Date 22 MAY 2217

TRANSPORT Consecutive Station Log: BT12- 41

	Time	Depth	;		4	Interval	duma	Vol. Filtered	Vol. Filtered	B102
Station	(LMI)	(m)	Latitude	Longitude	Interval	Range (m)	Duration	Pump (1)	Pump (2)	CLD
10	0811	(0,0)	38.37,990	76-19.854	B	5.0 - 9.0	11:48			EBS HIK
1 0		10,0	11	1.1	+	0,5- 4,5	10:24	817-085		III TO THE TOTAL
20	0908	8.0	38,38.956	76.16.496	8	0.t -0.4	せのさ	626-656		Olly the State of
92		8.0	1.1		-	5.5-2.0	7:15	689-099		
63	0943	5'5	792 1h.88	76°16.954	0	5/4-50	8:36	- 7		
20	800	t'h	£28 24.88	76.18.655	ß	2,5-4,0	7:04	242-743		HI
20	1,1	t'h	l'A		S	0.5 - 2.0	45.9	776-806		
17	10,36	7.5	581 744.8E	76.18.243	B	5.9-0'h	チュント	ch8 - 808		A TOTAL COMMENTS OF THE PARTY O
7.1	11	5'2	11	11	S	0.5-3.5	7:55	tt8-248		Maria Maria
70	11.17	0'9	380 42, 946	76° 15, 644	Δ	3,0-5.0	6:23	886-913		
40	1.1	0,0	η	1)	S	52-50	10:05	546-416		
00	1151	10,0	38°38.373	76.11,807	B	0.6-5.5	00:9	086-156		
0		10.0	14	1.1	S	0'5-50	£0?£	t101-786		
10	1222	Sis	78,29,959	16,01 56	0	04-50	80.08	1634-1072		
80	1249	11,2	38°37.799	76°07,921	B	5'01-5'5	31:15	1085 - 1113		
00	1.1	11,2	11	11	S	0.5 - 5.0	7:12	1115-1114]		, ,
60	1318	9.4	38,38.898	76,06.935	0	01h-50	7:38	183 - Shill		
10	1340	13.1	38° 35,943	76.05.014	B	6,0-12,0	87.8	1171 - 5811		
10	11	13.1	14	11	S	5'5-50	8:02	1213-1245		
=	1408	10.1	38° 34. 790	76.03.524	В	0.6-0.5	84'.9	1821-0521		
Ξ	-	1001	11	1.1	S	5'h - 5'0	\$5:9	1287-1321		
13	1441	60	38°35.336	76,00,599	B	4.0-7.5	22:4	1333-1362		
5	11	- 60	11	W	S	5.5 - 5.0	7:132	1364-1392		

	Ole	7	increase on a consecutive station Log: B	ulon Log: B1	5 -711				Date 12 may 2012	アイタンク	210
	Time					Interval	Pump	Vol. Filtered	Vol. Filtered	BT02	
Station	(LMT)	(m)	Latitude	Longitude	Interval	Range (m)	Duration	Pump (1)	Pump (2)	CLD	
2	1509	= 5	38.36.256	75.59,015	В	5'01-5'5	45:4	13			
7	=	Ξ				0,5 - 5,0	7:31	1426 - 1498	,		
<u>~</u>	1537	0,7	38.38,113	146.85.54		0.5-3.5	37.4	t&71 -07/h1			
								4			
·											
			٠								
				-							
Interval	'a]	0=0	O=Oblique, S = Surface, B = Bottom, P = Pycnocline	ace, B = Bottor	m, P = P	yenocline			page	2302	4
									•		

4	O
BTI	

Sample Type	Station Number	Sample Depth (m)	OBS Voltage 1	Fluorometer Voltage 4	* Volume filtered (ml)	Time (GMT)	Secchi Depth	Station Notes
ス集	100						1.2	वर्भ १९७
Z	29	2.0	1,20	594.0	07	67:81	1.2	tym
	63						7:1	3153 5465
	2			30		(A)	h'(
- LAND	12	5.0	21	195.0	2	85:41	1.3	tym
Bot,	70	5.0	15.0	010	2	15:23	8:1	
Smt	e 0	0,5	66.9	0.56	2	21:91	57	- no mark
	67						81	
Bot,	80	10.4	64.0	0.26	2	16:53	١, ٧	
	69				- June		18-	20,5°C Botton Ter P
	01,	100			100		1.2	20.5° C Bot.
& wet	- 11	0,5	1.13	85.0	2	18:27	1.2	20.5°c B.t.r.
Bot.	13	7.5	15.0	0,30	2	18:45	6.0	21,000
	14						0.0	21,000
2007	15	ンつ	96.0	100	07	05:61	0.6	22.00.22

7:40 AM

JASON JAKE TOM

Very Clardy possible showers. Checkel ladar & its clear
Duct tope

Write North on equipment
make sure cod ends are glued
they of viz (they sygue)
The 10 Manner (ask)

Tuteribl on Morphy cruse sheets
Check flow meter
Container of trown volune
special holder for sample yer
fix sample yer holder
Bungees
Foil

* N. T. O.

Depth Latitude Longitude Interval Range (m) Duration Pump Vol. Filtered Vol.			E	\vdash		6				A CONTRACT OF STREET STREET, STREET STREET, ST	Dalle 3 / S	3 / /05
10 12 12 12 12 12 13 14 15 15 15 14 15 15 15		Station			Latitude	Longitud			Pump	>	Vol. Filtered	BT02
25		7	800	1	Lautude	Longitue	Interval		Duration		Pump (2)	CLD
2996 8.0 38° 38.993 74° 16.498 B 4.0 = 7.0 5.32 91 - 108 2038 8.0 38° 38.993 74° 16.498 B 4.0 = 3.5 5.92 177 - 124 210 4.6 58° 42.860 76.18.715 B 40-3.5 5.11 300 - 308 211 11		- 1	2878	0	58,38,149	76.19.5	B	9	5			CALO
9945 8.0 38 38.943 76 16,478 B 41.0 - 7.0 5.36 (177 - 132 574) 1. 1	112		=		1.1	:	S	14-50	2	0/ - 1		3
2757 4.5 38"4.255 76'6,947 6 4.5-2.5 5.7¢ (135-174) 2757 4.5 38"4.255 76'6,947 6 4.5-2.5 5.7¢ (135-174) 275 4.6 38"42.860 76'18.715 6 40-2.5 5.11 300-2.20 236 6.0 38"42.860 76'18.715 6 40-2.5 6.09 243-220 236 6.0 38"42.875 76'16'074 5 40-2.5 6.09 243-259 237 4.7 38"42.875 76'16'074 5 40-2.5 6.09 243-259 238 6.2 38"42.875 76'16'074 5 40-2.5 6.09 245-279 238 6.2 38"42.875 76'16'074 5 40-2.5 6.09 245-279 243 5.4 38"38.422 76'16.876 5 0.5-4.5 6'19 347-364 243 5.4 38"37.85 76'0.2785 6 0.5-4.5 6'19 347-425 244 5.4 38"37.825 76'0.2785 6 0.5-4.5 6'19 439-455 245 14, 138 33.825 76'0.2785 6 0.5-4.5 6'19 439-455 245 14, 138 33.825 76'0.2785 6 0.5-4.5 6'19 439-455 245 14, 138 33.825 76'0.2785 6 0.5-4.5 6'19 439-455 245 14, 138 33.825 76'0.2785 6 0.5-4.5 6'19 439-455 240 14, 138 33.825 76'0.2785 6 0.5-4.5 6'19 439-455 240 14, 138 33.825 76'0.2785 6 0.5-4.5 6'19 439-455 240 14, 138 33.825 76'0.2785 6 0.5-4.5 6'19 439-455 240 14, 138 33.825 76'0.2795 6 0.5-4.5 6'19 439-455 240 14, 138 33.835 8 0.5-4.5 6'19 439-455 240 14, 138 33.835 8 0.5-4.5 6'19 439-455 240 14, 138 33.835 8 0.5-4.5 6'19 439-455 240 14, 138 33.835 8 0.5-4.5 6'19 439-455 240 14, 138 33.835 8 0.5-4.5 6'19 439-455 240 14, 138 33.835 8 0.5-4.5 6'19 439-455 240 14, 14, 14, 14, 14, 14, 14, 14, 14, 14,	eic.		2000	di	38.99	7	2	6-1	1	_		-
215 4.5 38 4,255 76 6,447 6 4.5-2.5 6;10 157-174 210 4.6 38 42.860 76 18715 6 4.6-2.5 6;10 157-174 211 4.6 38 42.860 76 18715 6 4.6-2.5 5;11 200-208 212 6.0 38 44.17 76 18.224 8 3.0-5.6 6;10 225-24/ 213 6.0 38 42.875 76 18.548 8 3.0-5.6 6;10 248-220 214 5.4 38 38 42. 875 26 18.548 8 3.5-5.5 5;00 208-204 215 4.4 38 38 42. 875 26 18.548 8 5.0-9.0 6;10 348-364 215 4.4 38 38 42. 875 26 18.540 8 5.0-9.0 6;10 348-364 216 11. 11. 11. 11. 11. 11. 11. 11. 11. 1	Ž.	4	-		=	. 0) د	+		7 1		
7.77 7.5 58 7.255 76 16,947 6 7.5-2.5 6:10 157-174 54 7.00 4.6 38 42.860 76 18.715 6 40-2.5 5.11 200-3.08 54 7.1 11 11 12 18.724 8 3.0-5.6 6.10 225-247 7.1 11 11 5 0.5-2.5 6.10 225-247 7.2 12 4.7 58 42.817 76 11,674 6 40-2.5 6.10 265-283 7.1 11 11 5 0.5-2.5 6.10 285-284 7.1 11 11 5 0.5-2.5 6.10 285-284 7.1 11 11 5 0.5-2.5 6.10 348-364 7.1 11 11 5 0.5-3.0 6.10 348-364 7.1 11 5 0.5-3.0 6.10 348-364 7.1 11 11 5 0.5-4.5 6.10 348-364 7.1 11 11 11 11 11 11 11 11 11 11 11 11 1) [1			- 1	7	5-3,	5:46	3-14		5402
0.00 4.6 38° 42.860 76.18.715 6 416-2.5 5:11 300 - 208 54 1.1 11		9	07.97		2	16,9	8	1.5-2.5	(6,10	7-17		143
0.10 4.6 38° 42.860 76:18715 P 416-2.5 5:11 300-308 1.1		0.7	1.1	11	3-1	1 (5	0 200		100 162		2 8 -1
0.36 6.6 38° 44.171 76° 18.224 8 3.0-5.0 6.70 210-220 54 0.3 6.6 38° 44.171 76° 18.224 8 3.0-5.0 6.70 2265-283 1.3 6.2 38° 42.875 76/16/674 /5 40-3.5 6:09 243-259 1.3 6.3 38° 42.875 76/16/674 /5 40-3.5 6:09 245-259 1.3 6.3 38° 42.875 76/16/674 /5 40-3.5 6:09 2265-283 1.3 6.3 38° 42.875 76/16/674 /5 40-3.5 6:09 2265-283 1.3 6.3 38° 42.875 76/16/674 /5 6:0-9.0 6:09 2265-283 1.3 6.3 38° 42.875 76/16/674 /5 6:0-9.0 6:00 308-324 1.4 6.3 38° 38, 422 76° 10.860 © 0.5 - 3.0 6:00 308-324 1.4 7 38° 38, 422 76° 10.860 © 0.5 - 4.5 6:10 436-436 1.4 1.4 38° 35, 276 76′ 10.880 © 0.5 - 4.5 6:10 439-435 1.4 1.4 38° 35, 276 76′ 10.880 © 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 478 76° 0.9 188 © 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.9 188 © 0.5 - 4.5 6:10 439-436 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-436 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-436 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.5 0.5 - 4.5 6:10 439-435 1.5 6.0 38° 35, 418 76° 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5			10/0	9.6	5	1 -	8		4	200		-
236 6.0 38° 44.171 74° 18.224 8 3.0 - 5.0 6.10 225 - 241 138 6.2 38° 42.873 7618.674 6 40.0.5 6.09 245 - 253 138 6.2 38° 42.873 7618.674 6 40.0.5 6.09 245 - 253 138 6.2 38° 42.873 7618.674 6 40.0.5 5 6.00 208 - 234 138 6.2 38° 42.873 76.11.853 8 5.0 - 9.0 6.50 348 - 364 215 9.9 38° 38.422 76° 11.853 8 5.0 - 9.0 6.50 348 - 364 215 9.9 38° 38.422 76° 11.853 8 5.0 - 9.0 6.50 348 - 364 215 9.9 38° 38.422 76° 11.853 8 5.0 - 9.0 6.50 348 - 364 215 9.9 38° 38.422 76° 11.853 8 5.0 - 9.0 6.50 348 - 364 216 9.9 38° 38.825 76° 10.860 0 0.5 - 5.0 5 5.53 288 - 403 217 11 11 11 12 10.05.042 8 10.0 - 6.8 5.03 421 - 455 218 1.6 38° 35.825 76° 05.08 10.0 - 6.8 5.03 421 - 455 219 1.1 11 11 12 12 12 12 12 12 12 12 12 12 12		20	-	-	9 3	-	1	- T	0,11	ano - 200		St 20
036 6.0 38° 44.171 76.18.224 8 3.0-5.0 6:10 225-241 54 013 4.7 38° 42.873 76/18.674 6 40-5.5 6:09 245-259 138 6.2 38° 42.875 76/18.674 6 40-5.5 6:09 245-259 138 6.2 38° 42.875 76/18.674 8 3.5-5.5 5:00 308-324 215 4.4 38° 38.422 76° 11.853 8 5.0-9.0 6:01 348-364 215 4.4 38° 38.422 76° 11.853 8 5.0-9.0 6:01 348-369 215 4.4 38° 38.422 76° 11.853 8 5.0-9.0 6:01 348-369 215 4.4 38° 35.825 76° 02.785 0 0.5-4.5 6:19 439-455 324 4.4 38° 35.825 76° 02.785 0 0.5-4.5 6:10 439-455 344 4.4 38° 35.825 76° 02.785 0 0.5-4.5 6:10 439-455 344 4.4 38° 35.825 76° 02.785 0 0.5-4.5 6:10 439-455 345 13.6 38° 35.917 16° 05.042 6 120-6.5 6:03 425-481 346 13.6 38° 35.917 16° 05.042 6 120-6.5 6:03 425-481 347 4.6 38° 35.917 16° 05.042 6 120-6.5 6:03 425-481 348 4.6 38° 35.825 78° 0 0.5-4.5 6:10 439-455 349 4.6 38° 35.917 16° 05.042 6 120-6.5 6:03 425-481 340 4.6 38° 35.917 16° 05.042 6 120-6.5 6:03 425-481 341 4.6 38° 35.917 16° 05.042 6 120-6.5 6:03 425-481 342 6.05 6.05 6.05 6.05 6.05 6.05 6.05 6.05	111111111111111111111111111111111111111	6			-		^	200 -01E	3,30	1		7 7
138 6.2 38°42.873 7611.674 75 40-2.5 6:09 243-259 138 6.2 38°42.875 7611.674 75 40-2.5 6:50 2065-283 138 6.2 38°42.875 76°12.883 8 3.5-5.5 5.00 308-324 215 9.9 38°38.422 76°11.853 8 5.0-9.0 6:50 348-364 215 9.9 38°38.422 76°11.853 8 5.0-9.0 6:50 348-364 243 5.4 38°38.422 76°12.880 0 0.5-4.5 6:19 348-364 244 5.4 38°37.894 76°10.800 0 0.5-5.0 5:53 388-403 349 4.9 38°35.825 76°02.985 0 0.5-4.5 6:10 439-455 349 4.9 38°35.825 76°05.985 0 0.5-4.5 6:10 439-455 349 4.9 38°35.825 76°05.985 0 0.5-4.5 6:10 435-498 349 4.9 38°35.825 76°05.985 0 0.5-4.5 6:10 435-498 349 4.9 38°35.825 76°05.985 0 0.5-4.5 6:10 435-498 349 4.9 38°35.825 76°05.985 0 0.5-4.5 6:10 435-498 349 4.9 38°35.825 76°05.985 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.985 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.985 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-498 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-495 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-495 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-495 349 4.9 38°35.825 76°05.995 0 0.5-4.5 6:03 405-495 349 4.9 38°35.905 76°05.995 0 0.5-4.5 6:03 405-495 349 4.9 38°35.905 76°05.995 0 0.5-4.5 6:03 405-495 340 4.9 38°35.905 76°05.995 0 0.5-4.5 6:03 405-495 340 4.9 38°35.905 76°0		7	1036	و.	77.77	18.2	ß	5-0,	0 6	5		+
138 6.3 38°42.873 76/18.674 63 40-2.5 6.50 2865-283 138 6.3 38°42.875 76/18.679 8 3.55-5.5 5'00 308-324 1215 9.9 38° 38,472 76°11,853 8 5.0-9.0 6'50 326-344 1215 9.9 38° 38,472 76°11,853 8 5.0-9.0 6'50 348-364 1215 9.9 38° 38,472 76°11,853 8 5.0-9.0 6'50 348-364 1215 9.9 38° 38,472 76°11,853 8 5.0-9.0 6'50 348-364 1215 9.9 38° 38,872 76°11,853 8 5.0-9.0 6'50 348-364 1215 9.9 38° 38,872 76°11,853 8 5.0-9.0 6'50 348-403 1216 38° 35,875 76°10,786 0 0.5 - 4.5 6'10 439-455 1216 38° 35,875 76°05,985 0 0.5 - 4.5 6'10 439-455 1216 38° 35,874 76°05,042 8 120-6.5 6'03 465-488 1216 38° 35,874 76°05,042 8 120-6.5 6'03 465-488 1217 11 11 11 11 11 11 11 11 11 11 11 11 1		17	3		=	700	5	N		2-75		1040
138 6.2 38° 42.875 46° 15.598 B 3.5 - 5.5 5.00 308 - 324 215 9.9 38° 42.875 46° 15.598 B 3.5 - 5.5 5.00 308 - 324 215 9.9 38° 38,472 76° 11, 853 B 5.0 - 9.0 6.01 348 - 364 215 9.9 38° 35,872 76° 10.86° 0 0.5 - 4.5 6.19 367 - 383 305 10.9 38° 35,735 76 02.785 D 10 - 6.5 5.53 288 - 403 3104 4.9 38° 35,825 76° 0.788 D 10 - 6.8 5.08 421 - 435 3105 12.6 38° 35,941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35,941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35,941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35,941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35,941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481 3105 12.6 38° 35.941 76° 05.042 D 12.0 - 6.5 6.03 465 - 481	110	1	2	4.7	56	18.	8	d	1 -			27.61
138 6,3 38° 42.875 46° 15.598 B 3.5 -5.5 5.00 308 - 324 215 9.9 38° 38,422 76° 11,853 B 5.0-9.0 6.501 348 - 364 215 9.9 38° 38,422 76° 11,853 B 5.0-9.0 6.501 348 - 364 243 5.4 38° 33,422 76° 11,853 B 5.0-9.0 6.501 348 - 364 305 10,9 38° 37.785 76° 02.785 D 10 - 5.5 5.01 407 - 430 306 10,9 38° 37.785 76° 02.785 D 10 - 5.5 5.08 421 - 435 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.05 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.05 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.05 6.04 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.05 6.00 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.05 6.00 41.5 - 485 310 12,6 38° 35.875 76° 05.042 B 12.0-6.5 6.05 6.00 6.05 6.00 6.00 6.00 6.00 6		20-1		z	11	1	5	0	34.9	1		
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215 9.9 38° 38.422		78	-	-	2	2 :	9	1	00.0	33	Marine State of the State of th	5+44
243 5.4 38° 38,422 76° 11, 853 B 5.0-9.0 6.01 348-364 54 243 5.4 38° 39.844 76° 10.860 O 0.5 -5.0 5.53 388 - 403 305 1019 38° 37.85 76° 07.985 D 10-6.8 5.01 407-430 314 4.9 38° 35.825 76° 07.985 D 10-6.8 5.01 407-435 344 4.9 38° 35.825 76° 05.042 B 12.0-6.5 6.02 465-481 0=Oblique, S = Surface, B = Bottom, P = Pycnocline		+ 7					5	5-3	. ``	1		14 pg
243 5.4 38.39.894 76.10.860 O 0.5 - 5.0 5:53 388 - 403 305 1419 38°37.785 76'02.785 0 10-6.8 5:01 407-420 314 4.9 38°35.775 76'02.785 0 10-6.8 5:01 407-420 314 4.9 38°35.825 76'06.978 O 0.5 - 4.5 6.10 429-455 315 13.6 38°35.941 76°05.042 6 12.0-6.5 6:02 465-481 316 13.6 38°35.941 76°05.042 6 12.0-6.5 6:02 465-481 317 13.6 38°35.941 76°05.042 6 12.0-6.5 6:02 462-481 318 13.6 38°35.941 76°05.042 6 12.0-6.5 6:02 462-481 319 13.6 38°35.941 76°05.042 6 12.0-6.5 6:02 462-481 319 13.6 38°35.941 76°05.042 6 12.0-6.5 6:02 462-481			17.15	44	38,422	11,85	2	.0-9.	(0,0)	ı		100
305 1019 38° 37.785 76' 02.785 12 10 – 6.8 5; 01 407 – 403 5+9 305 1019 38° 37.785 76' 02.785 12 10 – 6.8 5; 01 407 – 430 5+9 314 4.9 38° 35.825 76' 04.948 0 0.5 – 4.5 6:03 421 – 435 5+0 314 4.9 38° 35.825 76' 05.042 12 12.0 – 6.5 6:03 465 – 481 5+10 315 12,6 38° 35.941 76° 05.042 12 12.0 – 6.5 6:03 465 – 481 5+10 317 12,6 38° 35.941 76° 05.042 12 12.0 – 6.5 6:03 465 – 481 5+10 318 12,6 38° 35.941 76° 05.042 12 12.0 – 6.5 6:03 465 – 481 5+10	5 9	9	-	=	=	1)	5			5-4		
305 10.9 38° 37.785 76° 02.985 6 10 - 6.5 5:01 407 - 430 5+0 344 4.9 38° 35.825 4° 06.978 0 0.5 - 4.5 6:10 4/39 - 455 5+0 405 13.6 38° 35.941 76° 05.042 6 12.0 - 6.5 6:02 465 - 481 5+0 10.5 13.6 38° 35.941 76° 05.042 6 12.0 - 6.5 6:02 465 - 481 5+0 5 0.5 6.0 5:56 472 - 498 5+10		40	1243	>	39.894	. 10.	0	. 4		77 7		-
344 4,9 38° 35.825 4° 06.978 0 0.5 - 4.5 6:10 429 - 455 540 540 540 540 540 540 540 540 540		80	1305	10,9	7.7	07.9	0		シジン	51		17070
344 4,9 38 35.825	.33	Q Q	1/	11	11))	1	CO-0.7	×4.7	1		3
105 12.6 38° 35.941 76° 05.042 6 12.0-6.5 6.03 465 481 8	_	69	1344	0	35,825	000	C	000000000000000000000000000000000000000	00.	25		1
O=Oblique, S = Surface, B = Bottom, P = Pycnocline			1405	-	14005	いいく	3	0.0 7 7.0	, ,			27 09
O=Oblique, S = Surface, B = Bottom, P = Pycnocline	_	3	1,4	9	=	5.5	7 1	d.0-6.5	a	2	V.	2+10
O=Oblique, S = Surface, B = Bottom, P = Pycnocline	19	2		T			^	0.5-6.0	5.50	1		0/4
O=Oblique, S = Surface, B = Bottom, P = Pycnocline	_		1			,			Silver and Parties and Silvers	A CONTRACTOR OF THE PERSON OF		
		Interva			ique, S = Surfac		11	cnocline			0000	1

21/0	BT02	CTD																		
Date $5/30/12$	Vol. Filtered	Fump (2)																		
	Vol. Filtered	1 mm (1)	,	- 1	545-557	558-573	753 665	:	201015	621-636					i					
	Pump Duration	5.Ca	80.7	00 0		5.54	0.26	_		00'9										
	Interval Range (m)	5,0-90	ノオーコウ	2.5	4,0 - 4.0	0,5-3,5	~~ ~~		4	0,5 - 3,5										nocline
8: BI12- \$2	Interval	8	V) S	ρ,	1	0	ds	2 (6											Bottom, P = Pycnocline
uion Log: B	Longitude	76.03, 539	حنسو		10 00,076	=	15051.002	****	مره می «عر											11
oursecutive Station Lo	Latitude	38.34,801	1.1	38. 35. 37.3	1 =	1 1076	58.36 552	raine rai	38.38 119											O=Oblique, S = Surface, B
			Ĵ	ج ن ن	=	(072) į	, C		1				 					FObliq propriet
Time	(LMT)	1433	=	7051	=	1C 2	٦ ١) ,	1556											
	Station	_		13	13	2		5	\leq											Interval

Sample Type	Station Number	Sample Depth (m)	OBS Voltage 1	Fluorometer Voltage 4	Volume filtered (ml)	Time	Secchi Denth	Station Notes
	5+41						2.0	bot teme 24
Swife	20+5	0.0	1.25	44.0	000	13.22	97	
	5+013		2		100		7.	845 Len 245
	STRO					6	15.7	1.
Service I	5+21	A CONTRACTOR OF THE PERSON OF					١. ٩	26.8.0
57	1948				3		1.4	26.50
Bot,	Stab	9,0	05.0	0.39	40	16:20	87	24.3.0
1	Stot					- 30	1.4	25.3.2
	S+N8		6			IV	6	
w.t.	5499	0,0	66'0	75.0	20	17:56	1,4	
	54 10			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			10	J.8 1/2
Bot.	11+5	0.6	0.56	0.39	0.1	18137	77	25.0
475	5+ 13	9.0	1,26	1.23	10 AND 10	19:20	8.0	2.52 .
	57 14						C'D	7
Bot.	57 15	٠ ٧	ts 0	0.94	07	20.00	<u>ه</u> 2	76°C

194° 00,654 B 3.5 - 6.5 5.45 47+1 - 485 704 - 934 1	Time De	Depth (m)	I aftitudo			Interval	Pump	Vol. Filtered	Date 6/6//2	6/12 RT07
5 8.5 - 6.5 5.45 47.1 - 48.5 906 - 934 5 8.5 - 3.0 6.12 508 - 58.4 97.2 1807 5 88.972 0 3,5-0.5 6.03 545-50 1009-1037 5 88.972 0 3,5-0.5 6.03 545-56 1004-1073 5 88.972 0 3,5-0.5 6.03 545-56 1004-1073		c	Laurude		크	Range (m)	Duration	Pump (1)	Pump (2)	CTD
588.972 6 920 525 509 936-561 936-568.972 6 920-529 1009-1	j =	7	8.35.259			5	5:45	,	1	
58.97 C 3,5-0.5 6:03 545-584 977- 58.97 C 3,5-0.5 6:03 545-560 1044.	1436 110 3	M	80767CN	14.85.30	(1	6:13	. \	-1	- I
588978 C 3,5-0,5 6.00 525-579 1009-1	-		20	11.0001	10		6/23	1		
750.03 848-860 1044.	50 4,1 3	1	LAPOUR	10	9	ろうしい	0000)	1009-1037	
)	-	0)	3,5 70,5	6.03	1		less bases
		E&HOU.	10000000000000000000000000000000000000							1-
		7.45								
		IST.						-		
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	1									
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Date 6/6/12

	-
	Station Notes
Secchi) Depth
Time	(GMT
Volume	Voltage 4 filtered (ml)
Fluorometer	Voltage 4
OBS	Voltage 1
Sample	fumber Depth (m)
tation	fumber I

	الم الم	+ 1 + 1 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2	18	するよ							%					
Ctotion Notes	Station Notes	pycase line = Sall		temp 22.5°C on 60H),5 'E'E		26.00	2000			2120	397.28	7, 522	23,386	23,4°C	23.7.5
Secchi	nebtu		ا, ح	0,95	.			べニ	0) 3			*******	60	0.65	2,0
1	_	13:15								1	30+ -		22/		7847	HI611 740h
Volume	nitered (mi)	702				second with the second		401/2			sk	Color from	C. C. C. C. Some		$J \omega O h$	7402
Fluorometer	Voltage 4	0.73				0.45		William State of Stat		へ へ へ の			0,64		0,6	10.9
OBS	voitage i	6.58						The second second	:	0,579	joen.	and the second			C), S	0.9
Sample	nepm (m)	7,5		>		SÖ		9,5	:	10,5		S'0		,	0,6	0.5
Station	Number	<u> </u>	20	Ø3	Źο		04	00	40	8,0	60		**************************************	٤1	h۱	5
Sample	1 ype	B				S		2	's	8		1	△		9	\ <u>\</u>

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	*			with the p. D.	117-)			Date 5/5	2/
		Depth				Interval	Piimn	Vol Eiltoned	o lo mag	
Station		(m)	Latitude	Longitude	Interval	Range (m)	Diration	Prime (1)	Vol. Filtered	BT02
<u> </u>	& D &	70, 2	28.38 123				HOmnin &	(1) dinn 1	rump (2)	CTD
) s	E	-	10/01	00/1/9/	,	4,5 - 70	0/25	000-022	070-500	
72	3	2			2	6.8-2.0	SHE	025-055	211-150	
6	0/30	2		1	^	1.5-0.5	81190	056-072	241-411	
6	\$ 5	8.7	78 37.004	08/9/90	Q	3-6,5	CC (90	(30)	100-500	
7	,,,	,	۲	(i	0	07 -03	あで、ツワ		V.	
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63	Fr 60	رم ∞	38° 41 720	د ده ۱۱۰ ۱۲۰ د ده ۱۲۰ ۱۲۰ د ده ۱۲۰ ۱۲۰ د ده ۱۲۰ د ده د			\$3 c	~ ~	3	
20	700/		15			0 1	0//50	65-175	344-346	
2	2	,-	10 10.010		2		51,00	179-184	353 - 384	
3	1001	i	2 60 2			20-02	06,02	156-210	387 411	
6	1507	2,3	30-44.255	076,118,250	2	5.0-3.0	0.90	215-230	1211 TCh	
-6	,		en.	1 4	5		-	700 100	\$ 0 J 7 0 J	
	و. ت =	63	38 4. ma	076,15,60	0	CVSID		C	2	
3	17		ຈົ	2	V	1			1	
のの	6/	10/	35030 470	70 II 0.70	100	3	_	183	425-45	
Š		1		70001110010		-	0,00 00,00	087. 30A	559- 588	<u> </u>
	700	3	_			50-05	17.90	302-319	970 - SXX	
T		5 :		0% 5.2%	3	SO-0'S	05.0g	302 - 201	030-759	
900	970		53, 37,800	J6 ~ 7.998	0	105-50	DS 34	. 354	660-682	
9 3	_				S	5.0-0.5	05.03	┼	10/100	
5			5,847	C7606.70x	0	4.0 ° ℃	05.50	100	200-100	
2	38		58. 35. 958	0%°05.018	2	12,5-6,5	10.70	SOLVE CS		
9	-				V		+_		78 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	5.25		38,34.8/4	076.03.53	0	9.0-5.00	+	25100		
		±.1	• 1	16		-	20	70.20	0000 C	
Interval		0=Obli	que, S = Surfa	O=Oblique, S = Surface, B = Bottom, P =	Á	1	-1			7.

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* Need to double the Volume of 20 large.

	1											-	1		· · · · · · · · ·							····	1		
_	2	BT02 CTD	:																						
,	Date 6/3/12	Vol. Filtered Pump (2) 17	1085-1111	1114-1793	1811-8511	184-18	1214-124329	1245-127227	73051 - SOS		(3%0 - 0)S)	1373-1403	1964-61435	1442-1469	1473-1501	1503-1529 25	1532-156038	1574-1600	1601-1625"	1634-1662	1672-1699	1701-1727	735-1757	1758-1783	
		Vol. Filtered Pump (1) ر	646 (662	669-599	687-762	704-102	723-740"	5. 9SL-11/L	(21-191	778-7951	< 118 -018	958-818	658-548	861-877	L58 - 188	5 415-668	d18-934 16	944-959	960-975	466-136	1005-1020	1021-1236	1039 - 1055	١ ١	
		Pump Duration	6:15	6:13	6,05	5.53	6,15	90.9	6.09	6,40	6,40	6:57	00 ? g	6:23	9/19	6.08	6,23	5,05	5;51	01,9	15:51	6;04	حا نوا	00:9	
	-	Interval Range (m)	90-40	35-0.5	7,0-4,0	7.5-0.5	45-2,5	20-0,5	4.0-2.5	20-0,5	4,0-2,5	2.0-0.5	5.5-3.0	2.5-0,5	85-45	40-05	4505	11,0- G.O	55-05	0.4-5.0	6.5 - 12.0	0.5 - 6.0	4,0-7,5	0,5 - 3,5	
	g: BT12-04	Interval	BP	5	0	N	B	>	\mathcal{B}	5	8	5	B	5	ß	>	0	0	>	٥	∇	2	B	S	
	tion Log: BT	Longitude	07617.556	1.1	076,16.420	· **	076°16.543	1	C76"/8.683	11	076,11,279	νĎ	07615.635	ιί	CSE11,875	, C	076/10.356	076°07.886	ts	76°06,974	76.05.035	,	76.03.456	-	
	TRANSPORT Consecutive Station Lo	Latitude	38,58,121	ž.	38.38,981		78041.244		38°4). 838	,,	191148E	1 (38,42,934	7)	3838,351	tr	38.39.974	3837, 836	11	38, 35, 843	38° 35.958	and the second	280 34,791	=	
	XT Coi	Depth (m)	9:01	r_{c}	\ {′&		2,7	a^{-1}	L'h))	0.8	`	119	7)	9,7	<i>3</i>	S,z	611	11	4.8	12,9	11	8,5	H	
	ISPOF	Time (LMT)	C2 /O		08.JR	1.	8240	λ ₁	9838	۲,	~390/1 / 2	,	1056	j,	1134	3	1206	1331	رد	1315	1333	1	1359	=	
	TRAD	Station	Øί)()	, (h)	(A)	Ø3	(4)3	<i>3</i> 0'30	Ę	, —	1	94	hØ	90	96	<u>(</u>	ફ્ર્	603	09) \	01			

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

Interval

page 1 of 2

112	BT02 CTD																:		
Date 6/8/12	Vol. Filtered Pump (2)	1792-1818	1820 - 1845	1858 - 1885	1887-1910	2461 - 8161													
	Vol. Filtered Pump (1)	1078-1093	1094-1110	1119-1136	1137-1152	H211 - 8511													
	Pump Duration	十0:0	٤١:9	22.9	+ 0;9	6:08													
7-	Interval Range (m)	3,5-6,5	0'8-5'0	5,0-9,0	0.5 - 4.5	0,5-3,0	and the second s						111					and the state of t	
112- 0	Interval	ß	S	8	V	0										ı			
TRANSPORT Consecutive Station Log: BT12- O4	Longitude	76,00.596	11	75.59,003		75°58,984													
nsecutive Sta	Latitude	38, 35, 282	11	38 36,343		38° 38,074						***							
₹T Cor	Depth (m)	7.3	11	£'b	=	م' ج		7.9											
USPOF	Time (LMT)	1427	и	1453	11	1519		1551											
TRAL	Station	13	13	ħ١	۲۱	**\1		<u>a</u>		j									

Interval

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

page 2 of 2

Date 06/8/12

Sample	Station	Sample	OBS	Fluorometer	Volume	Time	Secchi	
Type	Number	Depth (m)	Voltage 1	Voltage 4	filtered (ml)	(GMT)	Depth	Station Notes
	190						51	21'0C Roth.
4	<i>TØ</i>	70	J\$?(J	1.05	20rL	B:36	1, 4	41W J.Brec
,	ŽØ)				() ()	7.9.28
æ	90 00 130	5%	1,25	0.18	Junt	15:57	/ 1	25'26
4	<u>`</u>	-					07	23.1
S	20	り、つ	53,	0,79	7406	00:5/	C '(1'50
<u></u>	90	50	8/1	0,59	Jung	15:51	51	8'26
B	70	11.0	0.59	SCHOOL S	20nL	SE9/	\mathcal{C}'	
	<i>S</i> S						1.0	23.2 hother
	60						97	
	16						9:1	
	/)						٦, ٢	
S	13	م.٥	1.39	1.32	H	1844	0.	23,5 bottom
	アー						9 0	Ó
	<u>\</u>	3.0	85'0	0.76	02	1924	5,5	23,8
	_a =	4:0	0,43	80'(2	2561	and the state of t	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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	21/15	BT02 CTD		Fedl	- P.			06/										Č							
)	Date 6/14/12	Vol. Filtered Pump (2)	E 861-3561	1975- Ne	2009-2038	7802-8502	2092-2121	2128-2150		1022-2212	2205-2230	5722 - 9527	2268-2238	2305- 2335	2343 - 2368	2371-2400	28h2-h6h7	2438 - 2467	8642-8912	2502-1530	2532 - 2593	7564-2594	2596-2626	363, -2659	1575 (197)
		Vol. Filtered Pump (1)	209-239	To be a second	262-292	158-128	362-393	409 - 442		bdh -85H	493-520	130-861	465-895	£89-509	9 t 9 - 9 h 9	117-589	E3t-22L	761-791	628-26E	831-860	468 - 200	155- 616	954 - 525	CS 01-5001	7901 - 724
		Pump Duration	5.46		5:56	15:51	5:59	6:32		5:57	52:5	6500	40,9	81:9	5.49	6:63	90:9	6.04	6:1	5:43	6:16	50.9	6.03	05:45	10.00
		Interval Range (m)	4.0 - 6.5	5.8-50	1	0.4-2,0	0,5-3.0	3,0-5.0	5°2-5°0	3,0-5.0	5.2-5.0	0.6-0.5	5'h -5'0	5'h-5'0	5,5-12,0	0'5-5'0	5'2-5'0	6.5-12.5	0.9-5.0	5,6-5,5	0,2 - 5,0	0'5-0'6	50 -53	9,5-5,0	1, 5
1	BT12- 0	Interval	B	4	\sim	0	Ø	N. VI	新っ	B	S	8	S	Ø	В	S	0	ß	S	(L)	V	\mathcal{O}	5	6	V
		Longitude	76076,507			7616,932	76 18,708	552.81.57E	11	565 '51 95	-	76 11. 753	/1	283.01.92	76°07,978	ipadi Padi	t-18.00.07	46° 04.97	11	76,03,500	and mark	395.00,36	-	146'25'341	~
	FRANSPORT Consecutive Station Log:	Latitude	38,39.062	*		38.41.370	38, 43,000	361.44 08	, -1	38. 42,992	staget Stange	38.38,381	11	38-39.921	38.37,758	37 au-	38° 35,852	38.35,937	All and a second	38.34.783		9835 352	Þ.	58,36,353	-
	T Coi	Depth (m)	7			5,2	4,3	6.0	11	0'9	11	a'0)	7 1	h'5	0.11		7	13.1	1	10' d	1.6	10,01	25 1988/7	7a, C	,
	VSPOF	Time (LMT)		-		2230	5230	0902	-	3460	11	1201	11	150)	1117		11143	1337	11	1403	11	1477	٦,	1507	, .:-
	IRAÌ	Station	28	20	2 p	83	50	7	7	かめ	hф	20	\$ C	40	89	38	ЬØ	0	<u>0</u>	_		7%	3	7)

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

Interval

/\\	BT02 CTD												:		 <u></u>
Date $6/18/18$	Vol. Filtered Pump (2)	2654-2725	- Community of the Comm		***************************************										page
	Vol. Filtered Pump (1)	1073-1109	A CAC - Company of the Cac - C												-
	Pump Duration	602													
. (_	Interval Range (m)	4.5-0.5													Bottom, P = Pycnocline
112-0	Interval	2 0 0%													m, P = P
tion Log: BT	Longitude	5/585,22													11
TRANSPORT Consecutive Station Log: BT12- 0.5	Latitude	38,26,125				The state of the s									O=Oblique, S = Surface, B
≀T Con	Depth (m)	18 N		,											0=0bl
ISPOF	Time (LMT)	1537													'al
TRAN	Station	(5													Interval

Date 6/14/12

* Halts veset CTD on station of - 1st file is down cast - Zul file is uponas

BT12- ∮5

						Į.	,		
Sample	Station	Sample	OBS	Fluorometer	Volume	Time	Secchi		
Type	Number	Depth (m)	Voltage 1	Voltage 4	filtered (ml)	(GMT)	Depth	Station Notes	
ß	29	£.9	55'0	9±'0	20	11:4b	8.0	2436 on botton	
	E 90						6,7		
	209						t,0	245c on bot	
S	7-	5'0	1,03	61.0	20	1320	大.0		
B	49	5,0	15.0	55'0	20	13	0.6	7,72	
\mathcal{S}	90	9.0	121	62'0	07	8E.H1	8'9	7.27	
	1 X X						7'		
B	30	16,0	64.0	0.58	20	15:21	7 1	24.4°C Salt - 11 on by	5
	5,0						,		
	, O						1 '		
VI	- 1	0.65	1,28	8t'0	20	18:22	(,0	24.600	
5	= 13	٥,5	1811	921	20	18:55	91	116-CTO FIE FrMARK	/ MARK
	Ы						<u>ر</u>		
S	\S_	O.S	150-	6° 1	2021 1233	1953	5		

Date (3/19/12

TRANSPORT Consecutive Station Log: BT12- @6

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	ADI OT		INTERNATION CONSOCRIAN DE	Diamon Pos. P.	1		-		4	
	Time	Denth		3		Interval	Pump	Vol. Filtered	Vol. Filtered	BT02
Station	(LMT)	(E)	Latitude	Longitude	Interval	Range (m)	Duration	Pump (1)	Pump (2)	CLD
<u>5</u>	0 7 K S	0	38.38.045	344.61.014	<u>a</u>	5,0-9,0	6:18	1256-1288	2731-2795	
6	-	#* ####	7	1, 100	S	0,5 - 4.5	6:28	1290-1322	2797-7828	
250	2130	ئن ا	38-38.993	124 91.07E	В	4,0-7.0	5:58	9-39	6-35	
47	=	=		, 11	S	0.5 - 3.5	6:01	41-70	36-64	
63	1580	7,2	38:41.299	890.51.96	0	2.4-5.0	6:18	9=1-68	73-103	
	_	\ \	38-42 892	1112.81.95	ß	2,5 - 4.0	00'9)	123-154	151-401	
2	1	=	=	1 /	5	0.5-2.0	20,9	156-185	137-166	
12	2632	2	380 44.176	76018,247	8	3.5-6.0	5.58	194-224	861-041	
Z	, , , , , , , , , , , , , , , , , , ,		×.		5	0,5-3.5	6:07	225-256	199 - 22>	
<u>ح</u>	100X	ر (85576,82	029:51.2		52-53	603	273-364	240-268	
F C	e	-	, , , , , , , , , , , , , , , , , , ,		N	30-08	609	306-337	270 - 295	
<i>و</i> 0	54.cl	0,0)	38.38.418	878 III 95	B	7.5-9,0	6:48	342 - 347	302-334	
00	7	1 =		***	Q	4,0-7.0	10:01	01h-6±2	336-366	
0	=	7			5	6,5-3,5	21.9	412 - 444	368 - 398	***************************************
0	2=	S.3	38 39,959	760 10,873	0	5'h - 5'0	6:25	402-494	7112 - 442	
80	2h//		HC8' 45 38	76°03.068	dØ	5.5-10.0	51:5	SO1-527	C46 - 9hh	
%)) ;	3	J	11	S	05-50	00,9	530-560	ナロティスカ	
0	7212	50	38.35.805	76.07.06S	0	5.7-5.0	85;5	573-603	SS- Fas	
2	b£ 21	13.0	38° 35. 955	76.05.010	æ	8,0-12.0	50,0	613-643	ナセ S - トトS	
0	=	=	-	-	4	5,0 - 7.5	5:57	645 - 673	576-1005	
0	=	=	1		V	0,5 - 4.S	0019	675-703	607 - 63S	
Description of the Control of the Co	13.10	ट टिं	837 1/2 °25	76,03,479	0	45- 9.0	6.03	71A- 740	640-669	
	77	2		ز د	9	7,0-0,8	0,0	742 - J71	670 - 699	
Interval	'al	0=0	O=Oblique, S = Surface, B	ace, B = Bottom, P]	Pycnocline		٠	page ,	2 to 1

Date $(6/19/1)^2$

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74-803 +34-45+ 七5七 -七5七 و ف ک Vol. Filtered Pump (2) 838 -844 Vol. Filtered 788 - SS8 783-813 256-026 Pump (1) Duration 5000 2019 かい、シャ Pump 50,0 4.5-80 0,5-4,0 Range (m) 0.4-5.0 2,5-6.5 Interval TRANSPORT Consecutive Station Log: BT12- 👉 Interval 20 0 Ø € Longitude 76.00.584 21.5 75°58. 75.58 38 35.327 38 36.423 38° 38. 114 Latitude から Time | Depth Ξ (LMT) 134 1434 10n Station C_{ζ} J

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

Interval

Q
0
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	Station Notes	ters. 22,5 C		tuno 23,0°C			73.5	32.7°C				23°C	22.706			23.8°C
Secchi	Depth	51	1.3	D.7	上,口	0,7	40	C, 8	١, ٧	0,/	0'	0.1	1,0	, م	0.0	5,0
Time	(GMT)		62.21				13:50	SIIhl	60:51		10:91			88U)	5861	18:37 9mt.
Volume	filtered (ml)		20				20	20	20		20			20	20	1.76 20 b/c laptip very
Fluorometer	Voltage 4	A CONTRACTOR OF THE CONTRACTOR	1.10				15.0	981U	51.0		88'0			9° 0	0.70	
OBS	Voltage 1		0.53				1,20	150	821		١. ٢٧			Marie (gr.) Marie (gr.) L	750	Stermy
Sample	ŋ		5.0				0,0	212	5.0		0,0			0,5	6.5	4- CTV
Station	Number	۱۶	42	63	1 4 9	α_{\prime}	21	40	99	七夕.	80	6 Q	<u>α</u>	1)	[3	osteed bis another
Sample	Type		B				S	B	.\		V				2	St 4) - (6

Date 6/25/12

TRANSPORT Consecutive Station Log: BT12-

BT02	CID																							
Vol. Filtered F	$Pump (2) \qquad ($	19- 48	SQ - 83	93-124	126-156	1651-691	200 - 230	233- 262	008-698	152 - 200	EEE- 5 45	60h - 18E	hhh -hlh	1 Black - Which	515-285	65 m 5 6 5 m	682-095	679 - 619	949-569	â	2ht-2/£	わとせ - mit		page
Vol. Filtered	Pump (1)	82-08	66-15	911 - 118	120-142	166-138	-22 - 561	£ 52 - 82	738-998	254-314	330-352	355 - 376	30% - 488	120-606	197- 481	264-264	45-354		nbs - 895	156-622	628-655	189- 659		
Pump	Duration	50.9	21.9	00:9	6:11	6:13	2	ho:")	9:11	2:20	911:9	90:0	5:58		80:9		X		200	50:0	60.9	62.0		
Interval	Range (m)	9.5-5.0	45-0.5	4,0-7,0	0,5 - 3.5	5.0-0,5	2.5 - 4.0	0.5 - 2.0	6.5-35	30.05	3.5 - 5.5	0,5 - 3,0	9.C-5.6	50-8h	0.5-5.0	105-55	03 20			70.03	45-8.0	0.5-40		= Bottom, P = Pycnocline
	Interval	BP	S	B	5	\cup	ß	S	\mathcal{Z}	>	B	N	B	>	\bigcirc	S	<u></u>	C	V V	38.45	\simeq	V)		n, P = P
	Longitude	549.11.910	, , , , ,	76.16.398	1.1	250.71.97	16.18.741	85°4 40°4-	146, 30	n +1	485'SI .7E		76°11,302	į	788.01.9E	100'80.96	· · · · · · · · · · · · · · · · · · ·	C96 90 34	\$8050 JL	11	83h 80 3	? 1		
	Latitude	38 38,145		38'39.083	11	28°41,236	38-42.874	40°C;	28.44.153	17	38.42.864		38,38,354),	38-39.966	38 3 82		128:52:68	25	17	38:34.813	11		O=Oblique, S = Surface, B
Depth	(m)	67	<i>)</i> }	7.8	11	1,5	7 H	-07°	23	1 1	(6,3	17. 200	10,0	14		5	is Hir	0		, ,	9,0	1.1		(9O=0
Time	(LMT)	0752	es.	6228	-	1580	9160	***	CR41)	101		[1053	11	2711		,	<u></u>		٤.	1319			'al
	Station	C _)()	20	20	50	20	2	<u> </u>	16	۶ 9	ナの	90	S	£ 0	\ SO	0	5 0		0				Interval

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	Station Notes	23.5 BT				Mark of								
Secchi	Depth	1.45	1,30	071	1'		7 '	(3	Ł'0		<u>C</u>	6'0	6.7	
Time	(GMT)		(2:33			197,00	14:36		££:51	£ > :9]			17:37	
Volume	filtered (ml)		20				07		50	20			20	
Fluorometer	Voltage 4		0,53				25'0		0, 1, 6	(S C		A A A A A A A A A A A A A A A A A A A	1.08	
OBS	Voltage 1		95. O				1,34		401	75:			1.39	
Sample	Depth (m)		c't			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9'0		9,0				0,5	
Station	Number	10	20	{()	2	- 6	ho	90	との	Q Q	0	0 .		
Sample	Type	O O	B	\			S		5	() () () () () ()				

Date 7/5//2

	BT02	CID														2 tot
	Vol. Filtered Pump	(7)	855 882	884- 917	721. 949											page
Date //>//	Vol. Filtered		721 - 127	773- 809	816 - 843						,					
	Pump	¤ I	ο Σ. Φ.	6.53	5:56											
	Interval Range	(m)	10,5-60	5.5-0,5	1											cnocline
	Intervol	ınterval	8	}_	O											ı, P = Py
I KAINSFORT COUSECULIVE STAUGH LOG. BIT	Tonmitude	Longitude	75.58.54	ι (75 SI195	**										O=Oblique, S = Surface, B = Bottom, P = Pycnocline
iisecutive ota	obititio I	Latitude	36.36.53) (28085											olique, S = Surf
	Depth		ر 2,2		39											0=0
Noro	Time	(LM1)	1530	1,4	1540											/al
	O. i.	Station	3 _	<u>3</u>	(5											 Interval

, S	BT02 CTD																								とよっ
Date 7 S	Vol. Filtered Pump (2)	1/2-11	h6-Sh	011-08	1(3-143	146-172	182-216	218-2548	260- 251	293 - 204	330 - 362	365 - 378	403-437	435-4171	476-506	ST - 576	577-610	620-648	655-686	688-717	725-KZ	754-785	787- 916	1815-848	page
	Vol. Filtered Pump (1)	13-4	44-72	801-1S	110-137	143-170	179-204	206-231 ×	237-259	261-382	287-311	34-338	342.565	366-288	373-40	452-478	805 - 088	520-545	553-583	585 -613	622-649	550-677	~	714 - 741	
	Pump Duration	50:05	0,19	6.05	6:03	8118	84.0	(5.9)	8119	50.0	501.9	6.39	hs:9	6129	6:04	5:30	6:35	(G. 00	6.37	6,26	90.9	J. J.	0.0 0.0	الق نهاي	
	Interval Range (m)			70-40	3.5.0,5.	J.O.S.	3.5-2.0	5'0-5'1	5'8-5'9	05-50	5.n- 30	2,5.0.5	7.0-5.0	45-0,5	45-05	@-@ @-@	53 - N.S	4.0- O.S	110-60	0.5-5.5	10-5.0	4.5-0.S	6,0-35	30-05	Bottom, P = Pycnocline
BT12-	Interval	2		B	}	0		~	C.	5	\approx	\ \ \	2	S	0	S		0	Ø	1	22	+	\simeq	}	m, P = F
tion Log: BT	Lonoitude		2)	014,21.97	_	76,16,902	76181717) 1	146,81 ×		76 15.606	د	628 11.96))	JC 10.854	176.00.87	1 (186.90.97	76,05,007		22,50,92	11	565'00.94)	II
TRANSPORT Consecutive Station Log:	Latitude	200000))	36.39035	deres (58c/h.82	Bhb Thole) 1	38°44. 138	<u>)</u>	101 Th. 85	e e e e e e e e e e e e e e e e e e e	78.38.38	7.1	38.39.937	38:57,863))	38.35.838	29035,962	, , , , , , , , , , , , , , , , , , , ,	38° 34, 783	, 1,	38035.335) 1	O=Oblique, S = Surface, B
RT Co	Depth (m))]	9,0	÷	7,7	45	11	57	2	ري اي	-	7	-	V.	hζ	١, , ,	L'h	12, G	1	ν. 5	 L	<u>ئ</u>		90=0
\SPO!	Time			9826	ž	375	C3132	7,	8101	10000	1059	7	hs. //		200	123	-	1334	1353	, 3x.	143/		12 1	-	/al
TRAL	Station	Ō	o o	40	2) C	06	, seen	7	7	3	75	<u>ر</u>	2	10	00 00	000	0,5	5	9	<u> </u> _		2	5	Interval

B112_68_ Water Sample Log

Date 7/5/12

								, ···										
Station Notes		MK		To the second se	28.90 612-216	75.4	27.4	26.5						29,5				
Secchi Depth	1,6	1,2	1,/	1,2	0,9	رة			0,7	J.S.(0,7	ر′۵	() ()	ري اي			-	
Time (GMT)		1300			1438	150 à	1555	049/			1827	1910		1947	j			
Volume filtered (ml)		20			90	20	70	3O			00	0°C		20	,			
Fluorometer Voltage 4		1,76			0,37	0, 49	0.62	0.92			1,28	1.36		1,57	:			
OBS Voltage 2) S 'O			0,2l	150	5)'()	0,34			(7.56	(h. 31	Ď	N, S4				
Sample Depth (m)		7.6			O. S.	5,0	0,5	/0، ي			516	0.5		3,5				
Station Number	Ö	70	63	30	4	70	,00	60	D8	Q	_	2	h/	18		The state of the s	The state of the s	
Sample Type		8			\mathcal{\sigma}	2	~	80				5		8				

Date 7/9/12

TRANSPORT Consecutive Station Log: BT12_O9

144

BT02 Vol. Filtered Pump 25 - 177 $\overline{\mathbb{C}}$ 7 $\delta_{\mathcal{O}}$ したの 0 Vol. Filtered Pump (1) 124 · 53 (M) 0 Duration 7:0 5 5 N Pump \$0.0 ? のジャダン 5,0.9.0 Range (m) Interval 4 Longitude 76.19.760 76-11-295 0 T 27 912 Latitude 380 Depth 0,0 (\mathbb{H}) 0.0 Time (LMT) 70:0 Station e. G <u>-</u> $\bar{\aleph}$

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O=Oblique, S = Surface, B = Bottom, P = Pycnocline

Interval

page

END HES STANT HAS 815

TRANSPORT Consecutive Station Log: BT12_(O

Time Depth						Interval Range	Pump	Vol. Filtered	Vol. Filtered Pump	BT02
Station		(m)	Latitude	Longitude	Interval	(m)	Duration	Pump (1)	(2)	CLD
	55:19	اه َ م	38°38.093	8h9 bl 3t	8.0	5,3-9.0	10:9	5-22	3-34	
	1	1 (agent'	1	S	5.4-5.0	00:00	34-61	37-68	
	08:25	5.4	38.34.016	76" 16.555	\simeq	6.5-0 "H	6:09	70-94	40) - 25	
20	**		approx.	j i	N	2.5.50	5.57	95-119	108-138	
	5885	5/2	PSC-11-85	98591,20	0		50'.9	15-132	143-174	
	7.15()	4,7	78,42,840	76. 18.738	В	10-07		98) - 5 51	179- 211	
1	517					2,0.0,5		516 - 89)	313 - 24C	
r	50.00		38° 44 .07	76.18,178	Ø	0.5-c.4		552-522	122 - h52	
5			- 100°	all all and a second a second and a second a	V	5.5 - 3.5	21:9	132 - 452	282-319	
1			A Contraction of the Contraction							-
				- The state of the						
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130.50										
E										
1				and the state of t						
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O=Oblique, S = Surface, B = Bottom, P = Pycnocline

BT12 10 Water Sample Log

Date 7/18/12

Station Notes													
Secchi Depth	1,3	[,3	6,9	8 7	8'0								
Time (GMT)		12:35			13:55								
Volume filtered (ml)		20			20								
Fluorometer Voltage 4		45.0			0.73								
OBS Voltage 2		0,63			22'0								
Sample Depth (m)		0,4			9.0								
Station Number	0	70	() }	20 I	21								
Sample Type		3			S								

BT12 / Water Sample Log

	2_														 	T	,	
Station Notes	Temp = 27°-																	
Secchi Depth		0		0.5	8.0	6.9	8'0	9,0	8'0	9.0	Q. Q	8'0	5 .0	h 'Q				
Time (GMT)	2:2			13:23	14:16	14:43		15:42		(6:57			18:04					
Volume filtered (ml)	20			20	00	20		50		O D			2					
Fluorometer Voltage 4				0,86	6,71	0.49		91.		0,23	,		1.86					
OBS Voltage 2				6,49	0,19	6,23		52.0		st'a	}		<u>አት</u> ዕ					
Sample Depth (m)				8.5	6,5	8.5		9.0		7.0			6.67					
Station Number	70	Si mari	College College	21	かゆ	96,	ΥÀ	89	69	<i>Q</i>		13	<i>b</i> 1	(\$				
Sample Type				18	V	pd	`	S		R			И					

Date_

TRANSPORT Consecutive Station Log: BT12 11 Time Depth Latitude Longitude Interval 14 1344 9.0 38 38 38 89 4 35 58 963 0 15 1411 4,0 38 38 88 89 4 35 58 963 0
Tr Consecutive Station Depth (m) Latitude Log 1,

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

Interval

page

Date $\frac{7}{24/12}$

	BT02 CTD						•								\$24.77		*		(14)	r	· A			
	Vol. Filtered Pump (2)				7	331-411	180-181	191-222	227-256	261-291	294-322	326-353	355 - 383	392 - 419	9ント - t2h	88h - 65h	725-264	·	565 - 59b	605- 637	639- 669	677 - F67	724 - 6CL	page
Date 7/24/12	Vol. Filtered Pump (1)		To Com		21 - 12	951 152	158-190	203-236	127-042	283-315	848 - 318	385 - 585	31h- 488	45h - 62h	470- Sol	Fox - 534	12sp - 28s1		199 = 829	トナーナット	710-745	753 - 785	118 - 585	
	Pump Duration	86.2	7000			6:02	0,10	60:03	0000	S. C.	5:59	41.5	5.3	(S)	12415	Sis	5.50		\$5:5				8:38	
grane .	Interval Range (m)		djes	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3300		0	4.5-8.5	07-50	3,0-5.0	١,	5,0-7,0	27-50		5,0-9.5	6.5-4.5	0,5-4.0	6,5-12,0	0.5-60	3.5-7.0	0.5-2.0	0'2-5'h	0,4-20	= Bottom, P = Pycnocline
2 11	Interval	_		V	0	(2)	CONTROL OF THE PARTY OF THE PAR	∞	V	2)(\)	89	5	0	8	***	0	9	S	8	8	ନ	ς,	a, P = Py
TRANSPORT Consecutive Station Log: BT12 11	I onginde	onigroo	+ 11		20.7.02	76.18.583	2000 2000	40.12,213		元。16.66	=	6h6 1107	-	76,10,903	08.03	N	h h 0 't 0 - 9t	76.05,091	=	76.03,496	11	76.00.544		= Surface, B = Botton
nsecutive Stat	1 04:41	autuuc	7 7 0			38-42 80x	970-	38.43.951		38° 47 97	11:	298 05.88		24.30 .05	W C		38, 35, 843	38.35		958,74.85		38°35 373	=	O=Oblique, S = Surf
RT Co	Depth		o o	**	V∕! VÌ	 Vo	***	8	=	7	- - -	4		- 9			2 2	13,0	=	0	4	6	-	
NSPOF	Time	(LIM11)	4549	- vee- - walk	17 17 17	ナいんし		4160	=	82 60) = 0	1 '		1059		-	15 =	17.75		12521		1321	=	.val
TRA		Station	20	N 0	13 13 13	° 0 12	C.	7-7	-	7€	γ γ γ	- ر خ و	§ -S €	1 /p	~ ~	36	60	0	0	_	: =	13		Interval

BT12 12 Water Sample Log Date $\frac{2}{3!}/12$

	Station Notes														7				
Secchi	Depth	١, ५	1,2	6.0	七,0	0,8	6'0	01		8'0	8'9	0,9	0.7	90	S				
Time	(GMT)		8h:21			12.23	5n, 41	15:19)	16:18			82:E1	90:81	54:81				
Volume	filtered (ml)					20	20	30	,	20			2	20	an				
Fluorometer	Voltage 4		6.77			0.21	たと、 0	C3 71		0,17			6,59	1.60	1.83				
OBS	Voltage 2		/۱۷			1,58	0.35	0,65	*- *-,	0,19			0.65	92,9	0.36				
Sample	Depth (m)		<i>1</i> 6′9			5'0	75	5,5		5'0			9,6	ኅ ፡	6173		4		
Station	Number	V V	79	< ∅	20	12	<i>ho</i>	90	1 1	\ \(\(\) \(\)	09	()		13	5				
Sample	Type		6			>		В	\$	5			ß	>	B				

(A)

ري در rt P しから **BT02** CID Vol. Filtered Pump 080 080 2 200 ι_{j} . \ (J^ 639 875 - QQ5 するしてる 376 70 € (2) 675.70 -864 いのに - 958 l 4 <u>()</u> 0 Vol. Filtered 67 \mathcal{O} 784 299 いって SCh-00h 988 Pump (1) 4 7 566-338ata) の自む 200 964 433 ×0× 4 $^{\sim}_{\sim}$ 138 \mathcal{Q} Duration 7:34 5:35 5:33 15:31 C.OS 5.40 っていいいい 00:0 5:33 5:3 50:9 9h.V <u>5. 3</u>2 5:30 Pump 5:34 N: 33 5,0 11 12 12 らから 50.9 00,9 のでする 5.0-0.5 S.9-9.0 デー 5000 35-65 7,0 40 5 ナーンの 0.7-4.0 ر ا ا 10. 7-7. 6.5-2.0 355 CV5 0.5-4.S 3,2-5,0 5.0-9.5 0,5-2.5 7-65 Range Interva (m)0 ي. ~ Interval 0 \bigcirc \Im $\overline{\mathcal{M}}$ 5 <2 \mathcal{C} \triangle \mathcal{C} 0 M 033 3 920 20 76° 18, 224 bth, 51 07-07,950 小子子 76:16:643 Longitude 18.63 % 0,∞ 5 5 50 5 () () 中 90 4 9 47 000 26, 25 35 38° 41, 562 38.38.082 386 \$\frac{\sigma}{\sigma} 500 5 156,28.88 150 KJ 087 Latitude 38,34 38-35 2/2 35 138°78. 98.35 وُہ 10,5 0,0 N Li \supset Depth 0 Ø 10.2 5 0 Ξ C6 Ś d-1 ブァたの 5480 070 1.38 42.21 0433 (LMT) J Time 7.00 1 ~ 300 = (ナロ O(c)de Sc 00 29 7 str O 60 7 \subset 0

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

Interval

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Date 7/31/12

		_				Interval					
Time Depth	Deg	oth (Totituda	Longitude	Interval	Range	Pump	Vol. Filtered	Vol. Filtered Pump	BT02	
		c c	28° 25 391	76.00.75		(m)			2/2-738	16.1. 78 C	ر م
		1	,		<u> </u>	54-50		69t-ort	99 4 - 0/t	**	·
	<u>_</u> `	ررا	36,36,30)	755104	0	9,0,50	20.5	1	208-26		
	şv.	ia ge.	***	₩	V	5000		-808			
4 48:74	Ļ,	<i>አ'</i> ት	38.38,121	45°.85°5F	0	0.4.5.0	48:5	840 - 870	833-860		
	ļ										
Interval O=	Ö	Õ	O=Oblique, S = Surf	= Surface, B = Bottom,	P =	Pycnocline			page	- Je Z	
											4

BT02 CLD Vol. Filtered Pump 2 8 ļ 0 かり Date 8/10/12 Vol. Filtered Pump (1) <u>_</u> 4 54 ا ا Duration Pump ブ J Range 0.5-9 (m) TRANSPORT Consecutive Station Log: BT12_13 Interval 0 のでの、十つの大 795 Longitude 38,32,880 38. 441 Latitude 8 Depth 0 (\mathbf{B}) 12, 0 (LMT) ナペ0 0十七万 Time Station 0 0 60

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

Interval

page

BT12 $| \forall$ Water Sample Log Date $\frac{3}{13}$

						<u>ب</u> (7.4 	(000)	÷			· · ·						
Station Notes						* Thom away Mende#I										:		
Secchi Depth	1,4	۱۰ ۲	1,3		(7,8	ل ک	1.35	1,10	01	(i, c)	0,9	0,9	0,4	C つ つ	ه.			
Time (GMT)		12:13				£0:4)	14.35		15,10			95.91	12:51	(73A	10:81			
Volume filtered (ml)		92				92	OC		γ			UC	20	30	20			
Fluorometer Voltage 4		0.53				0.40	0,81		84.0			82'0	1,35	0.79	1,23			
OBS Voltage 2		41.0				0.16	0,13		0.28			0,18	6,23	(3.74	0.42			
Sample Depth (m)		6.5				0,5	0,5		2'01			5.0	9'0	8.5	0,6			
Station Number	10	20	60	OC	12	40	90	40	80	l(O	01	1	٤١	6)	<u> </u>			
Sample Type		8				S	5		S)			5	Ş	8				

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			1	3 T	1	 · · · ·		,			 	 	V					 	
	BT02 CTD																		
	Vol. Filtered Pump (2)	00-0					The state of the s												
Date 8/10/12	Vol. Filtered Pump (1)		C - 78	•										Address of the second s		,			N .
·	Pump Duration	3	1 5 V	(C)															
	Interval Range (m)	,		6.5.9															P = Pvcnocline
12 13	Interval		0	Ō,															
TRANSPORT Consecutive Station Log: BT1	Longitude	650 to 25		267 11.792					, Land	The state of the s			100		,				O=Oblique, S = Surface, B = Bottom.
onsecutive Sta	Latitude	38,35,88		38" 38.441	:						The state of the s					140			ique, S = Surfa
RT Co	Depth (m)	5.5		0.0															0=0bl
NSPO	Time (LMT)	0730	0747	1 2 3 0															
TRA	Station	60	5	0															Interval

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

page

	BT02 CTD	}					1								-									SANCE
	Vol. Filtered Pump	(h - 5)	43-72	76-105	106-136	135- 170	174-204	206-236	239- 270	272 -616	307-338	341-369	375. 406	407-438	443-473	905-9th	508-536	542-571	601-636	401-636	699 - teg		170 - 742	page
Date 8/13/12	Vol. Filtered	2 - 45	1	79-105	106-132	137-165	172 - 198	722 - 226	231-258	786 - 786	293 - 323	331 - 357		392-419	428-454	460 - 486	487-513	521 - 546	,	579-605	606-633	WWW.	670 - 697	
	Pump	£2:5	5:45	5:43	6,01	0610	6:04	10:0	90.9	5:55	8019	5.55	10.9	5/90	95:5	5:56	5:53	6:01	6:08	47:5	80,0	6:23	ر وزار	
	Interval Range	/.K - 8.5	0,4-5,0	3.5-6.5	0,5-3,0	0.5-5.0	2.5-4.0	0.5-2.0	3,5-4,5	4.0.05	3.0-5.5	0.5-2.5	90-5.0	0545	0.5-5.0	5.5-10,0	0.5-5.0	0540		6,5-120	0,9-5,0		4.5-8,5	P = Pycnocline
2 14	Interval	3		В		0	8		\mathcal{B}	^	Я	S	S	5	Q	R	S	0	rect	ີ 8	S		8	
TRANSPORT Consecutive Station Log: BT1	Lonainde	hill blayt	1	785.910.387	= '	700.71°37	76° 18. 737	11	76.13.214	. 11	76 15. 656	11	508 // .9L	11	76.00.871	76° 08, 017	17	76°07.004	B.12	ド	11	Foreck	760 03.467	Surface, B = Bottom,
nsecutive Sta	Latitude		=	38-39,061	+	38041.11S	38.42.871	1.7	38°43,982	7)	38.42.920		38°28, 374	<i>h</i> ,	38°39.934	F18.)1	18° 35' 818	CID Sun	496'SE_8E	11	- Dailey Pi	38" 34,741	O=Oblique, S = Surf
RT Co	Depth	(m) 6	=	4	5	5,5	4.5	۲,	G.	11	ر) د)	:	0,0	•	۲,۷	111,1	7-	25	ح.	13,1	1.1	ا ا	56	0=0
NSPOI	Time	(11M11) 07-38	3 =	8080	-	0935	2580	13	S130	-	09 48	=	1031	1	9h 01	5011	11	2611	14022S	2021	11	w135	CECI	val
TRAJ	Chation	_	<u></u> 0	70	20	\hat{C}	2		76		کر 0	3	90	9	P. W	Ø 8	80	ج	0.5	0	ō	a	=	Interval

	<u> </u>	I	I			l	<u> </u>	l	l	T	ī	1	T		l	l	 <u> </u>	1	T -			1
	BT02 CTD																					and the same of th
	Vol. Filtered Pump (2)	8CL -SHL	783-813	918-118	82-884	916 -588	458 - 824															page
Date 8/12/12	Vol. Filtered Pump (1)		738- 764				168-198				a a a a a a a a a a a a a a a a a a a	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA									And Andrews	
	Pump Duration	6:07	6:00	8010	_	80:9	(1)															
	Interval Range (m)	4.0-05	3,5-6.5	0.5-3.0	45-8,5	0.5-4.0	0.4.2.0															cnocline
12/4	Interval	- 9	S			>	_															P = Py
TRANSPORT Consecutive Station Log: BT12	Longitude	71	76,00,597	11	75.58,969	L¢	75°58.967								and the state of t							Surface, B = Bottom, P = Pycnocline
nsecutive Sta	Latitude	~	38°35.285		38°36,372	1 (38,38.089											and the second s				O=Oblique, S = Surf
XT Co	Depth (m)	ل ي	0'+		101	5	ナ. ナ															0=0
NSPOF	Time (LMT)	1237	1304) (1330	1330	1350															'al
TRAI	Station	=	13	[3	Ì	3														-		Interval

BT12 | $\frac{4}{12}$ Water Sample Log Date $\frac{3}{12}$

						<u>ب</u> :	7.4 	(000)	÷			· · ·						
Station Notes						* Thom away Mende#I										:		
Secchi Depth	1,4	۱. ۲	1,3		(7,8	ل ک	1.35	1,10	01	(i, c)	0,9	0,9	0,4	C つ つ	ه.			
Time (GMT)		12:13				£0:4)	14.35		15,10			95.91	12:51	(73A	10:81			
Volume filtered (ml)		92				2	OC		γ			UC	20	30	20			
Fluorometer Voltage 4		0.53				0.40	0,81		84.0			82'0	1,35	0.79	1,23			
OBS Voltage 2		41.0				0.16	0,13		0.28			0,18	6,23	(3.74	0.42			
Sample Depth (m)		6.5				0,5	0,5		2'01			5.0	9'0	8.5	0,6			
Station Number	10	20	60	OC	12	40	90	40	80	l(O	01	1	٤١	6)	<u> </u>			
Sample Type		8				S	5		S)			5	Ş	8				

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TRANSPORT Consecutive Station Log: BT12_

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BT02 CID Vol. Filtered Pump 226 629 629 フダス 25 232 329 257 360 531 3 2 لے و 17 3 <u>م</u> M 300-503į 330-378-702ţ 630 203 ケナン 173 599 らかか 500 665 4 29Z 00) _ 34 392 727 Vol. Filtered 5 589 3/9 787 7 2 6&h Date 8/22 +た い た い た 62 Pump(1)5 700 <u>a</u> ہے と <u>/</u>9/ ţ ŧ ĺ ì ١ - 8 CC 一06万 1981 1981 たなっ Ì 279 787 350 256 393 463 593 36 168 00 5 4 N N 6 50:9 いって Duration 2010 9 2,26 00.9 6,03 5:58 N. N. ٥ و. و. Pump ر. مي 2:28 5:59 S S ر د:ه-5:56 7 -. . *(,*'0/ و ک 9 1,0-5,0 20-0.5 6.5-12.0 4,0-7.5 0.5-20 15-45 3,0-5,0 0.5-2.5 5,5-16.0 40-0,5 0,55,0 0.0-5.0 5,0-9,0 0,4-8,0 B,5-4,0 1005 0.5-5.0 40-25 90-20 2.5-3.5 Range nterva 10,5- 4. (H) O. Interval \odot 0 \odot 0 ∞ ∞ S S ∞ S S ∞ \varnothing 595 4 053 781 **5**28 4 8(6)9 58450°77 40 7608.069 76,06,995 Longitude & O 20,81,96 76.16.49 <u>∞</u> H. 19. -70.00 74.05 75, 15 40% 199 2/2 246 +38,37.822 726. 797 38.74.881 38° 43, 925 38°42.869 38°39,000 75,837 3 38038,418 3841,289 Latitude 33 780 24 3 38°39. 380 38° 380 11.0 Depth T Vi <u>ه</u> α ر م 7 5,3 0,3 <u>م</u> (\mathbb{H}) **∑** __ N ح ان = .= $\overline{\zeta}$ _ 0 σ 7 F 180 10Y7 0736 5080 PC80 9460 9771 1252 Time (LMT) 1030 2/10 2 (150 -2 Ξ 2 2 Ξ 5 031 2 9 ナロ 0 5 2 2, 80 0 0 δ کِ

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

Interval

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TRANSPORT Consecutive Station Log: BT12_1S

Date 8/22/12

BT02 CTD Vol. Filtered Pump ナダナ 988-458 728-731 Vol. Filtered 725 - 247 869 Pump (1) 843--822 Duration 70,0 6,00 Pump 6,02 6,03 3,5-6.5 0.5-3.0 0,5-3,0 7.0-40 Range nterval (H) Interval 0 SIN Q 75,58926 76,00,625 Longitude 38, 38, 083 45°58.971 38, 35, 312 38,36,436 Latitude W 6 Depth (E) 4 _ 8051 Time (LMT) 1319 25.50 Station

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

Interval

page 2 of 2

O BT12 15 Water Sample Log

Date 8/22/12

	Station Notes											×						A CANADA CONTRACTOR OF THE CANADA CONTRACTOR O	
Secchi	Depth	1.3	1.2	0,7	0	0,7	0.0	07	0,	0'	ξ ¹ (J)	8,0	(, 0,	5'9	90	5,6			
Time	(GMT)		12:08			15, 30	[4:03	981 H1		15:32			1657	,	1749	18:20	and the state of t	DAMES AND STREET, STRE	
Volume	filtered (ml)		20			2()		20		20			20		20	20			
Fluorometer	Voltage 4		6.74			0.16	0.17	0.47		0,95			0.54		0,92	1.27			The state of the s
OBS	Voltage 2		0,23			O, 44	6.17	0,27		0,18			0, ケア		0,75	Ö, 49			
Sample	Depth (m)		7.5			0,5	0,5	7,7		O.6			% C		70	٥. د			
Station	Number	0	20	03	20	21	04	90	4.0	20	Oî	10		3	2	-7			
Sample	Type		\mathcal{E}		, i	∽	W	8		∨			\bigcirc		8	S			

<u>9</u> TRANSPORT Consecutive Station Log: BT12

3.0-5 **BT02** CID S 0 Vol. Filtered Pump ত 794 324 787 787 てやく シナら 47 ナカ 126 32-161 39/ 96 3 و - 454 364-583-7655 (04 is --819 Į 423 326 393 262 و \ **2** 98 83 Date 8 /24 /12 323 よとの 356 3998 527 460 ا ا ا Vol. Filtered ナるた ~ 673 و ح ک 295 225 77 <u>t 6!</u> ر او 0 Pump (1) 4 ţ · 七の今 ĺ ŧ ŧ 198 330 とナン Z 236 301 399 638 みな 371 433 500 (00) 539 00/ 3 63 7 Duration 6:06 6,04 00:0 Pump 5:59 50:9 6019 6:03 クバの 60,0 10:01 6:06 6,05 5:56 0000 <u>ه</u> ه 6:13 6019 0:0 6:10 6::0 <u>ج</u> ف , 8 \$\sqr 19 2,5-4,0 <u>ي</u> 35-65 0,7-5,0 2,0-3,0 4.5-8.5 2,5-10,0 65-30 0.5-40 0.7 - 2.0 0.6 - 4.0 100.5 ر ا 51-50 0,5-5,0 D.5-4.5 511-53 Range 0.5-6.0 nterva (\mathbb{H}) (O) 0.5 7 S Ø Interval S 0 0 **\(\alpha\)** Ω ∞ 0 Ω ∞ \Diamond ∞ ∇ S Ω2 3 S 9 494 228 424 348 76°06.984 75. 16.929 15.599 76.88.077 75.03,609 76°04.985 Longitude 248 76 11.833 <u>(%</u> 76016. 76.18. 76.19. 76.10. 400 e° 38.35.843 38° 37.842 38° 35.939 38.41.283 t98 38° 43,012 368 34.865 39.048 38-39,952 38.389 5 Latitude 43. 38.45 38° 37 38° °2° 38, ૹ૾ (N) グヤ Depth 4 <u>م</u> م 4,9 و با 3,5 ر ار _ (E) _ = ~ = <u>.</u> ≎ Q Q 7460 1305 0831 707 1240 1054 (LMT) 0829 1019 120 8160 I = __ __ Station 90 20 <u>و</u> **今** 9 70 70 8 0 0 80 20 70 3 2 7

O **√**

O=Oblique, S = Surface, B = Bottom, P = Pycnocline

Interval

TRANSPORT Consecutive Station Log: BT12 [6

Date 8/29/12

	Г					10120101				ſ
Time Depth (LMT) (m)	Depth (m)		Latitude	Longitude	Interval	Range (m)	Pump Duration	Vol. Filtered Pump (1)	Vol. Filtered Pump (2)	BT02 CTD
1335 7.5	7.5		38° 35. 291	76°00,610	ß	3.5-6.5		703-729	tot - 089)	
(1 1,	11		11	1)	S	0,5-3,0	1	757	109-736	
1401 16,5	5'91		38" 36. 314	75.59,003	B	5.0-9.5			739-765	
0 11	O		-	11		5'h - 5'0	80:9	- 819	26t - 99t	
142441		7	\$8°38,077	75.58.977	0	9.E-S.O			828 -008	
			•							
										-
Interval 0=0	0=0	7	O=Oblique, S = Surf	= Surface, B = Bottom	$l_1, P = Py$	Bottom, P = Pycnocline			page	

BT12_16_ Water Sample Log

Date 8/2 4/12

Station Notes																		
Secchi Depth	七门	7.6	1,2	0.9	0,6	0	1.1	[,	1 ,	1,1	6.9	0.6	5,0	0,7	0.5			
Time (GMT)		12:36		13:36		14:37	15:00		16:00			17:10	17:40		18:37			
Volume filtered (ml)		₹©	-	οh		40	40		40			40	40		40			
Fluorometer Voltage 4		0.83		1.14		6.94	0,62		1,39			0,64	せら、0		1,60			
OBS Voltage 2		0.18		0.33		0,21	92'0		0.21			97.0	0.75		0,34			
Sample Depth (m)		9.9		0.6		9,0	8.5		9,0			9,8	6.5		0,0			
Station Number	0 [70	03	$\mathcal{L}_{\mathcal{O}}$	17	ho	٥	七〇	80	69	<i>Q</i> 1	11	٤)	ナー	3			
Sample Type		\otimes		S		\	· &	Ĵ.	S			Ø	B		Λ			

TRANSPORT Consecutive Station Log: BT12 17

Date 9/27/12

								C COLUMN TO THE		
	Time	Denth				Interval Range	Pump	Vol. Filtered	Vol Filtered Pumn	RT02
Station	(LMT)	(m)	Latitude	Longitude	Interval	(m)	Duration	Pump (1)	(2)	CTD
0	0713	9.5	38-38.143	76-19,701	S	5.3-5.h	5.21	さごっと	をて、ナ	
$\overline{\circ}$	3 }	-	مد	stantin Vite	\sim	6,5 - 4,0	7:30	94-85	50-86	
20	3180	7.6	38.39.338	134.16.481	9	3.5 - 6.5	5 54	1.8 - 95	72 - 75	
20	-	-			V	0.5-3.0	90:9	85/ - 78	123-152	
ζ ()	6480	4,9	38°41.250	36.11.97	0	01/h -510	5:58	151 - 711	581-951	
2	七060	ر ال	38° 42,845	26-18.25	g	2,0-3,5	0:0	52-175	t12-681	
<u>C</u>)	Friego) Militaria		Arm.	Magazi Marini	S	511-50	6.50	79-16	452 - 612	
(J	0430	ري دري	38.43,893	76 18.230	\otimes	52-ch	600	282 - tol	251-229	
<u>5</u>	چسو جسو			1	Ŋ	5.5-50	78:9	092 - 882	602 - 027	
0	1005	から	38° 42,908	76. 15. 635	¥	3,0-5.0	51.0	862 - 262	375 - 348	
<u>ک</u> 0			: unitari mang	11	()	5'2-5'0	2029	128 - 008	350150	
9 Q	1040	(1)	38,38.437	76 11.838	w	5,0-90	£1:9	250 - 0EE	381 - 185	
<u>\$</u>	, Prince Marier				(J)	54-50	5.5	185 -35E	の た レ ハ ハ ガ	
40	1106	5,0	28-36,68-38	9.2.0.9.	0	28-20	12:0	312-68	ことん ノンカト	
© 0	2711		38 37. 26 S	36.28.058	8	5.5-10.5	6:20	35h - 77h	ナシアーシャケ	
30	-دو -سري	.5.	Name of the state	mpangang (U)	0.5-5.0	22:0)	Sth-csh	455-805	A CONTRACTOR OF THE CONTRACTOR
00	1200	, t	35.35.844	76. 36. 976	0	5.5-4.0	6:11	to5 28h	t95 -685	
<u> </u>	1218	6.0	28,35,35	76005041	(2)	6.5-12.5	6:18	0/15 - 5/15	699 - 1+5	
<u>0</u>)	Magya Mari	Mentings of the state of the st		Ο	0.5-6,0	6119	t95 - 5h5	059-209	
	1313	8,3	38-34.808	76.03.490	6	4.5-8.0	(0:10	573 - 598	633- (60	
	11				\sim	0.5、好面	7.9	1000 - 624	069 - 699	
Interval	val	0=0ľ	O=Oblique, S = Surfa	Surface, B = Bottom	, $P = Py$	P = Pycnocline			page	######################################

TRANSPORT Consecutive Station Log: BT12 / 7

Date 9/22/12

Station	Time	Depth	I atitude	I onainde	Interval	Interval Range	Pump	Vol. Filtered	Vol. Filtered Pump	BT02
0		(ii)		- A	C			(x) Arm x		
^	ったへ	-	78.52.50	ر بر	0	5.510,5	97:0)			
<u>~</u>	1 1	-	-	NAME OF THE PROPERTY OF THE PR	\sim	0,5-30	6:30	t89 - 099	65七 - 七 2七	
ゴ	シっちし	8/C	38.36,310	75.59.008	T	5.8-2.8	30:0	61t - h69	924 -65E	
J	- spiner - spiner	was:	_	e de la companya de l	V	0,5-5,0	6:26	かんしっても	1	
V	32 h	ر ج	38,38,081	750 58.959	0	5.5-2.0	25:5	£	648 - 818	
									٠	
Interval	val	0=0t	O=Oblique, S = Surf	Surface, B = Bottom	l, P = Py	ı, P = Pycnocline			page	

BT12_[? Water Sample Log

Date 9/27/17

	گ															 	 	
Station Notes	Bott = 22 Salt = 1						Batt = 22 Salt = 14											
Secchi Depth	c . Z	()	<u></u>	0.	6,0	1,3	ブニ	8	51	2 '1	1.2	c'1 <i>6</i> 5	₹′0	子.0	5'9			
Time (GMT)		12:27			13:49	21:11	14.59		15,33		(7:33		17:45	The state of the s	6.7.2			
Volume filtered (ml)		70			20	20	20		07		000		02		\sim		:	
Fluorometer Voltage 4		0.69			0.17	0.54	0,71		0.43		0.08		6.57		1.25			
OBS Voltage 2		0,16			0.23	0,20	0,12		0.11		6.18		子 4 7		0,30			
Sample Depth (m)		£.9			5.0	5.0	0,0		5'01		9'0		5.0		0,6			
Station Number	Ó	20	03	20	7	04	06	40	80	60	10		13	الإ	18			
Sample Type		ß				ß												