

Water Properties Group

Rosette Log

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

Cruise ID: 2008-50 Station: KN 2 Event #: 01 Ship: TULLY UTC Date (dd|mmm|yyyy): 12 | 09 | 08

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	01	638	3.046	810	☒ 175	☒										
2	02	647	2.957	150	☒ 150											
3	03	1330	3.162	125	☒ 122											L Air Bubble on rise
4	04	712	3.008	100	☒ 100											
5	05	700	3.127	75	☒ 75											
6	06	1174	3.286	50	☒ 50											
7	07			30	☒ 30											Ignore this one
8	08	1333	3.507	30	☒ 30											
9	09	1367	3.656	20	☒ 19											
10	10	1487	3.705	10	☒ 10											
11	11	715	4.389	5	☒ 5	☒										
12																
13																
14				125												
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): HM

Bottom Depth: 186/183 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	2329	
Bottom	2332	
End	2343	

Positional Information

Start
 Lat: 50 ° 39.298 N
 Lon: 126 ° 11.008 W

Bottom
 Lat: 50 ° 39.296 N
 Lon: 126 ° 11.011 W

End
 Lat: 50 ° 39.298 N
 Lon: 126 ° 11.012 W

Oxygen Info For This Cast

Blank Value: _____ mL * L⁻¹

Std Value: _____ mL * L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: Trc1 Event #: 2 Ship: Tully UTC Date (dd|mmm|yyyy): 12 | 9 | 8

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	12	1374	2.784	B-10	☒ 300											
2	13	1301	2.769	250	☒ 250											
3	14	1302	2.725	200	☒ 200											
4	15	1306	2.705	175	☒ 175											
5	16	1321	2.698	150	☒ 148											
6	17	1368	2.753	125	☒ 125											
7	18			100	☒ 100											Ignore
8	19	611	2.838	100	☒ 100											
9	20	621	3.169	75	☒ 75	2										
10	21	1327	3.389	50	☒ 49											
11	22	639	3.457	30	☒ 30											
12	23	657	3.661	20	☒ 20											
13	24	1456	3.933	10	☒ 10											
14	25	1354	5.656	5	☒ 5											
15																
16																
17	20	622	3.130	75												
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SL

Bottom Depth: 308 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0056	
Bottom	0103	
End		

Positional Information

Start
Lat: 50 ° 43.576 N
Lon: 126 ° 10.856 W

Bottom
Lat: 50 ° 43.583 N
Lon: 126 ° 10.930 W

End
Lat: 50 ° 43.585 N
Lon: 126 ° 11.010 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

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

WHITE BOX / RED BOX

Water Properties Group

Rosette Log

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

Cruise ID: 2008-50 Station: Trc2 Event #: 4 Ship: Tully UTC Date (dd|mmm|yyyy): 13 | 9 | 8

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	26	1341	2.861	6-10	✓ 190	1										
2	27	1344	2.842	175	✓	2										
3	28	1351	2.866	150	✓											
4	29	1212	2.859	125	✓											
5	30	1356	2.926	100	✓											
6	31	1358	2.982	75	✓											
7	32			50	✓											Ignore
8	33	1448	3.296	50	✓											
9	34	1362	3.532	30	✓											
10	35	1363	3.549	20	✓											
11	36	1364	3.699	10	✓											
12	37	1366	6.462	5	✓											
13																
14																
15																
16	27	1347	2.835	175												
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): 50 AET

Bottom Depth: 199 m

Transmisso Cleaned: (Y) N

Time	UTC	Local
Start	0256	
Bottom	0300	
End		

Positional Information

Start
 Lat: 50 ° 49 18 N
 Lon: 126 ° 12.76 W

Bottom
 Lat: 50 ° 49 N
 Lon: 126 ° 12 W

End
 Lat: 50 ° 49 N
 Lon: 126 ° 12 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹
 Std Value: _____ mL • L⁻¹
 *Date Run: ____ | ____ | ____
 Analyst: _____

* 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: 2008-50 Station: Knl Event #: 5 Ship: Tully UTC Date (dd|mmm|yyyy): 13 | 9 | 2008

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	38	638	2.944	6-10	✓ 245											entered wrong label time on sample 38
2	39	647	2.926	200	✓											
3	40	1338	2.940	175	✓											
4	41	712	2.966	150	✓											
5	42	700	2.971	125	✓											
6	43	1174	3.035	100	✓											
7	44			75	✓											ignore
8	45	1333	3.108	75	✓	2										
9	46	1487	3.342	50	✓	1										
10	47	715	3.548	30	✓											
11	48	1374	3.812	20	✓											
12	49	1301	4.530	10	✓											
13	50	1302	4.754	5	✓											
14																
15	45	1367	3.113	75												
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): T & H

Bottom Depth: 255 m
Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0545	
Bottom	0549	
End	0604	

Positional Information
Start
Lat: 50 ° 38.13 N
Lon: 126 ° 25.22 W

Bottom
Lat: 50 ° 38 12 N
Lon: 126 ° 25 24 W

End
Lat: 50 ° 38 08 N
Lon: 126 ° 25 32 W

Oxygen Info For This Cast
Blank Value: _____ mL • L⁻¹
Std Value: _____ mL • L⁻¹
*Date Run: ____ | ____ | ____
Analyst: _____

* 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: 2008 50 Station: KM 0 Event #: 007 Ship: TULLY UTC Date (dd|mmm|yyyy): 13 | 09 | 08

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	51	1354	3.202	B-10	✓ 55	✓										
2	52	1456	3.571	30	✓ 30	✓										
3	53	1340	3.715	20	✓ 20	✓										
4	54	1344	3.972	10	✓ 10	✓										
5	55	1347	4.046	5	✓ 5	✓										
6																
✓ 53	53	1341	3.733	20												
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR

Bottom Depth: 63 m

Transmissio Cleaned: (Y) / N

	UTC	Local
Start	0716	
Bottom	0718	
End	0723	

Positional Information

Start

Lat: 50 ° 38.282 N

Lon: 126 ° 35.05 W

Bottom

Lat: 50 ° 38.279 N

Lon: 126 ° 35.020 W

End

Lat: 50 ° 38.267 N

Lon: 126 ° 35.033 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: QCS1 Event #: 8 Ship: Tully UTC Date (dd|mmm|yyyy): 13 | 9 | 8

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	56	1351	2.630	6-10	✓ 150	1										
2	57	1212	2.611	125	✓ 125	2										
3	58	1358	2.722	100	✓ 100											
4	59	1360	2.787	75	✓ 75											
5	60	1448	3.123	50	✓ 50											
6	61	1362	3.464	30	✓ 30											
7	62	—	—	20	✓ 20											Ignore
8	63	1364	4.014	20	✓ 20											
9	64	1366	4.815	10	✓ 10											
10	65	1110	4.831	5	✓ 5											
11																
12																
13																
14	57	1356	2.626		125											
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SA, SA

Bottom Depth: 160 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0828	
Bottom	0832	
End	0842	

Positional Information

Start Lat: 50 ° 40.004 N
Lon: 126 ° 46.349 W

Bottom Lat: 50 ° 40.016 N
Lon: 126 ° 46.334 W

End Lat: 50 ° 40.020 N
Lon: 126 ° 46.298 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹

Std Value: _____ mL • L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: FS1 Event #: 9 Ship: TJ4 UTC Date (dd|mmm|yyyy): 13 | 9 | 8

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	66	638	2.716	5-10	/ 322									
2	67	647	2.698	300	/ 301									
3	68	1338	2.713	250	/ 251									
4	69	712	2.783	200	/ 200									
5	70	700	2.809	175	/ 175									
6	71	1174	2.851	150	/ 150									
7	72			125	/ 125									Ignore
8	73	1367	2.891	125	/ 125									
9	74	1487	2.960	100	/ 100	2								
10	75	715	3.256	75	/ 75									
11	76	1374	3.888	50	/ 50									
12	77	1301	4.170	30	/ 30									
13	78	1302	4.221	20	/ 20									
14	79	1306	4.418	10	/ 10									
15	80	1321	4.754	5	/ 5									
16														
17														
18	74	1333	2.953	100										
19														
20														
21														
22														
23														
24														

Watchkeeper(s): SM/ST

Bottom Depth: 332 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	1002	
Bottom	1008	
End	1026	

Positional Information

Start
 Lat: 50 ° 47.024 N
 Lon: 126 ° 36.653 W

Bottom
 Lat: 50 ° 47.060 N
 Lon: 126 ° 36.671 W

End
 Lat: 50 ° 47.017 N
 Lon: 126 ° 36.685 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹

Std Value: _____ mL • L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: PPI Event #: 11 Ship: Tully UTC Date (dd|mmm|yyyy): 13 | 9 | 8

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	81	1347	2.847	6-10	☒ 157											
2	82	1344	2.872	125	☒											
3	83	1341	2.926	100	☒											
4	84	1456	3.137	75	☒	2										
5	85	1354	3.580	50	☒											
6	86	1351	3.728	30	☒											
7	87			20	☒											Ignore
8	88	1356	3.785	20	☒											
9	89	1358	3.983	10	☒											
10	90	1360	5.121	5	☒											
11																
12																
13	84	1340	3.154	75												
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): T & H

Bottom Depth: 160 m

Transmisso Cleaned: ☒ N

	UTC	Local
Time Start	1137	
Bottom	1140	
End	1149	

Positional Information
Start Lat: 50 ° 48.84 N
Lon: 126 ° 31.46 W

Bottom Lat: 56 ° 48.83 N
Lon: 126 ° 31.44 W

End Lat: 50 ° 48.81 N
Lon: 126 ° 31.37 W

Oxygen Info For This Cast
Blank Value: _____ mL • L⁻¹
Std Value: _____ mL • L⁻¹
*Date Run: ____ | ____ | ____
Analyst: _____

* 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: 2009-50 Station: T&C 3 Event #: 012 Ship: TOLLY UTC Date (dd|mmm|yyyy): 13 | 09 | 08

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	91	632	2.773	B-10	☒											
2	92	76	2.771	200	☒											
3	93	329	2.805	175	☒											
4	94	425	2.832	150	☒											
5	95	371	2.866	125	☒											
6	96	439	2.848	100	☒											
7	97			75	☒											
8	98	462	2.915	75	☒											
9	99	547	1.755 ^{bad sample}	50	☒											bubble on lens
10	100	557	3.428	30	☒											
11	101	1328	3.839	20	☒											wrong depth?
12	102	2040	4.151	10	☒											
13	103	559	6.373	5	☒											
14																
15																
16																
17	99	471	3.755	50												
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): T & H

Bottom Depth: 230 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Start	1226	
Bottom	1232	
End	1246	

Positional Information

Start
Lat: 50 ° 48 88 N
Lon: 126 ° 25 55 W

Bottom
Lat: 50 ° 48 90 N
Lon: 126 ° 25 57 W

End
Lat: 50 ° 48 83 N
Lon: 126 ° 25 36 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹

Std Value: _____ mL • L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: KIN 0 Event #: 013 Ship: TULLY UTC Date (dd|mmm|yyyy): 13 | 09 | 08

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	104	638	2.926	8-10	☒	385	1									
2	105	647	2.926	300	☒											
3	106	1338	2.975	250	☒											
4	107	712	2.893	200	☒		2									
5	108	700	2.927	175	☒											
6	109	1105	2.993	150	☒											
7	110			125	☒											
8	111	1333	2.965	125	☒											
9	112	715	3.016	100	☒											
10	113	1374	3.930	75	☒											air bubble on lense
11	114	1301	3.625	50	☒											
12	115	1302	3.689	30	☒											
13	116	1306	3.696	20	☒											
14	117	1321	3.921	10	☒											
15	118	1487	6.007	5	☒											
16																
17	107	1174	2.874	200												
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): T.H.

Bottom Depth: 393 m

Transmisso Cleaned: ☒ / N

	UTC	Local
Time Start	1400	
Bottom	1407	
End	1428	

Positional Information

Start Lat: 50 ° 51.68 N
Lon: 126 ° 37.19 W

Bottom Lat: 50 ° 51.66 N
Lon: 126 ° 37.29 W

End Lat: 50 ° 51.60 N
Lon: 126 ° 37.36 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹

Std Value: _____ mL • L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: SC Event #: 015 Ship: Tull UTC Date (dd|mmm|yyyy): 13|Sep|2008

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	119	1347	2.829	B-5	225	✓										
2	120	1344	2.848	200	200	✓		✓								
3	121	1341	2.849	175	175											
4	122	1456	2.843	150	150											
5	123	1340	2.955	175	125											
6	124	1354	2.989	100	100											
7	125			75					1351	3.267						Ignore
8	126	1212	3.574	75	75											
9	127	1356	3.621	50	50											
10	128	1358	3.699	30	30											
11	129	1360	3.924	20	20											
12	130	1362	3.918	10	10											
13	131	1363	6.081	0	01	✓										
14																
15	120	1448	2.843	200												
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): T, L & D

Bottom Depth: 232 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time Start	1556	
Bottom	1602	
End	1615	

Positional Information

Start Lat: 50 ° 53.434 N
Lon: 126 ° 45.622 W

Bottom Lat: 50 ° 53.418 N
Lon: 126 ° 45.622 W

End Lat: 50 ° 53.395 N
Lon: 126 ° 45.461 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____|____|____

Analyst: _____

* 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: 2008-50

Station: WP

Event #: 16

Ship: Tully

UTC Date (dd|mmm|yyyy): 13 | 09 | 2008

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	132	1364	3.539	13-5	176											
2	133	1366	3.770	150	149											
3	134	1110	3.839	125	126											
4	135	1150	3.770	100	103											
5	136	1223	4.053	75	76											
6	137	1204	4.472	50	51											
7																
8	139	1361	4.657	30	29											
9	140	1452	8.018	20	20											BAD END POINT - TOO HIGH
10	141	1309	4.699	10	11											
11	142			0												not taken
12	143															
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): T, L & D

Bottom Depth: 180 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Start	1718	
Bottom	1723	
End	1734	

Positional Information

Start Lat: 50 ° 50.846 N

Lon: 126 ° 56.450 W

Bottom Lat: ° N

Lon: ° W

End Lat: 50 ° 50.880 N

Lon: 126 ° 56.510 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50

Station: QC 57

Event #: 17

Ship: Tully

UTC Date (dd|mmm|yyyy): 13 | 09 | 2008

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	144	632	2.417	B-5	222											
2	145	76	2.402	200	202											
3	146	329	2.424	175	177											
4	147	425	2.467	150	150											
5	148	371	2.464	125	125											
6	149	439	2.576	100	100											
7	150	—	—	7												
8	151	462	3.004	75	74											
9	152	471	3.475	50	50											
10	153	547	3.944	30	30											
11	154	—	—	20	20											no sample taken
12	155	1328	5.478	10	10											
13	156	2040	5.822	0	1.36											
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): T, L & D

Bottom Depth: 227 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	1818	
Bottom		
End	1835	

Positional Information

Start
 Lat: 50 ° 46.61 N
 Lon: 127 ° 02.28 W

Bottom
 Lat: 50 ° 46.609 N
 Lon: 127 ° 2.284 W

End
 Lat: 50 ° 46.594 N
 Lon: 127 ° 2.288 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹

Std Value: _____ mL • L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: QCS6 Event #: 0018 Ship: T-Mg UTC Date (dd|mmm|yyyy): 13 | 9 | 8

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	157	690	2.751	6-10	☒ 141											
2	158	1175	2.753	125	☒ 125			x								
3	159	1176	2.837	100	☒ 100											
4	160	1213	3.153	75	☒ 75											
5	161	1180	3.547	50	☒ 50											
6	162	1414	3.826	30	☒ 30											
7	163			20	☒ 20											Ignore
8	164	1144	3.750	20	☒ 20	2										
9	165	1315	3.763	10	☒ 10	1										
10	166	1317	4.712	5	☒ 5	1										
11																
12																
13																
14	164	1314	3.736	20												
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): 82/D8/LP/TS

Bottom Depth: 150 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	2011	
Bottom	2015	
End	2026	

Positional Information

Start

Lat: 50 ° 52.411 N

Lon: 127 ° 21.611 W

Bottom

Lat: 50 ° 52.421 N

Lon: 127 ° 21.599 W

End

Lat: 50 ° 52.424 N

Lon: 127 ° 21.602 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50

Station: L602

Event #: 021

Ship: TULLY

UTC Date (dd|mmm|yyyy): 18 | 09 | 08

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	168	638	2.519	90	✓	90	✓	✓									
2	169	647	2.360	90	✓		✓	✓	✓								
3	170	1336	2.305	90	✓		✓	✓	✓								
4	171	1174	2.440	75	✓												
5	172	700	2.541	50	✓												
6	173	1105	2.782	30	✓			✓									
7	174			20	✓												Ignore
8	175	1333	3.869	20	✓					✓							Run as 174 *
9	176	715	6.007	10	✓					✓							
10	177	1374	5.353	5	✓		✓	✓	✓	✓							SUSPECT / BAD TITRATION
11																	
12	170	712	2.236	90													
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Watchkeeper(s): H.S.R.

Bottom Depth: 105 m

Transmisso Cleaned: (Y) / N

Time	UTC	Local
Start	0444	
Bottom	0446	
End	0454	

Positional Information

Start
Lat: 49 ° 18 71 N
Lon: 126 ° 38 13 W

Bottom
Lat: 49 ° 18 71 N
Lon: 126 ° 38 12 W

End
Lat: 49 ° 18 70 N
Lon: 126 ° 38 11 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹
Std Value: _____ mL · L⁻¹
*Date Run: ____ | ____ | ____
Analyst: _____

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

Sample # 177
Titrated
0.125 + 0.145 + 0.076

Water Properties Group

Rosette Log

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

Cruise ID: 2008-50 Station: LG04 Event #: 025 Ship: TULLY UTC Date (dd|mmm|yyyy): 18 | 09 | 08

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	179	1302	4.179	8-10	✓ 136	✓	✓									? to HIGH
2	180	1306	1.372	125	✓ 126	✓	✓	✓								
3	181	1321	1.895	100	✓ 100	✓	✓	✓								
4	182	1487	2.136	75	✓ 75	✓	✓									
5	183	620	2.742	50	✓ 49	✓	✓									
6	184	640	3.906	30	✓ 30	✓	✓									
7	185			20	✓ 19	✓	✓									ignore
8	186	1327	5.061	20	✓ 19	✓	✓		✓							
9	187	622	5.560	10	✓ 10	✓	✓		✓							
10	188	639	6.062	5	✓ 5	✓	✓	✓	✓							
11																
12																
13	182	1368	2.155	75		X										
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): HST

Bottom Depth: 146 m

Transmisso Cleaned: (Y) / N

	UTC	Local
Start	0700	
Bottom	0704	
End	0714	

Positional Information

Start

Lat: 49 ° 11.323 N

Lon: 126 ° 49.378 W

Bottom

Lat: 49 ° 11.302 N

Lon: 126 ° 49.338 W

End

Lat: 49 ° 11.310 N

Lon: 126 ° 49.335 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50

Station: LD10

Event #: 29

Ship: Tilly

UTC Date (dd|mmm|yyyy): | 9 | 2008

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	638	0.722	6-10	✓ 1493									
2	192	647	0.502	1250	✓ 1250			2						
3	193	1338	0.288	1000	✓ 100			X						
4	194	712	0.252	750	✓ 750			X						
5	195	1174	0.628	500	✓ 500									
6	196	1105	0.931	400	✓ 400	2								
7	197			300	✓									ignore
8	198	1367	1.479	300	✓ 300									
9	199	1333	1.792	250	✓ 250									
10	200	715	2.210	200	✓ 198	2	2							
11	201	1301	2.496	175	✓ 175									
12	202	1302	2.869	150	✓ 150									
13	203	1306	3.008	125	✓ 125									
14	204	1321	5.915	100	✓ 100									
15	205	1487	5.050	75	✓ 75									
16	206	1368	6.119	50	✓ 50									
17	207	620	6.182	30	✓ 30									
18	208	611	6.102	20	✓ 20				2					
19	209	621	6.371	10	✓ 10				2					
20	210	622	7.039	5	✓ 5			X	2					
21														
22	196	700	0.602	400										
23	200	1374	2.205	200										
24														

Watchkeeper(s):

Bottom Depth: 1493 m

Transmisso Cleaned: (Y) / N

	UTC	Local
Start	0058	
Bottom	0122	
End	0157	

Positional Information

Start

Lat: 48 ° 32.014 N

Lon: 126 ° 36.506 W

Bottom

Lat: 48 ° 31.544 N

Lon: 126 ° 36.481 W

End

Lat: 48 ° 31.937 N

Lon: 126 ° 36.413 W

Oxygen Info For This Cast

Blank Value: mL · L⁻¹

Std Value: mL · L⁻¹

*Date Run: | |

Analyst:

* 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: 2008-50 Station: LD 08 Event #: 032 Ship: TULLY UTC Date (dd|mmm|yyyy): 19 | 09 | 08

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	212	1347	0.341	8-10	☒ 770	☒	☒									
2	213	1344	0.754	500	☒	☒		☒								
3	214	1448	1.047	400	☒	☒		☒								
4	215	1341	1.293	300	☒	☒										
5	216	1456	1.501	250	☒	☒										
6	217	1340	1.903	200	☒	☒										
7	218			175	☒	☒										
8	219	1212	1.973	175	☒	☒										
9	220	1356	2.150	150	☒	☒										
10	221	1358	2.358	125	☒	☒										
11	222	1360	2.673	100	☒	☒										
12	223	1362	2.853	75	☒	☒										
13	224	1363	2.734	50	☒	☒										
14	225	1364	5.962	30	☒	☒										
15	226	1366	6.588	20	☒	☒			☒							
16	227	1110	6.955	10	☒	☒			☒							
17	228	1150	6.977	5	☒	☒	☒	☒	☒							
18																
19																
20	217	1354	-	200												COMPUTER MALFUNCTION
21																
22																
23																
24																

Watchkeeper(s): HM

Bottom Depth: 781 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	<u>04⁽⁵⁰⁾</u>	
Bottom	<u>0414</u>	
End	<u>0434</u>	

Positional Information

Start Lat: 49 ° 39.16 N
Lon: 126 ° 23.50 W

Bottom Lat: 49 ° 39.16 N
Lon: 126 ° 23.50 W

End Lat: 49 ° 39.13 N
Lon: 126 ° 23.57 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50

Station: LD 05

Event #: 035

Ship: TULLY

UTC Date (dd|mmm|yyyy): 19 | 09 | 08

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	231			510	✓ 80	✓	✓									
2	232	647	3.314	100	✓ 80			✓								
3	233	1338	3.197	75	✓ 74	✓		✓								
4	234	1174	5.484	50	✓ 50											
5	235	700	3.782	30	✓ 30											
6	236	1105	3.417	20	✓ 19				✓	✓						
7	237			40	✓ 9											ignore
8	238	1333	5.136	10	✓ 9		✓		✓	✓						
9	239	715	5.864	5	✓ 5	✓	✓	✓	✓	✓						
10																
11																
12																
13																
14	233	712	3.130	80	74											
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): HSTA

Bottom Depth: 91 m

Transmisso Cleaned: (Y) / N

	UTC	Local
Start	0708	
Bottom	0711	
End	0717	

Positional Information

Start

Lat: 48 ° 49.571 N

Lon: 126 ° 3.433 W

Bottom

Lat: 48 ° 49.571 N

Lon: 126 ° 3.439 W

End

Lat: 48 ° 49.565 N

Lon: 126 ° 3.426 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2000-50

Station: LD02

Event #: 39

Ship: Tully

UTC Date (dd|mmm|yyyy): 19 | 9 | 2008

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	1340	2.920	5-10	☒ 39	1	1									
2	243	1456	2.994	30	☒ 30	1	1	X								
3	244	1354	3.338	20	☒ 20	2	2	XX	2							
4	245	1341	4.829	10	☒ 10	1	1		2							
5	246	1344	5.362	5	☒ 5	1	1	X	2							
6																
X	244	1448	3.350	20												
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SR

Bottom Depth: 44 m

Transmissio Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0924	
Bottom	0927	
End	0931	

Positional Information

Start

Lat: 48 ° 58.315 N

Lon: 125 ° 47.324 W

Bottom

Lat: 48 ° 58.300 N

Lon: 125 ° 47.291 W

End

Lat: 48 ° 58.301 N

Lon: 125 ° 47.336 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50

Station: EFP1

Event #: 42

Ship: Tully

UTC Date (dd|mmm|yyyy): 20|9|2008

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			5-10	25	X										didn't fire
2	249	1456	6.919	20	20	X										
3	250	1354	7.430	10	10	2										
4	251	1341	8.241	5	5	X	X	X	X							
5																
X	250	1440	7.479	10												
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SM

Bottom Depth: 34 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time Start	0152	
Bottom	0158	
End	0201	

Positional Information

Start Lat: 49 ° 5.584 N
Lon: 125 ° 11.651 W

Bottom Lat: 49 ° 5.584 N
Lon: 125 ° 11.647 W

End Lat: 49 ° 5.567 N
Lon: 125 ° 11.642 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____|____|____

Analyst: _____

* 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: 2003-50

Station: EFP2

Event #: 43

Ship: Tully

UTC Date (dd|mmm|yyyy): 20 | 9 | 2003

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	252			6-10	☒ 62	X										MIS FIRE
2	253	1351	0.587	50	☒ 50	X										called 252 in file
3	254	1360	5.409	30	☒ 30	2										
4	255	1362	2.252	20	☒ 20	X										BUBBLE on Lens
5	256	1356	7.921	10	☒ 10	X										
6	257	1363	8.276	5	☒ 5	X										
7																
8	254	1358	5.423	30												
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 72 m

Transmisso Cleaned: Q / N

	UTC	Local
Time		
Start	0227	
Bottom	0230	
End	0235	

Positional Information

Start

Lat: 49 ° 5.015 N

Lon: 125 ° 10.295 W

Bottom

Lat: 49 ° 5.008 N

Lon: 125 ° 10.296 W

End

Lat: 49 ° 4.993 N

Lon: 125 ° 10.264 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: EF03 Event #: 44 Ship: Tully UTC Date (dd|mmm|yyyy): 24 | 9 | 2009

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	UBC					
1	258			6-10	☒ 110	☒										
2	259	1366	0.069	6-10	☒	X	X				2					
3	260	1212	0.000	100	☒	X	X									
4	261			100	☒						2					
5	262	1110	0.159	75	☒	2	2									
6	263			75	☒						2					
7	264			50	☒											ignore
8	265	1223	0.501	50	☒	X	X									
9	266			50	☒						2					
10	267	1204	4.052	30	☒	X	X									
11	268			30	☒						2					
12	269	1361	5.841	20	☒	X	X									
13	270			20	☒						2					
14	271	1452	7.041	10	☒	X	X									
15	272			10	☒						2					
16	273	1309	4.038	5		X	X	X	X							N.G. - FINISHED TOO EARLY (NO BUBBLE)
17	274			5							2					STILL YELLOW
18																
19																
20	262	1150	0.151	75												
21																
22																
23																
24																

Watchkeeper(s): HSR

Bottom Depth: 119 m

Transmisso Cleaned: Y / N

	UTC	Local
Time Start	0300	
Bottom	0302	
End	0311	

Positional Information

Start Lat: 49 ° 04 26 N
Lon: 125 ° 09 38 W

Bottom Lat: 49 ° 04 25 N
Lon: 125 ° 09 37 W

End Lat: 49 ° 04 24 N
Lon: 125 ° 09 33 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: EFO4 Event #: 45 Ship: Tully UTC Date (dd|mmm|yyyy): 20 | 09 | 08

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				6-10	☒ 45											likely won't trip!
2	275	639	2.554	6-10		X										
3	276	1338	4.215	30		2										
4	277	712	6.190	20		X										
5	278	1174	7.092	10		X										
6	279	700	8.146	5		X										
7																
8																
9	276	647	4.317	30												
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: 58 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start	0344	
Bottom	0346	
End		

Positional Information

Start
 Lat: 49° 03' 14.27 N
 Lon: 125° 03' 57.20 W

Bottom
 Lat: 49° 03' 12.98 N
 Lon: 125° 03' 58.18 W

End
 Lat: 49° 03' 11.82 N
 Lon: 125° 03' 59.30 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: EF 05 Event #: 046 Ship: TULLY UTC Date (dd|mmm|yyyy): 20 | 09 | 08

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	280			8-10	☒ 190	☒	☒									MISDIR
2	291	76	1.154	8-10	☒		☒									
3	282	329	1.181	175	☒											
4	283	425	1.283	150	☒	☒	☒									NO Dup?
5	284	371	1.154	125	☒		☒									
6	285	434	1.100	100	☒		☒									
7	286			75	☒											
8	287	462	1.135	75	☒		☒									
9	288	471	1.686	50	☒		☒									
10	289	547	4.094	30	☒		☒									
11	290	557	5.896	20	☒		☒									
12	291	1328	7.141	10	☒		☒									
13	292	2040	8.294	5	☒	☒	☒									
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): HSR

Bottom Depth: 202 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0419	
Bottom	0422	
End	0435	

Positional Information

Start Lat: 49 ° 02 46 N
Lon: 125 ° 09 15 W

Bottom Lat: 49 ° 02 46 N
Lon: 125 ° 09 14 W

End Lat: 49 ° 02 43 N
Lon: 125 ° 09 15 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: EF 06 Event #: 047 Ship: TULLY UTC Date (dd|mmm|yyyy): 20 | 09 | 08

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	293			8-107	☒ 140	☒										
2	294	1175	1.062	8-10	☒											
3	295	1176	1.014	125	☒											
4	296	1213	1.146	100	☒	☒										
5	297	1414	1.507	75	☒											
6	298	1106	1.655	50	☒											
7	299			307	☒											
8	300	1315	4.687	30	☒											
9	301	1314	5.801	20	☒											
10	302	1317	6.742	10	☒											
11	303	2020	8.250	5	☒	☒										BOTTLE 11 LID OPEN
12																HUNG ON #12
13																
14	296	1180	1.084	100												
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H S R

Bottom Depth: 152 m

Transmisso Cleaned: ☒ Y / ☐ N

	Time	UTC	Local
Start		0500	
Bottom		0502	
End		0513	

Positional Information
 Lat: 49 ° 01 80 N
 Lon: 125 ° 09 17 W

Start

Lat: 49 ° 01 78 N
 Lon: 125 ° 09 18 W

Bottom

Lat: 49 ° 01 75 N
 Lon: 125 ° 09 18 W

End

Oxygen Info For This Cast
 Blank Value: _____ mL · L⁻¹
 Std Value: _____ mL · L⁻¹
 *Date Run: ____ | ____ | ____
 Analyst: _____

* 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: 2008-50 Station: EE 7 Event #: 048 Ship: TULLY UTC Date (dd|mmm|yyyy): 20 | 09 | 08

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	304			B-10	☒ 105	☒										
2	305	1326	1.187	B-10	☒											
3	306	1320	1.209	75	☒											
4	307	1300	2.004	50	☒											
5	308	1322	4.632	30	☒	☒										
6	309	1373	5.918	20	☒											
7	310			10	☒											
8	311	1313	7.273	10	☒											
9	312	1146	8.413	5	☒											
10																
11																
12	308	1307	4.668	30												
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): H S R

Bottom Depth: 118 m

Transmisso Cleaned: ☒ Y / N

	UTC	Local
Time Start	0533	
Bottom	0534	
End	0543	

Positional Information

Start Lat: 49 ° 01 27 N

Lon: 125 ° 09 37 W

Bottom Lat: 49 ° 01 26 N

Lon: 125 ° 09 38 W

End Lat: 49 ° 01 23 N

Lon: 125 ° 09 40 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹

Std Value: _____ mL • L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50

Station: EF 08

Event #: 049

Ship: TULLY

UTC Date (dd|mmm|yyyy): 20 | 09 | 08

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	313			B-10	☒ 75	☒										MISFIRE
2	314	1238	1.515	B-10	☒	☒										
3	315	1244	1.949	50	☒											
4	316	1247	4.490	30	☒											
5	317	1230	5.800	20	☒											
6	318	1267	6.991	10	☒											
7	319			5	☒											MISFIRE
8	320	1274	7.909	5	☒	☒										
9																
10																
11																
12	314	1241	1.504	75												
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): HSR

Bottom Depth: 96 m

Transmisso Cleaned: ☒ Y / ☐ N

	UTC	Local
Time Start	0603	
Bottom	0604	
End	0610	

Positional Information

Start Lat: 49 ° 00 67 N

Lon: 125 ° 10 21 W

Bottom Lat: 49 ° 00 67 N

Lon: 125 ° 10 21 W

End Lat: 49 ° 00 65 N

Lon: 125 ° 10 24 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: EF 09 Event #: 050 Ship: Tully UTC Date (dd|mmm|yyyy): 20 | 09 | 08

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	321			8-10	☒ 55	✓										MISFIRE
2	322	1333	2.246	8-10	☒	↓										
3	323	715	4.417	30	☒	↓										
4	324	1301	5.646	20	☒	↓										
5	325	1302	6.495	10												
6	326	1306	7.559	5		↓										
7																
8																
9																
10	323	1374	4.443	30												
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): HSR

Bottom Depth: 65 m
Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0632	
Bottom	0633	
End	0639	

Positional Information
Start
Lat: 49 ° 00 09 N
Lon: 125 ° 10 82 W

Bottom
Lat: 49 ° 00 09 N
Lon: 125 ° 10 82 W

End
Lat: 49 ° 00 08 N
Lon: 125 ° 10 85 W

Oxygen Info For This Cast
Blank Value: _____ mL • L⁻¹
Std Value: _____ mL • L⁻¹
*Date Run: ____ | ____ | ____
Analyst: _____

* 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: 2008-50 Station: CF 10 Event #: 051 Ship: TULLY UTC Date (dd|mmm|yyyy): 20 | 09 | 08

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	327			8-10	✓ 91	✓										ignore
2	328	1280	1.355	8-10	✓ 91											
3	329	1281	1.344	75	✓ 75											
4	330	1282	1.428	50	✓ 50	✓										
5	331	1290	4.346	30	✓ 30											1290 is INVALID FLASK
6	332	1291	5.065	20	✓ 20											CALL 1276 in FILE
7	333			10	✓ 10											ignore
8	333			10	✓ 10											no 02
9	334	1141	6.958	5	✓ 5	✓										1141 INVALID → 1267 in FILE
10																50m in FILE
11																
12	330	1288	1.450	50												
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SK

Bottom Depth: 101 m

Transmisso Cleaned: Y / N

	Time	UTC	Local
Start		0703	
Bottom		0709	
End		0716	

Positional Information

Start Lat: 48 ° 59.836 N
Lon: 125 ° 11.201 W

Bottom Lat: 48 ° 59.838 N
Lon: 125 ° 11.204 W

End Lat: 48 ° 59.824 N
Lon: 125 ° 11.212 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹
Std Value: _____ mL • L⁻¹
*Date Run: ____ | ____ | ____
Analyst: _____

* 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: 2008-50 Station: EF11 Event #: 52 Ship: Tully UTC Date (dd|mmm|yyyy): 20 | 9 | 08

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	335			6-10	/ 75											ignore
2	336	1340	1.476	5-10	/ 75	X										
3	337	1456	1.555	50	/ 50	2										
4	339	1448	3.517	30	/ 30	X										
5	339	1341	5.336	20	/ 20	X										
6	340	1344	6.551	10	/ 10	X										
7	341			5	/ 5	X										ignore
8	342	1347	7.928	5	/ 5	X										
9																
10																
11	337	1354	1.524	50												
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SL

Bottom Depth: 85 m

Transmisso Cleaned: ☒ Y / ☐ N

Time	UTC	Local
Start	0735	
Bottom	0738	
End	0744	

Positional Information

Start
 Lat: 43 ° 59.170 N
 Lon: 125 ° 11.057 W

Bottom
 Lat: 48 ° 59.123 N
 Lon: 125 ° 11.048 W

End
 Lat: 48 ° 59.124 N
 Lon: 125 ° 11.034 W

Oxygen Info For This Cast

Blank Value: _____ mL • L⁻¹

Std Value: _____ mL • L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: EF12 Event #: 53 Ship: Tully UTC Date (dd|mmm|yyyy): 20 | 9 | 08

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	342			6-10	1 83											ignore
2	343	1360	1.559	6-10	1 83	X	X									
3	344	1358	1.604	75	1 75	X	X									
4	345	1362	1.482	50	1 50	X	X									
5	346	1356	3.726	30	1 30	X	X									
6	347	1363	4.888	20	1 20	2	2									
7	348			10	1 10											ignore
8	349	1366	6.492	10	1 10	X	X									
9	350	1212	8.808	0		X	X									
10																
11																
12	397	1364	4.886	20												
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SK

Bottom Depth: 93 m

Transmisso Cleaned: ☒ Y ☐ N

Time	UTC	Local
Start	0815	
Bottom	0818	
End	0826	

Positional Information

Start

Lat: 48 ° 57.994 N

Lon: 125 ° 10.513 W

Bottom

Lat: 48 ° 57.956 N

Lon: 125 ° 10.516 W

End

Lat: 48 ° 58.006 N

Lon: 125 ° 10.525 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50

Station: EF13

Event #: S4

Ship: Tully

UTC Date (dd|mmm|yyyy): 20 | 9 | 08

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	352	1150	1.639	6-10	1	94										ignore
2	353	1150	1.639	6-10	1	94	2									
3	354	1223	1.693	75	1	75	X									
4	355	1204	1.530	50	1	50	X									
5	356	1361	3.974	30	1	30	X									
6	357	1452	4.739	20	1	20	X									
7	358	1309	5.819	10	1	10										ignore
8	359	1309	5.819	10	1	8	X									
9	360	1375	7.744	5	1	5	X									
10																
11																
12	353	1110	1.633	94												
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SN

Bottom Depth: 106 m

Transmisso Cleaned: ☒ / N

	UTC	Local
Start	0843	
Bottom	0846	
End	0854	

Positional Information

Start

Lat: 48 ° 56.584 N

Lon: 125 ° 10.697 W

Bottom

Lat: 48 ° 56.500 N

Lon: 125 ° 10.700 W

End

Lat: 48 ° 56.496 N

Lon: 125 ° 10.700 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* 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: 2008-50 Station: EF14 Event #: 55 Ship: Tully UTC Date (dd|mmm|yyyy): 20 | 9 | 08

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	361			5-10	1	98										ignore
2	362	1119	1.977	5-10	1	98	X									
3	363	1268	1.841	75	1	75	X									
4	364	1277	1.741	50	1	50	X									1277 INVALID → 1274
5	365	705	3.977	20	1	30	X									in file
6	366	1278	4.882	20	1	20	X									
7	367			10	1	10										ignore
8	368	1279	6.547	10	1	10	2									
9	369	1486	7.438	5	1	5	X									
10																
11																
12	368	1424	6.535	10												
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): SL

Bottom Depth: 108 m

Transmisso Cleaned: ☒ Y / N

Time	UTC	Local
Start	0919	
Bottom	0922	
End	0930	

Positional Information

Start

Lat: 48 ° 54.018 N

Lon: 125 ° 12.977 W

Bottom

Lat: 48 ° 54.019 N

Lon: 125 ° 12.978 W

End

Lat: 48 ° 54.030 N

Lon: 125 ° 12.983 W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

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