

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

۱۸۱

Watchkeeper(s): *CD*

Transmisso Cleaned: Y / N

Start	2024	324.
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Bottom	2107	1407
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End	2012	1512
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Lon: 131° 01.88' W

Lat: 20° 20' 00" N

Lon: 121° 01.40' W

Lat: 22° 20' N

Loc: 151 01.110 W

Extra comments:

Extra comments:

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

Bottom Depth:	<u>2525</u>	m
Transmisso Cleaned: <u>Y</u> <u>1</u> <u>N</u>		

Time	UTC	Local
Start	<u>2024</u>	<u>1324</u>
Bottom	<u>2109</u>	<u>1409</u>
End	<u>2213</u>	<u>1512</u>

Positional Information

Start	
Lat: <u>50</u>	° <u>53.273</u> N
Lon: <u>131</u>	° <u>01.856</u> W

Bottom	
Lat: <u>50</u>	° <u>53.200</u> N
Lon: <u>131</u>	° <u>01.739</u> W

End	
Lat: <u>50</u>	° <u>53.23</u> N
Lon: <u>131</u>	° <u>01.740</u> W

Extra comments:

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-036

Station:

DS24

Event #:

13

Ship:

Tully

UTC Date (dd|mm|yyyy): 19 11 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists:		Comments
			Target Pressure	Confirmed Pressure	DNA		All Samples		
1	1	43	Btm-5	✓ 2084	X				
2	2	44	Btm-5	✓ 2084	X				
3	3	45	Btm-5	✓ 2084	X				
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

Version: 4MAAR2021

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

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): D 55

Bottom Depth: 2016 m

Transmissio Cleaned: (Y) / N

Time	UTC	Local
Start	0404	2124
Bottom	0502	2202
End	0535	2235

Positional Information

Start

Lat: 50° 45.210' N

Lon: 130° 59.095' W

Bottom

Lat: 50° 45.150' N

Lon: 130° 59.000' W

End

Lat: 50° 45.120' N

Lon: 130° 58.930' W

Extra comments:

Water Properties Group

Program STN List:

Custom Stn List

Sampling Log

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

19-JUN-21

Cruise ID:

2021-036

Station:

DS46

Event #:

15

Ship:

Tully

UTC Date (dd/mm/yyyy):

19/06/21

121

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:		Core Samples		Comments	
			Target Pressure	Confirmed Pressure	OXY	DNA	Nut-F	Nut-C	SNL						Save sheet after printing labels:	YES
1		46	BTM-5	✓ 573		X										
2		47	BTM-5	✓ 573		X										
3		48	BTM-5	✓ 573												
4		49	BTM-5	✓ 573			X									
5		50	BTM-25	✓ 554	X		X	X								
6		51	500	✓ 500	XX		X	XX	X							
7		52	400	✓ 400	X		XX	X								
8		53	300	✓ 300	X		X									
9		54	100	✓ 100	X		X									
10		55	10	✓ 10	X		X									
11							X									
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Version: 4MAR2021

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

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

Bottom Depth: 579 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	0703	0003
Bottom	0713	0013
End	0731	

Positional Information
Start
Lat: 50 ° 44.557 N
Lon: 130 ° 53.402 W

Bottom
Lat: 50 ° 44.602 N
Lon: 130 ° 53.520 W

End
Lat: 50 ° 44. N
Lon: ° W

Extra comments:

Water Properties Group

Program STN List:

Cruise ID:

2021-036

Station:

DS16

Sampling Log

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

Event #:

22

Ship:

Tully

UTC Date (dd/mm/yyyy):

20 Jan 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	DNA		All Samples		Save sheet after printing labels:	YES
1	1	56	Blm-5	✓ 1773	X					
2										
3										
4										
5										
6										
7	2	57	BTM-5	✓ 1773	X					
8										
9										
10										
11										
12										
13										
14										
15	3	58	BTM-5	✓ 1773	X					
16										
17										
18										
19										
20										
21										
22										
23										
24										

Version: 4MMAR2021

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

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): 55/CS

Bottom Depth: 1778 m
Transmisso Cleaned: (Y) I N

Time	UTC	Local
Start	02:36	19:36
Bottom	03:07	20:07
End	03:37	20:37

Positional Information

Lat: 50 ° 43.721	N
Lon: 130 ° 49.574	W

Bottom

Lat: 50 ° 43.733	N
Lon: 130 ° 49.570	W

End

Lat: 50 ° 43.741	N
Lon: 130 ° 49.508	W

Extra comments:
Descent slowed down ~180m

Lat: 50 N
Lon: 130 W

Bottom Depth: 1778 m

Time: 02:36 UTC, 19:36 Local

Positional Information: Lat 50 N, Lon 130 W

Bottom: Lat 50 N, Lon 130 W

End: Lat 50 N, Lon 130 W

Extra comments: Descent slowed down ~180m

Water Properties Group

Program
STN List: Custom_Sin_List

Sampling Log

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

Cruise ID:

2021-036

Station:

DS27

Event #:

26

Ship:

Tully

UTC Date (dd|mm|yyyy): 20 11 2021

Rosette Operation

Target Pressure

Confirmed Pressure

Sampler's Initials / Samples Taken

Comments

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s):

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Samples Taken

Sample Lists:

Core Samples

Save sheet after printing labels:

YES

Bottom Depth: 1355 m

Transmisso Cleaned: 0/ N

Target Pressure

OXY DNA Sal

Sal

Water Properties Group

Program
STN List:

Custom_Stn_List

Sampling Log

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

Cruise ID:

2021-036

Station:

TW01

Event #:

32

Ship:

Tully

UTC Date (dd|mm|yyyy): 21 | 03 | 21

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	DNA	Nut-F	Nut-C	Sal	Core	Samples	Save sheet after printing labels:	YES		
1	1	78	BTM-5	✓ 1353		X									
2	2	79	BTM-5	✓ 1353	X		X	X							
3	3	80	BTM-25	✓ 1334	X		X	X	X						
4	4	81	1250	✓ 1350	X		X	X							
5	5	82	1100	✓ 1350	X		X	X							
6	6	83	BTM-5	✓ 1353		X									
7	7	84	1050	✓ 1350	XX		X	X							
8	8	85	1000	✓ 1350	X		X	X							
9	9	86	950	✓ 1350	X		X	XX							
10	10	87	900	✓ 1350	X		XX	X							
11	11	88	800	✓ 1350	X		X	X							
12	12	89	BTM-5	✓ 1353		X									
13	13	90	700	✓ 1350	X		X	X							
14	14	91	600	✓ 1350	XX		XX	X							
15	15	92	500	✓ 1350	X		X	X							
16	16	93	400	✓ 1350	X		X	X							
17	17	94	300	✓ 1350	XX		XX								
18	18	95	100	✓ 1350	X		X								
19	19	96	10	✓ 1350	X		X								
20															
21															
22															
23															
24															

Version: 4MAR2021

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

Profile type:
ROS TRM X-Niskin other?
Watchkeeper(s): 01 JS

Bottom Depth: 1352 m
Transmissio Cleaned: YES N

Time UTC Local
Start 0235 1925
Bottom 0249 1949
End 0329 2029

Positional Information

Start
Lat: 51 ° 27 46.4 N
Lon: 130 ° 50.538 W

Bottom
Lat: 51 ° 27 46.0 N
Lon: 130 ° 50.530 W

End
Lat: 51 ° 27 47.5 N
Lon: 130 ° 50.542 W

Extra comments:

Water Properties Group

Program STN List:

Custom Stn List

Sampling Log

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

Cruise ID:

2021-036

Station:

TW06

Event #:

35

Ship:

Tully

UTC Date (dd/mm/yyyy): 21 June 21

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken							Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	DIC	Nut-F	Nut-C	DNA	Sal		All Samples		Save sheet after printing labels:	YES
1	1	97	BTM-5	✓ 11.39					X						
2	2	98	BTM-5	✓ 11.39	X	X	X	X							
3	3	99	BTM-25	✓ 11.10	X	X	X	X		X					
4	4	100	1100	✓ 11.00	X	X	XX	X							
5	5	101	1050	✓ 10.50.3	X	X	X	XX							
6	6	102	1000	✓ 10.00	XX	X	X	X							
7	7	103	950	✓ 9.50	X	X	X	X							
8	8	104	BTM-5	✓ 11.21					X						
9	9	105	900	✓ 9.00	X	X	X	X							
10	10	106	800	✓ 8.01	X	X	X	X							
11	11	107	700	✓ 7.01	X	XX	X	X							
12	12	108	600	✓ 6.00	XX	X	X	X							
13	13	109	500	✓ 5.00	X	X	XX	X							
14	14	110	BTM-5	✓ 11.21					X						
15	15	111	400	✓ 4.00	X	X	X	XX							
16	16	112	300	✓ 3.01	X	X	X								
17	17	113	100	✓ 9.9	X	XX	X	X							
18	18	114	10	✓ 1.0	X	X	X								
19															
20															
21															
22															
23															
24															

Version: 4MMAR2021

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

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

Bottom Depth: 1098 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 1529 2229
Bottom 0550 2250
End 0624 2324

Positional Information
Start
Lat: 51 ° 35.510 N
Lon: 130 ° 41.200 W

Bottom
Lat: 51 ° 35.510 N
Lon: 130 ° 41.200 W

End
Lat: 51 ° 35.510 N
Lon: 130 ° 41.200 W

Extra comments:

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

UTC Date (dd/mm/yyyy) 27/01/2014

other?

Watchkeeper(s):

Transmisso Cleaned: ☒ Y / ☐ N

Start	17832	2135
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End	10/11	02/11
-----	-------	-------

Lat: 37° 25' N

Lon: 131° 00' 13"

Lon: 131° 11' 51"

▲

W 080

10

[illegible]

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

_____ Wine _____

Water Properties Group

Program
STN List:

Custom_Stn_List

Sampling Log

Cruise ID:

2021-036

Station:

TW05

Event #:

40

Ship:

Tully

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

UTC Date (dd/mm/yyyy): 21 June 2021

Rosette Operation
Target Pressure

Sampler's Initials / Samples Taken

Sample Lists: All Samples

Comments

Save sheet after printing labels: YES

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): JS

Bottom Depth: 2083 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	03:00	20:00
Bottom	03:34	20:34
End	04:12	21:12

Positional Information

Start
Lat: 51 ° 27.150 N
Lon: 130 ° 58.650 W

Bottom
Lat: 51 ° 27.150 N
Lon: 130 ° 58.660 W

End
Lat: 51 ° 27.170 N
Lon: 130 ° 58.770 W

Extra comments:

Version: 4MMAR2021

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

Niskin #	Firing #	Sample #	BTM-5	Confirmed Pressure	DNA	Comments
1	1	138	BTM-5	2120	X	
2					X	
3					X	
4						
5						
6						
7	2	139	BTM-5	2120		
8						
9						
10						
11						
12						
13						
14	3	140	BTM-5	2120		
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

Custom_Stn_List

Sampling Log

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

Cruise ID:

2021-036

Station:

TW04

Event #:

43

Ships:

Tully

UTC Date (dd|mmm|vvv): 22-1-22

Niskin #	Firing #	Sample #
-------------	-------------	-------------

Rosette Operation	
Target Pressure	Confirmed Pressure

Sampler's Initials / Samples Taken	
DNA	

Sample Lists:	All_Samples		
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Comments

Save sheet after printing labels.

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

01/15

Bottom Depth: 2197 m
Transmisso Cleaned: Y / N

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0611	2311
Bottom	0651	2351
End	0130	0030

End	0150	0050
-----	------	------

Positional Information	
Lat:	51 ° 22.640 N
Lon:	13 ° 50.623 W

Lon: 150° 50.635' W

Bottom

Lat: 51 ° 22.670 N
Lon: 130 ° 50.620 W

Lon: 150° 50, 620 W

Lat:	51° 22.810 N
Lon:	130° 50.690 W

on: 55.69 W

Extra comments:

Custom_Stn_List

Sampling Log

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

Cruise ID:

2021-036

Station:

TW03

Event #:

44

Ship:

Tully

UTC Date (dd|mmm|www). 22 Feb 2011

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

Watchkeeper(s): JJ

Bottom Depth: 1871 m
Transmisso Cleaned: Y / N

	UTC	Local
Time Start	08:35	01:35
Bottom	01:09	02:09
End	09:41	02:41

Positional Information

Lat: 51 ° 27.520 N
Lon: 130 ° 42.770 W

Lat: 51 ° 27' 510 N
Lon: 130 ° 42.990 W

Lat: 51 ° 27.510 N
Lon: 130 ° 43.100 W

Extra comments:

Version: 4MMAR2021

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

Water Properties Group

Program
STN List: Custom_Sin_List

Sampling Log

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

Cruise ID:

2021-036

Station:

ST01

Event #:

49

Ship:

Tully

UTC Date (dd|mm|yyyy): 24 June 21

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists:				Comments	
			Target Pressure	Confirmed Pressure	OXY	DNA	Nut-F	Nut-C	Core_Samples				Save sheet after printing labels:	YES
1	1	147	BTM-5	✓ 1824		X								
2	2	148	BTM-5	✓ 1824		X								
3	3	149	BTM-5	✓ 1824		X								
4	4	150	BTM-5	✓ 1824	X		X	X						
5	5	151	BTM-25	✓ 1807	X		X	X						
6	6	152	1500	✓ 1500	X		X	X						
7	7	153	1350	✓ 1350	X		X	X						
8	8	154	1250	✓ 1250	X		X	X						
9	9	155	1100	✓ 1100	X		X	X						
10	10	156	1050	✓ 1050	XX		X	X						
11	11	157	1000	✓ 1000	X		X	X						
12	12	158	950	✓ 950	X		X	X						
13		159	900	✓ 900	X		XX	X						
14		160	800	✓ 800	X		X	X						
15		161	700	✓ 700	X		X	XX						
16		162	600	✓ 600	X		X	X						
17		163	500	✓ 500	XX		XX	X						
18		164	400	✓ 400	X		X	X						
19		165	300	✓ 300	X		X							
20		166	100	✓ 100	X		X							
21		167	10	✓ 10	X		X							
22														
23														
24														

Profile type:

(ROS) TRM X-Niskin other?

Watchkeeper(s): A JS

Bottom Depth: 1785 m

Transmisso Cleaned: (Y) / N

Time		UTC	Local
Start		0507	2207
Bottom		0534	2231
End		0616	2316

Positional Information

Start
Lat: 49 ° 01.020 N
Lon: 132 ° 16.530 W

Bottom
Lat: 49 ° 01.030 N
Lon: 132 ° 16.620 W

End
Lat: 49 ° 01.030 N
Lon: 132 ° 16.710 W

Extra comments:

Water Properties Group

Program
STN List:

Custom_Stn_List

Sampling Log

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

Cruise ID:

2021-036

Station:

ST08

Event #:

52

Ship:

Tully

UTC Date (dd/mm/yyyy): 24 Jun 2022

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples					Comments	
			Target Pressure	Confirmed Pressure	OXY	DIC	Nut-F	Nut-C	82						Save sheet after printing labels:	YES
1		168	BTM-5	✓ 3205	X	X	X	X								
2		169	BTM-25	✓ 3185	X	X	X	XX								
3		170	2750	✓ 3150	X	X	X	X								
4		171	2500	✓ 2500	X	X	X	X								
5		172	2250	✓ 2250	X	XX	X	X								
6		173	2000	✓ 2000	X	X	X	X								
7		174	1750	✓ 1750	X	X	X	X								
8		175	1500	✓ 1500	X	X	XX	X								
9		176	1350	✓ 1350	X	X	X	X								
10		177	1250	✓ 1250	XX	X	X	X								
11		178	1100	✓ 1100	X	X	X	X								
12		179	1050	✓ 1050	X	X	X	X								
13		180	1000	✓ 1000	X	X	X	XX								
14		181	950	✓ 950	X	X	X	X								
15		182	900	✓ 900	X	X	X	X								
16		183	800	✓ 800	X	XX	X	X								
17		184	700	✓ 700	X	X	X	X								
18		185	600	✓ 600	XX	X	X	X								
19		186	500	✓ 500	X	X	X	X								
20		187	400	✓ 400	X	X	X	X								
21		188	300	✓ 500	X	X	XX									
22		189	100	✓ 100	X	X	X									
23		190	10	✓ 10	X	X	X									
24																

Version: 4MMAR2021

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

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

Bottom Depth: 3185 m
Transmisso Cleaned: (Y) / N

Time UTC Local
Start 08340136
Bottom 08310231
End 10410342

Positional Information

Start
Lat: 48° 59.4' N
Lon: 132° 25.8' W

Bottom
Lat: 48° 57.4' N
Lon: 132° 25.9' W

End
Lat: 48° 59.4' N
Lon: 132° 25.8' W

Extra comments:

Water Properties Group

Program
STN List:

Custom_Sin_List

Sampling Log

Cruise ID:

2021-036

Station:

FWG1 VNB3-10

Event #:

56

Ship:

Tully

UTC Date (dd/mm/yyyy): 24 June 2011.

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists: Core Samples		Comments
			Target Pressure	Confirmed Pressure	OXY	Sal			
1	1	191	BTM-50	✓ 3213	x	x			10-off not 5
2	2	192	BTM-25	✓ 3197	xx	x			
3	3	193	3000	✓ 2994	x	xx			
4	4	194	2750	✓ 2751	x	x			
5	5	195	2500	✓ 2500	x	x			
6	6	196	2250	✓ 2250	x	x			
7	7	197	2000	✓ 1998	x	x			
8	8	198	1750	✓ 1752	x	x			
9	9	199	1500	✓ 1499	x	x			
10	10	200	1350	✓ 1349	x	xx			
11	11	201	1250	✓ 1250	x	x			
12	12	202	1100	✓ 1101	x	x			
13	13	203	1050	✓ 1050	x	x			
14	14	204	1000	✓ 1000	x	x			
15	15	205	950	✓ 950	x	x			
16	16	206	900	✓ 900	x	x			
17	17	207	800	✓ 800	x	x			
18	18	208	700	✓ 700	xx	x			
19	19	209	600	✓ 600	x	x			
20	20	210	500	✓ 500	x	x			
21	21	211	400	✓ 400	x	x			
22	22	212	300	✓ 300	xx	x			
23	23	213	100	✓ 100	x	x			
24	24	214	10	✓ 10	x	x			

Version: 4MAR2021

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

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

Bottom Depth: 3166 m
Transmisso Cleaned: (Y) / N

Time UTC Local
Start 04:10 09:10 2110
Bottom 05:06 10:06 2200
End 06:19 13:09 2309

Positional Information

Start
Lat: 49 ° 37.370 N
Lon: 132 ° 21.490 W

Bottom
Lat: 49 ° 37.280 N
Lon: 132 ° 21.520 W

End
Lat: 49 ° 31.260 N
Lon: 132 ° 21.500 W

Extra comments:

Altimeter jumping around - went 10-off bottom instead of 5-off.

Water Properties Group

Program
STN List:

Custom_Stn_List

Sampling Log

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

Cruise ID:

2021-036

Station:

UN13_06

Event #:

54

Ship:

Tully

UTC Date (dd|mm|yyyy): 25 1000 2421

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed Pressure	OXY	DNA							
1	1	215	BTM-5	✓ 2181		x							
2	2	216	BTM-5	✓ 2181		x							
3	5	217	BTM-25	✓ 2165		x							
4	6	218	2000	✓ 2000		xx							
5	7	219	1750	✓ 1760		x							
6	4	220	1500	✓ 1500		x							
7	9	221	1350	✓ 1350		x							
8	10	222	1250	✓ 1250		x							
9	11	223	1100	✓ 1102		x							
10	12	224	1050	✓ 1044		x							
11	3	225	BTM-5	✓ 2181			x						
12	13	226	1000	✓ 1000		xx							
13	14	227	950	✓ 951		x							
14	15	228	900	✓ 900		x							
15	16	229	800	✓ 794		x							
16	17	230	700	✓ 700		x							
17	18	231	600	✓ 601		x							
18	19	232	500	✓ 494		x							
19	20	233	400	✓ 401		x							
20	21	234	300	✓ 300		x							
21	22	235	100	✓ 100		x							
22	23	236	10	✓ 10		x							
23	24	237	BTM-5	✓ 2181		x							
24													

Profile type:
(ROS IRM X-Niskin other?)
Watchkeeper(s): 255

Bottom Depth: 2160 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	06153	0053
Bottom	0852	0132
End	0928	0228

Positional Information

Start
Lat: 49 ° 34.410 N
Lon: 152 ° 17.580 W

Bottom
Lat: 49 ° 34.360 N
Lon: 152 ° 17.400 W

End
Lat: 49 ° 34.880 N
Lon: 152 ° 17.510 W

Extra comments:

Water Properties Group

Program
STN List:

Custom_Sin_List

Sampling Log

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

Cruise ID:

2021-036

Station:

UN13_01

Event #:

62

Ship:

Tully

UTC Date (dd|mm|yyyy):

25 Jun 21

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists:		Comments	
			Target Pressure	Confirmed Pressure	OXY	DNA	Nut-F	Nut-C	Sal	Core_Samples		Save sheet after printing labels:	YES
1		238	BTM-5	✓ 2268		X							
2		239	BTM-5	✓ 2264	X		X	X					
3		240	BTM-25	✓ 2250	X		X	X	X				
4		241	2000	✓ 2000	X		X	X					
5		242	1750	✓ 1750	X		X	X					
6		243	1500	✓ 1500	X		X	X					
7		244	1350	✓ 1350	X		X	XX					
8		245	1250	✓ 1250	X		X	X					
9		246	1100	✓ 1100	X		X	X					
10		247	BTM-5	✓ 2268		X							
11		248	1050	✓ 1050	X		X	X					
12		249	1000	✓ 1000	X		X	X					
13		250	950	✓ 950	X		X	X					
14		251	900	✓ 900	X		X	X					
15		252	800	✓ 800	X		X	X					
16		253	700	✓ 700	X		X	X					
17		254	600	✓ 600	X		X	XX					
18		255	500	✓ 500	X		XX	X					
19		256	BTM-5	✓ 2268		X							
20		257	400	✓ 400	X		X	X					
21		258	300	✓ 300	X		X						
22		259	100	✓ 100	X		X						
23		260	10	✓ 10	X		X						
24													

Version: 4MAR2021

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

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

Bottom Depth: 2155 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1112	0412
Bottom	1151	0451
End	1241	0541

Positional Information
Lat: 49 ° 27.649 N
Lon: 132 ° 11.122 W

Bottom
Lat: 49 ° 25.666 N
Lon: 132 ° 11.300 W

End
Lat: 49 ° 29.680 N
Lon: 132 ° 11.426 W

Extra comments:

Water Properties Group

Program
STN List: Custom_Stn_List

Sampling Log

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

Cruise ID: 2021-036

Station: EN01

Event #: 67

Ship: Tully

UTC Date (dd|mm|yy): 26 JUN 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken						Sample Lists:				Comments
			Target Pressure	Confirmed Pressure	OXY	DNA	Sal	Nut-F	Nut-C	Core	Samples				
1	1	261	BTM-5	✓	1674		X								
2	2	262	BTM-5	✓	1674		X		X	X					
3	5	263	BTM-25	✓	1650		X	X	XX						
4	6	264	1500	✓	1500		X		X	X					
5	7	265	1350	✓	1350		X		XX	X					
6	4	266	1250	✓	1250		X		X	X					
7	9	267	1100	✓	1100		X		X	X					
8	3	268	BTM-5	✓	1674		X								
9	10	269	1050	✓	1050		X		X	X					
10	11	270	1000	✓	1000		X		X	XX					
11	12	271	950	✓	950		X		X	X					
12	13	272	900	✓	901		X		X	X					
13	14	273	800	✓	801		X		X	X					
14	15	274	700	✓	701		X		X	XX					
15	16	275	600	✓	600		X		X	X					
16	17	276	500	✓	501		X		X	X					
17	18	277	BTM-5	✓	1674		X								
18	19	278	400	✓	400		X		X	X					
19	20	279	300	✓	299		X		XX						
20	21	280	100	✓	100		X		X	X					
21	22	281	10	✓	9.7		X		X						
22															
23															
24															

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): 0155

Bottom Depth: 1611 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2344	1644
Bottom	0013	1713
End	0059	1759

Positional Information

Lat: 48 ° 17.940 N

Lon: 129 ° 02.640 W

Bottom

Lat: 48 ° 17.940 N

Lon: 129 ° 02.640 W

End

Lat: 48 ° 17.960 N

Lon: 129 ° 02.650 W

Extra comments:

Water Properties Group

Cruise ID: 2021-036

Station: EN02

Program STN List: Custom Stn List

Sampling Log

Event #: 71

Ship: Tully

UTC Date (dd|mm|yyyy): 27 Jun 2021

UTC Date (dd|mm|yyyy): 27 Jun 2021

Profile type:

ROS TRM X-Niskin other?

Watchkeeper(s): J. J. J.

Bottom Depth: 8514 m

Transmisso Cleaned: (Y) / (N)

Time

UTC

Local

Start	0345	2045
Bottom	0428	2128
End	0528	2228

Positional Information

Lat: 48 ° 18.12 N
Lon: 124 ° 54.894 W

Lat: 48 ° 18.17 N
Lon: 125 ° 54.92 W

Lat: 48 ° 18.11 N
Lon: 128 ° 54.89 W

Lat: 48 ° 18.11 N
Lon: 128 ° 54.89 W

Extra comments:

Comments

Save sheet after printing labels.

YES

Sample Lists: Core Samples

Sampler's Initials / Samples Taken

OXY

DNA

Sal

Nut-F

Nut-C

Niskin #	Firing #	Sample #	Rosette Operation Target Pressure	Confirmed Pressure	OXY	DNA	Sal	Nut-F	Nut-C	Comments
1	1	282	BTM-5	✓ 2543		X				
2	2	283	BTM-5	✓ 2543	X			X	X	
3	5	284	BTM-25	✓ 2523	X		X	X	X	
4	6	285	2000	✓ 2001	XX			X	XX	
5	7	286	1750	✓ 1750	X		X	X	X	
6	8	287	1500	✓ 1500	X		XX	X	X	
7	9	288	1350	✓ 1350	X		X	X	X	
8	10	289	1250	✓ 1250	X		X	X	X	
9	11	290	1100	✓ 1101	X		X	X	X	
10	12	291	1050	✓ 1051	X		X	X	X	
11	3	292	BTM-5	✓ 2543		X				
12	13	293	1000	✓ 1000	XX			X	X	
13	14	294	950	✓ 951	X		X	X	X	
14	15	295	900	✓ 900	X		X	X	X	
15	16	296	800	✓ 801	X		XX	X	X	
16	17	297	700	✓ 700	X		X	X	X	
17	18	298	600	✓ 602	X		X	XX	X	
18	19	299	500	✓ 501	X		X	X	X	
19	20	300	400	✓ 400	X		X	X	X	
20	21	301	300	✓ 301	X		X	X	X	
21	22	302	100	✓ 100	X		X	X	X	
22	23	303	10	✓ 10.5	X		X	X	X	
23	24	304	BTM-5	✓ 2543	X		X	X	X	