

CRN

90-10

DAILY LOG

INSTITUTE OF OCEAN SCIENCES
OCEAN PHYSICS

DATE

29 Jan & 9 Feb.

VESSEL

J.P. Tully

PROJECT

LAP

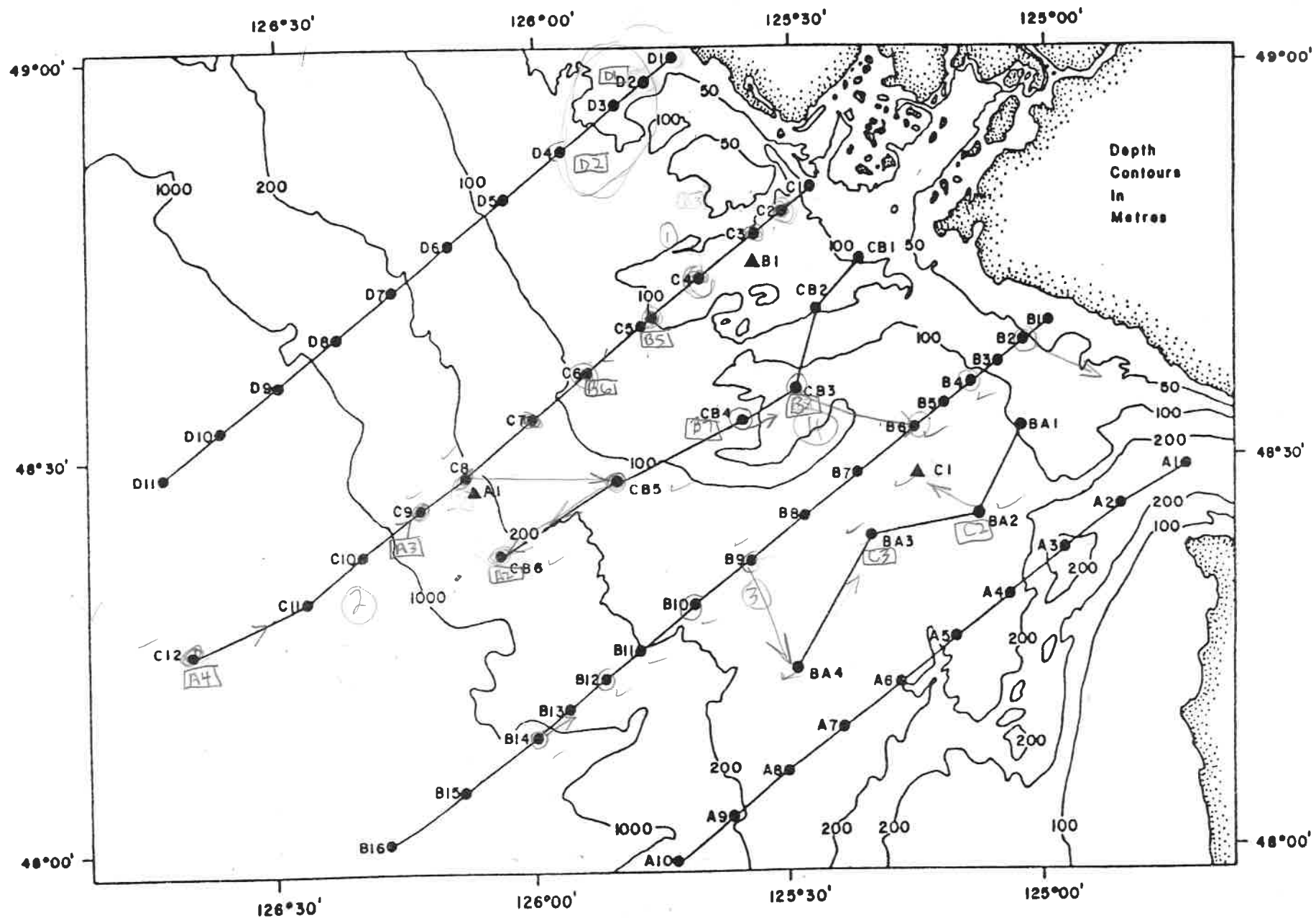


Fig. 1g. La Perouse Bank CTD survey lines and current meter moorings (triangles A1, B1, C1).

8 12 8 12

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[illegible]

line LCO2 to LCO7

0021 6 Feb 8 0523 6 Feb PST

Monday 5 Feb

1330 depart LOS in Provincial gov truck with
Moira
Al Combs
Patrick Cummings
Marcel

1700 depart Port Alberni for Ucluelet

1830 arrive Ucluelet. Snowing heavily both sides of Port Alberni.
Landed answer from J.P. Tully. Delayed going to ship
until weather improves

2250 Tully departs for line LC

Thursday 6 Feb

0000 arrive LC02

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DATE LOG														PAGE 2 OF	
YEAR	1990	MONTH	FEB	TIME ZONE	UTC	SHIP	TULLY	CRUISE	90-10						
DAY	STATION NUMBER	DEPTH SOUNDING (M)	SHIP STOP/START TIME	LATITUDE/LONGITUDE	STD CONSEC. #/DEPTH	STD TIME	HYDRO CONSEC. #/DEPTH	MESSANGER TIME	SALINITY #/CALIBRATION	LOOP OR DEPTH	OXYGEN #	SURFACE TEMPERATURE/	SALINITY	NOTES	
3	13	1539	49°44.48		0739			13							
			127 13.88												
4	14	1900	49 38.9		1100			14							
			126 35.9												
5	15	1546	49 35.4		746			15							
			126 35.9												
5	1	2221	48 57.4		1421			16							
			126 00.1												
6	17	0230	48 55.5		1850			17							
			125 07.2												
6	LC02 93	0800	48 48.93	1	0821	✓		18			8.22				
		0831	125 30.91	83						30.856					
6	LC03 114	0859	48 46.45	2	0902	✓		19			8.23				
		0911	125 33.52	105						30.908					
6	LC04 168	1019	48 43.28	3	1024	✓		20			8.70				
			125 40.55	162						32.218					
6	LC05 66	1134	48 39.81	4	1136	✓		21			8.42			Deploy wooden blocks	
		1145	125 47.39	62						32.164			301 & 375 @ 1145		
6	LC06 85		48 36.57	5	1234	✓		22			8.82				
		1239	125 53.86	83						32.521					
6	LC07 126	1320	48 33.27	6	1323	✓		23			8.94			Deploy wooden blocks	
		1337	126 00.27	121						32.423			# 376 & 450		

6 Feb.

LC12 CTD # 7 to 1508 m

1905 returning to station for plankton haul

1928 250 m haul $< 20^\circ$. Net was tangled.

2137 ~~same~~ LC09

CTD # 8 to 917 m. Probe hit bottom,
250 m bongo haul

2325 CTD # 9 to 192 m at Sta LC08
Bongo haul

7 Feb

0116 CTD # 10 at Sta LC05. Heavy rainfall, wind increasing.

0302 CTD # 11 at Sta LC06. Wind increased to 35 knots.
no bongo haul.

YEAR	90	MONTH	02	TIME	ZONE	UTC	SHIP	Tully	CRUISE	90-10	PAGE	3	OF	
DAY	STATION NUMBER	DEPTH SOUNDING (M)	SHIP STOP/START TIME	LATITUDE/LONGITUDE	STD CONSEC. #/DEPTH	STD TIME	HYDRO CONSEC. #/DEPTH	MESSANGER TIME	SALINITY #/CALIBRATION	LOOP OR DEPTH	OXYGEN #	SURFACE TEMPERATURE/ SALINITY	Bongo	NOTES
6	—		2105	4824.11				24						08 29 10 21
				12631.79										
7	LC12	1580	0204	4815.11	7	0210		25	8.42					wooden blocks (birds) deployed.
				12639.88	1508				32.435					
7	LC12	1580											1.	plankton haul 2480 @0328
7	LC09	892	0540	4824.77	8	0542		26	8.41				2	bot bottom
				12615.80	917				32.42					plankton haul
7	LC08	200	0725	4829.45	9	0730		27	8.73				3	plankton haul - 6180 m
			0802	12607.02	192				32.134					
7	LCB5	121	0916	4828.16	10	0921		28	8.16					
			0929	12549.96	125				29.915					
7	LCB6		1102	4822.83	11	1106		29	8.64					no bongo, wind 35 knots
			1121	12603.04	144				32.251					
8	LB14	1126		4808.41	12	0039		30	8.33					
				12600.57	1157				32.465					
8	LB12	504	0212	4812.94	13	0216		31	8.34					very large wave angle
			0238	12552.32	453				32.					
8	LB11		0310		14	0311			8.36					
			0320		197				30.957					

Stations LB14 to LB09 and LBA4 to PLC1

1600 PST 7 Feb to 0230 8 Feb PST

SKILL Time is fast by one hour. Reads
0139 when UTC time is 0039.
Temperature reads much too high.

Stations LCB4 to LB02

1304 8 Feb to 1730 8 Feb.

2333 - last loop salinity

9 Feb

0745 arrive I.O.S.

YEAR	90	MONTH	02	TIME	ZONE	UTC	SHIP	Tully CG2958	CRUISE	90-10	PAGE	OF	
DAY	STATION NUMBER	DEPTH SOUNDING (M)	SHIP STOP/START TIME	LATITUDE/LONGITUDE	STD CONSEC. #/DEPTH	STD TIME	HYDRO CONSEC. #/DEPTH	MESSANGER TIME	SALINITY #/CALIBRATION LOOP OR DEPTH	OXYGEN #	SURFACE TEMPERATURE/SALINITY	Bongo	NOTES
8	LB10	0325	4815.60					32					
			1254807										
8	LB10	153	0357	4818.59	15	0408		33		8.34			
				12541.36	147					31.244			
8	LB09	153	0454	4822.09	16	0456		34		8.51			
				1253488	147					31.500			
8	LBA4	151	0610	4812.95	17	0612		35		8.43			
			0624	12530.03	141					31.427			
8	LBA3	125	0736	4823.49	18			36		8.57	4		Bongo haul 115m flow meter broken.
				12520.92	125	0738				31.854			
8	LBA2	119	0852	4825.65	19	0856		37		8.80	5		Bongo
				12507.60	114					32.082			
8	PLC1	153	1009	4828.78	20	1014		38			6		Bongo tear in net.
				12515.26	151								
8	LCB4		2104	4832.24	21	2109		39		8.40	7		str B7
				1253833	76					30.966			
8	LCB3	115	2233	4834.48	22	2238		40		8.18	8		str B8
				12529.83	112					30.328			finger touched bottom
9	LB06	115	0001	4832.27	23	0006		41		8.44			
			0013	12515.92	110					31.524			
9	LB04	110	0048	4835.77	24	0052		42		7.96			
			0059	12508.76	105					29.425			

Volume packing of CTD's done 3,508,471 bytes
10 returns

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