DAILY LOG BOOK

MISSION NUMBER: 2006-22

DATE: From: JUNE 20/06 to: JULY 1/06

VESSEL: W.E. RICKER

PROJECT: TRUDEL HIGH SEAS SALMON P.B.S.

INSTITUTE OF OCEAN SCIENCES
OCEAN SCIENCES AND PRODUCTIVITY DIVISION
SIDNEY, BC, CANADA

Captain: GLEN ORMISTON First Officer: BOB BARKER
Second Officer: DAVE SARRIMO Third Officer: _____

Mission Participants / Agencies: _____

Scientific Personnel: Party Chief: JOHN MORRIS

Name	Watch	Cabin	Name	Watch	Cabin
TYLER ZUBKOWSKI					
CANDACE BOYLE					
MARY THEISS					
HUGH MACLEAN					

Second leg of Mission: Party Chief: _____

Name	Watch	Cabin	Name	Watch	Cabin

Data logging computer: _____
Data acquisition program: SEASAVE WIN 32
CTD deck unit make: SBE model: 11+ serial number: 11B18377 - 0471

Primary CTD
Make: SBE model: 911+ serial number: _____
Primary temperature serial number: 4484
Primary conductivity serial number: 3038
Secondary temperature serial number: 2710
Secondary conductivity serial number: 2102
Transmissometer: N A Model: _____ s/n: _____
Fluorometer: Model SEAPOINT Cable gain: 10 x 0.15 s/n: 2229 **P, S** or **NO** pump?
Oxygen sensor: _____ Model: _____ s/n: _____ **P, S** or **NO** pump?
PAR sensor: _____ Model: _____ s/n: _____
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?

Secondary CTD
Make: _____ model: _____ serial number: _____
Primary temperature serial number: _____
Primary conductivity serial number: _____
Secondary temperature serial number: _____
Secondary conductivity serial number: _____
Transmissometer: _____ Model: _____ s/n: _____
Fluorometer: Model _____ Cable gain: _____ s/n: _____ **P, S** or **NO** pump?
Oxygen sensor: _____ Model: _____ s/n: _____ **P, S** or **NO** pump?
PAR sensor: _____ Model: _____ s/n: _____
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?
Other sensors: _____ s/n: _____ **P, S** or **NO** pump?
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CTD calibration bottle location (height above CTD in metres): _____

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month JUNE **Year** 2006 **Ship** W.G. RICKER **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
21	JF 01	1401	BE	CTD		001	48°17 21	123° 37 35	183			1	H.M.	✓	T: 9.65 S: 31.50
		1406	BO				48°17 34	123°37 63		170					BOT @ 10m - SAL/CHL/NUTS
		1410	EN				48°17 45	123°37 80							
		1426	BE	NET		002	48°17 58	123°38 12		150					BONGO
		1526	BE	TRAWL		003	48 17 87	123 39 728			SURFACE TOW				TRAWL
21	JF 02	1601	BE	CTD		004	48° 19 49	123° 49 35	164			1		✓	T: 9.59 S: 31.62
		1604	BO				48° 19 56	123° 49 40		150					BOT @ 10m - SAL/CHL/NUTS
		1608	EN				48° 19 60	123° 49 43							
		1615	BE	NET		005	48° 19 67	123° 49 42		146					BONGO
		1637	BE	TRAWL		006	48 19 925	123 49 941			SURFACE TOW				TRAWL
21	JF 03	1814	BE	CTD		007	48° 23 26	124° 03 23	47			1		✓	T: 9.70 S: 31.82
		1817	BO				48° 23 25	124° 03 21		40					BOT @ 10m - SAL/CHL/NUTS
		1819	EN				48° 23 25	124° 03 18							
		1825	BE	NET		008	48° 23 23	124° 03 11	77	69					BONGO
		1846	BE	TRAWL		009	48 23 236	124 03 843			SURFACE TOW				TRAWL

Cast type:
BOT = bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD
USW = sea water loop
MOR = mooring
NET = net haul
DRF = drifter

bottle firing method:
US = up/stop
UN = up/no stop
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Time Code
BE = beginning time of cast
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21	JF 04	2032	BE	CTD		010	48° 26.75	124° 17.52	80			1	H.M.	N/A	T: 10.04 S: 31.91
		2034	BO				48° 26 73	124° 17 50	71	70					BOTE 10 - SAL/CHL/NUTS
		2035	EN				48° 26 70	124° 17 49							
		2041	BE	NET		011	48° 26 63	124° 17 40	160	90					BONGO
		2057	BE	TRAWL		012	48 26 779	124 18 210			SURFACE TOW				TRAWL
21	JF 05	2218	BE	CTD		013	48° 29.84	124° 28.87	149			1	H.M.	N/A	T: 11.57 S: 31.67
		2220	BO				48° 29. 91	124° 28. 81		140					BOTE 10 - SAL/CHL/NUTS
		2223	EN				48° 29. 78	124° 28. 78							
		2228	BE	NET		014	48° 29 74	124° 28. 75		141					BONGO
		2246	BE	TRAWL		015	48 29 980	124 29 935			SURFACE TOW				TRAWL
22	V 1 01	0033	BE	CTD		016	48° 35.79	124° 47.56	43			1	H.M.	N/A	T: 11.05 S: 31.49
		0034	BO				48° 35. 77	124° 47. 57		35					BOTE 10 - SAL/CHL/NUTS
		0035	EN				48° 35. 77	124° 47. 58							
		0038	BE	NET		017	48° 35. 75	124° 47. 59							BONGO
		0056	BE	TRAWL		018	48 35 804	124 49 067			SURFACE TOW				TRAWL

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PUMPS OFF – RECAST

DAILY LOG

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Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
22	VI 02	1402	BE	CTD		019	48° 48. 77	125° 24. 84	40			1	H.M.	N/A	T: 12.64 S: 31.11
		1404	BO				48° 48 77	125° 24 87		30					BOTE 10m - SAL/CHL/NUTS
		1405	EN				48° 48 77	125° 24 89							
		1412	BE	NET		020	48° 48 75	125° 24 97	45	35					BONGO
		1430	BE	TRAWL		021	48 47 988	125 25 777			SURFACE	TOW			TRAWL
22	VI 03	1558	BE	CTD		022	48° 40. 53	125° 33. 77	185			1			T: 13.21 S: 30.97
		1601	BO				48° 40. 53	125° 33. 80	190	180					BOTE 10m - SAL/CHL/NUTS
		1605	EN				48° 40. 55	125° 33. 82							
		1612	BE	NET		023	48° 40. 49	125° 33. 81		150					BONGO
		1637	BE	TRAWL		024	48 39 587	125 34 700.			SURFACE	TOW			TRAWL
22	VI 04	1808	BE	CTD		025	48° 35. 19	125° 42 84	64			1			T: 14.15 S: 31.21
		1809	BO				48° 35. 20	125° 42. 82		55					BOTE 10m - SAL/CHL/NUTS
		1811	EN				48° 35. 21	125° 42 81							
		1817	BE	NET		026	48° 35. 33	125° 42. 89		53					BONGO
		1913	BE	TRAWL		027	48 34 807	125 44, 327			SURFACE	TOW			TRAWL

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22	VI 05	2018	BE	CTD		028	48° 29.79	125° 51.91	103			1	H.M.	N/A	T: 14.40 S: 31.64
		2020	BO				48° 29.81	125° 51.91		95					BOT @ 10m - SAL/CHL/NUTS
		2022	EN				48° 29.82	125° 51.91							
		2028	BE	NET		029	48° 29.81	125° 51.90		93					BONGO
		2046	BE	TRAWL		030	48 25.861	125 53.002			SURFACE TOW				TRAWL
22	VI 06	2207	BE	CTD		031	48° 24.54	126° 00.36	181						T: 14.58 S: 31.87
		2209	BO				48° 24.51	126° 00.35		170		1			BOT @ 10m - SAL/CHL/NUTS
		2212	EN				48° 24.49	126° 00.31							
		2219	BE	NET		032	48° 24.45	126° 00.29		150					BONGO
		2238	BE	TRAWL		033	48 23.680	126 01.275			SURFACE TOW				TRAWL
23	VI 07	0035	BE	CTD		034	48° 19.16	126° 12.41	897			1			T: 14.62 S: 32.03
		0642	BO				48° 19.08	126° 12.48		500					BOT @ 10m - SAL/CHL/NUTS
		0051	EN				48° 19.02	126° 12.49							
		0056	BE	NET		035	48° 19.00	126° 12.52		150					BONGO
		0117	BE	TRAWL		036	48 18.187	126 13.717			SURFACE TOW				TRAWL

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29:40
32:10

DAILY LOG

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Month June **Year** 2006 **Ship** W.E. Ricker **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
23	RT 01	0223	BE	CTD		037	48° 12.92	126° 23.85	1000 +	500		1	H.M	N/A	T: 15.07 S: 31.87
		0229	BO				48° 12.88	126° 23.94							BOT @ 500m - SAL
		0240	EN				48° 12.79	126° 23.98							RICK THOMPSON CAST
23	EP 01	1403	BE	CTD		038	49° 21.14	126° 31.99	30			1	H.M.	N/A	T: 11.27 S: 31.93
		1404	BO				49° 21.16	126° 32.05		25					BOT @ 10m - SAL/CAL/NUTS
		1405	EN				49° 21.16	126° 32.07							
		1411	BE	NET		039	49° 21.19	126° 32.17		19					BONGO
		1434	BE	TRAWL		040	49 20.434	126° 33.142			SURFACE	TOW.			TRAWL
23	EP 02	1525	BE	CTD		041	49° 19.07	126° 36.19	80			1			T: 13.73 S: 30.86
		1527	BO				49° 19.06	126° 36.20		70					BOT @ 10m - SAL/CAL/NUTS
		1529	EN				49° 19.06	126° 36.20							
		1534	BE	NET		042	49° 19.06	126° 36.24		69					BONGO
		1553	BE	TRAWL		043	49 18.348	126 37.529			SURFACE	TOW.			TRAWL

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Month JUNE **Year** 2006 **Ship** W.E RICHER **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
23	EP 03	1645	BE	CTD		044	49°16.75	126°40.69	110			1	H.M.	N/A	T: 13.52 S: 31.79
		1647	BO				49°16.77	126°40.71		100					BOT@10m. SAL/CHL/NUTS
		1650	EN				49°16.79	126°40.72							
		1656	BE	NET		045	49°16.86	126°40.72	108	98					BONGO
		1716	BE	TRAWL		046	49 16 230	126 41 963			SURFACE	TOW	"	"	TRAWL
23	EP 04	1807	BE	CTD		047	49°14.57	126°45.51	118			1			T: 14.06 S: 31.78
		1810	BO				49°14.56	126°45.57		110					BOT@10m - SAL/CHL/NUTS
		1812	EN				49°14.55	126°45.59							
		1818	BE	NET		048	49°14.53	126°45.65		110					BONGO
		1838	BE	TRAWL		049	49 13 733	126 47 045			SURFACE	TOW			TRAWL
23	EP 05	1925	BE	CTD		050	49°12.35	126°48.81	135			1			T: 14.51 S: 31.62
		1928	BO				49°12.38	126°48.85		125					BOT@10m - SAL/CHL/NUTS
		1930	EN				49°12.40	126°48.87							
		1936	BE	NET		051	49°12.42	126°48.92							BONGO
		2002	BE	TRAWL		052	49 12.253	126 49 923			SURFACE	TOW			TRAWL

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

44:05
46:35

DAILY LOG

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Month JUNE **Year** 2006 **Ship** W.E. RICKER **Cruise ID** 2006-22

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23	EP06	2123	BE	CTD		053	49° 10.06	126° 54.51	189			1	H.M.	N/A.	T: 14.97 S: 31.58
		2126	BO				49° 10.03	126° 54.52		180					BOTE 10m · SAL/CHL/NUTS
		2130	EN				49° 09.99	126° 54.52							
		2135	BE	NET		054	49° 09.95	126° 54.52							BONGO
			BE	TRAWL		055	—	—	ABORTED TOW — DOLPHINS PRESENT.						TRAWL
23	EP07	2224	BE	CTD		056	49° 07.97	126° 58.76	459			1			T; 13.87 S; 31.81
		2231	BO				49° 07.92	126° 58.75		450					BOTE 10m · SAL/CHL/NUTS
		2239	EN				49° 07.98	126° 58.79							
		2244	BE	NET		057	49° 08.04	126° 58.68							BONGO
		2303	BE	TRAWL		058	49 07.484	126° 59.619			SURFACE TOW.				TRAWL
24	RT02	0037	BE	CTD		059	49° 02.00	127° 10.08	~1700m			1			T: 14.15 S: 32.09
	/EP08	0046	BO				49° 01.97	127° 10.11		500					BOTE 500m · SAL
		0054	EN				49° 01.90	127° 10.21							RT02 SAME POSITION
															AS EP08

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24	VI 08	1404	BE	CTD		060	50° 25. 07	127° 59. 97	158			1	H.M	N/A	T: 11.38 S: 31.39
		1407	BO				50° 25. 09	127° 59. 99		150					BOTE 10m - SAL/CHL/NUTS
		1409	EN				50° 25. 11	128° 00. 01							
		1414	BE	NET		061	50° 25-13	128° 00.02	154	144					BONGO
		1438	BE	TRAWL		062	50 25. 222	127 59. 763			SURFACE TOW				TRAWL
24	VI 09	1541	BE	CTD		063	50° 21.31	129° 06.71	88			1			T: 13.85 S: 31.69
		1542	BO				50° 21.33	129° 06.73		80					BOTE 10m - SAL/CHL/NUTS
		1544	EN				50° 21. 32	128° 06. 75							
		1549	BE	NET		064	50° 21. 32	128° 06. 81							BONGO
		1610	BE	TRAWL		065	50 21 078	128 06. 627			SURFACE TOW				TRAWL
24	VI 10	1707	BE	CTD		066	50° 18. 07	128° 12. 19	195			1			T: 12.70 S: 31.61
		1711	BO				50° 18. 06	129° 12. 20	186	175					BOTE 10m - SAL/CHL/NUTS
		1714	EN				50° 18. 06	129° 12. 18							
		1719	BE	NET		067	50° 18. 06	129° 12. 15		150					BONGO
		1738	BE	TRAWL		068	50 17 390	128 12. 748			SURFACE TOW.				TRAWL

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24	VI 11	1942	BG	CTD		069	50° 25 31	128° 05 25	64			1	H.M	N/A	T: 12.68 S: 31.40
		1944	BO				50° 25.30	128° 05.27		55					BOTE 10m - SAL/CHL/NUTS
		1945	EN				50° 25. 29	128° 05. 28		53					
		1950	BE	NET		070	50° 25. 27	129° 05. 30							BONGO
		2010	BE	TRAWL		071	50 26.242	128 06. 124			SURFACE		TOW		TRAWL
24	VI 12	2158	BG	CTD		072	50° 30.76	128° 15.52	43			1			T: 12.25 S: 31.62
		2159	BO				50° 30.75	128° 15.53		35					BOTE 10m - SAL/CHL/NUTS
		2200	EN				50° 30. 74	128° 15.53							
		2205	BG	NET		073	50° 30. 68	128° 15. 61							BONGO
		2220	BG	TRAWL		074	50 31 439	128 16 099			SURFACE		TOW		TRAWL
24	VI 13	2343	BG	CTD		075	50° 37. 95	129° 22.63	53			1			T: 12.46 S: 31.76
		2344	BO				50° 37. 96	128° 22. 64		45					BOTE 10m - SAL/CHL/NUTS
		2345	EN				50° 37. 96	128° 22. 65							
		2349	BG	NET		076	50° 37. 96	128° 22. 70		43					BONGO
		2336	BG	TRAWL		077	50 38. 374	128 23. 150			SURFACE		TOW		TRAWL

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12:30
15:00

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Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
25	T 08	1205	BE	CTD	078		50° 42.04	129° 29.34	~2000			1	H.M.	N/A.	T: 13.66 S: 31.91
	RT 03	1215	BO				50° 41.96	129° 29.40		500					BOT @ 500m - SAL
		1224	EN				50° 41.92	129° 29.49							RICK THOMPSON CAST
25	T 07	1404	BE	CTD	079		50° 49.24	129° 13.12	87			1			T: 13.72 S: 31.90
		1404	BO				50° 49.27	129° 13.13		80					BOTE 10m - SAL/CHL/NUTS
		1407	EN				50° 49.29	129° 13.14							
		1414	BE	NET	080		50° 49.29	129° 13.23		81					BONGO
		1432	BE	TRAWL	081		50 50.183	129 11.733			SURFACE TOW				TRAWL
25	T 06	1553	BE	CTD	082		50° 56.11	128° 59.79	56			1			T: 13.30 S: 30.94
		1554	BO				50° 56.14	129° 59.76		50					BOTE 10m. SAL/CHL/NUTS
		1556	EN				50° 56.16	128° 59.74							
		1600	BE	NET	083		50° 56.23	128° 59.71							BONGO
		1616	BE	TRAWL	084		50 57 136	128 58.192			SURFACE TOW				TRAWL

Cast type:
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USW = sea water loop
MOR = mooring
NET = net haul
DRF = drifter

bottle firing method:
US = up/stop
UN = up/no stop
DN = down/no stop

Time Code
BE = beginning time of cast
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EN = end time of cast
DE = deployment time
MR = messenger release time
RE = recover mooring time

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

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month June **Year** 2006 **Ship** W. E. Ricker **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
25	T 05	1712	BE	CTD		085	51° 00.15	128° 51.97	58			1	H.M.	N/A.	T: 13.62 S: 30.79
		1713	BO				51° 00.19	128° 51.97		50					BOT@10m. SAL/CHL/NUTS
		1714	EN				51° 00.22	128° 51.96							
		1719	BE	NET		086	51° 00.38	128° 51.93		49					BONGO
		1735	BE	TRAWL		087	51 01.201	128 50.504			SURFACE	TOW			TRAWL
25	T 04	1850	BE	CTD		088	51° 04.35	128° 44.18	61			1			T: 13.36 S: 30.81
		1851	BO				51° 04.37	128° 44.19		55					BOT@10m - SAL/CHL/NUTS
		1852	EN				51° 04.39	128° 44.18							
		1857	BE	NET		089	51° 04.43	128° 44.17		49					BONGO
		1913	BE	TRAWL		090	51 04.934	128 42.196			SURFACE	TOW			TRAWL
25	T 03	2014	BE	CTD		091	51° 08.49	128° 35.97	137			1			T: 14.22 S: 31.43
		2016	BO				51° 08.51	128° 35.96		125					BOT@10m - SAL/CHL/NUTS
		2018	EN				51° 08.52	128° 35.95							
		2023	BE	NET		092	51° 08.56	128° 35.94		128					BONGO
		2043	BE	TRAWL		093	51 09 385	128 34 183			SURFACE	TOW			TRAWL

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month JUNE | **Year** 2006 | **Ship** W.E. RICHER | **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
25	T 02	21 41	BE	CTD		094	51° 12.44	128° 28.09	187			1	H.M.	N/A	T: 13.70 S: 30.46
		21 44	BO				51° 12.43	128° 28.13		175					BOT@10m · SAL/CHL/NUTS
		21 47	EN				51° 12.41	128° 28.16							
		21 51	BE	NET		095	51° 12.42	128° 28.22		150					BONGO
		22 10	BE	TRAWL		096	51 13.120	128 26 840			SURFACE	TOW.			TRAWL
25	T 01	2314	BE	CTD		097	51°16.50	128° 20.21	77			1			T: 14.00 S: 28.47
		23 15	BO				51°16.47	129° 20.22		70					BOT@10m - SAL/CHL/NUTS
		23 17	EN				51°16.47	129° 20.24							
		2321	BE	NET		098	51° 16.46	129° 20.27		68					BONGO
		23 40	BE	TRAWL		099	51 15,903	128 19.665			SURFACE	TOW.			TRAWL
26	H01	14 05	BE	CTD		100	52° 12.34	129° 10.72	157			1			T: 13.55 S: 31.29
		14 08	BO				52° 12.33	129° 10.77		145					BOT@ 10m · SAL/CHL/NUTS
		14 10	EN				52° 12.33	129° 10.80							
		14 15	BE	NET		101	52° 12.33	129° 10.82		145					BONGO
		14 34	BE	TRAWL		102	52 12 416	129 12 523			SURFACE	TOW			TRAWL

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Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month JUNE **Year** 2006 **Ship** W.E. RICKER **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
26	H02	1558	BG	CTD		103	52° 15.51	129° 26.30	176			1	H.M.	N/A	T: 13.44 S: 31.28
		1601	BO				52° 15.48	129° 26.37		165			↓	↓	BOT@10m - SAL/CHL/NUTS
		1605	EN				52° 15.48	129° 26.37							
		1610	BG	NET		104	52° 15.43	129° 26.44		150					BONGO
		1701	BG	TRAWL		105	52 15 476	129 28.206			SURFACE	TOW.			TRAWL
26	H 03	1756	BG	CTD		106	52° 18.96	129° 41.87	216			1			T: 13.36 S: 31.53
		1800	BO				52° 19.03	129° 41.84	208	200					BOT@10m - SAL/CHL/NUTS
		1804	EN				52° 19.01	129° 41.87							
		1808	BE	NET		107	52° 19.07	129° 41.87		150					BONGO
		1829	BE	TRAWL		108	52 19.624	129 42 635			SURFACE	TOW			TRAWL
26	H04	1958	BG	CTD		109	52° 22.32	129° 57.55	198			1			T: 13.91 S: 31.65
		2001	BO				52° 22.34	129° 57.53	206	195					BOT@10m - SAL/CHL/NUTS
		2004	EN				52° 22.35	129° 57.53							
		2008	BE	NET		110	52° 22.37	129° 57.51		150					BONGO
		2027	BE	TRAWL		111	52 22.524	129 58 597			SURFACE	TOW.			TRAWL

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Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month JUNE **Year** 2006 **Ship** W.E. RICKER **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
26	H-05	2148	BE	CTD		112	52° 25.68	130° 13.30	317			1	H.M.	N/A	T: 13.76 S: 31.65
		2154	BO				52° 25.79	130° 13.22		310	* OVER				BOTE 10 - SAL/CHL/NUTS
		2159	EN				52° 25.86	130° 13.15							
		2204	BE	NET		113	52° 25.95	130° 13.68		150					BONGO
		2236	BE	TRAWL		114	52 26.668	130 14.386			SURFACE	TOW			TRAWL
27	H 06	0037	BE	CTD		115	52° 29.04	130° 29.11	172			1			T: 14.03 S: 31.32
		0039	BO				52° 29.04	130° 29.15		160					BOTE 10 - SAL/CHL/NUTS
		0043	EN				52° 29.02	130° 29.20							
		0047	BE	NET		116	52° 29.00	130° 29.21		150					BONGO
		0106	BE	TRAWL		117	52 29.201	130 30.650			SURFACE	TOW			TRAWL
27	DX 01	1355	BE	CTD		118	54° 14.20	131° 41.14	103			1			T: 10.31 S: 31.46
		1357	BO				54° 14.21	131° 41.19		95					BOTE 10 - SAL/CHL/NUTS
		1359	EN				54° 14.21	131° 41.20							
		1405	BE	NET		119	54° 14.23	131° 41.20		93					BONGO
		1424	BE	TRAWL		120	54 14 836	131 42 785			SURFACE	TOW			TRAWL

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* — WHICH ISSUES ON H-035, HAD TO STOP, COME UP 10m, AND CONTINUE DOWN (STOPPED TWICE)
CALLED H05 H03 IN FILE 2006-22-0112 IN HEADER FILE

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month JUNE | **Year** 2006 | **Ship** W.E. RICHER | **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
27	Dx 02	1536	BG	CTD		121	54° 18.99	131° 51.72	213			1	H.M.	N/A.	T: 10.69 S: 31.33
		1539	BO				54° 18.95	131° 51.87		200					BOTE 10m - SAL/CAL/NUTS
		1543	EN				54° 18.95	131° 51.96							
		1548	BG	NET		122	54° 18.94	131° 52.11		150					BONGO
		1609	BG	TRAWL		123	54 19.539	13153.770			SURFACE	TOW			TRAWL
27	Dx 03	1713	BG	CTD		124	54° 23.06	132° 01.70	286			1			T: 11.30 S: 31.18
		1718	BO				54° 23.10	132° 01.70		275					BOTE 10m - SAL/CAL/NUTS
		1723	EN				54° 23.11	132° 01.69							
		1728	BG	NET		125	54° 23.13	132° 01.65							BONGO
		1747	BG	TRAWL		126	54 23.884	132 02.954			SURFACE	TOW			TRAWL
27	Dx 04	1853	BG	CTD		127	54° 26.92	132° 11.37	340			1			T: 11.73 S: 30.04
		1859	BO				54° 26.91	132° 11.29		330					BOTE 10m - SAL/CAL/NUTS
		1904	EN				54° 26.87	132° 11.18							
		1908	BG	NET		128	54° 26.88	132° 11.15		150					BONGO
		1927	BG	TRAWL		129	54 27 534	132 12.115			SURFACE	TOW			TRAWL

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month JUNE | **Year** 2006 | **Ship** W.E. RICHER | **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
27	DX 05	2037	BE	CTD		130	54° 31.02	132° 22.38	354			1	H.M.	N/A.	T: 10.68 S: 30.30
		2042	BO				54° 31.05	132° 22.26		345					BOTTLE 10m - SAL/CHL/NUTS
		2048	EN				54° 31.04	132° 22.12							
		2053	BE	NET		131	54° 31.10	132° 22.14		150					BONGO
		2113	BE	TRAWL		132	54 31.770	132 22.940			SURFACE	TOW			TRAWL
27	DX 06	2229	BE	CTD		133	54° 35.99	132° 32.95	120			1			T: 12.02 S: 31.06
		2231	BO				54° 35.99	132° 32.89		115					BOTTLE 10m - SAL/CHL/NUTS
		2233	EN				54° 35.98	132° 32.83							
		2237	BE	NET		134	54° 35.94	132° 32.79		122					BONGO
		2254	BE	TRAWL		135	54 36 454	132 33.548			SURFACE	TOW			TRAWL
28	SEA 01	0031	BE	CTD		136	54° 37.11	132° 43.47	105			1			T: 10.35 S: 31.35
		0033	BO				54° 37.08	132° 43.52		95					BOTTLE 10m - SAL/CHL/NUTS
		0035	EN				54° 37.07	132° 43.57							
		0040	BE	NET		137	54° 37.00	132° 43.63							BONGO
		0054	BE	TRAWL		138	54 37 530	132 44.991			SURFACE	TOW			TRAWL

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Daily_log_book.doc

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

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month JUNE **Year** 2006 **Ship** W.E. RICKER **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
28	~~FI-1~~ (FI02)	1359	BE	CTD		139	54° 46.61	133° 11.11	194			1	H.M	N/A.	T: 10.93 S: 31.29
		1402	BO				54° 46.66	133° 11.24		185	* OVER				BOT@10m - SAL/CHL/NUTS
		1406	EN				54° 46.68	133° 11.35							
		1411	BE	NET		140	54° 46.70	133° 11.46		150					BONGO
		14:45	BE	TRAWL		141	54 47 240	133 9.413		SURFACE TOW					TRAWL
28	FI 01	1612	BE	CTD		142	54° 47.30	133° 03.21	119			1			T: 11.19 S: 31.06
		1614	BO				54° 47.29	133° 03.22		110					BOT@10m - SAL/CHL/NUTS
		1616	EN				54° 47.28	133° 03.27							
		1621	BE	NET		143	54° 47.23	133° 03.35		109					BONGO
		1638	BE	TRAWL		144	54 46 940	133 05.270		SURFACE TOW					TRAWL
28	FI 03	1756	BE	CTD		145	54° 45.93	133° 19.06	109			1			T: 11.20 S: 31.86
		1758	BO				54° 45.84	133° 19.10		100					BOT@10m - SAL/CHL/NUTS
		1800	EN				54° 45.86	133° 19.09							
		1805	BE	NET		146	54° 45.87	133° 19.12		95					BONGO
		18:26	BE	TRAWL		147	54 45895	133 21 084		SURFACE TOW					TRAWL

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

- THIS STATION WAS ACTUALLY F102 BUT CALLED F101 IN 2006-22-0139 FILE - NEEDS TO BE CHANGED IN HDR FILE

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month JUNE **Year** 2006 **Ship** W.E. RICHER **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
28	Fi 04	1918	BG	CTD		148	54° 45.09	133° 26.91	140			1	H.M.	N/A	T: 10.86 S: 31.51
		1920	BO				54° 45.11	133° 26.91		130					BOTE 10m. SAL/CHL/NUTS
		1922	EN				54° 45.12	133° 26.91							
		1930	BG	NET		149	54° 45.20	133° 26.90	140	128					BONGO
		1948	BG	TRAWL		150	54 44.639	133 27.662			SURFACE	TOW			TRAWL
28	Fi 05	2051	BG	CTD		151	54° 44.28	133° 34.66	195			1			T: 11.62 S: 31.54
		2053	BO				54° 44.27	133° 34.62		185					BOTE 10m. SAL/CHL/NUTS
		2057	EN				54° 44.25	133° 34.57							
		2101	BG	NET		152	54° 44.24	133° 34.52		150					BONGO
		2120	BG	TRAWL		153	54 44.101	133 35.570			SURFACE	TOW			TRAWL
28	Fi 06	2216	BG	CTD		154	54° 43.57	133° 42.60	215			1			T: 11.24 S: 31.62
		2219	BO				54° 43.57	133° 42.65		205					BOTE 10m. SAL/CHL/NUTS
		2222	EN				54° 43.57	133° 42.68							
		2226	BG	NET		155	54° 43.58	133° 42.65							BONGO
		2244	BG	TRAWL		156	54 43.592	133 44.076			SURFACE	TOW			TRAWL

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26:35
29:05

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month JUNE **Year** 2006 **Ship** W.E. RICKER **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
28	Fi 07	2336	BE	CTD		157	54° 42.91	133° 50.38	221			1	H M.	N/A	T: 11.82 S; 31.81
		2339	BO				54° 42.91	133° 50.38		215					BOTTOM - SAL/CHL/NUTS
		2343	EN				54° 42.90	133° 50.38							
		2347	BE	NET		158	54° 42.98	133° 50.42		150					BONGO
			BE	TRAWL		159									TRAWL
29	RT 04	0220	BE	CTD		160	54° 39.97	134° 21.96	2000+			1			T: 11.74 S: 32.21
	(Fi 10)	0229	BO				54° 39.91	134° 22.12		500					BOT @ 500m - SAL
		0237	EN				54° 39.97	134° 22.21		@ 500m	T=4.502 S=34.047				RICH THOMSON CAST
29	QC1 01	1402	BE	CTD		161	53° 55.92	133° 22.96	63			1			T: 10.32 S: 31.65
		1403	BO				53° 55.92	133° 23.04		55					BOT @ 10m - SAL/CHL/NUTS
		1405	EN				53° 55.90	133° 23.12							
		1410	BE	NET		162	53° 55.86	133° 23.29		53					BONGO
		1426	BE	TRAWL		163	53 55.341	133 22.665		SURFACE TOW					TRAWL

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DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month JUNE **Year** 2006 **Ship** W.E. RICKER **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
29	QCI 02	1541	BE	CTD		164	53° 50.12	133° 13.21	59			1	H.m.	N/A	T: 11.73 S: 32.08
		1542	BO				53° 50.12	133° 13.20		50			↓	↓	BOT@10m - SAL/CHL/NUTS
		1544	EN				53° 50.11	133° 13.23							
		1548	BE	NET		165	53° 50.11	133° 13.31		49					BONGO
		1604	BE	TRAWL		166	53 49.312	133 12.988		SURFACE TOW					TRAWL
29	QCI 03	1717	BE	CTD		167	53° 43.71	133° 05.53	63			1			T: 11.70 S: 32.03
		1718	BO				53° 43.71	133° 05.56		74					BOT@10m - SAL/CHL/NUTS
		1720	EN				53° 43.70	133° 05.58							
		1725	BE	NET		168	53° 43.67	133° 05.66		104					BONGO
		1744	BE	TRAWL		169	53 42 456	133 05.813		SURFACE TOW					TRAWL
29	QCI 04	1901	BE	CTD		170	53° 34.27	133° 03.47	147			1			T: 11.95 S: 32.03
		1904	BO				53° 34.24	133° 03.51		135					BOT@10m - SAL/CHL/NUTS
		1906	EN				53° 34, 22	133° 03, 53							
		1910	BE	NET		171	53° 34, 19	133° 03. 57		133					BONGO
		1928	BE	TRAWL		172	53 33.056	133 03, 343		SURFACE TOW					TRAWL

Cast type:
BOT = bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD
USW = sea water loop
MOR = mooring
NET = net haul
DRF = drifter

bottle firing method:
US = up/stop
UN = up/no stop
DN = down/no stop

Time Code
BE = beginning time of cast
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Transmissometer to be cleaned for each cast, do not use Ammonia products

DAILY LOG

Ocean Sciences and Productivity Division

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Month June **Year** 2006 **Ship** W.E. Ricker **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
29	QCI 05	2043	BE	CTD		173	53° 26.79	132° 54.05	110			1	H.M.	N/A.	T: 11.42 S: 31.89
		2044	BO				53° 26.80	132° 54.08		100			↓	↓	BOTE10m - SAL/CHL/NUTS
		2046	EN				53° 26.80	132° 54.10							
		2050	BE	NET		174	53° 26.78	132° 54.11							BONGO
		2108	BE	TRAWL		175	53 26.069	132 52.754			SURFACE	Tow.			TRAWL
29	QCI 06	2224	BE	CTD		176	53° 18.13	132° 48.80	147			1			T: 11.77 S: 31.99
		2227	BO				53° 18.08	132° 48.84		140					BOTE10m - SAL/CHL/NUTS
		2229	EN				53° 18.06	132° 48.84							
		2234	BE	NET		177	53° 18.05	132° 48.81		139					BONGO
		2253	BE	TRAWL		178	53 16.903	132 47.526			SURFACE	Tow.			TRAWL
30	QCI 07	0040	BE	CTD		179	53° 04.93	132° 35.93	170			1			T: 11.10 S: 31.98
		0043	BO				53° 04.88	132° 36.04		160					BOTE10m - SAL/CHL/NUTS
		0046	EN				53° 04.99	132° 36.07						✱	NO BONGO
		0058	BE	TRAWL		180	53° 04.	132° 36.			SURFACE	Tow.			TRAWL

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11:45
14:15

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Month June **Year** 2006 **Ship** W.E. Ricker **Cruise ID** 2006-22

Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position Latitude	Position Longitude	Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
30	RT05	0205	BE	CTD		181	52° 57.86	132° 30.22	693			1	H.M.	N/A	T: 11.03 S: 32.05
	(QCI 8)	0213	BO				52° 57.74	132° 30.25		500 →	T=4.433 S=34.131				BOT @ 500m - SAL
		0222	EN				52° 57.69	132° 30.19							RICH THOMSON CAST
30	QCI 09	1405	BE	CTD		182	52° 38.44	132° 00.42	140			1			T: 9.63 S: 32.33
		1407	BO				52° 38.46	132° 00.50		130					BOT 10m - SAL/CHL/NUTS
		1410	EN				52° 38.49	132° 00.57							
		1417	BE	NET		183	52° 38.43	132° 00.60		131					BONGO
		1437	BE	TRAWL		184	52 37.797	131 59.343			SURFACE TOW				TRAWL
30	QCI 10	1600	BE	CTD		185	52° 31.96	131° 50.33	189			1			T: 10.00 S: 32.32
		1603	BO				52° 31.98	131° 50.37		180					BOT 10m - SAL/CHL/NUTS
		1607	EN				52° 32.01	131° 50.38							NO BONGO
		1620	BE	TRAWL		186	52 31 429	131 49 501			SURFACE TOW				TRAWL

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Daily_log_book.doc

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48:25
51:00

DAILY LOG

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30	QCI 11	1733	BE	CTD		187	52° 25.89	131° 40.99	172			1	HM.	N.A.	T: 11.51 S: 32.13
		1736	BO				52° 25.86	131° 41.03		165					BOTTOM - SAL/CHL/NUTS
		1739	EN				52° 25.88	131° 41.05							
		1744	BE	NET		188	52° 25.87	131° 41.12		150					BONGO
		1803	BE	TRAWL		189	52 24 850	131 40.000			SURFACE	TOW			TRAWL
30	QCI 12	1922	BE	CTD		190	52° 17.77	131° 32.95	156			1			T: 10.83 S: 32.22
		1924	BO				52° 17.79	131° 32.95		145					BOTTOM - SAL/CHL/NUTS
		1927	EN				52° 17.80	131° 32.95							NO BONGO
		1938	BE	TRAWL		191	52 17 132	131 32.357			SURFACE	TOW.			TRAWL
30	QCI 13	2042	BE	CTD		192	52° 11 36	131° 28 18	614			1			T: 11.03 S: 32.23
	(RT 06)	2050	BO				52° 11.26	131° 28.22		500					BOT @ 500M - SAL
		2059	EN				52° 11.13	131° 28.20							RICH THOMSON CAST
							END OF CRUISE								

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