Water Properties Group — Sampling Log

Program STN List: All_Stns

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

Cruise ID: 2021-022 **Station:** SI **Event #:** 1 **Ship:** JP Tully **UTC Date (dd|mmm|yyyy):** 06 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	CHL	HPLC										Comments
						Sample Lists: Core_Samples													Save sheet after printing labels: YES
1		1	20	✓	20	x	x	xx											
2		2	10	✓	10	xx	x	x											
3		3	5	✓	5	x	x	x											
4		4	0	✓	2.8	x	x	x	xx										FL: 22
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): PC

Bottom Depth: 187 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0203	1903
Bottom	0208	1908
End	0215	1915

Positional Information

Start	Lat: 48	39.020	N
	Lon: 123	30.050	W
Bottom	Lat: 48	39.020	N
	Lon: 123	30.040	W
End	Lat: 48	39.010	N
	Lon: 123	30.030	W

Extra comments: 3

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group — Sampling Log

Program STN List: All_Stns

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

Cruise ID: 2021-022 Station: 59 Event #: 6 Ship: JP Tully UTC Date (dd|mmm|yyyy): 06 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Confirmed √	Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	DIC	CHL	HPLC	Lugol's	DA						Comments
						Sample Lists: Core_Samples													Save sheet after printing labels: YES
1		5	Bot-5	✓	234	x	x		x										
2		6	200	✓	200	x	x	x	xx										
3		7	175	✓	175	x	x												
4		8	150	✓	150	x	x		x										
5		9	125	✓	125	x	x												
6		10	100	✓	100	x	xx		x										
7		11	75	✓	75	x	xx		x										
8		12	50	✓	50	x	x		x										
9		13	40	✓	40	x	x												
10		14	30	✓	30	xx	x		xx										
11		15	20	✓	20	x	x		x	xx									
12		16	10	✓	10	x	x		x	x									
13		17	5	✓	5	xx	x		x	x									
14		18	0	✓	2.9	x			x										
15		19	0	✓	2.9		x			x	xx	x	x						FL:
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):

Bottom Depth: 237 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0532	1032
Bottom	0536	1036
End	0555	1055

Positional Information

Start	Lat:	48 °	37.778	N
	Lon:	123 °	37.730	W
Bottom	Lat:	48 °	14.434	N
	Lon:	123 °	14.320	W
End	Lat:	48 °	37.466	N
	Lon:	123 °	13.942	W

Extra comments:

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 **Station:** 102 **Event #:** 9 **Ship:** JP Tully **UTC Date (dd|mmm|yyyy):** 06 | Oct | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	DA	Lugol's	Comments
1		20	Bot-5	✓	254	x	x						
2		21	250	✓		x	x	x					
3		22	200	✓		xx	x						
4		23	175	✓		x	x						
5		24	150	✓		x	x						
6		25	125	✓		xx	x						
7		26	100	✓		x	x						
8		27	75	✓		x	xx						
9		28	50	✓		x	x						
10		29	40	✓		x	x						
11		30	30	✓		x	x						
12		31	20	✓		x	x		x				
13		32	10	✓		x	x		x				
14		33	5	✓		x	xx		xx				
15		34	0	✓		x	x		x	xx	x	x	FL:
16													
17													
18													
19													
20													
21													
22													
23													
24													

Sample Lists: Core_Samples

Comments — Save sheet after printing labels: YES

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 257 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1502	0802
Bottom	1507	
End	15	

Positional Information

Start	Lat:	48 ° 29.980 N
	Lon:	124 ° 44.260 W
Bottom	Lat:	48 ° 30.010 N
	Lon:	124 ° 44.350 W
End	Lat:	48 ° 30.060 N
	Lon:	124 ° 44.690 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group — Sampling Log

Program STN List: All_Stns

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

Cruise ID: 2021-022 Station: 75 Event #: 12 Ship: JP Tully UTC Date (dd|mmm|yyyy): 06 | OCT | 2021

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): SR

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Confirmed √	Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	Sample Lists: Core_Samples	Comments (Save sheet after printing labels: YES)
1		35	Bot-5	✓	223	x	x					
2		36	200	✓		x	x	x				
3		37	175	✓		x	x					
4		38	150	✓		xx	x					
5		39	125	✓		x	xx					
6		40	100	✓		x	x					
7		41	75	✓		x	x					
8		42	50	✓		x	x					
8		43	40	✓		x	x					*missed*
9		44	30	✓		x	x					
11		45	20	✓		x	x		x			
12		46	10	✓		x	x		xx			
13		47	5	✓		x	xx		x			
14		48	0	✓		xx	x		x	xx		FL:
15		42	50	✓	52							
16												
17												
18												
19												
20												
21												
22												
23												
24												

Bottom Depth: 225 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1822	1122
Bottom	1826	
End		

Positional Information

Start — Lat: 48 ° 28.190 N; Lon: 124 ° 32.840 W

Bottom — Lat: 48 ° 28.180 N; Lon: 124 ° 32.870 W

End — Lat: 48 ° 28.207 N; Lon: 124 ° 32.918 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group — Sampling Log

Program STN List: All_Stns

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

Cruise ID: 2021-022 Station: 72 Event #: 16 Ship: JP Tully UTC Date (dd|mmm|yyyy): 06 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's	Sample Lists: Core_Samples	Comments: Save sheet after printing labels: YES
1		49	Bot-5	√	186	x	xx		x						
2		50	175	√	175	x	x	x							
3		51	150	√	150	xx	xx		xx						
4		52	125	√	125	x	x								
5		53	100	√	100	xx	x		x						
6		54	75	√	75	x	x		x						
7		55	50	√	50	x	x		x						
8		56	40	√	40	x	x								
9		57	30	√	30	x	x		x						
10		58	20	√	20	x	x		x	x					
11		59	10	√	10	x	x		x	x					
12		60	5	√	5	x	x		xx	x					
13		61	0	√	3.0	x			x						
14		62	0	√	3.0		x			xx	xx	x	x		FL: <2
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): R

Bottom Depth: 188 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2343	1643
Bottom	2347	1647
End	0003	1707

Positional Information

Start	Lat:	48 °	18.430	N
	Lon:	124 °	04.020	W
Bottom	Lat:	48 °	18.440	N
	Lon:	124 °	04.030	W
End	Lat:	48 °	18.410	N
	Lon:	124 °	04.010	W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

1314
1317

0237 ~~turn~~ on

Water Properties Group — Sampling Log — Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Program STN List: All_Stns

Cruise ID: 2021-022 **Station:** 69 **Event #:** 21 **Ship:** JP Tully **UTC Date (dd|mmm|yyyy):** 07 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Confirmed √	Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	Sample Lists: Core_Samples	Comments: Save sheet after printing labels: YES
1		63	Bot-5	✓	175	x	x					
2		64	150	✓	150	x	xx	x				
3		65	125	✓	125	x	x					
4		66	100	✓	100	x	x					
5		67	75	✓	75	x	x					
6		68	50	✓	50	x	x					
7		69	40	✓	40	xx	xx					
8		70	30	✓	30	x	x					
9		71	20	✓	20	x	x		x			
10		72	10	✓	10	xx	x		xx			
11		73	5	✓	5	x	x		x			
12		74	0	✓	3.0	x	x		x	xx		FL:
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): R.

Bottom Depth: 180 m

Transmisso Cleaned: (Y) / N

Time	*UTC*	*Local*
Start	0303	2003
Bottom	0306	2006
End	0323	2023

Positional Information

Start	Lat:	48 ° 15.660 N
	Lon:	123 ° 43.410 W
Bottom	Lat:	48 ° 15.670 N
	Lon:	123 ° 43.540 W
End	Lat:	48 ° 15.630 N
	Lon:	123 ° 44.170 W

Extra comments:

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group — Sampling Log

Program STN List: All_Stns

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

Cruise ID: 2021-022 Station: adcp Event #: 26 Ship: JP Tully UTC Date (dd|mmm|yyyy): 07 | Oct | 2021

Sample Lists: Core_Samples

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	Lugol's	DA								Comments: Save sheet after printing labels: YES
1		75	Bot-5	✓	114	x	x													
2		76	100	✓		x	x	x												
3		77	75	✓		x	x													
4		78	50	✓		x	x													
5		79	40	✓		x	x													
6		80	30	✓		x	x													
7		81	20	✓		x	x		xx											
8		82	10	✓		xx	x		x											
9		83	5			x	xx		x											
10		84	0			x	x		x	xx	x	x								FL:
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

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

Watchkeeper(s): SR

Bottom Depth: 115 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0721	0021
Bottom	0724	
End	0740	

Positional Information

Start	Lat:	48 ° 13.920 N
	Lon:	123 ° 17.960 W
Bottom	Lat:	48 ° 13.930 N
	Lon:	123 ° 17.980 W
End	Lat:	48 ° 14.030 N
	Lon:	123 ° 18.000 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group — Sampling Log

Program STN List: All_Stns

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

Cruise ID: 2021-022 Station: 65 Event #: 31 Ship: JP Tully UTC Date (dd|mmm|yyyy): 07 | OCT | 2021

Sample Lists: Core_Samples

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	Comments: Save sheet after printing labels: YES
1		85	Bot-5	✓	127	x	xx				
2		86	100	✓		x	x	x			
3		87	75	✓		x	x				
4		88	50	/		x	x				
5		89	40	/		x	x				
6		90	30	/		x	x				
7		91	20	/		x	x		x		
8		92	10	/		x	x		x		
9		93	5	/		x	x		xx		
10		94	0	/		xx	x		x	xx	FL:
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											

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

Watchkeeper(s): SR

Bottom Depth: 130 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1102	0402
Bottom	1105	
End	1121	

Positional Information

Start	Lat:	48 ° 15.822 N
	Lon:	123 ° 9.997 W
Bottom	Lat:	48 ° 15.827 N
	Lon:	123 ° 9.940 W
End	Lat:	48 ° 15.887 N
	Lon:	123 ° 9.572 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 **Station:** 63 **Event #:** 34 **Ship:** JP Tully **UTC Date (dd|mmm|yyyy):** 07 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: Nut-F	CHL	HPLC	DA	Lugol's	Sample Lists: Core_Samples	Comments: Save sheet after printing labels: YES
1		95	20			x	x					
2		96	10			x	x					
3		97	5			xx	xx					
4		98	0			x	x	xx	x	x		FL:
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): SR

Bottom Depth: 155 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1302	0602
Bottom	1305	
End	1313	

Positional Information

Start	Lat:	48 ° 14.780	N
	Lon:	122 ° 58.840	W
Bottom	Lat:	48 ° 14.790	N
	Lon:	122 ° 58.840	W
End	Lat:	48 ° 14.810	N
	Lon:	122 ° 58.820	W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group — Sampling Log

Program STN List: All_Stns

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

Cruise ID: 2021-022 Station: 62 Event #: 36 ~~35~~ Ship: JP Tully UTC Date (dd|mmm|yyyy): 07 | OCT | 2021

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

Watchkeeper(s): SR

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Confirmed √	Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	Sample Lists: Core_Samples	Comments: Save sheet after printing labels: YES
1	1	99	Bot-5	√	146.4	x	x					
2	2	100	125	√	125.0	x	x	x				
3	3	101	100	√	100.2	x	x					
4	4	102	75	√	75.3	xx	x					
5	5	103	50	√	50.4	xx	x					
6	6	104	40	√	40.1	x	x					
7	7	105	30	√	29.9	x	xx					
8	8	106	20	√	19.9	x	x		xx			
9	9	107	10	√	9.8	x	x		x			
10	10	108	5	√	5.3	x	x		x			
11	11	109	0	√	3.0	x	xx		x	xx		FL:
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

Bottom Depth: 286 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1621	0921
Bottom	1624	0924
End	1643	0943

Positional Information

Start	Lat:	48 °	22.730	N
	Lon:	123 °	2.670	W
Bottom	Lat:	48 °	22.720	N
	Lon:	123 °	2.690	W
End	Lat:	48 °	22.590	N
	Lon:	123 °	2.800	W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Sampling Log

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

Program STN List: All_Stns

Cruise ID: 2021-022 **Station:** 56 **Event #:** 42 **Ship:** JP Tully **UTC Date (dd|mmm|yyyy):** 08 | Oct | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed ↓	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	Lugol's	DA	Sample Lists: Core_Samples						Comments: Save sheet after printing labels: YES
1		110	Bot-5	✓	203	x	x												
2		111	200	✓		x	x	x											
3		112	175	✓		x	x												
4		113	150	✓		x	x												
5		114	125	✓		x	x												
6		115	100	✓		x	x												
7		116	75	✓		x	x												
8		117	50	✓		x	x												
9		118	40	✓		x	x												
10		119	30	✓		xx	x												
11		120	20	✓		x	xx		x										
12		121	10	✓		x	xx		xx										
13		122	5	✓		x	x		x										
14		123	0	✓		xx	x		x	xx	x	x							FL: 22
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): RC

Bottom Depth: 211 m

Transmisso Cleaned: (Y) / N

Time	*UTC*	*Local*
Start	0:36	17:36
Bottom	0:40	
End	0:58	

Positional Information

Start	Lat:	48 ° 46.472 N
	Lon:	123 ° 01.550 W
Bottom	Lat:	48 ° 46.525 N
	Lon:	123 ° 01.476 W
End	Lat:	48 ° 46.654 N
	Lon:	123 ° 0.889 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group — Sampling Log

Program STN List: All_Stns

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

Cruise ID: 2021-022 Station: 46 Event #: 52 Ship: JP Tully UTC Date (dd|mmm|yyyy): 08 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Confirmed √	Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	Sample Lists: Core_Samples	Comments: Save sheet after printing labels: YES
1		124	Bot-5	✓	174	xx	xx					
2		125	150	✓	150	x	x	x				
3		126	125	✓	125	x	x					
4		127	100	✓	100	x	x					
5		128	75	✓	75	xx	x					
6		129	50	✓	50	x	x					
7		130	40	✓	40	x	x					
8		131	30	✓	30	x	xx					
9		132	20	✓	20	x	x		xx			
10		133	10	✓	10	x	x		x			
11		134	5	✓	5	x	x		x			
12		135	0	✓	2.9	x	x		x	xx		FL: <2
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

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

Watchkeeper(s): R

Bottom Depth: 179 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0610	2310
Bottom	0614	2314
End	0634	2334

Positional Information

Start: Lat: 48 ° 51.324 N; Lon: 123 ° 10.677 W

Bottom: Lat: 48 ° 51.320 N; Lon: 123 ° 10.584 W

End: Lat: 48 ° 51.284 N; Lon: 123 ° 10.129 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 Station: 42 Event #: 56 Ship: JP Tully UTC Date (dd|mmm|yyyy): 08 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's	NutF-Seal					Comments: Save sheet after printing labels: YES
						Sample Lists: Core_Samples													
1		136	Bot-5	✓	321	x	x		x					x					
2		137	300	✓		x	x	x						x					
3		138	250	✓		x	x		x					x					
4		139	200	✓		x	x		x					x					
5		140	175	✓		x	x							x					
6		141	150	✓		x	xx		x					xx					
7		142	125	✓		x	x		x					x					
8		143	100	✓		x	x		xx					x					
9		144	75	✓		x	x		x					x					
10		145	50	✓		xx	x		x					x					
11		146	40	✓		x	x		x					x					
12		147	30	✓		x	xx		x					xx					
13		148	20	✓		x	x		xx	x				x					
14		149	10	✓		x	x		x	xx				x					
15		150	5	✓		x	x		x	x				x					
16		151	0	✓			x			x	xx	x	x	x					
17		152	0	✓		xx			x										FL:
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 322 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1002	0302
Bottom	1008	
End	1033	

Positional Information

Start	Lat:	49 ° 01.810 N
	Lon:	123 ° 26.670 W
Bottom	Lat:	49 ° 01.810 N
	Lon:	123 ° 26.700 W
End	Lat:	49 ° 01.820 N
	Lon:	123 ° 26.710 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

COPY - can't find original

Water Properties Group — Sampling Log

Program STN List: All_Stns

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

Cruise ID: 2021-022 Station: 39 Event #: 63 Ship: JP Tully UTC Date (dd|mmm|yyyy): ___ | _____ | _____

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Confirmed √	Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	NutF-Seal	Sample Lists: Core_Samples	Comments: Save sheet after printing labels: YES
1		153	Bot-5			x	x				x		
2		154	300			x	x	x			x		should have had a 350m de
3		155	250			x	x				x		no paper to print rosette she
4		156	200			x	xx				xx		so was skipped by accident
5		157	175			x	x				x		labels went to #169 (17 Nisk
6		158	150			x	x				x		sample #169 is skipped
7		159	125			xx	x				x		
8		160	100			x	x				x		rosette sheet as saved is co
9		161	75			x	x				x		
10		162	50			x	xx				xx		
11		163	40			x	x				x		
12		164	30			x	x				x		
13		165	20			x	x		x		x		ChL and HPLC bottles adjus
14		166	10			x	x		x		x		all depths on labels invalid
15		167	5			xx	x		x		x		
16		168	0			x	x		xx	xx	x		
17													FL:
18													
19													
20													
21													
22													
23													
24													

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s):

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start — Lat: ° N; Lon: ° W

Bottom — Lat: ° N; Lon: ° W

End — Lat: ° N; Lon: ° W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Sampling Log

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

Program STN List: All_Stns

Cruise ID: 2021-022 **Station:** GEO1 **Event #:** 67 **Ship:** JP Tully **UTC Date (dd|mmm|yyyy):** 08 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: Nut-F	CHL	HPLC	Sample Lists: Core_Samples	Comments (Save sheet after printing labels: YES)
1		170	20			x	x			
2		171	10			xx	x			
3		172	5			x	x			
4		173	0			x	xx	xx		FL:
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): SR

Bottom Depth: 402 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1814	1114
Bottom	1820	
End	1833	

Positional Information

Start	Lat:	49 ° 14.690 N
	Lon:	123 ° 44.630 W
Bottom	Lat:	49 ° 14.660 N
	Lon:	123 ° 44.620 W
End	Lat:	49 ° 14.630 N
	Lon:	123 ° 44.530 W

Extra comments:

sample numbers out of order with events

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 **Station:** 27 **Event #:** 70 **Ship:** JP Tully **UTC Date (dd|mmm|yyyy):** 08 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's	Sample Lists: Core_Samples: NutF-Seal					Comments
1		174	Bot-5	√	340.6	xx	x		x					x					
2		175	300	√	300.2	x	x	x	xx					x					
3		176	250	√	250.0	x	x		x					x					
4		177	200	√	200	x	x		x					x					
5		178	175	√	175	x	x							x					
6		179	150	√	150.1	x	xx							xx					
7		180	125	√	125.3	x	x							x					
8		181	100	√	100	x	x							x					
9		182	75	√	75	x	x							x					
10		183	50	√	50.3	x	x							x					
11		184	40	√	40	x	x							x					
12		185	30	√	30.1	x	xx							xx					
13		186	20	√	20	x	x			xx				x					
14		187	10	√	10	x	x			x				x					
15		188	5	√	5	xx	x			x				x					
16		189	0	√	2.9	x	x			x	xx	x	x	x					FL: 22
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): PC

Bottom Depth: 346 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	2032	1332
Bottom	2038	1338
End	2103	1403

Positional Information

Start	Lat:	49 ° 19.090	N
	Lon:	123 ° 47.990	W
Bottom	Lat:	49 ° 19.090	N
	Lon:	123 ° 47.970	W
End	Lat:	49 ° 19.030	N
	Lon:	123 ° 47.820	W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 Station: 24 Event #: 75 Ship: JP Tully UTC Date (dd|mmm|yyyy): 09 | Oct | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: Nut-F	CHL	HPLC											Comments
						Sample Lists: Core_Samples													Save sheet after printing labels: YES
1		190	20	✓	20.1	x	xx												
2		191	10	✓	10.0	x	x												
3		192	5	✓	4.9	x	x												
4		193	0	✓	2.7	x	x	xx											FL:
5																			
6																			
7																			
8																			
9																			
10																			
11																			
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): MB

Bottom Depth: 423 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	01:01	18:01
Bottom	01:09	18:09
End	01:22	18:22

Positional Information

Start	Lat:	49 ° 30.320 N
	Lon:	124 ° 5.929 W
Bottom	Lat:	49 ° 30.318 N
	Lon:	124 ° 5.928 W
End	Lat:	49 ° 30.281 N
	Lon:	124 ° 5.963 W

Extra comments:

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 Station: 2 Event #: ~~77~~ 77 Ship: JP Tully UTC Date (dd|mmm|yyyy): 9 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Confirmed √	Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	Lugol's	DA							Comments
						Sample Lists: Core_Samples													Save sheet after printing labels: YES
1		194	Bot-5	✓	276	x	x												
2		195	250	✓	250	x	xx	x											
3		196	200	✓	200	x	x												
4		197	175	✓	175	x	x												
5		198	150	✓	150	xx	x												
6		199	125	✓	125	xx	x												
7		200	100	✓	100	x	x												
8		201	75	✓	75	x	xx												
9		202	50	✓	50	x	x												
10		203	40	✓	40	x	x												
11		204	30	✓	30	x	x												
12		205	20	✓	20	x	x		x										
13		206	10	✓	10	x	x		xx										
14		207	5	✓	5	x	x		x										
15		208	0	✓	2.9	x	x		x	xx	x	x							FL: 42
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): NR

Bottom Depth: 278 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0240	1940
Bottom	0246	1946
End	0308	2008

Positional Information

Start	Lat:	49 ° 24.110	N
	Lon:	124 ° 09.270	W
Bottom	Lat:	49 ° 24.120	N
	Lon:	124 ° 09.250	W
End	Lat:	49 ° 24.120	N
	Lon:	124 ° 09.220	W

Extra comments:

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group — Sampling Log — Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Program STN List: All_Stns

Cruise ID: 2021-022 **Station:** CPF1 **Event #:** 79 **Ship:** JP Tully **UTC Date (dd|mmm|yyyy):** 9 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: Nut-F	CHL	HPLC	Comments
1		209	20	✓	20	x	x		
2		210	10	✓	10	x	x		
3		211	5	✓	5	x	xx		
4		212	0	✓	2.7	xx	x	xx	FL: <2
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

Sample Lists: Core_Samples

Comments: Save sheet after printing labels: YES

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

Watchkeeper(s): R

Bottom Depth: 245 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0407	2107
Bottom	0411	2111
End	0420	2120

Positional Information

Start — Lat: 49 ° 22.030 N; Lon: 124 ° 04.930 W

Bottom — Lat: 49 ° 22.050 N; Lon: 124 ° 04.920 W

End — Lat: 49 ° 22.080 N; Lon: 124 ° 04.870 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group — Sampling Log — Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Program STN List: All_Stns

Cruise ID: 2021-022 **Station:** 3 **Event #:** 83 **Ship:** JP Tully **UTC Date (dd|mmm|yyyy):** 09 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	NutF-Seal	Sample Lists: Core_Samples	Comments
1		213	Bot-5	✓	321	x	x				x		
2		214	300	✓		x	xx	x			xx		
3		215	250	✓		x	xx				xx		
4		216	200	✓		xx	x				x		
5		217	175	✓		x	x				x		
6		218	150	✓		x	x				x		
7		219	125	✓		x	x				x		
8		220	100	✓		xx	x				x		
9		221	75	✓		x	x				x		
10		222	50	✓		x	x				x		
11		223	40	✓		x	x				x		
12		224	30	✓		x	x				x		
13		225	20	✓		x	x		x		x		
14		226	10	✓		x	x		x		x		
15		227	5	✓		x	x		x		x		
16		228	0	✓		x	x		xx	xx	x		FL:
17													
18													
19													
20													
21													
22													
23													
24													

Save sheet after printing labels: YES

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

Watchkeeper(s): SR

Bottom Depth: 325 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0708	0008
Bottom	0714	
End	0739	

Positional Information

Start	Lat:	49 ° 26.590 N
	Lon:	124 ° 20.220 W
Bottom	Lat:	49 ° 26.560 N
	Lon:	124 ° 20.260 W
End	Lat:	49 ° 26.560 N
	Lon:	124 ° 20.420 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 Station: 6 Event #: 86 Ship: JP Tully UTC Date (dd|mmm|yyyy): 09 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC				Sample Lists: Core_Samples					Comments: Save sheet after printing labels: YES
1		229	Bot-5	✓	186	x	x												
2		230	175			xx	x	x											
3		231	150			x	x												
4		232	125			x	x												
5		233	100			x	xx												
6		234	75			x	x												
7		235	50			x	x												
8		236	40			x	x												
9		237	30			x	xx												
10		238	20			xx	x		x										
11		239	10			x	x		xx										
12		240	5			x	x		x										
13		241	0			x	x		x	xx									FL:
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 190 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0942	0242
Bottom	0945	
End	1005	

Positional Information

Start: Lat: 49 ° 30.540 N; Lon: 124 ° 27.868 W

Bottom: Lat: 49 ° 30.522 N; Lon: 124 ° 27.856 W

End: Lat: 49 ° 30.590 N; Lon: 124 ° 27.860 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 Station: 9 Event #: 89 Ship: JP Tully UTC Date (dd|mmm|yyyy): 09 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	Sample Lists: Core_Samples	Comments: Save sheet after printing labels: YES
1		242	Bot-5	✓	166	x	xx					
2		243	150	✓		x	x	x				
3		244	125	✓		x	x					
4		245	100	✓		x	x					
5		246	75	✓		x	x					
6		247	50	✓		xx	x					
7		248	40	✓		x	x					
8		249	30	✓		xx	x					
9		250	20			x	x		x			
10		251	10			x	x		x			
11		252	5			x	xx		x			
12		253	0			x	x		xx	xx		FL:
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): SR

Bottom Depth: 168 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1254	0554
Bottom	1258	
End	1316	

Positional Information

Start — Lat: 49 ° 35.550 N; Lon: 124 ° 38.290 W

Bottom — Lat: 49 ° 35.550 N; Lon: 124 ° 38.250 W

End — Lat: 49 ° 35.580 N; Lon: 124 ° 38.180 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 Station: 22 Event #: 109 Ship: JP Tully UTC Date (dd|mmm|yyyy): 10 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: Nut-F	CHL	HPLC	DA	Lugol's								Comments
						Sample Lists: Core_Samples												Save sheet after printing labels: YES
1		302	20			x	x											
2		303	10			x	x											
3		304	5			x	xx											
4		305	0			x	x	xx	x	x								FL:
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): SR

Bottom Depth: 365 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1023	0323
Bottom	1029	
End	1041	

Positional Information

Start	Lat:	49 ° 40.387	N
	Lon:	124 ° 16.613	W
Bottom	Lat:	49 ° 40.367	N
	Lon:	124 ° 16.758	W
End	Lat:	49 ° 40.435	N
	Lon:	124 ° 16.969	W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 Station: 16 Event #: 102 Ship: JP Tully UTC Date (dd|mmm|yyyy): 10 | OCT | 2021

Sample Lists: Core_Samples

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	√	Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC									Comments: Save sheet after printing labels: YES
1		287	Bot-5	✓	153	x	x												
2		288	125	✓	125	x	xx	x											
3		289	100	✓	100	x	x												
4		290	75	✓	75	xx	x												
5		291	50	✓	50	x	x												
6		292	40	✓	40	x	x												
7		293	30	✓	30	x	xx												
8		294	20	✓	20	x	x		x										
9		295	10	✓	10	x	x		x										
10		296	5	✓	5	xx	x		x										
11		297	0	✓	3.4	x	x		xx	xx									FL:
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

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

Watchkeeper(s): R

Bottom Depth: 160 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0326	2026
Bottom	0329	2029
End	0344	2044

Positional Information

Start	Lat:	49 ° 57.550	N
	Lon:	125 ° 08.755	W
Bottom	Lat:	49 ° 57.518	N
	Lon:	125 ° 08.772	W
End	Lat:	49 ° 57.450	N
	Lon:	125 ° 08.550	W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 Station: QU39 Event #: 101 Ship: JP Tully UTC Date (dd|mmm|yyyy): 09 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Rosette Operation: Confirmed √	Rosette Operation: Confirmed Pressure	Sampler's Initials / Samples Taken: Nut-F	CHL	HPLC	Comments
1		298	20	✓	20	x	x		sample numbers out of
2		299	10	✓	10	xX	x		this event before station 16
3		300	5	✓	5	x	x		
4		301	0	✓	3.5	x	xx	xx	FL: < 2
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

Sample Lists: Core_Samples

Comments: Save sheet after printing labels: YES

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s):

Bottom Depth: 274 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2242	1542
Bottom	2247	1547
End	2256	1556

Positional Information

Start	Lat:	50 ° 01.852 N
	Lon:	125 ° 05.950 W
Bottom	Lat:	50 ° 01.860 N
	Lon:	125 ° 05.950 W
End	Lat:	50 ° 01.925 N
	Lon:	125 ° 06.044 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 Station: 14 Event #: 98 Ship: JP Tully UTC Date (dd|mmm|yyyy): 09 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Confirmed √	Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	CHL	HPLC	Lugol's	DA	Sample Lists: Core_Samples	Comments: Save sheet after printing labels: YES
1		271	Bot-5	✓	311	x	x							
2		272	300	✓	300	xx	x	x						
3		273	250	✓	250	x	x							
4		274	200	✓	200	x	x							
5		275	175	✓	175	x	x							
6		276	150	✓	150	x	x							
7		277	125	✓	125	xx	x							
8		278	100	✓	100	x	x							
9		279	75	✓	75	x	x							
10		280	50	✓	50	x	xx							
11		281	40	✓	40	x	xx							
12		282	30	✓	30	x	x							
13		283	20	✓	20	x	x		x					
14		284	10	✓	10	x	x		x					
15		285	5	✓	5	x	x		x					
16		286	0	✓	3.9	x	x		xx	xx	x	x		FL: < 2
17														
18														
19														
20														
21														
22														
23														
24														

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): RE

Bottom Depth: 315 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1925	1225
Bottom	1931	1231
End	1952	1252

Positional Information

Start: Lat: 49 ° 52.980 N; Lon: 124 ° 59.490 W

Bottom: Lat: 49 ° 52.990 N; Lon: 124 ° 59.480 W

End: Lat: 49 ° 53.000 N; Lon: 124 ° 59.530 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-022 Station: 12 Event #: 94 Ship: JP Tully UTC Date (dd|mmm|yyyy): 09 | OCT | 2021

Niskin #	Firing #	Sample #	Rosette Operation: Target Pressure	Confirmed √	Confirmed Pressure	Sampler's Initials / Samples Taken: OXY	Nut-F	Sal	DIC	CHL	HPLC	DA	Lugol's	NutF-Seal	Comments
						Sample Lists: Core_Samples									Save sheet after printing labels: YES
1		254	Bot-5	✓	352	x	x		x					x	
2		255	300	✓		x	x	x						x	Salt was missed.
3		256	250	✓		xx	x		xx					x	
4		257	200	✓		xx	x		x					x	
5		258	175	✓		x	x							x	
6		259	150	✓		x	x		x					x	
7		260	125	✓		x	xx		x					xx	
8		261	100	✓		x	x		x					x	
9		262	75	✓		x	x		x					x	
10		263	50	✓		x	x		xx					x	
11		264	40	✓		x	x		x					x	
12		265	30	✓		x	xx		x					xx	
13		266	20	✓		x	x		x	x				x	
14		267	10	✓		x	x		x	x				x	
15		268	5	✓		x	x		x	xx				x	
16		269	0	✓		x			x						
17		270	0	✓			x			x	xx	x	x	x	FL:
18															
19															
20															
21															
22															
23															
24															

255
Sal
12
2021-022
300 m
bot 2

Profile type: ROS TRM X-Niskin other?

Watchkeeper(s): SK

Bottom Depth: 355 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1556	0856
Bottom	1603	
End	1629	

Positional Information

Start	Lat:	49 ° 43.560 N
	Lon:	124 ° 40.940 W
Bottom	Lat:	49 ° 43.560 N
	Lon:	124 ° 40.920 W
End	Lat:	49 ° 43.640 N
	Lon:	124 ° 40.850 W

Extra comments:

Version: 4MAR2021

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

Instructions for Filling Rosette Sheet for Printing - For detailed Instuctions see the document 'Printing Sample Labels Directly from Rosette Sheets – Detailed Installation and User Instructions'

Entries for Cruise ID, Station, an initial Sample #, at least one Sample Type and one Sample Entry (ex. 'x') are mandatory fields before labels will print

Up to six replicates can be printed ('xxxxxx'); to indicate a sample taken without printing a label use the 'X' selection

Ensure that an **Event Number** has been entered before saving and closing printed sheets to retain an electronic record

Print files will be generated with fields from Cruise ID, Station and the shaded cell in Extra Comments (to denote a cast type ex. Deep Cast). Do not include characters in these fields that cannot be saved (ex. \ / : * ? < > |) in a file name

*Note - Different validation lists can be selected for Station and Sample Type to allow for a smaller sub-group of selections. A custom list can also be built in the specified column on the validation list sheet