

Institution: PBS

Net#: 01

Tow Type: Vertical

Flowmeter Serial#: 6069

Bongo Event #	CTD Event #	Station ID	Date	Start Time	End Time	Latitude	Longitude	Bottom Depth	Target Depth	Wire Out	Wire Angle	Flowmeter Start	Flowmeter Finish	Sampling Conditions*
003	002	1	SEP 12	0825		49° 26 536	124° 03 906	395	250					
003	007	5		1431		49° 23 016	123° 48 431	187	170					
008		↓		1443		49° 22 870	123° 48 328	186	170			05830	07312	3
	013	9		1912		49° 19 611	123° 32 466	155	140					
014		↓	✓	1921		49° 19 648	123° 32 189	156	140		10	07312	08995	3
	016	10	SEP 13	0810		49° 14 392	123° 27 559	300	250					Gabriel 15
017		↓		0824		49° 14 321	123° 27 481	300	250			9000	11340	3
	eDNA	14A		1250		49° 11 683	123° 42 756							
	↓	14B		1354		49° 11 179	123° 45 170							
	022	14		1353		49° 11 781	123° 45 174	109	100					
023		↓		1402		49° 11 093	123° 44 998	118	105			111380	12520	3
	eDNA	18A		1830		49° 18 125	123° 41 430							
	↓	18B	✓	1900		49° 18 050	123° 38 844							
	↓	19A	SEP 14	0757		49° 26 215	123° 27 349							
	↓	19B		0756										
	029	19		0756		49° 26 276	123° 27 331	88	70					
030		↓		0803		49° 26 257	123° 27 367	88	70			12590	12980	4
	035	23		1222		49° 21 948	123° 18 373	219	210					
036		↓		1237		49° 21 746	123° 18 393	210	200		10	12980	15175	4
	eDNA	↓		1223		49° 21 938	123° 18 349	2						
	↓	27A		1728		49° 02 770	123° 17 664							
	↓	B		1800		49° 02 072	123° 16 975							
	041	↓		1759		49° 02 076	123° 16 978	116	100					
042		↓	✓	1808		49° 02 000	123° 16 827	118	110			15380	16430	4

NOTES: #5 eDNA 14:32 Start 49° 23 003 123° 48 427 #9 eDNA 19:14 49° 19.614 123° 32 455 #10 eDNA 08322 49° 14 883 123° 27 556 WEIGHT LINE CAUGHT
MID FRAME #23 STRONG CURRENT DAS

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	044	28	SEP 15	0756		49° 01 368	123° 28 065	280	250					FLTD LAP OFF
045		↓		0809		49° 01 176	123° 27 978	265	250		10	16335	18370	3
	eDNA	↓		0758		49° 01 358	123° 28 067							
	049	31		1122		48° 56 148	123 18 497	180	170					
050		↓		1135		48° 56 125	123 18 550	180	170		10	18370	19820	4
	eDNA	↓		1123		48° 56 150	123 18 502							
	054	34		1624		48 49 576	123 04 754	192	180					
055		↓		1636		48° 49 562	123 04 507	195	180		0	19820	21060	4
	eDNA	↓ A	↓	1530		48° 51 764	123° 08 470							SURFACE
	↓	↓ B	↓	1625		48° 49 572	123° 04 752							
	057	35	SEP 16	0750		48 28 117	124° 20 261	68	60					
058		↓		0759		48° 28 201	124° 20 385	70	60		0	21060	21450	4
	eDNA	↓ B	↓	0751		48° 28 123	124° 20 268							
	064	40		1436		48 18 266	123 49 057	172	160					
065		↓		1446		48 18 160	123° 49 123	175	160		10	21450	22760	4
	eDNA	↓ A		13:30		48° 19 548	123° 51 342							60m
	↓	B		14:38		48° 18 254	123° 49 061							
	067	41		19:29		48 29 511	123° 16 269	56	50					
068		↓	↓	19:35		48° 29 337	123° 16 272	54	45		2060	22760	23040	4
	070	42	SEP 17	0746		48 44 998	123° 20 658	60	50					
071		↓		0754		48 44 797	123° 20 607	68	60		0	23040	23560	4
	eDNA	↓ B		0747		48 44 987	123° 20 651							
	↓	45 A		1117		48° 42 786	123° 27 529							SURFACE
	076	↓ B	↓	1209		48° 42 246	123° 30 171							

NOTES: #28 NET FLIPPED ENDS CAUGHT ON ROPE #31 NET WEIGHT REPLACED

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077	076	46	SEP 17	1207		48° 42' 24.4	123° 30' 16.1	69	60					
077		↓		1216		48° 42' 25.3	123° 30' 34.2	68	60		0	23560	23990	3
	079	48		1425		48° 44' 77.1	123° 36' 15.0	55	45					
080		↓		1430		48° 44' 76.0	123° 36' 16.4	↓	↓		0	23990	24280	4
	eDNA	↓		1428		48° 44' 76.9	123° 36' 15.4							
	↓	↓		1510		48° 44' 67.2	123° 34' 74.9							
	085	51		1843		48° 48' 77.4	123° 35' 57.7	90	80					NAPEE BAY
086		↓	↓	1850		48° 48' 76.4	123° 35' 58.7	↓	↓		0	24280	24772	4
	eDNA	52 A	SEP 18	0707		48° 51' 58.8	123° 34' 51.8							SURFACE
	↓	B		0804		48° 53' 94.0	123° 37' 20.1							
	088			0811		48° 53' 99.6	123° 37' 13.0	171	160					
089		↓		0818		48° 54' 05.8	123° 37' 08.9	158	150		0	24772	25755	4
	eDNA	55 A		1220		49° 05' 88.0	123° 42' 38.9							SURFACE
	↓	B		1304		49° 04' 28.1	123° 40' 54.0							
	093			1303		49° 04' 28.5	123° 40' 53.7	57	50					
094		↓		1311		49° 04' 21.5	123° 40' 56.4	58	50		0	2555	26110	4
	097	57		15:54		49° 08' 61.8	123° 49' 62.9	58	50					
098		↓	↓	16:00		49° 08' 64.7	123° 49' 64.3	60	50		0	26110	26460	4
	eDNA	58 A	SEP 19	0718		49° 48' 52.3	124° 33' 97.8							SURFACE
	↓	B		0800		49° 46' 25.6	124° 32' 57.4							
	099			0817		49° 46' 29.2	124° 32' 52.6	294	250					
100		↓		0830		49° 46' 27.2	124° 32' 56.0	288	250		0	26460	28068	3
	105	61		1203		49° 43' 44.9	124° 18' 30.2	145	135					
106	↓	↓	↓	1212		49° 43' 46.8	124° 18' 36.0	145	135		0	28068	28898	4

NOTES:

*Sampling Conditions are judged on a 0-5 scale. 0: Bongo operation cancelled due to weather/sea conditions; 1-4: Bongo operation sub-optimal due to weather/sea conditions/execution; 5 - Perfect sampling conditions & execution. Additional information may be given to justify the rating.

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	112	66	SEP 19	1822		49° 27 321	124° 07 048	330	250					
113		↓	↓	1833		49° 27 288	124° 07 080	322	250		0	28898	30348	4
	115	67	SEP 20	0820		49° 21 561	124° 12 161	301	250					
116		↓		0835		49° 21 575	124° 12 053	303	250		30	30375	33210	2
	121	71		1330		49 25 628	124 24 751	341	250					
122		↓		1343		49° 24 939	124° 24 646	339	250		10	33225	35090	3
	127	75		1824		49° 27 765	124° 37 357	151	140					
128		↓	↓	1834		49° 27 787	124° 37 346	152	140		0	35090	35865	4
	133	79	SEP 21	1140		49° 35 639	124° 22 807	214	200					
134		↓		1153		49° 35 008	124° 22 743	209	200		10	35865	37260	4
	141	85		1853		49° 35 758	124° 45 478	83	75					
142		↓	↓	1900		49° 35 822	124° 45 464	82	70		0	37260	37722	4
	144	86	22 SEP	0802		49° 45 200	124° 49 800	155	145					
145		↓		0811		49° 45 188	124° 49 789	153	140		10	37722	38625	4
	148	88		1025		49° 48 003	124° 41 160	143	130					
149		↓		1033		49° 47 957	124° 41 212	151	140		0	38625	39420	4
	156	94		1728		49° 56 724	124° 02 040	229	210					
157		↓	↓	1739		49° 56 758	124° 02 005	220	210		0	39420	40630	4
	159	95	23 SEP	08:05		50° 00 229	125° 05 885	260	250					
160		↓		08:15		50° 00 214	125° 05 924	260	250		0	40630	42357	4
162	162	97		10:52		49° 57 146	124° 56 836	149	140					
163		↓		10:59		49° 57 163	124° 56 863	147	135		10	42357	435057	4
	171	103		18:22		50° 05 900	124° 49 412	301	250					
172		↓	↓	18:35		50° 05 866	124° 49 426	301	250		0	43305	44902	4

NOTES: #67 DAS STRONG WIND #75 Set half time due to Engine Failure
less than

BONGO TOW FORMS CRUISE- 2017-53

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[illegible]

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Additional information may be given to justify the rating.