

DAILY LOG BOOK

MISSION
NUMBER

2005-17

DATE:

From: JUNE 29 to: JULY 8

VESSEL:

M. V. FROSTI

PROJECT:

TRUDEL - Hi SEAS SALMON

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

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month				Year				Ship				Cruise ID			
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments
							Latitude	Longitude							
29/15	HECATE TEST	14:16	BE	CTD		001	52 46.91	130 18.01	243	50	—	—	HM.	✓	CTD TEST
		14:20	BO				52 46.95	130 09.96							
		14:33		BONGO		002	52 47.10	130 09.82	242	20					BONGO TEST
															BONGO
30	FI 01	14:15	BE	BONGO		003	54 47.30	133 03.32	114						CTD
		14:30	BE	CTD		004	54 47.46	133 03.36	122	100		1		✓	
		14:33	BO				54 47.48	133 03.37							
		14:58		TRAWL		005	54.47.125	133 04.605			SURFACE TOW				
30	FI 02	16:19	BE	CTD		006	54 46.49	133 10.97	199	150					
		16:23	BO				54 46.50	133 10.94							
		16:30	BE	BONGO		007	54 46.57	133 10.83	205	150					
		17:00				008	54 46.49	133 10.89			SURFACE TOW				
30	FI 03	18:00	BE	BONGO		009	54 45.71	133 19.05	116	100					
		18:14	BE	CTD		010	54 45.69	133 19.28	130	100					
		18:16	BO				54 45.69	133 19.31							
		18:34		TRAWL		011	54 45.63	133 20.11			SURFACE TOW				

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

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							Latitude	Longitude								
30	F104	1924	BE	CTD	013	012	54 45.07	133 26.81	145	125						
		1926	BO				54 45.07	133 26.92								
30	"	1933	BE	BONGO	012	013	54 45 09	133 27 11	145	110						
		19:58		TRAWL		014	54 44.82	133 27 24	SURFACE Tow.							
	F105	20:56	BE	BONGO		015	54 44.39	133 34.67	195	150						
		21:21	BE	CTD		016	54 44.28	133 34.71	195	150						
		21:24	BO				54 44.28	133 34.78								
		2147		TRAWL			54 44 33	133 34 59	SURFACE Tow.							
30	F106	2242	BE	BONGO		018	54 43.64	133 42 46	221	150						
		2256	BE	CTD		019	54 43.82	133 42 41	214	150						
		2259	BO				54 43.86	133 43.01								
		2323				020	54 43 68	133 42 45	SURFACE Tow.							
30	F107	00:21		BONGO		021	54 42 92	133 50.17	226	150						
		00:33	BE	CTD		022	54 43.06	133 50.29	225	150						
		00:36	BO				54 43.10	133 50.32								
		00:58		TRAWL		023	54 42.85	133 49.96	SURFACE Tow.							

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							Latitude	Longitude								
JULY	DE 06	13:01	BE	BONCO		024	54 14.49	132 55.50	130	110						
		13:14	BE	CTD		025	54 14.57	132 55.23	165	150						NICE DAY
		13:16	BO				54 14.58	132 55.19								
		13:36		TRAWL		026	54 14.485	132 55.433	136		SURFACE	TOW				
1	DE 05	14:47	BE	BONCO		027	54 10.75	132 45.70	61	40						
		14:55	BE	CTD		028	54 10.79	132 45.72	63	50						
		14:57	BO				54 10.79	132 45.72								
		15:11		TRAWL		029	54 10.86	132 45.59	67		SURFACE	TOW				
1	DE 04	16:53	BE	BONCO		030	54 07.87	132 28.13	53	40						
		17:01	BE	CTD		031	54 07.82	132 28.09	52	40						
		17:02	BO				54 07.81	132 28.09								
		17:25		TRAWL		032	54 07.85	132 27.9			SURFACE	TOW				
1	DE 03	18:48	BE	BONCO		033	54 08.34	132 11.68	46	35						
		18:57	BE	CTD		034	54 08.35	132 11.57	45	40						
		18:58	BO				54 08.35	132 11.57								
		19:14		TRAWL		035	54 08.47	132 11.61			SURFACE	TOW				
1	DE 02	20:28	BE	BONCO		036	54 08.60	131 57.87	48	40						
		20:36	BE	CTD		037	54 08.62	131 57.90	48	40						
		20:37	BO				54 08.62	131 57.90								

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Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	# of Bottles	Watch keepers	Trans. cleaned	Comments	
July 1	DE 01	22:45	BE	BONGO		39	54 15.30	131 39.53	116	105						
		22:56	BE	CTD		40	54 15.19	131 39.36	113	180						
		22:58	BO				54 15.16	131 39.32								
July 2																
July 3	H 06	12:55	BE	BONGO		42	52 29.04	130 28.80	172	150						
	" "	13:09	BE	CTD		43	52 29.18	130 28.46	177	150						
	" "	13:12	BO				52 29.20	130 28.39								
		13:30		TRAWL		44	52 28.88	130 28.5								
	H 05	15:00	BE	BONGO		45	52 25.56	130 13.04	329	150						
		15:13	BE	BONGO		45	52 25.69	130 12.83	324	150						RE DO
		15:30	BE	CTD		46	52 25.91	130 12.59	322	150						
		15:33	BO				52 25.95	130 12.54								
				TRAWL		47	52	130								
2	H 04	18:01	BE	BONGO		48	52 22.20	129 57.66	200	150						
		18:17	BE	CTD		49	52 22.21	129 57.35	198	150						
		18:19	BO				52 22.21	129 57.28								
		18:36		TRAWL		50	52 22.167	129 57.37								
2	H 03	19:55	BE	BONGO		51	52 18.88	129 41.96	200	150						
		20:10	BE	CTD		52	52 18.75	129 41.62	192	150						

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July 1	D50'	23:27	Trawl	41	54	15.16	131	39.32.		SURFACE TOW
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SURFACE TOWARD

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							Latitude	Longitude								
2	H 03	20:13	BO	CTD		52	52 18.72	129 41.53	1							
		20:33				53	52 18.72	129 41.82			SURFACE		Tow			
"	H 02	21:52	BE	BONGO		54	52 15.70	129 26.28	185	150						
"	"	22:04	BE	CTD		55	52 15.62	129 25.98	178	150						
		22:07	BO				52 15.59	129 25.89								
		22:26		TRAWL		56	52 15.44	129 26.07			SURFACE		Tow			
2	H 01	23:47	BE	BONGO		57	52 12.30	129 10.75	160	150						
		00:02	BE	CTD		58	52 12.30	129 10.35	158	140						
		00:05	BO				52 12.30	129 10.26								
		00:24		TRAWL		59	52 12.22	129 10.42			SURFACE		Tow			

3	T 01	13:00	BE	BONGO		60	51 16.74	128 20.09	75	65						
		13:10	BE	CTD		61	51 16.91	128 20.12	76	65						
		13:11	BO				51 16.94	128 20.12								
		13:35		TRAWL		62	51 16.23	128 19.29			SURFACE		Tow			
3	T 02	14:50	BE	BONGO		63	51 12.33	128 27.93	190	150						
		15:04	BE	CTD		64	51 12.65	128 27.98	190	150						
		15:07	BO				51 12.73	128 28.00								
				TRAWL		65	51	128			SURFACE		Tow			

Cast type: USW = sea water loop bottle firing method: Time Code:

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							Latitude	Longitude								
4	VI01	16:03	BE	BOMGO		66	50 33.11	128 17.95	56	40						
		16:14	BE	CTD		67	50 33.40	128 18.03	55	40						
		16:16	BO				50 33.46	128 18.05								
		16:40		TRAWL		68	50 32.76	128 17.65								
4	VI02	18:30	BE	BOMGO		69	50 28.94	128 13.01	58	45					SURFACE Trawl	
		18:38	BE	CTD		70	50 29.28	128 13.16	53	45						
		18:40	BO				50 29.22	128 13.17								
		19:03		TRAWL		71	50 28.45	128 12.79							SURFACE Trawl	
4	VI03	20:47	BE	BOMGO		72	50 25.37	128 07.59	73	60						
		20:57	BE	CTD		73	50 25.57	128 07.65	68	55						
		20:58	BO				50 25.58	128 07.68								
		21:04		TRAWL		74	50 24.83	128 07.24							SURFACE Trawl	
4	VI04	22:55	BE	BOMGO		75	50 21.25	128 03.51	72	60						
		23:04	BE	CTD		76	50 21.94	128 03.58	71	60						

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							Latitude	Longitude							
4	VT04	23:05	BO	CTD			50 21.46	128 03.58							
		23:29		TRAWL		77	50 20.65	128 03.40			SURFACE		Tow		
4	VT05	01:10	BE	BONGO		78	50 16.33	128 01.16	60	50					
		01:18	BE	CTD		79	50 16.58	128 01.18	65	50					
		01:19	BO				50 16.61	128 01.18							
		0:47		TRAWL		80	50 15.16	128 00.32			SURFACE		Tow		
5	EP 07	13:00	BE	BONGO		81	49 08.05	126 59.04	470	150					
		13:14	BE	CTD		82	49 08.13	126 59.03	450	150					
		13:16	BO				49 08.12	126 59.01							
		13:35		TRAWL		83	49 08.05	126 59.05			SURFACE		Tow		
	EP 06	14:29	B.F.	BONGO		84	49 10.14	126 54.38	187	150					
		14:43	B.F.	CTD		85	49 10.33	126 54.45	185	150					
		14:46					49 10.37	126 54.45							
		15:04		TRAWL		86	49 10.223	126 54.26			SURFACE		Tow		
5	EP 05	16:04		BONGO		87	49 12.27	126 49.81	143	130					
		16:18		CTD		88	49 12.44	126 50.05	145	130					
		16:21					49 12.45	126 50.07							
		16:39		TRAWL		89	49 12.37	126 49.78			SURFACE		Tow		

Cast type:

USW = sea water loop

bottle firing method:

Time Code

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							Latitude	Longitude								
5	EP04	17:40	BE	BONGO		90	49 14.53	126 45.43	120	110						
		17:52	BE	CTD		91	49 14.78	126 45.57	120	110						
		17:54	BO				49 14.80	126 45.58								
		18:11		Trawl		92	49 14.63	126 45.25								
5	EP03	19:11	BE	BONGO		93	49 16.75	126 40.82	110	100					SURFACE Trawl	
		19:23	BE	CTD		94	49 17.06	126 41.12	112	100						
		19:25	BO				49 17.10	126 41.18								
		19:52		Trawl		95	49 16.93	126 39.90							SURFACE Trawl	
5	EP02	21:20	BE	BONGO		96	49 18.98	126 36.74	84	70						
		21:31	BE	CTD		97	49 19.27	126 36.89	85	80						
		21:33	BO				49 19.21	126 36.89								
		22:03		Trawl		98	49 18.922	126 35.65							SURFACE Trawl	
5	EP01	23:40	BE	BONGO		99	49 21.08	126 31.72	32	20						
		23:48		CTD		100	49 21.26	126 31.97	32	25						
		23:49					49 21.27	126 31.99								
56		00:32		Trawl		101	49 20.113	126 29.6							SURFACE Trawl	

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6	VI06	13:15	BE	BON66		102	48 19.04	126 10.23	195	150					
		13:29	BE	CTB		103	48 19.11	126 10.10	198	150					
		13:32	BO				48 19.13	126 10.07							
		13:50		TRAWL		104	48 19.02	126 10.64			SURFACE TOW				
*	VI07	15:08	BE	CTB	*	105	48 24.40	126 01.02	184	150	* NO - GOOD			CTD FAILED	
		15:11	BO				48 24.41	126 00.97							
		15:34				106	48 24.58	126 00.78			SURFACE TOW				
6	VI08	16:50	BE	BON66		107	48 29.77	125 51.98	105	95					
		16:59	BE	CTB		108	48 29.89	125 51.86	103	90					
		17:02	BO				48 29.91	125 51.84							
		17:18				109	48 29.8	125 51.74			SURFACE TOW				
6	VI09	18:33	BE	CTB		110	48 35.15	125 42.73	66	50	* NO GOOD			CTD FAILED	
		18:34	BO				48 35.16	125 42.72							
		18:49		TRAWL		111	48 35.164	125 42.680			SURFACE TOW				
6		19:36	BE	CTB		110	48 36.01	125 38.72	124	100	RE DO	*			RE DO VI09 CTD
		19:38	BO				48 36.01	125 38.68							

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