

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: Haro 59 Event #: 2 Ship: Tully UTC Date (dd|mmm|yyyy): 31 | AUG | 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC					
1	1	1	Bot-10	✓ 241	x		x								
2	2	2	-200	✓ 200	x	x	x								
3	3	3	175	✓ 175	x		x								
4	4	4	150	✓ 150	x		x								
5	5	5	125	✓ 125	x		xx								
6	6	6	100	✓ 100	xx		x								
7	7	7	75	✓ 75	x		x								Fluo:
8	8	8	50	✓ 50	x		x								
9	9	9	40	✓ 40	x		x								
10	10	10	30	✓ 30	x		x								
11	11	11	20	✓ 20	x		xx		xx						
12	12	12	10	✓ 10	xx		x		xx						
13	13	13	5	✓ 5	x	x	x								
14	14	14	0	✓ 13	x		x		xx	xx					Fluo: 2-4
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

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

Watchkeeper(s): MS

Bottom Depth: 222 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2238	1538
Bottom	2241	
End	2257	

Positional Information

Lat: 48 ° 36 97 N

Lon: 123 ° 14 68 W

Lat: 48 ° 36 97 N

Lon: 123 ° 14 67 W

Lat: 48 ° 36 96 N

Lon: 123 ° 14 65 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LB01 Event #: 8 Ship: Tully UTC Date (dd|mmm|yyyy): 11|9|17

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments			
			Target	Confirmed	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	DIC	UBC					
			Pressure	✓ Pressure									gases					
1		15	Bot-10	✓	28	xx		x					x					
2		16	20	✓		x		x		xx		xx	x					
3		17	10	✓		x		x		xx		xx	x					
4		18	5	✓		x		x					xx	xx				
5		19	5	✓						xx	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): H.S.

Bottom Depth: 32 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0916	0216
Bottom	0917	
End	0928	

Positional Information

Lat:	48 ° 40 44	N
Lon:	124 ° 59 51	W

Start

Lat:	48 ° 40 43	N
Lon:	124 ° 59 51	W

Bottom

Lat:	48 ° 40 43	N
Lon:	124 ° 59 50	W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-09

Station:

LB02

Event #:

9

Ship:

Tully

UTC Date (dd|mm|yyyy):

11|09|17

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	DA			
1		20	Bot-10	✓ 45	x		x										
2		21	30	✓	x		x										
3		22	20	✓	x		x		x x		x x						
4		23	10	✓	x		x		x x		x x						
5		24	5	✓	xx	x					x x	x x					
6		25	5	✓			xx		xx	xx			xxx	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):

H.M.

Bottom Depth: 55 m

Transmisso Cleaned: Y / N

Time

UTC

Local

Start

0950

0258

Bottom

0951

End

0956

Positional Information

Lat: 48 ° 39 03 N

Lon: 125 ° 02 49 W

Lat: 48 ° 39 03 N

Lon: 125 ° 02 51 W

Lat: 48 ° 38 99 N

Lon: 125 ° 02 60 W

Extra comments:

loop 2 chl, 2 O2, 1 sal

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 **Station:** LB03

Event #: 10

Ship: Tully

UTC Date (dd mmm yyyy): 1 9 17

[illegible]

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): 1, 1

Bottom Depth: 93 m

Transmisso Cleaned: (Y) / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	10 29	03 29
Bottom	10 30	
End	10 33	

Positional Information				
Start	Lat:	48	°	37 32 N
	Lon:	125	°	05 65 W

Bottom	Lat: 48 ° 37 33 N
	Lon: 125 ° 05 69 W

End

Lat:	48 ° 37 35	N
Lon:	125 ° 05 73	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09

Station: LB04

Event #: 11

Ship: Tully

UTC Date (dd|mmm|yyyy): 11 9 17

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		27	Bot-10	✓	101	x		x				xx				
2		28	75	✓		xx		x								
3		29	50	✓		x		xx				xx				
4		30	30	✓		x		x				xx				
5		31	20	✓		x		x		xx		xx				
6		32	10	✓		x		x		xx		xx				
7		33	5	✓		x		x		xx	xx	xx	xx		Fluo: ~ 2.1	
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): H.M.

Bottom Depth: 111 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	10 53	03 58
Bottom	11 01	
End	11 10	

Positional Information

Lat:	40 ° 35 68	N
Lon:	125 ° 00 78	W

Start

Lat:	40 ° 35 68	N
Lon:	125 ° 00 80	W

End

Lat:	40 ° 35 65	N
Lon:	125 ° 00 91	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LB05 Event #: 14 Ship: Tully UTC Date (dd|mmm|yyyy): 01 | SEP | 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		34	5	5			x		xx	xx								Fluo: 11
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: 102 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1258	0558
Bottom	1300	
End	1303	

Positional Information

Lat:	48 ° 34.11	N
Lon:	125 ° 12.10	W

▼

Lat:	48 ° 34.10	N
Lon:	125 ° 12.09	W

▼

Lat:	48 ° 34.09	N
Lon:	125 ° 12.10	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-09

Station:

LB06

Event #:

15

Ship:

Tully

UTC Date (dd|mmm|yyyy):

1 | 9 | 17

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 gases				
1		35	Bot-10	✓ 104	x		x									
2		36	100	✓	x x		x									
3		37	75	✓	x		x x									
4		38	50	✓	x		x									
5		39	30	✓	x		x									
6		40	20	✓	x		x		x x		x x					
7		41	10	✓	x		x		x x		x x					
8		42	5	✓	x		x		x x	x x	x x	x x			Fluo: +4.0	
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): H.M.

Bottom Depth: 114 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 13 38 06 38

Bottom 13 40

End 13 50

Positional Information

Lat: 48 ° 32 21 N

Lon: 125 ° 15 51 W

Lat: 48 ° 32 21 N

Lon: 125 ° 15 50 W

Lat: 48 ° 32 19 N

Lon: 125 ° 15 45 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: C3 Event #: 20 Ship: Tully UTC Date (dd|mmm|yyyy): 11 9 17

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		43	5	✓ 5									xx		Fluo:
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): 11

Bottom Depth: 122 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1659	0959
Bottom	1657	
End	1659	

Positional Information

Lat: 48 ° 23.46 N

Lon: 125 ° 20.80 W

Lat: 48 ° 23 45 N

Lon: 125 ° 20 80 W

Lat: 48 ° 23 43 N

Lon: 125 ° 20 80 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LB07 Event #: 22 Ship: Tully UTC Date (dd|mmm|yyyy): 11|9|17

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target	Confirmed	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases					
			Pressure	✓ Pressure								UBC					
1		44	5	✓ 5			x		xx	xx							Fluo: 1.4
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): H.M.

Bottom Depth: 156 m
 Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1751	1051
Bottom	1754	
End	1757	

Positional Information
 Start
 Lat: 48 ° 28 66 N
 Lon: 125 ° 22 09 W

Bottom
 Lat: 48 ° 28 66 N
 Lon: 125 ° 22 09 W

End
 Lat: 48 ° 28 67 N
 Lon: 125 ° 22 08 W

Extra comments:

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

UTC Date (dd mmm yyyy): 1 SEP 2017

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LB08 Event #: 28 Ship: Tully UTC Date (dd|mmm|yyyy): 1 Sep 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 UBC	UVic			
1	1	46	Bot-10	✓ 134	x		x					x					
2	2	47	125	✓ 125	xx		x										
3	3	48	100	✓ 100	x		x					x		x			
4	4	49	75	✓ 75	x		xx					xx		x			
5	5	50	50	✓ 50	x		x					x		x			
6	6	51	30	✓ 30	x		x					xx					
7	7	52	20	✓ 20	x		x		xx		xx	x		x			
8	8	53	10	✓ 10	x		x		xx		xx	x		x			
9	9	54	5	✓ 5	x							x	xx	x			FI: L2
10	10	55	5	✓ 5			x		xx	xx	xx						
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: 144 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2131	1431
Bottom	2134	
End	2145	

Positional Information

Start	Lat: 48 ° 25 26	N
	Lon: 125 ° 28 69	W

Bottom

Lat: 48 ° 25 28	N
Lon: 125 ° 28 66	W

End

Lat: 48 ° 25 32	N
Lon: 125 ° 28 51	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LB09 Event #: 31 Ship: Tully UTC Date (dd|mmm|yyyy): 1 SEP 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	1	56	Bot-10	✓ 141	x		x									
2	2	57	125	✓ 125	x		x x									
3	3	58	100	✓ 100	x		x									
4	4	59	75	✓ 75	x		x									
5	5	60	50	✓ 50	x		x									
6	6	61	30	✓ 30	x		x									
7	7	62	20	✓ 20	x x		x		x x		x x					
8	8	63	10	✓ 10	x		x		x x		x x					
9	9	64	5	✓ 5	x		x		x x	x x	x x				Fluo: L2	
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: 150 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	23:00	16:04
Bottom	23:03	
End	23:13	

Positional Information
Start
Lat: 48 ° 22 05 N
Lon: 125 ° 34 73 W

Bottom
Lat: 48 ° 22 02 N
Lon: 125 ° 34 68 W

End
Lat: 48 ° 21 96 N
Lon: 125 ° 34 74 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LB10 Event #: 32 Ship: Tully UTC Date (dd|mmm|yyyy): 1 SEP 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	1	65	5	5			x		xx	xx						Fluo: 75
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: 152 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	23 59	16 59
Bottom	00 01	
End	00 05	

Positional Information
Start
Lat: 48 ° 18 56 N
Lon: 125 ° 41 41 W

Bottom
Lat: 48 ° 18 54 N
Lon: 125 ° 41 43 W

End
Lat: 48 ° 18 52 N
Lon: 125 ° 41 45 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-09

Station:

LB11

Event #:

33

Ship:

Tully

UTC Date (dd|mmm|yyyy):

2 Sep 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Profile Data			Comments
			Target Pressure	Confirmed Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases			RO	TRM	X-Vis	
1	1	66	Bot-10	✓ 190	x		x											
2	2	67	175	✓ 175	x		xx											
3	3	68	150	✓ 150	x		x											
4	4	69	125	✓ 125	x		x											
5	5	70	100	✓ 100	x		x											
6	6	71	75	✓ 75	x		x											
7	7	72	50	✓ 50	xx		x											
8	8	73	30	✓ 30	x		x											
9	9	74	20	✓ 20	x		x		xx		xx							
10	10	75	10	✓ 10	x		x		xx		xx							
11	11	76	5	✓ 5	x		x		xx	xx	xx	xx						Fluo: 42
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: 204 m
 Transmisso Cleaned: Y / N

Time	UTC	Local
Start	00 47	0547
Bottom	00 50	
End	01 02	

Positional Information

Lat: 48 ° 15 20 N
 Lon: 125 ° 47 72 W

Lat: 48 ° 15 19 N
 Lon: 125 ° 47 72 W

Lat: 48 ° 15 18 N
 Lon: 125 ° 47 71 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LB12 Event #: 25 Ship: Tully UTC Date (dd|mmm|yyyy): 2 SEP 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				
1	1	77	Bot-10	✓ 505	x		x	x									
2	2	78	400	✓ 400	x		xx	xx									
3	3	79	300	✓ 300	xx		x										
4	4	80	250	✓ 250	x		x										
5	5	81	200	✓ 200	x		x										
6	6	82	175	✓ 175	x		x										
7	7	83	150	✓ 150	x		x										
8	8	84	125	✓ 125	x		x										
9	9	85	100	✓ 100	x		x										
10	10	86	75	✓ 75	x		x										
11	11	87	50	✓ 50	x		xx										
12	12	88	30	✓ 30	x		x										
13	13	89	20	✓ 20	x		x		xx		xx						
14	14	90	10	✓ 10	xx		x		xx		xx						
15	15	91	5	✓ 5	x		x		xx	xx	xx	xxx	x				Fluo: <2
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Version: 25 Nov 2011

Transmissometer to be placed 14 cm

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MBBottom Depth: 505 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0155	1855
Bottom	0204	
End	0228	

Positional Information
Start
Lat: 48 ° 12 92 N
Lon: 125 ° 51 89 WBottom
Lat: 48 ° 12 89 N
Lon: 125 ° 51 90 WEnd
Lat: 48 ° 12 85 N
Lon: 125 ° 51 94 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-09

Station:

LB13

Event #:

36

Ship:

Tully

UTC Date (dd|mmm|yyyy):

8 Sep 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	1	92	5	✓			X		XX	XX					Fluo: L2
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: 904 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0304 2004

Bottom 0322

End 0338

Positional Information

Lat: 48° 10' 62" N

Lon: 125° 56' 19" W

Lat: 48° 10' 51" N

Lon: 125° 56' 10" W

Lat: 48° 10' 50" N

Lon: 125° 56' 02" W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LB14 Event #: 37 Ship: Tully UTC Date (dd|mmm|yyyy): 2 SEP 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				
1	1	93	Bot-10	✓ 1184	x		x	x								
2	2	94	1000	✓ 1000	xx	xx	x	x								
3	3	95	750	✓ 750	x	x	x	x								
4	4	96	500	✓ 500	x	x	xx	xx								
5	5	97	400	✓ 400	x		x	x								
6	6	98	300	✓ 300	x		x									
7	7	99	250	✓ 250	x		x									
8	8	100	200	✓ 200	x		x									
9	9	101	175	✓ 175	x		x									
10	10	102	150	✓ 150	x		x									
11	11	103	125	✓ 125	xx		x									
12	12	104	100	✓ 100	x		x									
13	13	105	75	✓ 75	x		x									
14	14	106	50	✓ 50	x		x									
15	15	107	30	✓ 30	x		xx									
16	16	108	20	✓ 20	x		x		xx		xx					
17	17	109	10	✓ 10	x		x		xx		xx					
18	18	110	5	✓ 5	x		x		xx	xx	xx	xx			Fluo: 42	
19																
20																
21																
22																
23																
24																

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

Bottom Depth: 1174 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0411	2111
Bottom	0431	
End	0506	

Positional Information

Lat:	48° 8'	49° N
Lon:	126° 0'	02° W

Start

Lat: 48° 8' 49° N
Lon: 126° 0' 08° W

Bottom

Lat: 48° 8' 44° N
Lon: 125° 59' 8° W

End

Extra comments:
loop 2chl, 1 sal, 2 O2

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LB15 Event #: 38 Ship: Tully UTC Date (dd|mmm|yyyy): 2 | sep | 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	1	111	5				x		xx	xx							Fluo: 0.47
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/HM

Bottom Depth: 1548 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0607	2307
Bottom	0634	
End	0700	

Positional Information

Lat:	48 ° 4 37	N
Lon:	126 ° 8 57	W

▼

Lat:	48 ° 4 35	N
Lon:	126 ° 8 50	W

▼

Lat:	48 ° 4 32	N
Lon:	126 ° 8 50	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2016-62 Station: LB16 Event #: 40 Ship: Tully UTC Date (dd|mmm|yyyy): 2 | 9 | 17

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 gases				
1		112	5	5			x		xx	xx		xx				Fluo: 0.89
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): H.M.

Bottom Depth: 1755 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0946	0246
Bottom	1016	
End	1045	

Positional Information
Start
Lat: 48 ° 00.50 N
Lon: 126 ° 17.01 W

Bottom
Lat: 48 ° 00.55 N
Lon: 126 ° 17.10 W

End
Lat: 48 ° 00.56 N
Lon: 126 ° 17.19 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LC12 Event #: 41 Ship: Tully UTC Date (dd|mmm|yyyy): 21 | 9 | 17

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ☒ Pressure	UBC gases										
1		113	5 m	☒	5	x x									
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

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

Bottom Depth: 2515 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1314	0614
Bottom	1340	
End	1419	

Positional Information

Lat:	48 ° 15.00	N
Lon:	126 ° 39.98	W

▼

Lat:	48 ° 14.99	N
Lon:	126 ° 39.97	W

▼

Lat:	48 ° 15.00	N
Lon:	126 ° 39.98	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LC11 Event #: 44 Ship: Tully UTC Date (dd|mmm|yyyy): 2 | 9 | 17

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	NH4 bulk				
1	1	114	Bot-10	✓ 1473	x		x	x				x x					
2	2	115	1250	✓	x x	x	x	x				x x					
3	3	116	1000	✓	x	x x	x	x				x x					
4	4	117	750	✓ 750	x	x	x x	x x				x x					
5	5	118	500	✓ 500	x	x	x	x				x x					
6	6	119	400	✓ 400	x		x	x				x x					
7	7	120	300	✓ 300	x		x					x x					
8	8	121	250	✓ 250	x		x					x x					
9	9	122	200	✓ 200	x		x					x x					
10	10	123	175	✓ 175	x		x										
11	11	124	150	✓ 150	x		x					x x					
12	12	125	125	✓ 125	x x		x										
13	13	126	100	✓ 100	x		x					x x					
14	14	127	75	✓ 75	x		x x					x x					
15	15	128	50	✓ 50	x		x					x x					
16	16	129	30	✓ 30	x		x					x x					
17	17	130	20	✓ 20	x		x		x x		x x						
18	18	131	10	✓ 10	x		x		x x		x x						
19	19	132	5	✓ 5	x	x	x		x x	x x	x x	x x				Ben out of water no salinity	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): H.M / m B

Bottom Depth: 1442 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	18 04	11 04
Bottom	18 27	
End	19 09	

Positional Information

Lat:	48 ° 18.92	N
Lon:	126 ° 26.71	W

Start

Lat:	48 ° 18.95	N
Lon:	126 ° 26.71	W

Bottom

Lat:	48 ° 19.01	N
Lon:	126 ° 26.55	W

End

Extra comments:
loop 2 chl, 1 sal, 2 O2

Water Properties Group

Sampling Log

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

Cruise ID:

2017-09

Station:

LC09

Event #:

460

Ship:

Tully

UTC Date (dd|mmm|yyyy):

2 Sep 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	Uvic	phyto	DA	
1	1	133	Bot-10	✓ 596	x		xx	xx				xx	x				
2	2	134	500	✓ 500	x	x	x	x				xx	xx				
3	3	135	400	✓ 400	x		x	x				xx	x				
4	4	136	300	✓ 300	x		x					xx	xx				
5	5	137	250	✓ 250	xx		x					xx	x	x			
6	6	138	200	✓ 200	x		x					xx	x				
7	7	139	175	✓ 175	x		x										
8	8	140	150	✓ 150	x		x					xx		x			
9	9	141	125	✓ 125	x		x										
10	10	142	100	✓ 100	x		xx					xx	x				
11	11	143	75	✓ 75	x		x					xx					
12	12	144	50	✓ 50	x		x					xx	x	x			
13	13	145	30	✓ 30	xx		x					xx	x				
14	14	146	20	✓ 20	x		x		xx		xx			x			
15	15	147	10	✓ 10	x		x		xx		xx		x	x			
16	16	148	5	✓ 5	x							xx	x	x			
17	17	149	5	✓ 5			x		xx	xx	xx				x	x	FI: 42
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 598 m
 Transmisso Cleaned: Y / N

Time	UTC	Local
Start	21:23	14:23
Bottom	21:33	
End	21:57	

Positional Information

Lat:	48 ° 25 ' 97 " N
Lon:	126 ° 13 ' 64 " W

Start

Lat:	48 ° 25 ' 94 " N
Lon:	126 ° 13 ' 64 " W

Bottom

Lat:	48 ° 25 ' 88 " N
Lon:	126 ° 13 ' 61 " W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LC08 Event #: 51 Ship: Tully UTC Date (dd|mmm|yyyy): 3 | Sep | 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments				
			Target Pressure	Confirmed ✓ Pressure	Oxy MB/TP	Sal	Nut-Fr PI/cm	DIC TV	CHL IP	HPLC IP	NH4 MB	Gases UBC							
1	1	150	Bot-10	✓ 190	x		x	xx				x x							
2	2	151	175-200	✓ 175	x		x	x				xx							2 bottles fired @ 175m
3	3	152	175	✓ 175	x		x												since depth < 200m
4	4	153	150	✓ 150	x		x					xx							
5	5	154	125	✓ 125	x		x												
6	6	155	100	✓ 100	x		x x	x				x x							
7	7	156	75	✓ 75	x x		x					x x							
8	8	157	50	✓ 50	x		x	xx				x x							
9	9	158	30	✓ 30	x		x	x				xx							
10	10	159	20	✓ 20	x		x	x	x x		x x								
11	11	160	10	✓ 10	x			x	xx		xx								
12	12	161	5	✓ 5	x			x				xx							
13	13	162	5	✓ 5			x		xx	xx	xx								Fl. < 2
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Bottom Depth: 198 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	01 04	18 04
Bottom	01 07	
End	01 20	

Positional Information

Lat:	48 ° 29 39	N
Lon:	126 ° 7 03	W

Start

Bottom

Lat:	48 ° 29 39	N
Lon:	126 ° 7 02	W

End

Lat:	48 ° 29 35	N
Lon:	126 ° 7 06	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LC06 Event #: 55 Ship: Tully UTC Date (dd|mmm|yyyy): 3 | sep | 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target	Confirmed	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases			
			Pressure	✓ Pressure	MBIP		RI		MS	CHN	MB	UBC			
1	1	163	Bot-10	✓ 84	x		x					x x			
2	2	164	75	✓ 75	x		x					x x			
3	3	165	50	✓ 50	x x		x					x x			
4	4	166	30	✓ 30	x		x					x x			
5	5	167	20	✓ 20	x		x		x x		x x				
6	6	168	10	✓ 11	x		x x		x x		x x				
7	7	169	5	✓ 5			x		x x	x x	x x				Fluo:
8	8	170	5	✓ 5	x	x						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): MB

Bottom Depth: 93 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0330	2030
Bottom	0332	
End	0340	

Positional Information
Start
Lat: 48 ° 36 44 N
Lon: 125 ° 54 00 W

Bottom
Lat: 48 ° 36 44 N
Lon: 125 ° 53 99 W

End
Lat: 48 ° 36 46 N
Lon: 125 ° 53 97 W

Extra comments:
loop 2 chl, 1 sal, 2 O2

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LC04 Event #: 59 Ship: Tully UTC Date (dd/mm/yyyy): 31 Sep 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					
1	1	171	Bot-10	✓ 158	x		x					xx						
2	2	172	150	✓ 150	x		x					xx	x					
3	3	173	125	✓ 125	x		x											
4	4	174	100	✓ 100	x		x					xx	x					
5	5	175	75	✓ 75	x		x					xx						
6	6	176	50	✓ 50	x		xx					xx	x					
7	7	177	30	✓ 30	xx		x					xx						
8	8	178	20	✓ 20	x		x		xx		xx		x					
9	9	179	10	✓ 10	x		x		xx		xx		x					
10	10	180	5	✓ 5			x		xx	xx	xx					Fluo: ~3		
11	11	181	5	✓ 5	x							xx	x					
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: 167 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0543	02
Bottom	0545	
End	0556	

Positional Information

Lat:	48 ° 43 47	N
Lon:	125 ° 40 72	W

Start

▼

Lat:	48 ° 43 48	N
Lon:	125 ° 40 72	W

Bottom

▼

Lat:	48 ° 43 59	N
Lon:	125 ° 40 62	W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-09

Station:

LC02

Event #:

63

Ship:

Tully

UTC Date (dd|mmm|yyyy):

31.9.17

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	phyto	DA		
1		182	Bot-10	✓ 100	x		x					x x	x				
2		183	75	✓	x		x					x x	x x				
3		184	50	✓	x x		x					x x	x				
4		185	30	✓	x		x					x x	x x				
5		186	20	✓	x		x x		x x		x x		x				
6		187	10	✓	x		x		x x		x x		x				
7		188	5	✓	x							x x	x				
8		189	5	✓			x		x x	x x	x x			x	x		Fluo: 6.5
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): H.M.

Bottom Depth: 110 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0746	0046
Bottom	0748	
End	0756	

Positional Information

Start
Lat: 48 ° 48 65 N
Lon: 125 ° 31 02 WBottom
Lat: 48 ° 48 65 N
Lon: 125 ° 31 02 WEnd
Lat: 48 ° 48 64 N
Lon: 125 ° 30 98 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09

Station: LC01

Event #: 64

Ship: Tully

UTC Date (dd|mmm|yyyy): 3 | 9 | 17

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			
1		190	Bot-10	✓	06	x		x				x x				
2		191	75	✓		x		x x				x x				
3		192	50	✓		x x		x				x x				
4		193	30	✓	40?	x		x				x x				40?
5		194	20	✓		x		x		x x		x x				
6		195	10			x		x		x x		x x				
7		196	5			x		x		x x	x x	x x				Fluo: 3.5
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): H.M.

Bottom Depth: 95 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0830	0130
Bottom	0831	
End	0839	

Positional Information

Lat:	48 ° 50 41 N
Lon:	125 ° 27 71 W

Start

Lat:	48 ° 50 42 N
Lon:	125 ° 27 70 W

Bottom

Lat:	48 ° 50 45 N
Lon:	125 ° 27 67 W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LD01 Event #: 65 Ship: Tully UTC Date (dd|mmm|yyyy): 3 | 9 | 17

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	Phyto	Gases				
1		197	Bot-10	✓ 24	x		x											
2		198	20	✓	x		x		xx		xx							
3		199	10	✓	xx		x		xx		xx							
4		200	5	✓	x		xx		xx	xx	xx			xx			Fluo: 1.4	
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): H.M.

Bottom Depth: 34 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	10 23	0323
Bottom	10 24	
End	10 28	

Positional Information
Start
Lat: 49 ° 00 17 N
Lon: 125 ° 43 79 W

Bottom
Lat: 49 ° 00 18 N
Lon: 125 ° 43 79 W

End
Lat: 49 ° 00 19 N
Lon: 125 ° 43 70 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LD02 Event #: 66 Ship: Tully UTC Date (dd|mmm|yyyy): 31|9|17

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	DA			
1		201	Bot-10	☒	32	x		x									
2		202	30	☒		x		x									
3		203	20	☒		xx		x	xx		xx						
4		204	10	☒		x		xx	xx		xx						
5		205	5	☒		x		x	xx	xx	xx	xx	x	x		Fluo: 1.6	
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): H.O.

Bottom Depth: 42 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	10 58	03 58
Bottom	10 59	
End	11 03	

Positional Information

Lat:	48 ° 58 41	N
Lon:	125 ° 46 98	W

Start

Lat:	48 ° 58 42	N
Lon:	125 ° 46 97	W

Bottom

Lat:	48 ° 58 42	N
Lon:	125 ° 46 96	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LD04 Event #: 69 Ship: Tully UTC Date (dd|mmm|yyyy): 3 | 9 | 17

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments					
			Target	Confirmed	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	Gases								
			Pressure	✓ Pressure									UBC							
1		206	Bot-10	✓	51	x x		x												
2		207	30	✓		x		x x												
3		208	20	✓		x		x		x x		x x								
4		209	10	✓		x		x		x x		x x								
5		210	5	✓		x		x		x x	x x	x x	x x					Fluo:		
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: 62 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	12 27	05 27
Bottom	12 29	
End	12 34	

Positional Information

Lat:	48 ° 53 20	N
Lon:	125 ° 56 98	W

▼

Lat:	48 ° 53 21	N
Lon:	125 ° 56 97	W

▼

Lat:	48 ° 53 27	N
Lon:	125 ° 56 94	W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-09

Station:

LD06

Event #: 72

Ship: Tully

UTC Date (dd|mmm|yyyy): 3 | 9 | 17

Cruise ID: 2017-09			Station: LD06		Event #: 12										Ship: R/V			Comments	
Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Gases	Watchkeeper(s):			
			Target Pressure	Confirmed Pressure	Oxy	Sal	Nut-Fr	Nut-C	CHL	HPLC	NH4	DIC	Phyto						
1		211	Bot-10	✓ -127	x		x												
2		212	100	✓	x		xx												
3		213	75	✓	x		x												
4		214	50	✓	x		x												
5		215	30	✓	x		x												
6		216	20	✓	x		x	xx		xx									
7		217	10	✓	x		x	xx		xx									
8		218	5	✓	xx	x	x	xx	xx	xx			xx			Fluo: 2.2			
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): H.M.

Bottom Depth: 136 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1422	0722
Bottom	1425	
End	1434	

Positional Information

Start	Lat:	48 ° 46 24 N
	Lon:	126 ° 10 20 W
Bottom	Lat:	48 ° 46 23 N
	Lon:	126 ° 10 28 W
End	Lat:	48 ° 46 26 N
	Lon:	126 ° 10 21 W

Extra comments:

Also has loops:

2x Oxy, 1x Sal, 2x Chl, 1x Nut

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LD08

Event #: 74

Ship: Tully

UTC Date (dd|mmm|yyyy): 31 9 17

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	phyto	Gases	DA		
1		219	Bot-10	✓ 763	x		x	x									
2		220	750	✓	x	x	xx	xx									
3		221	500	✓	xx	x	x	x									
4		222	400	✓	x		x	x									
5		223	300	✓	x		x										
6		224	250	✓	x		x							xx			
7		225	200	✓	x		x							xx			
8		226	175	✓	x		x							xx			
9		227	150	✓	x		x										
10		228	125	✓	x		x							xx			
11		229	100	✓	x		x										
12		230	75	✓	x		xx							xx			
13		231	50	✓	x		x							xx			
14		232	30	✓	xx		x							xx			
15		233	20	✓	x		x		xx		xx						
16		234	10	✓	x		x		xx		xx						
17		235	5	✓	x		x		xx	xx	xx		x	xx	x		Fluo: 8.79
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): H.7

Bottom Depth: 766 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1624	0929
Bottom	1638	
End	1708	

Positional Information

Start	Lat: 48 ° 39 12 N
Start	Lon: 126 ° 23 33 W

Bottom

Bottom	Lat: 48 ° 39 16 N
Bottom	Lon: 126 ° 23 33 W

End

End	Lat: 48 ° 39 15 N
End	Lon: 126 ° 23 35 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LD11 Event #: 78 Ship: Tully UTC Date (dd|mm|yyyy): 3 | Sep | 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	Phyto	Gases		
1	1	236	Bot-10	✓ 1600	x		x	x								
2	2	237	1500	✓ 1500	x	xx	x	x								Mis-fired
3	4	238	1250	✓ 1250	xx	x	x	x								
4	5	239	1000	✓ 1000	x	x	x	x								
5	6	240	750	✓ 750	x	x	xx	xx								
6	7	241	500	✓ 500	x		x	x								
7	8	242	400	✓ 400	x		x	x								
8	9	243	300	✓ 300	x		x									
9	10	244	250	✓ 250	x		x									
10	11	245	200	✓ 200	x		x									
11	12	246	175	✓ 175	x		x									
12	13	247	150	✓ 150	x		x									
13	14	248	125	✓ 125	xx		x									
14	15	249	100	✓ 100	x		x									
15	16	250	75	✓ 75	x		xx									
16	17	251	50	✓ 50	x		x									
17	18	252	30	✓ 30	xx		x									
18	19	253	20	✓ 20	x		x		xx		xx					
19	20	254	10	✓ 10	x		x		xx		xx					
20	21	255	5	✓ 5	x	x	x		xx	xx	xx			xx		Fluo: <2
21	3	237	1500	✓ 1500	x	xx	x	x								Replace bot #2 mis-fire
22																
23																
24																

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

Watchkeeper(s): MB

Bottom Depth: 1587 m

Transmissio Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	21 28	1428
Bottom	21 57	
End	22 41	

Positional Information

Lat: 48 ° 28 86 N

Lon: 126 ° 42 84 W

Lat: 48 ° 28 83 N

Lon: 126 ° 42 90 W

Lat: 48 ° 28 84 N

Lon: 126 ° 42 99 W

Extra comments:

replaced mis-fired bottle 2 with 21

Water Properties Group

Sampling Log

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

Cruise ID:

2017-09

Station:

LG09

Event #:

82

Ship:

Tully

UTC Date (dd|mmm|yyyy):

4 | Sep | 2017

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments
			Target Pressure	Confirmed ✓ Pressure	gases UBC	bugs UVic									
1		256	250	✓ 250		x									
2		257	150	✓		x									
3		258	50	✓		x									
4		259	20	✓		x									
5		260	10	✓		x									
6		261	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): MS/H.M.

Bottom Depth: 2047 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	06:11	11:11
Bottom	06:45	
End	07:20	

Positional Information

Start
Lat: 48 ° 51 37 N
Lon: 127 ° 19 36 W

Bottom
Lat: 48 ° 51 45 N
Lon: 127 ° 19 32 W

End
Lat: 48 ° 51 42 N
Lon: 127 ° 19 33 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2017-09 Station: LG06 Event #: 88 Ship: Tully UTC Date (dd|mm|yyyy): 4 | 9 | 17

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		262	Bot-10	✓	973	x		x	x									
2		263	750	✓		x	x	xx	xx									
3		264	500	✓		xx		x	x									
4		265	400	✓		x		x	x									
5		266	300	✓		x		x										
6		267	250	✓		x		x										
7		268	200	✓		x		x										
8		269	175	✓		x		x										
9		270	150	✓		x		xx										
10		271	125	✓		x		x										
11		272	100	✓		x		x										
12		273	75	✓		x		x										
13		274	50	✓		x		x										
14		275	30	✓		xx		x										
15		276	20	✓		x		x	xx		xx							
16		277	10	✓		x		x	xx		xx							
17		278	5	✓		x	x	x						xx			Fluo: 1.25	
18		279	5	✓				x	xx	xx	xx	xxx	x					
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): H.7

Bottom Depth: 942 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1257	0557
Bottom	1314	
End	1345	

Positional Information

Lat: 49° 48' 03.45" N
Lon: 127° 01' 15" W

Start

Bottom

End

Lat: 49° 48' 03.48" N
Lon: 127° 01' 24" W

Lat: 49° 48' 03.49" N
Lon: 127° 01' 16" W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2017-09

Station:

LG04

Event #:

90

Ship:

Tully

UTC Date (dd|mmm|yyyy):

4 | 9 | 17

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		280	Bot-10	✓ 135	x		x					x x			
2		281	125	✓	x		x								
3		282	100	✓	x		x					x x			
4		283	75	✓	x		x x								
5		284	50	✓	x		x					x x			
6		285	30	✓	x x		x					x x			
7		286	20	✓	x		x		x x		x x				
8		287	10	✓	x		x		x x		x x				
9		288	5	✓	x		x		x x	x x	x x	x x			Fluo: 0.77
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

H.M

Bottom Depth:

144 m

Transmisso Cleaned:

Y / N

Time

UTC

Local

Start

15 26

08 26

Bottom

15 28

End

15 38

Positional Information

Lat:

49 ° 11 27 N

Lon:

126 ° 49 39 W

Lat:

49 ° 11 27 N

Lon:

126 ° 49 37 W

Lat:

49 ° 11 33 N

Lon:

126 ° 49 27 W

Extra comments:

Loops

2x Oxy, 2x CHL, 1x Sal, 1x Nut

Water Properties Group

Sampling Log

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

Cruise ID:

2017-09

Station:

LG02

Event #:

93

Ship:

Tully

UTC Date (dd|mmm|yyyy):

4 | 1 | 17

Cruise ID: 2017-09			Station: LG02		Event #: 12												Comments	
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		289	Bot-10	✓ 92	x		x							x				
2		290	75	✓	xx		x							x				
3		291	50	✓	x		xx							x				
4		292	30	✓	x		x											
5		293	20	✓	x		x		xx		xx			x				
6		294	10	✓	x		x		xx		xx			x				
7		295	5	✓	x		x					xx		x			Fluo:	
8		296	5	✓			X		xx	xx	xx		xxx		x			
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

http://www.pa

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): H.7

Bottom Depth: 99 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	17 15	10 15
Bottom	17 17	
End	17 24	

Positional Information

Lat:	49 ° 18 69	N
Lon:	126 ° 30 11	W

Lat:	49 ° 18 69	N
Lon:	126 ° 38 11	W

Lat:	49 ° 18 69	N
Lon:	126 ° 38 11	W

Extra comments:

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

4 9 17

Extra comments: