

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken				Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed ✓	Pressure	Sal	CHL	Nut-F										
1		1	Bot-5			xx												Event 1 - Deep Salinity
2		2	50				x	xx	x									Event 2
3		3	25				x	x										Event 2
4		4	15				xx	x										Event 2
5		5	10				x	x										Event 2
6		6	5				x	x										Event 2
7		7	0			xx	x	x										Event 3 - Bucket
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: CTD BT

ROS TRM X-Niskin other?

Watchkeeper(s): MD

Bottom Depth: 176 m

Transmisso Cleaned: Y / N

Time CTD

	UTC	Local
Start	2348	1648
Bottom	2350	
End	2358	

Positional Information

Start	Lat: 48 ° 38 977 N
	Lon: 123 ° 29 957 W
Bottom	Lat: 48 ° 38 977 N
	Lon: 123 ° 29 957 W
End	Lat: 48 ° 38 981 N
	Lon: 123 ° 29 958 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-153

Station: J16A

Event #: 798

Ship: Vector

UTC Date (dd|mmm|yyyy): 1 SEP 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	CHL	Nut-F	P117									
1		15	50		xx	x	x	✓									EVENT 7 ↓ BUCKET EVENT 8
2		16	25			x	x										
3		17	15			x	x										
4		18	10			x	x										
5		19	5			xx	xx										
6		20	0		x	x	x										
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: CTD/BOT/BUCKET
ROS TRM X-Niskin other?
Watchkeeper(s): MB/TS

Bottom Depth: 62 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1716	1010
Bottom	1715	
End	1722	

Positional Information

Lat:	49 ° 45 051	N
Lon:	123 ° 59 58	W

Start

Lat:	49 ° 45 056	N
Lon:	123 ° 54 57	W

Bottom

Lat:	49 ° 45 056	N
Lon:	123 ° 54 657	W

End

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed ✓	Pressure	Sal	CHL	Nut-F								Save sheet after printing labels: YES	
1		8	Bot-5			xx											Event 4 - Deep Salinity
2		9	50				x	x	✓								Event 5
3		10	25				x	x									Event 5
4		11	15				x	x									Event 5
5		12	10				xx	x									Event 5
6		13	5				x	xx									Event 5
7		14	0			x	x	x									Event 6 - Bucket
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: CTD/BOT/BUCKET

ROS TRM X-Niskin other?

Watchkeeper(s): MB/TJ

Bottom Depth: ~650 m

Transmisso Cleaned: Y N

Time UTC Local

Start 1509 0809

Bottom 1512

End 1539

CD

Positional Information

StartLat: 49 ° 50 664 N

StartLon: 123 ° 53 810 W

BottomLat: 49 ° 50 664 N

BottomLon: 123 ° 53 811 W

EndLat: 49 ° 50 658 N

EndLon: 123 ° 53 892 W

Extra comments:

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-153

Station: J18

Event #: 10,11,12

Ship: Vector

UTC Date (dd|mmm|yyyy): 1 SEP 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments			
			Target Pressure	Confirmed Pressure	Sal	CHL	Nut-F												
1		21	Bot-5			xx													
2		22	50				x	x	X										Event 10 - Deep Salinity
3		23	25				xx	xx											Event 11
4		24	15				x	x											Event 11
5		25	10				x	x											Event 11
6		26	5				x	x											Event 11
7		27	0			x	x	x											Event 11
8																			Event 12 - Bucket
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: CTD/BOT/BUCKET
ROS TRM X-Niskin other?
Watchkeeper(s): MB/TJ

Bottom Depth: 530 m
Transmisso Cleaned: Y N

Time	UTC	Local
Start	1948	1248
Bottom	1958	
End	2008	

Positional Information
Start
Lat: 49 ° 56 488 N
Lon: 123 ° 58 457 W

Bottom
Lat: 49 ° 56 490 N
Lon: 123 ° 58 465 W

End
Lat: 49 ° 56 500 N
Lon: 123 ° 58 478 W

Extra comments:

Water Properties Group

Program STN List: All Stns

Sampling Log

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

1 SEP 2021

Cruise ID:

2021-153

Station:

J18

Event #:

15,16,17

Ship:

Vector

UTC Date (dd|mmm|yyyy):

Niskin # Firing # Sample #

Rosette Operation Target Pressure Confirmed Pressure

Sampler's Initials / Samples Taken

Sample Lists: Core Samples

Comments

Save sheet after printing labels:

YES

Profile type: CTD/BOT/DUCKY
ROS TRM X-Niskin other?
Watchkeeper(s): WBS/TS

Bottom Depth: ~437 m
Transmisso Cleaned: Y/N

Time UTC Local
Start 2146 1346
Bottom 2153
End 2202

Positional Information
Start Lat: 50 ° 00 234 N
Lon: 123 ° 57 678 W

Bottom Lat: 50 ° 00 239 N
Lon: 123 ° 57 719 W

End Lat: 50 ° 00 242 N
Lon: 123 ° 57 749 W

Extra comments:

1		28	Bot-5		xx														Event 15 - Deep Salinity
2		29	50			x	x												Event 16
3		30	25			xx	xx												Event 16
4		31	15			x	x												Event 16
5		32	10			x	x												Event 16
6		33	5			x	x												Event 17 - Bucket
7		34	0			x	x	x											
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Water Properties Group

**Program
STN List:**

All_Stns

Sampling Log

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

Cruise ID:

2021-153

Station:

J110

Event #: 20,21,22

Ship: Vector

UTC Date (dd|mmm|yyyy): 15 SEP 2021

Niskin #		Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core Samples				Comments			
				Target Pressure	Confirmed Pressure	Sal	CHL	Nut-F									
1		35	Bot-5			xx											
2		36	50				x	x									
3		37	25				xx	xx								Event 20 - Deep Salinity	
4		38	15				x	x								Event 21	
5		39	10				x	x								Event 21	
6		40	5				x	x								Event 21	
7		41	0			x	x	x								Event 21	
8																Event 22 - Bucket	
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:	CTD / BOT / BUCKET
ROS TRM X-Niskin other?	
Watchkeeper(s):	MBITS

Bottom Depth: ~270 m
Transmisso Cleaned: F Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	23 22	16 22
Bottom	23 27	
End	23 38	

Positional Information

Lat:	50 ° 01 710	N
Lon:	123 ° 52 733	W

Bottom	Lat:	50 ° 01 726	N
	Lon:	123 ° 52 761	W

End	Lat:	50	°	01	737	N
	Lon:	123	°	52	670	W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-153

Station: JI11

Event #: 25,26,27

Ship: Vector

UTC Date (dd|mmm|yyyy): 2 Sep 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	CHL	Nut-F									
1		42	Bot-5		xx											Event 25 - Deep Salinity
2		43	50			x	x									
3		44	25			xx	xx									
4		45	15			x	x									
5		46	10			x	x									
6		47	5			x	x									
7		48	0		x	x	x									
8																Event 27 - Bucket
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: CTD/BOT/3000
ROS TRM X-Niskin other?
Watchkeeper(s): MB/TS

Bottom Depth: ~530 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0056	
Bottom	0104	
End	0115	

Positional Information

Lat:	50 ° 03 590	N
Lon:	123 ° 48 655	W

Bottom

Lat:	50 ° 03 605	N
Lon:	123 ° 48 669	W

End

Lat:	50 ° 03 609	N
Lon:	123 ° 48 676	W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	CHL	Nut-F									
1		49	Bot-5		xx											Event 29 - Deep Salinity
2		50	50			x	x	x								Event 30
3		51	25			xx	xx									Event 30
4		52	15			x	x									Event 30
5		53	10			x	x									Event 30
6		54	5			x	x									Event 30
7		55	0		x	x	x									Event 31 - Bucket
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: CTD, BOP, BUCKET

ROS TRM X-Niskin other?

Watchkeeper(s): MR/TS

Bottom Depth: 300 m

Transmisso Cleaned: ☒ Y ☐ N

Time

UTC

Local

Start

1411

0711

Bottom

1417

End

1428

Positional Information

Start

Lat: 50 ° 10 897 N

Lon: 123 ° 56 157 W

Bottom

Lat: 50 ° 10 891 N

Lon: 123 ° 56 140 W

End

Lat: 50 ° 10 882 N

Lon: 123 ° 56 118 W

Extra comments:

Water Properties Group

**Program
STN List:**

All_Stns

Sampling Log

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

Cruise ID:

2021-153

Station:

JI13

Event #:

33,34,35

Ship:

Vector

UTC Date (dd mmm yyyy): 23 SEP 2021

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken						Sample Lists: Core_Samples								Comments Save sheet after printing labels: YES
			Target Pressure	Confirmed		Sal	CHL	Nut-F	PHYTO	PHYTO										
				✓	Pressure															
1		56	Bot-5			xx													Event 33 - Deep Salinity	
2		57	50				x	x											Event 34	
3		58	25				xx	xx											Event 34	
4		59	15				x	x											Event 34	
5		60	10				x	x	x	x									Event 34	
6		61	5				x	x											Event 34	
7		62	0			x	x	x											Event 35 - Bucket	
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Version: 4MAR2021 Transmissometer to be cleaned before use

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MB/TS

Bottom Depth: 327 m

Transmisso Cleaned: FL (Y) / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	1520	1020
Bottom	1528	
End	1534	

Positional Information			
Start	Lat:	50 ° 9 075 N	
	Lon:	123 ° 51 739 W	
Bottom	Lat:	50 ° 9 063 N	
	Lon:	123 ° 51 723 W	
End	Lat:	50 ° 9 071 N	
	Lon:	123 ° 51 721 W	

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ☐	Pressure	Sal	CHL	Nut-F	PHYTO									
1		63	10			x	x	x	x									
2		64	5			x	x	x										
3		65	1			xx	xx	xx										
4		66	0			x	x	x										
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: NISKIN ON A CUBE

ROS TRM X-Niskin other?

Watchkeeper(s): TS

Bottom Depth: m

Transmisso Cleaned: NA Y / N

Time	UTC	Local
Start	1740	
Bottom		
End		

Positional Information

Start

Lat: 50 ° 11 705 N

Lon: 123 ° 46 462 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Samples from small boat ride

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	CHL	Nut-F									
1		67	0		x	x	x									
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: NISKIN ON A CTD

ROS TRM X-Niskin other?

Watchkeeper(s): TS

Bottom Depth: 0 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	~ 1750	
Bottom		
End		

Positional Information

Start

Lat: ° N

Lon: @ THE FALLS ° W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

Samples from small boat ride

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-153 Station: PL-2 Event #: 40 Ship: Vector UTC Date (dd|mmm|yyyy): 25 SEP 2021

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed	Pressure	Sal	CHL	Nut-F	PHYTO										Save sheet after printing labels:	
			✓																	YES
1		68	10			x	x	x	x											
2		69	5			xx	xx	xx												
3		70	1			x	x	x												
4		71	0			x	x	x												
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Profile type: NISKIN ON A LINE
ROS TRM X-Niskin other?
Watchkeeper(s): TS

Bottom Depth: 123 m
Transmisso Cleaned: NA Y / N

Time	UTC	Local
Start	<u>1808</u>	<u>1108</u>
Bottom		
End		

Positional Information
Start
Lat: 50 ° 10 870 N
Lon: 123 ° 48 437 W

Bottom
Lat: ° N
Lon: ° W

End
Lat: ° N
Lon: ° W

Extra comments:

Samples from small boat ride

Water Properties Group

**Program
STN List:**

All_Stns

Sampling Log

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

Cruise ID:

2021-153

Station:

PL-3

Event #: _____

41

Ship:

Vector

UTC Date (ddmmm/yyyy): 23/03/2014

[illegible]

Profile type:	NISKIN ON A WIRE
ROS TRM X-Niskin other?	
Watchkeeper(s):	TS

Bottom Depth:	155	m
Transmisso Cleaned:	W	Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start	1820	1120
Bottom		
End		

Positional Information			
Start	Lat:	50° 10' 41.8"	N
	Lon:	123° 50' 20.1"	W

Bottom	Lat:	°	N
	Lon:	°	W

End	Lat:	o	N
	Lon:	o	W

Extra comments:

Samples from small boat ride

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed √	Pressure	Sal	CHL	Nut-F	PHYTO	PHYTO										Save sheet after printing labels: YES
1		76	Bot-5			xx													Event 42 - Deep Salinity	
2		77	50				x	x											Event 43	
3		78	25				xx	xx											Event 43	
4		79	15				x	x											Event 43	
5		80	10				x	x	x	x									Event 43	
6		81	5				x	x											Event 43	
7		82	0			x	x	x											Event 44- Bucket	
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

Profile type: CTD/BOT/BUCKET

ROS TRM X-Niskin other?

Watchkeeper(s): MB/JS

Bottom Depth: 28 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 2102

Bottom 2105

End 2111

Positional Information

Start Lat: 50 ° 6 465 N

Start Lon: 123 ° 47 729 W

Bottom Lat: 50 ° 6 460 N

Bottom Lon: 123 ° 47 720 W

End Lat: 50 ° 6 458 N

End Lon: 123 ° 47 707 W

Extra comments:

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID: 2021-153

Station: 46 SA

Event #: 46,47,48

Ship: Vector

UTC Date (dd|mmm|yyyy): 3 SEP 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	CHL	Nut-F	PHYTO	PHYTO									
1		83	Bot-5		xx													Event 46 - Deep Salinity
2		84	50			x	x											
3		85	25			x	x											Event 47
4		86	15			x	x											Event 47
5		87	10			xx	xx	x										Event 47
6		88	5			x	x											Event 47
7		89	0			x	x	x										Event 47
8																		Event 48- Bucket
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: CTD, Bot, Bx/CGT
ROS TRM X-Niskin other?
Watchkeeper(s): MB/TS

Bottom Depth: 550 m
Transmisso Cleaned: FL (Y) / N

Time	UTC	Local
Start	00 44	
Bottom	00 53	
End	01 06	

Positional Information

Lat:	49 ° 52 267	N
Lon:	124 ° 3 090	W

Bottom

Lat:	49 ° 52 257	N
Lon:	124 ° 3 069	W

End

Lat:	49 ° 52 271	N
Lon:	124 ° 3 125	W

Extra comments:

Water Properties Group

Program
STN List: All_Sins

Sampling Log

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

Cruise ID: 2021-153

Station: J16

Event #: 50,51,52

Ship: Vector

UTC Date (dd|mmm|yyyy): 3 SEP 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core Samples								Comments	
			Target Pressure	Confirmed ✓ Pressure	Sal	CHL	Nut-F	PHYTO										
1		90	Bot-5			xx												
2		91	50				xx	xx										Event 50 - Deep Salinity
3		92	25				x	x										Event 51
4		93	15				x	x										Event 51
5		94	10				x	x	x									Event 51
6		95	5				x	x										Event 51
7		96	0			x	x	x										Event 51
8																		Event 52- Bucket
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: CTD, Bot, Bucket
ROS TRM X-Niskin other?
Watchkeeper(s):

Bottom Depth: 355 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1458	
Bottom	1506	
End	MISSO	

Positional Information
Start
Lat: 49 ° 47 369 N
Lon: 123 ° 57 259 W

Bottom
Lat: 49 ° 47 367 N
Lon: 123 ° 57 256 W

End
Lat: MISSO ° N
Lon: ° W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists: Core_Samples							Comments
			Target Pressure	Confirmed														
			Pressure	√	Pressure	Sal	CHL	Nut-F										
1		97	Bot-5			xx												Event 54 - Deep Salinity
2		98	50				x	x										Event 55
3		99	25				x	x										Event 55
4		100	15				x	x										Event 55
5		101	10				x	x										Event 55
6		102	5				x	x										Event 55
7		103	0			x	xx	xx										Event 56- Bucket
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: CTD, Bot, Bucket

ROS TRM X-Niskin other?

Watchkeeper(s): MR/TS

Bottom Depth: ~245 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1632	
Bottom	1636	
End	1642	

Positional Information

Start

Lat: 49 ° 45 548 N

Lon: 124 ° 3 48 W

Bottom

Lat: 49 ° 42 529 N

Lon: 124 ° 3 463 W

End

Lat: 49 ° 42 529 N

Lon: 124 ° 3 517 W

Extra comments:

Water Properties Group

Program
STN List:

All_Stns

Sampling Log

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

Cruise ID:

2021-153

Station:

J15

Event #:

58,59,60

Ship:

Vector

UTC Date (dd|mmm|yyyy): 3 Sep 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	Sal	CHL	Nut-F	PHYTO									
1		104	Bot-5		xx												Event 58 - Deep Salinity
2		105	50			x	x										Event 59
3		106	25			x	x										Event 59
4		107	15			x	x										Event 59
5		108	10			xx	xx	x									Event 59
6		109	5			x	x										Event 59
7		110	0		x	x	x										Event 60- Bucket
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: CTD, Bot, Bucket
 ROS TRM X-Niskin other?
 Watchkeeper(s):

Bottom Depth: ~ 630-650m
 Transmisso Cleaned: FL. Y / N

	UTC	Local
Start	1755	
Bottom	1807	
End	1822	

Positional Information

Lat:	49 ° 47 828 N
Lon:	124 ° 2 078 W

Positional Information

Lat:	49 ° 47 820 N
Lon:	124 ° 2 075 W

Positional Information

Lat:	49 ° 47 811 N
Lon:	124 ° 2 081 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	Sal	CHL	Nut-F	PHYTO										
1		111	Bot-5		xx													Event 62 - Deep Salinity
2		112	50			x	x											Event 63
3		113	25			xx	xx											Event 63
4		114	15			x	x											Event 63
5		115	10			x	x	x										Event 63
6		116	5			x	x											Event 63
7		117	0		x	x	x											Event 64- Bucket
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type: CTD, BOT, BUCKET

ROS TRM X-Niskin other?

Watchkeeper(s): MBITS

Bottom Depth: m

Transmisso Cleaned: (Y) / N

Time UTC Local

Start 2004 1304

Bottom 2012

End 2013

Positional Information

Start Lat: 49 ° 47 206 N

Start Lon: 124 ° 5 721 W

Bottom Lat: 49 ° 47 207 N

Bottom Lon: 124 ° 5 721 W

End Lat: 49 ° 47 178 N

End Lon: 124 ° 5 739 W

Extra comments:

DEPTH FLUCTUATED ALOT

Water Properties Group

Program STN List: All_Stns

Sampling Log

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

Cruise ID:

2021-153

Station:

J13

Event #:

66,67,68

Ship:

Vector

UTC Date (dd|mmm|yyyy): 3 Sep 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed Pressure	Sal	CHL	Nut-F	PHYTO									
1		118	Bot-5		xx												Event 66 - Deep Salinity
2		119	50			x	x										Event 67
3		120	25			x	x										Event 67
4		121	15			xx	xx										Event 67
5		122	10			x	x	x									Event 67
6		123	5			x	x										Event 67
7		124	0		x	x	x										Event 68- Bucket
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: CTD/BOT/BUCKET

ROS TRM X-Niskin other?

Watchkeeper(s): MB/TS

Bottom Depth: 310 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2131	
Bottom	2136	
End	2143	

Positional Information

Lat: 49 ° 45 915 N

Lon: 124 ° 9 963 W

Lat: 49 ° 45 915 N

Lon: 124 ° 9 965 W

Lat: 49 ° 45 927 N

Lon: 124 ° 9 985 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ☒	Pressure	Sal	CHL	Nut-F	PHYTO									
1		125	Bot-5			xx												Event 70 - Deep Salinity
2		126	50				x	x										Event 71
3		127	25				x	x										Event 71
4		128	15				x	x										Event 71
5		129	10				x	x	x									Event 71
6		130	5				xx	xx										Event 71
7		131	0			x	x	x										Event 72- Bucket
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MB/TS

Bottom Depth: 327 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	2237	1532
Bottom	2238	
End	2246	

Positional Information

Start

Lat: 49 ° 45 811 N
Lon: 124 ° 14 412 W

Bottom

Lat: 49 ° 45 811 N
Lon: 124 ° 14 436 W

End

Lat: 49 ° 45 837 N
Lon: 124 ° 14 553 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken				Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed															Save sheet after printing labels: YES
				✓	Pressure	Sal	CHL	Nut-F	PHYTO										
1		132	Bot-5			xx													Event 74 - Deep Salinity
2		133	50				x	x											Event 75
3		134	25				x	x											Event 75
4		135	15				x	x											Event 75
5		136	10				x	x	x										Event 75
6		137	5				x	x											Event 75
7		138	0			x	xx	xx											Event 76- Bucket
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MB/TS

Bottom Depth: 239 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2338	
Bottom	2342	
End	2352	

Positional Information

Start

Lat: 49 ° 43 420 N
Lon: 124 ° 15 548 W

Bottom

Lat: 49 ° 43 402 N
Lon: 124 ° 15 568 W

End

Lat: 49 ° 43 391 N
Lon: 124 ° 15 581 W

Extra comments:

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments			
			Target Pressure	Confirmed ✓ Pressure	CHL	Nut-F	PHYTO	RESIDUE					Save sheet after printing labels: YES			
1		139	50		x	x							Event 79			
2		140	25		xx	xx							Event 79			
3		141	15		x	x							Event 79			
4		142	10		x	x	x						Event 79			
5		143	5		x	x							Event 79			
6		144	0		x	x							Event 80 - Bucket			
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: BOTTLES + bucket

ROS TRM X-Niskin other?

Watchkeeper(s): MB/TS

Bottom Depth: 325 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1517	0817
Bottom		
End		

Positional Information

Start

Lat: 49° 45' 793 N

Lon: 124° 14' 451 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

J12-Time1

0800 LOCAL

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2021-153

Station:

J12

Event #:

84, 85

Ship:

Vector

UTC Date (dd|mmm|yyyy):

4 SEP 2021

Niskin # Firing # Sample #

Rosette Operation
Target Pressure Confirmed Pressure

Sampler's Initials / Samples Taken

Sample Lists: Core Samples

Comments

Save sheet after printing labels:

YES

Profile type: Bucket & Bucket

ROS TRM X-Niskin other?

Watchkeeper(s): MSLT

Bottom Depth: 323 m

Transmissio Cleaned: Y / N

Time UTC Local

Start 1718

Bottom

End

Positional Information

Lat: 49 ° 45 794 N

Lon: 121 ° 14 415 W

Lat: ° N

Lon: ° W

Lat: ° N

Lon: ° W

Extra comments:

J12-Time3

1000 LOCAL

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed Pressure	Sal	CHL	Nut-F	PHYTO									
1		151	2.5M ^CTD		xx												Event 87 - Deep Salinity
2		152	50			x	x										Event 88
3		153	25			xx	xx										Event 88
4		154	15			x	x										Event 88
5		155	10			xx	xx	x									Event 88
6		156	5			x	x										Event 89 - Bucket
7		157	0		x	x	x										
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: CTD/Bottle/Bucket

ROS TRM X-Niskin other?

Watchkeeper(s): M/T

Bottom Depth: 320 m

Transmisso Cleaned: Y/N

Time	UTC	Local
Start	1900	1200
Bottom	1906	
End	1913	

CTD

Positional Information

Lat: 49 ° 45 807 N

Lon: 124 ° 14 431 W

Bottom

Lat: 49 ° 45 799 N

Lon: 124 ° 14 430 W

End

Lat: 49 ° 45 806 N

Lon: 124 ° 14 432 W

Extra comments:

J12-Time5

1200 local

Water Properties Group

Program
STN List: All_Stns
Station: J12

Sampling Log

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

Cruise ID: 2021-153

Event #: 92 93

Ship: Vector

UTC Date (dd|mmm|yyyy): 4 SEP 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core_Samples				Comments
			Target Pressure	Confirmed ☒ Pressure	CHL	Nut-F	CHL	Nut-F	CHL	Nut-F	CHL	Nut-F	
1		158	50		x	x							Event 92 Event 93 Event 93 Event 93 Event 93 - Bucket 93
2		159	25		x	x							
3		160	15		x	x							
4		161	10		x	x							
5		162	5		xx	xx							
6		163	0		x	x							
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Profile type: Bottom / Bucket
ROS TRM X-Niskin other?
Watchkeeper(s): MB/TS

Bottom Depth: 323 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	7118	1418
Bottom		
End		

Positional Information
Start
Lat: 49° 45' 796 N
Lon: 124° 14' 423 W

Bottom
Lat: ° N
Lon: ° W

End
Lat: ° N
Lon: ° W

Extra comments:
J12-Time7
1400 local

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ✓ Pressure	CHL	Nut-F	PHYTO									
1		164	50		xx	xx										Event 96
2		165	25		x	x										Event 96
3		166	15		x	x										Event 94
4		167	10		x	x										Event 94
5		168	5		x	x										Event 94
6		169	0		x	x										Event 95 - Bucket
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type:
ROS TRM X-Niskin other?

Watchkeeper(s): MB/TS

Bottom Depth: 323 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 2317 1617

Bottom

End

Positional Information

Start Lat: 49 ° 45 802 N
Lon: 124 ° 14 428 W

Bottom Lat: ° N
Lon: ° W

End Lat: ° N
Lon: ° W

Extra comments:

J12-Time9

1600 local

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core Samples								Comments	
			Target Pressure	Confirmed ✓	Pressure	CHL	Nut-F	PHYTO									Save sheet after printing labels: YES
1		170	50			x	x										Event 99 100
2		171	25			xx	xx										Event 99
3		172	15			x	x										Event 99
4		173	10			x	x	x									Event 99
5		174	5			x	x										Event 99
6		175	0			x	x										Event 100 - Bucket
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): MBLTS

Bottom Depth: 327 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0118	1818
Bottom		
End		

Positional Information

Start

Lat: 49 ° 45 795 N

Lon: 124 ° 14 427 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

JI2-Time11

1800 local

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken			Sample Lists: Core_Samples								Comments
			Target Pressure	Confirmed ☒ Pressure	CHL	Nut-F	PHYTO									
1		176	50		x	x										Event 103
2		177	25		xx	xx										Event 103
3		178	15		x	x										Event 103
4		179	10		x	x	x									Event 103
5		180	5		x	x										Event 103
6		181	0		x	x										Event 104 - Bucket
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Profile type: Bot & Buckets

ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 168 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	1512	0812
Bottom		
End		

Positional Information

Lat: 49 ° 46 533 N

Lon: 123 ° 57 387 W

Start

Lat: ° N

Lon: ° W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

J12-Time1

0800 local

Water Properties Group

Program
STN List: All_Stns

Sampling Log

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

Cruise ID: 2021-153 Station: J16C Event #: 107, 108 Ship: Vector UTC Date (dd|mmm|yyyy): 5 Sep 2021

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken					Sample Lists: Core_Samples								Comments	
			Target Pressure	Confirmed														Save sheet after printing labels: YES		
				✓	Pressure	CHL	Nut-F													
1		182	50			x	x											Event 107		
2		183	25			xx	xx											Event 107		
3		184	15			x	x											Event 107		
4		185	10			x	x											Event 107		
5		186	5			x	x											Event 107		
6		187	0			x	x											Event 108 - Bucket		
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

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

Bottom Depth: 178 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1712	1012
Bottom		
End		

Positional Information
Start
Lat: 49 ° 46 625 N
Lon: 123 ° 57 333 W

Bottom
Lat: ° N
Lon: ° W

End
Lat: ° N
Lon: ° W

Extra comments:
J12-Time3
1000 local

Water Properties Group

Program
STN List:

All Stns

Sampling Log

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

Cruise ID:

2021-153

Station:

JI6C

Event #:

110, 111, 112

Ship:

Vector

UTC Date (dd|mmm|yyyy):

5 SEP 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken				Sample Lists: Core Samples								Comments
			Target Pressure	Confirmed ☒ Pressure	Sal	CHL	Nut-F	PHYTO									
1		188	2.5M ^CTD		xx												Event 110 - Deep Sal
2		189	50			x	x										
3		190	25			xx	xx										Event 111
4		191	15			x	x										Event 111
5		192	10			xx	xx	x									Event 111
6		193	5			x	x										Event 111
7		194	0		x	x	x										Event 111
8																	Event 112 - Bucket
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: CTD/BOT/BULGET
ROS TRM X-Niskin other?
Watchkeeper(s): MB

Bottom Depth: 155 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1901	1201
Bottom	1905	
End	1911	

Positional Information

Lat:	49 ° 46 528	N
Lon:	123 ° 57 352	W

Bottom

Lat:	49 ° 46 551	N
Lon:	123 ° 57 337	W

End

Lat:	49 ° 46 630	N
Lon:	123 ° 57 320	W

Extra comments:

JI2-Time5

1200 local

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists: Core_Samples										Comments
			Target Pressure	Confirmed Pressure	CHL	Nut-F											
1		195	50		x	x											Event 115
2		196	25		x	x											Event 115
3		197	15		x	x											Event 115
4		198	10		x	x											Event 115
5		199	5		xx	xx											Event 116 - Bucket
6		200	0		x	x											
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Profile type: BOT / BUCKET

ROS TRM X-Niskin other?

Watchkeeper(s): MB

Bottom Depth: 168 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	21 12	14 12
Bottom		
End		

Positional Information

Lat: 49 ° 46 547 N

Lon: 123 ° 57 282 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

J12-Time7

1400 local

Water Properties Group

Program
STN List: All Stns

Sampling Log

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

Cruise ID:

2021-153

Station:

J16C

Event #:

119, 120

Ship:

Vector

UTC Date (dd|mmm|yyyy):

5 SEP 2021

Niskin #	Firing #	Sample #	Rosette Operation		Sampler's Initials / Samples Taken		Sample Lists: Core Samples										Comments
			Target Pressure	Confirmed Pressure	CHL	Nut-F											
1		201	50		xx	xx											Event 119
2		202	25		x	x											Event 119
3		203	15		x	x											Event 119
4		204	10		x	x											Event 119
5		205	5		x	x											Event 120 - Bucket
6		206	0		x	x											
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

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

Bottom Depth: 157 m
Transmisso Cleaned: Y / N

Time	UTC	Local
Start	2309	1609
Bottom		
End		

Positional Information
Start
Lat: 49° 46' 51" N
Lon: 123° 57' 34" W

Bottom
Lat: ° N
Lon: ° W

End
Lat: ° N
Lon: ° W

Extra comments:
J12-Time9
1600 local

Niskin #	Firing #	Sample #	Rosette Operation			Sampler's Initials / Samples Taken			Sample Lists: Core_Samples										Comments
			Target Pressure	Confirmed															
			✓	Pressure		CHL	Nut-F	PHYTO											
1		207	50			x	x												Event 123
2		208	25			xx	xx												Event 123
3		209	15			x	x												Event 123
4		210	10			x	x	x											Event 123
5		211	5			x	x												Event 123
6		212	0			x	x												Event 124 - Bucket
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Profile type: BOT & BUCKET

ROS TRM X-Niskin other?

Watchkeeper(s): MD

Bottom Depth: 159 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0111	1811
Bottom		
End		

Positional Information

Start

Lat: 49 ° 46 514 N

Lon: 123 ° 57 326 W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Extra comments:

J12-Time11

1800 local