

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2022-022

Station:

SI05

Event #:

1

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 26 | Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments		
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC											
1	1	1	0	✓ 2.4	x	x	xx											
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 ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): RF

Bottom Depth: 177 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0050	1750
Bottom	0054	1754
End	0059	1759

Positional Information

Start	Lat: 48 ° 39.184 N
	Lon: 123 ° 29.993 W

Bottom

Lat: 48 ° 39.184 N
Lon: 123 ° 29.987 W

End

Lat: 48 ° 39.187 N
Lon: 123 ° 29.989 W

Extra comments:
Fired 24 bottles
for testing purposes

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-022 Station: Haro59 Event #: 6 Ship: JP Tully UTC Date (dd|mmm|yyyy): 26 Aug 2022.

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Sal	CHL	HPLC	DIC	BIOTX						
1	1	2	Bot-10	✓ 225.9	x	x				x							
2	2	3	200	✓ 200.5	x	x				x							
3	3	4	150	✓ 149.9	x	x				x							
4	4	5	100	✓ 100.9	x	x				xx							
5	5	6	75	✓ 75.2	x	x				x							
6	6	7	50	✓ 50.7	x	xx				x							
7	7	8	40	✓ 40.3	xx	x											
8	8	9	30	✓ 30.4	x	x		x		xx							
9	9	10	20	✓ 20.1	x	xx		x		x							
10	10	11	10	✓ 10.2	x	x		x		x							
11	11	12	5	✓ 5.1	xx	x	x	xx		x							
12	12	13	0	✓ 2.1	x	x		x	xx	x	xx						
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ROS TRM X-Niskin other?
Watchkeeper(s): RF

Bottom Depth: 233 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	0431	2131
Bottom	0435	2135
End	0455	2155

Positional Information
Start
Lat: 48 ° 36.821 N
Lon: 123 ° 14.790 W

Bottom
Lat: 48 ° 36.809 N
Lon: 123 ° 14.771 W

End
Lat: 48 ° 36.728 N
Lon: 123 ° 14.726 W

Extra comments:
High current here.

Cruise ID: 2022-022

Station: JF2

Event #: 7

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 26/4/22

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples				Comments				
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	CHL	HPLC	DA	Lugol's	DIC	BIOTX	UBC				Save sheet after printing labels: YES		
1	1	14	Bot-5	✓	183	x	xx					x							
2	2	15	150	✓	150	x	x					x							
3	3	16	100	✓	100	x	x					xx							
4	4	17	80	✓	80	xx	x					x							
5	5	18	60	✓	60	x	x					x							
6	6	19	50	✓	50	x	xx	x				x							
7	7	20	30	✓	30	x	x	xx				x							
8	8	21	20	✓	20	x	x	x				x							
9	9	22	10	✓	10	x	x	x				x							
10	10	23	5	✓	5	xx	*	*	xx	x	x	x	xx				FL: 2-5 (~4.5)		
11	11	24	5	✓	5		x	x					x						
12							↑	↑											
13						SAMPLE # + BOT # CHANGED ON LABEL													
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB

Bottom Depth: 186 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1047	0347
Bottom	1050	
End	1105	

Positional Information

Start

Lat: 48 ° 17 840 N

Lon: 124 ° 0 120 W

Bottom

Lat: 48 ° 17 830 N

Lon: 124 ° 0 140 W

End

Lat: 48 ° 17 830 N

Lon: 124 ° 0 210 W

Extra comments:

Cruise ID: 2022-022

Station: LB01

Event #: 10

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 26 Apr 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Core Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC						
1	1	25	Bot-10	✓ 29	x		x	x			x						
2	2	26	20	✓ 20	x		x	xx		xx	xx						
3	3	27	10	✓ 10	xx		x	x		xx	x						
4	5	28	5	✓ 5	x	x	xx				xx						FL: 2-5
5	6	29	5	✓ 5				xx	xx	xx							
6	4	5030	10	✓ 10							X						
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 33 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1642	0942
Bottom	1643	
End	1656	

Positional Information

Start

Lat: 48 ° 40 440 N

Lon: 124 ° 59 520 W

Bottom

Lat: 48 ° 40 456 N

Lon: 124 ° 59 520 W

End

Lat: 48 ° 40 476 N

Lon: 124 ° 59 506 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	Form	Glut	Lugol's	DA	UVIC	BIOTX			
1	1	30	Bot-10	✓ 46	x	x	x											
2	2	31	Bot-10	✓ 46										x				
3	3	32	30	✓ 30	x	x	xx											
4	4	33	30	✓ 30										x				
5	5	34	20	✓ 20	xx	x	x		xx									
6	6	35	10	✓ 10										x				
7	7	36	10	✓ 10	x	x	x		xx									
8	8	37	5	✓ 5	x	xx	x	xx	xx	x	x	x	x					FL 2-5
9	9	38	5	✓ 5										x				
10	10	39	5	✓ 5											x			
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
(ROS) TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 56 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1718	1618
Bottom	1719	
End	1726	

Positional Information

Start

Lat: 48 ° 39 060 N

Lon: 124 ° 2 450 W

Bottom

Lat: 48 ° 39 070 N

Lon: 124 ° 2 450 W

End

Lat: 48 ° 39 090 N

Lon: 124 ° 2 440 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns
Station: LB03

Sampling Log

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

Cruise ID: 2022-022

Station: LB03

Event #: 12

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 26 AUG 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples							Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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1	1	40	5	✓	5	x	xx	xx																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): m3

Bottom Depth: 93 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	1801	1101
Bottom	1803	
End	1806	

Positional Information

Start	Lat: 48 ° 37 3410 N
	Lon: 125 ° 5 570 W
Bottom	Lat: 48 ° 37 350 N
	Lon: 125 ° 5 580 W
End	Lat: 48 ° 37 370 N
	Lon: 125 ° 5 570 W

Extra comments:

Cruise ID: 2022-022

Station: LB04

Event #: 13

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 26 AUG 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed ✓ Pressure	OXY	Nut-F	CHL	HPLC	NH4							
1	1	41	Bot-10	✓ 102	x	x										
2	2	42	75	✓	xx	x										
3	3	43	50	✓	x	xx	x									
4		44	30	✓	x	x	x									
5		45	20	✓	x	x	x		xx							
6		46	10	✓	x	x	xx		xx							
7		47	5	✓	x	x	x	xx	xx							
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB / Jay

Bottom Depth: 112 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1842	1142
Bottom	1844	
End	1856	

Positional Information

Start
Lat: 48 ° 35 750 N
Lon: 125 ° 8 720 W

Bottom
Lat: 48 ° 35 760 N
Lon: 125 ° 8 730 W

End
Lat: 48 ° 35.810 N
Lon: 125 ° 8.750 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC						Save sheet after printing labels: YES			
1	1	48	5	✓ 5.3	x	xx	xx									
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 TRM X-Niskin other?

Watchkeeper(s): KF

Bottom Depth: 104 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1929	1229
Bottom	1931	1231
End	1934	1234

Positional Information

Start Lat: 48 ° 34.020 N
Lon: 125 ° 11.850 W

Bottom Lat: 48 ° 34.020 N
Lon: 125 ° 11.850 W

End Lat: 48 ° 34.020 N
Lon: 125 ° 11.850 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2022-022

Station:

LB06

Event #:

18

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 26 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4							
1	1	49	Bot-10	✓ 104.9	x	x										
2	2	50	100	✓ 100.1	xx	x										
3	3	51	75	✓ 75.0	x	xx										
4	4	52	50	✓ 50.6	x	x	x									
5	5	53	30	✓ 29.9	x	x	xx									
6	6	54	20	✓ 20.3	x	x	x		xx							
7	7	55	10	✓ 9.7	x	x	x		xx							
8	8	56	5	✓ 5.0	x	x	x	xx	xx							
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): Rr

Bottom Depth: 114 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2301	1601
Bottom	2303	1603
End	2315	1615

Positional Information

Lat:	48 ° 32 210	N
Lon:	125 ° 15 410	W

Bottom

Lat:	48 ° 32 200	N
Lon:	125 ° 15 390	W

End

Lat:	48 ° 32 210	N
Lon:	125 ° 15 380	W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists:		Core_Samples		Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC					Save sheet after printing labels: YES	
1	1	57	5	✓ 5.6	x	x	xx						
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 ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 155 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0339	2039
Bottom	0342	2042
End	0347	2047

Positional Information

Start

Lat: 48 ° 28.660 N

Lon: 125 ° 21.940 W

▼

Bottom

Lat: 48 ° 28.680 N

Lon: 125 ° 21.910 W

▼

End

Lat: 48 ° 28.680 N

Lon: 125 ° 21.920 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments				
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC		UVIC	Chito	Save sheet after printing labels.				
1	1	58	Bot-5	✓ 137	x		x				x								
2	2	59	Bot-10	✓ 133	x		x		x		xx								FI: 1.01 (2L)
3	3	60	125	✓ 125	xx		x		x										FI: 1.01 (2L)
4	4	61	100	✓ 100										x					
5	5	62	100	✓ 100	x		xx		x		x								FI: 1.01 (2L)
6	6	63	75	✓ 75	x		x												
7	7	64	50	✓ 50									x						
8	8	65	50	✓ 50	x		x	x			x								
9	9	66	50	✓ 50										x					
10	10	67	30	✓ 30									x						
11	11	68	30	✓ 30	x		x	x			xx								
12	12	69	20	✓ 20	x		x	x		xx	x								
13	13	70	20	✓ 20										x					
14	14	71	10	✓ 10									x						
15	15	72	10	✓ 10	x		x	xx		xx	x								
16	16	73	10	✓ 10										x					
17	17	74	5	✓ 5	x	x				xx	x								
18	18	75	5	✓ 5			x	x	xx										FI: 75.0
19	19	76	5	✓ 5										x					
20	20	77	5	✓ 5									x						
21																			
22																			
23																			
24																			

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB

Bottom Depth: 143 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0851	0151
Bottom	0854	
End	0909	

Positional Information

Start

Lat: 48 ° 25 290 N

Lon: 125 ° 28 630 W

Bottom

Lat: 48 ° 25 290 N

Lon: 125 ° 28 630 W

End

Lat: 48 ° 25 280 N

Lon: 125 ° 28 640 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2022-022

Station:

LB09

Event #:

37

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 27 Apr 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4									
1	1	78	Bot-10	✓ 141	x	x		x										FI: 1.3 (1250 small)
2	2	79	125	✓ 125	x	xx		x										FI: ~1.2 (1250 small)
3	3	80	100	✓ 100	x	x		x										FI: ~1.2 (1250 small)
4	4	81	75	✓ 75	x	x												
5	5	82	50	✓ 50	x	x	x											
6	6	83	30	✓ 30	x	x	xx											
7	7	84	20	✓ 20	xx	x	x		xx									
8	8	85	10	✓ 10	x	x	x		xx									
9	9	86	5	✓ 5	x	x	x	xx	xx									FI: ~1.5 (small)
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Waterkeeper(s): MB

Bottom Depth: 150 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1102	0402
Bottom	1105	
End	1108	

Positional Information
Start Lat: 48 ° 21 940 N
Lon: 125 ° 34 690 W

Bottom Lat: 48 ° 21 940 N
Lon: 125 ° 34 680 W

End Lat: 48 ° 21 920 N
Lon: 125 ° 34 720 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC									
1	1	87	5	✓ 5.3	x	x	xx									
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
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14																
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16																
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18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): JS

Bottom Depth: 153 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1209	0511
Bottom	1212	0512
End	1216	0516

Positional Information

Start

Lat: 48 ° 18.500 N

Lon: 125 ° 41.320 W

Bottom

Lat: 48 ° 18.480 N

Lon: 125 ° 41.330 W

End

Lat: 48 ° 18.470 N

Lon: 125 ° 41.330 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2022-022

Station: LB11

Event #: 39

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 27|08|2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4									
1	1	88	Bot-10	✓ 195	x	x												
2	2	89	175	✓ 175	x	xx												
3	3	90	150	✓ 150	x	x												
4	4	91	125	✓ 125	x	x												
5	5	92	100	✓ 100	x	x												
6	6	93	75	✓ 75	x	x												
7	7	94	50	✓ 50	xx	x	x											
8	8	95	30	✓ 30	x	x	x											
9	9	96	20	✓ 20	x	x	xx		xx									
10	10	97	10	✓ 10	x	x	x		xx									
11	11	98	5	✓ 5	x	x	x	xx	xx									FL:
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): MG

Bottom Depth: 207 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1317	0617
Bottom	1322	
End	1340	

Positional Information

Start	Lat: 48 ° 15.19 N
	Lon: 125 ° 47.68 W

Bottom

Lat: 48 ° 15.18 N
Lon: 125 ° 47.69 W

End

Lat: 48 ° 15.190 N
Lon: 125 ° 47.746 W

Extra comments:

Cruise ID: 2022-022

Station: LB12

Event #: 42

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 27 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples							Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Nut-C	CHL	HPLC	NH4	Lugol's	Glut	Form	DA	BIOTX		
1	1	99	Bot-10	✓ 489	x	x	x										
2	2	100	400	✓ 400	x	xx	xx										
3	3	101	300	✓ 300	xx	x											
4	4	102	250	✓ 250	x	x											
5	5	103	200	✓ 200	x	x											
6	6	104	175	✓ 175	x	x											
7	7	105	150	✓ 150	x	x											
8	8	106	125	✓ 125	x	x											
9	9	107	100	✓ 100	x	x											
10	10	108	75	✓ 75	x	x											
11	11	109	50	✓ 50	x	xx		x									
12	12	110	30	✓ 30	x	x		xx									
13	13	111	20	✓ 20	x	x		x		xx							
14	14	112	10	✓ 10	xx	x		x		xx							
15	15	113	5	✓ 5	x	x		x	xx	xx	x	x	x	x			
16	16	114	5	✓ 5											xx		
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Waterkeeper(s): MB

Bottom Depth: 516 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1503	08
Bottom	1511	
End	1539	

Positional Information

Lat: 48 ° 12 880 N

Lon: 125 ° 51 850 W

Lat: 48 ° 12 890 N

Lon: 125 ° 51 880 W

Lat: 48 ° 12 920 N

Lon: 125 ° 51 880 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	Nut-F	CHL	HPLC									
1	1	115	5	✓ 5	x	xx	xx									
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 TRM X-Niskin other?

Waterkeeper(s): MG

Bottom Depth: 914 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1621	0921
Bottom	1636	
End	1652	

Positional Information

Start

Lat: 48 ° 10.58 N

Lon: 125 ° 55.97 W

Bottom

Lat: 48 ° 10.54 N

Lon: 125 ° 55.94 W

End

Lat: 48 ° 10.59 N

Lon: 125 ° 55.97 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4						
1	1	116	Bot-10	✓ 1170	x		x	x									Depth changed.
2	2	117	1000	✓ 1002	xx	xx	x	x									
3	3	118	750	✓ 749	x	x	x	x									Accidentally fired bottle right away :-
4	5	119	500	✓ 500	x	x	xx	xx									
5	6	120	400	✓ 400	x		x	x									Bottle 20 is used to replace bot 3
6	7	121	300	✓ 300	x		x										
7	8	122	250	✓ 250	x		x										
8	9	123	200	✓ 200	x		x										
9	10	124	175	✓ 176	x		x										
10	11	125	150	✓ 150	x		x										
11	12	126	125	✓ 126	xx		x										
12	13	127	100	✓ 101	x		x										
13	14	128	75	✓ 76	x		x										
14	15	129	50	✓ 50	x		x		x								
15	16	130	30	✓ 31	x		xx		x								
16	17	131	20	✓ 20	x		x		x		xx						
17	18	132	10	✓ 10	x		x		xx		xx						
18	19	133	5	✓ 5	x		x		x	xx	xx						
19																	
20	4	118	750	✓ 750													Firing this one to replace bot 3
21																	
22																	
23																	
24																	

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): SS

Bottom Depth: 1172 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1730	1030
Bottom	1750	1050
End	1833	1133

Positional Information

Start

Lat: 48 ° 08.520 N

Lon: 125 ° 59.940 W

Bottom

Lat: 48 ° 08.500 N

Lon: 125 ° 59.890 W

End

Lat: 48 ° 08.480 N

Lon: 125 ° 59.960 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC									
1	1	134	5	✓ 5.1	x	xx	xx									
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 TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 1538 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1941	1241
Bottom	2008	1308
End	2052	1352

Positional Information

StartLat: 48 ° 4.370 N
Lon: 126 ° 8 350 W

BottomLat: 48 ° 4.350 N
Lon: 126 ° 8.320 W

EndLat: 48 ° 3.760 N
Lon: 126 ° 9.790 W

Extra comments:
delayed recording of End lat/long/time

Cruise ID: 2022-022

Station: LB16

Event #: 46

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 27 | Aug | 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC									
1	1	135	5	✓ 45	x	x	xx									
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 TRM X-Niskin other?

Watchkeeper(s): EY/RF

Bottom Depth: 1800 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	21:42	14:42
Bottom	22:14	15:14
End	22:43	15:43

Positional Information

Start

Lat: 48 ° 0.539 N

Lon: 126 ° 16.918 W

Bottom

Lat: 48 ° 0.550 N

Lon: 126 ° 16.928 W

End

Lat: 48 ° 0.550 N

Lon: 126 ° 16.880 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4						
1	1	136	Bot-10	✓ 147	x		x	x									
2	2	137	1250	✓ 1250	x	x	xx	xx									
3	3	138	1000	✓ 1000	x	xx	x	x									
4	4	139	750	✓ 750	xx	x	x	x									
5	5	140	500	✓ 500	x	x	x	x									
6	6	141	400	✓ 400	x		x	x									
7	7	142	300	✓ 300	x		x										
8	8	143	250	✓ 250	x		x										
9	9	144	200	✓ 200	x		x										
10	10	145	175	✓ 175	xx		x										
11	11	146	150	✓ 150	x		x										
12	12	147	125	✓ 125	x		xx										
13	13	148	100	✓ 100	x		x										
14	14	149	75	✓ 75	x		x										
15	15	150	50	✓ 50	x		x		xx								
16	16	151	30	✓ 30	x		x		x								
17	17	152	20	✓ 20	x		x		x		xx						
18	18	153	10	✓ 10	xx		x		x		xx						
19	19	154	5	✓ 5	x	x	x		x	xx	xx						
20			TOP VALVE NOT SEATED - LEAKY														FL 1.5 (LARGE)
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): MB/JRF

Bottom Depth: 1466 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0636	2336
Bottom	0702	
End	0749	

Positional Information
Start
Lat: 48 ° 19 9.0 N
Lon: 126 ° 26 8.0 W

Bottom
Lat: 48 ° 18 98.5 N
Lon: 126 ° 26 93.2 W

End
Lat: 48 ° 19 16.2 N
Lon: 126 ° 27 07.8 W

Extra comments:

Cruise ID: 2022-022

Station: LC09

Event #: 55

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 28 | 08 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	Nut-C	CHL	HPLC	NH4	DIC	Lugol's	DA	Chito	UVIC	BIOTX	YES	
1	1	155	Bot-10	✓ 607	x	x	xx				x							
2	2	156	500	✓ 500	x	x	x				x							
3	3	157	400	✓ 400	x	x	x				xx							
4	4	158	300	✓ 300	x	x					x							
5	5	159	250	✓ 250										x				
6	6	160	250	✓ 250	xx	x					x							
7	7	161	200	✓ 200	x	x					x							STIFF SPIGOT
8	8	162	175	✓ 175	x	x												
9	9	163	150	✓ 150	x	x					x			x				
10	10	164	125	✓ 125	x	xx												
11	11	165	100	✓ 100	x	x					xx							
12	12	166	75	✓ 75	xx	x												
13	13	167	50	✓ 50	x	x		x			x							
14	14	168	50	✓ 50										x	x			
15	15	169	30	✓ 30											x			
16	16	170	30	✓ 30	x	x		xx			x							
17	17	171	20	✓ 20	x	x		x		xx								
18	18	172	20	✓ 20										x				
19	19	173	10	✓ 10	x	x		x		xx	x							LEAK TOP VALVE NOT SEATED
20	20	174	10	✓ 10										x	x			
21	21	175	5	✓ 5	x					xx	x							
22	22	176	5	✓ 5		x		x	xx			x	x					
23	23	177	5	✓ 5										x		xx		
24	24	178	5	✓ 5											x			

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MG

PAR ON

Bottom Depth: 607 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0952	0252
Bottom	1003	
End	1036	

Positional Information

Start

Lat: 48 ° 25.93 N

Lon: 126 ° 13.67 W

Bottom

Lat: 48 ° 25.92 N

Lon: 126 ° 13.68 W

End

Lat: 48 ° 25.93 N

Lon: 126 ° 13.66 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples					Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC	ubc			
1	1	179	Bot-10	✓ 189	x		x		x		x				FL: ~1 (BEG)
2	2	180	175	✓ 175	x		x		x						FL: ~1 (BEG)
3	3	181	150	✓ 150	x		x		x		x				FL: ~1 (BEG)
4	4	182	125	✓ 125	x		x								
5	5	183	100	✓ 100	x		x				xx				
6	6	184	75	✓ 75	x		xx								
7	7	185	50	✓ 50	xx		x	x			x				STIFF SPIGOT
8	8	186	30	✓ 30	x		x	x			xx				
9	9	187	30	30								x			
10	10	188	20	✓ 20	x		x	x		xx	x				
11	11	189	10	✓ 10	x		x	xx		xx	x				
12	12	190	5	✓ 5		x	x	x	xx	xx					FL: ~2 (LC)
13	13	191	5	✓ 5	x						x				
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Waterkeeper(s): MB

Bottom Depth: _____ m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1407	0707
Bottom	1408	
End	1425	

Positional Information

Start

Lat: 48 ° 29 470 N

Lon: 26 ° 7 050 W

Bottom

Lat: 48 ° 29 460 N

Lon: 26 ° 7 070 W

End

Lat: 48 ° 29 450 N

Lon: 26 ° 7 10 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Core_Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4							
1	1	192	Bot-10	✓ 82	x	x		x								FLC1
2	2	193	75	✓ 75	x	x		x								"
3	3	194	50	✓ 50	xx	x	x	x								"
4	4	195	30	✓ 30	x	x	xx									Michael UVIC
5	5	196	20	✓ 20	x	x	x		xx							Michael UVIC
6	6	197	10	✓ 10	x	xx	x		xx							Michael UVIC
7	7	198	5	✓ 5	x	x	x	xx	xx							Site/Michael F1 ~ 6
8																Site
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB

Bottom Depth: 92 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1647	0847
Bottom	1649	
End	1655	

Positional Information

Start

Lat: 48 ° 36 500 N

Lon: 125 ° 53 980 W

Bottom

Lat: 48 ° 36 520 N

Lon: 125 ° 53 980 W

End

Lat: 48 ° 36 570 N

Lon: 125 ° 54 040 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	Chito							
1	1	199	Bot-10	✓ 157.6	x	x		x									
2	2	200	150	✓ 150.0	x	x		x									
3	3	201	150	✓ 149.9						x							
4	4	202	125	✓ 124.6	x	x		x									
5	5	203	100	✓ 100.3	x	x											
6	6	204	100	✓ 100.4						x							
7	7	205	75	✓ 75.0	x	x											
8	8	206	50	✓ 50.9	x	xx	x										
9	9	207	50	✓ 50.7						x							
10	10	208	30	✓ 30.6	xx	x	xx										
11	11	209	20	✓ 20.5	x	x	x		xx								
12	12	210	20	✓ 20.3						x							
13	13	211	10	✓ 10.7	x	x	x		xx								
14	14	212	10	✓ 10.7						x							
15	15	213	5	✓ 5.2	x	x											
16	16	214	5	✓ 5.2		xx	x	xx	xx								
17	17	215	5	✓ 5.1						x							
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
☒ ROS TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 166 m

Transmisso Cleaned: ☒ Y ☐ N

PAR on

Time	UTC	Local
Start	20 12	13 12
Bottom	20 16	13 16
End	20 32	13 32

Positional Information

Start

Lat: 48 ° 43.420 N

Lon: 125 ° 40.840 W

Bottom

Lat: 48 ° 43.411 N

Lon: 125 ° 40.840 W

End

Lat: 48 ° 43.380 N

Lon: 125 ° 40.820 W

Extra comments:

Cruise ID: 2022-022

Station: LC02

Event #: 75

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 28 | Aug | 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples							Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	DIC	Lugol's	DA	BIOTX			
1	1	216	Bot-10	✓ 101.1	x		x				x						
2	2	217	75	✓ 75.5	x		x				xx						
3	3	218	50	✓ 49.7	xx		x	x			x						
4	4	219	30	✓ 30.2	x		x	x			xx						
5	5	220	20	✓ 20.2	x		xx	x		xx	x						
6	6	221	10	✓ 10.2	x		x	xx		xx	x						
7	7	222	5	✓ 5.0	x	x					x						
8	8	223	5	✓ 5.2			x	x	xx	xx		x	x				
9	9	224	5	✓ 5.1										x			
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MM

Bottom Depth: 110 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	21:58	14:58
Bottom	22:01	15:01
End		

Positional Information

Start

Lat: 48 ° 48.640 N

Lon: 125 ° 30.830 W

Bottom

Lat: 48 ° 48.620 N

Lon: 125 ° 30.820 W

End

Lat: 48 ° 48.550 N

Lon: 125 ° 30.840 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	UVIC					
1	1	225	Bot-10	✓ 87.2	x	x									
2	2	226	75	✓ 75.0	x	xx									
3	3	227	50	✓ 50.7	xx	x	x								
4	4	228	50	✓ 50.6						x					
5	5	229	30	✓ 30.1	x	x	xx								
6	6	230	30	✓ 30.1						x					
7	7	231	20	✓ 20.3	x	x	x		xx						
8	8	232	10	✓ 9.7	x	x	xx		xx						
9	9	233	10	✓ 9.8						x					
10	10	234	5	✓ 5.2	x	x	x	xx	xx						
11	11	235	5	✓ 5.3						x					
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 96 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	<u>2248</u>	<u>1548</u>
Bottom	<u>2250</u>	<u>1550</u>
End	<u>22</u>	<u>15</u>

Positional Information

Start

Lat: 48 ° 50.490 N

Lon: 125 ° 27.800 W

Bottom

Lat: 48 ° 50.490 N

Lon: 125 ° 27.800 W

End

Lat: 48 ° 50.506 N

Lon: 125 ° 27.810 W

Extra comments:

Cruise ID: 2022-022

Station: LD01

Event #: 77

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 28 | Aug | 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4						
1	1	236	Bot-10	✓ 26.0	x	x	x								
2	2	237	20	✓ 20.5	x	x	xx		xx						
3	3	238	10	✓ 10.4	xx	x	xx		xx						
4	4	239	5	✓ 5.2	x	xx	x	xx	xx						
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MM

Bottom Depth: 36 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	00:28	17:28
Bottom	00:30	17:30
End	00:35	17:35

Positional Information

Start
Lat: 48 ° 0.060 N
Lon: 125 ° 43.870 W

Bottom
Lat: 49 ° 0.070 N
Lon: 125 ° 43.870 W

End
Lat: 49 ° 0.070 N
Lon: 125 ° 43.860 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	Lugol's	DA	BIOTX							
1	1	240	Bot-10	✓ 33.8	x	x	x												
2	2	241	30	✓ 29.9	x	x	xx												
3	3	242	20	✓ 19.9	xx	x	x		xx										
4	4	243	10	✓ 10.7	x	xx	x		xx										
5	5	244	5	✓ 5.2	x	x	x	xx	xx	x	x								
6	6	245	5	✓ 5.4								xx							
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 43 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0124	1824
Bottom	0125	1825
End	0132	1832

Positional Information

Start

Lat: 48 ° 58.360 N

Lon: 125 ° 47.210 W

Bottom

Lat: 48 ° 58.360 N

Lon: 125 ° 47.210 W

End

Lat: 48 ° 58.360 N

Lon: 125 ° 47.230 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples					Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4						
1	1	246	Bot-10	✓ 53.1	xx	x	x								
2	2	247	30	✓ 30.3	x	xx	x								
3	3	248	20	✓ 19.7	x	x	x		xx						
4	4	249	10	✓ 10.0	x	x	xx		xx						
5	5	250	5	✓ 4.9	x	x	x	xx	xx						
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 61 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0318	2018
Bottom	0320	2020
End	0327	2027

Positional Information

Start
Lat: 48 ° 53.107 N
Lon: 125 ° 56.920 W

Bottom
Lat: 48 ° 53.110 N
Lon: 125 ° 56.920 W

End
Lat: 48 ° 53.140 N
Lon: 125 ° 56.899 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2022-022

Station:

LD06

Event #:

88

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

28 Aug 2

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4							
1	1	251	Bot-10	✓ 125.0	x		x										
2	2	252	100	✓ 100.6	x		xx										
3	3	253	75	✓ 75.9	x		x										
4	4	254	50	✓ 50.3	x		x	x									
5	5	255	30	✓ 30.9	x		x	x									
6	6	256	20	✓ 20.1	x		x	xx		xx							
7	7	257	10	✓ 11.0	x		x	x		xx							
8	8	258	5		xx	x	x	x	xx	xx							
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: ☒ RO8 TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 136 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	52	
Bottom	0422	
End	023	

Positional Information

Start

Lat: 6° N

Lon: 12° 9' W

Bottom

Lat: 8° N

Lon: 12° W

End

Lat: 8° 6' N

Lon: 10° 00' W

Extra comments:

Water Properties Group

Program STN List: All_Sins

Sampling Log

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

Cruise ID:

2022-022

Station:

LD08

Event #:

90

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	Lugol's	DA	BIOTX			
1	1	259	Bot-10	✓ 750	x		x	x									
2	2	260	750	✓ 750	x	x	xx	xx									
3	3	261	500	✓ 500	xx	x	x	x									
4	4	262	400	✓ 400	x		x	x									
5	5	263	300	✓ 300	x		x										
6	6	264	250	✓ 250	x		x										
7	7	265	200	✓ 200	x		x										
8	8	266	175	✓ 175	x		x										
9	9	267	150	✓ 150	x		x										
10	10	268	125	✓ 125	x		x										
11	11	269	100	✓ 100	x		x										
12	12	270	75	✓ 75	x		xx										
13	13	271	50	✓ 50	x		x		x								
14	14	272	30	✓ 30	xx		x		xx								
15	15	273	20	✓ 20	x		x		x		xx						
16	16	274	10	✓ 10	x		x		x		xx						
17	17	275	5	✓ 5	x		x		x		xx	x	x				
18	18	276	5	✓ 5										xx			
19	19	277	5	✓ 5						xx							FL: < 2 (LARGE)
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): MB

Bottom Depth: 753 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0727	
Bottom	0741	
End	8	

Positional Information

Lat:	8 ° 39 80	N
Lon:	6 ° 2 390	W

Start

Lat:	8 ° 3	N
Lon:	6 ° 3	W

Bottom

Lat:	48 ° 39 0	N
Lon:	° 3 0	W

End

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	UVIC					
1	1	278	Bot-10	1599	x		x	x									
2	2	279	1500	1499	x	xx	xx	xx									
3	3	280	1250	1248	x	x	x	x									
4	4	281	1000	999	x	x	x	x									
5	5	282	750	751	xx	x	x	x									
6	6	283	500	500	x	x	x	x									
7	7	284	400	400	x	x	x	x									293
8	8	285	300	300	x	x	x										293
9	9	286	250	251	x	x	x										Sal
10	10	287	200	200	xx	x	x										Nut-F
11	11	288	175	151	x	x	x										LD11
12	12	289	150	149	x	x	x										LD11
13	13	290	125	126	x	x	x										2022-02
14	14	291	100	100	x	x	x										2022-022
15	15	292	75	75	x	x	x										50 m
16	16	293	50	49	x	X	X		x			x					50 m
17	17	294	30	31					x								bot 16
18	18	295	30	31	x	x	xx		xx								bot 16
19	19	296	20	21								x					
20	20	297	20	20	x	x	x		x		xx						
21	21	298	10	10	x	x	x		x		xx						
22	22	299	5	5	xx	x											
23	23	300	5	4			x		x	xx	xx						
24	24	301	5	4								x					

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MS

Bottom Depth: 1596 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	1255	0555
Bottom	1331	
End	1416	

Positional Information

Start

Lat: 48 ° 28 770 N

Lon: 126 ° 42 910 W

Bottom

Lat: 48 ° 28.73 N

Lon: 126 ° 42.94 W

End

Lat: 48 ° 28.71 N

Lon: 126 ° 42.83 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments	
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Chito	UVIC							
1	1	302	250	✓ 249.4				x								
2	2	303	150	✓ 151.0				x								
3	3	304	50	✓ 50.9					x							
4	4	305	50	✓ 50.6				x								
5	5	306	30	✓ 30.2					x							
6	6	307	20	✓ 20.5				x								
7	7	308	20	✓ 20.2					x							
8	8	309	10	✓ 10.2				x								
9	9	310	10	✓ 10.2					x							
10	10	311	5	✓ 4.6	x	x	xx	x								
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 2055 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2233	1533
Bottom	2306	1606
End	2350	1650

Positional Information

Start

Lat: 48 ° 51.101 N

Lon: 121 ° 19.219 W

Bottom

Lat: 48 ° 51.109 N

Lon: 127 ° 19.230 W

End

Lat: 48 ° 51.090 N

Lon: 127 ° 19.250 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: Core_Samples							Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	Lugol's	Glut	Form	DA	BIOTX				
1	1	312	Bot-10	✓ 968.0	x		x	x												
2	2	313	750	✓ 749.5	x	x	xx	xx												
3	3	314	500	✓ 500.0	xx		x	x												
4	4	315	400	✓ 400.8	x		x	x												
5	5	316	300	✓ 298.8	x		x													
6	6	317	250	✓ 250.4	x		x													
7	7	318	200	✓ 200.2	x		x													
8	8	319	175	✓ 175.2	x		x													
9	9	320	150	✓ 150.3	x		xx													
10	10	321	125	✓ 124.7	x		x													
11	11	322	100	✓ 99.4	x		x													
12	12	323	75	✓ 75.6	x		x													
13	13	324	50	✓ 50.8	x		x		x											
14	14	325	30	✓ 30.0	xx		x		xx											
15	15	326	20	✓ 19.9	x		x		x		xx									
16	16	327	10	✓ 9.8	x		x		x		xx									
17	17	328	5	✓ 4.9	x	x														
18	18	329	5	✓ 4.8			x		x		xx	x	x	x	x					
19	19	330	5	✓ 4.8						xx										
20	20	331	5	✓ 4.7													xx			
21																				
22																				
23																				
24																				

Version: 4MAR2004

Profile type: ~~ROS~~ TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 963 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0505	2205
Bottom	0520	2220
End	0556	2256

Positional Information

Start

Lat: 49 ° 3.470 N

Lon: 127 ° 1.200 W

Bottom

Lat: 49 ° 3.440 N

Lon: 127 ° 1.200 W

End

Lat: 49 ° 3.500 N

Lon: 127 ° 1.180 W

Extra comments:

Cruise ID: 2022-022

Station: LG04

Event #: 111

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 30 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4									
1	1	332	Bot-10	✓ 137	x	x												
2	2	333	125	✓ 125	x	x												
3	3	334	100	✓ 100	x	x												
4	4	335	75	✓ 75	x	xx												
5	5	336	50	✓ 50	x	x	x											
6	6	337	30	✓ 30	xx	x	x											
7	7	338	20	✓ 20	x	x	x		xx									
8	8	339	10	✓ 10	x	x	x		xx									
9	9	340	5	✓ 5	x	x	xx	xx	xx									
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 145 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	0744	0644
Bottom	0747	
End	0801	

Positional Information

Start

Lat: 49 ° 11 294 N

Lon: 126 ° 49 410 W

Bottom

Lat: 49 ° 11 297 N

Lon: 26 ° 47 390 W

End

Lat: 49 ° 11 293 N

Lon: 126 ° 49 406 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken										Sample Lists: Core Samples					Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	Lugol's	Form	Glut	DA	Chito	BIOTX	UVIC				
				✓																
Save sheet after printing labels:																			YES	
1	1	341	Bot-10	✓	91	x	x								x					
2	2	342	75	✓	75	xx	x								x					
3	3	343	50	✓	50	x	xx	x												
4	4	344	50	✓	50										x					
5	5	345	50	✓	50												x			
6	6	346	30	✓	30	x	x	xx												
7	7	347	30	✓	30												x			
8	8	348	20	✓	20										x					
9	9	349	20	✓	20	x	x	x		xx										
10	10	350	10	✓	10	x	x	x		xx										
11	11	351	10	✓	10												x			
12	12	352	10	✓	10										x					
13	13	353	5	✓	5	x				xx										
14	14	354	5	✓	5		x	x	xx		x	x	x	x						
15	15	355	5	✓	5										x					
16	16	356	5	✓	5											xx				
17	17	357	5	✓	5												x			
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Version: 4MAR2021

Transmissometer to be cleaned before next use

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 100 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	10 09	03 09
Bottom	10 11	
End	10 23	

Positional Information

Start

Lat: 49 ° 18 690 N

Lon: 126 ° 38 070 W

Bottom

Lat: 49 ° 18 700 N

Lon: 126 ° 38 090 W

End

Lat: 49 ° 18 700 N

Lon: 126 ° 38 110 W

Extra comments:

Cruise ID: 2022-022

Station: LG01

Event #: 119

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 30 Apr 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	UBC							
1	1	358	Bot-10	✓ 45	x	x	x										
2	2	359	30	✓ 30	xx	x	x										went back up 10m
3	3	360	20	✓ 20	x	xx	xx		xx								instead of down 101
4	4	361	15	✓ 15						x							
5	5	362	10	✓ 11	x	x	x		xx								
6	6	363	5	✓ 5	x	x	x	xx	xx								
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): JS

Bottom Depth: 53 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	11:39	04:39
Bottom	11:40	04:40
End	11:50	04:50

Positional Information

Start

Lat: 49 ° 20.510 N

Lon: 126 ° 35.090 W

Bottom

Lat: 49 ° 20.500 N

Lon: 126 ° 35.100 W

End

Lat: 49 ° 20.490 N

Lon: 126 ° 35.150 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-022

Station: LBP8

Event #: 125

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 30 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples		Comments
			Target Pressure	Confirmed Pressure	CHL	Chito	UVIC			
1	1	364	250	✓ 251.0		x				
2	2	365	150	✓ 149.2		x				
3	3	366	50	✓ 50.3			x			
4	4	367	50	✓ 50.7	x	x				
5	5	368	30	✓ 30.4			x			
6	6	369	20	✓ 20.3	x	x				
7	7	370	10	✓ 10.3			x			
8	8	371	10	✓ 10.1	x	x				
9	9	372	5	✓ 5.0	x	x				
10	10	373	5	✓ 4.8			x			
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): RF

Bottom Depth: 2073 m
Transmisso Cleaned: 6 / N

Time	UTC	Local
Start	2101	1401
Bottom	2133	1433
End	2216	1516

Positional Information
Start
Lat: 49 ° 48.574 N
Lon: 128 ° 16.850 W

Bottom
Lat: 49 ° 48.578 N
Lon: 128 ° 16.780 W

End
Lat: 49 ° 48.532 N
Lon: 128 ° 16.751 W

Extra comments:

Cruise ID: 2022-022

Station: LBP7

Event #: 128

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 30/Jul/2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	Lugol's	Glut	Form	DA			
1	1	374	2000	✓ 2000.7	x	xx	x	x										
2	2	375	1500	✓ 1499.7	xx	xx	x	x										
3	3	376	1250	✓ 1250.5	x	xx	x	x										
4	4	377	1000	✓ 1000.1	x	x	xx	xx										
5	5	378	750	✓ 749.2	x	x	x	x										
6	6	379	500	✓ 500.2	x	x	x	x										
7	7	380	400	✓ 400.6	x	x	x	x										
8	8	381	300	✓ 300.3	x	x	x											
9	9	382	250	✓ 250.9	x	x	x											
10	10	383	200	✓ 200.0	xx	x	x											
11	11	384	175	✓ 173.1	x	x	x											
12	12	385	150	✓ 151.3	x	x	x											
13	13	386	125	✓ 125.8	x	x	x											
14	14	387	100	✓ 99.6	x	x	x											
15	15	388	75	✓ 75.1	x	x	xx											
16	16	389	50	✓ 50.9	x	x	x		x									
17	17	390	30	✓ 31.2	x	x	x		x									
18	18	391	20	✓ 20.6	xx	x	x		xx		xx							
19	19	392	10	✓ 9.8	x	x	x		x		xx							
20	20	393	5	✓ 4.9	x	x												
21	21	394	5	✓ 6.2			x		x	xx	xx	x	x	x	x			
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): BF/KY

Bottom Depth: 2191 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	23:42	1642
Bottom	0:16	1716
End	01:12	1812

Positional Information

Start

Lat: 49 ° 52.345 N

Lon: 128 ° 11.111 W

Bottom

Lat: 49 ° 52.331 N

Lon: 128 ° 11.137 W

End

Lat: 49 ° 52.310 N

Lon: 128 ° 11.174 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4						
1	1	395	Bot-10	✓ 128.27	x		x	x									
2	2	396	1250	✓ 1250.5	x	x	x	x									
3	3	397	1000	✓ 998.12	x	x	xx	xx									
4	4	398	750	✓ 750.2	x		x	x									
5	5	399	500	✓ 500.4	x		x	x									
6	6	400	400	✓ 400.6	xx		x	x									
7	7	401	300	✓ 300.0	x		x										
8	8	402	250	✓ 250.9	x		x										
9	9	403	200	✓ 199.8	x		x										
10	10	404	175	✓ 176.8	x		x										
11	11	405	150	✓ 150.9	x		x										
12	12	406	125	✓ 124.3	x		x										
13	13	407	100	✓ 100.6	x		x										
14	14	408	75	✓ 74.8	x		x										
15	15	409	50	✓ 50.1	xx		xx		x								
16	16	410	30	✓ 31.0	x		x		xx								
17	17	411	20	✓ 20.1	x		x		x		xx						
18	18	412	10	✓ 10.8	x		x		x		xx						
19	19	413	5	✓ 5.3			x		x	xx	xx						
20																	
21																	
22																	
23																	
24																	

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 1282 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0455	2155
Bottom	0517	2217
End	0559	2259

Positional Information

Start

Lat: 49 ° 59.990 N

Lon: 128 ° 0.000 W

Bottom

Lat: 49 ° 59.990 N

Lon: 127 ° 59.990 W

End

Lat: 50 ° 00.000 N

Lon: 127 ° 59.960 W

Extra comments:

Cast 132 - all bottles fired accidentally. Redid as cast 133

Water Properties Group

Program STN List: All Stns

Sampling Log

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

Cruise ID:

2022-022

Station:

LBP3

Event #:

135

Ship:

JP Tully

UTC Date (dd|mmm|yyyy):

31 Aug 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples							Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	Lugol's	Form	Glut	DA	Chito	UVIC		
1	1	414	Bot-10	✓ 155	x		x											
2	2	415	150	✓ 150	x	x	xx								x			
3	3	416	125	✓ 125	x		x											
4	4	417	100	✓ 100	x		x								x			
5	5	418	75	✓ 75	x		x											
6	6	419	50	✓ 50	x		x	x										
7	7	420	50	✓ 50											x			
8	8	421	50	✓ 50													x	
9	9	422	30	✓ 30	x		x	x										
10	10	423	30	✓ 30													x	
11	11	424	20	✓ 20	x		x	xx		xx								
12	12	425	20	✓ 20											x			
13	13	426	10	✓ 10	x		x	x		xx								
14	14	427	10	✓ 10											x			
15	15	428	10	✓ 10													x	
16	16	429	5	✓ 5	xx													
17	17	430	5	✓ 5			x	x	xx	xx	x	x	x	x				Fl: ~2 (2L Burets)
18	18	431	5	✓ 5											x			
19	19	432	5	✓ 5													x	
20																		
21																		
22																		
23																		
24																		

Version: 4MAR2021

Transmissometers to be cleaned before use

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB

Bottom Depth: 164 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0741	0044
Bottom	0747	
End	0802	

Positional Information

Start

Lat: 50 ° 3 0 N

Lon: 127 ° 55 240 W

Bottom

Lat: 50 ° 3 220 N

Lon: 127 ° 55 250 W

End

Lat: 50 ° 3 250 N

Lon: 7 ° 55 230 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	Lugol's	DA	BIOTX			
1	1	433	2000	✓ 2000.6	x	x	x	x									
2	2	434	1500	✓ 1500.9	x	xx	xx	xx									
3	3	435	1250	✓ 1251.7	x	xx	x	x									
4	4	436	1000	✓ 1001.1	x	xx	x	x									
5	5	437	750	✓ 749.4	xx	x	x	x									
6	6	438	500	✓ 501.3	x	x	x	x									
7	7	439	400	✓ 400.3	x	x	x	x									
8	8	440	300	✓ 301.7	x	x	x										
9	9	441	250	✓ 250.4	x	x	x										
10	10	442	200	✓ 199.3	x	x	xx										
11	11	443	175	✓ 175.4	x	x	x										
12	12	444	150	✓ 151.1	xx	x	x										
13	13	445	125	✓ 126.2	x	x	x										
14	14	446	100	✓ 100.4	x	x	x										
15	15	447	75	✓ 74.3	x	x	x										
16	16	448	50	✓ 50.0	x	x	x		xx								
17	17	449	30	✓ 30.0	x	x	x		x								
18	18	450	20	✓ 21.0	xx	x	x		x		xx						
19	19	451	10	✓ 10.4	x	x	x		x		xx						
20	20	452	5	✓ 4.9	x	x											
21	21	453	5	✓ 4.9			x		x	xx	xx	x	x				
22	22	454	5	✓ 5.3										xx			
23																	
24																	

Profile type: RO8 TRM X-Niskin other?

Watchkeeper(s): RF

Bottom Depth: 2173 m

Transmisso Cleaned: 01 N

Time	UTC	Local
Start	0201	1901
Bottom	0235	1935
End	0333	2033

Positional Information

Start

Lat: 50 ° 27.670 N

Lon: 129 ° 54.940 W

Bottom

Lat: 50 ° 27.670 N

Lon: 129 ° 54.990 W

End

Lat: 50 ° 27.650 N

Lon: 129 ° 55.010 W

Extra comments:

Cruise ID: 2022-022

Station: CS02

Event #: 156

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 1 SEP 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	Nut-C	CHL	HPLC	NH4	Chito	UVIC				
1	1	455	Bot-10	✓ 1909	x		x	x									
2	2	456	1500	✓ 1500	x		xx	x									
3	3	457	1250	✓ 1250	x		x	xx									
4	4	458	1000	✓ 1000	x	x	x	x									
5	5	459	750	✓ 750	xx	x	x	x									
6	6	460	500	✓ 500	x	xx	x	x									
7	7	461	400	✓ 400	x		x										
8	8	462	300	✓ 300	x		x										
9	9	463	250	✓ 250	x		x					x					
10	10	464	200	✓ 200	x		xx										
11	11	465	175	✓ 175	x		x										
12	12	466	150	✓ 150	x		x					x					
13	13	467	125	✓ 125	xx		x										
14	14	468	100	✓ 100	x		x										
15	15	469	75	✓ 75	x		x										
16	16	470	50	✓ 50	x		x		x								
17	17	471	50	✓ 50								x					
18	18	472	30	✓ 30	x		x		x								
19	19	473	20	✓ 20	xx		x		x		xx						
20	20	474	20	✓ 20								x					
21	21	475	10	✓ 10	x		x		xx		xx						
22	22	476	10	✓ 10								x	x				
23	23	477	5	✓ 5	x	x	x		x	xx	xx						
24	24	478	5	✓ 5								x	x				

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB

Bottom Depth: 1900 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0835	0135
Bottom	0908	
End	1006	

Positional Information

Start

Lat: 50 ° 41 341 N

Lon: 129 ° 28 092 W

Bottom

Lat: 50 ° 41 446 N

Lon: 129 ° 27 976 W

End

Lat: 50 ° 41 500 N

Lon: 129 ° 27 780 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	UBC							
1	1	479	Bot-5	✓ 95	x												
2	2	480	Bot-10	✓ 90	x	x											
3	3	481	75	✓ 75	x	x											
4	4	482	50	✓ 50	x	x	x										
5	5	483	30	✓ 30	xx	x	xx										
6	6	484	20	✓ 20						x							
7	7	485	20	✓ 20	x	x	x		xx								
8	8	486	10	✓ 10	x	x	x		xx								
9	9	487	5	✓ 5	x	xx	x	xx	xx								<2 (2L)
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): mrs

Bottom Depth: 99 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1338	0638
Bottom	1339	
End	1351	

Positional Information

Lat: 50 ° 49 160 N

Lon: 129 ° 13 090 W

Start

Bottom

End

Lat: 50 ° 49 160 N

Lon: 129 ° 13 100 W

Lat: 50 ° 49 170 N

Lon: 129 ° 13 220 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	NH4	Lugol's	DA	BIOTX	UVIC				
1	1	488	Bot-5	✓ 60.0	x													
2	2	489	Bot-10	✓ 54.0	x		xx											
3	3	490	50	✓ 51.1	xx		x	x										
4	4	491	50	✓ 51.4										x				
5	5	492	30	✓ 30.4	x		x	x										
6	6	493	30	✓ 30.4										x				
7	7	494	20	✓ 19.8	x		x	xx		xx								
8	8	495	10	✓ 10.7	x		x	x		xx								
9	9	496	10	✓ 10.7										x				
10	10	497	5	✓ 5.5	x	x												
11	11	498	5	✓ 5.5			x	x	xx	xx	x	x						
12	12	499	5	✓ 5.7										x				
13	13	500	5	✓ 5.3									xx					
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): MM

Bottom Depth: 64 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	4:13	21:13
Bottom	4:14	21: 4
End	4:26	21:26

Positional Information

Start

Lat: 51 ° 0.040 N

Lon: 128 ° 52.040 W

Bottom

Lat: 51 ° 0.050 N

Lon: 128 ° 52.040 W

End

Lat: 51 ° 0.060 N

Lon: 128 ° 52.080 W

Extra comments:

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2022-022

Station: CS09

Event #: 185

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 2 SEP 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	NH4	Chito	BIOTX					
1	1	501	Bot-5	✓ 189	x											
2	2	502	Bot-10	✓ 184	x	x										
3	3	503	175	✓ 175	x	x										
4	4	504	150	✓ 150	x	x										
5	5	505	150	✓ 150						x						
6	6	506	125	✓ 125	x	xx										
7	7	507	100	✓ 100	x	x										
8	8	508	100	✓ 100						x						
9	9	509	75	✓ 75	x	x										
10	10	510	50	✓ 50	xx	x	x									
11	11	511	50	✓ 50						x						
12	12	512	30	✓ 30	x	x	xx									
13	13	513	20	✓ 20	x	x	x		xx							
14	14	514	20	✓ 20						x						
15	15	515	10	✓ 10	x	x	x		xx							
16	16	516	10	✓ 10						x						
17	17	517	5	✓ 5	x	x	x	xx	xx							F1: 2-5 (104umL)
18	18	518	5	✓ 5						x						
19	19	519	5	✓ 5							xx					
20																
21																
22																
23																
24																

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MB

Bottom Depth: 193 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0806	0106
Bottom	0809	
End	0828	

Positional Information

Start	Lat: 51 ° 12 560 N
	Lon: 128 ° 28 010 W

Bottom

	Lat: 51 ° 12 490 N
	Lon: 128 ° 28 010 W

End

	Lat: 51 ° 12 480 N
	Lon: 128 ° 28 010 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments
			Target Pressure	Confirmed Pressure	CHL	Nut-F	HPLC	DA	BIOTX	UBC	UVSC	P/N			
1	2	520	5	5	x	x	xx	x				x			R22 (24)
2	3	521	5	5					xx						
3	4	522	CHL MY	5						X					
4	5	523	5	5							X				
5	1	524	10	10							X				
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 201 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	12 18	05 18
Bottom	12 21	
End	12 28	

Positional Information

Start

Lat: 51 ° 27 791 N

Lon: 128 ° 29 970 W

Bottom

Lat: 51 ° 27 989 N

Lon: 128 ° 29 947 W

End

Lat: 51 ° 27 980 N

Lon: 128 ° 29 940 W

Extra comments:

OUT OF ORDER

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken								Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	UVIC												
1	1	525		✓ 5	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 ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB

Bottom Depth: _____ m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1606	0906
Bottom	1608	
End	1612	

Positional Information

Start

Lat: 5 ° 23 N

Lon: ° 7 60 W

Bottom

Lat: 51 ° N

Lon: 7 ° 14 W

End

Lat: 5 ° N

Lon: 127 ° 47 W

Extra comments:

Out of Order

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID:

2022-022

Station:

JS01

Event #:

204

Ship:

JP Tully

UTC Date (dd|mmm|yyyy): 03 | Sept | 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	OXY	Sal	Nut-F	CHL	HPLC	DIC	BIOTX						
1	1	526	Bot-5	✓ 369.4	x		x			x							
2	2	527	200	✓ 200.4	x		x			x							
3	3	528	150	✓ 150.6	x		x			xx							
4	4	529	100	✓ 100.2	xx		x			x							
5	5	530	75	✓ 74.9	x		x			x							
6	6	531	50	✓ 50.1	xx		x			x							
7	7	532	30	✓ 30.2	x		x	x		x							
8	8	533	20	✓ 20.2	x		xx	xx		x							
9	9	534	10	✓ 10.0	xx		x	x		x							
10	10	535	5	✓ 4.9	x	x	x	x		xx							
11	11	536	0	✓ 2.1	x		x	x	xx	x							
12	12	537	0	✓ 2.1							xx						
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MM/RF

Bottom Depth: 373 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	03:57	20:57
Bottom	04:03	21:03
End	04:24	21:24

Positional Information

Lat:	50 ° 30.320	N
Lon:	126 ° 27.930	W

Bottom

Lat:	50 ° 30.340	N
Lon:	126 ° 27.960	W

End

Lat:	50 ° 30.340	N
Lon:	126 ° 28.070	W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples					Comments
			Target Pressure	Confirmed Pressure	OXY	Nut-F	CHL	HPLC	Lugol's	DA	Chito	Sal			
1	1	538	Bot-10	✓ 1345	x	x									
2	2	539	300	✓ 300	x	x					x	x			
3	3	540	250	✓ 250	xx	x					x				
4	4	541	200	✓ 200	x	x									
5	5	542	150	✓ 150	x	x					x				
6	6	543	100	✓ 100	x	x									
7	7	544	75	✓ 75	x	xx									
8	8	545	50	✓ 50	x	x					x				
9	9	546	40	✓ 40	xx	x									
10	10	547	30	✓ 30	x	x						x			
11	11	548	20	✓ 20	x	xx	x				x				
12	12	549	10	✓ 10	x	x	x				x				
13	13	550	5	✓ 5	x	x	xx				x				
14	14	551	0	✓ 2.0	x	x	x	xx	x	x					FL: <2(2L)
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MB

Bottom Depth: 354 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1445	0745
Bottom	1452	
End	1516	

Positional Information

Start

Lat: 49 ° 43 600 N

Lon: 124 ° 40 750 W

Bottom

Lat: 49 ° 43 600 N

Lon: 124 ° 40 750 W

End

Lat: 49 ° 43 590 N

Lon: 124 ° 40 780 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	NTF	CHL	HPC	BIOTR									
1	1	552	20	✓	20.4	XX	X										
2	2	553	10	✓	10.4	X	X										
3	3	554	5	✓	5.2	X	XX										
4	4	555	0	✓	2.4	X	X	XX	X								
5																	
6																	
7																	
8																	
9																	
10																	
11																	
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19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): MG/RF

Bottom Depth: 325 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1839	1139
Bottom	1844	1144
End	1855	1155

Positional Information

Start
Lat: 49 ° 28.100 N
Lon: 124 ° 30.030 W

Bottom
Lat: 49 ° 28.100 N
Lon: 124 ° 30.030 W

End
Lat: 49 ° 28.118 N
Lon: 124 ° 30.060 W

Extra comments:

Out of Order

Water Properties Group

Program STN List: All Stns

Sampling Log

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

Cruise ID: 2022-022 Station: CPF1 Event #: 214 Ship: JP Tully UTC Date (dd|mmm|yyyy): 03 | Sept | 202

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	BIOTX									
1	1	556	20	✓ 20.2	x	x											
2	2	557	10	✓ 10.8	x	x											
3	3	558	5	✓ 5.2	x	xx											
4	4	559	0	✓ 1.5	xx	x	xx	xx									
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MM/RF

Bottom Depth: 245 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	21:57	14:57
Bottom	22:02	15:02
End	22:11	15:11

Positional Information

Start	Lat: 49 ° 22.010 N
	Lon: 124 ° 4.990 W

Bottom

	Lat: 49 ° 22.000 N
	Lon: 124 ° 4.990 W

End

	Lat: 49 ° 22.000 N
	Lon: 124 ° 4.950 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples		Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	BIOTX			
1	1	560	20	✓ 20.0	x	x				
2	2	561	10	✓ 10.3	x	xx				
3	3	562	5	✓ 5.0	xx	x				
4	4	563	0	✓ 2.1	x	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 ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 425 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2347	1647
Bottom	2354	1654
End		

Positional Information

Start

Lat: 49 ° 30.420 N

Lon: 124 ° 6.020 W

Bottom

Lat: 49 ° 30.420 N

Lon: 124 ° 6.010 W

End

Lat: 49 ° 30.470 N

Lon: 124 ° 6.030 W

Extra comments:

Cruise ID: 2022-022

Station: 857 22

Event #: 220

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 4 Sept/22

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HRC	Lugol's					Save sheet after printing labels: YES			
1	1	565	20	✓ 19.7	X	X										
2	2	565	10	✓ 10.1	X	X										
3	3	566	5	✓ 5.1	XX	XX										
4	4	567	0	✓ 2.1	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 ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 354 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0221	1921
Bottom	0228	1928
End	0234	1939

Positional Information

Start
Lat: 49 ° 40.320 N
Lon: 124 ° 16.465 W

Bottom
Lat: 49 ° 40.330 N
Lon: 124 ° 16.510 W

End
Lat: 49 ° 40.370 N
Lon: 124 ° 16.560 W

Extra comments:

Out of Order

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core Samples				Comments	
			Target Pressure	Confirmed Pressure	N	F	U	C	M	L	S	R	O	X	Save sheet after printing labels:	
				✓												YES
1	1	568 525	20	✓	20.1	x	xx									
2	2	569	10	✓	10.4	x	x									
3	3	570	5	✓	5.7	x	x									
4	4	571	0	✓	1.7	xx	x	xx	x							
5	5	9572	0	✓	1.6				xx							
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?

Watchkeeper(s): RF

Bottom Depth: 135 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start		3
Bottom		
End	0 32	

Positional Information

Start

Lat: ° 1 N

Lon: 1 ° 5 38 W

▼

Bottom

Lat: ° 4 9 N

Lon: 2 ° 45 8 W

▼

End

Lat: 49 ° N

Lon: 12 ° 4 78 W

Extra comments:

Out of Order

Cruise ID: 2022-022

Station: GEO1

Event #: 2

Ship: JP Tully

UTC Date (dd|mmm|yyyy): 4 SEP 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	BIOTX	Sal	Chito							
1	1	572	350	✓ 350	x				x	x							
2	2	573	250	✓ 250	x					x							
3	3	574	150	✓ 150	x					x							
4	4	575	100	✓ 100	x												
5	5	576	50	✓ 50	x					x							
6	6	577	20	✓ 20	x	xx				x							
7	7	578	10	✓ 10	x	x			x	x							
8	8	579	5	✓ 5	xx	x				x							
9	9	580	0	✓ 17	x	x	xx	xx									FL~2 (2L)
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 402 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0813	0113
Bottom	0820	
End	0840	

Positional Information

Start

Lat: 49 ° 15 000 N

Lon: 123 ° 45 030 W

Bottom

Lat: 49 ° 14 990 N

Lon: 123 ° 45 020 W

End

Lat: 49 ° 15 000 N

Lon: 123 ° 45 020 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists: Core_Samples						Comments
			Target Pressure	Confirmed Pressure	Nut-F	CHL	HPLC	Lugols	BIOTX	Sal							
1	1	581	Bot-10	✓ 310	x					x							
2	2	582	20	✓ 20	x	x											
3	3	583	10	✓ 10	x	xx				x							
4	4	584	5	✓ 5	x	x											
5	5	585	0	✓ 1.7	x	x	xx	x	xx								Fl~2 (2L)
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
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19																	
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21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 318 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	1244	0544
Bottom	1250	
End	1303	

Positional Information

Start

Lat: 49 ° 1 090 N

Lon: 123 ° 26 160 W

Bottom

Lat: 49 ° 1 090 N

Lon: 123 ° 26 150 W

End

Lat: 49 ° 1 090 N

Lon: 123 ° 26 120 W

Extra comments: