

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: VPS1 Event #: 1 Ship: TULLY UTC Date (dd|mmm|yyyy): 14 | MAY | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	1	3190	5.080	70	☒											8.1
2	2	3024	5.239	50	☒											8.0
3	3	3047	5.258	30	☒											7.7
4	4	2085	5.138	20	☒											7.6
5	5	3067	5.850	10	☒											7.9
6	6	2047	8.429	8m 05	☒											9.5
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR

Bottom Depth: 75 m

Transmissio Cleaned: Y / N

Time	UTC	Local
Start	0147	1847
Bottom	0150	1850
End	0202	1902

Positional Information

Start
 Lat: 48 ° 39.04 N
 Lon: 123 ° 28.49 W

Bottom
 Lat: 48 ° 39.04 N
 Lon: 123 ° 28.49 W

End
 Lat: 48 ° 39.04 N
 Lon: 123 ° 28.49 W

☒ **Oxygen Info For This Cast**

Blank Value: 0.0047 mL • L⁻¹
 Std Value: 0.0217 mL • L⁻¹
 *Date Run: 16 | 05 | 2011
 Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44Station: L0Event #: 2Ship: TallyUTC Date (dd|mmm|yyyy): 15 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	7	1298	4.468	6-5	145	X										8.2
2	8	2014	5.118	125	125	X										8.0
3	9	1408	5.427	100	100	X										7.9
4	10	1302 1392	4.845 4.157	75	75	XX										7.9 7.9
5	11	3206	4.800	50	50	X										7.8
6	12	3090	5.247	30	30	X										7.6
7	13	1180	5.529	20	20	X										7.8
8	14	1397	5.652	10	10	X										8.0
9	15	3151	5.863	0	0	X										8.2
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Steve / CindyBottom Depth: 156 mTransmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	0033	
Bottom	0040	
End	0050	

Positional Information
Start
Lat: 50 ° 29.026 N
Lon: 125 ° 35.072 WBottom
Lat: 50 ° 29.002 N
Lon: 125 ° 35.064 WEnd
Lat: 50 ° 28.945 N
Lon: 125 ° 35.060 WOxygen Info For This Cast
Blank Value: 0.0047 mL * L⁻¹
Std Value: 0.7271 mL * L⁻¹
*Date Run: 16 | 06 | 2011
Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

BLUE

Cruise ID: 2011-44 Station: Ch. Conn Event #: 3 Ship: Tully UTC Date (dd|mmm|yyyy): 15 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	16	1318	5.848	6-5	✓ 235	1										8.9
2	17	2020	5.851	250	✓ 235	2										8.0 1745-8.0
3	18	1300	5.891	200	✓ 200	1										8.0 65.837
4	19	1395	5.701	175	✓ 175											8.0
5	20	1321	5.846	150	✓ 150											8.0
6	21	1406	5.846	125	✓ 125											7.9
7	22	1407	5.844	100	✓ 100											7.9
8	23	1416	5.892	75	✓ 75											8.0
9	24	1123	5.869	50	✓ 50											8.0
10	25	1330	5.707	30	✓ 30											8.0
11	26	1411	5.803	20	✓ 20											8.0
12	27	68	5.832	10	✓ 10											8.1
13	28	1144	6.328	0	✓ 2											8.5
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Steve / Cindy

Bottom Depth: 248 m

Transmisso Cleaned: ☒ / N

	Time	UTC	Local
Start		0140	
Bottom		0147	
End		0201	

Positional Information

Start
Lat: 50 ° 25.114 N
Lon: 125 ° 41.010 W

Bottom
Lat: 50 ° 25.140 N
Lon: 125 ° 41.026 W

End
Lat: 50 ° 25.164 N
Lon: 125 ° 40.991 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹

Std Value: 0.0217 mL · L⁻¹

*Date Run: 16.06.2011

Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44

Station: PA1

Event #: 4

Ship: Tully

UTC Date (dd|mmm|yyyy): 16 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄				
1	2A	3191	5.612	6-5	40	✓							8.3	
2	30	3166	5.634	30	30	✓✓							8.3	
3	31	471	5.785	20	20	✓							8.3	
4	32	2064	6.104	10	10	✓							8.3	
5	33	3040	7.965	0	0	✓							8.5	
6	30	1478	5.673										8.3	
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SR/CS

Bottom Depth: 47 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	0721	0021
Bottom	0722	
End	0728	

Positional Information

Start

Lat: 50 ° 31.81 N

Lon: 125 ° 22.07 W

Bottom

Lat: 50 ° 31.80 N

Lon: 125 ° 22.00 W

End

Lat: 50 ° 31.80 N

Lon: 125 ° 22.00 W

Oxygen Info For This Cast

Blank Value: 0.0017 mL • L⁻¹

Std Value: 0.0217 mL • L⁻¹

*Date Run: 16 | 06 | 2011

Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2010-44 Station: PA2 Event #: 5 Ship: Tully UTC Date (dd|mmm|yyyy): 16 May 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken							Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄			
1	34	1497	5.668	21m	100							8.2	
2	35	1401	5.653	75								8.2	
3	36	3098	5.569	50								8.3	
4	37	3038	5.581	30								8.3	
5	38	3174	5.626	20								8.3	
6	39	3052	5.787	10								8.3	
7	40	3057	6.355	5								8.4	
8	D37	2032	5.514									8.3	
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													

Watchkeeper(s): SR

Bottom Depth: 104 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Start	0756	0056
Bottom	0758	
End	0808	

Positional Information

Start Lat: 50 ° 29.04 N
Lon: 125 ° 22.04 W

Bottom Lat: 50 ° 29.04 N
Lon: 125 ° 22.04 W

End Lat: 50 ° 29.07 N
Lon: 125 ° 22.00 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹
Std Value: 0.7217 mL · L⁻¹
*Date Run: 16 May 2011
Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: FEARMI Event #: 6 Ship: TULLY UTC Date (dd|mmm|yyyy): 16 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	41	3109	5.466	81m		X							8.5			
2	42	1492	5.424	125		X							8.5			
3	43	3171	5.401	100		X							8.5			Spigot leaking
4	44	3184	5.391	75		X							8.5			
5	45	1317	5.266	50		X							8.5			
6	46	3209	5.316	30		XX							8.5			
7	47	3009	5.329	20		X							8.5			
8	48	3204	5.339	10		X							8.5			
9	49	3160	5.361	80		X							8.6			
10	46	2035	5.315										8.5			
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR/CS

Bottom Depth: 167 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0859	0159
Bottom	0912	
End	0923	

Positional Information

Start Lat: 50 ° 29.14 N
Lon: 125 ° 15.56 W

Bottom Lat: 50 ° 29.13 N
Lon: 125 ° 15.55 W

End Lat: 50 ° 29.09 N
Lon: 123 ° 15.55 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL * L⁻¹
Std Value: 0.7217 mL * L⁻¹
*Date Run: 16 | 06 | 2011
Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44

Station: FEARM2

Event #: 7

Ship: Tully

UTC Date (dd|mmm|yyyy): 16 | MAY | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	50	1421	5.750	Bot-10	300	X							8.2			
2	51	708	5.718	250		XX							8.2			
3	52	3181	5.716	200									8.2			
4	53	1322	5.738	175									8.2			
5	54	MT		150												{ Bottle didn't trip Lanyard was side loaded
6	55	1481	5.694	125									8.3			
7	56	2084	5.527	100									8.4			
8	57	1400	5.488	75									8.4			
9	58	3007	5.432	50									8.4			
10	59	2033	5.365	30									8.4			
11	60	1311	5.352	20									8.5			
12	61	3055	5.335	10									8.5			
13	62	2065	5.353	Surf									8.5			
14	51	1488	5.738										8.3			
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR CS

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

	UTC	Local
Start	0953	0253
Bottom	0959	
End	1020	

Positional Information

Start

Lat: 50 ° 27.14 N

Lon: 125 ° 17.16 W

Bottom

Lat: 50 ° 27.14 N

Lon: 125 ° 17.16 W

End

Lat: 50 ° 27.12 N

Lon: 125 ° 17.15 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹

Std Value: 0.7217 mL · L⁻¹

*Date Run: 16 | 06 | 2011

Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44

Station: No Chan

Event #: 8

Ship: Tully

UTC Date (dd|mmm|yyyy): 16 | MAY | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	63	2069	5.804	B-10	☒ 200	X								8.3		
2	64	690	5.813	175										8.3		
3	65	1490	5.765	150										8.3		
4	66	1489	5.778	125										8.3		↗ corrected
5	67	1464	5.769	100										8.3		* Put 199 instead of 100
6	68	1387	5.772	75										8.3		for depth
7	69	1365	5.703	50		XX								8.4		
8	70	3207	5.571	30										8.4		
9	71	2091	5.543	20										8.4		
10	72	1337	5.665	10		↓								8.5		
11	73	3108	5.899	surf		X								8.5		
12																
13	69	638	5.687											8.3		
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR CS

Bottom Depth: 209 m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start		1110	0410
Bottom		1114	
End		1133	

Positional Information

Start Lat: 50 ° 22.25 N
Lon: 125 ° 21.12 W

Bottom Lat: 50 ° 22.25 N
Lon: 125 ° 21.13 W

End Lat: 50 ° 22 N
Lon: 125 ° 21 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL · L⁻¹
Std Value: 0.7217 mL · L⁻¹
*Date Run: 16 | 06 | 2011
Analyst: CA

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44

Station: JSDP

Event #: 9

Ship: Tully

UTC Date (dd|mmm|yyyy): 16 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	74	468	5.612	B-10	320	X							8.1			*problem w/ colorimeter
2	75	631	5.846	250									8.1			
3	76	1475	5.835	200									8.1			
4	77	1248	5.834	175									8.1			
5	78	3028	5.823	150									8.1			
6	79	1373	5.826	125									8.2			
7	80	1404	5.810	100									8.2			
8	81	3126	5.812	75		↓							8.2			
9	82	1319	5.811	50		XX							8.3			
10	83	647	5.826	30		↓							8.3			
11	84	3157	5.778	20									8.3			
12	85	621	5.809	10									8.3			
13	86	1261	5.817	surf		↓							8.3			
14																
15	82	1378	5.807										8.3			
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR + CS

Bottom Depth: 333 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	<u>1213</u>	<u>0544</u>
Bottom	<u>1221</u>	
End	<u>1242</u>	

Positional Information

Start Lat: 50 ° 20.24 N

Lon: 125 ° 27.48 W

Bottom Lat: 50 ° 20.23 N

Lon: 125 ° 27.68 W

End Lat: 50 ° 20.21 N

Lon: 125 ° 27.67 W

Oxygen Info For This Cast

Blank Value: 0.0047 mL • L⁻¹

Std Value: 0.747 mL • L⁻¹

*Date Run: 16 | 06 | 2011

Analyst: OS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: CBP2

Station: 2011-44

Event #: 11

Ship: Tully

UTC Date (dd|mmm|yyyy): 19 May 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed √ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	87	1421	2.909	5-5	✓ 95	1										7.1
2	88	703	3.474	75	✓ 75	1										7.3
3	89	1483	4.888	50	✓ 50	1										2.6
4	90	3181 1322	5.988 5.983	30	✓ 30	2										8.1 / 8.1
5	91	3137	5.916	20	✓ 20	1										8.2
6	92	1431	6.720	10	✓ 10	1										8.7
7	93	2084	6.556	0	✓ 2	1										9.2
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Steve / Candy

Bottom Depth: 93 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0033	
Bottom	0040	
End	0043	

Positional Information

Start

Lat: 50 ° 3.955 N

Lon: 127 ° 54.172 W

Bottom

Lat: 50 ° 3.971 N

Lon: 127 ° 54.211 W

End

Lat: 50 ° 3.940 N

Lon: 127 ° 54.219 W

Oxygen Info For This Cast

Blank Value: 0.0023 mL · L⁻¹

Std Value: 0.7207 mL · L⁻¹

*Date Run: 19 May 2011

Analyst: 0

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: _____ Station: LBP 4 Event #: 13 Ship: Tully UTC Date (dd|mmm|yyyy): 19 | May | 2011

* RAN AS EVENT 12 → WILL NEED TO BE ORANGE
CHANGED → CHANGED! CS

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	94	1400	0.379	5-5	✓ 1140											3.8
2	95	3007	0.323	1000	✓ 1000			X								4.0
3	96	2033	0.361	750	✓ 750											4.7
4	97	1311	0.783	500	✓ 500											5.5
5	98	3055	1.278	300	✓ 300	2										6.0 6.0
6	99	20104	1.592	250	✓ 250											6.4
7	100	690	2.188	200	✓ 200											6.5
8	101	1490	2.626	175	✓ 175											6.7
9	102	1489	2.999	150	✓ 150											6.9
10	103	1464	3.185	125	✓ 125											7.1
11	104	1387	3.378	100	✓ 100											7.3
12	105	1365	4.501	75	✓ 75											7.6
13	106	636	5.903	50	✓ 50	2										7.2 7.7
14	107	2091	6.032	30	✓ 30											8.5
15	108	3190	6.189	20	✓ 20											8.7
16	109	3024	6.905	10	✓ 10											9.5
17	110	3047	6.915	0	✓ 0											9.7
18																
19	98	2065	1.269													
20	106	3207	5.993													
21																
22																
23																
24																

Watchkeeper(s): Steve / Cindy

Bottom Depth: _____ m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start		0159	
Bottom		0229	
End		0305	

Positional Information

Start

Lat: 50 ° 1.360 N

Lon: 127 ° 58.058 W

Bottom

Lat: 50 ° 1.082 N

Lon: 127 ° 58.933 W

End

Lat: 50 ° 0.583 N

Lon: 127 ° 59.952 W

Oxygen Info For This Cast

Blank Value: 0.0033 mL · L⁻¹

Std Value: 0.0206 mL · L⁻¹

*Date Run: 19 | 05 | 2011

Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: LBP6 Event #: 15 Ship: T11 UTC Date (dd|mmm|yyyy): 19 May 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	111	2085	0.365	6-5	✓ 750	1										4.7
2	112	3067	0.675	500	✓ 500	2		X								5.5 15.5
3	113	1485	1.144	300	✓ 300	1										6.2
4	114	3198	2.204	250	✓ 250											6.3
5	115	3096	2.283	200	✓ 200											6.6
6	116	3188	2.330	175	✓ 175											6.7
7	117	2015	2.825	150	✓ 150											7.0
8	118	3119	3.183	125	✓ 125											7.2
9	119	3201	3.707	100	✓ 100											7.5
10	120	629	4.784	75	✓ 75											7.6
11	121	2090	6.121	50	✓ 50											7.7
12	122	3121	6.394	30	✓ 30											8.1 x Limacina in flask
13	123	2025	6.563	20	✓ 20	2										8.3 8.3
14	124	3104	6.774	10	✓ 10	1										9.2
15	125	3142	6.824	0	✓ 2											9.6
16																
17	112	2047	0.568													
18	123	3100	6.540													
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Sheri Cindy

Bottom Depth: 812 m

Transmissio Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0504	
Bottom	0521	
End	0547	

Positional Information

Start

Lat: 49 ° 56.214 N

Lon: 128 ° 5.447 W

Bottom

Lat: 49 ° 56.230 N

Lon: 128 ° 5.536 W

End

Lat: 49 ° 56.172 N

Lon: 128 ° 5.728 W

Oxygen Info For This Cast

Blank Value: 0.0033 mL · L⁻¹

Std Value: 0.7203 mL · L⁻¹

*Date Run: 19 May 2011

Analyst: CS

*Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

BROWN

Cruise ID: 2011-44 Station: LBPB Event #: 17 Ship: Tully UTC Date (dd|mmm|yyyy): 19 | MAY | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄				
1	126	3191	1.572	6-5	✓ 2082								2.3	
2	127	3166	1.449	2000	✓			X					2.4	
3	128	1478	0.983	1750	✓								2.7	
4	129	471	6.722	1500	✓								3.0	
5	130	2064	0.308	1250	✓								3.7	
6	131	3040	0.244	1000	✓								4.2	
7	132	1497	0.295	750	✓								4.7	
8	133	1401	0.636	500	✓	2							5.4	
9	134	3038	1.011	400	✓								5.8	
10	135	2032	1.732	300	✓								6.1	
11	136	3174	2.529	250	✓								6.3	
12	137	3052	3.417	200	✓								6.7	
13	138	3057	3.608	175	✓	2							6.9	
14	139	3109	4.016	150	✓								7.1	
15	140	1492	4.236	125	✓								7.2	
16	141	3171	4.619	100	✓								7.4	
17	142	3184	6.049	85	✓								7.4	
18	143	3209	6.848	50	✓								7.6	
19	144	2035	6.769	30									8.5	
20	145	3009	6.987	20									9.0	
21	146	3204	6.860	10									9.5	
22	147	3160	6.852	0									9.4	
23	133	3098	0.649										5.5	
24	138	1317	3.622										6.4	

Watchkeeper(s): SR

Bottom Depth: 2067 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0850	0150
Bottom	0940	
End	1036	

Positional Information

Start

Lat: 49 ° 48.59 N

Lon: 128 ° 16.79 W

Bottom

Lat: 49 ° 48.61 N

Lon: 128 ° 16.76 W

End

Lat: 49 ° 48.57 N

Lon: 128 ° 16.84 W

Oxygen Info For This Cast

Blank Value: 0.003 mL · L⁻¹

Std Value: 0.001 mL · L⁻¹

*Date Run: 19 | 05 | 2011

Analyst: JS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: L601 Event #: 18 Ship: T16 UTC Date (dd|mmm|yyyy): 19 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	143	3190	5.243	5-5	☒ 48	1										8.4
2	144	3024	5.255	30	☒ 30	1										8.5
3	150	2047	5.600	20	☒ 20	2										8.7
4	151	2085	7.112	10	☒ 10	2										9.4 5.4
5	152	2047	7.900	0	☒ 2	1										10.6
6																
7	151	3067	7.125													
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Version: 28 Feb 2008

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

<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

Watchkeeper(s): Steve/Andy

Bottom Depth: 53 m

Transmisso Cleaned: ☒ Y / N

	Time	UTC	Local
Start		2330	
Bottom		2342	
End		2347	

Positional Information

Start

Lat: 49 ° 20.467 N

Lon: 126 ° 35.003 W

Bottom

Lat: 49 ° 20.528 N

Lon: 126 ° 35.004 W

End

Lat: 49 ° 20.537 N

Lon: 126 ° 35.024 W

Oxygen Info For This Cast

Blank Value: 0.0033 mL · L⁻¹

Std Value: 0.1207 mL · L⁻¹

*Date Run: 19 | 05 | 2011

Analyst: UE

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: 1603 Event #: 20 Ship: Tali UTC Date (dd|mmm|yyyy): 20 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	153	1485	3.192	6-5	☒ 119	1										7.3
2	154	3198	5.037	75	☒ 76	2			BROWN							7.9 17.9
3	155	3188	6.224	50	☒ 50	1										8.5
4	156	2015	6.072	30	☒ 30											8.5
5	157	3119	6.501	20	☒ 20											9.0
6	158	3201	6.968	10	☒ 10											9.9
7	159	635	6.979	0	☒ 2											11.0
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Steve Candy

Bottom Depth: 125 m

Transmisso Cleaned: ☒ Y ☐ N

	Time	UTC	Local
Start		0122	
Bottom		0123	
End		0136	

Positional Information			
Start	Lat:	49 ° 15.004	N
	Lon:	126 ° 43.616	W
▼			
Bottom	Lat:	49 ° 15.010	N
	Lon:	126 ° 43.643	W
▼			
End	Lat:	49 ° 14.973	N
	Lon:	126 ° 43.714	W

Oxygen Info For This Cast	
Blank Value:	0.0053 mL · L ⁻¹
Std Value:	0.7207 mL · L ⁻¹
*Date Run:	19 05 2011
Analyst:	CS

* Oxygen blanks and standards should be run daily, if possible

* BROKE FLASK 30916

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44

Station: L605

Event #: 22

Ship: Tully

UTC Date (dd|mmm|yyyy): 20 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ✓ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	160	2090	1.516	6-5	✓ 266	1										6.5
2	161	3121	1.763	200	✓ 200											6.5
3	162	2025	1.972	175	✓ 175	2										6.6 6.7
4	163	3104	2.281	150	✓ 150											6.8
5	164	3142	3.103	125	✓ 125											7.2
6	165	2049	3.415	100	✓ 100											7.4
7	166	1313	4.463	75	✓ 75											7.7
8	167	3116	6.210	50	✓ 50											7.9
9	168	2066	6.663	30	✓ 30											8.6
10	169	1421	6.893	20	✓ 20	2										8.8 8.8
11	170	1488	6.894	10	✓ 10	1										9.7
12	171	3181	6.750	0	✓ 2											10.9
13																
14	162	3100	1.937													
15	169	708	6.925													
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Spence/Chen

Bottom Depth: 271 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0303	
Bottom	0316	
End	0331	

Positional Information

Start

Lat: 49 ° 7.410 N

Lon: 126 ° 55.224 W

Bottom

Lat: 49 ° 7.403 N

Lon: 126 ° 55.283 W

End

Lat: 49 ° 7.376 N

Lon: 126 ° 55.271 W

Oxygen Info For This Cast

Blank Value: 0.0053 mL · L⁻¹

Std Value: 0.7207 mL · L⁻¹

*Date Run: 16 | 15 | 2011

Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: EFF1 Event #: 25 Ship: Tully UTC Date (dd|mmm|yyyy): 21 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	174	3191	2.139	6-5	✓ 32	1										8.7
2	175	3166	2.232	20	✓ 20	2										8.6
3	176	471	3.211	10	✓ 10	1										8.7
4	177	2064	8.389	0	✓ 2	1										8.6
5																
6																
7	175	1490	2.232													8.7
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Steve / Cindy

Bottom Depth: 38 m

Transmisso Cleaned: Y / N

	UTC	Local
Start	0421	
Bottom	0424	
End	0428	

Positional Information

Start
Lat: 49 ° 5.553 N
Lon: 125 ° 11.642 W

Bottom
Lat: 49 ° 5.532 N
Lon: 125 ° 11.644 W

End
Lat: 49 ° 5.524 N
Lon: 125 ° 11.626 W

Oxygen Info For This Cast

Blank Value: 0.0033 mL · L⁻¹

Std Value: 0.7207 mL · L⁻¹

*Date Run: 19.05.2011

Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: EFF 2 Event #: 26 Ship: Tully UTC Date (dd|mmm|yyyy): 21 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	173	3040	2.162	6-5	☒ 66	1										8.6
2	175	1497	2.852	50	☒ 50	1										8.5
3	180	1401	3.318	30	☒ 30	2										8.6
4	181	3033	3.304	20	☒ 20	1										8.6
5	182	2032	3.220	10	☒ 10	1										8.6
6	183	3174	2.891	0	☒ 2	1										11.2
7																
8																
9																
10	180	3093	3.371													8.6
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Steve Cundy

Bottom Depth: 71 m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start		0451	
Bottom		0456	
End		0502	

Positional Information

Start

Lat: 49 ° 50.16 N

Lon: 125 ° 10.348 W

Bottom

Lat: 49 ° 51.003 N

Lon: 125 ° 10.324 W

End

Lat: 49 ° 4.996 N

Lon: 125 ° 10.312 W

Oxygen Info For This Cast

Blank Value: 0.0035 mL · L⁻¹

Std Value: 0.7207 mL · L⁻¹

*Date Run: 19 | 05 | 2011

Analyst: DS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: EFP3 Event #: 27 Ship: Tilly UTC Date (dd|mmm|yyyy): 21 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed √ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	184	3052	0.015	6-5	✓ 115	1										8.1
2	185	3057	0.251	75	✓ 75	1										8.4
3	186	1317	3.432	50	✓ 50	1										8.6
4	187	3109	3.698	30	✓ 30	2										8.5
5	188	3171	3.748	20	✓ 20	1										8.6
6	189	3184	3.843	10	✓ 10	1										8.6
7	190	3209	7.736	0	✓ 1	1										12.8
8																
9																
10																
11	187	1452	3.700													8.5
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Stevie Crilly

Bottom Depth: 121 m

Transmissio Cleaned: Y / N

Time	UTC	Local
Start	0521	
Bottom	0527	
End	0525	

Positional Information

Start

Lat: 49 ° 4.282 N

Lon: 125 ° 9.418 W

Bottom

Lat: 49 ° 4.250 N

Lon: 125 ° 9.352 W

End

Lat: 49 ° 4.228 N

Lon: 125 ° 9.359 W

Oxygen Info For This Cast

Blank Value: 0.0031 mL · L⁻¹

Std Value: 0.7207 mL · L⁻¹

*Date Run: 19 | 05 | 2011

Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: EPP4 Event #: 28 Ship: Tully UTC Date (dd|mmm|yyyy): 21 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	191	2035	3873	6-5	/ 53		*	Pur	1N	Wider Bottom DPH						8.5
2	192	3005	4051	30	/ 30											8.5
3	193	3204	3896	20	/ 20											8.6
4	194	3160	4708	10	/ 10	2										8.7
5	155	703	7618	0	/ 1	1										12.87
6																
7																
8																
9	194	144	4731													12.8 8.6
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): Steve / Andy

Bottom Depth: 60 m

Transmisso Cleaned: 2 / N

	Time	UTC	Local
Start		0559	
Bottom		0603	
End		0608	

Positional Information

Start

Lat: 49 ° 3.119 N

Lon: 125 ° 0.562 W

Bottom

Lat: 49 ° 3.100 N

Lon: 125 ° 0.545 W

End

Lat: 49 ° 3.089 N

Lon: 125 ° 0.530 W

Oxygen Info For This Cast

Blank Value: 0.0083 mL · L⁻¹

Std Value: 0.7207 mL · L⁻¹

*Date Run: 19 | 05 | 2011

Analyst: CL

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: EPFS Event #: 29 Ship: Tully UTC Date (dd|mmm|yyyy): 21 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed √ Pressure	Oxy	Nut	Sal	Chl a	NH ₄				
1	196	1408	0.084	6-5	✓ 195	1								8.2
2	197	3181	0.168	175	✓ 175	1								8.1
3	198	1322	0.268	150	✓ 150	1								8.2
4	199	3137	0.437	125	✓ 125	1								8.3
5	200	1481	2.377	100	✓ 100	1								8.4
6	201	2084	3.653	75	✓ 75	1								8.3
7	202	1900	3.962	50	✓ 50	1								8.3
8	203	3007	4.043	30	✓ 29	2								8.5
9	204	1311	3.982	20	✓ 20	1								8.5
10	205	3055	4.263	10	✓ 10	1								8.7
11	206	2065	7.646	0	✓ 1	1								12.1
12														
13														
14														
15	207	2033	4.052											8.5
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): Steve / Cindy

Bottom Depth: 199 m

Transmisso Cleaned: Y / N

	UTC	Local
Time		
Start	0629	2329
Bottom	0636	2336
End	0649	2349

Positional Information

Start

Lat: 49 ° 2.539 N

Lon: 125 ° 9.134 W

Bottom

Lat: 49 ° 2.537 N

Lon: 125 ° 9.136 W

End

Lat: 49 ° 2.527 N

Lon: 125 ° 9.169 W

Oxygen Info For This Cast

Blank Value: 0.002 mL · L⁻¹

Std Value: 0.7207 mL · L⁻¹

*Date Run: 19/05 | 2011

Analyst: AD

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44

Station: EPP6

Event #: 30

Ship: Tully

UTC Date (dd|mmm|yyyy): 21 | MAY | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	207	2069	0.243	5-5	140	2						8.2				
2	208	1490	0.280	125	1							8.3				
3	209	1485	3.899	100	1							8.4				
4	210	1464	3.922	75								8.3				
5	211	1387	4.052	50								8.4				
6	212	1365	4.083	30								8.5				
7	213	638	4.065	20								8.5				
8	214	3207	4.583	10								8.5				
9	45	2091	7.914	0								13.3				
10																
11																
12	207	690	0.245									8.2				
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SRCS

Bottom Depth: 151 m

Transmisso Cleaned: Y / N

	UTC	Local
Start	0708	0008
Bottom	0712	
End	0722	

Positional Information

Start

Lat: 49 ° 1.78 N

Lon: 125 ° 9.20 W

Bottom

Lat: 49 ° 1.78 N

Lon: 125 ° 9.18 W

End

Lat: 49 ° 1.76 N

Lon: 125 ° 9.16 W

Oxygen Info For This Cast

Blank Value: 0.0053 mL · L⁻¹

Std Value: 0.7207 mL · L⁻¹

*Date Run: 19.10.2011

Analyst: CA

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44

Station: EEF7

Event #: 31

Ship: Tully

UTC Date (dd|mmm|yyyy): 21 | MAY | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄				
1	216	3190	3.681	6-5	113	1							8.3	
2	217	3024	3.655	100		2							8.3	
3	218	2085	4.019	75									8.3	
4	219	3067	4.111	50									8.4	
5	220	2047	4.251	30									8.5	
6	221	1485	4.237	20									8.5	
7	222	3198	4.769	10									8.5	
8	223	3188	7.505	0									13.1	
9														
10														
11														
12														
13	217	3047	3.665										8.3	
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SRCS

Bottom Depth: 120 m

Transmisso Cleaned: (Y) I N

Time	UTC	Local
Start	0742	0042
Bottom	0745	
End		

Positional Information

Start

Lat: 49 ° 1.24 N

Lon: 125 ° 9.38 W

Bottom

Lat: 49 ° 1.23 N

Lon: 125 ° 9.39 W

End

Lat: 49 ° 1. N

Lon: 125 ° 9. W

Oxygen Info For This Cast

Blank Value: 0.0033 mL · L⁻¹

Std Value: 0.7202 mL · L⁻¹

*Date Run: 19 | 05 | 2011

Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-41 Station: EPPB Event #: 32 Ship: TULLY UTC Date (dd|mmm|yyyy): 21 | MAY | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄				
1	224	2015	4.322	6-5	☒ 02	1							8.5	DA blank/wrong info
2	225	3119	4.147	50	☒	1							8.3	
3	226	3201	4.300	30	☒	3							8.5	
4	227	2090	4.465	20	☒	1							8.5	
5	228	3121	5.206	10		1							8.6	
6	229	2025	7.985	0		1							12.6	
7														
8														
9														
10														
11	226	639	4.311										8.5	
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SK CS

Bottom Depth: 89 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time Start	<u>0817</u>	<u>0117</u>
Bottom	<u>0819</u>	<u>0119</u>
End	<u>0825</u>	<u>0125</u>

Positional Information

Start Lat: 49 ° 00.66 N
Lon: 125 ° 10.19 W

Start

Bottom Lat: 49 ° 0.65 N
Lon: 125 ° 10.20 W

Bottom

End Lat: 49 ° 12.65 N
Lon: 125 ° 10.24 W

End

Oxygen Info For This Cast

Blank Value: 0.0033 mL · L⁻¹
Std Value: 0.7207 mL · L⁻¹
*Date Run: 19 | 05 | 2011
Analyst: CE

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: EFF9 Event #: 33 Ship: Tully UTC Date (dd|mmm|yyyy): 21 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	230	3100	4.071	6-5	61	1							8.4			
2	231	3104	4.404	30		1							8.5			
3	232			20												Bottle 3 didn't drip
4	233	2049	4.894	10		2							8.5			
5	234	3146	7.653	0		1							12.5			
6																
7																
8																
9	233	1393	4.897										8.5			
10																
11																
12																
13																
14																
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Watchkeeper(s): SRCS

Bottom Depth: 66 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0841	0141
Bottom	0843	
End	0847	

Positional Information

Start

Lat: 49 ° 0.10 N

Lon: 125 ° 10.83 W

Bottom

Lat: 49 ° 0.10 N

Lon: 125 ° 10.83 W

End

Lat: 49 ° 0.10 N

Lon: 125 ° 10.84 W

Oxygen Info For This Cast

Blank Value: 0.0033 mL · L⁻¹

Std Value: 0.7207 mL · L⁻¹

*Date Run: 17 | 05 | 2011

Analyst: U

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44

Station: EFF10

Event #: 34

Ship: Tulley

UTC Date (dd|mmm|yyyy): 21 | MAY | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	225	1337	3.325	6-5	91							8.1				
2	226	3108	3.369	75								8.1				
3	237	468	3.921	50								8.2				
4	238	631	4.315	30								8.4				
5	239	1475	4.441	20								8.4				
6	240	1248	5.400	10								8.5				
7	241	3028	7.500	0								13.0				
8																
9																
10																
11	241	1373	7.474									13.1				
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR CS

Bottom Depth: 96 m

Transmisso Cleaned: ☒ Y ☐ N

	UTC	Local
Time Start	0905	
Bottom	0908	
End	0915	

Positional Information

Start Lat: 48 ° 59.84 N
Lon: 125 ° 11.23 W

Bottom Lat: 48 ° 59.84 N
Lon: 125 ° 11.23 W

End Lat: 48 ° 59.85 N
Lon: 125 ° 11.23 W

Oxygen Info For This Cast

Blank Value: 0.0033 mL · L⁻¹
Std Value: 0.7207 mL · L⁻¹
*Date Run: 19 | 05 | 2011
Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44

Station: EFF11

Event #: 35

Ship: Tully

UTC Date (dd|mmm|yyyy): 21 | May | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	242	1404	3.622	5-5	80	2						8.1				All vents were
2	243	1319	4.148	50		1						8.3				loose during
3	244	1378	4.412	30								8.4				cast.
4	245	647	4.491	20								8.5				
5	246	3157	5.225	10								8.5				
6	247	621	7.65	0								12.3				
7																
8																
9	242	3126	3.604									8.1				
10																
11																
12																
13																
14																
15																
16																
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18																
19																
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24																

Watchkeeper(s): SR CS

Bottom Depth: 90 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0930	0230
Bottom	0934	
End	0940	

Positional Information

Start

Lat: 48 ° 59.12 N

Lon: 125 ° 11.10 W

Bottom

Lat: 48 ° 59.13 N

Lon: 125 ° 11.11 W

End

Lat: 48 ° 59. N

Lon: 125 ° 11. W

Oxygen Info For This Cast

Blank Value: 0.0033 mL · L⁻¹

Std Value: 0.1207 mL · L⁻¹

*Date Run: 19 | 05 | 2011

Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: EFFN Event #: 36 Ship: TULLY UTC Date (dd|mmm|yyyy): 21|May|2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	248	1261	2591	6-5	✓ 86	1							8.0			
2	249	1146	3801	75	✓	2							8.1			
3	250	371	4338	50	✓	1							8.3			
4	251	196	4648	30	✓	1							8.4			
5	252	569	4644	20	✓	1							8.4			
6	253	3182	5430	10	✓	1							8.4			
7	254	1374	7685	0		1							12.3			
8																
9																
10																
11	249	528	3763										8.1			
12																
13																
14																
15																
16																
17																
18																
19																
20																
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22																
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24																

Watchkeeper(s): SR CS

Bottom Depth: 96 m

Transmisso Cleaned: (Y) 1 N

Time	UTC	Local
Start	1003	0303
Bottom	1006	0306
End	1015	0315

Positional Information

Start Lat: 48 ° 57.97 N
Lon: 125 ° 10.51 W

Bottom Lat: 48 ° 57.98 N
Lon: 125 ° 10.53 W

End Lat: 48 ° 57.99 N
Lon: 125 ° 10.55 W

Oxygen Info For This Cast

Blank Value: 0.003 mL • L⁻¹
Std Value: 0.1701 mL • L⁻¹
*Date Run: 19.1.05.12011
Analyst: CS

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

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

Cruise ID: 2011-44 Station: EFF13 Event #: 37 Ship: Tully UTC Date (dd|mmm|yyyy): 21 | MAY | 2011

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL • L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄						
1	255	1298	3.601	6-5	✓ 96	1										
2	256	2014	3.731	75	✓	1										
3	257	1408	4.373	50	✓	2										
4	258	1392	7.301	30	✓	1										
5	259	3206	4.758	20	✓	1										
6	260	3090	5.467	10	✓	1										
7	261	1180	7.342	0	✓	1										
8																
9																
10																
11	257	1307	4.316													
12																
13																
14																
15																
16																
17																
18																
19																
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21																
22																
23																
24																

Watchkeeper(s): SR CS

Bottom Depth: 106 m

Transmisso Cleaned: Y N

Time	UTC	Local
Start	1034	
Bottom	1037	
End	1045	

Positional Information

Start

Lat: 48 ° 56.47 N

Lon: 125 ° 10.73 W

Bottom

Lat: 48 ° 56.48 N

Lon: 125 ° 10.72 W

End

Lat: 48 ° 56.48 N

Lon: 125 ° 10.72 W

Oxygen Info For This Cast

Blank Value: 0.0037 mL • L⁻¹

Std Value: 0.7207 mL • L⁻¹

*Date Run: 19.10.2011

Analyst: 0

* Oxygen blanks and standards should be run daily, if possible