

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14 Station: SI Event #: 1 Ship: TULLY UTC Date (dd|mmm|yyyy): 23 | FEB | 2012

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			surf	☒ 2.9											
2	2			↓	☒ ↓											pooled bottles for HPLC extraction efficiency experiment
3	3			↓	☒ ↓											
4	4			↓	☒ ↓											
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): N²

Bottom Depth: 187 m

Transmisso Cleaned: Y / N

	UTC	Local
Time Start	<u>0215</u>	<u>1815</u>
Bottom	<u>0221</u>	<u>1821</u>
End	<u>0225</u>	<u>1825</u>

Positional Information

Start Lat: 48 ° 39.287 N
Lon: 123 ° 30.242 W

Start

Bottom Lat: 48 ° 39.234 N
Lon: 123 ° 30.281 W

Bottom

End Lat: 48 ° 39.224 N
Lon: 123 ° 30.308 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: 2012-14 Station: 40 Event #: 2 Ship: JULY UTC Date (dd|mm|yyyy): 23 Feb | 2012

[illegible]

Bottom Depth: 155	Transmisso Cleaned: (Y) / N
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Time	UTC	Local
Start	0648	2248
Bottom	0653	2253
End	0702	2302

Positional Information

Lat:	49	°	8.518	N
Lon:	123	°	36.848	W

Lat: 49°	°	8,924	N
Lon: 123°	°	36,816	W

Lat: 49° 0' 8.545	N
Lon: 123° 0' 36.786	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

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

Version: 28 Feb 2008

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

[illegible]

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14 Station: 39 Event #: 3 Ship: TULLY UTC Date (dd|mm|yyyy): 23 | Feb | 2012

[illegible]

Bottom Depth: 374	Transmisso Cleaned: Y / N
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Time	UTC	Local
Start	0749	2349
Bottom	0757	2357
End	0814	0014

Positional Information	
Lat: 49 ° 9,790 N	Lon: 123 ° 32,896 W

Lat:	49	°	9' 767	N
Lon:	23	°	32' 921	W

Lat: 49 ° 09' 78"	N
Lon: 123 ° 32' 95"	W

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

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

Version: 28 Feb 2008

[illegible]

Rosette Log

UTC Date (dd|mm|yyyy): 23 | Feb | 2012

Ship: TULLY

5

Event #:

Station: 37

Cruise ID: 2012-14

Niskin #	Sample #	Oxygen Titrations Flask Value Serial # mL · L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal	Chl a NH ₄	Comments
						Seaport Reddings

Watchkeeper(s): *N2/11*

Bottom Depth:	208	m
Transmisso Cleaned:	Y	/ N

Time	UTC	Local
Start	10/16	02/16
Bottom	10/20	02/20
End	10/31	02/21

Positional Information	
Lat: 49 ° 13.584 N	Lon: 123 ° 20.527 W

Lon: 123	°	20.532	W
Lat: 49	°	13.584	N

Lat: 49	°	13.625	N
Lon: 123	°	20.513	W

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

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

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

Version: 28 Feb 2008

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14 Station: 28 Event #: 6 Ship: TULLY UTC Date (dd|mm|yyyy): 29 Feb 2011

[illegible]

Watchkeeper(s): N2/AP

Bottom Depth:	137	m
Transmisso Cleaned:	Y	/ N

Time	UTC	Local
Start	0636	2236
Bottom	0640	2240
End	0647	2247

Positional Information	
Lat: 49 ° 29.14 N	Lon: 123 ° 45.23 W

Lat: 49	°	29.16	N
Lon: 123	°	45.17	W

Lat: 49	°	24.16	N
Lon: 123	°	45.10	W

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

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

Version: 28 Feb 2008

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

[illegible]

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14	Station: 27B	Event #: 7	Ship: TULLY	UTC Date (dd mm yyyy): 24 FEB 2012
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[illegible]

Watchkeeper(s): N2

Bottom Depth: 128 m	Transmisso Cleaned: Y / N
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Time	UTC	Local
Start	0725	2325
Bottom	0728	2328
End	0735	2335

Positional Information	
Lat:	49 ° 21.94
Lon:	123 ° 46.54
W	

Lat:	49°	°	21.42	N
Lon:	123°	°	46.48	W

Lat:	49 ° 21.46	N
Lon:	123 ° 46.45	W

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

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

Version: 28 Feb 2008

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

[illegible]

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14 Station: 27 Event #: 8 Ship: JULY UTC Date (dd|mm|yyyy): 24 FEB | 2012

Niskin #	Sample #	Oxygen Titrations Flask # Value ml · L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal	Chl a	HH	PH	Comments
----------	----------	---	--	------------------------------------	----------	----	----	----------

1	47	200	✓ 200	X				
2	48	175	✓ 175					
3	49	150	✓					
4	50	125	✓					
5	51	100	✓					
6	52	75	✓					
7	53	50	✓					
8	54	30	✓					0.55
9	55	20	✓	X	XX	XX		0.9
10	56	10	✓		XX	XX		0.73
11	57	5	✓ 4.9					0.73
12	58	0	✓ 2.8				XXX	
13								
14								
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18								
19								
20								
21								
22								
23								
24								

Watchkeeper(s): N2

Bottom Depth: 346 m
Transmisso Cleaned: (Y) / N

Time UTC Local
Start 0823 0023
Bottom 0831 0031
End 0848 0048

Positional Information
Lat: 49 ° 19.16 N
Lon: 123 ° 48.09 W

Bottom
Lat: 49 ° 19.13 N
Lon: 123 ° 48.15 W

End
Lat: 49 ° 19.16 N
Lon: 123 ° 48.14 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: 2012-14	Station: 26B	Event #: 9	Ship: TULLY	UTC Date (dd mmm yyyy): 04 FEB 2012
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Niskin #	Sample #	Oxygen Titrations Flask Value Serial # ml · L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal Chl a	Comments
				HPLC	Seapoint Leadings

Bottom Depth: 411	Transmisso Cleaned: Y / N
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Time	UTC	Local
Start	0941	0141
Bottom	0949	0149
End	1002	0202

Positional Information	
Lat: 49 ° 16.60	N
Lon: 123 ° 49.31	W

Lat: 49° 16.61	°	N
Lon: 123° 49.31	°	W

Lat:	49	°	16.62	N
Lon:	123	°	49.83	W

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

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

Version: 28 Feb 2008

[illegible]

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14 Station: 26 Event #: 10 Ship: Tully UTC Date (dd|mm|yyyy): 24 FEB | 2012

[illegible]

Bottom Depth:	254	m
Transmissio Cleaned:	(Y) 1	N

Time	UTC	Local
Start	1045	0245
Bottom	1050	0250
End	1100	0300

Positional Information	
Lat: 49° 14.351'	N
Lon: 123° 50.894'	W

Lat:	49°	°	14.351	N
Lon:	123°	°	50.897	W

Lat: 49 ° 14.369	N
Lon: 123 ° 50.892	W

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

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

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

Version: 28 Feb 2008

Niskin #	Sample #	Oxygen Titrations Flask Value Serial #	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal	Chl a	MP MP	Comments
----------	----------	--	--	------------------------------------	----------	----------	----------

1	71	50	✓	X			
2	72	30	✓				
3	73	20	✓		XX	XX	
4	74	10	✓		XX	XX	
5	75	5	✓				
6	76	0	✓		XX	XX	
7							
8							
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14							
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19							
20							
21							
22							
23							
24							

Watchkeeper(s): N2

Bottom Depth: 186 m

Transmisso Cleaned: Y / N

Time UTC Local

Start	0610	2210
Bottom	0615	2215
End	0623	2223

Positional Information

Lat: 48 ° N
Lon: 123 ° W

Bottom

Lat: 48 ° N
Lon: 123 ° W

End

Lat: 48 ° N
Lon: 123 ° W

Oxygen Info For This Cast

Blank Value: mL · L⁻¹

Std Value: mL · L⁻¹

*Date Run: | |

Analyst: | |

Rosette Log

UTC Date (dd|mm|yyyy): 26 | Feb | 2012

Station: 46

21

Watchkeeper(s): N2

Bottom Depth:	177 m
Transmisso Cleaned:	Y / N

Time	UTC	Local
Start	0714	2314
Bottom	0717	2317
End	0730	2330

Positional Information	
Lat: 48 ° 51.906	N
Lon: 123 ° 10.697	W

Lat:	48°	51.396°	N
Lon:	123°	10.680°	W

Lat:	48°	°	51.313	N
Lon:	123°	°	10.726	W

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

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

Rosette Log

UTC Date (dd|mm|yyyy): 26 Feb 2012

Ship: 7721

Event #: 13

Station: 45

Cruise ID: 2012-14

Watchkeeper(s): N2

Transmisso Cleaned: Y / N

End	Bottom	Start
0835	0828	0825
0035	0028	0025

Lat:	48	°	53.812	N
Lon:	123	°	9.010	W

Lat:	48	°	53.808	N
Lon:	123	°	9.040	W

Lat:	48	°	53	77	N
Lon:	123	°	09	00	W

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

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

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

Version: 28 Feb 2008

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14 Station: AP Event #: 14 Ship: TULLY UTC Date (dd|mm|yyyy): 26 | Feb | 2012

Niskin #	Sample #	Oxygen Titrations Flask Value Serial #	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal	Chl a NH ₄	Comments
----------	----------	--	--	------------------------------------	-----------------------------	----------

1	95	30	✓	x		
2	96	30	✓			
3	97	20	✓		XX	
4	98	10	✓		XX	
5	99	5	✓		XX	
6	100	0			XX	
7						
8						
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16						
17						
18						
19						
20						
21						
22						
23						
24						

Watchkeeper(s): N²

Bottom Depth: 189 m
Transmisso Cleaned: Y / N

Time UTC Local
Start 1004 0204
Bottom 1009 0209
End 1018 0218

Positional Information
Lat: 48 ° 55.23 N
Lon: 123 ° 18.19 W

Bottom
Lat: 48 ° 55.22 N
Lon: 123 ° 18.24 W

End
Lat: 48 ° 55.24 N
Lon: 123 ° 18.24 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

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

Cruise ID: 2012-14	Station: 43	Event #: 15	Ship: JULY	UTC Date (dd mm yyyy): 26 FEB 2012
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[illegible]

Bottom Depth:	203 m
Transmisso Cleaned:	Y / N

Time	UTC	Local
Start	11/25	0325
Bottom	11/29	0329
End	11/38	0338

Positional Information		Start
Lat: 49 ° 0.22	N	
Lon: 123 ° 30.13	W	

Bottom	Lat: 49 ° 0.25	N
	Lon: 123 ° 30.10	W

End	Lat: 49 °	Lon: 123 °
	N	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: 2012-14 Station: 42 Event #: 16 Ship: TULLY UTC Date (dd|mm|yyyy): 26 FEB 2012

Niskin #	Sample #	Oxygen Titrations Flask Value ml · L ⁻¹	Serial #	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal	Chl a	MPIC MPHO	Comments
----------	----------	--	----------	--	------------------------------	-------	-----------	----------

1	107	200	✓	✓	X			
2	108	175	✓	✓				
3	109	150	✓	✓				
4	110	125	✓	✓	X			
5	111	100	✓	✓				
6	112	75	✓	✓				
7	113	50	✓	✓				
8	114	30	✓	✓				
9	115	20	✓	✓		XX		
10	116	10	✓	✓		XX		
11	117	5	✓	✓		XY		
12	118	0	✓	✓		XY XX		
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Time	UTC	Local
Start	1222	0922
Bottom	1229	0929
End	1245	0945

Bottom Depth: 319 m	Transmisso Cleaned: Y / N
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Positional Information	
Lat: 49 ° N	Lon: 123 ° W
▲	
Lat: 49 ° N	Lon: 123 ° W
▼	
Lat: 49 ° N	Lon: 123 ° 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

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

Version: 28 Feb 2008

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

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14 Station: 41 Event #: 17 Ship: NULY UTC Date (dd/mm/yyyy): 26 Feb | 2012

Niskin #	Sample #	Oxygen Titrations Flask Value mL · L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal	Chl a	MT ₂	MT ₄	Comments
----------	----------	--	--	------------------------------	-------	-----------------	-----------------	----------

1	119	50	✓	X				- vent not closed
2	120	30	✓					
3	121	20	✓		XX			
4	122	10	✓		XX			
5	123	5	✓					
6	124	0	✓		XX	XX		
7								
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14								
15								
16								
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19								
20								
21								
22								
23								
24								

Bottom Depth: 296 m	Transmisso Cleaned: Y / N
Time	UTC
Start	1322 0522
Bottom	1327 0527
End	1336 0536

Positional Information	Lat: 49 ° N	Lon: 123 ° W
Start	Lat: 49 ° N	Lon: 123 ° W
Bottom	Lat: 49 ° N	Lon: 123 ° W
End	Lat: 49 ° N	Lon: 123 ° 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				

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

Version: 28 Feb 2008

http://www.pac.dfo-mpo.gc.ca/sci/ospap/projects/waterproperties/

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14 Station: 29B Event #: 18 Ship: Tully UTC Date (dd/mm/yyyy): 27 Feb 2012

Niskin #	Sample #	Oxygen Titrations Flask # Serial #	Value mL · L ⁻¹	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal	Chl a HPLC	Comments
----------	----------	--	-------------------------------	--	------------------------------------	------------------	----------

1	125	✓	50	✓			
2	126	✓	30	✓			
3	127	✓	20	✓		XX	
4	128	✓	10	✓	X	XY	
5	129	✓	5	✓		XY	
6	130		0			XY	
7							
8							
9							
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21							
22							
23							
24							

unstable with more by T S Δ

Watchkeeper(s): N2

Bottom Depth: 150 m
Transmisso Cleaned: (Y) / N

Time UTC Local
Start Bottom End
0605 2205 0613 2213

Positional Information
Lat: N Lon: W

Bottom
Lat: 49 ° 33.148 N
Lon: 124 ° 4.549 W

End
Lat: 49 ° 33.146 N
Lon: 124 ° 4.570 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

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

Version: 28 Feb 2008

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

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14 Station: 24 Event #: 19 Ship: JULY UTC Date (dd|mm|yyyy): 27 | FEB | 2012

Niskin #	Sample #	Oxygen Titrations Flask Value Serial #	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal Chl a	Comments
----------	----------	--	--	------------------------------------	----------

1	131	200	✓		
2	132	175	✓		
3	133	150	✓		
4	134	125	✓		
5	135	100	✓		
6	136	75	✓		
7	137	50	✓	X	
8	138	30	✓		
9	139	20	✓	xx	
10	140	10	✓	xx	
11	141	5	✓	xx	
12	142	0		xxx	
13					
14					
15					
16					
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19					
20					
21					
22					
23					
24					

Watchkeeper(s): N2

Bottom Depth: 928 m
Transmisso Cleaned: ☒ Y / ☐ N

Time
UTC Local
Start 0653 2253
Bottom 0701 2301
End 0720 2320

Positional Information
Lat: 49 ° 30.288 N
Lon: 124 ° 5.992 W

Bottom
Lat: 49 ° 30.283 N
Lon: 124 ° 5.984 W

End
Lat: 49 ° 30.277 N
Lon: 124 ° 5.989 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

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

Version: 28 Feb 2008

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

Rosette Log

Cruise ID: 2012-14	Station: 25	Event #: 20	Ship: Tully	UTC Date (dd mm yyyy): 27 Feb 2012
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<http://www.pac.dfo-mpo.gc.ca/sci/osap/projects/waterproperties/>

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

Rosette Log

UTC Date (dd|mm|yyyy): 27 FEB 2012

Station:

Ship: ATRL

Bottom Depth: 180 m	Transmisso Cleaned: Y / N
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Positional Information	
Lat:	49° 29.062
Lon:	124° 9.334
N	
W	

Bottom

Lat: 49	°	29.125	N
Lon: 124	°	9.248	W

Analyst: Oxygen blanks and standards should be run daily, if possible

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

Version: 28 Feb 2008

Water Properties Group

Rosette Log

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

Cruise ID: 2012-14 Station: 1 Event #: 22 Ship: TULLY UTC Date (dd|mm|yyyy): 27 | FEB | 2012

Niskin #	Sample #	Oxygen Titrations Flask Value Serial #	Rosette Operation Target Pressure Confirmed Pressure	Samples Taken Oxy Nut Sal	Chl a	Comments
----------	----------	--	--	------------------------------	-------	----------

1	161	50	✓	x		
2	162	30	✓			
3	163	20	✓		xx	
4	164	10	✓		xx	
5	165	5	✓		xx	
6	166	0	✓	2.5	xx	
7						
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20						
21						
22						
23						
24						

Bottom Depth: 251 m

Transmisso Cleaned: Y / N

Time UTC Local

Start 0947 0147

Bottom 0951 0151

End 0959 0159

Positional Information

Lat: 49 ° 20.399 N Lon: 124 ° 12.058 W

Lat: 49 ° 20.340 N Lon: 124 ° 12.034 W

Lat: 49 ° 20.353 N Lon: 124 ° 12.004 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

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

Version: 28 Feb 2008

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