

DAILY SCIENCE LOG BOOK

MISSION
NUMBER

2012-67

DATE:

From: OCT 9

to: NOV 4

VESSEL:

W. E. RICKER

PROJECT(S):

MARC TRUDEL - HIGHT SEAS SALMON

Book 2 of 2

Water Properties Group
Fisheries and Oceans Canada
Institute of Ocean Sciences
Ocean Sciences Division
North Saanich, BC, Canada

WaterProperties.ca

DAILY SCIENCE LOG

Ocean Sciences Division, Institute of Ocean Sciences

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Month <u>OCTOBER</u>				Year <u>2012</u>				Ship <u>W.E. RICKER</u>				Cruise ID <u>2012-62</u>			
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information	Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments	
							Latitude	Longitude							
30	DC 19	1818	BE	CTD		219	53° 43.36	128° 48.66	311		1	14M		T: 5.86 S: 26.63	
		1822	BO				53° 43.40	128° 48.72		250				BOT 10m - SAL/CAL/NOTS	
		1828	EN				53° 43.45	128° 48.80							
		1831	BE	NET		220	53° 43.47	128° 48.86		150				BONGO	
		1849	BE	TRAWL		221	53° 42.56	128° 49.16		Tow AT SURFACE				TRAWL	
30	DC 20	1934	BE	CTD		222	53° 39.99	128° 49.88	254	232	1			T: 6.44 S: 26.83	
		1938	BO				53° 40.03	128° 49.84		220				BOT 10m - SAL/CAL/NOTS	
		1943	EN				53° 40.09	128° 49.85						CTD ONLY	
30	DC 21	2006	BE	CTD		223	53° 37.47	128° 50.63	184	165	1			T: 6.67 S: 26.91	
		2009	BO				53° 37.46	128° 50.65		155				BOT 10m - SAL/CAL/NOTS	
		2013	EN				53° 37.46	128° 50.68							
		2015	BE	NET		224	53° 37.45	128° 50.69		149				BONGO	
		2034	BE	TRAWL		225	53° 36.8	128° 50.8		Tow AT 15 m				TRAWL	
30	DC 22	2119	BE	CTD		226	53° 34.49	128° 51.20	162		1			T: 6.180 S: 24.76	
		2122	BO				53° 34.51	128° 51.20		150				BOT 10m - SAL/CAL/NOTS	
		2126	EN				53° 34.51	128° 51.17						CTD ONLY	

Cast Type:

BOT = Bottle cast, no CTD
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SET = Fish Set

USW = Sea Water Loop
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DRF = Drifter

Bottle Firing Method:

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

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Month OCTOBER			Year 2012				Ship W.C. RICHER				Cruise ID 2012-67				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
30	DC 23	2203	BE	CTD		227	53° 33.52	128° 58.62	249			1	H.M.		T: 6.46 S: 27.29
		2207	BO				53° 33.53	128° 58.60		240					BOTBION - SAL/CAL/HOTS
		2212	EN				53° 33.55	128° 58.61							
		2214	BE	NET		228	53° 33.53	128° 58.63		150					BONGO
		2233	BE	TRAWL		229	53 33.445	128 57.8		TOW AT 30m.					TRAWL
30	DC 24	2317	BE	CTD		230	53° 32.62	128° 54.98	213			1			T: 6.39 S: 26.82
		2321	BO				53° 32.64	128° 54.96		210					BOTBION - SAL/CAL/HOTS
		2325	EN				53° 32.64	128° 54.94							CTD ONLY
31	DC 25	1404	BE	CTD		231	53° 28.20	129° 04.19	200			1		✓	T: 6.81 S: 29.84
		1408	BO				53° 28.27	129° 04.19		190					BOTBION - SAL/CAL/HOTS
		1413	EN				53° 28.32	129° 04.21							
		1416	BE	NET		232	53° 28.36	129° 04.20		150					BONGO
		1436	BE	TRAWL		233	53 29.21	129 04.56							TRAWL
31	DC 26	1524	BE	CTD		234	53° 31.44	129° 03.04	100			1			T: 6.58 S: 28.87
		1526	BO				53° 31.46	129° 03.02		90					BOTBION - SAL/CAL/HOTS
		1529	EN				53° 31.47	129° 02.99							CTD ONLY

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Month OCTOBER				Year 2012			Ship W.E. RICHER			Cruise ID 2012-67					
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
31	DC 27	1615	BE	CTD		235	53° 28.80	128° 58.66	80			1	H.M.		T: 7.15 S: 30.11
		1616	BO				53° 28.81	128° 58.62		70					BOTE 10m - SAL/CHL/NUIS
		1619	EN				53° 28.80	128° 58.60							
		1623	BE	NET		236	53° 28.84	128° 58.52		77					BONGO
		1638	BE	TRAWL		237	53 28.31	128 58.32		Tow	AT 30m				TRAWL
31	DC 28	1721	BE	CTD		238	53° 26.96	128° 56.71	240			1			T: 7.65 S: 30.37
		1725	BO				53° 27.02	128° 56.78		230					BOTE 10m - SAL/CHL/NUIS
		1731	EN				53° 27.07	128° 56.87							CTD ONLY
31	DC 29	1759	BE	CTD		239	53° 23.96	128° 54.23	398			1			T: 7.75 S: 30.48
		1803	BO				53° 23.96	128° 54.30		250					BOTE 10m - SAL/CHL/NUIS
		1809	EN				53° 23.98	128° 54.35							
		1811	BE	NET		240	53° 24.00	128° 54.37		150					BONGO
		1829	BE	TRAWL		241	53 23.29	128 54.35		Tow	AT SURFACE				TRAWL
31	DC 30	1912	BE	CTD		242	53° 20.19	128° 54.46	473						T: 7.98 S: 30.74
		1917	BO				53° 20.19	128° 54.41		250					BOTE 10m - SAL/CHL/NUIS
		1922	EN				53° 20.20	128° 54.41							CTD ONLY

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Month OCTOBER

Year 2012

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Cruise ID 2012-67

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
31	DC 31	1951	BE	CTD		243	53° 18.52	128° 58.89	400			1	H.M.		T: 7.97 S: 29.58
		1956	BO				53° 18.51	128° 58.91		250					BOT@10m SAL/CAL/NOTS
		2001	EN				53° 18.51	128° 58.90							
		2004	BE	NET		244	53° 18.50	128° 58.91							BONGO
		2022	BE	TRAWL		245	53° 18.63	128° 59.93		Tow	AT 15m.				TRAWL
31	DC 32	2106	BE	CTD		246	53° 19.32	129° 04.00	420			1			T: 7.77 S: 29.63
		2110	BO				53° 18.35	129° 03.96		250					BOT@10m SAL/CAL/NOTS
		2115	EN				53° 18.36	129° 03.92							CTD ONLY
31	DC 33	2140	BE	CTD		247	53° 17.02	129° 08.08	522			1			T: 7.79 S: 29.88
		2144	BO				53° 17.02	129° 08.13		250					BOT@10m SAL/CAL/NOTS
		2149	EN				53° 17.01	129° 08.16							
		2151	BE	NET		248	53° 17.00	129° 08.17		150					BONGO
			BE	TRAWL		249									TRAWL
31	DC 34	2252	BE	CTD		250	53° 14.01	129° 07.89	532			1			T: 7.89 S: 29.85
		2256	BO				53° 14.03	129° 07.89		250					BOT@10m SAL/CAL/NOTS
		2301	EN				53° 14.04	129° 07.91							CTD ONLY

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Month		OCTOBER/NOV		Year		2012		Ship		W. G. RICHER		Cruise ID		2012-67	
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
31	DC 35	2328	BE	CTD		251	53°10.72	129°07.83	567			1	H.M.		T: 7.64 S: 29.76
		2332	BO				53°10.70	129°07.81		250					NOTE 10m SAL/CHL/HUTS
		2337	EN				53°10.68	129°07.82							
		2340	BE	NET		252	53°10.66	129°07.83							BONGO
			BE	TRAWL		253									TRAWL
1	DC 36	0043	BE	CTD		254	53°07.29	129°07.43	559			1			T: 7.89 S: 29.86
		0048	BO				53°07.28	129°07.42		250					NOTE 10m SAL/CHL/HUTS
		0053	EN				53°07.27	129°07.43							CTD ONLY
1	DC 37	0214	BE	CTD		255	53°08.14	129°22.98	535			1			T: 7.94 S: 30.08
		0218	BO				53°08.15	129°23.01							NOTE 10m SAL/CHL/HUTS
		0224	EN				53°08.15	129°23.04							CTD ONLY
1	DC 38	0318	BE	CTD		256	53°15.21	129°25.81	510			1			T: 7.85 S: 29.97
		0322	BO				53°15.23	129°25.77		250					NOTE 10m SAL/CHL/HUTS
		0328	EN				53°15.21	129°25.72							CTD ONLY

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Month		NOVEMBER		Year			2012			Ship			W.E. RICKER			Cruise ID			2010-67		
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments						
							Latitude	Longitude													
1	DL 39	0409	BE	CTD		257	53° 15.08	129° 19.14	545			1	H.M.		T: 8.10 S: 30.75						
		0413	BO				53° 15.10	129° 19.12							BOTO10 - SAL/CAL/NOTS						
		0419	EN				53° 15.13	129° 19.14							CTD ONLY						
2	JS 03	1417	BE	CTD		258	50° 29.92	126° 32.91	436			0		✓	T: 8.61 S: 31.15						
		1422	BO				50° 29.92	126° 32.81		250					NO BOT						
		1426	EN				50° 29.92	126° 32.72													
		1429	BE	NET		259	50° 29.91	126° 32.67		150					BONGO						
		1509	BE	TRAWL		260	50 30.16	126 31.9	TOW	AT SURFACE, TOW DEPLETED FOR 15% CHT					TRAWL						
2	JS 04	1612	BE	CTD		261	50° 30.10	126° 25.72	357			0			T: 8.67 S: 31.42						
		1617	BO				50° 30.12	126° 25.83		250					—						
		1622	EN				50° 30.11	126° 25.94													
		1625	BE	NET		262	50° 30.13	126° 26.03		150					BONGO						
		1643	BE	TRAWL		263	50 29.94	126 25.5	TOW	AT 15 m					TRAWL						
											</										

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Month				NOVEMBER				Year				2012				Ship				W.E. RICKER				Cruise ID				2012-67			
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Positional Information		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch Keepers	Trans. Cleaned	Comments																
							Latitude	Longitude																							
2	JS 05	1741	BE	CTD		264	50° 29. 49	126° 21. 11	379			0	H.M.		T: 8.66 S: 30.03																
		1746	BO				50° 29. 55	126° 21. 20		250					—																
		1751	EM				50° 29. 59	126° 21. 26																							
		1754	BE	NET		265	50° 29. 62	126° 21. 35		150					BONGO																
		1814	BE	TRAWL		266	50 29. 83	126 20. 89	Tow AT		SURFACE.				TRAWL																
2	JS 06	1915	BE	CTD		267	50° 29. 60	126° 14. 42	305			0			T: 8.71 S: 30.91																
		1920	BO				50° 29. 59	126° 14. 44		250					—																
		1924	EM				50° 29. 59	126° 14. 48																							
		1927	BE	NET		268	50° 29. 59	126° 14. 50		150					BONGO																
		1945	BE	TRAWL		269	50 29 41	126 13. 9	Tow AT		30m.				TRAWL																
2	JS 07	2038	BE	CTD		270	50° 28. 34	126° 09. 11	329			0			T: 8.71 S: 30.92																
		2043	BO				50° 28. 33	126° 09. 13		250					—																
		2047	EM				50° 28. 33	126° 09. 12																							
		2049	BE	NET		271	50° 28. 34	126° 09. 13		150					BONGO																
		2108	BE	TRAWL		272	50° 28. 12	126 08. 38	Tow		AT SURFACE				TRAWL																

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Month		Year		Ship		Cruise ID									
NOVEMBER		2012		W. E. RICKER		2012-67									
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							Latitude	Longitude							
2	JS 08	2201	BE	CTD		273	50° 26.86	126° 01.92	124			0	H.M.		T: 8.70 S: 30.92
		2204	BO				50° 26.87	126° 01.91		116					/
		2206	EH				50° 26.87	126° 01.91							
		2210	BE	NET		274	50° 26.88	126° 01.93		114					BONGO
		2228	BE	TRAWL		275	50 26 76	126 01 31		Tow AT 15m					TRAWL
3	GS 01	1401	BE	CTD		276	50° 27.33	125° 04.32	652			0		✓	T: 8.62 S: 24.41
		1405	BO				50° 27.26	125° 04.35		250					/
		1410	EH				50° 27.17	125° 04.38							
		1413	BE	NET		277	50° 27.12	125° 04.39		150					BONGO
		1454	BE	TRAWL		278	50 26 58	125 04.83		Tow AT SURFACE					TRAWL
3	GS 02	1606	BE	CTD		279	50° 20.76	125° 06.74	516			0			T: 9.66 S: 26.56
		1611	BO				50° 20.80	125° 06.76		250					/
		1615	EH				50° 20.82	125° 06.75							
		1618	BE	NET		280	50° 20.85	125° 06.76		150					BONGO
		1646	BE	TRAWL		281	50 19.2	125 05.60		Tow AT 15m					TRAWL

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							Latitude	Longitude							
3	GS 03	1729	BE	CTD		282	50° 17.67	125° 02.89	347			0	4.1.		T: 9.55 S: 26.96
		1734	BO				50° 17.64	125° 02.88		250					✓
		1738	EN				50° 17.66	125° 02.88							
		1741	BE	NET		283	50° 17.66	125° 02.88		150					BONGO
		1758	BE	TRAWL		284	50 16.98	125 02.24		Tow	AT SURFACE				TRAWL
3	GS 04	1901	BE	CTD		285	50° 17.77	124° 56.99	503			0			T: 9.73 S: 26.86
		1906	BO				50° 17.83	124° 56.97		250					✓
		1910	EN				50° 17.88	124° 56.96							
		1913	BE	NET		286	50° 17.89	124° 56.95		150					BONGO
		1931	BE	TRAWL		287	50 17.67	124 57.21		Tow	AT 15m				TRAWL
3	GS 05	2103	BE	CTD		288	50° 09.47	125° 02.69	455			0			T: 9.94 S: 27.56
		2108	BO				50° 09.44	125° 02.70		250					✓
		2112	EN				50° 09.43	125° 02.74							
		2115	BE	NET		289	50° 09.44	125° 02.74		150					BONGO
		2132	BE	TRAWL		290	50 08.99	125 03.37		Tow	AT SURFACE				TRAWL

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