

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station: S103

Event #: 1

Ship: JP Tully

UTC Date (dd-mm-yyyy):

1 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed ☒ Pressure	Nut-F	RNA	DNA	FISH	FLAPS	SAG	All Samples		Save sheet after printing labels: YES	
1	1	1	200	☒ 200	x	x	x	x		x			R5 ALOXIC	
2	2	2	185	☒ 185	x	x	x	x		x			R4 ALOXIC	
3	3	3	165	☒ 165	x	x	x	x		x			R3 ALOXIC	
4	4	4	150	☒ 150	x	x	x	x		x			R2 ALOXIC	
5	5	5	135	☒ 135	x	x	x	x		x			R1	
6	6	6	120	☒ 120	x	x	x	x		x				
7	7	7	110	☒ 110	x	x	x	x		x				
8	8	8	100	☒ 100	x	x	x	x		x				
9	9	9	97	☒ 97	x	x	x	x		x				
10	10	10	90	☒ 90	x	x	x	x		x				
11	11	11	80	☒ 80	xx	x	x	x		x				
12	12	12	75	☒ 75	x	x	x	x		x				
13	13	13	60	☒ 60	x	x	x	x		x			DUAL PHYTO	
14	14	14	40	☒ 40	x	x	x	x		x			PEAKS 1 ABOVE	
15	15	15	20	☒ 20	x	x	x	x		x			PHACOCYANE 1 BELOW	
16	16	16	10	☒ 10	x	x	x	x		x				
17	17	17	10	☒ 10					X					
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): MJ3

Bottom Depth: 225

Trans Clean: ☒ Y / N Fl. Clean: Y / N

Par Status: ☒ On / ☐ Off

Time UTC Local

Start 19 11 12

Bottom 19 15

End 19 34

Positional Information

Lat: 48 ° 38' 49" N

Lon: 123 ° 30' 38" W

Bottom

Lat: 48 ° 38' 50.6" N

Lon: 123 ° 30' 32.5" W

End

Lat: 48 ° 38' 47.8" N

Lon: 123 ° 30' 31.9" W

Extra comments:

30 sec Soek

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

Station:

Har059

Event #:

3

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

01 05 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All Samples		Comments
			Target Pressure	Confirmed Pressure	PLN Oxy	M R M B Nut-F	DIC	HPLC	R M Chl	R Lugol's	R DA	R Biotox			
15	1	18	Bot-5	✓ 226	x	x	x	x							
14	2	19	200	✓ 201	xx	x	x	x							
13	3	20	150	✓ 150	x	x	xx								
12	4	21	100	✓ 101	x	x	x								
11	5	22	75	✓ 76	x	xx	x								
6	6	23	50	✓ 50	x	x	x		x						
7	7	24	30	✓ 30	x	x	xx		x						
8	8	25	20	✓ 21	xx	x	x		xx						
9	9	26	10	✓ 10	x	x	x		x						
10	10	27	5	✓ 5	x	x	x		x						
11	11	28	0	✓ 15	x	x	x								
12	12	29	0	✓ 1.5				xx	x	x	x	xx			Biotox: 2 labels, 1 sample
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:	ROS	ROS
Watchkeeper(s):	Wg	

Bottom Depth:	230		
Trans Clean:	Y / N	Fl. Clean:	Y / N
Par Status:	On / Off		
Time	UTC	Local	
Start	2353	1053	
Bottom	2358		
End	0022		

Positional Information

Lat:	48 °	36.83	N
Lon:	123 °	14.83	W
Lat:	48 °	36.81	N
Lon:	123 °	14.82	W
Lat:	48 °	36.79	N
Lon:	123 °	14.82	W

Extra comments:

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station:

69

Event #:

6

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

02 05 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:				Comments Save sheet after printing labels
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	DIC	HPLC	chl	Lugol's	DA	Biotox	All_Samples	
1		30	Bot-5	✓ 170		x								
2		31	150	✓ 150		xx								
3		32	125	✓ 125		x								
4		33	100	✓ 100		x								
5		34	75	✓ 75		x								
6		35	50	✓ 50		x								
7		36	40	✓ 41		xx								
8		37	30	✓ 30		x								
9		38	20	✓ 20		x			x					
10		39	10	✓ 10		x			x					
11		40	5	✓ 6		x			xx					
12		41	0	✓ 1.4		x		xx	x					
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): M6

Bottom Depth: 178

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time

UTC

Local

Start

0422

2122

Bottom

0426

End

0451

Positional Information

Lat: 48 ° 15.63 N

Lon: 123 ° 43.22 W

Bottom

Lat: 48 ° 15.635 N

Lon: 123 ° 43.22 W

End

Lat: 48 ° 15.616 N

Lon: 123 ° 43.224 W

Extra comments:

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station: JF2

Event #: 7

Ship: JP Tully

UTC Date (dd-mm-yyyy): 02 05 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	DIC	HPLC	Chl	Lugol's	DA	Biotox	All Samples	Save sheet after printing labels:	YES
1	1	42	Bot-5	✓ 178	x	x	x								
2	2	43	150	✓ 150	x	x	x								
3	3	44	125	✓ 126	xx	x	x								
4	4	45	100	✓ 100	x	x	x								
5	5	46	80	✓ 81	x	xx	x								
6	6	47	60	✓ 61	x	x	xx								
7	7	48	50	✓ 50	xx	x	x		x						
8	8	49	40	✓ 42	x	x	x		x						
9	9	50	30	✓ 31	x	x	x		x						
10	10	51	20	✓ 20	x	x	x		x						
11	11	52	10	✓ 10	x	x	xx		xx						
12	12	53	5	✓ 5	x	x	x		x						
13	13	54	0	✓ 1.6	x	x	x	data	data	data	data				
14	14	55	0	✓ 1.6				xx	data	data	data	data			
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth: 187

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 0622 2322

Bottom 0627

End 0652

Positional Information

Lat: 48 ° 17.97 N

Lon: 123 ° 59.95 W

Bottom

Lat: 48 ° 17.95 N

Lon: 123 ° 59.898 W

End

Lat: 48 ° 17 580 N

Lon: 123 ° 59 873 W

Extra comments:

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066 Station: JF2 tm Event #: 9 Ship: JP Tully UTC Date (dd-mm-yyyy): May 2, 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All Samples		Comments Save sheet after printing labels YES
			Target Pressure	Confirmed Pressure	Me-T	Nut-F	SAL	HPLC	Chl	Lugol's	DA	Biotox			
9		56	165		xx										
8		57	140		xx										
7		58	120		xx										
5		59	100		xx										
4		60	80		xx										
2		61	40		xx										
1		62	15		xx										
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ~~ROS~~ ^{GO} _{PO}

Watchkeeper(s): R.D

Bottom Depth: 188

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	07:45	0045
Bottom	08:14	
End	08:35	

Positional Information

Lat: 48 ° 17 940 N

Lon: 123 ° 59 758 W

Bottom

Lat: 48 ° 17 886 N

Lon: 123 ° 59 587 W

End

Lat: 44 ° 17 886 N

Lon: 123 ° 59 588 W

Extra comments:

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station: 75

Event #: 10

Ship: JP Tully

UTC Date (dd-mm-yyyy):

2 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All Samples		Comments
			Target Pressure	Confirmed Pressure	Oxy	Nut-F	SAL	HPLC	Chl	Lugol's	DA	Biotox			Save sheet after printing labels: YES
1	1	63	Bot-5	✓ 25		x									
2	2	64	200	✓ 200		xx	x								
3	3	65	175	✓ 175		x	x								
4	4	66	150	✓ 150		x									
5	5	67	125	✓ 125		x									
6	6	68	100	✓ 100		x									
7	7	69	75	✓ 75		xx									
8	8	70	50	✓ 50		x									
9	9	71	40	✓ 40		x									
10	10	72	30	✓ 30		x									
11	11	73	20	✓ 20		x			x						
12	12	74	10	✓ 10		x			xx						
13	13	75	5	✓ 5		x			x						
14	14	76	0	✓ 22		x		xx	x						FL: 25
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:	ROS
Watchkeeper(s):	MS

Bottom Depth:	220	
Trans Clean:	Y / N Fl. Clean:	X / N
Par Status:	On / Off	

Time		Local	
Start	1120	0420	
Bottom	1124		
End	1144		

Positional Information

Lat:	48 ° 28	208	N
Lon:	124 ° 32	788	W

Bottom

Lat:	48 ° 28	219	N
Lon:	124 ° 32	803	W

End

Lat:	48 ° 28	210	N
Lon:	124 ° 32	772	W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station: P1

Event #: 12

Ship: JP Tully

UTC Date (dd-mm-yyyy):

2x MA/ 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:				Comments
			Target Pressure	Confirmed Pressure	OXY	SAL	Nut-F	Nut-C	CHL	HPLC	DIC	UBC	3H	Sta Iso	Iodine	
1	1	77	Bot-10	✓ 101	xx		x				x					
2	2	78	30	✓ 30	x		x				xx					
3	3	79	5	✓ 5	x		x		x	xx	x					FL: 4.7
4	4	80	5	✓ 5								xx	x	x		
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): MRS

Bottom Depth:

Trans Clean: Y Y N Fl. Clean: X Y I N

Par Status: On / Off

Time

UTC

Local

Start

16 02

0902

Bottom

16 04

End

16 11

Positional Information

Lat: 48 ° 34 556 N

Lon: 125 ° 29 806 W

Lat: 48 ° 34 556 N

Lon: 125 ° 29 806 W

Lat: 48 ° 34 540 N

Lon: 125 ° 29 846 W

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P2

Event #:

13

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

2 May 2023

Niskin #	Firing #	Sample #	Confirmed		Save sheet after printing labels:										
			Target Pressure	✓ Pressure	W-L	W-X	W-A	B-Y	B-Z	AV	Lugol's	DA	Biotox	YES	
					DMS	DMSp-d	DMSp-t	Nut-F	CHL	HPIC					

1	1	81	100	✓ 100	x	x	x	x	x	x				
2	2	82	75	✓ 75	x				x	x				
3	3	83	50	✓ 50	x				x	x				
4	4	84	40	✓ 40	x				x	xx				
5	5	85	30	✓ 30	x				xx	x	xx			
6	6	86	25	✓ 25	x				x	x	xx			
7	7	87	20	✓ 20	xx	xx	xx	x	x	x	xx			
8	8	88	15	✓ 15	x				x	x	xx			
9	9	89	10	✓ 10	x				x	x	xx			
10	10	90	5	✓ 5	x	x	x	x	x	x				
11	11	91	5	✓ 5						xx	x	x	xx	
12	12	92	0	✓ 1.9	x	x	x	x	xx					Biotox: 1 sample 2 labels
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 117

Trans Clean: Y N Fl. Clean: X / N

Par Status: On / Off

Time

UTC

Local

Start

18 34

11 34

Bottom

18 37

End

18 55

Positional Information

Lat: 48 ° 36 052 N

Lon: 125 ° 59 973 W

Bottom

Lat: 48 ° 36 060 N

Lon: 125 ° 59 994 W

End

Lat: 48 ° 36 079 N

Lon: 125 ° 59 957 W

Extra comments:

DMS

REMEMBER TO ADD END LAT LONG TIME TO LOG

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P2

Event #:

17

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

02 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				All Samples				Comments	
			Target Pressure	Confirmed Pressure	nv/ox	OXY	SAL	Nut-F	Nut-C	PO4(Si)	DIC	DOC	CDOM	TOC	UBC	3H		Sta Iso
1		93	Bot-10	✓	108	x		x		x	x	x	x					
2		94	100	✓	100	x		xx		x	x	x	x					
3		95	75	✓	75	x		x		x	x	x	x					
4		96	75	✓	75	x		x		x	x	x	x					
5		97	50	✓	50	x		x		x	xx	xx	xx					
6		98	25	✓	27	xx		x		x	x	x	x					
7		99	10	✓	10	x		x		xx	x	x	x					
8		100	5	✓	5	x		x		x	x	x	x					
9		101	5	✓	3									xx	x	x		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Save sheet after printing labels: YES

Profile type: ROS

Watchkeeper(s): MR

Bottom Depth: 117

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time

UTC

Local

Start

1941

1242

Bottom

1945

End

1957

Positional Information

Lat: 48° 36.19 N

Lon: 125° 59.96 W

Bottom

Lat: 48° 36.22 N

Lon: 126° 00.00 W

End

Lat: 48° 36.27 N

Lon: 125° 59.98 W

Extra comments:

Deep

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P3

Event #:

18

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

02 05 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All Samples		Comments
			Target Pressure	Confirmed ✓ Pressure	Nu-F	CHL	HPLC	SAL	UBC	3H	Sta Iso	Iodine			
1		102	5	✓ 5	x	x	xx								
2		103	5	✓ 5						xx	x	x			
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS

Watchkeeper(s): RLG

Bottom Depth: 7

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time

UTC

Local

Start

2147

1447

Bottom

2202

End

2219

Positional Information

Lat: 48 ° 37.47 N

Lon: 126 ° 19.91 W

Bottom

Lat: 48 ° 37.49 N

Lon: 126 ° 19.86 W

End

Lat: 48 ° 37.52 N

Lon: 126 ° 19.88 W

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Page 1 of 2

Cruise ID:

2023-066

Station:

P4

Event #:

19

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

03-05-23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:						Comments	
			Target Pressure	Confirmed Pressure	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA		
1	1	104	600	✓	600	x	x	x	x									
2	2	105	300	✓	300													xx
3	3	106	200	✓	200	x	x	x	x					x				xx
4	4	107	150	✓	150	x	x	x	x									
5	5	108	100	✓	100	x			x	x								xx
6	6	109	75	✓	75	x			xx	x								
7	8	110	60	✓	60				x	x	xx							xx
8	9	111	50	✓	50	x			x	x	xx							
9	11	112	40	✓	40	x			x	x	xx							xx
10	13	113	30	✓	30	x	x	x	x	x	xx							
11	14	114	25	✓	25	x			x	xx								xx
12	15	115	20	✓	20	xx	xx	xx	x	x								
13	16	116	15	✓	15	x			x	x	xx							xx
14	17	117	10	✓	10	x			x	x								
15	18	118	5	✓	5	x	x	x	x									xx
16	19	119	5	✓	5				x	x	xx				x	x	x	Biotox: 1 sample 2 labels
17	21	120	0	✓	2	x	x	x	x	xx								
18	10	121	1%	✓	50								x					
19	12	122	Chi Max	✓	40								x					
20	7	123	TBD	✓	75									x				
21	20	124	5	✓	5									x				
22																		
23																		
24																		

Version: 01-Dec-22

1 2 3 4 5 6-20 7 8-18 9 19 16 11 12 13 14 15-16-21 17

Profile type: ROS
Watchkeeper(s): MS / MR

Bottom Depth: 1320
Trans Clean: Y / N Fl. Clean: Y / N
Par Status: On / Off

Time UTC Local
Start 7 0004 1704
Bottom 1 0020 1720
End 0054

Positional Information 44
Lat: 48 ° 38.49 N
Lon: 126 ° 39.98 W

Bottom
Lat: 48 ° 38.94 N
Lon: 126 ° 39.95 W

End
Lat: 48 ° 38.95 N
Lon: 126 ° 39.93 W

Extra comments:
DMS
OUT-OF-ORDER! NOTE: this cast has TWO sampling logs. Use same sample and event number on the other sheet

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P4

Event #:

19

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

63.05.23

PAGE 2052

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		Comments	
			Target Pressure	Confirmed ☒ Pressure	Sta	Iso	Iodine		All Samples		Save sheet after printing labels.	
1		104	600									
2		105	300			X	X					
3		106	200			X	X					
4		107	150									
5		108	100			X	X					
6		109	75									
7		110	60			X	X					
8		111	50									
9		112	40			X	X					
10		113	30									
11		114	25			X	X					
12		115	20									
13		116	15			X	X					
14		117	10									
15		118	5			X	X					
16		119	5									
17		120	0									
18		121	1%									
19		122	Chl Max									
20		123	TBD									
21		124	5									
22												
23												
24												

Profile type:	ROS
Watchkeeper(s):	MG/MR

Bottom Depth:	1320
Trans Clean:	Y / N Fl. Clean: Y / N
Par Status:	On / Off

Time		UTC	Local
Start		0004	1704
Bottom		~0020	
End		0054	

Positional Information

Lat:	48° 38.94	N
Lon:	126° 39.98	W

Bottom

Lat:	48° 38.94	N
Lon:	126° 39.95	W

End

Lat:	48° 38.95	N
Lon:	126° 39.93	W

Extra comments:

DMS (2)

OUT-OF-ORDER! NOTE: this is a continuation of the P4 DMS sheet so please use SAME SAMPLE NUMBERS AND SAME EVENT NUMBER

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P4

Event #:

22

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

03-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initiale / Samples Taken				Sample Lists:				Comments	
			Target Pressure	Confirmed ☒	Pressure	IOS Me-d	IOS Me-T	IOS Lig	UBC dMeFit	Nut-F	Nut-C	Sal	All Samples	Save sheet after printing labels: YES

r5		125	100			x	x	xxx	xx	x		x		
r4		126	75			x	x		xx					
r3		127	50			x	x	xxx	xx					
2		128	35			x	x	xxx	xx					
r1		129	10			x	x	xxx	xx					
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: 50-Pos RO2

Watchkeeper(s): DC

Bottom Depth: 1325

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 03:18

Bottom 03:50

End 04:08

Positional Information

Lat: 49 ° 28 935 N

Lon: 126 ° 40 010 W

Bottom

Lat: 48 ° 38 935 N

Lon: 126 ° 40 010 W

End

Lat: 48 ° 38 931 N

Lon: 126 ° 40 021 W

Extra comments:

TMSshallow

Water Properties Group

Program
STN List:

All Sims

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

Station:

Event #:

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

03 05 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists:										All Samples										Comments			
			Target Pressure	Confirmed Pressure	M	OXY	SAL	Nut-F	Nut-C	DIC	DOC	CDOM	TOC	ONAr	Fish	SAG	DNA	POC	Save sheet after printing labels: YES																			

1		130	Bot-10	1323	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2		131	1250	✓ 1250	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3		132	1250	✓ 1250	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4		133	1000	✓ 1000	X	XX	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5		134	800	✓ 801	X	X	XX	XX	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6		135	600	✓ 600	XX		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7		136	400	✓ 400	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8		137	300	✓ 300	X		X	X			XX	X	X	X	X	X	X	X	X	X	X	X	X	X	
9		138	250	✓ 250	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10		139	200	✓ 200	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11		140	175	✓ 176	XX		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12		141	150	✓ 149	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13		142	125	✓ 125	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14		143	100	✓ 100	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15		144	75	✓ 76	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16		145	50	✓ 51	XX		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17		146	25	✓ 26	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18		147	10	✓ 10	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19		148	10	✓ 10																					
20		149	10	✓ 10	X		X	X			X	XX	XX	XX	XX										
21		150	5	✓ 5																					
22																									
23																									
24																									

Profile type:	ROS
Watchkeeper(s):	MG

Bottom Depth:	7
Trans Clean:	Y / N
Fl. Clean:	Y / N
Par Status:	On / Off

Time	UTC	Local
Start	0420	2120
Bottom	0441	
End	0536	

Positional Information

Lat:	48 °	38.95	N
Lon:	126 °	46.06	W

Lat:	48 °	38.98	N
Lon:	126 °	40.05	W

Lat:	48 °	38.99	N
Lon:	126 °	40.13	W

Extra comments:

Deep

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P4

Event #:

24

Ship:

JP Tully

UTC Date (dd mm yyyy):

03-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	IOS Me-d	IOS Me-T	IOS Lig	UBC dMeFill	Nut-F	Nut-C	Sal	All Samples	Save sheet after printing labels: YES

r5		151	800			xx	xx		xx	x	x		
r4		152	600			x	x	xx					
r3		153	400			x	x	xx					
2		154	200			x	x	xx					
r1		155	150			x	x	xx					
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type:

Geo-Phys

Free

Watchkeeper(s):

DC

Bottom Depth:

1331

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start

05:50

2250

Bottom

06:27

End

07:06

Positional Information

Lat:

48 ° 38.925

 N

Lon:

126 ° 40 07L

 W

Bottom

Lat:

48 ° 38 97L

 N

Lon:

12L 40 123

 W

End

Lat:

48 ° 38 94

 N

Lon:

126 ° 40 17

 W

Extra comments:

TMDep

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station:

P5

Event #:

26

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

2 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		All_Samples		Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	SAL	ONAr	3H	Sta Iso	Iodine		
1	1	156	5	✓ 5	x	xx	xx	x		xx	x	x		
2	2	157	5						X					
3		5026	Loop		x	xx	xx	x						
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth:

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0947	0247
Bottom	1023	
End	1058	

Positional Information

Lat: 48 ° 41 490 N

Lon: 127 ° 9 890 W

Bottom

Lat: 48 ° 41 480 N

Lon: 127 ° 9 980 W

End

Lat: 48 ° 41 286 N

Lon: 127 ° 10 055 W

Extra comments:

+loops

Cruise ID: 2023-066

Station: P6

Event #: 27

Ship: JP Tully

UTC Date (dd-mm-yyyy): 03 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:			Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	SAL	ONAr	3H	Sta Iso	Iodine	All Samples	Save sheet after printing labels: YES
1	1	158	5	✓ 5	x	xx	xx			xx	x	x		
2	2	159	5						X					
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): ML/MB

Bottom Depth: 2121

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time		UTC		Local	
Start		13	37	06	37
Bottom		14	12		
End		14	43		

Positional Information

Lat: 48 ° 44 560 N

Lon: 127 ° 40 016 W

Bottom

Lat: 48 ° 44 560 N

Lon: 127 ° 39 980 W

End

Lat: 48 ° 44 550 N

Lon: 127 ° 40 050 W

Extra comments:

Cruise ID: 2023-066

Station: P7

Event #: 28

Ship: JP Tully

UTC Date (dd-mm-yyyy): 3 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:			Comments	
			Target Pressure	Confirmed ☒ Pressure	Nut-F	CHL	HPLC	SAL	ONAr	3H	Sta Iso	Iodine	All Samples	Save sheet after printing labels: YES
1	1	160	5	☒	x	xx	xx	x		xx	x	x		
2	2	161	5	☒					X					
3		5028	Loop		x	xx	xx	x						
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 2506

Trans Clean: ☒ Y / N Fl. Clean: ☒ X / N

Par Status: ☒ On / ☐ Off

Time

UTC

Local

Start

17 09

10 09

Bottom

17 41

End

18 13

Positional Information

Start

Lat: 48 ° 46

580 N

Lon: 128 ° 10

050 W

Bottom

Lat: 48 ° 46

630 N

Lon: 128 ° 10

120 W

End

Lat: 48 ° 46

550 N

Lon: 128 ° 10

100 W

Extra comments:

+ loops

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P8

Event #:

30

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

03.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists:						Comments					
			Target Pressure	Confirmed Pressure	M/M	B/B	B/A	B/M	B/N	CHL	HP/LC	DOC	CDOM	Rib	3H	Sta Iso	Iodine	Trans	Save sheet after printing labels:							
1		162	2000	✓ 2000	X	XX	X	X	X			-X	X	X	X											
2		163	1500	✓ 1500	XX	X	X	X	X			X	X													
3		164	1250	✓ 1249	X	X	XX	XX	XX			X	X	X												
4		165	1000	✓ 1001	X	X	X	X	X			X	X	X	X	X										
5		166	800	✓ 800	X	XX	X	X	X			X	X													
6		167	600	✓ 600	X		X	X	X			X	X	X	X											
7		168	400	✓ 399	X		X	X	X			X	X	X	X	X										
8		169	300	✓ 300	X		X					X	X	X	X											
9		170	250	✓ 250	XX		X					X	X	X	X											
10		171	200	✓ 201	X		X					X	X	X	X	X										
11		172	150	✓ 150	X		X					X	X	X												
12		173	125	✓ 125	XX			X				X	X	X	X											
13		174	100	✓ 99	X		X			X		X	X	X	X	X										
14		175	75	✓ 76	X		X			X		X														
15		176	60	✓ 61	X		X			X		X	XX	X	X											
16		177	50	✓ 51	X		X			X		X	XX	X	X	X										
17		178	40	✓ 40	X		XX			X		X	XX	X	X											
18		179	30	✓ 30	XX		X			X		X	XX	X	X											
19		180	25	✓ 25	X		X			XX		X	X	X												
20		181	20	✓ 20	X		X			X		XX	XX													
21		182	15	✓ 15	X		X			X		X	XX	X	X											
22		183	10	✓ 10	X		X			XX		X	X													
23		184	5	✓ 5	X		X					X	X			XX	X	X								
24		185	5	✓ 5						X		XX		X					X							
																					ONAr here					
																					DCM @ ~50m					

Profile type: ROS

Watchkeeper(s): MCY

Bottom Depth: 2519

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 2044 1344

Bottom 2121

End 2233

Positional Information

Lat: 48 ° 48 98 N

Lon: 128 ° 40.09 W

Bottom

Lat: 48 ° 48.96 N

Lon: 128 ° 40.11 W

End

Lat: 48 ° 48.97 N

Lon: 128 ° 39.99 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station: P9

Event #: 33

Ship: JP Tully

UTC Date (dd-mm-yyyy): 04 05 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	SAL	ONAr	3H	Sta Iso	Iodine	All Samples	Save sheet after printing labels:		
1		186	2005	✓ 2006											Bulk water for DMS	
2		187	5	✓ 5.2	x	xx	xx	x		xx	x	x				
3		188	5	✓ 5.2					X							
4		5186	Loop		x	xx	xx	x							Loop # 5186 OK	
5															5033	
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): Mj

Bottom Depth: 2341

Trans Clean: Y / N, Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 0244 1944

Bottom 0321

End 0348

Positional Information

Lat: 48 ° 51.38 N

Lon: 129 ° 09.96 W

Bottom

Lat: 48 ° 51.41 N

Lon: 129 ° 10.12 W

End

Lat: 48 ° 51.41 N

Lon: 129 ° 10.16 W

Extra comments:

+ loops

Cruise ID: 2023-066

Station: P10

Event #: 34

Ship: JP Tully

UTC Date (dd-mm-yyyy):

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	SAL	ONAr	3H	Sta Iso	Iodine	
1	1	189	5	✓ 5	X	XX	XX			XX	X	X	
2	2	190	5	✓ 5					X				
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: ROS

Watchkeeper(s): MGS/mg

Bottom Depth: 1640

Trans Clean: Y / N, Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0622	2322
Bottom	0703	
End	0738	

Positional Information

Lat: 48 ° 53.57 N

Lon: 129 ° 40.03 W

Bottom

Lat: 48 ° 53 682 N

Lon: 129 ° 40 134 W

End

Lat: 48 ° 53 743 N

Lon: 129 ° 40 510 W

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station:

P11

Event #:

36

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

4 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	SAL	ONAr	3H	Sia Iso	Iodine	All Samples	Save sheet after printing labels.	YES	
1	1	191	5	✓	x	xx	xx			xx	x	x				
2	2	192	5	✓					X							
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 2752

Trans Clean: Y N Fl. Clean: X N

Par Status: On / Off

Time	UTC	Local
Start	1007	0307
Bottom	1047	
End	1122	

Positional Information

Lat: 48 ° 55 920 N

Lon: 130 ° 10 030 W

Lat: 48 ° 55 973 N

Lon: 130 ° 10 074 W

Lat: 48 ° 56 052 N

Lon: 130 ° 10 124 W

Extra comments:

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066 Station: P12 Event #: 39 Ship: JP Tully UTC Date (dd-mm-yyyy): 64 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:							Comments	
			Target Pressure	Confirmed Pressure	OXY	SAL	Nut-F	Nut-C	DIC	DOC	CDOM	TOC	ONAr	3H	Sta Iso	Iodine	Rib	Save sheet after printing labels:		
1		198	Bot-10	✓ 3156	xx		x	x	x	x	x									
2		199	3000	✓ 3000	x	x	x	x	x									x		
3		200	3000	✓ 3000	x	x	x	x	x	x	x									
4		201	2500	✓ 2448	x	x	x	x	x	x	x									
5		202	2000	✓ 2000	x	xx	x	x	x	x	x							x		
6		203	1500	✓ 1500	xx	x	x	x	x	x	x									
7		204	1250	✓ 1250	x	x	xx	xx	x	x	x									
8		205	1000	✓ 1000	x	x	x	x	x	x	x							x		
9		206	800	✓ 800	x		x	x	x	x	x									
10		207	600	✓ 600	x		x	x	x	x	x									
11		208	400	✓ 400	x		x	x	xx	x	x							x		
12		209	300	✓ 298	x		x		x	x	x									
13		210	250	✓ 250	xx		x		x	x	x									
14		211	200	✓ 200	x		x		x	x	x							x		
15		212	175	✓ 175	x		x		x	x	x									
16		213	150	✓ 149	x		x		x	x	x									
17		214	125	✓ 125	x		x		x	x	x									
18		215	100	✓ 100	x		x		x	x	x							x		
19		216	75	✓ 74	x		x		x	x	x									
20		217	50	✓ 49	x		x		xx	x	x									
21		218	25	✓ 25	x		x		x	xx	xx									
22		219	10	✓ 9.5	x		x		x	x	x									
23		220	5	✓ 4.9	xx		x		x	x	x									
24		221	5	✓ 5.0								x	xx	x	x	x				

Profile type: ROS

Watchkeeper(s): Hal Jmk

Bottom Depth: 3225

Trans Clean: (Y) N Fl. Clean: Y / N

Par Status: On (Off)

Time	UTC	Local
Start	1440	0740
Bottom	1533	0833
End	1652	0952

Positional Information

Lat: 48° 58.16 N

Lon: 130° 49.01 W

Lat: 48° 58.09 N

Lon: 130° 40.24 W

Lat: 48° 58.34 N

Lon: 130° 40.13 W

Extra comments:

Deep

-spiky CTD

-shallow shelf.

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P12

Event #:

40

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

4 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:			Comments	
			Target Pressure	Confirmed ☒ Pressure	IOS Me-d	IOS Me-T	IOS Lig	Nut-F	Nut-C	Sai	All Samples	Save sheet after printing labels: YES
r5		222	800		x	x		x	x	x		
r4		223	600		xx	xx						
r3		224	400		x	x						
2		225	200		x	x						
r1		226	150		x	x						
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

Profile type: Go-Pro RO6

Watchkeeper(s): DC

Bottom Depth: 2995

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 17:30 17:30

Bottom 17:51 M1

End 18:30

Positional Information

Lat: 44 ° 58 15 N

Lon: 130 ° 40 13 W

Bottom

Lat: 48 ° 58 15 N

Lon: 130 ° 40 21 W

End

Lat: 48 ° 58 15 N

Lon: 130 ° 40 21 W

Extra comments:

TMDep

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station: P12

Event #: 41

Ship: JP Tully

UTC Date (dd-mm-yyyy):

04.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments Save sheet after printing labels.
			Target Pressure	Confirmed Pressure	M19 DMS	M19 DMS-P-d	M19 DMS-P-f	Nut-F	CHL	HPLC	VAR	All Samples	
1	1	227	600	✓	601	xx	x	x	x				
2	2	228	200	✓	200	xx	x	x	x		x		
3	3	229	150	✓	151	xx	x	x	x				
4	4	230	100	✓	101	xx		x	x				
5	5	231	75	✓	76	xx		xx	x				
6	6	232	60	✓	61	xx		x	x	xx			
7	8	233	50	✓	50	xx		x	x	xx			
8	9	234	40	✓	40	xx		x	x	xx			
9	11	235	30	✓	30	xx	x	x	x	xx			
10	12	236	25	✓	26	xx		x	xx				
11	14	237	20	✓	21	xx	xx	x	x				
12	15	238	15	✓	15	xx		x	x	xx			
13	16	239	10	✓	11	xx		x	x				
14	17	240	5	✓	6	xx	x	x					
15	18	241	5	✓	6			x	x	xx			
16	20	242	0	✓	19	xx	x	x	xx				
17	7	243	1%	✓	60						x		
18	13	244	?	✓	25						x		
19	10	245	Chi Max	✓	40						x		
20	19	246	5		5						x		
21													
22													
23													
24													

Version: 01-Dec-22

✓ 1 2 3 4 5 [6 17] 7 [8 19] 9 [10 18] 11 12 13 [14 15] 20] 16

Profile type: ROS

Watchkeeper(s): HR MG

Bottom Depth: 3227

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1844	1144
Bottom	1854	
End	1936	

Positional Information

Lat: 48 ° 58.27	N
Lon: 130 ° 40.05	W

Lat: 48 ° 58.35	N
Lon: 130 ° 40 01	W

Lat: 48 ° 58.29	N
Lon: 130 ° 40.09	W

Extra comments:

DMS

OUT-OF-ORDER!

Cruise ID: 2023-066

Station: P13

Event #: 44

Ship: JP Tully

UTC Date (dd-mm-yyyy): 05-03-23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	SAL	ONAr	3H	Sta Iso	Iodine	All Samples	Save sheet after printing labels:	
1		247	5	✓ 5.5	x	xx	xx	x		xx	x	x			
2		248	5	✓ 5.7					X						
3		5044	Loop		x	xx	xx	x							
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS

Watchkeeper(s): MG

Bottom Depth: 3025

Trans Clean: (Y) N Fl. Clean: Y / N

Par Status: (On) / Off

Time	UTC	Local
Start	0155	1855
Bottom	0233	
End	0307	

Positional Information

Lat: 49 ° 02.62 N

Lon: 131 ° 39.91 W

Bottom

Lat: 49 ° 02.66 N

Lon: 131 ° 40.03 W

End

Lat: 49 ° 02.65 N

Lon: 131 ° 40.14 W

Extra comments:

+loops

Water Properties Group

Program
STN List:

All_Sims

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P14

Event #:

4546

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

5 May 2023

Niskin # Firing # Sample #

Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
Target Pressure	Confirmed Pressure	Nut ^r	CHL	HPLC	DOC	CDOM	ONAR	3H	Sta Iso	Iodine	Sal	Save sheet after printing labels:	
✓	Pressure											YES	

1	1	249	Bot-10	✓	3361									30 sec soak
2	2	250	3000	✓	3000									
3	3	251	2500	✓	2500									DMS bulk water
4	4	252	2000	✓	2000									DMS bulk water
5	5	253	1750	✓	1750									
6	6	254	1500	✓	1500									
7	7	255	1250	✓	1250									
8	8	256	1000	✓	1000									
9	9	257	800	✓	800									
10	10	258	600	✓	600									
11	11	259	400	✓	400									Start 1m soak
12	12	260	300	✓	300									
13	13	261	250	✓	250									
14	14	262	200	✓	200									
15	15	263	175	✓	175									
16	16	264	150	✓	150									
17	17	265	125	✓	125									
18	18	266	100	✓	100									
19	19	267	75	✓	75									
20	20	268	50	✓	50									
21	21	269	25	✓	25									
22	22	270	10	✓	10									
23	23	271	5	✓	5									
24	24	272	5	✓	5									

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 3361

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 0819 0119

Bottom 0940

End 1042

Positional Information

Lat: 49 ° 7 380 N

Lon: 132 ° 39 916 W

Bottom

Lat: 49 ° 7 410 N

Lon: 132 ° 39 980 W

End

Lat: 49 ° 7 380 N

Lon: 132 ° 40 000 W

Extra comments:

Cruise ID: 2023-066

Station: ~~P20~~ P15

Event #: 48 47

Ship: JP Tully

UTC Date (dd-mm-yyyy): 05 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments Save sheet after printing labels:
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	SAL	ONAr	3H	Sta Iso	Iodine	

1		273	5		X	XX	XX	X		XX	X	X							
2		274	5					X											
3		5046	Loop		X	XX	XX	X											
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:	ROS
Watchkeeper(s):	MR

Bottom Depth:	3398
Trans Clean:	☒ N Fl. Clean: Y / N
Par Status:	☒ On / Off

Time	UTC	Local
Start	1630	0930
Bottom		
End		

Positional Information

Lat:	49° 11.98	N
Lon:	133° 40.00	W

Lat:	°	N
Lon:	°	W

Lat:	°	N
Lon:	°	W

Extra comments:

+loops

Water Properties Group

Program
STN List:

All_Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P16

Event #:

X6 19

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

05.05.23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:					Comments
			Target Pressure	Confirmed Pressure	DMS	DMSF-d	DMSF-4	Nut-F	CHL	HPLC	VAR	Trans	All Samples		
1	1	273	600	✓ 599	x	x	x	x				x			
2	2	274	300	✓ 299						x					
3	3	275	200	✓ 201	x	x	x	x							
4	4	276	150	✓ 151	x	x	x	x							
5	5	277	100	✓ 101	x			x	x						
6	6	278	75	✓ 75	x			xx	x						
7	7	279	60	✓ 59				x	x	xx					
8	8	280	50	✓ 49	x			x	x	xx					
9	10	281	40	✓ 40	x			x	x	xx					
10	12	282	30	✓ 30	x	x	x	x	x	xx					
11	13	283	25	✓ 24	x			x	xx						
12	15	284	20	✓ 20	xx	xx	xx	x	x						
13	16	285	15	✓ 16	x			x	x	xx					
14	17	286	10	✓ 11	x			x	x						
15	18	287	5	✓ 4	x	x	x	x							
16	19	288	5	✓ 5				x	x	xx					
17	22	289	0	✓ 19	x	x	x	x	xx						
18	7	290	1%	✓ 75						x					
19	14	291	15%	✓ 215						x					
20	11	292	Chl Max	✓ 40						x					
21	20	293	5	✓ 6						x					
22	21	294	5	✓ 5							x				
23															
24															

Version: 01-Dec-22

1 2 3 4 5 [6 18] 7 8 [9 20] 10 [11 25] 12 13 14 [15 16 21 22] 17

Profile type: ROS

Watchkeeper(s): M6

Bottom Depth: 3622

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	2132	
Bottom	2145	
End	2224	

Positional Information

Lat: 49 ° 16.97 N

Lon: 134 ° 39.88 W

Lat: 49 ° 16.99 N

Lon: 134 ° 39.85 W

Lat: 49 ° 17.03 N

Lon: 134 ° 39.91 W

Extra comments:

DMS

OUT-OF-ORDER!

Water Properties Group

Program STN List: All Sims

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066 Station: P16 Event #: 5052 Ship: JP Tully UTC Date (dd-mm-yyyy): 06 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: All Samples						Comments			
			Target Pressure	Confirmed Pressure	MG	XY	SAL	Nut-F	Nut-C	DOC	CDOM	TOC	ONAr	Trans		Rib		
1		295	Bot-10	✓ 3685	x			x	x			x	x	x				SPRKE at 0700 OXY AL ↓ 11000 ALL CHANNELS
2		296	3500	✓ 3501	x		x	x	x			x	x	x				
3		297	3500	✓ 3502	x		x	x	x			x	x	x				
4		298	3000	✓ 2999	xx		x	xx	xx			x	x	x			x	
5		299	2500	✓ 2500	x		xx	x	x			x	x	x				
6		300	2000	✓ 2001	x		x	x	x			x	x	x			x	
7		301	1500	✓ 1502	x		x	x	x			x	x	x				
8		302	1250	✓ 1250	x		x	x	x			x	x	x				
9		303	1000	✓ 1001	x		xx	x	x			x	x	x			x	
10		304	800	✓ 800	xx			x	x			x	x	x				
11		305	600	✓ 600	x			x	x			x	x	x				
12		306	400	✓ 400	x			x	x			x	x	x			x	
13		307	300	✓ 300	x			x				x	x	x				
14		308	250	✓ 250	x			x				x	x	x				
15		309	200	✓ 200	x			x				x	x	x			x	
16		310	175	✓ 176	x			x				x	x	x				
17		311	150	✓ 150	x			x				x	x	x				
18		312	125	✓ 125	xx			xx				x	x	x				
19		313	100	✓ 101	x			x				x	x	x			x	
20		314	75	✓ 75	x			x				x	x	x				
21		315	50	✓ 51	x			x				x	x	x				
22		316	25	✓ 25	x			x				x	x	x			X	
23		317	10	✓ 11	xx			x				xx	xx	xx				
24		318	5	✓ 5	x			x				x	x	x			x	

Profile type: ROS

Watchkeeper(s): MG

Bottom Depth: 3620

Trans Clean: (Y) / N Fl. Clean: Y / N

Par Status: On / (Off)

Time	UTC	Local
Start	0055	1755
Bottom	0200	
End	0341	

Positional Information

Lat: 49 ° 16.98	N
Lon: 134 ° 40.01	W

Lat: 49 ° 16.96	N
Lon: 134 ° 39.69	W

Lat: 49 ° 16.80	N
Lon: 134 ° 39.63	W

Extra comments:

Deep

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066 Station: P16 Event #: 53 Ship: JP Tully UTC Date (dd-mm-yyyy): 06.05.2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments Save sheet after printing labels. YES
			Target Pressure	Confirmed Pressure	Cs	3H	Sta	Iso	Iodine	All Samples			
1		319	300	✓ 300	X								
2		320	300	✓	X								
3		321	300	✓	X								
4		322	300	✓	X								
5		323	300	✓	X								
6		324	300	✓	X								
7		325	300	✓	X								
8		326	300	✓	X								
9		327	300	✓		xx	x	x					
10		328	200	✓ 200	X								
11		329	200	✓	X								
12		330	200	✓	X								
13		331	200	✓	X								
14		332	200	✓	X								
15		333	200	✓	X								
16		334	200	✓	X								
17		335	200	✓	X								
18		336	200	✓		xx	x	x					
19		337	100	✓ 100	X								
20		338	100	✓	X								
21		339	100	✓	X								
22		340	100	✓	X								
23		341	100	✓	X								
24		342	100	✓	X								

Profile type: ROS

Watchkeeper(s): MCG

Bottom Depth: 3620

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	0580	2220
Bottom	0527	
End	0540	

Positional Information

Lat: 49 ° 17.010 N

Lon: 134 ° 46.010 W

Lat: 49 ° 17.03 N

Lon: 134 ° 40.00 W

Lat: 49 ° 16.99 N

Lon: 134 ° 39.98 W

Extra comments:

Cesium 300

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments Save sheet after printing labels:
			Target Pressure	Confirmed Pressure	Cs	3H	Sta	Iso	Iodine	All Samples			
1		343	100	✓	X								
2		344	100	✓	X								
3		345	100	✓		xx	x	x					
4		346	60	✓	X								
5		347	60	✓	X								
6		348	60	✓	X								
7		349	60	✓	X								
8		350	60	✓	X								
9		351	60	✓	X								
10		352	60	✓	X								
11		353	60	✓	X								
12		354	60	✓		xx	x	x					
13		355	40	✓	X								
14		356	40	✓	X								
15		357	40	✓	X								
16		358	40	✓	X								
17		359	40	✓	X								
18		360	40	✓	X								
19		361	40	✓	X								
20		362	40	✓	X								
21		363	40	✓		xx	x	x					
22		364	25	✓	X								
23		365	25	✓	X								
24		366	25	✓	X								

Profile type: ROS

Watchkeeper(s): MG

Bottom Depth: 3620

Trans Clean: ☒ N Fl. Clean: Y / N

Par Status: On / ☒ Off

Time		UTC	Local
Start		0609	0309
Bottom		0611	
End		0623	

Positional Information

Lat: 49 ° 17.03 N

Lon: 134 ° 39.96 W

Bottom

Lat: 49 ° 17.03 N

Lon: 134 ° 39.98 W

End

Lat: 49 ° 17.06 N

Lon: 134 ° 39.96 W

Extra comments:

Cesium 100

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments
			Target Pressure	Confirmed Pressure	Cs	3H	Sta	Iso	Iodine	All Samples			Save sheet after printing labels: YES
1	1	367	25	✓ 25	X								
2	2	368	25	✓ 25	X								
3	3	369	25	✓ 25	X								
4	4	370	25	✓ 25	X								
5	5	371	25	✓ 25	X								
6	6	372	25	✓ 25		xx		x	x				
7	7	373	15	✓ 15	X								
8	8	374	15	✓ 15	X								
9	9	375	15	✓ 15	X								
10	10	376	15	✓ 15	X								
11	11	377	15	✓ 15	X								
12	12	378	15	✓ 15	X								
13	13	379	15	✓ 15	X								
14	14	380	15	✓ 15	X								
15	15	381	15	✓ 15		xx		x	x				
16	16	382	5	✓ 5	X								
17	17	383	5	✓ 5	X								
18	18	384	5	✓ 5	X								
19	19	385	5	✓ 5	X								
20	20	386	5	✓ 5	X								
21	21	387	5	✓ 5	X								
22	22	388	5	✓ 5	X								
23	23	389	5	✓ 5	X								
24	24	390	5	✓ 5		xx		x	x				

Profile type: ROS

Watchkeeper(s): MB

Bottom Depth: 3621

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time		UTC	Local
Start		06 48	23 48
Bottom		06 50	
End		06 59	

Positional Information

Start

Lat: 49 ° 17 03 N

Lon: 134 ° 40 03 W

Bottom

Lat: 49 ° 17 03 N

Lon: 134 ° 40 02 W

End

Lat: 49 ° 17 03 N

Lon: 134 ° 39 99 W

Extra comments:

Cesium 25

CTD to 100

Cruise ID: 2023-066

Station: P16

Event #: 56

Ship: JP Tully

UTC Date (dd-mm-yyyy): 6 May 2023

Rosette Operation			Sampler's Initials / Samples Taken			Sample Lists:			Comments		
Target Pressure	Confirmed Pressure		IOS Me-d	IOS Me-T	IOS Lig	Nut-F	Nut-C	Sal	All Samples		
Save sheet after printing labels: YES											

Profile type:	GO-PRO
Watchkeeper(s):	MB

Bottom Depth:	3621
Trans Clean:	N
Par Status:	Off

Time	UTC	Local
Start	0712	0602
Bottom	0734	
End	0807	

Positional Information	
Lat:	49 ° 17 03 N
Lon:	134 ° 39 99 W

Lat:	49 ° 17 01 N
Lon:	134 ° 39 96 W

Lat:	49 ° 17 00 N
Lon:	134 ° 40 00 W

Extra comments:	TMDrop
Bottle 4 & 5 did not trip due to messenger salinity is nutrient	
taken at 400m	

Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	IOS Me-d	IOS Me-T	IOS Lig	Nut-F	Nut-C	Sal	All Samples	Comments
r5		391	800		X	X		X	X			
r4		392	600		X	X						
r3		393	400		XX	XX		X		X		
2		394	200		X	X						
r1		395	150		X	X						
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

Cruise ID: 2023-066

Station: P16

Event #: 57

Ship: JP Tully

UTC Date (dd-mm-yyyy): 6 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:		Comments	
			Target Pressure	Confirmed ☒ Pressure	IOS Me-d	IOS Me-T	IOS Lig	Nut-F	Nut-C	Sal	All Samples	Save sheet after printing labels: YES
r5		397	100		X	X	xxx	X		X		
r4		398	75		X	X						
r3		399	50		X	X	xxx					
2		400	35		X	X	xxx					
r1		401	10		X	X	xxx					
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

Profile type: 60-Pro RO3

Watchkeeper(s): MJS

Bottom Depth:

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time		UTC	Local
Start		0833	0833
Bottom		0846	
End		0912	

Positional Information

Lat:	49 ° 17 06	N
Lon:	134 ° 40 03	W

Lat:	49 ° 17 06	N
Lon:	134 ° 40 07	W

Lat:	49 ° 17 02	N
Lon:	134 ° 39 98	W

Extra comments:

TMSshallow

Bottom Bounce did not reset
so sent back for 2nd attempt.

Cruise ID: 2023-066

Station: P17

Event #: 58

Ship: JP Tully

UTC Date (dd-mm-yyyy): 16 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:			Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	SAL	ONAR	3H	Sta Iso	Iodine	All Samples	Save sheet after printing labels:
1	2	402	5	✓ 5	X	XX	XX	X		XX	X	X		
2	3	403	5	✓ 5					X					
3		5058	Loop		X	XX	XX	X						
4	1	404	2000	✓ 2000									X	Water for MCKG
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth: 1339

Trans Clean: Y N Fl. Clean: X / N

Par Status: On / Off

Time UTC Local

Start 1339

Bottom 1412

End 1445

Positional Information

Start Lat: 49 ° 21 035 N

Start Lon: 135 ° 39 978 W

Bottom Lat: 49 ° 26 940 N

Bottom Lon: 135 ° 40 040 W

End Lat: 49 ° 20 940 N

End Lon: 135 ° 39 926 W

Extra comments: +loops

Out of order

Cruise ID: 2023-066

Station: P18

Event #: 60

Ship: JP Tully

UTC Date (dd-mm-yyyy): 06 06 23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:					Comments			
			Target Pressure	Confirmed Pressure	Nut	CHL	HPLC	DOC	CDOM	ONAR	3H	Sta Iso	Iodine	Trans	OXY	Sal	DMS	Save sheet after printing labels: YES	
1		404	Bot-10	✓ 3889				X	X					X			CHLRP ~ 50 ↓		
2		405	3500	✓ 3501				X	X					X	X		~ 1375 ↓		
3		406	3000	✓ 3000				X	X					X	X		SRP ~ 3040 ↓		
4		407	2500	✓ 2499				X	X					X	X		CHLRP ~ 3560 ↓		
5		408	2000	✓ 2000				X	X					X	X		SRP ~ 3700 ↓		
6		409	1500	✓ 1499				X	X					X	XX				
7		410	1250	✓ 1250				X	X					X	X				
8		411	1000	✓ 999				X	X				X	X	X				
9		412	800	✓ 800				X	X					XX	X				
10		413	600	✓ 602				X	X					X	X				
11		414	400	✓ 400				X	X					X	X				
12		415	300	✓ 300				X	X					X	X				
13		416	250	✓ 250				X	X					X	X				
14		417	200	✓ 200				X	X					X	X				
15		418	175	✓ 175				X	X					X	X				
16		419	150	✓ 150				X	X					X	X				
17		420	125	✓ 125				X	X					X	X				
18		421	100	✓ 100				X	X					X	X				
19		422	75	✓ 75				X	X					X	X				
20		423	50	✓ 50				X	X					X	X	12	12 DMS		
21		424	25	✓ 25				XX	XX					X	X				
22		425	10	✓ 10				X	X					X	X				
23		426	5	✓ 5.6						X	XX	X	X	X	X				
24		427	5	✓ 5.4		X	X	XX	X				X						

Profile type: ROS

Watchkeeper(s): MG

Bottom Depth: 3817

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1910 1210

Bottom 2029

End 2204

Positional Information

Lat: 49 ° 25.99 N

Lon: 136 ° 39.98 W

Bottom

Lat: 49 ° 25.99 N

Lon: 136 ° 40.03 W

End

Lat: 49 ° 26.02 N

Lon: 136 ° 40.01 W

Extra comments:

Cruise ID: 2023-066

Station: P19

Event #: 62

Ship: JP Tully

UTC Date (dd-mm-yyyy): 07 05 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	ONAr	3H	Sta Iso	Iodine	All Samples	Save sheet after printing labels:	YES		
1		428	5	✓ 5.7				X	xx	x	x				No CHIRP @ 60	
2		429	5	✓ 5.5	x	x	xx								CHIRP @ 1300	
3																
4																
5																
6																
7																
8																
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20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): MG

Bottom Depth: 3907

Trans Clean: ☒ N Fl. Clean: Y / N

Par Status: ☒ On ☐ Off

Time		UTC	Local
Start		0837	1937
Bottom		0317	
End		0352	

Positional Information

Lat: 49 ° 30.00 N

Lon: 137 ° 40.05 W

Bottom

Lat: 49 ° 30.01 N

Lon: 137 ° 40.01 W

End

Lat: 49 ° 29.92 N

Lon: 137 ° 39.98 W

Extra comments:

BOG Water 160806H

Cruise ID: 2023-066

Station: P20

Event #: 67

Ship: JP Tully

UTC Date (dd-mm-yyyy): 7 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: All Samples				Comments	
			Target Pressure	Confirmed ☒ Pressure	IOS Me-d	IOS Me-T	IOS Lig	U Sher Lig-CG	Nut-F	Nut-C	Sal					
Watchkeeper(s): <i>PC</i>																
Profile type: ROS																

Bottom Depth: 3965	
Trans Clean: ☒ N Fl. Clean: ☒ N	
Par Status: On ☒ Off	

Time		UTC	Local
Start	10 10		0210
Bottom	10 28		
End	10 45		

Positional Information

Lat: 49 ° 34	054	N
Lon: 138 ° 40	182	W

Bottom

Lat: 49 ° 34	019	N
Lon: 138 ° 40	097	W

End

Lat: 49 ° 34	054	N
Lon: 138 ° 40	079	W

Extra comments:

TMSshallow

r5		430	100			X	X	xxx	X	X	X								
r4		431	75			X	X		X										
r3		432	50			X	X	xxx	X										
2		433	35			X	X	xxx	X										
r1		434	10			X	X	xxx	X										
6																			
7																			
8																			
9																			
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18																			
19																			
20																			
21																			
22																			
23																			
24																			

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station: P20

Event #: 68169

Ship: JP Tully

UTC Date (dd-mm-yyyy):

7 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists:		All Samples		Comments	
			Target Pressure	Confirmed Pressure	MB/SAL	LC	LC	LC	LC	DIC	DOC	CDOM	TOC	Rib	Save sheet after printing labels:	YES				
1	1	435	Bot-10	✓ 4024	X		XX	XX	X	X	X	X	X	X						
2	2	436	3500	✓ 3500	X	X	X	X	X	X	X	X	X	X						
3	3	437	3500	✓ 3500	X	X	X	X	X	X	X	X	X	X						
4	4	438	3000	✓ 3000	X	XX	X	X	X	X	X	X	X	X						
5	5	439	2500	✓ 2500	XX	X	X	X	X	X	X	X	X	X						
6	6	440	2000	✓ 2000	X	X	X	X	X	X	X	X	X	X	X					
7	7	441	1500	✓ 1500	X	XX	X	X	XX	X	X	X	X	X						
8	8	442	1250	✓ 1250	X	X	X	X	X	X	X	X	X	X						
9	9	443	1000	✓ 1000	X	X	X	X	X	X	X	X	X	X	X					
10	10	444	800	✓ 800	XX		X	X	X	X	X	X	X	X						
11	11	445	600	✓ 600	X		X	X	X	X	X	X	X	X						
12	12	446	400	✓ 400	X		X	X	X	X	X	X	X	X	X					
13	13	447	300	✓ 300	X		X		X	X	X	X	X	X						
14	14	448	250	✓ 250	X		X		X	X	X	X	X	X						
15	15	449	200	✓ 200	XX		X		X	X	X	X	X	X	X					
16	16	450	175	✓ 175	X		X		X	X	X	X	X	X						
17	17	451	150	✓ 150	X		X		X	X	X	X	X	X						
18	18	452	125	✓ 125	X		X		XX	X	X	X	X	X						
19	19	453	100	✓ 100	X		X		X	X	X	X	X	X	X					
20	20	454	75	✓ 75	XX		X		X	X	X	X	X	X						
21	21	455	50	✓ 50	X		X		X	XX	XX	XX	XX	X						
22	22	456	25	✓ 25	X		XX		X	X	X	X	X	X						
23	23	457	10	✓ 10	X		X		X	X	X	X	X	X						
24	24	458	5	✓ 5	X		X		X	X	X	X	X	X	X					

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth: 3943

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1116 0116

Bottom 1226

End 1357

Positional Information

Lat: 49 ° 34 044 N

Lon: 138 ° 40 080 W

Bottom

Lat: 49 ° 33 986 N

Lon: 138 ° 40 050 W

End

Lat: 49 ° 34 04 N

Lon: 138 ° 40 05 W

Extra comments:

Deep

-550m, -600m, -650m, -700m, -750m, -800m, -850m, -900m, -950m, -1000m, -1050m, -1100m, -1150m, -1200m, -1250m, -1300m, -1350m, -1400m, -1450m, -1500m, -1550m, -1600m, -1650m, -1700m, -1750m, -1800m, -1850m, -1900m, -1950m, -2000m, -2050m, -2100m, -2150m, -2200m, -2250m, -2300m, -2350m, -2400m, -2450m, -2500m, -2550m, -2600m, -2650m, -2700m, -2750m, -2800m, -2850m, -2900m, -2950m, -3000m, -3050m, -3100m, -3150m, -3200m, -3250m, -3300m, -3350m, -3400m, -3450m, -3500m, -3550m, -3600m, -3650m, -3700m, -3750m, -3800m, -3850m, -3900m, -3950m, -4000m, -4050m, -4100m, -4150m, -4200m, -4250m, -4300m, -4350m, -4400m, -4450m, -4500m, -4550m, -4600m, -4650m, -4700m, -4750m, -4800m, -4850m, -4900m, -4950m, -5000m, -5050m, -5100m, -5150m, -5200m, -5250m, -5300m, -5350m, -5400m, -5450m, -5500m, -5550m, -5600m, -5650m, -5700m, -5750m, -5800m, -5850m, -5900m, -5950m, -6000m, -6050m, -6100m, -6150m, -6200m, -6250m, -6300m, -6350m, -6400m, -6450m, -6500m, -6550m, -6600m, -6650m, -6700m, -6750m, -6800m, 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Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P20

Event #:

70

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

7 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments	
			Target Pressure	Confirmed ☒	Pressure	IOS Me-d	IOS Me-T	IOS Lig	U Sher Lig-CG	Nut-F	Nut-C	Sal	All Samples	Save sheet after printing labels: YES
r5		480	800			x	x		x	x	x	x		
r4		481	600			x	x		x					
r3		482	400			x	x		x					
2		483	200			xx	xx		x					
r1		484	150			x	x		x					
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): RC

Bottom Depth: 3963

Trans Clean: Y / N Fl. Clean: X / N

Par Status: On / Off

Time UTC Local

Start 1445 0745

Bottom 1518

End 1558

Positional Information

Lat: 49 ° 33 997 N

Lon: 138 ° 40 109 W

Bottom

Lat: 49 ° 34 067 N

Lon: 138 ° 40 135 W

End

Lat: 49 ° 34 079 N

Lon: 138 ° 40 168 W

Extra comments:

TMDep

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P20

Event #:

71

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

7 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:						Comments		
			Target Pressure	Confirmed Pressure	MR	MA	MA	SW	SW/Chl	SW/PLC	CHL	HPLC	VAR	ONAr	3H	Sta Iso		Iodine	
1	1	459	600	✓ 602	X	X	X	X											
2	2	460	200	✓ 200	X	X	X	X			X								60 Sec SNAK
3	3	461	150	✓ 150	X	X	X	X											
4	4	462	100	✓ 100	X			X	X	X									
5	5	463	75	✓ 75	X			XX	X										
6	6	464	60	✓ 60				X	X	XX									
7	7	465	50	✓ 50	X			X	X	XX									
8	9	466	40	✓ 40	X			X	X	XX									
9	11	467	30	✓ 30	X	X	X	X	X	XX									
10	12	468	25	✓ 25	X			X	XX										
11	14	469	20	✓ 20	XX	XX	XX	X	X										
12	15	470	15	✓ 15	X			X	X	XX									
13	16	471	10	✓ 10	X			X	X										
14	17	472	5	✓ 5	X	X	X	X							XX		X		
15	18	473	5	✓ 5				X	X	XX									
16	21	474	0	✓ 2.0	X	X	X	X	XX										
17	8	475	1%	✓ 50							X								
18	13	476	15%	✓ 25							X								
19	10	477	Chl Max	✓ 35							X								
20	15	478	5	✓ 5							X								
21	20	479	5	✓ 5								X							
22																			
23																			
24																			

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth: 3942

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1611 0911

Bottom 1621

End 1654

Positional Information

Lat: 49 ° 34.046 N

Lon: 138 ° 49.080 W

Bottom

Lat: 49 ° 34.080 N

Lon: 138 ° 40.120 W

End

Lat: 49 ° 34.080 N

Lon: 138 ° 39.990 W

Extra comments:

DMS

OUT-OF-ORDER!

1-3, 14, 8, 19, 9, 10, 18

11-15, 20, 21, 16

Water Properties Group

Program
STN List:

All Sms

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P21

Event #:

73

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

07.05.23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	ONAr	3H	Sta Iso	Iodine	Sal	
1		485	5	✓ 4.8				X	xx	x	x		8AL LINE @ 1600 ✓
2		486	5	✓ 4.8	x	x	xx					x	
3													
4		5073				x	xx					x	
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: ROS

Watchkeeper(s): PLG

Bottom Depth: 3938

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 2128 1428

Bottom 2204

End 2237

Positional Information

Lat: 49 ° 38.08 N

Lon: 139 ° 39.77 W

Bottom

Lat: 49 ° 38.06 N

Lon: 139 ° 39.64 W

End

Lat: 49 ° 38.12 N

Lon: 139 ° 39.77 W

Extra comments:

5 M LUGP

Water Properties Group

Program
STN List:

All Sms

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P22

Event #:

75

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

07.05.23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:			All Samples		Comments	
			Target Pressure	Confirmed ☒ / ☐ Pressure	Nut-f	CHL	HPLC	DOC	CDOM	ONAr	3H	Sta Iso	Iodine	Trans	Sal		Save sheet after printing labels: YES
1		487	Bot-10	☒	3489			x	x								Scan E00045
2		488	3500	☒	3501			x	x								STARTED @ 3500 ↑
3		489	3000	☒	3001			x	x								41 @ 3500
4		490	2500	☒	2501			x	x								58 @ 2500
5		491	2000	☒	2001			x	x								
6		492	1500	☒	1501			x	x								
7		493	1250	☒	1250			x	x								
8		494	1000	☒	1001			x	x								
9		495	800	☒	800			x	x								
10		496	600	☒	600			x	x								
11		497	400	☒	400			x	x								
12		498	300	☒	300			x	x								
13		499	250	☒	251			x	x								
14		500	200	☒	200			x	x								
15		501	175	☒	175			x	x								
16		502	150	☒	151			x	x								
17		503	125	☒	125			x	x								
18		504	100	☒	100			x	x								
19		505	75	☒	74			x	x								
20		506	50	☒	50			x	x								
21		507	25	☒	26			xx	xx								
22		508	10	☒	10			x	x								
23		509	5	☒	5					X	xx	x	x				
24		510	5		5.6	x	x	xx	x					x			

Version: 01-Dec-22

Profile type:	ROS
Watchkeeper(s):	MS

Bottom Depth:	3818
Trans Clean:	☒ Y ☐ N Fl. Clean: ☐ Y ☐ N
Par Status:	On ☒ / ☐ Off

Time	UTC	Local
Start	0300	2000
Bottom	0415	
End	0600	

Positional Information

Lat:	49 ° 41.95	N
Lon:	140 ° 39.95	W

Lat:	49 ° 41.95	N
Lon:	140 ° 39.92	W

Lat:	49 ° 42.05	N
Lon:	140 ° 39.99	W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

Station:

Event #:

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

8 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:					Comments
			Target Pressure	Confirmed Pressure	Nut-f	CHL	HPLC	ONAr	NH4	Nut-c	3H	Sta Iso	Iodine		
1	1	511	2005	✓ 2005					xx					labels for jugs, no sample	
2	2	512	600	✓ 600						x				label for jug, no sample	
3	3	513	250	✓ 250					xx					labels for jugs, no sample	
4	4	514	5	✓ 5						x				label for jug, no sample	
5	5	515	5	✓ 5	x	x	xx				xx	x	x		
6	6	516	5	✓ 5				x							
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS

Watchkeeper(s): M

Bottom Depth: 4030

Trans Clean: ☒ / N Fl. Clean: ☒ / N

Par Status: ☒ On / Off

Time UTC Local

Start10230323

Bottom10560356

End11320432

Positional Information

Lat: 49 ° 46 109 N

Lon: 141 ° 39 884 W

Bottom

Lat: 49 ° 46 110 N

Lon: 141 ° 39 900 W

End

Lat: 49 ° 46 080 N

Lon: 141 ° 39 870 W

Extra comments:

Water Properties Group

Program
STN List:

All_Sims

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P24

Event #:

78

79

Ship:

JP Tully

UTC Date (dd mm yyyy):

8 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:						Comments
			Target Pressure	Confirmed Pressure	Nut-f	CHL	HPLC	DOC	CDOM	ONAR	3H	Sta Iso	Iodine	Rib	Sal	Trans	
1	1	517	Bot-10	✓ 4043				x	x				x				
2	2	518	3500	✓ 3500				x	x					x			
3	3	519	3000	✓ 3000				x	x					x	x		
4	4	520	2500	✓ 2500				x	x						xx		DMS bulk water
5	5	521	2000	✓ 2000				x	x					x	x		DMS bulk water
6	6	522	1500	✓ 1500				x	x						x		
7	7	523	1250	✓ 1250				x	x						x		
8	8	524	1000	✓ 1000				x	x					x	x	x	
9	9	525	800	✓ 800				x	x								
10	10	526	600	✓ 600				x	x								
11	11	527	400	✓ 400				x	x					x			1 min Soak
12	12	528	300	✓ 300				x	x								
13	13	529	250	✓ 250				x	x								
14	14	530	200	✓ 200				x	x					x			
15	15	531	175	✓ 175				x	x								
16	16	532	150	✓ 150				x	x								
17	17	533	125	✓ 125				x	x								
18	18	534	100	✓ 100				x	x					x			
19	19	535	75	✓ 75				x	x								
20	20	536	50	✓ 50				x	x								
21	21	537	25	✓ 25				xx	xx								
22	22	538	10	✓ 10				x	x								
23	23	539	5	✓ 5						x	xx	x	x			x	
24	24	540	5	✓ 5		x	x	xx	x	x				x			

Profile type:	ROS
Watchkeeper(s):	MS

Bottom Depth:	3964
Trans Clean:	Y N F. Clean: X N
Par Status:	On / Off

Time	UTC	Local
Start	1538	0838
Bottom	1643	
End	1813	

Positional Information

Lat:	49 ° 56 208	N
Lon:	142 ° 40 020	W

Bottom

Lat:	49 ° 50 110	N
Lon:	142 ° 39 900	W

End

Lat:	49 ° 49 966	N
Lon:	142 ° 39 910	W

Extra comments:

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P25

Event #:

81

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

08 05 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HP/LC	ONAR	3H	Sta Iso	Iodine	All Samples	Save sheet after printing labels: YES
1		541	5	✓ 5.8				X	xx	x	x		0x4 591560 1110
2		542	5	✓ 5.3	x	x	xx						314027 1368
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type:	ROS
Watchkeeper(s):	Mg

Bottom Depth:	4118
Trans Clean:	Y / N Fl. Clean: Y / N
Par Status:	On / Off
Time	UTC Local
Start	2021 1581
Bottom	2258
End	2333

Positional Information

Lat:	50 ° 00.098	N
Lon:	143 ° 36.23	W

Start

Lat:	50 ° 00.13	N
Lon:	143 ° 36.22	W

Bottom

Lat:	50 ° 00.10	N
Lon:	143 ° 36.19	W

End

Extra comments:

Water Properties Group

Program
STN List:

All Sns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P35

Event #:

82

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

09 05. 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All Samples	Comments
			Target Pressure	Confirmed Pressure	Nu-F	CHL	HPLC	SAL	ONAr	3H	Sta Iso	Iodine		Save sheet after printing labels: YES
1		543	5	✓ 4.9	x	xx	xx	x						OKY SAMPLE @ 1314 ✓
2		544	5	✓ 5.6					X	x X	x	x		SCANER 2005 N 2007
3		5082	Loop			xx	xx	x						41 SCAN ER 2005
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type:	ROS
Watchkeeper(s):	14

Bottom Depth:	4185
Trans Clean:	Y / N Fl. Clean: Y / N
Par Status:	On / Off

Time	UTC	Local
Start	0257	1957
Bottom	0334	
End	0410	

Positional Information

Lat:	50 °	00.70	N
Lon:	144 °	18.17	W

Lat:	50 °	00.02	N
Lon:	144 °	18.11	W

Lat:	50 °	00.02	N
Lon:	144 °	18.03	W

Extra comments:

+loops

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P26

Event #:

83

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

9 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments
			Target Pressure	Confirmed Pressure	Cs	3He	Sta	iso	Iodine	All Samples			Save sheet after printing labels: YES
1	1	545	300	✓	X								MEN SOAK
2	2	546	300	✓	X								
3	3	547	300	✓	X								
4	4	548	300	✓	X								
5	5	549	300	✓	X								
6	6	550	300	✓	X								
7	7	551	300	✓	X								
8	8	552	300	✓	X								
9	9	553	300	✓		xx	x		x				
10	10	554	200	✓	X								
11	11	555	200	✓	X								
12	12	556	200	✓	X								
13	13	557	200	✓	X								
14	14	558	200	✓	X								
15	15	559	200	✓	X								
16	16	560	200	✓	X								
17	17	561	200	✓	X								
18	18	562	200	✓		xx	x		x				
19	19	563	100	✓	X								
20	20	564	100	✓	X								
21	21	565	100	✓	X								
22	22	566	100	✓	X								
23	23	567	100	✓	X								
24	24	568	100	✓	X								

Version: 01-Dec-22

Profile type:	ROS
Watchkeeper(s):	MB

Bottom Depth:					
Trans Clean:	Y	N	F.L. Clean:	X	N
Par Status:	On	Off			

Time		UTC	Local
Start		0740	0040
Bottom		0745	
End		0755	

Positional Information

Lat:	50 °	0	620	N
Lon:	144 °	59	920	W

Lat:	50 °	0	020	N
Lon:	144 °	59	890	W

Lat:	50 °	0	044	N
Lon:	1 °	59	858	W

Extra comments:	Cesium 300
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Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station: P26

Event #: 84

Ship: JP Tully

UTC Date (dd-mm-yyyy): 9 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	Cs	3He	Sta Iso	Iodine	All Samples				Save sheet after printing labels:	YES

1	1	569	100	✓ 100	X									
2	2	570	100	✓ 100	X									
3	3	571	100	✓ 100		xx	x	x						
4	4	572	60	✓ 60	X									
5	5	573	60	✓	X									
6	6	574	60	✓	X									
7	7	575	60	✓	X									
8	8	576	60	✓	X									
9	9	577	60	✓	X									
10	10	578	60	✓	X									
11	11	579	60	✓	X									
12	12	580	60	✓		xx	x	x						
13	13	581	40	✓ 40	X									
14	14	582	40	✓	X									
15	15	583	40	✓	X									
16	16	584	40	✓	X									
17	17	585	40	✓	X									
18	18	586	40	✓	X									
19	19	587	40	✓	X									
20	20	588	40	✓	X									
21	21	589	40	✓		xx	x	x						
22	22	590	25	✓ 25	X									
23	23	591	25	✓	X									
24	24	592	25	✓	X									

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth: 4222

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 0821 0121

Bottom 0823

End 0830

Positional Information

Lat: 49 ° 59 944 N

Lon: 144 ° 59 998 W

Bottom

Lat: 49 ° 59 942 N

Lon: 144 ° 59 996 W

End

Lat: 49 ° 59 946 N

Lon: 144 ° 59 966 W

Extra comments:

Cesium 100

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

Station:

P26

Event #:

85

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

9 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	Cs	3He	Sta Iso	Iodine	All Samples				Save sheet after printing labels:	YES
1	1	593	25	✓ 25	X									
2	2	594	25	✓	X									
3	3	595	25	✓	X									
4	4	596	25	✓	X									
5	5	597	25	✓	X									
6	6	598	25	✓		xx	x	x						
7	7	599	15	✓ 15	X									
8	8	600	15	✓	X									
9	9	601	15	✓	X									
10	10	602	15	✓	X									
11	11	603	15	✓	X									
12	12	604	15	✓	X									
13	13	605	15	✓	X									
14	14	606	15	✓	X									
15	15	607	15	✓		xx	x	x						
16	16	608	5	✓ 5	X									
17	17	609	5	✓	X									
18	18	610	5	✓	X									
19	19	611	5	✓	X									
20	20	612	5	✓	X									
21	21	613	5	✓	X									
22	22	614	5	✓	X									
23	23	615	5	✓	X									
24	24	616	5	✓		xx	x	x						

Profile type:	ROS
Watchkeeper(s):	MA

Bottom Depth:	4222	
Trans Clean:	Y / N	
Fl. Clean:	Y / N	
Par Status:	On / Off	
Time	UTC	Local
Start	0833	0133
Bottom	0856	
End	0903	

Positional Information

Lat:	56 °	0 016	N
Lon:	145 °	0 012	W

Lat:	50 °	0 010	N
Lon:	145 °	0 010	W

Lat:	50 °	0 010	N
Lon:	145 °	0 010	W

Extra comments:	Cesium 25
CTD to 100	

Water Properties Group

Program
STN List:

All Sins

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

P26

Event #:

86187

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

9 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: All Samples										Comments
			Target Pressure	Confirmed Pressure	MB/S	OXY	SAL	Nut-F	Nut-C	DIC	DOC	CDOM	TOC	SAG	DNA	POC	FISH	Rib	Save sheet after printing labels: YES						
1	1	630	Bot-10	✓	4319	x			x	x	x	x	x	x	x	x	x	x		30 Sec Suac					
2	2	631	4000	✓	4000	x		x	x	x	x	x	x	x	x	x	x	x							
3	3	632	3500	✓	3500	xx		xx	x	x	xx	x	xx	x	x										
4	4	633	3000	✓	3000	x		x	xx	xx	x	x	x	x	x	x	x	x							
5	5	634	2500	✓	2500	x		x	x	x	x	x	x	x	x										
6	6	635	2000	✓	2000	x		x	x	x	x	x	x	x	x	x	x	x							
7	7	636	1500	✓	1500	xx		xx	x	x	x	x	x	x	x	x	x	x							
8	8	637	1250	✓	1250	x		x	x	x	x	x	x	x	x	x	x	x							
9	9	638	1000	✓	1000	xx		x	x	x	x	x	x	x	x	x	x	x							
10	10	639	800	✓	800	x			x	x	x	x	x	x	x	x	x	x							
11	11	640	600	✓	600	x			x	x	x	x	x	x	x	x	x	x							
12	12	641	400	✓	400	x			x	x	x	x	x	x	x	x	x	x							
13	13	642	300	✓	300	x			x		x	x	x	x	x	x	x	x							
14	14	643	250	✓	250	x			xx		xx	x	xx	x	x										
15	15	644	200	✓	200	x			x		x	x	x	x	x	x	x	x							
16	16	645	175	✓	175	x			x		x	x	x	x	x										
17	17	646	150	✓	150	x			x		x	x	x	x	x	x	x	x							
18	18	647	125	✓	125	x			x		x	x	x	x	x										
19	19	648	100	✓	100	xx			x		x	x	x	x	x	x	x	x							
20	20	649	75	✓	75	x			x		x	x	x	x	x										
21	21	650	50	✓	50	x			x		x	x	x	x	x	x	x	x							
22	22	651	25	✓	25	x			x		x	x	x	x	x	x	x	x							
23	23	652	10	✓	10	x			x		x	xx	xx	xx	xx	x	x	x							
24	24	653	5	✓	5	x			x		x	x	x	x	x				x						

Version: 01-Dec-22

Profile type: ROS
Watchkeeper(s): M3

Bottom Depth: 4223
Trans Clean: Y N Fl. Clean: X / N
Par Status: On / Off

Time UTC Local
Start 0946 0246
Bottom 1057 0357
End 1234 0534

Positional Information
Lat: 50 ° 0 020 N
Lon: 144 ° 59 958 W

Bottom
Lat: 50 ° 0 005 N
Lon: 145 ° 0 019 W

End
Lat: 50 ° 0 012 N
Lon: 145 ° 0 017 W

Extra comments:
Deep
Oxy, DIC, nuts, sal, "OC", Rib, Sag, FISH, DNA, POC

NEW EVENT # FOR URG 87

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station:

P26

Event #:

88

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

9 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:			Comments	
			Target Pressure	Confirmed Pressure	IOS Me-d	IOS Me-T	IOS Lig	U Sher Lig-CG	Nut-F	Nut-C	Sal	All Samples	Save sheet after printing labels: YES
r5		623	200		X	X		X	X		X		
r4		624	150		X	X		X					
r3		625	100		X	X	xxx	X					
2		626	75		X	X		X					
r1		627	50		X	X	xxx	X					
6		628	35		X	X	xxx	X					
7		629	10		X	X	xxx	X					
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: GO-R-~~REE~~

Watchkeeper(s): JC

Bottom Depth: 4243

Trans Clean: X / N Fl. Clean: Y / N

Par Status: On / Off

Time	UTC	Local
Start	1413	6713
Bottom	1439	
End	1450	

Positional Information

Lat: 50 ° 0 008 N

Lon: 145 ° 00. 01 W

Bottom

Lat: 50 ° 0 019 N

Lon: 144 ° 59 974 W

End

Lat: ° N

Lon: MISSED W

Extra comments:

TMSshallow

Water Properties Group

Program
STN List:

Line_P

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2023-066

Station: P26

Event #: 89

Ship: JP Tully

UTC Date (dd-mm-yyyy):

9 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lets:		Comments	
			Target Pressure	Confirmed Pressure	IOS Me-d	IOS Me-T	IOS Lig	U Sher Lig-CG	Nut-F	Nut-C	Sal	Save sheet after printing labels: YES
5		617	1500		x	x		x	x	x		
4		618	1200		xx	xx		x				
r3		619	1000		x	x		x				
2		620	800		x	x		x				
r1		621	600		x	x		x				
6		622	400		x	x		x				
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

Profile type: Bot ROS

Watchkeeper(s): JC

Bottom Depth: 4242

Trans Clean: Y N F.I. Clean: Y N

Par Status: On / Off

Time	UTC	Local
Start	1630	0930
Bottom	1716	
End	1810	

Positional Information

Lat:	49 ° 59.95	N
Lon:	145 ° 00.00	W

Lat:	49 ° 59.96	N
Lon:	144 ° 59.96	W

Lat:	50 ° 00.00	N
Lon:	144 ° 59.91	W

Extra comments:

TMDep

Water Properties Group

Program
STN List:

All Stns

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

Station:

P26

Event #:

92/91

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists:						Comments
			Target Pressure	Confirmed Pressure	M/A	M/A	M/A	M	DD	M/R	HPLC	VAR	R	R	L	G-H	AR				
1		654	600	✓	599	xx	x	x	xx										One Nut-C !!		
2		655	200	✓	200	xx	x	x	x				X						Rosette 268 stop		
3		656	150	✓	156	xx	x	x	x										1905 → 19:14		
4		657	100	✓	101	xx			x	x									STOP FILE @ 1005 ↓		
5		658	75	✓	78	xx			xx	x									Start 91 ↑		
6		659	60	✓	60				x	x	xx								Scan Error @ 401		
7		660	50	✓	50	xx			x	x	xx										
8		661	40	✓	40	xx			x	x	xx										
9		662	30	✓	30	xx	x	x	x	x	xx										
10		663	25	✓	24	xx			x	xx											
11		664	20	✓	20	xxx	xx	xx	x	x											
12		665	15	✓	16	xx			x	x	xx								90		
13		666	10	✓	10	xx			x	x											
14		667	5	✓	6	xx	x	x	x												
15		668	5	✓	6				x	xx				x	x						
16		669	0	✓	28	xx	x	x	xx												
17		670	1%	✓	60														91		
18		671	Chl Max	✓	50								X								
19		672	15%	✓	20								X								
20		673	5	✓	5								X								
21		674	10	✓	10												X				
22		675	10	✓	11												X				
23		676	1000	✓	1002													X			
24		677	5	✓	5													X			

Version: 01-Dec-22

23 1.2 3 4 5 [6.0] [18.7] 8 9 10 [11.1] 12 [13.1] 14 15 20 24 16

Profile type: ROS

Watchkeeper(s): G

Bottom Depth: 424

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1858 1158

Bottom 1927

End 2016

Positional Information

Lat: 50 ° 00.01 N

Lon: 145 ° 00.17 W

Lat: 50 ° 00.00 N

Lon: 145 ° 00.05 W

Lat: 49 ° 59.97 N

Lon: 145 ° 00.00 W

Extra comments:

DMS

OUT-OF-ORDER!

Water Properties Group

Program
STN List:

SOG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

16

Event #:

117

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

13 05 23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		All Samples		Comments
			Target Pressure	Confirmed Pressure	M/TW OXY	Nut-F	Sal	CHL	HP/LC	3He	Sta Iso	Iodine		Save sheet after printing labels: YES
1		678	Bot-5	✓ 148		x	x							
2		679	125	✓ 125		x	xx							
3		680	100	✓ 100		x	x							
4		681	75	✓ 75		x	x							
5		682	50	✓ 50		xx	x							
6		683	40	✓ 40		x	x							
7		684	30	✓ 30		x	x							
8		685	20	✓ 20		x	x		x					
9		686	10	✓ 10		x	xx		x					
10		687	5	✓ 5		xx	x		xx		x		x	
11		688	0	✓ 1		x	x		x					
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): MGS

Bottom Depth: 154

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 2141 1441

Bottom 2145

End 2157

Positional Information

Lat: 49 ° 57.75 N

Lon: 125 ° 08.74 W

Bottom

Lat: 49 ° 57.76 N

Lon: 125 ° 08.75 W

End

Lat: 49 ° 57.76 N

Lon: 128 ° 08.79 W

Extra comments:

Water Properties Group

Program
STN List:

SOG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

14

Event #:

118

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

18 05 23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:				All Samples		Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	OXY	DA	Biotox			
1		689	Bot-5	✓ 810	x						x					
2		690	300	✓ 301	x	x					xx					
3		691	250	✓ 250	x						x					
4		692	200	✓ 200	x						x					
5		693	175	✓ 175	x						x					
6		694	150	✓ 150	x						x					
7		695	125	✓ 125	x						x					
8		696	100	✓ 100	xx						x					
9		697	75	✓ 75	x						x					
10		698	50	✓ 50	xx						x					
11		699	40	✓ 40	x						x					
12		700	30	✓ 30	x						x					
13		701	20	✓ 20	x		xx				x					
14		702	10	✓ 10	x		x				xx					
15		703	5	✓ 5	x		x				x					
16		704	0	0.6							x		xx			Biotox: 1 sample 2 labels
17		705	0	0.6	x		x	xx	x			xx				
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): MS

Bottom Depth: 314

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 2259 1559

Bottom 2306

End 2330

Positional Information

Lat: 49 ° 53.06 N

Lon: 124 ° 59.53 W

Bottom

Lat: 49 ° 53.06 N

Lon: 124 ° 59.54 W

End

Lat: 49 ° 53.04 N

Lon: 124 ° 59.58 W

Extra comments:

Water Properties Group

Program
STN List: SoG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

12

Event #:

120

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

14 - 05 - 23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:						Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	Chito	OXY	DIC	DA	Biotox	Chito-G	
1		706	Bot-5	✓ 350	xx							x	x				
2		707	300	✓ 300	x						xxxxxx	x				x	
3		708	250	✓ 250	x	x					xxxxxx	x	xx			x	
4		709	200	✓ 201	x							xx	x				
5		710	175	✓ 175	x							xx					
6		711	150	✓ 151	x						xxxxxx	x	x			x	
7		712	125	✓ 126	x							x	x				
8		713	100	✓ 101	x							x	x				
9		714	75	✓ 76	x							x	x				
10		715	50	✓ 50	xx						xxxxxx	x	xx			x	
11		716	40	✓ 40	x							x	x				
12		717	30	✓ 30	x							x	x				
13		718	20	✓ 20	x		x				xxxxxx	x	x			x	
14		719	10	✓ 10	x		x				xxxxxx	x	x			x	
15		720	5	✓ 5	x		x				xxxxxx	x	x			x	
16		721	0	✓ 0.3								x	x		xx		Biotox: 1 sample 2 labels
17		722	0	✓ 0.3	x		xx	xx	x					xx			
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s):

Bottom Depth: 353

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 0148 1848

Bottom 0156

End 0225

Positional Information

Lat: 49 ° 43.72 N

Lon: 124 ° 40.84 W

Bottom

Lat: 49 ° 43.71 N

Lon: 124 ° 40.91 W

End

Lat: 49 ° 43.67 N

Lon: 124 ° 40.85 W

Extra comments:

CH170

Water Properties Group

Program
STN List:

Soc

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

9

Event #:

122

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

14 05 23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All Samples		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	OXY	3He	Sta Iso	Iodine	Save sheet after printing labels:	YES
1		723	Bot-5	✓ 163	xx						x					
2		724	150	✓ 150	x	x					x					
3		725	125	✓ 125	x						x					
4		726	100	✓ 100	x						x					
5		727	75	✓ 76	x						x					
6		728	50	✓ 50	x						x					
7		729	40	✓ 40	x						x					
8		730	30	✓ 30	x						xx					
9		731	20	✓ 20	x		x				xx					
10		732	10	✓ 10	xx		x				x					
11		733	5	✓ 5	x		x				x	xx	x	x		
12		734	0	✓ 0.6	x		xx	xx			x					
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:	ROS
Watchkeeper(s):	MS

Bottom Depth:	375
Trans Clean:	Y / N
Fl. Clean:	Y / N
Par Status:	On / Off

Time	UTC	Local
Start	0402	2102
Bottom	0406	
End	0422	

Positional Information

Lat:	49 ° 35.49	N
Lon:	124 ° 38.24	W

Bottom

Lat:	49 ° 35.50	N
Lon:	124 ° 38.21	W

End

Lat:	49 ° 35.54	N
Lon:	124 ° 38.14	W

Extra comments:

Water Properties Group

Program
STN List:

SOG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

6

Event #:

123

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

14, 05, 23

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken						Sample Lists:		All Samples						Comments	
			Target Pressure	Confirmed Pressure	Pressure	Nut-F	Sal	CHL	A/O	HP/LC	Lugol's	FLC	OXY								Save sheet after printing labels: YES
1		735	Bot-5	✓	187	x							x								
2		736	175	✓	175	x	x						x								
3		737	150	✓	150	x							xx								
4		738	125	✓	125	x							x								
5		739	100	✓	100	x							x								
6		740	75	✓	75	xx							x								
7		741	50	✓	50	x							x								
8		742	40	✓	40	x							x								
9		743	30	✓	30	x							x								
10		744	20	✓	20	xx							xx								
11		745	10	✓	10	x		xx					x								
12		746	5	✓	5	x		x					x								
13		747	0	✓	0.7	x		x		xx			x								
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

Profile type: ROS

Watchkeeper(s): MG

Bottom Depth: 191

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On Off

Time UTC Local

Start 0526 2226

Bottom 0531

End 0548

Positional Information

Lat: 49 ° 30.68 N

Lon: 124 ° 27.94 W

Bottom

Lat: 49 ° 30.67 N

Lon: 124 ° 27.89 W

End

Lat: 49 ° 30.66 N

Lon: 124 ° 27.78 W

Extra comments:

Water Properties Group

Program
STN List:

SoG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

3

Event #:

126

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

14-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	OXY	All Samples	Save sheet after printing labels:	YES
1	1	748	Bot-5	✓ 313.6	x						x			
2	2	749	300	✓ 300	x	x					xx			
3	3	750	250	✓ 250	x						x			
4	4	751	200	✓ 200	x						x			
5	5	752	175	✓ 175	x						x			
6	6	753	150	✓ 150	x						x			
7	7	754	125	✓ 125	x						x			
8	8	755	100	✓ 100	x						x			
9	9	756	75	✓ 75.5	x						x			
10	10	757	50	✓ 49.8	x						x			
11	11	758	40	✓ 39.7	x						x			
12	12	759	30	✓ 30.3	xx						x			
13	13	760	20	✓ 19.7	xx		x				x			
14	14	761	10	✓ 10.3	x		x				x			
15	15	762	5	✓ 4.6	x		xx				xx			
16	16	763	0	✓ 1.1	x		x	xx			x			
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS

Watchkeeper(s): S. Kyrush, D. Caldwell

Bottom Depth: 0058

Trans Clean: Y N Fl. Clean: Y / N

Par Status: On Off

Time	UTC	Local
Start	07:58	0058
Bottom	08:02	0102
End	08:20	0120

Positional Information

Lat: 49 ° 26.625 N

Lon: 124 ° 20.262 W

Bottom

Lat: 49 ° 26.640 N

Lon: 124 ° 20.32 W

End

Lat: 49 ° 26.640 N

Lon: 124 ° 20.34 W

Extra comments:

FL ~ S.B

Water Properties Group

Program
STN List:

SOG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

2

Event #:

127

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

14-05-2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All Samples				Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	OXY	DA	3He	Sta Iso	Iodine	Biotox	Save sheet after printing labels: YES	
1	1	764	Bot-5	✓ 275	x						x							
2	2	765	250	✓ 250	x	x					x							
3	3	766	200	✓ 200	x						x							
4	4	767	175	✓ 175.6	x						x							
5	5	768	150	✓ 150.6	xx						x							
6	6	769	125	✓ 125.0	x						x							
7	7	770	100	✓ 99.7	xx						x							
8	8	771	75	✓ 74.3	x						x							
9	9	772	50	✓ 48.5	x						x							
10	10	773	40	✓ 40.9	x						x							
11	11	774	30	✓ 30.9	x						x							
12	12	775	20	✓ 20.3	x		x				x							
13	13	776	10	✓ 10.4	x		x				xx							
14	14	777	5	✓ 4.9	x		x				x		xx	x	x			
15	15	778	0	✓ 1.1							xx					xx	Biotox: 1 sample 2 labels	
16	16	779	0	✓ 1.0	x		xx	xx	x			xx						
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:	ROS
Watchkeeper(s):	SLK/ymdte

Bottom Depth:	
Trans Clean:	Y / N Fl. Clean: Y / N
Par Status:	On / Off

Time	UTC	Local
Start	09:17	02:17
Bottom	09:24	02:21
End	09:41	02:41

Positional Information

Lat:	49 ° 24.115	N
Lon:	124 ° 9.274	W

Bottom

Lat:	49 ° 24.100	N
Lon:	124 ° 9.270	W

End

Lat:	49 ° 24.060	N
Lon:	124 ° 9.250	W

Extra comments:

F123.65

Water Properties Group

Program
STN List:

SOG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

22

Event #:

131

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

14 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		All Samples		Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	DA	Biotox			Save sheet after printing labels: YES
1	1	780	Bot-5	✓ 348.2	xx	xx								
2	2	781	20	✓ 10.7	x	x	xx							
3	3	782	10	✓ 8.6	x	xx	x							
4	4	783	5	✓ 5.4	x	x								
5	5	784	0	✓ 1.5	x	x		xx	x	xx	xx			Biotox: 1 sample 2 labels
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Profile type:	ROS
Watchkeeper(s):	Smk

Bottom Depth:	332
Trans Clean:	Y / N Fl. Clean: Y / N
Par Status:	On / Off

Time	UTC	Local
Start	12:40	0540
Bottom	12:48	0540
End	12:57	0557

Positional Information

Lat:	49 ° 40.19	N
Lon:	124 ° 16.29	W

Bottom

Lat:	49 ° 40.19	N
Lon:	124 ° 16.27	W

End

Lat:	49 ° 40.19	N
Lon:	124 ° 16.25	W

Extra comments:

Water Properties Group

Program STN List: SoG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

27

Event #:

137

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

14 May 2023

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:							Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	OXY	DIC	DA	3He	Sta Iso	Iodine		Biotox
1	1	785	Bot-5	✓ 341	x						x	x						
2	2	786	300	✓ 300	x						x	x						
3	3	787	250	✓ 250	x	x					xx	x						
4	4	788	200	✓ 200	x						x	x						
5	5	789	175	✓ 175	x						x							
6	6	790	150	✓ 150	x						xx							
7	7	791	125	✓ 125	x						x							
8	8	792	100	✓ 100	x						x							
9	9	793	75	✓ 75	x						x							
10	10	794	50	✓ 50	xx						x							
11	11	795	40	✓ 40	x						x							
12	12	796	30	✓ 30	x						x							
13	13	797	20	✓ 20	x		x				x							
14	14	798	10	✓ 10	xx		x				x							
15	15	799	5	✓ 5	x		x				x			xx		x		
16	16	800	0	✓ 1.2							x						x	
17	17	801	0	✓ 1.2	x		xx	xx	x				xx					Biotox: 1 sample 2 labels
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ROS

Watchkeeper(s): M3

Bottom Depth: 345

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1820 1120

Bottom 1825

End 1842

Positional Information

Lat: 49 ° 19 070 N

Lon: 123 ° 47 980 W

Bottom

Lat: 49 ° 19 060 N

Lon: 123 ° 47 990 W

End

Lat: 49 ° 19 080 N

Lon: 123 ° 47 980 W

Extra comments:

Water Properties Group

Program
STN List:

SOG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

GEO1

Event #:

138

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

14 05 23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		All Samples		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	Chito	Chito-G			Save sheet after printing labels:	YES
1		802	350	✓ 350	x	x					xxxxxx	x				
2		803	250	✓ 250	x						xxxxxx	x				
3		804	150	✓ 150	xx						xxxxxx	x				
4		805	50	✓ 50	x						xxxxxx	x				
5		806	20	✓ 20	x			x			xxxxxx	x				
6		807	10	✓ 10	x			x			xxxxxx	x				
7		808	5	✓ 5	x			x			xxxxxx	x				
8		809	0	✓	x	x	xx	xx	x							
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): MG

Bottom Depth: 402

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1927 1927

Bottom 1935

End 1952

Positional Information

Lat: 49 ° 14.95 N

Lon: 123 ° 45.13 W

Bottom

Lat: 49 ° 14.97 N

Lon: 123 ° 45.15 W

End

Lat: 49 ° 15.01 N

Lon: 123 ° 45.08 W

Extra comments:

Water Properties Group

Program
STN List:

SoG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

39

Event #:

142

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

14 - 05 - 23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	OXY	All Samples	Save sheet after printing labels:	YES
1		810	Bot-5	✓ 371	x						xx			
2		811	350	✓ 350	x						x			
3		812	300	✓ 300	x	x					x			
4		813	250	✓ 250	x						x			
5		814	200	✓ 200	x						x			
6		815	175	✓ 175	x						x			
7		816	150	✓ 150	x						x			
8		817	125	✓ 125	x						x			
9		818	100	✓ 100	x						x			
10		819	75	✓ 75	x						xx			
11		820	50	✓ 50	xx						x			
12		821	40	✓ 41	x						x			
13		822	30	✓ 30	x						x			
14		823	20	✓ 20	xx		x				x			
15		824	10	✓ 10	x		xx				x			
16		825	5	✓ 5	x		x				x			
17		826	0	✓ 0.6	x		x	xx			x			
18														
19														
20														
21														
22														
23														
24														

Profile type:	ROS
Watchkeeper(s):	MS

Bottom Depth:	375
Trans Clean:	Y / N
Fl. Clean:	Y / N
Par Status:	On / Off

Time	UTC	Local
Start	2319	1619
Bottom	2325	
End	2349	

Positional Information

Lat:	49 ° 09.72	N
Lon:	123 ° 32.98	W

Bottom

Lat:	49 ° 09.79	N
Lon:	123 ° 32.99	W

End

Lat:	49 ° 09.78	N
Lon:	123 ° 33.03	W

Extra comments:

Water Properties Group

Program
STN List:

SOG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

42

Event #:

145

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

15-05-23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:						Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	Chlto	OXY	DIC	DA	Biotox	Chlto-G		
1		827	Bot-5	✓	314	x						x	x					
2		828	300	✓	300	x						x						
3		829	250	✓	250	x	x				xxxxxx	x	x				x	
4		830	200	✓	200	x						x	x					
5		831	175	✓	175	xx						x						
6		832	150	✓	150	x					xxxxxx	xx	x				x	
7		833	125	✓	125	xx						x	x					
8		834	100	✓	100	x						xx	xx					
9		835	75	✓	75	x						x	x					
10		836	50	✓	50	x					xxxxxx	x	x				x	
11		837	40	✓	40	x						x	x					
12		838	30	✓	30	x						x	x					
13		839	20	✓	21	x		x			xxxxxx	x	x				x	
14		840	10	✓	10	x		xx			xxxxxx	x	xx				x	
15		841	5	✓	5.5	x		x			xxxxxx	x	x				x	
16		842	0	✓	0.5							x	x					
17		843	0	✓	0.5	x		x	xx	x				xx				
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Save sheet after printing labels: YES

Profile type: ROS

Watchkeeper(s): MC

Bottom Depth: 318

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 0210 1910

Bottom 0217

End 0239

Positional Information

Lat: 49 ° 01.78 N

Lon: 123 ° 26.21 W

Bottom

Lat: 49 ° 01.78 N

Lon: 123 ° 26.25 W

End

Lat: 49 ° 01.83 N

Lon: 123 ° 26.28 W

Extra comments:

Water Properties Group

Program
STN List:

SocG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

46

Event #:

147

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

15.05.23

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	M/M	OXY	3He	All Samples	Save sheet after printing labels:	YES
1		844	Bot-5	✓ 174	x						x					
2		845	150	✓ 150	x	x					x					
3		846	125	✓ 125	x						x					
4		847	100	✓ 100	xx						x					
5		848	75	✓ 75	x						x					
6		849	50	✓ 50	x						x					
7		850	40	✓ 40	x						xx					
8		851	30	✓ 30	x						x					
9		852	20	✓ 20	x		x				x					
10		853	10	✓ 10	x		x				xx					
11		854	5	✓ 5	xx		x				x	xx	x	x		
12		855	0	✓ 0.5	x		xx	xx			x					
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:	ROS
Watchkeeper(s):	MG

Bottom Depth:	178
Trans Clean:	Y / N
Fl. Clean:	Y / N
Par Status:	On / Off

Time	UTC	Local
Start	0449	2149
Bottom	0453	
End		

Positional Information

Lat:	48 °	51.37	N
Lon:	123 °	10.73	W

Lat:	48 °	51.35	N
Lon:	123 °	10.74	W

Lat:	°		N
Lon:	°		W

Extra comments:

Water Properties Group

Program
STN List:

SoG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

56

Event #:

149

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

15 May 2023

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken						Sample Lists:			All Samples			Comments		
			Target Pressure	Confirmed	Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	OXY	DA	Biotox				Save sheet after printing labels:	YES	
1	1	856	Bot-5	✓	205	x						x								
2	2	857	200	✓	200	xx	x					x								
3	3	858	175	✓	175	x						x								
4	4	859	150	✓	150	x						x								
5	5	860	125	✓	125	x						x								
6	6	861	100	✓	100	xx						x								
7	7	862	75	✓	75	x						xx								
8	8	863	50	✓	50	x						x								
9	9	864	40	✓	40	x						x								
10	10	865	30	✓	30	x						x								
11	11	866	20	✓	20	x		x				x								
12	12	867	10	✓	10	x		x				xx								
13	13	868	5	✓	5	x		x				x								
14	14	869	0	✓	0							x	xx	xx						Biotox: 1 sample 2 labels
15	15	870	0	✓	0	x		xx		xx		x								
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Profile type: ROS

Watchkeeper(s): 143

Bottom Depth: 210

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTG Local

Start 0749 0049

Bottom 0752

End 0806

Positional Information

Lat: 48 ° 46 410 N

Lon: 123 ° 1 590 W

Bottom

Lat: 48 ° 46 416 N

Lon: 123 ° 1 588 W

End

Lat: 48 ° 46 435 N

Lon: 123 ° 1 466 W

Extra comments:

Water Properties Group

Program
STN List: SOG

Sampling Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID:

2023-066

Station:

SC04

Event #:

153

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

15 MAY 2023

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken						Sample Lists:		All Samples		Comments	
			Target Pressure	Confirmed	Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC					Save sheet after printing labels:	YES
1	1	871	20	✓	20	x	x	xx									
2	2	872	10	✓	10	x		x									
3	3	873	5	✓	5	x		x									
4	4	874	0	✓	1.5	x		x	xx	x							
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s): M/B

Bottom Depth: 90

Trans Clean: Y / N Fl. Clean: Y / N

Par Status: On / Off

Time UTC Local

Start 1058 0358

Bottom 1059

End 1104

Positional Information

Lat: 48 ° 43 430 N

Lon: 123 ° 25 050 W

Bottom

Lat: 48 ° 43 430 N

Lon: 123 ° 25 070 W

End

Lat: 48 ° 43 450 N

Lon: 123 ° 25 060 W

Extra comments: