

Additional comments

* QCS06 - CTD NET ONE. THEREFORE QCS06 #282 AND QCS07 #280 MAY BE
IN ONE FINE

QCS05 - SW off page 16.

QCS06 - W off page 16.

QCS07 - SW off ROCKING HORSE J.

DAILY LOG

Ocean Sciences and Productivity Division

INSTITUTE OF OCEAN SCIENCES

Month <u>July</u>				Year <u>2009</u>				Ship <u>USFV</u> <u>W. K. Kellogg</u> <u>Storm</u>				Cruise ID <u>200941</u>			
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							
3	GS04	1937	BE	CTD		292	49 57.07	125 05.84	231	215		1			Sol + Net @ 10m
		1948	EN				49 57.00	125 05.71							
		1950	BE	Bongo		293	49 57.06	125 05.60	238	150					
		1958	EN				49 57.00	125 05.66							
3	GS05	2026	BE	Bongo		294	49 53.63	125 03.37	140	130					
		2032	EN				49 53.66	125 03.35	1						
		2036	BE	CTD		295	49 53.67	125 03.35	145	130		1			Sol + Net @ 10m
		2043	EN				49 53.74	125 03.33							
3	GS06	2117	BE	CTD		296	49 54.02	124 56.50	143	130		1			Sol + Net @ 10m
		2123	EN				49 54.04	124 56.43							
		2126	BE	Bongo		297	49 54.04	124 56.40	146	135					
		2133	EN				49 54.05	124 56.37							
3	GS07	2203	BE	Bongo		298	49 49.95	124 56.16	190	150					
		2211	EN				49 49.95	124 56.17							
		2213	BE	CTD		299	49 49.95	124 56.17	190			1			Sol + Net @ 10m
		2225	EN				49 49.96	124 56.16							

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MOR = mooring
NET = net haul
DRF = drifter

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Additional comments

GS04	-	GS-SOUTH	off	C. MURK	STAT AREA	14
GS05	-	GS-E	off	Oyster R.	STAT AREA	14
GS06	-	GS-W	off	SAVARY I	STAT AREA	14
GS07	-	GS-E	off	MIRAGE BAY	STAT AREA	14

DAILY LOG

Ocean Sciences and Productivity Division

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Month <i>July</i>				Year <i>2009</i>				Ship <i>CFV Viking Storm</i>				Cruise ID <i>2009 21</i>				
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								
3	G508	2256	BE	CTD		300	49 49.66	124 49.75	296	250		1			Sol + Nut @ 10m	
		23 10	EN				49 49.56	124 49.58								
		23 12	BE	Bongo		301	49 49.55	124 49.56	296	150						
		23 20	EN				49 49.50	124 49.47								
3	G509	23 51	BE	Bongo		302	49 48.56	124 42.81	157	140						
		23 58	EN				49 48.80	124 42.83								
H		00 00	BE	CTD		303	49 48.80	124 42.84	159	145		1			Sol + Nut. @ 10m	
H		00 10	EN				49 48.83	124 42.91								
H	G510	00 48	BE	CTD		304	49 49.97	124 34.85	257			1			Sol + Nut. @ 10m.	
		01 03	EN				49 49.95	124 34.79								
		01 05	BE	Bongo		305	49 49.95	124 34.79	258	150						
		01 13	EN				49 49.95	124 34.75								
4	G511	14 20	BE	CTD		306	49 46.09	124 29.88	318	250		1			Sol + Nut @ 10m	
		14 44	EN				49 46.05	124 29.65								
		14 47	BE	Bongo		307	49 46.04	124 29.6	318	150						
		14 54	EN				49 46.0	124 29.5								

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Additional comments

GS08	-	W	OFF	HARWOOD I	STAT AREA	14
GS09	-	SW	OFF	HARWOOD I	STAT AREA	14
GS10	-	W	OFF	POWELL R.	STAT AREA	15
GS11	-			MEAL SPINA S,	STAT AREA	15

DAILY LOG

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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
							Latitude	Longitude							
4	GS12	1835	BE	Bongo		308	49 43.7	124 20.7	317	750					
		1842	EN				49 43.69	124 20.6							
		1846	BE	CTD		309	49 43.68	124 20.5	319	250					
		1601	EN				49 43.64	124 20.20							
7	GS13	1645	BE	Bongo		310	49 38.68	124 14.28	344	250		1			Sol + Nut @ 10m
		1659	EN				49 38.42	124 14.20							
		1701	BE	Bongo		311	49 38.4	124 14.19	344	180					
		17	EN				49 38	124 14.							
4	GS14	1752	BE	Bongo		312	49 33.31	124 07.56	366	750					
		1800	EN				49 33.22	124 07.49							
		1802	BE	CTD		313	49 33.20	124 07.48	366	250		1			Sol + Nut @ 10m
		1818	EN				49 33.08	124 07.30							
4	GS15	1911	BE	CTD		314	49 25.86	124 01.79	394	250		1			Sol + Nut @ 10m
		1927	EN				49 25.83	124 01.78							
		1929	BE	BONED		315	49 25.83	124 01.78	396	150					
		1936	EN				49 25.84	124 01.82							

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Additional comments

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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
							Latitude	Longitude							
4	GS16	2011	BE	Bongo		316	49 23.53	124 08.08	275	150					
		2019	EN				49 23.54	124 08.06							
		2022	BE	CTD		317	49 23.54	124 08.05	276	250		1			Sd + Nut @ 10m
		2037	EN				49 23.47	124 07.88							
4	GS17	2112	BE	CTD		318	49 22.21	124 15.25	293	250		1			Sd + Nut. @ 10m
		2128	EN				49 22.14	124 15.07							
		2139	BE	Bongo		319	49 22.13	124 15.06	246	150					
		2137	EN				49 22.11	124 14.94							
4	GS18	2247	BE	Bongo		320	49 26.47	124 28.44	333	150					
		2255	EN				49 26.40	124 28.31							
		2257	BE	CTD		321	49 26.39	124 28.30	331	250		1			Sd + Nut @ 10m
		2313	EN				49 26.19	124 28.07							
4	GS19	2348	BE	CTD		322	49 31.15	124 27.86	191	180		1			Sd + Nut @ 10m
5		0000	EN				49 31.00	124 27.76							
5		0002	BE	Bongo		323	49 30.99	124 27.74	191	150					
5		0010	EN				49 30.92	124 27.62							

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Additional comments

GS16	-	S off	APSAQUET	STAT AREA	17.
GS17	-	E off	QUANICOM BEACH	STAT AREA	18
GS18	-	W off	APSAQUET	STAT AREA	19.
GS19	-	NW off	APSAQUET	STAT AREA	20

DAILY LOG

Ocean Sciences and Productivity Division

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Month <i>July</i>				Year <i>2009</i>			Ship <i>OFV VIKING STORM</i>			Cruise ID <i>2009 41</i>					
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							
5	GS20	0046	BE	Bongo		324	49 32.97	124 34.83	176	150					
		0055	EN				49 32.90	124 34.74							
		0059	BE	CTD		325	49 32.87	124 34.71	176	165					Sol + Nut @ 10m
		0108	EN				49 32.79	124 34.63							
5	GS21	0139	BE	CTD		326	49 36.61	124 33.98	134	125					Sol + Nut @ 10m
		0143	EN				49 36.55	124 33.87							
		0149	BE	BONGO		327	49 36.53	124 33.84	138	125					
		0157	EN				49 36.48	124 33.73							
5	GS22	0232	BE	BONGO		328	49 38.00	124 40.63	121	110					
		0237	EN				49 37.96	124 40.54							
		0241	BE	CTD		329	49 37.95	124 40.47	122	110					Sol + Nut @ 10m
		0247	EN				49 37.92	124 40.36							
5	GS23	1314	BE	CTD		330	49 22.44	123 58.65	342	250					Sol + Nut @ 10m
		1330	EN				49 22.26	123 58.39							
		1332	BE	Bongo		331	49 22.24	123 58.37	324	150					
		1340	EN				49	123							

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Additional comments

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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
							Latitude	Longitude							
5	GS24	1406	BE	Bongo		332	49 18.98	123 54.51	405	150					
		1416	EN				49 18.84	123 54.28							
		1418	BE	CTD		333	49 18.82	123 54.23	408	250		1			Sol. + Nut @ 10m
		1433	EN				49 18.67	123 53.77							
5	GS25	1508	BE	CTD		334	49 22.66	123 48.77	182	170		1			Sol + Nut @ 10m
		1520	EN				49 22.56	123 48.29							
		1522	BE	BONGO		335	49 22.55	123 48.29	182	150					
		1530	EN				49 22.52	123 48.30							
5	GS26	1613	BE	BONGO		336	49 18.80	123 40.66	119	105					
		1618	EN				49 18.71	123 40.62							
		1620	BE	CTD		337	49 18.77	123 40.61	121	110		1			Sol + Nut @ 10m
		1629	EN				49 18.80	123 40.52							
5	GS27	1715	BE	CTD		338	49 17.04	123 29.89	186	175		1			Sol + Nut @ 10m
		1727	EN				49 17.03	123 29.64							
		1729	BE	BONGO		339	49 17.03	123 29.59	185	150					
		1737	EN				49 16.98	123 29.47							

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Additional comments

GS24	-	E	OK	Handover	STAT AREA 14
GS25		W	OK	SECRET	STAT AREA 29
GS26		W	OK	Gibson	STAT AREA 29
GS27		W	OK	Boukoe I	STAT AREA 29

DAILY LOG

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Month <i>July</i>			Year <i>2009</i>				Ship <i>CFV Vikinga Swan</i>				Cruise ID <i>200941</i>				
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							
5	GS28	1848	BE	Bongo		340	49 07.23	123 21.24	149	135					
		1854	EN				49 07.13	123 21.16							
		1858	BE	CTD		341	49 07.12	123 21.16	148	135					Sol + Nut @ 10m
		1905	EN				49 07.13	123 21.17							
	GS29	1952	BE	CTD		342	49 00.93	123 16.94	149	140					Sol + Nut @ 10m
		2000	EN				49 01.07	123 17.08							
		2002	BE	Bongo		343	49 01.08	123 17.09	148	135					
		2009	EN				49 01.25	123 17.30							
	GS30	2038	BE	Bongo		344	49 00.75	123 23.98	278	150					
		2046	EN				49 00.83	123 24.17							
		2047	BE	CTD		345	49 00.85	123 24.20	284	250					Sol + Nut @ 10m
		2105	EN				49 00.96	123 24.55							
	GS31	2147	BE	CTD		346	49 07.14	123 28.24	324	250					Sol + Nut @ 10m
		2204	EN				49 07.10	123 28.34							
		2206	BE	BONGO		347	49 07.10	123 28.34	327	150					
		2213	EN				49 07.17	123 28.41							

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Additional comments

BS 28	-	W	over	Richmond	STAT AREA 29
BS 29	-	W	over	TSAWASSKIL	STAT AREA 29
BS 30	-	K	over	Chariando	STAT AREA 29
BS 31	-	K	over	Ryhadras	STAT AREA 29

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9832 - E OK Planning STAT AREA 99.