

CTD - BONGO NET TOW LOG

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Survey: 2021-048 Institution: PBS Month: 6 Net#: 01 Flowmeter Serial#: 2020 Hand held GPS here water properties used

Event	Station	Day	Time PDT	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Angle	Flow Start	Flow Finish	Sampling Condition	Comment
001	1	16	0700	BE	CTD	48	43	516	123	25	201	244							
↓			0705	BO	↓	48	50	498	123	07	459		244						
↓			0712	EN	↓	48	50	506	123	07	444								
002	1	16	0842	BE	NET	48	50	540	123	07	431	234	224		5	5010			mechanical issues up to Redo
↓			0849	BO	↓	48	50	533	123	07	420	234	224						
↓			0853	EN	↓	48	50	538	123	07	420	233			5	5950	5950		wire angle ~5°
003	7	16	1046	BE	NET	48	55	577	123	21	844	148				5950			
↓			1050	BO	↓	48	55	572	123	21	796	148	138						
↓			1053	EN	↓	48	55	571	123	21	780	144				6702	6702		
004		16	1117	BE	CTD	48	55	604	123	22	017	150							Issue with NMEA system
↓			1122	BO	↓	48	55	615	123	22	004	150	145						and GPS; using handheld / ship
↓			1125	EN	↓	48	55	585	123	22	969	150							
005	2	16	1232	BE	CTD	49	01	625	123	22	796	247							
↓			1237	BO	↓	49	01	566	123	22	826	247	242						
↓			1241	EN	↓	49	01	521	123	22	862	240							
006		16	1249	BE	NET	49	01	507	123	23	052	242				6702			
↓			1257	BO	↓	49	01	466	123	23	119	242	232						
↓			1302	EN	↓	49	01	464	123	23	101	253					8042		
007	12	16	1500	BE	CTD	49	17	064	123	29	929	187							
↓			1503	BO	↓	49	17	070	123	29	933		182						
↓			1507	EN	↓	49	17	068	123	29	925								
008		16	1513	BE	NET	49	17	085	123	29	940	186			5	8042			currents + wire angle 5°
↓			1519	BO	↓	49	17	088	123	29	909		176						
↓			1522	EN	↓	49	17	134	123	29	917						9062		
009	3	16	1655	BE	CTD	49	22	156	123	47	834	204							
↓			1658	BO	↓	49	22	140	123	47	923		199						
↓			1702	EN	↓	49	22	132	123	47	961								

*Time Code: BE/EN, Event Type: CTD NET SET, Sampling conditions are judged on a 0-5 scale. 0: cancelled due to weather/sea conditions; 1-4: sub-optimal due to conditions; 5: perfect conditions. Bongo ends - A: flowmeter side, 8/1.7/1.0/0.25 mm, frozen; B: non flowmeter side, picked

CTD - BONGO NET TOW LOG

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Event	Station	Day	Time (EDT)	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Angle	Flow Start	Flow Finish	Sampling Condition	Comment
010	3	16	17:10	BE	Net	49	22	145	123	48	094	187				9062			
			17:17	BO		49	22	164	123	48	127		177		0				
	↓		17:20	EN	↓	49	22	167	123	48	141	185				10	10000		
011	4	16	18:19	BE	CTD	49	16	682	123	46	013	402							
			18:25	BO		49	16	677	123	46	008		250		0				
			18:29	EN	↓	49	16	686	123	46	012	396							
012	4	16	18:38	BE	Net	49	16	686	123	46	020	402				10000			
			18:47	BO		49	16	715	123	46	060		250		0			5	
			18:52	EN	↓	49	16	737	123	46	078						11308		END OF DAY
014	10	17	07:09	BE	NET	49	59	407	125	03	689	237				11310			
	↓		07:17	BO		49	59	408	125	03	672		227		0				
	↓		07:22	EN		49	59	400	125	03	663	237					12510		
016	9		09:25	BE		49	55	371	124	55	415	227				12510			
	↓		09:33	BO		49	55	378	124	55	428		217		0				
	↓		09:37	EN		49	55	382	124	55	447						13662		
018	8		11:20	BE		49	45	466	124	46	210	338				13662			
			11:29	BO		49	45	465	124	46	209		250		0				
			11:34	EN		49	45	470	124	46	209						14986		
020	6		14:16	BE		49	28	101	124	30	002	318	338			14986			
			14:24	BO		49	28	128	124	29	923		250		3				
			14:29	EN		49	28	154	124	29	894						16354		
022	5		16:53	BE		49	21	998	124	05	015	238	238			16354			
			17:01	BO		49	22	016	124	05	004		228		0				
			17:05	EN		49	22	026	124	05	004						17586		End of DAY
026	2		11:28	BE		49	16	567	123	37	220	274			30	17586		3	STRONG WIND/CURRENT
	↓		11:37	BO		49	16	566	123	37	229		250		0				
	↓		11:42	EN		49	16	552	123	37	240				5	18902			
031	5		17:32	BE		49	24	024	123	42	564	171			0	18902		4	
	↓		17:39	BO		49	24	021	123	42	565		161		0				
	↓		17:41	EN	↓	49	24	031	123	42	549				0	19765			END OF DAY

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Survey: 2021-048

Institution: PBS

Month: 6

Net#: 01

Flowmeter Serial#: 2020

Event	Station	Day	Time PPT	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Angle	Flow Start	Flow-Finish	Sampling Condition	Comment
035	8	19	1057	BE	NET	49	25	662	123	52	551	213			10	19765		4	NOCTD
↓	↓	↓	1105	BO	↓	49	25	659	123	52	561	213	200		0				
↓	↓	↓	1107	EN	↓	49	25	664	123	52	561	212			5	20650			
041	12		1748	BE	NET	49	37	085	124	08	410	215	205		0	20650		5	
↓	↓	↓	1755	BO	↓	49	37	095	124	08	463				0				
↓	↓	↓	1758	EN	↓	49	37	105	124	08	472				5	21778			END OF DAY
050	19	20	1723	BE	NET	49	46	101	124	32	447	251			0	21778		5	
↓	↓	↓	1733	BO	↓	49	46	092	124	32	459	248	240		0				
↓	↓	↓	1738	EN	↓	49	46	081	124	32	441	246			0	23048			END OF DAY
058	25	21	1526	BE	NET	50	05	776	125	07	372	249	239		30	23048		4	
↓	↓	↓	1534	BO	↓	50	05	774	125	07	390	251			0				
↓	↓	↓	1538	EN	↓	50	05	768	125	07	406	251			10	23060*			Flowmeter malfunction
061	26	21	1737	BE	NET	50	07	688	125	06	308	283	250		5	23060		4	
↓	↓	↓	1746	BO	↓	50	07	708	125	06	340	289			0				
↓	↓	↓	1748	EN	↓	50	07	735	125	06	360	295			0	24420			END OF DAY
066	29	22	1015	BE	NET	50	17	144	125	25	045	155	145		20	24420		3	STRONG WIND
↓	↓	↓	1020	BO	↓	50	17	121	125	25	018	155			5				
↓	↓	↓	1023	EN	↓	50	17	100	125	25	011	156			10	25214			
070	31	22	1427	BE	NET	50	27	046	125	17	843	305	250		5	25214		4	
↓	↓	↓	1437	BO	↓	50	27	065	125	17	727	306			0				
↓	↓	↓	1440	EN	↓	50	27	063	125	17	710	306			5	26518			
074	33	23	0757	BE	NET	50	41	694	124	53	305	539	250		0	26518		4	
↓	↓	↓	0807	BO	↓	50	41	672	124	53	309	539			0				
↓	↓	↓	0811	EN	↓	50	41	661	124	53	325	539			0	27848			CAUGHT YOY HERRING
079	36	23	1450	BE	NET	50	39	432	124	52	446	589			0	27848		4	
↓	↓	↓	1459	BO	↓	50	39	468	124	52	442	590	250		0				BUTE INLET PHYTOPLANKTON BLOOM SITE
↓	↓	↓	1504	EN	↓	50	39	466	124	52	453	590			0	29160			
089	44	24	1700	BE	NET	49	48	143	124	54	143	144			5	29160		4	
↓	↓	↓	1705	BO	↓	49	48	133	124	54	061	146	134		5				
↓	↓	↓	1707	EN	↓	49	48	142	124	54	053	146			5	29928			

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On Franklin No need seawater hose running because advanced ship system
FOR BONGO

CTD - BONGO NET TOW LOG

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Survey: 2021-048

Institution: PBS

Month: JUNE

Net#: 01

Flowmeter Serial#: 2020

Event	Station	Day	Time	Time Code	Event Type	Latitude			Longitude			Bottom Depth	Target Depth	Wire Out	Angle	Flow Start	Flow-Finish	Sampling Condition	Comment
098	51	25	1516	BE	NET	49	39	765	124	39	921	133			0	29928		5	
↓	↓	↓	1520	BO	↓	49	39	753	124	39	925	132	123	123	0				
↓	↓	↓	1523	EN	↓	49	39	749	124	39	920	132			0	30590			
101	52	25	1734	BE	NET	49	49	268	124	43	791	172			0	30590		5	
↓	↓	↓	1740	BO	↓	49	49	285	124	43	781	170	162	162	0				
↓	↓	↓	1743	EN	↓	49	49	300	124	43	785	169			0	30608			Flowmeter malfunction
107	56	26	1143	BE	NET	49	36	510	124	26	839	333			0	30608		5	
↓	↓	↓	1151	BO	↓	49	36	505	124	26	855	336	250	250	0				
↓	↓	↓	1155	EN	↓	49	36	495	124	26	877	337			10	30640			Flowmeter malfunction!
113	60	26	1753	BE	NET	49	27	811	124	31	001	316			0	30640		5	Down Speed to 40' from 30 to make stopper
↓	↓	↓	1759	BO	↓	49	27	827	124	31	038	313	250	250	0				UP Speed 60 WORK
↓	↓	↓	1805	EN	↓	49	27	846	124	31	075	314			0	30800			
119	64	27	1150	BE	NET	49	27	306	124	35	754	162			0	30800		5	lubricant applied on stopper
↓	↓	↓	1154	BO	↓	49	27	315	124	35	775	162	152	152	0				
↓	↓	↓	1156	EN	↓	49	27	320	124	35	782	162			0	31612			
125	68	28	1122	BE	NET	49	22	050	124	14	221	313			0	31612		5	
↓	↓	↓	1128	BO	↓	49	22	055	124	14	252	313	250	250	0				
↓	↓	↓	1132	EN	↓	49	22	063	124	14	250	313			0	32970			
131	72	28	1750	BE	NET	49	30	003	124	06	277	420			30	32970		4	STRONG CURRENT
↓	↓	↓	1757	BO	↓	49	30	034	124	06	257	420	250	250	0				
↓	↓	↓	1801	EN	↓	49	30	055	124	06	250	420			30	34321			
138	77	29	1337	BE	NET	49	13	837	123	46	177	308			5	34321		4	
↓	↓	↓	1346	BO	↓	49	13	824	123	46	128	316	250	250	0				
↓	↓	↓	1348	EN	↓	49	13	814	123	46	097	318			5	35680			
141	78	30	0932	BE	NET	48	50	002	123	06	251	187			5	35680		4	
↓	↓	↓	0936	BO	↓	48	50	030	123	06	226	188	177		0				
↓	↓	↓	0940	EN	↓	48	50	030	123	06	172	188			10	36710			
147	82	30	1707	BE	NET	48	53	537	123	15	276	188			10	36710		5	
↓	↓	↓	1712	BO	↓	48	53	543	123	15	313	189	170		0				
↓	↓	↓	1716	EN	↓	48	53	549	123	15	327	190			10	37632			

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CTD - BONGO NET TOW LOG

Survey : 2021-048

Institution: PBS

Month: JULY

Net#: 01

Flowmeter Serial#: 2020[illegible]

*Time Code: BE/EN, Event Type: CTD NET SET, Sampling conditions are judged on a 0-5 scale. 0: cancelled due to weather/sea conditions; 1-4: sub-optimal due to conditions; 5: perfect conditions. Bongo ends - A: flowmeter side, 8/1.7/1.0/0.25 mm, frozen; B: non flowmeter side, picked