

Water Properties Group

Sampling Log

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

Cruise ID:

2020-001

Station:

DIX3

Event #:

86

Ship:

Tully

UTC Date (dd|mmm|yyyy):

19 FEB 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC	Var	
1	1	584	Bot-5	✓ 360			X										
2	2	585	Bot-5	✓ 360		X					X	X	X	X			
3	3	586	300	✓ 300			X										
4	4	587	250	✓ 250			X										
5	5	588	200	✓ 200			XX										
6	6	589	175	✓ 175			X										
7	7	590	150	✓ 150			X										
8	8	591	125	✓ 125			X										
9	9	592	100	✓ 100			X										
10	10	593	75	✓ 75			X										
11	11	594	50	✓ 50			X										
12	12	595	50	✓ 50		X					X	X	X	X			
13	15	596	30	✓ 30			X										
14	16	597	20	✓ 20			X			X							
15	17	598	10	✓ 10			X			XX							
16	18	599	5	✓ 5			X										
17	22	600	0	✓ 2.0			X			X							
18	23	601	0	✓ 2.0		X					XX	XX	XX	XX			
19	24	602	0	✓ 20											XXX		
20	13	603	Chl Max	✓ 50												X	
21	14	604	Chl Max	✓ 50												X	
22	19	605	5	✓ 5												X	
23	20	606	5	✓ 5												X	
24	21	607	5	✓ 5												X	

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s):

MB

Bottom Depth: 367 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1642	0842
Bottom	1649	
End	1707	

Positional Information

Lat:	54 ° 28 . 80	N
Lon:	132 ° 18 09	W
▼		
Lat:	54 ° 28 81	N
Lon:	132 ° 17 91	W
▼		
Lat:	54 ° 28 . 79	N
Lon:	132 ° 17 44	W

Extra comments:

1-12, 20+21, 13-16, 22-24, 17-19

Out-Of-Order

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 / Station: CH3 Event #: 88 Ship: Tully UTC Date (dd/mm/yyyy): 20 2 20

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1		608	Bot-5	✓	524			x	x								Touched Bottom
2		609	Bot-5	✓			x				x	x	x	x			
3		610	500	✓			xx	xx									
4		611	400	✓			x	x									
5		612	350	✓			x										
6		613	300	✓			x										
7		614	250	✓			x										
8		615	200	✓			x										
9		616	150	✓			x										
10		617	100	✓			x										
11		618	50	✓			x										
12		619	50	✓			x				x	x	x	x			
13		620	30	✓			x										
14		621	20	✓			x			x							
15		622	10	✓			x			xx							
16		623	5	✓			x										
17		624	0	✓			x			x							
18		625	0	✓			x				xx	xx	xx	xx			
19		626	0	✓											xxx		
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 540 m
Transmisso Cleaned: X 2 Y 1 N

Time	UTC	Local
Start	00 15	16 15
Bottom	00 26	
End	00 40	

Positional Information

Start
Lat: 54 ° 41 43 N
Lon: 130 ° 55 73 W

Bottom
Lat: 54 ° 41 44 N
Lon: 130 ° 55 92 W

End
Lat: 54 ° 41 50 N
Lon: 130 ° 55 22 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH2 Event #: 89 Ship: Tully UTC Date (dd|mmm|yyyy): 20 | 2 | 20

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure		OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC	
1		627	Bot-5	✓	303			x									
2		628	Bot-5	✓			x	x				x	x	x	x		
3		629	250	✓				x									
4		630	200	✓				x									
5		631	175	✓				xx									
6		632	150	✓				x									
7		633	125	✓				x									
8		634	100	✓				x									
9		635	75	✓				x									
10		636	50	✓				x									
11		637	50	✓			x					x	x	x	x		
12		638	30	✓				x									
13		639	20	✓				x			xx						
14		640	10	✓				x			x						
15		641	5	✓				x									
16		642	0	✓				xx			x						
17		643	0	✓			x					xx	xx	xx	xx		
18		644	0	✓											xxx		
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 303 m
Transmisso Cleaned: x2 (Y) / N

Time	UTC	Local
Start	0208	1808
Bottom	0213	
End	0231	

Positional Information
Start
Lat: 54 ° 39 02 N
Lon: 130 ° 30 36 W

Bottom
Lat: 54 ° 39 03 N
Lon: 130 ° 30 43 W

End
Lat: 54 ° 39 05 N
Lon: 130 ° 30 69 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH1 Event #: 90 Ship: Tully UTC Date (dd/mm/yyyy): 20 / 2 / 20

			Rosette Operation		Samples Taken / Sampler's Initials												Comments	
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC			
1		645	Bot-5	✓ 598			x	x										
2		646	Bot-5	✓		x					x	x	x	x				
3		647	500	✓			xx	xx										
4		648	400	✓			x	x										
5		649	300	✓			x											
6		650	200	✓			x											
7		651	150	✓			x											
8		652	100	✓			x											
9		653	75	✓			x											
10		654	50	✓			x											
11		655	50	✓		x					x	x	x	x				
12		656	30	✓			x											
13		657	20	✓			xx			x								
14		658	10	✓			x			x								
15		659	5	✓			x											
16		660	0	✓			x			xx								
17		661	0	✓		x					xx	xx	xx	xx				
18		662	0	✓											xxx			
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): H.M.Bottom Depth: 605 m
Transmisso Cleaned: x2 ☒ Y1 N

Time	UTC	Local
Start	0328	1928
Bottom	0340	
End	0404	

Positional Information

Start

Lat: 54 ° 41 67 N
Lon: 130 ° 27 20 W

Bottom

Lat: 54 ° 41 61 N
Lon: 130 ° 27 32 W

End

Lat: 54 ° 41 56 N
Lon: 130 ° 27 65 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH6 Event #: 92 Ship: Tully UTC Date (dd|mmm|yyyy): 20 | 2 | 20

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1		663	Bot-5	✓ 245			x										
2		664	200	✓			x										
3		665	150	✓			xx										
4		666	100	✓			x										
5		667	75	✓			x										
6		668	50	✓			x										
7		669	30	✓			x										
8		670	20	✓			x										
9		671	10	✓			x										
10		672	5	✓			x										
11		673	0	✓			x										
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: 246 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0549	2149
Bottom	0555	
End	0610	

Positional Information

Start	Lat: 54 ° 34 92 N
	Lon: 130 ° 31 91 W
▼	
Bottom	Lat: 54 ° 34 94 N
	Lon: 130 ° 31 93 W
▼	
End	Lat: 54 ° 35 :01 N
	Lon: 130 ° 31 94 W

Extra comments:

Sampling Log

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

Cruise ID: 2020-001

Station: CH5

Event #: 93

Ship: Tully

UTC Date (dd mmm yyyy): 20 2 20

[illegible]**Profile type:**

ROS TRM X-Niskin other?

Watchkeeper(s): H M

Bottom Depth: 144 m

Transmisso Cleaned: Y2 (Y) / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
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Start	0930	0130
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Bottom	0933	
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End	0944	
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Positional Information

Lat: 54 ° 33 69

Lon: 130 ° 37 68

Lat: 54 ° 33 68

Lon: 130 ° 37 69

Lat: 54 ° 33' 66"

Lon: 130 ° 37 69

Extra comments:

10-DSP
waited 2min @
SRF following

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH4 Event #: 94 Ship: Tully UTC Date (dd/mmm/yyyy): 20 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	688	Bot-5	✓	87			x									
2	2	689	50	✓	50			x									
3	3	690	30	✓	30			x									
4	4	691	20	✓	20			x									
5	5	692	10	✓	10			x									
6	6	693	5	✓	5			xx									
7	7	694	0	✓	24			x									
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): MD

Bottom Depth: 90 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1130	0330
Bottom	1132	
End	1140	

Positional Information

Start	Lat: 54 ° 32 52 N
	Lon: 130 ° 43 50 W
Bottom	Lat: 54 ° 32 52 N
	Lon: 130 ° 43 47 W
End	Lat: 54 ° 32 49 N
	Lon: 130 ° 43 56 W

Extra comments:

No DIP
1 MW@SRF

Water Properties Group

Sampling Log

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

Cruise ID:

2020-001

Station:

CH8

Event #: 95

Ship: Tully

UTC Date (dd|mmm|yyyy): 20 | Feb | 2020

Cruise ID: 2020-001			Station: CH6		Event #: 55		Ship: 2										Comments			
Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials															
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC					
1	1	695	Bot-5	✓ 133			x													
2	2	696	Bot-5	✓ 133		x					x	x	x	x						
3	3	697	125	✓ 125			x													
4	4	698	100	✓ 100			x													
5	5	699	75	✓ 75			x													
6	6	700	50	✓ 50			x													
7	7	701	50	✓ 50		x					x	x	x	x						
8	8	702	30	✓ 30			x													
9	9	703	20	✓ 20			x			x										
10	10	704	10	✓ 10			x			xx										
11	11	705	5	✓ 5			xx													
12	12	706	0	✓ 1.7			x			x										
13	13	707	0	✓ ↓		x					xx	xx	xx	xx						
14	14	708	0	✓ ↓											xxx					
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				

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

Bottom Depth: 12 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1230	04
Bottom	1235	
End	1242	

Positional Information

Start
Lat: 54 ° 31 23 N
Lon: 130 ° 35 02 W

Bottom
Lat: 54 ° 31 240 N
Lon: 130 ° 35 018 W

End
Lat: 54 ° 31 210 N
Lon: 130 ° 35 028 W

Extra comments:

No DEP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CHAT3 Event #: 96 Ship: Tully UTC Date (dd/mm/yyyy): 20 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	709	Bot-5	✓ 157	x		x		x								
2	2	710	Bot-5	✓ 157		x					x	x	x	x			
3	3	711	100	✓ 100	x		xx		x								
4	4	712	75	✓ 75	x		x		x								
5	5	713	50	✓ 50	x		x		xx								
6	6	714	50	✓ 50		x					x	x	x	x			
7	7	715	30	✓ 30	xx		x		x								
8	8	716	20	✓ 20	x		x		x	x							
9	9	717	10	✓ 10	x		x		x	x							
10	10	718	5	✓ 5	x		x		x								
11	11	719	0	✓ 1.6	x		x		x	xx							
12	12	720	0	✓ ↓		x					xx	xx	xx	xx			
13	13	721	0	✓ ↓											xxx		
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 162 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1303	0503
Bottom	1306	
End	1315	

Positional Information

Lat:	54 ° 31 640	N
Lon:	130 ° 32 680	W

Start

Lat:	54 ° 31 650	N
Lon:	130 ° 32 660	W

Bottom

Lat:	54 ° 31 620	N
Lon:	130 ° 32 620	W

End

Extra comments:
no DIP

Water Properties Group

Sampling Log

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

Cruise ID:

2020-001

Station:

CH10

Event #:

97

Ship:

Tully

UTC Date (dd mmm yyyy): 26 FEB 2020

Cruise ID: 2020-001			Station: 0110		Date: 11/11/2020														Comments	
Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials															
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC					
1	1	722	Bot-5	✓ 80			x													
2	2	723	50	✓ 50			x													
3	3	724	30	✓ 30			x													
4	4	725	20	✓ 20			x													
5	5	726	10	✓ 10			x													
6	6	727	5	✓ 5			x													
7	7	728	0	✓ 1.7			xx													
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

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

Bottom Depth: 84 m
 Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1419	0619
Bottom	1421	
End	1427	

Positional Information

Lat:	54 ° 26 873 N
Lon:	130 ° 39 192 W

Start

Bottom

End

Lat:	54 ° 26 873 N
Lon:	130 ° 39 192 W

Lat:	54 ° 26 852 N
Lon:	130 ° 39 169 W

Extra comments:

No DEP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH13 Event #: 98 Ship: Tully UTC Date (dd|mmm|yyyy): 20 | Feb | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	729	Bot-5	✓ 153			x										
2	2	730	125	✓ 125			x										
3	3	731	100	✓ 100			x										
4	4	732	75	✓ 75			x										
5	5	733	50	✓ 50			x										
6	6	734	30	✓ 30			x										
7	7	735	20	✓ 20			xx										
8	8	736	10	✓ 10			x										
9	9	737	5	✓ 5			x										
10	10	738	0	✓ 2.5			x										
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 156 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1502	0702
Bottom	1505	
End	1516	

Positional Information
Start
Lat: 54 ° 23 160 N
Lon: 130 ° 38 920 WBottom
Lat: 54 ° 23 190 N
Lon: 130 ° 38 890 WEnd
Lat: 54 ° 23 290 N
Lon: 130 ° 38 930 W

Extra comments:

No DIP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH12 Event #: 99 Ship: Tully UTC Date (dd mmm yyyy): 26 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials													Comments
			Target	Confirmed	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC			
			Pressure	✓ Pressure														
1	1	739	Bot-5	✓	140			x										
2	2	740	Bot-5	✓	140		x				x	x	x	x				
3	3	741	125	✓	125			x										
4	4	742	100	✓	100			x										
5	5	743	75	✓	75			x										
6	6	744	50	✓	50			x										
7	7	745	50	✓	50		x				x	x	x	x				
8	8	746	30	✓	30			x										
9	9	747	20	✓	20			x		x								
10	10	748	10	✓	10			x		x								
11	11	749	5	✓	5			xx										
12	12	750	0	✓	1.3			x		xx								
13	13	751	0	✓	1		x				xx	xx	xx	xx				
14	14	752	0	✓	1										xxx			
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

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

Watchkeeper(s): MB

Bottom Depth: 140 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	15 47	07 47
Bottom	15 49	
End	15 59	

Positional Information

Lat: 54 ° 23 710 N

Lon: 130 ° 33 990 W

Lat: 54 ° 23 713 N

Lon: 130 ° 33 992 W

Lat: 54 ° 23 720 N

Lon: 130 ° 33 924 W

Extra comments:

No DIP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH17 Event #: 100 Ship: Tully UTC Date (dd|mmm|yyyy): 20 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	753	Bot-5	✓ 86			x										
2	2	754	75	✓ 75			xx										
3	3	755	50	✓ 50			x										
4	4	756	30	✓ 30			x										
5	5	757	20	✓ 20			x										
6	6	758	10	✓ 10			x										
7	7	759	5	✓ 5			x										
8	8	760	0	✓ 1.8			x										
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): MD

Bottom Depth: 91 m
Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	16 29	
Bottom	16 31	
End	16 38	

Positional Information

Lat:	54 ° 20 610 N
Lon:	130 ° 33 356 W

Start

Bottom

End

Lat:	54 ° 20 610 N
Lon:	130 ° 33 350 W

Lat:	54 ° 20 610 N
Lon:	130 ° 33 340 W

Extra comments:
No JIP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH16 Event #: 101 Ship: Tully UTC Date (dd/mm/yyyy): 20 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments	
			Target	Confirmed	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC			
			Pressure	✓ Pressure														
1	1	761	Bot-5	✓	210	x		x		x								
2	2	762	Bot-5	✓	210		x					x	x	x	x			
3	3	763	150	✓	150	x		x		xx								
4	4	764	100	✓	100	xx		x		x								
5	5	765	75	✓	75	x		x		x								
6	6	766	50	✓	50	x		xx		x								
7	7	767	50	✓	50		x					x	x	x	x			
8	8	768	30	✓	30	x		x		x								
9	9	769	20	✓	20	x		x		x	xx							
10	10	770	10	✓	10	x		x		x	x							
11	11	771	5	✓	5	x		x		x								
12	12	772	0	✓	13	x		x		x	x							
13	13	773	0	✓	1		x					xx	xx	xx	xx			
14	14	774	0	✓	1											xxx		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: ☒ ROS ☐ TRM ☐ X-Niskin ☐ other?
Watchkeeper(s): MBBottom Depth: 215 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1727	0927
Bottom	1730	
End	1742	

Positional Information
Start
Lat: 54 ° 19 858 N
Lon: 130 ° 37 471 WBottom
Lat: 54 ° 19 860 N
Lon: 130 ° 37 440 WEnd
Lat: 54 ° 19 880 N
Lon: 130 ° 37 400 WExtra comments:
No DIP

Water Properties Group

Sampling Log

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

Cruise ID:

2020-001

Station:

CH15

Event #:

102

Ship:

Tully

UTC Date (dd mmm/yyyy): 20 FEB 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials													Comments
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC			
1	1	775	Bot-5	✓ 195			x											
2	2	776	175	✓ 175			x											
3	3	777	150	✓ 150			x											
4	4	778	125	✓ 125			xx											
5	5	779	100	✓ 100			x											
6	6	780	75	✓ 75			x											
7	7	781	50	✓ 50			x											
8	8	782	30	✓ 30			x											
9	9	783	20	✓ 20			x											
10	10	784	10	✓ 10			x											
11	11	785	5	✓ 5			x											
12	12	786	0	✓ 3.1			x											
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): MD

Bottom Depth: 195 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 18 16 10 16

Bottom 18 20

End 18 33

Positional Information

Start Lat: 54 ° 18 420 N

Lon: 130 ° 42 420 W

Bottom Lat: 54 ° 18 430 N

Lon: 130 ° 42 370 W

End Lat: 54 ° 18 430 N

Lon: 130 ° 42 350 W

Extra comments:

No DIP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH14 Event #: 103 Ship: Tully UTC Date (dd/mm/yyyy): 20 FEB 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	787	Bot-5	✓ 127			x										
2	2	788	Bot-5	✓ 127		x					x	x	x	x			
3	3	789	100	✓ 100			x										
4	4	790	75	✓ 75			x										
5	5	791	50	✓ 50			x										
6	6	792	50	✓ 50		x					x	x	x	x			
7	7	793	30	✓ 30			x										
8	8	794	20	✓ 20			x			x							
9	9	795	10	✓ 10			x			xx							
10	10	796	5	✓ 5			xx										
11	11	797	0	✓ 2.8			x			x							
12	12	798	0	✓ ↓		x					xx	xx	xx	xx			
13	13	799	0	✓ ↓											xxx		
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 135 m
Transmisso Cleaned: ☒ Y ☒ Y ☒ N

Time	UTC	Local
Start	1920	1120
Bottom	1922	
End	1932	

Positional Information

Lat:	54 ° 20	534 N
Lon:	130 ° 49	613 W

Start

Bottom

Lat:	54 ° 20	530 N
Lon:	130 ° 49	590 W

End

Lat:	54 ° 20	540 N
Lon:	130 ° 49	590 W

Extra comments:
No DIP

Water Properties Group

Sampling Log

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

Cruise ID:

2020-001

Station:

HECS8

Event #:

~~105~~ 104

Ship:

Tully

UTC Date (dd/mm/yyyy): 20 2 20

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC	VAR	
1		800	Bot-5	✓ 117	x		xx										
2		801	Bot-5	✓		x					x	x	x	x			
3		802	100	✓	x		x										
4		803	75	✓	x		x										
5		804	50	✓	x		x										
6		805	50	✓		x					x	x	x	x			
7		806	30	✓	x		x										
8		807	20	✓	x		x			x							
9		808	10	✓	x		x			xx							
10		809	5	✓	xx		x										
11		810	0	✓	x		x			x							
12		811	0	✓		x					xx	xx	xx	xx			
13		812	0	✓											xxx		
14		813	5	✓												x	
15		814	5	✓												x	
16		815	5	✓												x	
17		816	below Mix	✓ 100												x	
18		817	below Mix	✓ 100												x	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): H M

Bottom Depth: 118 m

Transmisso Cleaned: 2 (Y) 1 N

Time	UTC	Local
Start	2047	1247
Bottom	2049	
End	2101	

Positional Information

Lat:	54 ° 23 25 N
Lon:	131 ° 05 64 W

Lat:	54 ° 23 28 N
Lon:	131 ° 05 66 W

Lat:	54 ° 23 36 N
Lon:	131 ° 05 87 W

Extra comments:

1 2 3, 17, 18 4 5 etc
6 7 8 9 10 14 15 16
11 12 13
OUT-OF-ORDER

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: HECS7 Event #: 106 Ship: Tully UTC Date (dd|mmm|yyyy): 20 | 2 | 20

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ☒ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1		818	Bot-5	☒		x		x									
2		819	Bot-5	☒			x				x	x	x	x			
3		820	100	☒		xx		x									
4		821	75	☒		x		x									
5		822	50	☒		x		x									
6		823	50	☒			x				x	x	x	x			
7		824	30	☒		x		x									
8		825	20	☒		x		x		x							
9		826	10	☒		x		x		x							
10		827	5	☒		x		xx									
11		828	0	☒		x		x		xx							
12		829	0	☒			x				xx	xx	xx	x			
13		830	0	☒											xxx		
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 125 m
Transmisso Cleaned: Y2(Y) / N

Time	UTC	Local
Start	23 32	15 32
Bottom	23 35	
End	23 45	

Positional Information

Lat:	54 ° 13 88	N
Lon:	131 ° 02 41	W

Start

Lat:	54 ° 13 91	N
Lon:	131 ° 02 44	W

Bottom

Lat:	54 ° 13 91	N
Lon:	131 ° 02 36	W

End

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CHAT2 Event #: 107 Ship: Tully UTC Date (dd|mmm|yyyy): 21|02|20

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1		831	Bot-5	✓	103			x									
2		832	Bot-5	✓			x				x	x	x	x			
3		833	175	✓			x										
4		834	150	✓			x										
5		835	125	✓			x										
6		836	100	✓			xx										
7		837	75	✓			x										
8		838	50	✓			x		xx								
9		839	50	✓			x				x	x	x	x			
10		840	40	✓			x		xx								
11		841	30	✓			x		xx								
12		842	20	✓			x			xx							
13		843	10	✓			x			x							
14		844	5	✓			x										
15		845	0	✓			x			x							
16		846	0	✓			x				xx	xx	xx	xx			
17		847	0	✓											xxx		
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 108 m
Transmisso Cleaned: XZ ☒ Y / N

Time	UTC	Local
Start	01 36	17 36
Bottom	01 39	
End	01 53	

Positional Information
Start
Lat: 54 ° 16 18 N
Lon: 130 ° 46 76 W

Bottom
Lat: 54 ° 16 17 N
Lon: 130 ° 46 76 W

End
Lat: 54 ° 16 12 N
Lon: 130 ° 46 93 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH20 Event #: 108 Ship: Tully UTC Date (dd/mm/yyyy): 21 02 20

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1		848	Bot-5	✓	149			x									
2		849	125	✓				x									
3		850	100	✓				x									
4		851	75	✓				x									
5		852	50	✓				X									
6		853	30	✓				x									
7		854	20	✓				x									
8		855	10	✓				xx									
9		856	5	✓				x									
10		857	0	✓				x									
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: 155 m
Transmisso Cleaned: X2 (Y) 1 N

Time	UTC	Local
Start	0230	1030
Bottom	0233	
End	0244	

Positional Information
Start
Lat: 54 ° 13 54 N
Lon: 130 ° 43 03 W

Bottom
Lat: 54 ° 13 51 N
Lon: 130 ° 43 06 W

End
Lat: 54 ° 13 50 N
Lon: 130 ° 43 93 W

Extra comments:

Water Properties Group

Sampling Log

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

Cruise ID:

2020-001

Station:

CH19

Event #:

109

Ship:

Tully

UTC Date (dd|mmm|yyyy): 21 Feb 2020

			Rosette Operation		Samples Taken / Sampler's Initials												Comments			
Niskin #	Firing #	Sample #	Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC					
1	1	858	Bot-5	✓ 70			x													
2	2	859	Bot-5	✓ 70		x					x	x	x	x						
3	3	860	50	✓ 50			x													
4	4	861	50	✓ 50		x					x	x	x	x						
5	5	862	30	✓ 30			x													
6	6	863	20	✓ 20			x			x										
7	7	864	10	✓ 10			x			xx										
8	8	865	5	✓ 5			xx													
9	9	866	0	✓ 2.1			x			x										
10	10	867	0	✓ ↓		x					xx	xx	xx	xx						
11	11	868	0	✓ ↓											xxx					
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: 74 mTransmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1111	0311
Bottom	1113	
End	11	

Positional Information

Lat: 54 ° 15 190 N
 Lon: 130 ° 35 630 W

Lat: 54 ° 15 210 N
 Lon: 130 ° 35 580 W

Lat: 54 ° 15 220 N
 Lon: 130 ° 35 550 W

Extra comments:

No DTP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: PRHR74 Event #: 110 Ship: Tully UTC Date (dd/mm/yyyy): 21 FEB 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments	
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC			
			✓															
1	1	869	Bot-5	✓	31			xx										
2	2	870	Bot-5	✓	31		x				x	x	x	x				
3	3	871	30	✓	30			x										
4	4	872	30	✓	30		x				x	x	x	x				
5	5	873	20	✓	20			x			xx							
6	6	874	10	✓	10			x			x							
7	7	875	5	✓	5			x										
8	8	876	0	✓	1.6			x			x							
9	9	877	0	✓	1		x				xx	xx	xx	xx				
10	10	878	0	✓	1											xxx		
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: 37 m
 Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	12 41	0441
Bottom	12 42	
End	12 47	

Positional Information

Start	Lat: 54 ° 13 550 N
	Lon: 130 ° 21 190 W

Bottom

Lat: 54 ° 13 541 N
Lon: 130 ° 21 174 W

End

Lat: 54 ° 13 534 N
Lon: 130 ° 21 130 W

Extra comments:
 No DTP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH23 Event #: 111 Ship: Tully UTC Date (dd|mmm|yyyy): 21 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials										Comments		
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	879	Bot-5	✓	97			x									
2	2	880	75	✓	75			x									
3	3	881	50	✓	50			x									
4	4	882	30	✓	30			x									
5	5	883	20	✓	20			x									
6	6	884	10	✓	10			xx									
7	7	885	5	✓	5			x									
8	8	886	0	✓	22			x									
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): M

Bottom Depth: 103 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1316	05
Bottom	1318	
End	1327	

Positional Information

Lat:	54 ° 11 460	N
Lon:	130 ° 23 510	W

Bottom

Lat:	54 ° 11 450	N
Lon:	130 ° 23 530	W

End

Lat:	54 ° 11 470	N
Lon:	130 ° 23 510	W

Extra comments:
No DSP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001

Station: CHAT1

Event #: 112

Ship: Tully

UTC Date (dd/mm/yyyy): 21 Feb 2020

Event #.		Ship:		Tully		UTC Date (dd/mm/yy)											
Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	887	Bot-5	✓ 101	x		x		x								
2	2	888	Bot-5	✓ 101		x						x	x	x	x		
3	3	889	100	✓ 100	x		x		xx								
4	4	890	100	✓ 100		x						x	x	x	x		
5	5	891	75	✓ 75	xx		xx		x								
6	6	892	75	✓ 75		x						x	x	x	x		
7	7	893	50	✓ 50	x		x		x								
8	8	894	50	✓ 50		x						x	x	x	x		
9	9	895	30	✓ 30	x		x		x								
10	10	896	30	✓ 30		x						x	x	x	x		
11	11	897	20	✓ 20	x		x		x	x							
12	12	898	20	✓ 20		x						x	x	x	x		
13	13	899	10	✓ 10	x		x		x	x							
14	14	900	10	✓ 10		x						x	x	x	x		
15	15	901	5	✓ 5	x		x		x								
16	16	902	5	✓ 5		x						x	x	x	x		
17	17	903	0	✓ 1.7	x		x		x	xx							
18	18	904	0	✓ 1		x						xx	xx	xx	xx		
19	19	905	0	✓ 1													
20																xxx	
21																	
22																	
23																	
24																	

Version: 25 Nov 2012

Transmissometer to be cleaned before each use. Do not use ammonia products.

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

Bottom Depth: 107 m
 Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	1353	0553
Bottom	1354	
End	1403	

Positional Information

Lat	Lon
Start	54 ° 12 070 N 130 ° 27 480 W
Bottom	54 ° 12 070 N 130 ° 27 520 W
End	54 ° 12 030 N 130 ° 27 590 W

Extra comments:
 NO Def

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH25 Event #: 113 Ship: Tully UTC Date (dd|mmm|yyyy): 21 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	906	Bot-5	✓ 111			x										
2	2	907	Bot-5	✓ 111		x					x	x	x	x			
3	3	908	100	✓ 100			x										
4	4	909	75	✓ 75			xx										
5	5	910	50	✓ 50			x										
6	6	911	50	✓ 50		x					x	x	x	x			
7	7	912	30	✓ 30			x										
8	8	913	20	✓ 20			x			x							
9	9	914	10	✓ 10			x			xx							
10	10	915	5	✓ 5			x										
11	11	916	0	✓ 2.5			x			x							
12	12	917	0	✓ ↓		x					xx	xx	xx	xx			
13	13	918	0	✓ ↓											xxx		
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 118 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	14 37	06 37
Bottom	14 40	
End	14 50	

Positional Information

Lat:	54 ° 8 880	N
Lon:	130 ° 26 240	W

Start

Lat: 54 ° 8 890 N
Lon: 130 ° 26 230 W

Bottom

Lat: 54 ° 8 920 N
Lon: 130 ° 26 230 W

End

Extra comments:
No DEP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH26 Event #: 114 Ship: Tully UTC Date (dd/mmm/yyyy): 21 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments	
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC			
1	1	919	Bot-5	✓	57			x		x								
2	2	920	50	✓	50			x		xx								
3	3	921	30	✓	30			x		x								
4	4	922	20	✓	20			x		x								
5	5	923	10	✓	10			x		x								
6	6	924	5	✓	5			xx		x								
7	7	925	0	✓	1.4			x		x								
8																		
9																		
10																		
11																		
12																		
13																		
14																		
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19																		
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24																		

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

Bottom Depth: 64 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	15:16	07
Bottom	15:17	
End	15:22	

Positional Information

Lat:	54 ° 8 800 N
Lon:	130 ° 21 460 W

Start

Bottom

End

Lat:	54 ° 8 800 N
Lon:	130 ° 21 450 W

Lat:	54 ° 8 800 N
Lon:	130 ° 21 450 W

Extra comments:

No DEP

Water Properties Group

Sampling Log

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

Cruise ID:

2020-001

Station:

CH27

Event #:

116

Ship:

Tully

UTC Date (dd|mmm|yyyy):

21 | Feb | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC	Cr	
1	1	926	Bot-5	✓ 43			x		x							xxx	
2	2	927	Bot-5	✓ 43		x					x	x	x	x			
3	3	928	30	✓ 3			x		xx							xxx	
4	4	929	30	✓ 4		x					x	x	x	x			
5	5	930	20	✓ 20			xx		x	xx						xxx	
6	6	931	10	✓ 10			x		x	x						xxx	
7	7	932	5	✓ 5			x		x							xxx	
8	8	933	0	✓ 2.1			x		x	x						xxx	
9	9	934	0	✓ ↓		x					xx	xx	xx	xx			
10	10	935	0	✓ ↓											xxx		
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

929
SAL
CH27
2020-001
30 m
bot 4

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

Bottom Depth: 48 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	16 11	08 11
Bottom	16 12	
End	16 18	

Positional Information

Lat:	54 ° 6	630 N
Lon:	130 ° 16	350 W

Start

Lat:	54 ° 6	640 N
Lon:	130 ° 16	350 W

Bottom

Lat:	54 ° 6	630 N
Lon:	130 ° 16	370 W

End

Extra comments:
No Def

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CH29 Event #: 117 Ship: Tully UTC Date (dd:mmm/yyyy): 21 FEB 2020

Niskin #	Firing #	Sample #	Rosette Operation			Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓	Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	941	Bot-5	✓	132			xx										
2	2	942	75	✓	75			x										
3	3	943	50	✓	50			x										
4	4	944	30	✓	30			x										
5	5	945	20	✓	20			x										
6	6	946	10	✓	10			x										
7	7	947	5	✓	5			x										
8	8	948	0	✓	2.2			x										
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

Bottom Depth: 137 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	16 44	08 44
Bottom	16 47	
End	16 55	

Positional Information

Start	Lat: 54 ° 5 410 N
	Lon: 130 ° 19 290 W

Bottom

Lat: 54 ° 5 401 N
Lon: 130 ° 19 286 W

End

Lat: 54 ° 5 410 N
Lon: 130 ° 19 310 W

Extra comments:
No DEP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: MP55 Event #: 118 Ship: Tully UTC Date (dd/mm/yyyy): 21 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	949	Bot-5	✓ 105			x										
2	2	950	Bot-5	✓ 105		x					x	x	x	x			
3	3	951	75	✓ 75			x										
4	4	952	50	✓ 50			x										
5	5	953	50	✓ 50		x					x	x	x	x			
6	6	954	30	✓ 30			x										
7	7	955	20	✓ 20			xx			x							
8	8	956	10	✓ 10			x			x							
9	9	957	5	✓ 5			x										
10	10	958	0	✓ 2.0			x			xx							
11	11	959	0	✓ ↓		x					xx	xx	xx	xx			
12	12	960	0	✓ ↓											xxx		
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Watchkeeper(s): MS

Bottom Depth: 111 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1726	0926
Bottom	1728	
End	1736	

Positional Information

Start

Lat: 54 ° 4 230 N

Lon: 130 ° 16 180 W

Bottom

Lat: 54 ° 4 250 N

Lon: 130 ° 16 180 W

End

Lat: 54 ° 4 310 N

Lon: 130 ° 16 190 W

Extra comments:

NO DSP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001

Station: CH31

Event #: 119

Ship: Tully

UTC Date (dd|mmm|yyyy): 21 | Feb | 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments	
			Target Pressure	Confirmed Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC			
1	1	961	Bot-5	✓	83			xx										
2	2	962	75	✓	75			x										
3	3	963	50	✓	50			x										
4	4	964	30	✓	30			x										
5	5	965	20	✓	20			x										
6	6	966	10	✓	10			x										
7	7	967	5	✓	5			x										
8	8	968	0	✓	1.6			x										
9	9	969	0	✓	1										xxx			
10																		
11																		
12																		
13																		
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22																		
23																		
24																		

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

Bottom Depth: 90 m
Transmissio Cleaned: Y / N

	UTC	Local
Start	1824	1024
Bottom	1825	
End	1833	

Positional Information

Start	Lat: 54 ° 1 910 N
	Lon: 130 ° 14 060 W

Bottom

Lat: 54 ° 1 951 N
Lon: 130 ° 14 096 W

End

Lat: 54 ° 2 039 N
Lon: 130 ° 14 17 W

Extra comments:
NO DIP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: OGCH50 Event #: 120 Ship: Tully UTC Date (dd/mm/yyyy): 21 Feb 2020

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	970	Bot-5	✓ 125			x										
2	2	971	100	✓ 100			xx										
3	3	972	75	✓ 75			x										
4	4	973	50	✓ 50			x										
5	5	974	30	✓ 30			x										
6	6	975	20	✓ 20			x										
7	7	976	10	✓ 10			x										
8	8	977	5	✓ 5			x										
9	9	978	0	✓ 13			x										
10	10	979	0	✓ 6										xxx			
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: 128 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1909	1109
Bottom	1912	
End	1921	

Positional Information

Start	Lat:	53 ° 59 310 N
	Lon:	130 ° 12 480 W
Bottom	Lat:	53 ° 59 332 N
	Lon:	130 ° 12 503 W
End	Lat:	53 ° 59 356 N
	Lon:	130 ° 12 509 W

Extra comments:
No DEP

Water Properties Group

Sampling Log

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

Cruise ID: 2020-001 Station: CPE1 Event #: 123 Ship: Tully UTC Date (dd|mmm|yyyy): 22 | 2 | 20

Niskin #	Firing #	Sample #	Rosette Operation		Samples Taken / Sampler's Initials												Comments
			Target Pressure	Confirmed ✓ Pressure	OXY	SAL	NUT-F	NUT-C	DIC	CHL	TOC	DOC	CDOM	O18	SPC		
1	1	980	5	✓ 5.4		x	x			xx							
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
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21																	
22																	
23																	
24																	

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

Bottom Depth: 145 m
Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	18:21	10:21
Bottom	18:24	
End	18:29	

Positional Information
Start
Lat: 51 ° 00 40 N
Lon: 127 ° 49 99 W

Bottom
Lat: 51 ° 00 50 N
Lon: 127 ° 50 01 W

End
Lat: 51 ° 00 50 N
Lon: 127 ° 50 050 W

Extra comments:
+ Loop