: s/n: P, S or NO pump?

Other sensors: s/n: P, S or NO pump?

Other sensors: s/n: P, S or NO pump?

CTD calibration bottle location (height above CTD in metres):

This also includes the bottle location above the CTD on non-rosette casts (e.g., W.E. Ricker)

Rosette Setup:

Number of bottles: 24
Manufacturer: DS
Volume of bottles (litres): 10 L

Winches:

1. Make: _____ Model: _____ Serial #: _____ Used for: _____
2. Make: _____ Model: _____ Serial #: _____ Used for: _____
3. Make: _____ Model: _____ Serial #: _____ Used for: _____

Comments on performance during cruise (comments should also be reflected in the post-cruise report):

Salinometer:

Make: _____ Model: _____ Serial Number: _____
Comments on performance during cruise (comments should also be reflected in the post-cruise report):

Oxygen Kit(s):

Make: _____ Model: _____ Kit Number: _____
Make: _____ Model: _____ Kit Number: _____
Comments on performance during cruise (comments should also be reflected in the post-cruise report):

Thermosalinograph System (SBE21):

Program: SEAVIEW Version: 7.23.2
Sampling interval (seconds): 30
Fluorometer sensor serial number: 61538-953P

Comments on performance during cruise (comments should also be reflected in the post-cruise report):

ADCP Setup:

Computer time zone: _____ User Exits: Name: _____ Exit points: _____
Sampling interval (sec): _____ Name: _____ Exit points: _____
Bin Length: (2^x): _____ Name: _____ Exit points: _____
Pulse Length: _____ Work File: _____
Buffer (bytes): _____
Gyro Offset: _____

Comments on performance during cruise (comments should also be reflected in the post-cruise report):

CTD Test Cast Information

Test Cast along side? Yes ☐ No ☐

Comments _____

Test Cast in Saanich Inlet or other location? Yes ☐ No ☐

Comments _____

CTD pressure reading on deck (db), before cast: _____ after cast: _____

Pumps working? Yes ☐ (0011) No ☐ (0010)

Secondary Temp – Primary Temp: _____
(Average from the mixed region)

Secondary Salinity – Primary Salinity: _____
(Average from the mixed region)

Additional Comments:

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Month <u>SEPTEMBER</u>				Year <u>2017</u>		Vessel <u>JP TULLY</u>		Cruise ID <u>2017-09</u>							
Event Number	Station Name	Day	Time (UTC)	Time Code	Event Type	Firing Method	Positional Latitude	Information Longitude	Bottom Depth	Max Pressure	Sample Serial Numbers	# of Bottles	Watch Keepers	Trns/FI Cleaned	Comments
221	40	11	08:16	BE	ROS	U.S.	49° 08. 53	123° 36. 80	156		511 - 513	3	H.M.	☒	
			08:19	BO			49° 08. 53	123° 36. 77		153	-			☐	
			08:24	EN			49° 08. 52	123° 36. 74			-			☐	
222	40	11	08:29	BE	NET		49° 08. 52	123° 36. 71	158		-	-	K.Y.	☐	BONGO
			08:34	BO			49° 08. 54	123° 36. 72		153	-			☐	
			08:36	EN			49° 08. 55	123° 36. 72			-			☐	
223	38	11	09:25	BE	ROS	U.S.	49° 12. 03	123° 26. 36	303		514 - 516	3	H.M.	☒	
			09:31	BO			49° 12. 04	123° 26. 31		298	-			☐	
			09:39	EN			49° 12. 07	123° 26. 25			-			☐	
224	38	11	09:42	BE	NET	-	49° 12. 08	123° 26. 26	303		-	-	K.Y.	☐	BONGO
			09:52	BO			49° 12. 08	123° 26. 22		294	-			☐	
			09:57	EN			49° 12. 10	123° 26. 20			-			☐	
225	38	11	09:58	DE	DRF	-	49° 12. 12	123° 26. 20	303		-	-	H.M.	☐	SB = 747
226	41	11	10:52	BE	ROS	U.S.	49° 03. 24	123° 22. 39	243		517 - 527	11	H.M.	☒	
			10:56	BO			49° 03. 23	123° 22. 36		233	-			☐	
			11:10	EN			49° 03. 20	123° 22. 33			-			☐	
227	41	11	11:13	BE	NET	-	49° 03. 19	123° 22. 29	236		-	-	K.Y.	☐	BONGO
			11:17	BO			49° 03. 17	123° 22. 27		226	-			☐	
			11:21	EN			49° 03. 19	123° 22. 25			-			☐	

Event Type:

BOT = Bottle cast (no CTD)
 CTD = Standalone CTD
 ROS = CTD in Rosette
 SET = Fish Set

LOOP = Sea Water Loop

MOR = Mooring
 NET = Plankton Net Haul
 DRF = Drifter

Bottle Firing Method:

US = Up / Stop (default)
 UN = Up / No stop
 DN = Down / No stop

Notes:

Time Code:

BE = Beginning Time of Cast
 BO = Bottom Time of Cast
 EN = End Time of Cast

CTD Transmissometer and Fluorometer to be cleaned before each cast -- do not use Ammonia products

DE = Deployment Time
 MR = Messenger Release Time
 RE = Recover Mooring Time

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Event Type:

Deployment Type:
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