

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID:

2024-002

Station:

14

Event #:

113

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

07-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples				Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	Biotox	Biot-500	POM-FA	SI	
1	1	483	Bot-105	✓ 312	xx										
2	2	484	5	✓ 5			xx								
3	3	485	5	✓ 5									xx		
4	4	486	5	✓ 5											
5	5	487	0	✓ 2.3	x		x	xx	x	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): MB

Bottom Depth: 319

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

Par Status: On / Off

Time	UTC	Local
Start	1432	0632
Bottom	1439	0639
End	1449	0649

Positional Information

Lat: 49 ° 53 067 N

Lon: 124 ° 59 472 W

Bottom

Lat: 49 ° 52 992 N

Lon: 124 ° 59 920 W

End

Lat: 49 ° 52 994 N

Lon: 124 ° 59 978 W

Extra comments:

Plus loops, 2x CHL and 1x SAL

Water Properties Group

Program
STN List:

Sampling Log

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

Cruise ID:

2024-002

Station:

12

Event #:

115

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

07-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: Core Samples						Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	Chlo	DIC	OXY	Biotox	Biot-500	POM-FA	SI	
1		488	Bot-5	✓ 350	x	x					xx	x						
2		489	300	✓ 301	x						x							
3		490	250	✓ 251	xx						x	x	xx					
4		491	200	✓ 200	x							x	x					
5		492	150	✓ 150	x						x	x	x					
6		493	125	✓ 125	x							x	x					
7		494	100	✓ 100	x							x	x					
8		495	75	✓ 75	xx							x	x					
9		496	50	✓ 50	x							x	x	xx				
10		497	40	✓ 40	x							x	x	x				
11		498	30	✓ 30	x							x	x	x				
12		499	20	✓ 21	x		x			x	x	x	x					
13		500	10	✓ 10	x	x	xx			x	x	xx	x					got mixed in did not sample 500A &
14		501	5	✓ 5	x		x				x	x	x					500 B chl
15		502	5	✓ 5												x		
16		503	5	✓ 5													xx	
17		504	0	✓ 2	x							x	x					
18		505	0	✓ 2	x		x	xx	x	x				xx	xx			Biotox: 1 sample 2 labels
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ROS

Watchkeeper(s): CJ

Bottom Depth: 359

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

Par Status: (On) / Off

Time UTC

Local

Start 17:01 0901

Bottom 17:08 0908

End 17:33 0933

Positional Information

Lat: 49 ° 43.333 N

Lon: 124 ° 40.160 W

Bottom

Lat: 49 ° 43.344 N

Lon: 124 ° 40.104 W

End

Lat: 49 ° 43.340 N

Lon: 124 ° 40.169 W

Extra comments:

Plus loops, 2x CHL and 1x SAL

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID:

2024-002

Station:

9

Event #:

116

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

07-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugo's	FLC	Core Samples	
1		506	Bot-10	✓ 160	x							
2		507	5	✓ 5			xx					
3		508	0	✓ 2	xx		x	xx				
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): JT

Bottom Depth: 171

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

Par Status: (On) / Off

Time	UTC	Local
Start	0839	1039
Bottom	1843	1043
End	1848	1048

Positional Information

Lat: 49 ° 35.516 N

Lon: 124 ° 38.250 W

Lat: 49 ° 35.5 N

Lon: 124 ° 38.247 W

Lat: 49 ° 35.504 N

Lon: 124 ° 28.218 W

Extra comments:

Plus loops, 2x CHL and 1x SAL

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID:

2024-002

Station:

6

Event #:

117

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

07-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC					
1		509	Bot-15	✓ 15.9	xx										
2		510	5	✓ 5			x								
3		511	0	✓ 0.1	x		xx	xx							
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): CT

Bottom Depth: 195

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

Par Status: On / Off

Time

UTC

Local

Start

1951

1151

Bottom

1955

End

2002

Positional Information

Lat: 49 ° 30.609 N

Lon: 124 ° 24.784 W

Bottom

Lat: 49 ° 30.634 N

Lon: 124 ° 27.751 W

End

Lat: 49 ° 30.612 N

Lon: 124 ° 27.75 W

Extra comments:

Plus loops, 2x CHL and 1x SAL

Water Properties Group

Program STN List:

SOG

Sampling Log

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

Cruise ID:

2024-002

Station:

3

Event #:

120

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

07 02 24

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples		Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugo's	FLC			
1		512	Bot-15	✓ 319	x								
2		513	5	✓ 5			xx						
3		514	0	✓ 2.1	xx		x	xx					
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Version: 01-Dec-22

Profile type: ROS

Watchkeeper(s): Me

Bottom Depth: 323

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

Par Status: (On) / Off

Time	UTC	Local
Start	2209	1409
Bottom	2215	
End	2225	

Positional Information

Lat: 49 ° 26.613 N

Lon: 124 ° 20.139 W

Bottom

Lat: 49 ° 26.585 N

Lon: 124 ° 20.155 W

End

Lat: 49 ° 26.559 N

Lon: 124 ° 20.16 W

Extra comments:

Plus loops, 2x CHL and 1x SAL

SALINITY 1 0.01 → 0.02 LOWER THAN SALINITY 2

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID:

2024-002

Station:

2

Event #:

121

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugo's	FLC	Biotox	Biotox-500	POM-FA	SI	
1		515	Bot-105	✓ 274	xx										
2		516	5	✓ 5			x								
3		517	5	✓ 5										xx	
4		518	5	✓ 5									x		
5		519	0	✓ 5	x		xx	xx	x	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): Sm R

Bottom Depth: 280

Trans Clean: Y1 N Fl. Clean: Y1 N

Par Status: On / Off

Time UTC Local

Start 2320 1526

Bottom 2326

End 2334

Positional Information

Lat: 49 ° 24.109 N

Lon: 124 ° 9.267 W

Bottom

Lat: 49 ° 24.09 N

Lon: 124 ° 9.28 W

End

Lat: 49 ° 24.127 N

Lon: 124 ° 9.241 W

Extra comments:

Plus loops, 2x CHL and 1x SAL

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID:

2024-002

Station:

24

Event #:

122

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

00-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Core Samples		Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	Biotox	Biol-500		
1		520		✓ 423	xx	xx								
2		521	5	✓ 4.6		x	xx							
3		522	0	✓ 1.5	x		x	xx	x	x	xx	xx		Biotox: 1 sample 2 labels
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): JMK

Bottom Depth: 430

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

Par Status: (PM) 1 Off

Time

UTC

Local

Start

00:25

16:25

Bottom

00:35

16:35

End

00:45

16:45

Positional Information

Lat: 49 ° 30.73

N

Lon: 124 ° 5.944

W

Start

Lat: 49 ° 30.225

N

Bottom

Lon: 124 ° 5.995

W

End

Lat: 49 ° 30.255

N

Lon: 124 ° 6.026

W

Extra comments:

Plus deeper, 300m and 400m

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID:

2024-002

Station:

27

Event #:

124

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

08-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: Core Samples					Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	OXY	DIC	Biotox	Biotox-500	POM-FA	SI	
1		523	Bot-5	✓ 238	x						x	x					
2		524	300	✓ 300	x	x					xx	x					
3		525	250	✓ 250	xx						x	x					
4		526	200	✓ 200	x						x	x					
5		527	5	✓ 5	x	x	xx										
6		528	5	✓ 5										x			
7		529	5	✓ 5											xx		
8		530	0	✓ 2.1	x		x	xx	x	x		xx	xx				Biotox: 1 sample 2 labels
9																	
10		5126	5			x	xx										
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS

Watchkeeper(s): JWD

Bottom Depth: 345

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

Par Status: (On) Off

Time UTC Local

Start 04:10 2010

Bottom 04:17

End 04:31

Positional Information

Lat: 49 ° 19.081 N

Lon: 123 ° 47.943 W

Bottom

Lat: 49 ° 19.087 N

Lon: 123 ° 47.961 W

End

Lat: 49 ° 19.085 N

Lon: 123 ° 47.964 W

Extra comments:

Plus loops, 2x CHL and 1x SAL

DRAWN WHEN POS ON DECK

Water Properties Group

Program
STN List:

SOG

Sampling Log

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

Cruise ID:

2024-002

Station:

GEO1

Event #:

127

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

08-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	Chlto	Biotox	Biotox-500		
1		531	350	✓ 350	x	x					x				10.3° Temp for
2		532	250	✓ 250	x						x				10.1° CHLTD
3		533	150	✓ 150	xx						x				9.9°
4		534	50	✓ 50	x						x				9.4°
5		535	20	✓ 20	x			x		x	x				8.0°
6		536	10	✓ 10	x		x			x	x				7.8°
7		537	5	✓ 5	x		x			x	x				7.6°
8		538	0	✓ 1.8	x	x	xx	xx	x	x		xx	xx		Biotox: 1 sample 2 labels
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS

Watchkeeper(s): JMC

Bottom Depth: 402

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

Par Status: On / Off

Time UTC Local

Start 05:10 2110

Bottom 05:18

End 05:32

Positional Information

Lat: 49 ° 14.939 N

Lon: 123 ° 44.995 W

Bottom

Lat: 49 ° 14.93 N

Lon: 123 ° 45.018 W

End

Lat: 49 ° 14.946 N

Lon: 123 ° 45.014 W

Extra comments:

Pids drops, 1x CHL and 1x SAL

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID:

2024-002

Station:

39

Event #:

129

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

08-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:				Core Samples	Comments
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	POM-FA	SI	Save sheet after printing labels:				
1		539	Bot-5	✓ 370	x			xx									
2		540	5	✓				xx									
3		541	5	✓								xx					
4		542	5	✓								x					
5		543	0	✓	xx		x	xx									
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: 378

Trans Clean: ☒ N FI. Clean: ☒ N

Par Status: ☒ On ☐ Off

Time

UTC

Local

Start

07:13

Bottom

07:20

End

07:29

Positional Information

Lat: 49 ° 27.81

N

Lon: 123 ° 32.968

W

Bottom

Lat: 49 ° 27.735

N

Lon: 123 ° 32.964

W

End

Lat: 49 ° 28.06

N

Lon: 123 ° 32.989

W

Extra comments:

Water Properties Group

Program STN List:

SoG

Sampling Log

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

Cruise ID: 2024-002

Station: 42

42

Event #: 134

Ship: JP Tully

UTC Date (dd-mm-yyyy): 08-02-2024

08-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples					Comments	
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC	Chlo	DIC	OXY	Biotox	Biotox-500	Save sheet after printing labels: YES
1		544	Bot-5	✓ 317	x	x						x	x			
2		545	250	✓ 250	x						x	x	x			
3		546	200	✓ 200	x							xx	x			
4		547	150	✓ 150	x						x	x	x			
5		548	125	✓ 126	x							x	xx			
6		549	100	✓ 100	xx							x	x			
7		550	75	✓ 75	x							xx	x			
8		551	50	✓ 50	x						x	x	x			
9		552	40	✓ 40	x							x	x			
10		553	30	✓ 30	x							x	x			
11		554	20	✓ 20	x		xx			x	x	x	x			
12		555	10	✓ 10	x	x		x		x	x	x	xx			
13		556	5	✓ 5	xx		x			x	x	x	x			
14		557	0	2	x								x			
15		558	0	2	x		x	xx	x	x				xx	xx	Biotox: 1 sample 2 labels
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ROS

Watchkeeper(s): CJ

Bottom Depth: 322

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

Par Status: On / Off

Time	UTC	Local
Start	10:44	0244
Bottom	10:54	0251
End	11:14	0314

Positional Information

Lat: 49 ° 1.932 N

Lon: 123 ° 26.365 W

Lat: 49 ° 1.925 N

Lon: 123 ° 26.424 W

Lat: 49 ° 1.957 N

Lon: 123 ° 26.512 W

Extra comments:

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID: 2024-002 Station: 46 Event #: 130 Ship: JP Tully UTC Date (dd-mm-yyyy): 08-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples		Comments Save sheet after printing labels: YES
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC			
1		559	Bot-5	✓ 173	.xx								
2		560	5	✓ 5			x						
3		561	0	✓ 2	x		xx	xx					
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: ROS

Watchkeepers(s): CA

Bottom Depth: 180

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

Par Status: (On) / Off

Time	UTC	Local
Start	13:17	05:17
Bottom	13:21	05:21
End	13:25	05:25

Positional Information

Lat: 48 ° 51.393	N
Lon: 123 ° 10.730	W

Lat: 48 ° 51.390	N
Lon: 123 ° 10.738	W

Lat: 48 ° 51.373	N
Lon: 123 ° 10.75	W

Extra comments:

Water Properties Group

Program
STN List:

SoG

Sampling Log

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

Cruise ID:

2024-002

Station:

SC04

Event #:

140

Ship:

JP Tully

UTC Date (dd-mm-yyyy):

08-02-2024

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples		Comments Save sheet after printing labels YES
			Target Pressure	Confirmed Pressure	Nut-F	Sal	CHL	HPLC	Lugol's	FLC			
1		562	0	✓ 2	xx	x	xx	xx	x	x			
2													
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): CJ

Bottom Depth: 46

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

Par Status: (On) / Off

Time	UTC	Local
Start	17 16	09 16
Bottom	17 19	09 19
End	17 21	09 21

Positional Information

Lat: 48 ° 43.467 N

Lon: 123 ° 24.952 W

Start

Lat: 48 ° 43.468 N

Lon: 123 ° 24.970 W

Bottom

Lat: 48 ° 43.475 N

Lon: 128 ° 24.976 W

End

Extra comments: