

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: Haro59 Event #: 2 Ship: Tully UTC Date (dd|mmm|yyyy): 24 | 05 | 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-F	Chl	DIC	HPLC					
1	1			✓ 215											
2	2			✓ 215											
3	3			✓ 215											
4	4	1	20	✓ 20			x	xx							
5	5	2	10	✓ 10			xx	xx							
6	6	3	0	✓ 0			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): CS/KY

Bottom Depth: 225 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1746	1046
Bottom	1750	1050
End	1757	1057

Positional Information
Start
Lat: 48 ° 26 838 N
Lon: 123 ° 14 684 W

Bottom
Lat: 48 ° 36 740 N
Lon: 123 ° 14 670 W

End
Lat: 48 ° 36 610 N
Lon: 123 ° 14 670 W

Extra comments:

testing bottles 1-3

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB01 Event #: 4 Ship: Tully UTC Date (dd mmm yyyy): 25 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments				
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	DIC	Gases						
						KS					MG	MG	MG	2r/b					
1	1	4	Bot-10	✓	23	x		x					x						
2	2	5	20	✓	20	x		x		xx		xx	xx						
3	3	6	10	✓	10	x		x		xx		xx	x						
4	4	7	5	✓	5	x							x	xx					
5	5	8	5	✓	5			x		xx	xx	xx							Fluo: ~0.7
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): MR

Bottom Depth: 35 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0413	2113
Bottom	0414	
End	0418	

Positional Information

Lat:	48° 40 41	N
Lon:	124° 59 51	W

▼

Lat:	48° 40 42	N
Lon:	124° 59 51	W

▼

Lat:	48° 40 44	N
Lon:	124° 59 51	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB02 Event #: 5 Ship: Tully UTC Date (dd mmm yyyy): 25 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target	Confirmed	Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4	Phyto	Gases	DA			
			Pressure	✓ Pressure	XS		NR/V		TV	NR	MG	NR	R/B	TV			
1		9	Bot-10	✓	47	x		x									
2		10	30	✓	30	x		x									
3		11	20	✓	20	xx		x	xx		xx						
4		12	10	✓	10	x		x	xx		xx						
5		13	5	✓	5	x							xx				Fluo:
6		14	5	✓	5			xx	xx	xx	xx	xxx		x			Fluo: ~1.0
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): ML

Bottom Depth: 60 m
Transmisso Cleaned: ☒ Y / ☐ N

	Time	UTC	Local
Start		0449	2149
Bottom		0451	
End		0457	

Positional Information

Start	Lat:	48° 38.92	N
	Lon:	125° 02.39	W
Bottom	Lat:	48° 38.93	N
	Lon:	125° 02.40	W
End	Lat:	48° 38.93	N
	Lon:	125° 02.38	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB03 Event #: 6 Ship: Tully UTC Date (dd/mmm/yyyy): 25 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ☒ Pressure	Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4						
1		15	5				x		xx	xx							Fluo: ~2.5
2		16	5														Alysia } NOT
3		17	5														Alysia } USED
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): HR

Bottom Depth: 95 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0527	2227
Bottom	0530	
End	0533	

Positional Information

Start	Lat: 48° 37.29	N
	Lon: 125° 05.64	W
	▼	
Bottom	Lat: 48° 37.29	N
	Lon: 125° 05.63	W
	▼	
End	Lat: 48° 37.30	N
	Lon: 125° 05.62	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB04 Event #: 7 Ship: Tully UTC Date (dd mmm yyyy): 25 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments	
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases				
1		18	Bot-10	✓	103	x		x				xx				
2		19	75	✓	76	xx		x								
3		20	50	✓	51	x		xx				xx				
4		21	30	✓	30	x		x				xx				
5		22	20	✓	20	x		x	xx		xx					
6		23	10	✓	10	x		x	xx		xx					
7		24	5	✓	5	x		x	xx	xx	xx	xx			Fluo: ~ 3.1	
8															Fluo:	
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): MR

Bottom Depth: 113 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0604	2304
Bottom	0608	
End	0617	

Positional Information
Start
Lat: 48° 35.70 N
Lon: 125° 08.68 W

Bottom
Lat: 48° 35.71 N
Lon: 125° 08.68 W

End
Lat: 48° 35.73 N
Lon: 125° 08.64 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB05 Event #: 10 Ship: Tully UTC Date (dd mmm yyyy): 25 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target	Confirmed	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4				
			Pressure	✓ Pressure											
1	1	25	5	✓ S			x		xx	xx					Fluo: 3.6
2															- Bot Cap #1 leaking
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): CS/Ky

Bottom Depth: 105 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0821	0121
Bottom	0824	0124
End	08	

Positional Information

Start	Lat: 48 ° 34.040 N
	Lon: 125 ° 11.810 W
	▼
Bottom	Lat: 48 ° 34.050 N
	Lon: 125 ° 11.720 W
	▼
End	Lat: 48 ° 34.070 N
	Lon: 125 ° 11.780 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB06

Event #: 11

Ship: Tully

UTC Date (dd mmm yyyy): 25 May 2012

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed Pressure	Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases			
22		26	Bot-10	✓ 105	x		x x								
23		27	75	✓ 75	x		x								
24		28	50	✓ 50	x		x								
25		29	30	✓ 30	x x		x								
26		30	20	✓ 20	x		x		x x		x x				
27		31	10	✓ 10	x		x		x x		x x				
28		32	5	✓ 5	x		x		x x	x x	x x	x x			Fluo: 3.7
8															- bottle 7 leaking
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): CS/KY

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

Time	UTC	Local
Start	0900	0201
Bottom	0904	0204
End	0911	0211

Positional Information		
Lat:	48 ° 32.246	N
Lon:	125 ° 15.510	W

Lat:	48 ° 32.260	N
Lon:	125 ° 15.500	W

Lat:	48 ° 32.330	N
Lon:	125 ° 15.450	W

Extra comments:
Skipping bottle 1 since it's leaking.
-CHL spike @ 30m

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

UTC Date (dd mmm yyyy): 25 MAY 2017

Need Btl 2 to
avoid heavy btl

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

Sampling Log

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

Cruise ID: 2017-05 Station: LB07

Event #: 18

Ship: Tully

UTC Date (dd mmm yyyy): 25 05 2017

[illegible]

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s):

Bottom Depth: 152 m

Transmisso Cleaned: Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	1332	0632
Bottom	1335	
End	1339	

Positional Information

Lat:	48 ° 28.80	N
Lon:	125 ° 22.07	W

Lat:	48 ° 28.78	N
Lon:	125 ° 22.10	W

Lat:	48 ° 28.75	N
Lon:	125 ° 22.17	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: B8 Event #: 20 Ship: Tully UTC Date (dd mmm yyyy): 25 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials														Comments
			Target Pressure	Confirmed		Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4	UBC	UVic						
				√	Pressure									gases						
1																				
2		35	5										xx							
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): CL

Bottom Depth: 115 m
Transmisso Cleaned: (Y) I N

	UTC	Local
Start	14 50	0750
Bottom	14 52	0752
End	14 55	0755

Positional Information
Start
Lat: 48 ° 34 550 N
Lon: 125 ° 30 110 W

Bottom
Lat: 48 ° 34 560 N
Lon: 125 ° 30 060 W

End
Lat: 48 ° 34 570 N
Lon: 125 ° 30 060 W

Extra comments:
NISKIN 1 CLOSED,
NOT USED

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB08 Event #: LB08 24 Ship: Tully UTC Date (dd mmm/yyyy): 25 May 2012

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials											Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4	DIC	UBC gases			
1		36	Bot-10	✓ 125	x x		x					x				
2		37	125	✓ 125	x		x					x				
3		38	100	✓ 100	x		x					x				
4		39	75	✓ 75	x		x x					x				
5		40	50	✓ 50	x		x					x x				
6		41	30	✓ 30	x		x					x				
17 7	✓	42	20	✓ 20	x		x		x x		xx	x				Bot 7 fired for int check
8		43	10	✓ 10	x		x		x x		x x	x x				
9		44	5	✓ 5	x x		x				x x	x				
10		45	5	✓ 5					x x	x x			xx			Fluo: 8.3
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 135 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	17 23	10 23
Bottom	17 24	10 25
End	17 38	10 38

Positional Information
Start
Lat: 48 ° 25 310 N
Lon: 125 ° 28 550 W

Bottom
Lat: 48 ° 25 340 N
Lon: 125 ° 28 550 W

End
Lat: 48 ° 25 400 N
Lon: 125 ° 28 510 W

Extra comments:
Out-of-Order -> FRED
17 AS
Sample 41 for LEAH
7

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB09 Event #: 27 Ship: Tully UTC Date (dd mmm yyyy): 25 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4				
					510		TU		SM	TU	MG				
1		46	Bot-10	✓ 141	x		x								
2		47	125	✓ 125	x		x x								
3		48	100	✓ 100	x		x								
4		49	75	✓ 75	x		x								
5		50	50	✓ 50	x		x								
6		51	30	✓ 30	x		x								
7		52	20	✓ 20	x x		x		x x		x x				
8		53	10	✓ 10	x		x		x x		x x				
9		54	5	✓	x		x		x x	x x	x x				Fluo: ~ 10
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

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

Watchkeeper(s): MR

Bottom Depth: 150 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1904	1204
Bottom	1908	
End	1920	

Positional Information

Start

Lat: 48° 22.06 N

Lon: 125° 34.84 W

Bottom

Lat: 48° 22.06 N

Lon: 125° 34.84 W

End

Lat: 48° 22.05 N

Lon: 125° 34.90 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB10 Event #: 28 Ship: Tully UTC Date (dd mmm yyyy): 25 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ☒ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases	UBC					
1		55	5	☒	5			x		xx	xx							Fluo: ~ 66
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): MR

Bottom Depth: 152 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2025	1325
Bottom	2028	
End	2032	

Positional Information

Lat:	48° 18.66	N
Lon:	125° 41.41	W

▼

Lat:	48° 18.68	N
Lon:	125° 41.36	W

▼

Lat:	48° 18.68	N
Lon:	125° 41.34	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB11 Event #: 29 Ship: Tully UTC Date (dd mmm yyyy): 25 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases			
					KS/SP		S		TMP	MR	TV	RM			
1		56	Bot-10	✓ 195	x		x								
2		57	175	✓ 176	x		xx								
3		58	150	✓ 150	x		x								
4		59	125	✓ 125	x		x								
5		60	100	✓ 100	x		x								
6		61	75	✓ 75	x		x								SPIGOT WIDE OPEN
7		62	50	✓ 50	xx		x								
8		63	30	✓ 30	x		x								
9		64	20	✓ 20	x		x		xx		xx				
10		65	10	✓ 10	x		x		xx		xx				
11		66	5	✓ 5	x		x		xx	xx	xx	xx			Fluo: ~0.2
12		X	0												FOR MOIRA
13															NO SAMPLE
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

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

Bottom Depth: 205 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2130	1430
Bottom	2134	
End	2151	

Positional Information
Start
Lat: 48° 15.28 N
Lon: 125° 47.72 W

Bottom
Lat: 48° 15.28 N
Lon: 125° 47.70 W

End
Lat: 48° 15.28 N
Lon: 125° 47.72 W

Event: 61 LB11 75 m 2017-05 Bot 6
Comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB12 Event #: 31 Ship: Tully UTC Date (dd mmm yyyy): 25 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials								Comments					
			Target	Confirmed	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Phyto	DA					
			Pressure	✓ Pressure	45/0 ✓		S	S		MR	TV	MR	MR					
1		67	Bot-10	✓	499	x		x	x									
2		68	400	✓	402	x		xx	xx									
3		69	300	✓	300	xx		x										
4		70	250	✓	250	x		x										
5		71	200	✓	200	x		x										
6		72	175	✓	175	x		x										
7		73	150	✓	150	x		x										
8		74	125	✓	125	x		x										
9		75	100	✓	100	x		x										
10		76	75	✓	76	x		x										
11		77	50	✓	50	x		xx										
12		78	30	✓	30	x		x										
13		79	20	✓	20	x		x		xx		xx						
14		80	10	✓	10	xx		x		xx		xx						
15		81	5	✓	5	x		x		xx	xx	xx	xxx	x				Fluo: ~ 0,5
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MR

Bottom Depth: 510 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2305	1605
Bottom	2314	
End	2341	

Positional Information

Start

Lat: 48° 12.91 N

Lon: 125° 51.93 W

Bottom

Lat: 48° 12.92 N

Lon: 125° 51.88 W

End

Lat: 48° 12.95 N

Lon: 125° 51.77 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05

Station: LB13

Event #: 32

Ship: Tully

UTC Date (dd mmm yyyy): 26 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments	
			Target Pressure	Confirmed	Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4							
				✓															
1		82	5	✓	5.3			x		x x	x x								Fluo: ~0.6
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): MR

Bottom Depth: 907 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0617	1717
Bottom	0033	1733
End	0054	

Positional Information

Lat: 48° 10.56 N

Lon: 125° 55.98 W

▼

Lat: 48 ° 10.54 N

Lon: 125 ° 56.05 W

▼

Lat: 48 ° 10.50 N

Lon: 125 ° 56.10 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05

Station: LB14

Event #: 33

Ship: Tully

UTC Date (dd mmm/yyyy): 26 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	UBC						
					25/10		S	S		TV	NG	gases						
1		83	Bot-10	✓	1184	x		x	x									
2		84	1000	✓	1000	xx	xx	x	x									
3		85	750	✓	750	x	x	x	x									
4		86	500	✓	500	x	x	xx	xx									
5		87	400	✓	400	x		x	x									
6		88	300	✓	300	x		x										
7		89	250	✓	250	x		x										
8		90	200	✓	200	x		x										
9		91	175	✓	175	x		x										
10		92	150	✓	149	x		x										
11		93	125	✓	125	xx		x										
12		94	100	✓	100	x		x										
13		95	75	✓	75	x		x										
14		96	50	✓	50	x		x										
15		97	30	✓	30	x		xx										
16		98	20	✓	21	x		x	xx		xx							
17		99	10	✓	10	x		x	xx		xx							
18		100	5	✓	5	x		x	xx	xx	xx	xx				Fluo: ~0.5		
19																		
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth:	1186	m
Transmisso Cleaned:	☒ Y ☐ N	

Time	UTC	Local
Start	0126	1826
Bottom	0146	
End	0222	

Positional Information		
Lat:	48° 08' 44"	N
Lon:	126° 00' 06"	W

▼		
Lat:	48° 08' 41"	N
Lon:	126° 00' 05"	W

▼		
Lat:	48° 08' 42"	N
Lon:	126° 00' 06"	W

Extra comments:
OUT OF ORDER
187, 19, 8-18

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB15 Event #: 34 Ship: Tully UTC Date (dd mmm yyyy): 26 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments	
			Target	Confirmed		Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4							
			Pressure	✓	Pressure														
1		101	5	/	5			x		x x	x x							Fluo: ~0.9	
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): MR

Bottom Depth: 1544 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0321	2021
Bottom	0346	
End	0413	

Positional Information

Lat:	48° 04.33	N
Lon:	126° 08.49	W

▼

Lat:	48° 04.38	N
Lon:	126° 08.56	W

▼

Lat:	48° 04.37	N
Lon:	126° 08.55	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LB16 Event #: 35 Ship: Tully UTC Date (dd|mmm|yyyy): 26|MAI|2017

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials										Comments
			Target	Confirmed		Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	UBC			
			Pressure	✓	Pressure								gases			
1		102	5	✓	5			x		xx	xx		xx			Fluo: ~0.4
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): MR

Bottom Depth: 1778 m

Transmisso Cleaned: ☒ Y ☐ N

	UTC	Local
Time Start	0512	2212
Bottom	0544	
End	0616	

Positional Information

Start

Lat: 48°00'52" N
Lon: 126°17.01' W

▼

Bottom

Lat: 48°00.53' N
Lon: 126°17.00' W

▼

End

Lat: 48°00.53' N
Lon: 126°17.00' W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LC11

Event #: 41

Ship: Tully

UTC Date (dd mmm yyyy): 26 May 2017

Event #:		Ship:		Tully		UTC Date (dd:rr)													
Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments				
			Target Pressure	Confirmed Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases	UBC						
1		103	Bot-10	✓ 1450	x		x	x				xx							
2		104	1250	✓ 1250	xx	x	x	x				xx							
3		105	1000	✓ 1000	x	xx	x	x				xx							
4		106	750	✓ 750	x	x	xx	xx				xx							
5		107	500	✓ 500	x	x	x	x				xx							
6		108	400	✓ 400	x		x	x				xx							
7		109	300	✓ 300	x		x					xx							
8		110	250	✓ 250	x		x					xx							
9		111	200	✓ 200	x		x					xx							
10		112	175	✓ 175	x		x					xx	x						
11		113	150	✓ 150	x		x					xx							
12		114	125	✓ 125	xx		x					xx							
13		115	100	✓ 100	x		x					xx							
14		116	75	✓ 75	x		xx					xx	x						
15		117	50	✓ 50	x		x					xx	x						
16		118	30	✓ 30	x		x					xx	x						
17		119	20	✓ 20	x		x		xx		xx		x						
18		120	10	✓ 10	x		x		xx		xx		x						
19		121	5	✓ 5	x		x		xx	xx	xx	xx	x						
20																			Fluo: 9.1
21																			
22																			
23																			
24																			

Version: 25 Nov 2011

Transmissometer to be cleaned before each cast, do not use Ammonia

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

Bottom Depth: 1450 m
 Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1416	0716
Bottom	1445	0745
End	1529	0829

Positional Information
 Start
 Lat: 48 ° 18.90 N
 Lon: 126 ° 26.64 W

Bottom
 Lat: 48 ° 18.90 N
 Lon: 126 ° 26.70 W

End
 Lat: 48 ° 19.03 N
 Lon: 126 ° 27.01 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LC09 Event #: 43 Ship: Tully UTC Date (dd mmm yyyy): 26 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments			
			Target	Confirmed	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases	DIC	Uvic	phyto	DMS	DA			
			Pressure	✓ Pressure	UBC							UBC	UBC			UBC				
1	1	122	Bot-10	✓	606	x		x x	x x				xx	x						
2	2	123	500	✓	500	x	x	x	x				xx	x x						
3	3	124	400	✓	400	x		x	x				xx	x						
4	4	125	300	✓	300	x		x					xx	x x						
5	5	126	250	✓	250	x x		x					xx	x	x					
6	6	127	200	✓	200	x		x					xx	x			x			
7	7	128	175	✓	175	x		x					xx							
8	8	129	150	✓	150	x		x					xx		x		x			
9	9	130	125	✓	125	x		x					xx							
10	10	131	100	✓	100	x		x x					xx	x			x			
11	11	132	75	✓	75	x		x					xx				x			
12	12	133	50	✓	50	x		x					xx	x	x		x			
13	13	134	30	✓	30 20	x x		x					xx	x			x			
14	14	135	20	✓	20 30	x		x		xx		xx	xx		x		x			
15	15	136	10	✓	10	x		x		xx		xx	xx	x	x		x			
16	16	137	5	✓	5	x	x						xx	x						
17	17	138	5	✓	5			x		x x	x x	x x			x	x	x	x	Fluo	
18																				
19																				
20																				
21																				
22																				
23																				
24																				

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

Bottom Depth: 608 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1803	1103
Bottom	1814	1114
End	1842	1142

Positional Information
Start
Lat: 48 ° 25.890 N
Lon: 126 ° 13.700 W

Bottom
Lat: 48 ° 25.850 N
Lon: 126 ° 13.710 W

End
Lat: 48 ° 25.810 N
Lon: 126 ° 13.760 W

Extra comments:
out of order.

Water Properties Group

Sampling Log

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

Cruise ID:

2017-05

Station:

LC08

Event #:

48

Ship:

Tully

UTC Date (dd mmm yyyy): 26 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials											Comments
			Target Pressure	Confirmed Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases UBC	DIC	DMS		
1		139	Bot-10	✓ 189	x		x					xx	x	x		
2		140	175	✓ 176	x		x					xx				
3		141	150	✓ 150	x		x					xx		x		
4		142	125	✓ 125	x		x					xx	xx	x		
5		143	100	✓ 101	x		x					xx		x		
6		144	75	✓ 75	x		xx					xx	x	x		
7		145	50	✓ 50	xx		x					xx	xx	x		
8		146	30	✓ 30	x		x					xx	x	x		
9		147	20	✓ 20	x		x		xx		xx	xx	x	x		
10		148	10	✓ 10	x		x		xx		xx	xx	x	x		
11		149	5	✓ 5	x	x	x					xx	x	x		
12		150	5	✓ 5			x		xx	xx	xx					FLUO: ~0.4
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Watchkeeper(s): MR

Bottom Depth: 199 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2221	1521
Bottom	2225	
End	2240	

Positional Information

Lat: 48° 29' 44" N

Lon: 126° 07' 02" W

Bottom

Lat: 48° 29' 44" N

Lon: 126° 07' 04" W

End

Lat: 48° 29' 44" N

Lon: 126° 07' 09" W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LC06 Event #: 51 Ship: Tully UTC Date (dd mmm yyyy): 27 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	^{RM} Gases	^S DMS					
					45/10					NR	TV	UBC	UBC					
1		151	Bot-10	✓ 82	x		x					xx	x					
2		152	75	✓ 75	x		x					xx	x					
3		153	50	✓ 50	xx		x					xx	x					
4		154	30	✓ 30	x		x					xx	x					
5		155	20	✓ 20	x		x		xx		xx	xx	x					
6		156	10	✓ 10	x		xx		xx		xx	xx	x					
7		157	5	✓ 5	x		x		xx	xx	xx	xx	x			Fluo: 28.0		
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): MR

Bottom Depth: 92 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0036	1736
Bottom	0039	
End	0046	

Positional Information

Start Lat: 48° 36' 46" N

Start Lon: 125° 53' 98" W

Bottom Lat: 48° 36' 47" N

Bottom Lon: 125° 53' 98" W

End Lat: 48° 36' 47" N

End Lon: 125° 53' 96" W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LC04 Event #: 55 Ship: Tully UTC Date (dd mmm yyyy): 27 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	R/M Gases	Uvic	S DMS			
1		158	Bot-10	✓	155	x		x				xx		x			
2		159	150	✓	150	x		x				xx	x	x			
3		160	125	✓	125	x		x				xx					
4		161	100	✓	100	x		x				xx	x	x			
5		162	75	✓	75	x		x				xx		x			
6		163	50	✓	50	x		xx				xx	x	x			
7		164	30	✓	30	xx		x				xx		x			
8		165	20	✓	20	x		x	xx		xx	xx	x	x			
9		166	10	✓	10	x		x	xx		xx	xx	x	x			
10		167	5	✓	5	x		x	xx	xx	xx	xx	x	x			Fluo: ~ 4
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): <u>ML</u>

Bottom Depth:	<u>165</u>	m
Transmisso Cleaned:	☒ Y ☐ N	

Time	UTC	Local
Start	0254	1954
Bottom	0258	
End	0310	

Positional Information
Start
Lat: 48° 43' 39" N
Lon: 125° 40' 83" W

Bottom
Lat: 48° 43' 39" N
Lon: 125° 40' 83" W

End
Lat: 48° 43' 39" N
Lon: 125° 40' 83" W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LC02 Event #: 58 Ship: Tully UTC Date (dd mmm yyyy): 27 May 2017

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments			
			Target Pressure	Confirmed ✓	Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	R / n Gases	DIC	phyto	DA	S DMS				
						NR		PLU		NR	NR	NR?	UBC	NR	NR	NR	UBC				
1		168	Bot-10	✓	100	x		x					x x	x			x				
2		169	75	✓	75	x		x					x x	x x			x				
3		170	50	✓	50	x x		x					x x	x			x				
4		171	30	✓	30	x		x					x x	x x			x				
5		172	20	✓	20	x		x x		x x		x x	x x	x			x				
6		173	10	✓	10	x		x		x x		x x	x x	x			x				
7		174	5	✓	5	x		x					x x	x			x				
8		175	5	✓	5			x		x x	x x	x x			x	x			Fluo: ≈ 4ish		
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): NR

Bottom Depth: 109 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0456	2156
Bottom	0459	
End	0507	

Positional Information
Start
Lat: 48° 48.68 N
Lon: 125° 30.94 W

Bottom
Lat: 48° 48.68 N
Lon: 125° 30.93 W

End
Lat: 48° 48.70 N
Lon: 125° 30.92 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LC01 Event #: 59 Ship: Tully UTC Date (dd mmm yyyy): 27 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials											Comments		
			Target	Confirmed	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	2m/l Gases	UVic	DMS				
			Pressure	✓ Pressure	PSI/m						TV	UBC		UBC				
1		176	Bot-10	✓	87	x		x				xx		x				
2		177	75	✓	75	x		xx				xx		x				
3		178	50	✓	50	xx		x				xx		x				
4		179	30	✓	30	x		x				xx		x				
5		180	20	✓	20	x		x		xx	xx	xx		x				
6		181	10	✓	10	x		x		xx	xx	xx		x				
7		182	5	✓	5	x		x		xx	xx	xx		x			Fluo: 5.6	
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): ML

Bottom Depth: 97 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0537	2237
Bottom	0539	
End	0548	

Positional Information

Start	Lat: 48° 50' 47" N	Lon: 125° 27' 76" W
	▼	
Bottom	Lat: 48° 50' 47" N	Lon: 125° 27' 78" W
	▼	
End	Lat: 48° 50' 46" N	Lon: 125° 27' 81" W

Extra comments:

Sampling Log

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

Cruise ID: 2017-05 Station: LG01

Event #: 60

Ship: Tully

UTC Date (dd mmm yyyy): 27 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation Target Pressure	Confirmed ✓ Pressure	Samples Taken / Sampler's Initials Oxy Sal Nut-Fr Nut-C CHL HPLC NH4 gases UBC														Comments
1		183	Bot-10	✓	45	x		x											
2		184	30	✓	30	x x		x											
3		185	20	✓	20	x		x x		x x		x x							
4		186	10	✓	10	x		x		x x		x x							
5		187	5	✓	5	x		x		x x	x x	x x	x x						
6																			Fluo: S.3
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Version: 25 Nov 2011

Transmissometer to be cleaned before each cast, do not use Ammonia solution.

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): AS / LA

Bottom Depth: 53 m

Transmisso Cleaned: (Y) / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	1121	0421
Bottom	1123	0423
End	1128	0428

Positional Information

Lat: 49 ° 20.50	N
Lon: 126 ° 35.04	W

Lat:	49 ° 20.49	N
Lon:	126 ° 35.03	W

Lat:	49 ° 20.48	N
Lon:	126 ° 35.02	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-05

Station:

LG02

Event #:

61

Ship:

Tully

UTC Date (dd mmm yyyy): 27 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases UBC	phyto	UVic	DA		
1		188	Bot-10	✓	89	x		x						x			
2		189	75	✓	75	xx		x						x			
3		190	50	✓	50	x		xx						x			
4		191	30	✓	30	x		x									
5		192	20	✓	20	x		x	xx		xx			x			
6		193	10	✓	10	x		x	xx		xx			x			
7		194	5	✓	5	x		x	xx	xx	xx		xxx	x	x		Fluo: 37
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): AS/KY

Bottom Depth: 100 m
Transmisso Cleaned: Y/N

Time	UTC	Local
Start	1156	0456
Bottom	1158	0458
End	1207	0507

Positional Information

Lat:	49 ° 18 75	N
Lon:	126 ° 38 01	W

Bottom

Lat:	49 ° 18 77	N
Lon:	126 ° 38 98	W

End

Lat:	49 ° 18 80	N
Lon:	126 ° 38 92	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LG03 Event #: 64 Ship: Tully UTC Date (dd:mmm yyyy): 27 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials											Comments
			Target Pressure	Confirmed ☒ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases UBC	phyto	UVic	DA	
1		195	5	☒								xx				
2																
3																
4																
5																
6																
7																Fluo:
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):

Bottom Depth: 123 m
 Transmisso Cleaned: (Y) I N

	UTC	Local
Start	13 14	
Bottom	13 16	
End	13	

Positional Information
 Start
 Lat: 49 ° 14.96 N
 Lon: 126 ° 43.62 W

Bottom
 Lat: 49 ° 14.92 N
 Lon: 126 ° 43.60 W

End
 Lat: 49 ° 14.95 N
 Lon: 126 ° 43.55 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LG04 Event #: 65 Ship: Tully UTC Date (dd mmm yyyy): 21 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases UBC			
1		196	Bot-10	✓ 133	x		x					xx			
2		197	125	✓ 125	x		x								
3		198	100	✓ 100	x		x					xx			
4		199	75	✓ 75	x		xx								
5		200	50	✓ 50	x		x					xx			
6		201	30	✓ 30	xx		x					xx			
7		202	20	✓ 20	x		x		xx		xx				
8		203	10	✓ 10	x		x		xx		xx				
9		204	5	✓ 5	x		x		xx	xx	xx	xx			Fluo:
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

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

Bottom Depth: 144 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1359	0659
Bottom	1403	0703
End	1415	0715

Positional Information
Start
Lat: 49 ° 11.29 N
Lon: 126 ° 49.36 W

Bottom
Lat: 49 ° 11.29 N
Lon: 126 ° 49.36 W

End
Lat: 49 ° 11.26 N
Lon: 126 ° 49.30 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LG06 Event #: 68 Ship: Tully UTC Date (dd mmm yyyy): 27 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Phyto	DA	gases			
1		205	Bot-10	✓ 931	x		x	x									
2		206	750	✓ 750	x	x	x x	x x									
3		207	500	✓ 500	x x		x	x									
4		208	400	✓ 400	x		x	x									
5		209	300	✓ 300	x		x										
6		210	250	✓ 250	x		x										
7		211	200	✓ 200	x		x										
8		212	175	✓ 175	x		x										
9		213	150	✓ 150	x		x x										
10		214	125	✓ 125	x		x										tube found empty
11		215	100	✓ 100	x		x										not drawn.
12		216	75	✓ 75	x		x										
13		217	50	✓ 50	x		x										
14		218	30	✓ 30	x x		x										
15		219	20	✓ 20	x		x		x x		x x						
16		220	10	✓ 10	x	x	x		x x		x x						
17		221	5	✓ 5	x	x	x		x x	x x	x x	x	x	x x			Fluo: 0.4
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 95 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1623	0923
Bottom	1642	0942
End	1714	1014

Positional Information
Start
Lat: 49 ° 03 ' 55 N
Lon: 127 ° 01 ' 18 W

Bottom
Lat: 49 ° 03 ' 60 N
Lon: 127 ° 01 ' 03 W

End
Lat: 49 ° 03 ' 65 N
Lon: 127 ° 01 ' 08 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LG08 Event #: 72 Ship: Tully UTC Date (dd mmm/yyyy): 27 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases UBC			
1		222	5	✓											Alysia
2		223	5	✓											Alysia
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): MR

Bottom Depth: 2057 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2109	1409
Bottom	2147	
End	2222	

Positional Information

Lat:	48° 55.35	N
Lon:	127° 13.29	W

▼

Lat:	48° 55.26	N
Lon:	127° 13.47	W

▼

Lat:	48° 55.44	N
Lon:	127° 13.33	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-05

Station:

LG09

Event #: 73

Ship: Tully

UTC Date (dd mmm yyyy): 27 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	gases UBC	bugs UVic									
1		224	250	✓ 250		x									
2		225	150	✓ 150		x									
3		226	50	✓ 50		x	X								
4		227	20	✓ 20		x	X								
5		228	10	✓ 10		x	X								
6		229	5	✓ 5	xx	x	X	XX	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): MR

Bottom Depth: 2051 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2312	1612
Bottom	2346	
End	0025	

Positional Information

Start Lat: 48 ° 51.18 N

Start Lon: 127 ° 19.31 W

Bottom Lat: 48 ° 51.17 N

Bottom Lon: 127 ° 19.40 W

End Lat: 48 ° 51.16 N

End Lon: 127 ° 19.45 W

Extra comments:

Cruise ID: 2017-05

Station: LBP8

Event #: 76

Ship: Tully

UTC Date (dd mmm yyyy): 28 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	gases UBC	UVic	phyto	DA		
1		230	250	✓ 250									x				
2		231	150	✓ 150									x				
3		232	50	✓ 50									x				
4		233	20	✓ 20									x				
5		234	10	✓ 10									x				
6		235	5	✓ 5								xx	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):

Bottom Depth: 200 m

Transmissio Cleaned: Y / N

Time	UTC	Local
Start	1138	0438
Bottom	1214	0514
End	1255	0555

Positional Information

Start	Lat: 49 ° 48.63 N
	Lon: 128 ° 16.84 W
Bottom	Lat: 49 ° 48.61 N
	Lon: 128 ° 16.69 W
End	Lat: 49 ° 48.64 N
	Lon: 128 ° 16.79 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-05

Station:

LBP7

Event #:

19

Ship:

Tully

UTC Date (dd mmm yyyy):

26 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials													Comments
			Target Pressure	Confirmed Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	gases	UVic	phyto	DA			
1		236	2006	✓ 2005	x	x	x	x										
2		237	2000	✓ 2000	x	x	x	x										
3		238	1500	✓ 1500	x	xx	x	x										
4		239	1250	✓ 1250	x	x	xx	xx										
5		240	1000	✓ 1000	x	x	x	x										
6		241	750	✓ 750	xx	x	x	x										
7		242	500	✓ 500	x	x	x	x										
8		243	400	✓ 400	x	x	x	x										
9		244	300	✓ 300	x	x	x											
10		245	250	✓ 250	x	x	x											
11		246	200	✓ 200	x	x	x											
12		247	175	✓ 175	x	x	x											
13		248	150	✓ 150	x	xx	x											SAL B drawn before A
14		249	125	✓ 125	x	x	x											
15		250	100	✓ 100	x	x	xx											
16		251	75	✓ 75	xx	x	x											
17		252	50	✓ 50	x	x	x											
18		253	30	✓ 30	x	x	x											
19		254	20	✓ 20	x	x	x		xx		xx							
20		255	10	✓ 10	x	xx	x		xx		xx							
21		256	5	✓ 5	x	x	x		xx	xx	xx			xxx	x			Fluo: 3.5 incubation UBC
22		257	5	✓ 5														
23																		
24																		

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

C

Bottom Depth: 2187 m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start 1535 0835

Bottom 1608 0908

End 1703 1003

Positional Information

Start Lat: 49 ° 52.40 N

Lon: 128 ° 11.04 W

Bottom Lat: 49 ° 52.15 N

Lon: 128 ° 10.78 W

End Lat: 49 ° 51.71 N

Lon: 128 ° 10.17 W

Extra comments:

Fixed Bot 22 @
5m by UBC
incubation

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LBP5 Event #: 82 Ship: Tully UTC Date (dd mmm yyyy): 28 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials													Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	gases UBC	UVic	phyto	DA			
1		257	Bot-10	✓ 1286	x		x	x										
2		258	1250	✓ 1250	x	x	x	x										
3		259	1000	✓ 1000	x	x	xx	xx										
4		260	750	✓ 750	x		x	x										
5		261	500	✓ 500	x		x	x										
6		262	400	✓ 400	xx		x	x										
7		263	300	✓ 300	x		x											
8		264	250	✓ 250	x		x					xx						
9		265	200	✓ 200	x		x					xx						
10		266	175	✓ 175	x		x											
11		267	150	✓ 150	x		x					xx						
12		268	125	✓ 125	x		x											
13		269	100	✓ 100	x		x					xx						
14		270	75	✓ 75	x		x											
15		271	50	✓ 50	x		xx					xx						
16		272	30	✓ 30	xx		x					xx						
17		273	20	✓ 21	x		x		xx		xx							
18		274	10	✓ 10	x		x		xx		xx							
19		275	5	✓ 5	x		x		xx	xx	xx	xx						Fluo ~ 4.5
20																		
21																		
22																		
23																		
24																		

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

Bottom Depth: 1275 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1933	1233
Bottom	1958	
End	2039	

Positional Information
Start
Lat: 50 ° 00.04 N
Lon: 128 ° 00.04 W

Bottom
Lat: 49 ° 59.97 N
Lon: 128 ° 00.15 W

End
Lat: 49 ° 59.88 N
Lon: 127 ° 59.98 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: LBP3 Event #: 85 Ship: Tully UTC Date (dd mmm yyyy): 28 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	CHL	HPLC	NH4	gases UBC	UVic	phyto	DA			
1		276	bot-10	✓ 150	x		x				xx						
2		277	150	✓ 150	x		xx				xx	x					
3		278	125	✓ 125	x		x				xx						
4		279	100	✓ 101	x		x				xx	x					
5		280	75	✓ 75	x		x				xx						
6		281	50	✓ 50	xx		x				xx	x					
7		282	30	✓ 30	x		x				xx						
8		283	20	✓ 20	x		x	xx		xx		x					
9		284	10	✓ 11	x		x	xx		xx		x					
10		285	5	✓ 5	x		x				xx	x					
11		286	5	✓ 5			x	xx	xx	xx			xxx	x			FLuo:
12		287	5	✓ 5													Alysia
13		✓	5	✓ 5													To TEST ONLY
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 161 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2247	1547
Bottom	2258	
End	2301	

Positional Information
Start Lat: 50° 03.32 N
Lon: 127° 55.25 W

Bottom Lat: 50° 03.35 N
Lon: 127° 55.18 W

End Lat: 50° 03.33 N
Lon: 127° 55.01 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: CS00

Event #: 97

Ship: Tully

UTC Date (dd mmm yyyy): 29 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials													Comments
			Target Pressure	Confirmed Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Phyto	DMS	gases UBC	DA			
1		288	2000	✓ 2000	x	x	x	x										
2		289	1500	✓ 1500	x	xx	xx	xx										
3		290	1250	✓ 1250	x	xx	x	x										
4		291	1000	✓ 1000	x	xx	x	x										
5		292	750	✓ 750	xx	x	x	x										
6		293	500	✓ 500	x	x	x	x										
7		294	400	✓ 400	x	x	x	x										
8		295	300	✓ 300	x	x	x											
9		296	250	✓ 250	x	x	x							xx				
10		297	200	✓ 200	x	x	xx						x	xx				
11		298	175	✓ 175	x	x	x											
12		299	150	✓ 150	xx	x	x						x	xx				
13		300	125	✓ 125	x	x	x											
14		301	100	✓ 100	x	x	x						x	xx				
15		302	75	✓ 75	x	x	x						x					
16		303	50	✓ 50	x	x	x						x	xx				
17		304	30	✓ 30	x	x	x						x	xx				
18		305	20	✓ 20	xx	x	x		xx		xx		x					
19		306	10	✓ 10	x	x	x		xx		xx		x					
20		307	5	✓ 5	x	x	x				xx		x	xx				Fluo: 1.7
21		308	5	✓ 5					xx	xx		x			x			
22																		
23																		
24																		

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

Bottom Depth: 2168 m
 Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1412	0112
Bottom	1450	0750
End	1544	0844

Positional Information

Lat: 50 ° 27.73 N
Lon: 129 ° 55.08 W

Bottom

Lat: 50 ° 27.67 N
Lon: 129 ° 54.91 W

End

Lat: 50 ° 27.53 N
Lon: 129 ° 54.53 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: CS02 Event #: 103 Ship: Tully UTC Date (dd mmm/yyyy): 30 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Phyto	UVic	DMS			
1		309	Bot-10	✓ 1875	x		x	x									
2		310	1500	✓ 1500	x	x	xx	xx									
3		311	1250	✓ 1250	x	x	x	x									
4		312	1000	✓ 1000	x		x	x									
5		313	750	✓ 751	xx		x	x									
6		314	500	✓ 501	x		x	x									
7		315	400	✓ 400	x		x										
8		316	300	✓ 300	x		x										
9		317	250	✓ 251	x		x						x				
10		318	200	✓ 200	x		xx							x			
11		319	175	✓ 175	x		x										
12		320	150	✓ 150	xx		x						x	x			
13		321	125	✓ 125	x		x										
14		322	100	✓ 100	x		x							x			
15		323	75	✓ 75	x		x							x			
16		324	50	✓ 50	x		x						x	x			
17		325	30	✓ 30	x		x							x			
18		326	20	✓ 20	xx		x		xx		xx		x	x			
19		327	10	✓ 10	x		x		xx		xx		x	x			
20		328	5	✓	x	x	x		xx	xx	xx		x	x			Fluo: 2.2
21		x	5	✓													
22		x	5	✓													
23		x	5	✓													
24		x	5	✓													

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

Bottom Depth: 1857 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0019	1719
Bottom	0049	
End	0143	

Positional Information
Start
Lat: 50 ° 41.95 N
Lon: 129 ° 26.69 W

Bottom
Lat: 50 ° 41.73 N
Lon: 129 ° 26.72 W

End
Lat: 50 ° 41.13 N
Lon: 129 ° 26.44 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: CS03 Event #: 106 Ship: Tully UTC Date (dd mmm/yyyy): 30 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target	Confirmed	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Phyto	UVic	DMS	Gases		
			Pressure	✓ Pressure										UBC	UBC		
1		300	5	✓											xx		
2		329															
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	Fluo:
21																	
22																	
23																	
24																	

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

Bottom Depth: 242 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0335	2035
Bottom	0341	
End	0346	

Positional Information
Start
Lat: 50° 45.56 N
Lon: 129° 20.09 W

Bottom
Lat: 50° 45.54 N
Lon: 129° 20.12 W

End
Lat: 50° 45.52 N
Lon: 129° 20.15 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: CS04 Event #: 108 Ship: Tully UTC Date (dd mmm yyyy): 30 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	gases	DMS		
					MR		S		MR	M	S	UBC	UBC		
1		330	Bot-10	✓ 90	x		x						x		
2		331	75	✓ 76	x		x						x		
3		332	50	✓ 50	x		x						x		
4		333	30	✓ 30	xx		x						x		
5		334	20	✓ 20	x		x		xx		xx		x		
6		335	10	✓ 10	x		x		xx		xx		x		
7		336	5	✓ 5	x		xx		xx	xx	xx		x		Fluo: 2.4 / 2.7
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): MR

Bottom Depth: 93 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0504	2204
Bottom	0507	
End	0516	

Positional Information

Start

Lat: 50° 49.23 N

Lon: 129° 13.17 W

Bottom

Lat: 50° 49.23 N

Lon: 129° 13.24 W

End

Lat: 50° 49.31 N

Lon: 129° 13.40 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-05

Station:

NewODAS

Event #:

110

Ship:

Tully

UTC Date (dd:mmm yyyy):

30 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments				
			Target Pressure	Confirmed Pressure	Oxy	Sal-R	Nut-Fr	Nut-C	CHL	HPLC	NH4	UBC gases	UVic						
1		337	5	✓									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):

Bottom Depth:	2100	m
Transmisso Cleaned:	☒ Y ☐ N	

Time	UTC	Local
Start	0838	0138
Bottom	0913	0213
End	0947	0247

Start	Positional Information	
	Lat: 50° 56.40' N	Lon: 129° 58.81' W

Bottom	Lat: 50° 56.34' N	Lon: 129° 58.67' W
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End	Lat: 50° 56.29' N	Lon: 129° 58.43' W
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Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: CS06 Event #: 118 Ship: Tully UTC Date (dd:mmm:yyyy): 30 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Phyto	DA	gases UBC	DMS		
1		338	Bot-10	✓ 54	x		x x								x		
2		339	50	✓ 50	x x		x								x		
3		340	30	✓ 30	x		x								x		
4		341	20	✓ 20	x		x		x x		x x				x		
5		342	10	✓ 10	x		x		x x		x x				x		
6		343	5	✓ 5	x		x		x x	x x	x x	x	x	x x	x		Fluo: 1.7
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): A

Bottom Depth: 63 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1801	1101
Bottom	1803	1103
End	1810	1110

Positional Information
Start
Lat: 51 ° 60.17 N
Lon: 128 ° 52.07 W

Bottom
Lat: 51 ° 00.21 N
Lon: 128 ° 52.12 W

End
Lat: 51 ° 00.33 N
Lon: 128 ° 52.18 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: CS09 Event #: 125 Ship: Tully UTC Date (dd mmm/yyyy): 30 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	UVic	gases	DMS	UBC		
1		344	Bot-10	✓ 184	x		x							x			
2		345	175	✓ 175	x		x										
3		346	150	✓ 150	x		x					x		x			
4		347	125	✓ 125	x		xx										
5		348	100	✓ 100	x		x					x		x			
6		349	75	✓ 75	x		x							x			
7		350	50	✓ 50	xx		x					x		x			
8		351	30	✓ 30	x		x							x			
9		352	20	✓ 21	x		x		xx		xx	x		x			
10		353	10	✓ 10	x		x		xx		xx	x		x			
11		354	5	✓ 5	x		x		xx	xx	xx	x	xx	x			Fluo: ~30 ↓ ~25 ↑
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 194 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2146	1446
Bottom	2150	
End	2202	

Positional Information

Lat:	51 ° 12.50	N
Lon:	128 ° 27 97	W

▼

Lat:	51 ° 12.49	N
Lon:	128 ° 28 01	W

▼

Lat:	51 ° 12.57	N
Lon:	128 ° 27 75	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: SS5 Event #: 130 Ship: Tully UTC Date (dd mmm/yyyy): 31 MAY 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials											Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	UVic	gases	UBC		
1		355	20	✓ 20			x		xx		xx					
2		356	10	✓ 10			x		xx		xx					
3		357	5				x		xx	xx	xx					Fluo: ~1.7 ↓ 2.0 ↑
4																
5																
6																
7																
8																
9																
10																
11																Fluo:
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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

Watchkeeper(s): MR

Bottom Depth: 202 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0112	1812
Bottom	0116	
End	0122	

Positional Information

Start Lat: 51° 27.98 N
Lon: 128° 29.96 W

Bottom Lat: 51° 27.94 N
Lon: 128° 29.95 W

End Lat: 51° 27.87 N
Lon: 128° 29.82 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: SS3 Event #: 135 Ship: Tully UTC Date (dd mmm yyyy): 31 MAI 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	UVic	gases	DA			
1		358	20	✓ 20			x		xx		xx						
2		359	10	✓ 10			x		xx		xx						
3		360	5	✓ 5			x		xx	xx	xx			x			F150: 2.13 ↓ 2.10 ↑
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	Fluo:
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 290 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0602	2302
Bottom	0608	
End	0615	

Positional Information

Start	Lat: 51 ° 15.06	N
	Lon: 129 ° 21.46	W

▼

Bottom	Lat: 51 ° 15.03	N
	Lon: 129 ° 21.46	W

▼

End	Lat: 51 ° 15.00	N
	Lon: 129 ° 21.47	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05

Station: SS1

Event #: B8

Ship: Tully

UTC Date (dd mmm yyyy): 31 May 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	UVic	gases UBC	DA				
1		361	20	✓ 20			x		x x		x x							
2		362	10	✓ 10			x		x x		x x							
3		363	5	✓ 5			x		x x	x x	x x			x			Fluo: 1.9	
4																	- Missed Owl tube	
5																	from bottle 1 -	
6																	no sample	
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): AS

Bottom Depth: 490 m

Transmisso Cleaned: ☒ Y ☐ N

	UTC	Local
Start	12 01	03 01
Bottom	10 10	03 10
End	10 22	03 22

Positional Information

Start Lat: 51 ° 12.06 N

Lon: 130 ° 00.150 W

Bottom Lat: 51 ° 12.01 N

Lon: 130 ° 00.05 W

End Lat: 51 ° 12.03 N

Lon: 130 ° 00.04 W

Extra comments:

Water Properties Group

Sampling/Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division

Cruise ID: 2017-05 Station: S80 Event #: 139 Vessel: TULLY UTC Date (dd|mmm|yyyy): 31 | MAY | 2017

Bottles & Samples			Rosette Operation		Samples Taken (↓ write samplers' initials under each sample type)													Comments
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a										
1		999	5	5														ALYSIA
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 (default) ☐ TrMetlRos ☐ X-Niskin

Watchkeeper(s):
CS

Bottom Depth: 2626 m

Transmisso Cleaned: Y / N

Fluorometer Cleaned: Y / N

Time	UTC	Local
Start (BE)	14:24	:
Bottom (BO)	15:00	:
End (EN)	15:33	:

Positional Information

Start

Lat: 50° 59 . 97 N

Lon: 130° 50 . 03 W

Bottom

Lat: 50° 59 . 99 N

Lon: 130° 50? . 87 W

Finish

Lat: 50° 59 . 97 N

Lon: 130° 49 . 69 W

Extra comments: (e.g., DMS cast, PAR on, Heavy Rain, Niskins out of order, etc)

Water Properties Group

Sampling Log

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

Cruise ID: 2017-05 Station: NL01 Event #: 143 Ship: Tully UTC Date (dd mmm yyyy): 01 JUN 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	UVic	gases UBC	DA			
1		364	2005	✓ 2005		xx											
2		365	1500	✓ 1500		xx											
3		366	1000	✓ 1000		xx											Fluo:
4		367	20	✓ 20			x		xx		xx						
5		368	10	✓ 10			x		xx		xx						
6		369	5	✓ 5			x		xx	xx	xx			x			Fluo:
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): MR

Bottom Depth: 2195 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0427	2127
Bottom	0501	
End	0546	

Positional Information

Lat:	51° 22.33	N
Lon:	130° 50.60	W

▼

Lat:	51° 22.26	N
Lon:	130° 50.55	W

▼

Lat:	51° 22.11	N
Lon:	130° 50.40	W

Extra comments: