第１１章　波の記録

11.1　波の方向

波のデータをとるために使用したＷａｖｅｒｉｄｅｒブイは、波の方向を記録しない。しかし波の方向の観測は、１９７５年８月から１９７６年３月までの間、Ｔｈｅ　Ｂｌｕｆｆ地域を飛行したパイロットが行っており、結果を入手することができた。波の方向の抜粋を以下２ページに付してある。

「磁北」と地図のコバシ目の「北」との関係については、第３巻、図３０を参照されたい。

11.2　ウエイブライダー・ブイ

ウエイブライダー・ブイは１９７６年４月２８日にＴｈｅ　Ｂｌｕｆｆの真南、経度東径１４５°３８′４０″、南緯８°３′４５″の地点に設置された。この地点の水深は約２１ｍである。１９７６年１１月２６日、最初のブイを回収して予備のブイと交換した。

波の記録はロール紙と磁気テープの両方で採った。処理後テープの情報は、コンピューターによりプリントした。総括表は本巻に掲載してある。

風の記録の一例は図３７に示してある。

WAVE DIRECTION OBSERVATIONS - 6 km SOUTH OF THE BLUFF

Date	Time	°Mag.	Date	Time	°Mag.
29.7.75	1400	160	22.8.75	1407	130
29.7.75	1545	140	23.8.75	1330	145
31.7.75	1420	140	24.8.75	0853	150
31.7.75	1620	140	25.8.75	0840	150
1.8.75	1140	140	26.8.75	0842	150
1.8.75	1700	140	28.8.75	0835	150
3.8.75	0942	145	29.8.75	0826	150
3.8.75	1233	145	31.8.75	0845	150
4.8.75	0845	145	1.9.75	1335	145
4.8.75	1040	140	3.9.75	0836	150
4.8.75	1402	145	5.9.75	0830	150
4.8.75	1604	145	6.9.75	0828	150
5.8.75	0830	145	9.9.75	0842	150
5.8.75	1025	Cloud	13.9.75	1340	180
5.8.75	1412	160	19.9.75	0927	160
5.8.75	1620	155	20.9.75	0825	155
7.8.75	1045	145	23.9.75	0835	155
7.8.75	1350	150	25.9.75	1102	155
8.8.75	0845	145	26.9.75	0832	150
9.8.75	0955	150	27.9.75	1245	135
10.8.75	1325	150	30.9.75	0815	150
11.8.75	0915	155	1.10.75	1425	155
13.8.75	0826	150	3.10.75	0822	150
18.8.75	1225	150	10.10.75	1013	150
19.8.75	0820	150	11.10.75	0915	150
21.8.75	0837	150	13.10.75	1020	150

11. Wave Records

WAVE DIRECTION OBSERVATIONS -- 6 km SOUTH OF THE BLUFF

Date	Time	°Mag.	Date	Time	°Mag.
14.10.75	0821	150	22.11.75	1110	150
14.10.75	1310	150	25.11.75	0820	146
15.10.75	0826	150	26.11.75	0945	140
16.10.75	1510	150	27.11.75	1330	150
17.10.75	0837	145	28.11.75	0800	150
18.10.75	1322	150	29.11.75	0940	150
19.10.75	0933	150	4.2.76	0830	275
20.10.75	1240	145	6.2.76	0925	150
21.10.75	1130	145	7.2.76	0830	150
22.10.75	0830	145	8.2.76	1253	150
23.10.75	0930	150	13.2.76	0830	150
24.10.75	0950	150	14.2.76	0825	chop only
26.10.75	0942	135	26.2.76	0945	150
30.10.75	1110	150	27.2.76	1240	150
4.11.75	1435	150	28.2.76	1010	265
5.11.75	1120	153	1.3.76	1030	150
7.11.75	1115	140	2.3.76	1115	150
10.11.75	0935	130	5.3.76	1115	250
11.11.75	0955	140	12.3.76	1330	150
12.11.75	1030	130	20.3.76	0900	255
13.11.75	1510	150	24.3.76	0840	150
14.11.75	1115	150	26.3.76	1350	250
15.11.75	0950	165	27.3.76	1330	270
19.11.75	0828	150	29.3.76	1230	250
20.11.75	1335	160	30.3.76	1100	150
21.11.75	1248	155	31.3.76	0930	150

WAVERIDER BUOY

COMPUTER PRINTOUT OF PROCESSED DATA

SUMMARY SHEETS 1 - 28

COVERING THE PERIOD 3 MAY 1976 TO 21 APRIL 1977

All dimensions are in metres and seconds as appropriate.

The complete set of ink pen traces covering this period is available in the Papua New Guinea Hydroelectric Archives. However because of tape recorder malfunctions and computer digitiser problems, data not included in these printout sheets are as follows:

YEAR	DAY		TIME	
1976	130		0900	
	131		0900	
	172		2100	
	194		0900	
	212		0900	
	235		0900	or 1500
	269		1500	
	334	to	0900	
	341		0900	inclusive
1977	031	to	1500	
	038		0900	inclusive

MAG.TAPE= 0

SITE NO	YEAR	DAY	TIME	OBS.LGTH MINS	TZ	PERIOD (SECS) TS	TC	TP	ENGY DENS M.2/SEC	RMS	WAVE HEIGHTS HSIG	M, HMAX	EPS	WAVE DIR	DATA MAG	ERR NSE	T,FLE	FILE
1	76	124	2100	19.60	5.85	7.72	3.62	9.19	.29	1.46	2.03	3.12	.79	0	.0	.0	1	1
1	76	125	0300	19.53	5.61	7.39	3.49	8.40	.26	1.37	1.95	3.35	.78	0	.0	.0	2	2
1	76	125	0900	19.57	6.05	7.92	3.68	8.72	.19	1.14	1.65	2.58	.79	0	.0	.0	3	3
1	76	125	1500	19.52	6.10	8.23	3.36	8.90	.11	.89	1.28	2.37	.84	0	.0	.0	4	4
1	76	125	2100	18.92	6.72	8.30	3.87	8.95	.15	1.03	1.43	2.80	.82	0	.0	.0	5	5
1	76	126	0300	19.48	6.57	8.30	3.34	8.99	.16	1.07	1.52	2.43	.86	0	.0	.0	6	6
1	76	126	0900	19.75	7.23	8.95	4.11	9.57	.29	1.44	2.06	3.68	.82	0	.0	.0	7	7
1	76	126	1500	19.58	6.28	8.35	3.08	9.48	.16	1.06	1.55	2.32	.87	0	.0	.0	8	8
1	76	126	2100	19.51	5.88	8.14	3.10	9.12	.14	.99	1.40	2.23	.85	0	.0	.0	9	9
1	76	127	0300	19.41	5.47	7.37	3.37	8.95	.12	.90	1.30	2.12	.79	0	.0	.0	10	10
1	76	127	0900	19.47	5.64	7.62	2.76	8.23	.09	.80	1.14	1.65	.87	0	.0	.0	11	11
1	76	127	1500	18.89	5.97	7.85	3.41	8.36	.11	.86	1.22	1.76	.82	0	.0	.0	12	12
1	76	127	2100	19.60	5.94	8.31	3.26	9.48	.13	.96	1.37	2.47	.84	0	.0	.0	13	13
1	76	128	0300	18.19	5.90	8.03	2.92	9.74	.15	1.03	1.46	2.17	.87	0	.0	.0	14	14
1	76	128	0900	18.30	4.86	7.66	2.17	9.51	.10	.78	1.14	2.31	.89	0	.0	.0	15	15
1	76	128	1500	19.55	4.34	6.46	2.36	9.17	.11	.83	1.17	1.87	.84	0	.0	.0	16	16
1	76	128	2100	19.57	4.32	6.49	2.43	8.18	.09	.75	1.07	2.11	.83	0	.0	.0	17	17
1	76	129	0300	19.54	5.12	7.25	2.74	7.99	.08	.71	1.03	1.85	.84	0	.0	.0	18	18
1	76	129	0900	19.43	5.95	7.66	3.52	8.09	.06	.66	.94	1.51	.81	0	.0	.0	19	19
1	76	129	1500	19.62	4.53	6.81	2.23	7.93	.05	.57	.83	1.50	.87	0	.0	.0	20	20
1	76	129	2100	19.57	5.46	7.45	2.86	7.87	.05	.58	.83	1.28	.85	0	.0	.0	21	21
1	76	130	0300	19.47	5.36	7.53	2.91	8.36	.05	.56	.81	1.46	.84	0	.0	.0	22	22
1	76	131	1500	19.72	4.57	5.82	3.03	6.26	.06	.62	.86	1.64	.75	0	.0	.0	23	23
1	76	131	2100	19.48	4.13	5.87	2.59	7.87	.05	.56	.81	1.75	.78	0	.0	.0	24	24
1	76	132	0300	18.93	4.06	5.24	2.70	6.75	.05	.58	.81	1.43	.75	0	.0	.0	25	25
1	76	132	0900	19.56	4.41	6.13	2.79	6.12	.04	.54	.78	1.47	.77	0	.0	.0	26	26
1	76	132	1500	18.95	4.03	5.74	2.26	6.87	.02	.40	.58	.95	.83	0	.0	.0	27	27
1	76	132	2100	19.57	3.60	5.31	2.05	6.61	.02	.36	.52	.84	.81	0	.0	.0	28	28
1	76	133	0300	18.87	3.53	4.79	2.25	5.52	.02	.40	.56	.96	.77	0	.0	.0	29	29
1	76	133	0900	18.37	3.80	5.40	2.30	7.06	.02	.38	.55	.82	.80	0	.0	.0	30	30
1	76	133	1500	19.52	3.41	4.58	2.36	4.94	.03	.42	.60	.93	.72	0	.0	.0	31	31
1	76	133	2100	19.57	4.59	5.84	2.86	5.96	.03	.43	.61	1.02	.78	0	.0	.0	32	32
1	76	134	0300	19.56	4.05	5.63	2.59	6.56	.03	.48	.67	1.05	.77	0	.0	.0	33	33
1	76	134	0900	18.80	4.00	6.11	2.23	6.99	.03	.46	.67	1.32	.83	0	.0	.0	34	34
1	76	134	1500	19.54	3.43	4.93	2.21	6.87	.04	.51	.73	1.17	.76	0	.0	.0	35	35
1	76	134	2100	19.57	4.57	6.72	2.46	7.58	.06	.64	.92	1.68	.84	0	.0	.0	36	36
1	76	135	0300	19.62	3.12	4.35	2.14	8.09	.05	.53	.75	1.51	.73	0	.0	.0	37	37
1	76	135	0900	19.60	3.95	5.26	2.58	5.17	.06	.73	1.03	1.81	.76	0	.0	.0	38	38
1	76	135	1500	18.87	4.19	6.23	2.38	6.05	.05	.58	.84	1.34	.82	0	.0	.0	39	39
1	76	135	2100	19.57	3.94	5.82	2.39	8.44	.08	.69	1.00	1.61	.79	0	.0	.0	40	40
1	76	136	0300	19.57	5.06	7.55	2.53	8.35	.08	.71	1.05	1.49	.87	0	.0	.0	41	41
1	76	136	0900	19.54	5.75	7.71	3.39	8.54	.08	.72	1.04	1.79	.81	0	.0	.0	42	42
1	76	136	1500	19.58	5.41	7.26	3.27	8.28	.08	.75	1.08	1.74	.80	0	.0	.0	43	43
1	76	136	2100	19.61	3.93	5.76	2.43	7.76	.05	.58	.83	1.68	.79	0	.0	.0	44	44
1	76	137	0300	19.46	4.28	6.36	2.48	7.69	.04	.47	.68	1.13	.81	0	.0	.0	45	45
1	76	137	0900	19.62	4.16	6.14	2.57	7.39	.03	.43	.63	1.04	.79	0	.0	.0	46	46
1	76	137	1500	18.82	4.36	6.72	2.25	8.32	.03	.44	.63	1.12	.86	0	.0	.0	47	47
1	76	137	2100	19.53	5.71	8.41	2.72	9.23	.04	.51	.75	1.48	.88	0	.0	.0	48	48
1	76	138	0300	19.55	5.92	8.48	2.93	9.00	.05	.57	.83	1.31	.87	0	.0	.0	49	49
0	76	138	0900	19.44	6.27	8.75	2.80	9.23	.08	.73	1.07	1.46	.89	0	.0	.0	50	50
1	76	138	1500	19.57	6.99	8.75	3.20	9.29	.12	.94	1.33	2.06	.89	0	.0	.0	51	51

SITE NO	YEAR	DAY	TIME	OBS.LGTH MINS	PERIOD (SECS) TZ	TS	TC	TP	ENGY DENS M.2/SEC	WAVE RMS	HEIGHTS HSIG	HMAX	M, EPS	WAVE DIR	DATA MAG	ERR NSE	T,FLE	FILE
1	76	138	2100	19.51	6.23	8.43	3.11	9.03	.13	.96	1.38	2.03	.87	0	.0	.0	52	52
1	76	139	0300	19.61	6.19	8.06	3.40	8.24	.14	.99	1.41	2.76	.84	0	.0	.0	53	53
1	76	139	0900	19.58	5.62	7.59	3.54	8.32	.13	.93	1.34	2.16	.78	0	.0	.0	54	54
1	76	139	1500	19.55	5.12	6.90	3.23	7.95	.11	.84	1.21	2.26	.78	0	.0	.0	55	55
1	76	139	2100	19.75	5.64	7.41	3.25	8.48	.15	1.02	1.46	2.55	.82	0	.0	.0	56	56
1	76	140	0300	18.96	5.47	7.21	3.07	8.17	.12	.92	1.30	2.19	.83	0	.0	.0	57	57
1	76	140	0900	19.59	4.94	7.46	2.79	8.45	.12	.89	1.33	1.84	.83	0	.0	.0	58	58
1	76	140	1500	19.42	5.80	7.94	3.13	8.51	.12	.88	1.28	2.76	.84	0	.0	.0	59	59
1	76	140	2100	19.54	6.08	7.48	3.78	8.25	.11	.87	1.23	2.00	.78	0	.0	.0	60	60
1	76	141	0300	18.96	5.17	6.63	3.17	7.74	.07	.71	1.02	1.87	.79	0	.0	.0	61	61
1	76	141	0900	19.82	5.53	7.02	3.43	7.55	.11	.81	1.16	3.67	.78	0	.0	.0	62	62
1	76	141	1500	19.79	4.81	6.85	2.70	7.51	.12	.87	1.26	2.47	.83	0	.0	.0	63	63
1	76	141	2100	19.13	5.39	7.08	3.15	7.97	.23	1.24	1.75	3.63	.81	0	.0	.0	64	64
1	76	142	0300	19.77	5.03	6.95	2.98	8.07	.16	1.02	1.48	2.79	.81	0	.0	.0	65	65
1	76	142	0300	19.56	5.87	7.11	4.30	7.87	.15	1.03	1.44	2.27	.68	0	.0	.0	66	66
1	76	142	1500	19.53	4.97	6.58	3.26	7.79	.11	.86	1.22	1.96	.76	0	.0	.0	67	67
1	76	142	2100	18.85	5.07	7.03	3.09	8.35	.20	1.17	1.69	2.86	.79	0	.0	.0	68	68
1	76	143	0300	16.82	4.67	6.28	3.10	8.59	.63	1.97	2.02	22.84	.75	0	.0	.0	69	69
1	76	143	0900	19.43	4.78	6.72	3.23	7.41	.22	1.19	1.73	2.77	.74	0	.0	.0	70	70
1	76	143	[illegible] 1500	19.56	4.79	6.58	2.95	7.42	.18	1.11	1.59	2.94	.79	0	.0	.0	71	71
1	76	143	[illegible] 2100	19.77	4.96	6.70	3.10	7.93	.21	1.21	1.72	2.95	.78	0	.0	.0	72	72
1	76	144	[illegible] 0300	19.73	4.64	6.53	2.86	6.96	.18	1.10	1.60	2.88	.79	0	.0	.0	73	73
1	76	144	[illegible] 0900	19.02	5.09	6.69	3.04	7.22	.14	.98	1.44	2.45	.80	0	.0	.0	74	74
1	76	144	[illegible] 1500	19.61	6.13	7.07	3.86	7.83	.14	1.01	1.42	2.70	.78	0	.0	.0	75	75
1	76	144	[illegible] 2100	19.56	4.62	6.22	2.93	7.87	.12	.89	1.29	2.21	.77	0	.0	.0	76	76
1	76	145	[illegible] 0300	19.75	4.36	6.11	2.87	6.94	.10	.82	1.18	2.25	.75	0	.0	.0	77	77
1	76	145	[illegible] 0900	19.57	4.93	6.53	3.22	7.15	.09	.81	1.16	1.75	.76	0	.0	.0	78	78
1	76	145	1500	19.59	5.13	6.32	3.28	6.81	.08	.78	1.10	1.58	.77	0	.0	.0	80	79
1	76	145	2100	19.55	4.93	6.21	3.16	6.95	.07	.67	.96	1.74	.77	0	.0	.0	81	80
1	76	146	0300	19.54	4.25	6.35	2.52	7.12	.07	.64	.94	1.85	.80	0	.0	.0	82	81
1	76	146	0900	18.33	4.36	6.41	2.44	6.88	.05	.58	.85	1.35	.83	0	.0	.0	83	82
1	76	146	1500	18.92	3.65	5.78	1.97	6.70	.04	.46	.68	1.19	.84	0	.0	.0	84	83
1	76	146	2100	19.61	5.01	6.63	2.88	7.02	.04	.54	.78	1.62	.82	0	.0	.0	85	84
1	76	147	0300	19.51	5.13	7.01	3.15	6.79	.05	.56	.80	1.31	.79	0	.0	.0	86	85
1	76	147	0900	19.60	5.07	6.76	3.08	6.87	.03	.46	.66	1.07	.79	0	.0	.0	87	86
1	76	147	1500	19.58	4.74	6.36	2.79	6.35	.03	.42	.61	1.02	.81	0	.0	.0	88	87
1	76	147	2100	18.93	4.88	6.69	3.00	6.46	.03	.47	.69	1.11	.79	0	.0	.0	89	88
1	76	148	0300	16.94	4.82	6.45	2.64	6.88	.04	.54	.79	1.25	.84	0	.0	.0	90	89
1	76	148	0900	18.91	5.53	6.82	3.40	6.81	.04	.53	.75	1.41	.79	0	.0	.0	91	90
1	76	148	1500	19.57	5.36	6.73	3.47	6.92	.03	.45	.65	1.04	.76	0	.0	.0	92	91
1	76	148	2100	19.77	5.84	7.35	3.30	7.45	.07	.72	1.00	1.43	.82	0	.0	.0	93	92
1	76	149	0300	19.61	5.45	6.82	3.33	7.40	.15	1.05	1.46	2.01	.79	0	.0	.0	94	93
1	76	149	0900	18.96	5.22	6.84	3.02	7.87	.16	1.05	1.48	2.55	.82	0	.0	.0	95	94
1	76	149	1500	18.97	5.81	7.53	3.77	7.90	.13	.96	1.37	2.10	.76	0	.0	.0	96	95
1	76	149	2100	18.96	4.99	6.85	2.99	8.26	.22	1.21	1.74	3.85	.80	0	.0	.0	97	96
1	76	150	0300	19.51	5.57	7.23	2.97	8.17	.13	.96	1.37	2.44	.85	0	.0	.0	98	97
1	76	150	0900	18.87	5.10	7.26	2.60	8.22	.10	.80	1.15	1.59	.86	0	.0	.0	99	98
1	76	150	1500	18.89	6.71	7.67	4.68	7.97	.10	.84	1.15	1.98	.72	0	.0	.0	100	99
1	76	150	2100	19.58	5.73	7.52	3.35	8.06	.08	.76	1.08	1.83	.81	0	.0	.0	101	100
1	76	151	0300	19.52	5.27	7.39	2.72	7.90	.10	.80	1.17	2.01	.86	0	.0	.0	102	101
1	76	151	0900	19.61	5.91	7.36	3.35	7.89	.11	.88	1.25	2.15	.82	0	.0	.0	103	102

SITE NO	YEAR	DAY	TIME	OBS.LGTH MINS	PERIOD (SECS) TZ	TS	TC	TP	ENGY DENS M.2/SEC	RMS	WAVE HEIGHTS HSIG	HMAX	M, EPS	WAVE DIR	DATA MAG	ERR NSE	T.FLE	FILE
1	76	151	1500	19,81	6.39	7.80	3.36	8.16	.12	.91	1,27	2,62	.85	0	.0	.0	104	103
1	76	151	2100	19.72	5.80	7.57	3.48	8.24	.09	.79	1.11	3,81	.80	0	.0	.0	105	104
1	76	152	0300	18.95	6.28	8.17	3.59	8.51	.13	.93	1.35	2,34	.82	0	.0	.0	106	105
1	76	152	0900	19.58	6.83	8.18	3.85	8.50	.09	.83	1.15	1,89	.83	0	.0	.0	107	106
1	76	152	1500	19.57	5.76	7.99	2.54	8.49	.10	.81	1.18	1,89	.90	0	.0	.0	109	107
1	76	152	2100	18,89	6.06	8.26	3.15	8.57	.11	.89	1.30	2,13	.85	0	.0	.0	110	108
1	76	153	0300	19.55	6.05	7.65	2.83	8.10	.08	.75	1.05	1,47	.88	0	.0	.0	111	109
1	76	153	0900	18.81	5.56	7.73	2.89	8.19	.07	.70	1.00	1,35	.85	0	.0	.0	112	110
1	76	153	1500	19.42	6.37	7.95	3.21	8.14	.08	.77	1.10	1,81	.86	0	.0	.0	113	111
1	76	153	2100	19.55	4.69	7.08	2.37	8.49	.08	.68	.98	1,88	.86	0	.0	.0	114	112
1	76	154	0300	19.60	4.92	6.73	3.00	8.07	.07	.71	1.02	1,80	.79	0	.0	.0	115	113
1	76	154	0900	19.59	5.47	7.28	3.13	7.97	.08	.72	1.01	2,10	.82	0	.0	.0	116	114
1	76	154	1500	19.49	5.54	7.78	3.20	9.16	.06	.64	.92	1,63	.82	0	.0	.0	117	115
1	76	154	2100	19.48	5.43	7.86	2.84	9.77	.09	.78	1.12	1,72	.85	0	.0	.0	118	116
1	76	155	0300	19.46	5.84	8.04	3.36	9.56	.11	.86	1.22	1,74	.82	0	.0	.0	119	117
1	76	155	0900	19.46	6.05	8.08	3.09	9.14	.09	.81	1.13	1,99	.86	0	.0	.0	120	118
1	76	155	1500	19.81	6.68	8.71	3.54	9.52	.09	.78	1.11	1,52	.85	0	.0	.0	121	119
1	76	155	2100	19.53	4.63	6.31	2.76	9.30	.14	.94	1.35	2,24	.80	0	.0	.0	122	120
1	76	156	0300	19.11	5.03	6.78	2.84	7.12	.15	1.03	1.47	2,43	.83	0	.0	.0	123	121
1	76	156	0900	19.53	5.66	7.33	3.26	8.13	.14	1.00	1.41	2,54	.82	0	.0	.0	124	122
1	76	156	1500	19.53	6.27	7.49	3.82	8.21	.12	.93	1.33	2,11	.79	0	.0	.0	125	123
1	76	156	2100	19.13	4.89	6.32	2.89	7.47	.17	1.08	1.54	2,89	.81	0	.0	.0	126	124
1	76	157	0300	19.57	4.75	6.63	2.88	8.09	.19	1.10	1.59	2,60	.79	0	.0	.0	127	125
1	76	157	0900	19.74	5.24	6.55	3.26	7.96	.26	1.36	1.87	2,95	.76	0	.0	.0	128	126
1	76	157	1500	19.53	4.86	6.54	2.98	7.93	.19	1.14	1.66	2,84	.79	0	.0	.0	129	127
1	76	157	2100	18.97	4.80	6.32	3.12	7.18	.18	1.12	1.59	2,60	.76	0	.0	.0	130	128
1	76	158	0300	19.58	4.38	6.00	2.85	7.03	.11	.85	1.23	2,02	.76	0	.0	.0	131	129
1	76	158	0900	18.86	5.12	6.67	3.40	7.10	.10	.83	1.19	1,67	.75	0	.0	.0	132	130
1	76	158	1500	18.90	5.48	6.92	3.25	8.04	.10	.84	1.19	1,78	.81	0	.0	.0	133	131
1	76	158	2100	19.47	5.06	6.86	3.21	8.68	.15	.99	1.40	2,32	.77	0	.0	.0	134	132
1	76	159	0300	19.77	5.13	6.95	3.18	8.36	.19	1.14	1.60	3,11	.79	0	.0	.0	135	133
1	76	159	0900	19.62	5.53	7.01	3.23	8.04	.15	1.03	1.45	2,42	.81	0	.0	.0	136	134
1	76	159	1500	18.84	4.73	6.64	2.95	8.15	.18	1.09	1.58	2,77	.78	0	.0	.0	137	135
1	76	159	2100	18.91	5.16	6.79	3.40	7.92	.22	1.25	1.76	3,29	.75	0	.0	.0	138	136
1	76	160	0300	18.44	4.87	6.26	3.02	6.30	.16	1.06	1.51	2,22	.78	0	.0	.0	139	137
1	76	160	0900	19.55	5.24	6.91	3.01	7.94	.10	.84	1.17	1,66	.82	0	.0	.0	140	138
1	76	160	1500	18.20	5.08	7.14	2.65	8.05	.06	.66	.93	1,57	.85	0	.0	.0	141	139
1	76	160	2100	18.24	5.47	7.78	2.96	8.46	.06	.61	.90	1,42	.84	0	.0	.0	142	140
1	76	161	0300	18.87	5.58	7.68	2.90	8.44	.06	.66	.95	1,32	.85	0	.0	.0	143	141
1	76	161	0900	19.47	6.15	7.98	3.11	8.44	.09	.82	1.18	1,76	.86	0	.0	.0	144	142
1	76	161	1500	19.76	5.95	7.70	3.28	8.53	.12	.92	1.30	2,97	.83	0	.0	.0	145	143
1	76	161	2100	19.54	5.31	7.10	3.36	8.48	.23	1.26	1.79	2,97	.77	0	.0	.0	146	144
1	76	162	0300	18.38	5.42	6.79	3.57	7.69	.24	1.27	1.77	3,50	.75	0	.0	.0	147	145
1	76	162	0900	19.58	5.41	7.05	3.44	8.46	.11	.90	1.27	2,06	.77	0	.0	.0	148	146
1	76	162	1500	19.57	5.79	7.04	3.31	8.38	.09	.81	1.14	1,79	.82	0	.0	.0	149	147
1	76	162	2100	18.85	6.58	8.54	3.89	8.96	.16	1.08	1.53	2,52	.81	0	.0	.0	150	148
1	76	163	0300	19.74	7.40	8.79	4.32	9.54	.21	1.24	1.75	3,34	.81	0	.0	.0	151	149
1	76	163	0900	19.45	6.59	8.90	3.16	9.80	.22	1.24	1.79	2,54	.88	0	.0	.0	152	150
1	76	163	1500	18.28	6.61	9.22	3.06	9.70	.22	1.22	1.79	3,09	.89	0	.0	.0	153	151
1	76	163	2100	19.48	6.96	8.52	4.07	9.44	.19	1.17	1.60	2,99	.81	0	.0	.0	154	152
1	76	164	0300	18.83	6.69	8.32	4.31	9.23	.16	1.06	1.51	2,24	.76	0	.0	.0	155	153

SITE NO	YEAR	DAY	TIME	OBS,LGTH MINS	TZ	PERIOD (SECS) TS	TC	TP	ENGY DENS M,2/SEC	WAVE RMS	HEIGHTS HSIG	M, HMAX	WAVE EPS	DATA DIR	ERR MAG	NSE	T,FLE	FILE
1	76	164	0900	19.58	6.18	7.83	3.36	8.93	.14	.99	1.39	2.26	.84	0	.0	.0	156	154
1	76	164	1500	19.73	6.65	8.41	3.42	9.07	.15	1.04	1.44	2.14	.86	0	.0	.0	157	155
1	76	164	2100	19.81	5.69	7.81	3.27	9.46	.13	.94	1.35	2.44	.82	0	.0	.0	158	156
1	76	165	0300	19.81	6.46	8.30	4.00	9.03	.25	1.33	1.92	3.16	.78	0	.0	.0	159	157
1	76	165	0900	19.62	6.84	8.57	4.13	9.63	.21	1.22	1.71	2.46	.80	0	.0	.0	160	158
1	76	165	1500	18.87	6.78	8.71	3.59	9.60	.17	1.08	1.54	2.40	.85	0	.0	.0	161	159
1	76	165	2100	19.56	5.78	8.13	3.22	9.13	.15	1.00	1.47	2.68	.83	0	.0	.0	162	160
1	76	166	0300	18.23	6.14	8.53	2.90	9.40	.18	1.10	1.61	3.36	.88	0	.0	.0	163	161
1	76	166	0900	19.64	6.66	7.97	3.94	8.91	.15	1.07	1.48	2.12	.81	0	.0	.0	164	162

MAG.TAPE= 0

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* * TZ	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* M.2/SEC	WAVE *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE EPS*	*DATA DIR*	ERR* MAG	NSE*	T.FLE*	FILE*
1	76	166	1500	18.51	6.38	8.60	3.11	9.57	.14	.95	1.39	2.52	.87	0	.0	.0	0	1
1	76	166	2100	19.57	4.89	6.70	3.10	8.94	.19	1.11	1.59	2.68	.77	0	.0	.0	1	2
1	76	167	0300	19.56	6.08	7.59	3.61	8.27	.21	1.23	1.74	3.62	.80	0	.0	.0	2	3
1	76	167	0900	19.41	6.40	7.94	3.93	8.54	.22	1.25	1.71	3.10	.79	0	.0	.0	3	4
1	76	167	1500	11.86	6.65	8.32	4.29	8.65	.18	1.16	1.60	2.39	.76	0	.0	.0	4	5
1	76	167	2100	19.55	5.24	6.61	3.45	7.10	.25	1.33	1.86	3.19	.75	0	.0	.0	6	6
0	76	168	0300	19.49	5.39	7.17	3.45	8.09	.26	1.37	1.91	2.91	.77	0	.0	.0	7	7
1	76	168	0900	18.74	5.65	7.45	3.42	8.26	.20	1.18	1.67	2.58	.80	0	.0	.0	8	8
1	76	168	1500	18.78	5.75	7.66	3.16	8.37	.12	.94	1.33	2.21	.83	0	.0	.0	9	9
1	76	168	2100	19.50	4.92	6.63	3.21	7.93	.19	1.14	1.63	3.06	.76	0	.0	.0	10	10
1	76	169	0300	19.53	6.14	7.61	3.77	8.27	.21	1.26	1.71	2.35	.79	0	.0	.0	11	11
1	76	169	0900	19.42	5.91	7.70	3.39	8.62	.18	1.13	1.61	2.52	.82	0	.0	.0	12	12
1	76	169	1500	19.48	5.26	6.45	3.32	6.52	.21	1.24	1.76	3.06	.78	0	.0	.0	13	13
1	76	169	2100	18.92	5.25	6.52	3.42	7.43	.28	1.42	2.01	3.03	.76	0	.0	.0	14	14
1	76	170	0300	19.55	5.26	6.44	3.48	7.77	.20	1.17	1.63	2.57	.75	0	.0	.0	15	15
1	76	170	0900	19.49	5.30	6.83	3.29	7.34	.15	1.02	1.46	2.25	.79	0	.0	.0	16	16
1	76	170	1500	19.23	5.92	7.38	3.38	8.24	.13	.97	1.36	2.02	.82	0	.0	.0	17	17
1	76	170	2100	18.68	5.87	7.30	3.41	8.17	.12	.96	1.33	2.35	.81	0	.0	.0	18	18
1	76	171	0300	18.92	5.14	6.47	3.36	7.17	.14	.99	1.39	2.31	.76	0	.0	.0	19	19
1	76	171	0900	18.67	5.72	6.62	3.30	7.17	.10	.85	1.20	2.00	.82	0	.0	.0	20	20
1	76	171	1500	18.11	5.25	6.60	3.08	7.50	.08	.74	1.05	1.61	.81	0	.0	.0	21	21
1	76	171	2100	18.90	4.28	5.53	2.90	6.87	.10	.82	1.14	2.00	.74	0	.0	.0	22	22
1	76	172	0300	19.50	4.47	5.72	2.92	6.69	.14	.97	1.37	2.10	.76	0	.0	.0	23	23
1	76	172	0900	19.50	5.32	6.46	3.42	6.79	.12	.95	1.32	2.07	.77	0	.0	.0	24	24
1	76	172	1500	19.52	4.37	5.53	3.09	6.03	.15	1.01	1.42	2.28	.71	0	.0	.0	25	25
1	76	173	0300	19.59	5.00	6.26	3.10	7.12	.20	1.22	1.71	3.01	.78	0	.0	.0	27	26
1	76	173	0900	19.31	5.10	6.69	3.20	7.39	.14	.99	1.39	2.54	.78	0	.0	.0	28	27
1	76	173	1500	19.55	5.05	6.26	3.26	8.00	.13	.94	1.29	2.09	.76	0	.0	.0	29	28
1	76	173	2100	18.81	5.15	6.57	3.22	7.69	.12	.92	1.29	2.77	.78	0	.0	.0	30	29
1	76	174	0300	18.83	4.35	5.77	2.94	7.04	.11	.88	1.23	2.35	.74	0	.0	.0	31	30
1	76	174	0900	19.57	4.36	5.62	2.95	6.00	.12	.92	1.31	1.99	.74	0	.0	.0	32	31
1	76	174	1500	18.94	4.51	5.79	3.00	7.18	.09	.81	1.13	1.95	.75	0	.0	.0	33	32
1	76	174	2100	19.50	4.32	5.57	2.92	6.85	.09	.79	1.11	1.82	.74	0	.0	.0	34	33
1	76	175	0300	19.53	4.76	5.57	3.19	6.02	.05	.63	.89	1.48	.74	0	.0	.0	35	34
1	76	175	0900	19.55	4.22	5.61	2.77	6.19	.03	.44	.62	1.34	.76	0	.0	.0	36	35
1	76	175	1500	21.93	4.51	5.32	3.08	5.15	.04	.56	.78	1.14	.73	0	.0	.0	37	36
1	76	175	2100	18.91	3.62	4.82	2.38	5.51	.06	.65	.93	1.74	.75	0	.0	.0	38	37
1	76	176	0300	19.57	3.69	4.72	2.44	5.41	.06	.66	.94	1.52	.75	0	.0	.0	39	38
1	76	176	0900	19.52	4.47	5.36	3.04	5.86	.07	.70	1.00	1.92	.73	0	.0	.0	40	39
1	76	176	1500	19.60	4.54	5.90	2.77	6.19	.06	.65	.94	1.73	.79	0	.0	.0	41	40
1	76	176	2100	19.53	4.21	5.69	2.64	6.32	.12	.91	1.29	2.40	.78	0	.0	.0	42	41
1	76	177	0300	19.51	4.76	5.13	3.01	6.79	.10	.86	1.22	2.12	.78	0	.0	.0	43	42
1	76	177	0900	18.95	5.05	6.29	3.12	6.86	.08	.76	1.07	1.55	.78	0	.0	.0	44	43
1	76	177	1500	19.60	4.56	5.93	2.74	6.82	.09	.78	1.11	1.61	.80	0	.0	.0	45	44
1	76	177	2100	19.60	4.31	5.74	2.61	6.86	.07	.72	1.03	1.83	.80	0	.0	.0	46	45
1	76	178	0300	19.56	4.66	6.54	2.81	7.56	.10	.83	1.21	2.00	.80	0	.0	.0	47	46
1	76	178	0900	18.67	5.93	7.21	3.74	8.06	.10	.86	1.20	1.91	.78	0	.0	.0	48	47
1	76	178	1500	19.47	5.56	7.03	3.37	7.63	.08	.75	1.07	1.78	.80	0	.0	.0	49	48
1	76	178	2100	19.45	5.55	6.68	3.31	7.28	.06	.65	.91	1.34	.80	0	.0	.0	50	49
1	76	179	0300	19.52	4.31	5.53	2.87	6.31	.08	.73	1.03	1.81	.75	0	.0	.0	51	50
1	76	179	0900	18.74	4.65	6.25	3.16	6.77	.08	.73	1.04	1.71	.76	0	.0	.0	52	51

SITE NO	*YEAR *	DAY	TIME	OBS-LGTH MINS	* TZ	PERIOD (SECS) TS	TC	*ENGY DENS* WAVE TH* M.2/SEC	*RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE*DATA ERR* EPS*	DIR*	MAG	NSE*	T-FLE*	FILE*
1	76	180	1500	19.52	5.10	6.45	3.04	7.00 .09	.80	1.13	1.87	.81	0	.0	.0	53	52
1	76	180	2100	19.59	4.20	5.83	2.73	6.98 .07	.68	.97	1.79	.77	0	.0	.0	54	53
1	76	181	0300	19.58	4.80	6.04	2.95	5.95 .08	.77	1.09/	1.74	.80	0	.0	.0	55	54
1	76	181	0900	18.92	5.09	6.43	3.32	6.98 .06	.65	.90	1.40	.76	0	.0	.0	56	55
1	76	181	1500	19.51	4.60	6.51	2.89	7.73 .04	.50	.72	1.23	.78	0	.0	.0	57	56
1	76	181	2100	18.97	4.30	6.16	2.53	7.79 .04	.48	.68	1.11	.82	0	.0	.0	58	57
1	76	182	0300	18.23	4.99	6.86	2.85	8.76 .05	.55	.79	1.18	.82	0	.0	.0	59	58
1	76	182	0900	19.53	5.07	6.52	2.99	6.55 .04	.54	.77	1.27	.81	0	.0	.0	60	59
1	76	182	1500	18.93	4.80	6.34	2.83	6.50 .04	.54	.77	1.53	.81	0	.0	.0	61	60
1	76	182	2100	19.55	5.90	5.04	2.68	5.39 .07	.68	.96/	1.65	.72	0	.0	.0	62	61
1	76	183	0300	19.60	4.54	5.49	3.05	5.97 .10	.87	1.22	2.11	.74	0	.0	.0	63	62
1	76	183	0900	19.59	4.61	5.81	3.27	6.15 .08	.75	1.06	2.14	.71	0	.0	.0	64	63
1	76	183	1500	19.53	5.05	6.16	3.39	6.80 .09	.80	1.12	1.67	.74	0	.0	.0	65	64
1	76	183	2100	19.55	4.46	5.75	2.89	6.46 .11	.88	1.24	2.08	.76	0	.0	.0	66	65
1	76	184	0300	18.81	5.06	6.27	3.05	6.93 .17	1.13	1.56	2.76	.80	0	.0	.0	67	66
1	76	184	0900	19.53	5.12	6.28	3.34	6.94 .11	.89	1.24	2.15	.76	0	.0	.0	68	67
1	76	184	1500	19.53	5.07	6.38	3.18	7.14 .09	.82	1.16	1.81	.78	0	.0	.0	69	68
1	76	184	2100	19.63	4.50	5.86	2.89	7.01 .09	.79	1.14	1.83	.77	0	.0	.0	70	69
1	76	185	0300	19.58	5.00	6.33	3.22	7.14 .14	1.00	1.41	2.52	.77	0	.0	.0	71	70
1	76	185	0900	19.50	5.60	6.72	3.80	7.14 .12	.95	1.32	1.84	.74	0	.0	.0	72	71
1	76	185	1500	19.54	5.19	6.44	3.36	7.21 .16	1.07	1.50	2.78	.76	0	.0	.0	73	72
1	76	185	2100	19.62	5.14	6.57	3.57	7.15 .29	1.45	2.07	3.27	.72	0	.0	.0	74	73
1	76	186	0300	19.53	5.07	6.23	3.44	7.23 .26	1.35	1.87	3.75	.74	0	.0	.0	75	74
1	76	186	0900	18.90	5.04	6.30	3.44	6.98 .26	1.37	1.92	3.35	.73	0	.0	.0	76	75
1	76	186	1500	19.54	5.05	6.54	3.20	6.94 .21	1.23	1.73	2.91	.77	0	.0	.0	77	76
1	76	186	2100	19.52	5.18	6.54	3.43	7.13 .30	1.47	2.11	3.53	.75	0	.0	.0	78	77
1	76	187	0300	18.63	5.15	6.58	3.24	7.32 .23	1.27	1.80	3.11	.78	0	.0	.0	79	78
1	76	187	0900	19.63	4.85	6.29	3.18	7.00 .15	1.04	1.46	2.51	.76	0	.0	.0	80	79
1	76	187	1500	19.48	4.81	6.20	3.04	7.00 .14	1.02	1.42	2.55	.77	0	.0	.0	81	80
1	76	187	2100	19.48	5.15	6.32	3.35	6.90 .19	1.20	1.68	3.17	.76	0	.0	.0	82	81
1	76	188	0300	19.51	5.15	6.47	3.25	7.12 .26	1.37	1.95	3.06	.77	0	.0	.0	83	82
1	76	188	0900	19.47	5.41	6.22	3.47	6.95 .25	1.37	1.91	3.37	.77	0	.0	.0	84	83
1	76	188	1500	19.53	5.05	6.47	3.26	7.06 .20	1.22	1.72	2.66	.76	0	.0	.0	85	84
1	76	188	2100	19.53	5.16	6.45	3.55	7.02 .29	1.41	2.02	3.37	.73	0	.0	.0	86	85
1	76	189	0300	18.86	5.17	6.54	3.43	7.24 .25	1.33	1.91	3.08	.75	0	.0	.0	87	86
1	76	189	0900	19.57	5.44	6.40	3.61	6.94 .16	1.08	1.54	2.51	.75	0	.0	.0	88	87
1	76	189	1500	18.92	5.46	6.86	3.51	7.46 .16	1.09	1.55	2.56	.77	0	.0	.0	89	88
1	76	189	2100	19.60	4.96	6.27	3.23	7.16 .17	1.09	1.53	2.42	.75	0	.0	.0	90	89
1	76	190	0300	19.49	5.15	6.55	3.48	7.11 .25	1.32	1.68	3.17	.74	0	.0	.0	91	90
1	76	190	0900	18.89	5.15	6.66	3.48	7.37 .23	1.26	1.80	2.90	.74	0	.0	.0	92	91
1	76	190	1500	19.57	5.31	6.73	3.42	7.57 .23	1.29	1.81	3.20	.76	0	.0	.0	93	92
1	76	190	2100	19.57	5.19	6.63	3.49	7.32 .25	1.34	1.93	3.38	.74	0	.0	.0	94	93
1	76	191	0300	18.87	5.42	6.70	3.67	7.17 .29	1.45	2.07	3.29	.74	0	.0	.0	95	94
1	76	191	0900	19.52	5.77	7.04	3.61	8.05 .22	1.28	1.77	2.77	.78	0	.0	.0	96	95
1	76	191	1500	19.51	5.34	7.28	3.43	8.05 .25	1.31	1.90	3.31	.77	0	.0	.0	97	96
1	76	191	2100	19.57	5.78	7.41	3.51	8.32 .46	1.79	2.58	4.65	.79	0	.0	.0	98	97
1	76	192	0300	19.43	6.65	8.36	3.95	9.41 .50	1.93	2.71	3.94	.80	0	.0	.0	99	98
1	76	192	0900	19.49	5.94	8.36	3.77	9.54 .32	1.49	2.15	2.85	.77	0	.0	.0	100	99
1	76	192	1500	19.38	6.53	8.23	3.62	9.83 .30	1.46	2.07	3.20	.83	0	.0	.0	101	100
1	76	192	2100	19.53	5.96	8.21	3.28	10.18 .20	1.17	1.67	2.68	.84	0	.0	.0	102	101
1	76	193	0300	19.50	5.55	7.54	3.52	9.83 .23	1.26	1.81	3.60	.77	0	.0	.0	103	102

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* * TZ	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* WAVE M-2/SEC	*RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE*DATA ERR* EPS*	DIR*	MAG	NSE*	T.FLE*	FILE*
1	76	193	0900	18.84	5.44	7.07	3.10	7.91	.13	.95	1.34	2.38	.82	0	.0	.0	104	103
1	76	193	1500	19.48	6.57	8.42	4.12	9.43	.14	.99	1.41	2.28	.78	0	.0	.0	105	104
1	76	193	2100	18.22	5.04	6.98	2.87	9.64	.12	.88	1.24	1.93	.82	0	.0	.0	106	105
1	76	194	0300	19.58	4.82	6.57	3.06	9.45	.15	.97	1.38	2.57	.77	0	.0	.0	107	106
1	76	194	0900	19.44	5.25	7.05	3.27	9.61	.11	.86	1.22	1.68	.78	0	.0	.0	276	273
1	76	194	1500	19.57	4.96	7.21	3.04	10.47	.13	.91	1.31	2.24	.79	0	.0	.0	277	274
1	76	194	2100	19.49	5.24	6.70	3.37	10.06	.11	.87	1.22	2.16	.77	0	.0	.0	278	275
1	76	195	0300	19.53	5.32	7.36	3.18	9.53	.10	.82	1.17	1.89	.80	0	.0	.0	279	276
1	76	195	0900	19.52	5.55	7.83	3.05	9.39	.07	.70	1.00	1.58	.84	0	.0	.0	280	277
1	76	195	1500	19.61	4.76	6.99	2.86	9.20	.07	.66	.95	1.51	.80	0	.0	.0	281	278
1	76	195	2100	19.49	5.15	7.41	3.00	9.55	.07	.64	.92	1.51	.81	0	.0	.0	282	279
1	76	196	0300	19.55	5.92	8.10	3.26	9.14	.07	.71	1.01	1.57	.84	0	.0	.0	283	280
1	76	196	0900	19.59	5.76	8.22	3.06	9.60	.06	.62	.90	1.46	.85	0	.0	.0	284	281
1	76	196	1500	19.58	5.87	7.95	3.18	8.92	.06	.63	.90	1.47	.84	0	.0	.0	285	282
1	76	196	2100	19.57	5.59	8.84	2.75	10.16	.06	.59	.87	1.38	.87	0	.0	.0	286	283
1	76	197	0300	19.57	5.44	8.13	3.15	9.55	.08	.70	1.01	1.55	.82	0	.0	.0	287	284
1	76	197	0900	18.82	6.41	8.97	3.39	9.66	.04	.54	.78	1.16	.85	0	.0	.0	288	285
1	76	197	1500	19.56	5.17	7.87	2.67	8.71	.04	.52	.76	1.62	.86	0	.0	.0	289	286
1	76	197	2100	19.50	5.25	6.59	3.35	9.25	.09	.80	1.13	1.64	.77	0	.0	.0	290	287
1	76	198	0300	19.53	4.55	6.30	3.04	6.76	.11	.85	1.22	1.95	.74	0	.0	.0	291	288
1	76	198	0900	19.53	4.69	5.97	2.97	6.42	.16	1.05	1.48	2.58	.77	0	.0	.0	292	289
1	76	198	1500	19.54	5.05	6.58	3.04	7.86	.23	1.28	1.81	3.16	.80	0	.0	.0	293	290
1	76	198	2100	18.86	5.27	7.44	3.10	8.75	.23	1.22	1.76	2.82	.81	0	.0	.0	294	291
1	76	199	0300	19.58	5.39	7.52	2.81	8.63	.13	.93	1.34	1.91	.85	0	.0	.0	295	292
1	76	199	0900	18.69	6.13	8.23	3.83	8.74	.10	.81	1.17	1.62	.78	0	.0	.0	296	293
1	76	199	1500	18.79	5.93	8.02	2.93	8.67	.11	.87	1.24	2.11	.87	0	.0	.0	297	294
1	76	200	0300	19.47	5.64	7.62	3.52	8.78	.10	.80	1.14	2.13	.78	0	.0	.0	298	295
1	76	200	0900	18.80	7.80	9.75	4.38	10.45	.38	1.64	2.35	3.96	.83	0	.0	.0	299	296
1	76	200	1500	19.49	6.84	9.14	4.15	9.93	.28	1.34	1.93	3.53	.80	0	.0	.0	300	297
1	76	200	2100	19.54	5.95	8.20	3.26	9.72	.24	1.28	1.82	2.75	.84	0	.0	.0	301	298
1	76	201	0300	19.47	5.67	7.64	3.49	9.55	.23	1.25	1.77	3.19	.79	0	.0	.0	302	299
1	76	201	0900	19.38	6.25	7.99	3.74	9.63	.17	1.08	1.54	2.35	.80	0	.0	.0	303	300
1	76	201	1500	19.51	5.66	7.43	3.35	8.95	.11	.86	1.21	2.00	.81	0	.0	.0	248	245
1	76	201	2100	19.45	4.92	6.45	3.15	9.23	.17	1.06	1.48	2.46	.77	0	.0	.0	249	246
1	76	202	0300	19.58	5.00	6.62	3.25	6.38	.22	1.21	1.73	2.79	.76	0	.0	.0	250	247
1	76	202	0900	18.88	5.01	6.60	3.27	7.70	.19	1.14	1.62	2.67	.76	0	.0	.0	251	248
1	76	202	1500	19.54	4.96	6.07	2.96	7.48	.14	1.00	1.41	2.51	.76	0	.0	.0	252	249
1	76	202	2100	18.78	4.96	6.42	3.14	6.95	.21	1.21	1.69	2.88	.77	0	.0	.0	253	250
1	76	203	0300	19.57	5.15	6.18	3.30	6.80	.27	1.40	1.94	3.54	.77	0	.0	.0	254	251
1	76	203	0900	18.90	5.64	7.27	3.53	8.40	.34	1.55	2.16	3.25	.78	0	.0	.0	255	252
1	76	203	1500	18.68	5.29	7.39	3.29	8.52	.30	1.42	2.05	3.51	.78	0	.0	.0	256	253
1	76	203	2100	18.82	5.25	7.00	3.31	8.61	.27	1.36	1.91	2.99	.78	0	.0	.0	257	254
1	76	204	0300	19.53	5.21	7.04	3.07	8.25	.26	1.30	1.89	3.08	.81	0	.0	.0	258	255
1	76	204	0900	19.52	5.63	7.51	3.37	8.32	.17	1.07	1.54	2.30	.80	0	.0	.0	259	256
1	76	204	1500	18.82	5.11	6.95	3.25	7.96	.19	1.17	1.67	2.47	.77	0	.0	.0	260	257
1	76	204	2100	19.59	5.07	7.01	3.13	9.10	.23	1.22	1.79	3.25	.79	0	.0	.0	261	258
1	76	205	0300	18.76	5.36	7.27	3.32	8.31	.24	1.29	1.85	3.26	.79	0	.0	.0	262	259
1	76	205	0900	18.85	5.54	7.17	3.37	7.85	.19	1.18	1.67	2.65	.79	0	.0	.0	263	260
1	76	205	1500	18.84	4.85	6.56	2.96	7.97	.14	.95	1.35	2.29	.79	0	.0	.0	264	261
1	76	205	2100	18.82	5.45	7.12	3.04	8.09	.14	.99	1.39	1.88	.83	0	.0	.0	265	262
1	76	206	0300	19.59	4.70	6.34	3.14	6.93	.13	.92	1.33	2.15	.78	0	.0	.0	266	263
1	76	206	0900	19.47	5.41	7.12	3.34	8.01	.12	.90	1.27	2.27	.79	0	.0	.0	267	264

SITE NO	*YEAR	DAY	TIME	OBS.LGTH MINS	* TZ	PERIOD (SECS) TS	TC	TE*	*ENGY DENS* M.P/SEC	WAVE *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE* EPS*	DATA ERR* DIR*	MAG	NSE*	T.FLE*	FILE*
1	76	206	1500	19.52	5.00	6.78	2.99	7.81	.10	.83	1.18	1.86	.80	0	.0	.0	268	265
1	76	206	2100	18.26	5.07	6.56	3.38	8.06	.17	1.07	1.50	2.53	.75	0	.0	.0	269	266
1	76	207	0300	19.53	5.14	6.41	3.30	6.54	.14	.99	1.40	2.26	.77	0	.0	.0	270	267
1	76	207	0900	18.83	4.75	6.73	3.03	8.00	.10	.79	1.15	1.92	.77	0	.0	.0	271	268
1	76	207	1500	19.52	4.86	6.88	2.81	9.47	.08	.73	1.06	1.64	.82	0	.0	.0	272	269
1	76	207	2100	18.96	4.80	7.03	2.82	9.64	.08	.69	.98	1.73	.81	0	.0	.0	273	270
1	76	208	0300	19.54	4.79	6.74	2.87	9.31	.07	.66	.94	1.62	.80	0	.0	.0	274	271
1	76	208	0900	19.37	5.35	7.32	3.07	8.68	.06	.65	.92	1.56	.82	0	.0	.0	275	272
1	76	208	1500	19.57	4.36	6.28	2.77	8.47	.06	.60	.86	1.54	.77	0	.0	.0	220	218
1	76	208	2100	19.49	4.41	6.36	2.69	8.86	.06	.60	.85	1.32	.79	0	.0	.0	221	219
1	76	209	0300	19.55	4.51	6.54	2.73	9.15	.04	.50	.73	1.28	.80	0	.0	.0	222	220
1	76	209	0900	19.60	4.20	6.34	2.75	8.06	.03	.39	.57	1.24	.76	0	.0	.0	223	221
1	76	209	1500	19.53	4.49	6.49	2.66	8.89	.03	.41	.60	.86	.81	0	.0	.0	224	222
1	76	209	2100	19.62	4.00	5.84	2.66	8.47	.04	.48	.71	1.16	.75	0	.0	.0	225	223
1	76	210	0300	18.25	5.05	6.83	3.20	6.64	.05	.61	.87	1.23	.77	0	.0	.0	226	224
1	76	210	0900	19.60	4.65	6.74	2.56	6.91	.05	.56	.81	1.44	.83	0	.0	.0	227	225
1	76	210	1500	19.55	4.87	7.16	2.73	8.11	.06	.59	.86	1.55	.83	0	.0	.0	228	226
1	76	210	2100	19.60	4.07	5.47	2.72	7.07	.06	.64	.90	1.58	.74	0	.0	.0	229	227
1	76	211	0300	19.58	4.76	6.40	3.15	6.63	.10	.83	1.20	1.93	.75	0	.0	.0	230	228
1	76	211	0900	19.56	5.12	6.71	3.42	7.62	.09	.78	1.11	1.80	.74	0	.0	.0	231	229
1	76	211	1500	18.90	5.10	7.78	3.61	8.21	.10	.85	1.19	1.83	.81	0	.0	.0	232	230
1	76	211	2100	18.22	5.26	6.92	3.17	7.69	.07	.71	1.00	1.43	.80	0	.0	.0	233	231
1	76	212	0300	18.87	5.03	6.39	3.65	7.17	.12	.90	1.30	1.85	.69	0	.0	.0	234	232
1	76	212	1500	18.91	4.36	5.94	3.03	7.17	.11	.88	1.25	2.09	.72	0	.0	.0	236	233
1	76	212	2100	18.84	4.56	5.98	2.95	6.40	.11	.86	1.22	2.07	.76	0	.0	.0	237	234
1	76	213	0300	19.58	4.84	5.78	3.33	6.22	.12	.97	1.33	2.36	.73	0	.0	.0	238	235
1	76	213	0900	19.57	4.66	6.08	3.25	6.76	.08	.73	1.04	2.23	.72	0	.0	.0	239	236
1	76	213	1500	19.54	4.97	6.13	3.14	6.83	.05	.62	.86	1.54	.78	0	.0	.0	240	237
1	76	213	2100	19.47	4.54	5.60	2.91	5.79	.10	.84	1.19	2.20	.74	0	.0	.0	241	238
1	76	214	0300	19.57	4.45	5.55	3.38	6.26	.16	1.04	1.47	2.60	.65	0	.0	.0	242	239
1	76	214	0900	19.53	4.78	6.19	3.14	6.74	.12	.91	1.29	2.13	.75	0	.0	.0	243	240
1	76	214	1500	18.81	4.32	5.73	3.13	6.56	.11	.85	1.23	1.85	.69	0	.0	.0	244	241
1	76	214	2100	18.86	4.51	5.82	3.03	6.28	.13	.96	1.36	2.17	.74	0	.0	.0	245	242
1	76	215	0300	19.59	4.15	5.39	2.97	5.82	.16	1.03	1.47	2.71	.70	0	.0	.0	246	243
1	76	215	0900	19.40	4.24	5.55	2.80	6.67	.11	.86	1.23	1.98	.75	0	.0	.0	247	244
1	~~76~~	~~215~~	~~1500~~	19.53	3.97	5.49	2.61	6.16	.06	.61	.87	1.48	.75	500	.0	.0*****		190
1	76	215	2100	19.56	3.83	5.05	2.84	5.47	.07	.68	.96	1.48	.67	0	.0	.0	193	191
1	76	216	0300	19.48	3.99	5.37	2.76	6.12	.10	.82	1.19	2.14	.72	0	.0	.0	194	192
1	76	216	0900	19.55	4.53	5.83	3.19	6.25	.07	.69	.98	1.64	.71	0	.0	.0	195	193
1	76	216	1500	18.92	3.76	4.95	2.72	5.36	.07	.70	.99	1.55	.70	0	.0	.0	196	194
1	76	216	2100	19.57	5.10	6.42	3.31	7.07	.19	1.15	1.63	2.82	.76	0	.0	.0	197	195
1	76	217	0300	19.53	4.44	6.01	3.02	7.16	.15	.98	1.40	2.28	.73	0	.0	.0	198	196
1	76	217	0900	18.82	4.85	6.39	3.10	7.15	.10	.84	1.20	1.77	.77	0	.0	.0	199	197
1	76	217	1500	19.50	4.37	5.80	2.81	7.30	.07	.71	1.00	1.64	.77	0	.0	.0	200	198
1	76	217	2100	18.88	4.46	5.65	2.95	5.16	.10	.82	1.18	1.92	.75	0	.0	.0	201	199
1	76	218	0300	19.55	4.39	5.52	3.02	6.26	.14	.97	1.37	2.22	.73	0	.0	.0	202	200
1	76	218	0900	19.57	5.15	6.47	3.32	7.47	.09	.81	1.14	1.89	.76	0	.0	.0	203	201
1	76	218	1500	19.57	4.24	5.97	2.84	7.25	.07	.69	.99	1.96	.74	0	.0	.0	204	202
1	76	218	2100	19.50	4.21	5.81	2.75	8.35	.07	.68	.96	1.76	.76	0	.0	.0	205	203
1	76	219	0300	19.53	4.44	5.56	2.87	5.35	.10	.83	1.17	2.23	.76	0	.0	.0	206	204
1	76	219	0900	19.58	4.76	6.36	2.90	8.51	.06	.62	.88	1.63	.79	0	.0	.0	207	205

SITE NO	*YEAR	DAY	TIME	OBS.LGTH MINS	* PERIOD (SECS) * TZ	TS	TC	*ENGY DENS* WAVE TP*	M.2/SEC	HEIGHTS *RMS	HSIG	M. * HMAX*	*WAVE*DATA ERR* EPS* DIR*	MAG	NSE*	T.FLE*	FILE*	* FILE*
1	76	219	1500	19.46	4.56	6.29	2.96	6.43	.05	.58	.82	1.35	.76	0	.0	.0	208	206
1	76	219	2100	19.54	4.69	6.90	2.71	9.40	.06	.62	.88	1.47	.82	0	.0	.0	209	207
1	76	220	0300	18.95	4.21	5.57	2.79	8.24	.06	.62	.88	1.41	.75	0	.0	.0	210	208
1	76	220	0900	19.53	3.95	5.69	2.56	8.55	.05	.52	.76	1.35	.76	0	.0	.0	211	209
1	76	220	1500	18.81	4.34	5.87	3.07	8.26	.04	.50	.71	1.06	.71	0	.0	.0	212	210
1	76	220	2100	19.50	4.01	5.79	2.95	8.53	.03	.42	.59	1.00	.77	0	.0	.0	213	211
1	76	221	0300	19.57	3.89	5.46	2.89	8.42	.03	.40	.57	.94	.67	0	.0	.0	214	212
1	76	221	0900	19.61	4.10	5.52	2.67	8.13	.03	.40	.55	1.03	.76	0	.0	.0	215	213
1	76	221	1500	19.57	4.22	5.89	2.86	8.01	.02	.39	.56	1.01	.74	0	.0	.0	216	214
1	76	221	2100	19.54	3.22	4.47	2.29	7.43	.02	.34	.49	.42	.70	0	.0	.0	217	215
1	76	222	0300	19.57	3.59	4.74	2.51	4.18	.03	.41	.58	1.06	.71	0	.0	.0	218	216
1	76	222	0900	19.37	3.34	4.24	2.49	4.68	.03	.47	.65	1.01	.67	0	.0	.0	219	217
1	76	222	1500	18.85	4.11	5.18	2.81	5.36	.05	.56	.79	1.52	.73	0	.0	.0	108	107
1	76	222	2100	19.59	3.63	4.61	2.55	5.02	.03	.45	.63	1.02	.71	0	.0	.0	109	108
1	76	223	0300	19.54	3.69	4.82	2.65	5.00	.03	.47	.66	1.09	.70	0	.0	.0	110	109
1	76	223	0900	19.58	3.63	4.84	2.67	5.42	.04	.51	.72	1.22	.68	0	.0	.0	111	110
1	76	223	1500	18.92	3.59	4.75	2.64	5.45	.03	.41	.59	1.16	.68	0	.0	.0	112	111
1	76	223	2100	19.57	3.14	4.37	2.33	4.66	.02	.32	.47	.80	.67	0	.0	.0	113	112
1	76	224	0300	19.56	3.43	4.77	2.43	5.60	.02	.32	.46	.74	.70	0	.0	.0	114	113
1	76	224	0900	19.60	3.62	4.88	2.49	6.19	.02	.33	.47	.81	.73	0	.0	.0	115	114
1	76	224	1500	19.57	3.46	4.77	2.36	5.95	.01	.26	.38	.75	.73	0	.0	.0	116	115
1	76	224	2100	19.60	3.27	4.43	2.33	7.02	.01	.26	.37	.57	.70	0	.0	.0	117	116
1	76	225	0300	18.90	3.11	4.54	2.10	7.51	.01	.21	.30	.53	.74	0	.0	.0	118	117
1	76	225	0900	19.54	2.81	3.58	2.14	7.80	.01	.28	.39	.66	.65	0	.0	.0	119	118
1	76	225	1500	19.57	2.76	3.39	2.17	3.22	.01	.30	.42	.70	.62	0	.0	.0	120	119
1	76	225	2100	19.56	3.57	4.44	2.54	4.95	.05	.58	.82	1.18	.70	0	.0	.0	121	120
1	76	226	0300	19.60	4.26	5.20	3.05	5.73	.13	.94	1.33	2.13	.70	0	.0	.0	122	121
1	76	226	0900	18.92	4.11	5.53	2.87	6.22	.13	.93	1.31	2.15	.72	0	.0	.0	123	122
1	76	226	1500	18.91	4.81	6.06	3.13	6.95	.14	1.01	1.42	2.66	.76	0	.0	.0	124	123
1	76	226	2100	19.57	4.53	5.89	3.09	6.69	.19	1.15	1.63	2.80	.73	0	.0	.0	125	124
1	76	227	0300	19.55	4.95	6.35	3.25	7.26	.23	1.28	1.83	2.65	.75	0	.0	.0	126	125
1	76	227	0900	18.85	4.71	6.20	2.99	7.05	.18	1.14	1.60	2.53	.77	0	.0	.0	127	126
1	76	227	1500	19.55	4.85	6.36	3.05	7.14	.14	.97	1.39	2.40	.78	0	.0	.0	128	127
1	76	227	2100	18.68	4.39	5.82	2.83	6.92	.13	.95	1.35	2.21	.77	0	.0	.0	129	128
1	76	228	0300	19.60	4.82	6.21	3.14	7.17	.21	1.20	1.70	2.82	.76	0	.0	.0	130	129
1	76	228	0900	18.94	5.01	6.47	3.41	6.86	.26	1.35	1.93	3.48	.73	0	.0	.0	131	130
1	76	228	1500	19.52	4.54	6.41	3.03	7.13	.17	1.06	1.55	2.54	.74	0	.0	.0	132	131
1	76	228	2100	18.68	4.57	6.18	3.01	6.71	.18	1.10	1.57	2.48	.75	0	.0	.0	133	132
1	76	229	0300	19.48	4.71	5.94	3.13	6.44	.18	1.13	1.60	2.43	.75	0	.0	.0	134	133
1	76	229	0900	19.57	4.83	6.07	3.17	6.94	.16	1.07	1.49	2.31	.76	0	.0	.0	135	134
1	76	229	1500	18.87	4.86	6.29	3.09	7.82	.18	1.10	1.56	2.33	.77	0	.0	.0	136	135
1	76	229	2100	18.91	4.81	6.11	3.23	6.76	.19	1.18	1.68	2.83	.74	0	.0	.0	137	136
1	76	230	0300	18.03	5.01	6.33	3.21	7.11	.16	1.08	1.53	2.84	.77	0	.0	.0	138	137
1	76	230	0900	18.87	4.46	6.18	2.99	7.06	.12	.90	1.28	2.65	.74	0	.0	.0	139	138
1	76	230	1500	19.57	4.55	6.19	3.00	7.65	.14	.96	1.35	2.13	.75	0	.0	.0	140	139
1	76	230	2100	19.58	5.13	6.76	3.26	7.55	.16	1.06	1.54	2.62	.77	0	.0	.0	141	140
1	76	231	0300	19.49	4.93	6.36	3.17	7.32	.17	1.08	1.53	2.78	.77	0	.0	.0	142	141
1	76	231	0900	19.50	5.25	6.84	3.46	7.82	.14	.99	1.43	2.40	.75	0	.0	.0	143	142
1	76	231	1500	19.60	4.92	6.56	2.93	7.41	.09	.79	1.12	1.97	.80	0	.0	.0	144	143
1	76	231	2100	19.50	4.68	6.48	3.16	7.78	.13	.91	1.31	2.63	.74	0	.0	.0	145	144
1	76	232	0300	19.55	5.05	6.74	3.16	7.46	.16	1.05	1.50	3.27	.78	0	.0	.0	146	145

SITE NO	*YEAR	DAY	TIME	OBS.LGTH MINS	* TZ	PERIOD (SECS) TS	TC	*ENGY DENS* TP* M.2/SEC	*RMS	WAVE HEIGHTS HSIG	M. * HMAX*	*WAVE EPS*	*DATA ERR* DIR*	MAG	NSE*	*T.FLE*	FILE*
1	76	232	0900	18.93	5.62	7.34	3.33	8.02	.13	.96	1.38	2.08	.81	0	.0	.0	147	146
1	76	232	1500	19.65	5.04	6.71	3.21	7.50	.17	1.12	1.58	3.91	.77	0	.0	.0	148	147
1	76	232	2100	19.57	5.24	6.83	3.57	7.22	.29	1.42	2.03	3.00	.73	0	.0	.0	149	148
1	76	233	0300	19.61	5.12	6.63	3.52	7.05	.28	1.39	1.97	3.02	.73	0	.0	.0	150	149
1	76	233	0900	19.48	5.13	6.70	3.47	7.74	.24	1.29	1.84	2.96	.74	0	.0	.0	151	150
1	76	233	1500	19.62	5.19	6.57	3.36	7.07	.24	1.31	1.82	3.83	.76	0	.0	.0	152	151
1	76	233	2100	19.56	5.51	6.70	3.59	7.26	.31	1.49	2.08	3.80	.76	0	.0	.0	153	152
1	76	234	0300	18.26	5.53	6.99	3.42	7.92	.35	1.60	2.24	3.95	.79	0	.0	.0	154	153
1	76	234	0900	19.54	5.45	6.95	3.50	7.61	.26	1.37	1.94	3.25	.77	0	.0	.0	155	154
1	76	234	1500	19.51	4.90	6.33	3.22	7.73	.23	1.25	1.76	3.18	.75	0	.0	.0	156	155
1	76	234	2100	19.46	5.36	6.97	3.55	8.01	.23	1.25	1.81	2.79	.75	0	.0	.0	157	156
1	76	235	0300	18.87	5.42	6.91	3.42	7.57	.23	1.26	1.80	2.89	.78	0	.0	.0	158	157
1	~~76~~	~~235~~	~~****~~	(3)	5.50	7.30	3.52	7.94	.15	1.03	1.48	2.37	.77	500	.0	.0	*****	158
1	76	235	2100	19.57	5.13	6.66	3.29	7.28	.20	1.17	1.65	2.56	.77	0	.0	.0	161	159
1	76	236	0300	19.55	5.56	7.11	3.29	8.02	.19	1.16	1.64	3.50	.81	0	.0	.0	162	160
1	76	236	0900	18.72	4.95	6.61	3.26	7.28	.11	.87	1.26	1.96	.75	0	.0	.0	163	161
1	76	236	1500	19.57	4.91	6.56	3.01	7.47	.12	.90	1.28	2.21	.79	0	.0	.0	164	162
1	76	236	2100	19.50	4.94	6.42	3.42	7.50	.20	1.16	1.64	2.89	.72	0	.0	.0	165	163
1	76	237	0300	18.85	5.09	6.27	3.46	7.02	.21	1.22	1.73	2.89	.73	0	.0	.0	166	164
1	76	237	0900	19.57	5.10	6.50	3.24	7.20	.13	.97	1.37	2.06	.77	0	.0	.0	167	165
1	76	237	1500	18.94	4.96	6.33	3.23	7.11	.11	.87	1.24	1.86	.75	0	.0	.0	168	166
1	76	237	2100	19.56	4.33	5.58	3.02	5.85	.11	.85	1.21	2.22	.72	0	.0	.0	169	167
1	76	238	0300	19.57	4.59	5.92	3.25	6.31	.10	.82	1.19	2.04	.71	0	.0	.0	170	168
1	76	238	0900	19.57	4.74	5.88	2.99	6.40	.07	.71	1.01	1.66	.77	0	.0	.0	171	169
1	76	238	1500	18.90	4.20	5.62	2.91	6.21	.07	.69	1.00	1.63	.72	0	.0	.0	172	170
1	76	238	2100	19.53	4.00	5.17	2.84	5.73	.07	.69	.99	1.73	.70	0	.0	.0	173	171
1	76	239	0300	19.60	4.52	5.78	2.98	6.15	.07	.69	.96	1.63	.75	0	.0	.0	174	172
1	76	239	0900	18.27	3.86	5.23	2.62	5.69	.05	.57	.81	1.32	.74	0	.0	.0	175	173
1	76	239	1500	18.62	4.06	5.39	2.60	6.38	.04	.54	.78	1.20	.77	0	.0	.0	176	174
1	76	239	2100	19.62	3.80	4.75	2.71	4.66	.05	.61	.86	1.27	.70	0	.0	.0	177	175
1	76	240	0300	19.57	4.10	5.34	2.99	5.56	.05	.58	.82	1.33	.69	0	.0	.0	178	176
1	76	240	0900	18.89	4.26	5.59	2.80	5.63	.04	.50	.72	1.16	.75	0	.0	.0	179	177
1	76	240	1500	18.95	4.21	5.74	2.60	6.42	.04	.52	.74	1.35	.79	0	.0	.0	180	178
1	76	240	2100	19.62	4.17	5.78	2.76	6.92	.06	.62	.88	1.53	.75	0	.0	.0	181	179
1	76	241	0300	19.51	4.54	6.19	2.92	7.31	.05	.60	.85	1.39	.77	0	.0	.0	182	180
1	76	241	0900	18.94	4.94	6.38	3.39	7.22	.08	.74	1.05	1.46	.73	0	.0	.0	183	181
1	76	241	1500	18.87	5.34	7.22	2.82	7.85	.07	.68	.95	1.88	.85	0	.0	.0	184	182
1	76	241	2100	19.43	5.05	6.35	3.24	6.54	.18	1.15	1.66	2.40	.77	0	.0	.0	185	183
1	76	242	0300	18.92	5.46	6.78	3.60	7.12	.16	1.07	1.51	2.34	.75	0	.0	.0	186	184
1	76	242	0900	18.92	5.28	6.71	3.49	7.79	.13	.96	1.37	2.24	.75	0	.0	.0	187	185
1	76	242	1500	18.92	5.14	6.78	3.28	8.19	.11	.85	1.21	2.25	.77	0	.0	.0	188	186
1	76	242	2100	19.51	4.94	6.47	3.41	7.01	.21	1.20	1.74	3.21	.72	0	.0	.0	189	187
1	76	243	0300	19.46	5.33	6.81	3.52	8.06	.22	1.23	1.73	3.06	.75	0	.0	.0	190	188
1	76	243	0900	18.63	5.36	6.74	3.67	7.91	.14	.98	1.33	2.01	.73	0	.0	.0	191	189
1	76	243	1500	19.59	5.25	6.96	3.38	7.93	.09	.77	1.11	2.03	.77	0	.0	.0	304	301
1	76	243	2100	19.63	5.59	7.46	3.58	8.13	.09	.81	1.18	2.21	.77	0	.0	.0	305	302
1	76	244	0300	19.56	5.61	7.16	3.14	7.92	.10	.89	1.19	2.18	.83	0	.0	.0	306	303
1	76	244	0900	19.57	5.87	6.93	3.94	7.13	.12	.93	1.35	2.06	.74	0	.0	.0	307	304
1	76	244	1500	19.00	4.63	6.71	2.73	7.66	.09	.76	1.10	1.98	.81	0	.0	.0	308	305
1	76	244	2100	19.60	4.06	5.58	2.73	6.15	.08	.70	1.00	1.71	.74	0	.0	.0	309	306

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* * TZ	PERIOD (SECS) TS	TC	TM*	*ENGY DENS* M.2/SEC	WAVE *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE EPS*	*DATA DIR*	ERR* MAG	NSE*	T-FILE*	FILE*
1	76	245	0300	19.58	4.64	5.96	3.15	6.79	.16	1.04	1.47	2.36	.73	0	.0	.0	310	307
1	76	245	0900	19.53	4.63	5.93	3.17	5.86	.11	.88	1.25	1.96	.73	0	.0	.0	311	308
1	76	245	1500	19.60	4.56	6.30	2.86	7.52	.07	.67	.97	1.53	.78	0	.0	.0	312	309
1	76	245	2100	19.63	4.32	5.69	3.09	5.83	.09	.77	1.09	1.95	.70	0	.0	.0	313	310
1	76	246	0300	19.56	5.01	6.67	3.22	7.37	.15	1.00	1.43	2.39	.77	0	.0	.0	314	311
1	76	246	0900	19.63	5.75	6.89	3.40	7.15	.08	.76	1.07	1.95	.81	0	.0	.0	315	312
1	76	246	1500	19.64	4.57	6.21	2.95	6.89	.08	.72	1.02	1.72	.76	0	.0	.0	316	313
1	76	246	2100	18.93	4.71	6.15	3.26	6.81	.12	.90	1.28	2.22	.72	0	.0	.0	317	314
1	76	247	0300	18.98	4.52	6.76	3.18	6.33	.15	1.02	1.45	2.57	.71	0	.0	.0	318	315
1	76	247	0900	19.59	4.32	5.49	3.08	6.02	.12	.92	1.31	2.06	.70	0	.0	.0	319	316
1	76	247	1500	19.57	4.57	5.52	2.91	6.26	.08	.77	1.06	1.84	.77	0	.0	.0	320	317
1	76	247	2100	19.51	4.54	5.92	3.24	6.24	.07	.67	.96	1.50	.70	0	.0	.0	321	318
1	76	248	0300	19.53	4.16	5.71	2.91	6.19	.05	.58	.84	1.43	.72	0	.0	.0	322	319
1	76	248	0900	19.48	4.67	5.96	3.14	6.08	.03	.48	.70	1.25	.73	0	.0	.0	323	320
1	76	248	1500	19.51	3.84	5.38	2.43	5.64	.03	.47	.67	1.21	.77	0	.0	.0	324	321
1	76	248	2100	18.24	3.57	4.69	2.64	4.92	.04	.49	.68	1.05	.67	0	.0	.0	325	322
1	76	249	0300	19.53	3.44	4.37	2.53	4.82	.04	.51	.72	1.32	.68	0	.0	.0	326	323
1	76	249	0900	18.97	4.17	5.21	2.76	5.72	.04	.50	.70	1.20	.75	0	.0	.0	327	324
1	76	249	1500	19.56	3.36	4.64	2.31	5.21	.02	.33	.48	.87	.73	0	.0	.0	328	325
1	76	249	2100	18.87	3.69	4.53	2.58	4.64	.02	.40	.56	.86	.71	0	.0	.0	329	326
1	76	250	0300	18.90	4.06	5.25	2.65	5.45	.03	.43	.61	1.22	.76	0	.0	.0	330	327
1	76	250	0900	19.58	4.49	6.42	2.46	7.56	.03	.46	.67	1.19	.84	0	.0	.0	331	328
1	76	250	1500	18.94	3.62	5.39	2.37	7.17	.03	.40	.57	.95	.76	0	.0	.0	332	329
1	76	250	2100	19.57	3.86	5.50	2.48	6.91	.02	.35	.49	.85	.77	0	.0	.0	333	330
1	76	251	0300	19.53	4.20	5.98	2.35	6.44	.01	.30	.42	.69	.83	0	.0	.0	334	331
1	76	251	0900	19.59	4.00	5.78	2.30	6.22	.01	.26	.37	.64	.82	0	.0	.0	335	332
1	76	251	1500	18.27	3.84	5.67	1.97	6.15	.01	.24	.35	.63	.84	0	.0	.0	336	333
1	76	251	2100	19.60	3.44	5.08	1.94	237.73	.01	.19	.27	.54	.83	0	.0	.0	337	334
1	76	252	0300	19.52	3.06	4.95	1.76	5.99	.01	.16	.23	.46	.82	0	.0	.0	338	335
1	76	252	0900	19.62	3.20	5.19	1.75	241.98	.00	.15	.21	.37	.84	0	.0	.0	339	336
1	76	252	1500	19.61	2.13	2.62	1.59	1.77	.00	.14	.19	.31	.66	0	.0	.0	340	337
1	76	252	2100	18.94	2.17	2.59	1.76	2.45	.00	.16	.22	.41	.59	0	.0	.0	341	338
1	76	253	0300	19.66	2.87	3.80	1.91	244.69	.01	.20	.27	.47	.75	0	.0	.0	342	339
1	76	253	0900	19.57	2.46	2.87	1.94	3.23	.01	.21	.29	.50	.59	0	.0	.0	343	340
1	76	253	1500	19.62	2.84	3.69	1.91	254.91	.01	.19	.26	.47	.74	0	.0	.0	344	341
1	76	253	2100	19.59	2.64	3.27	2.09	4.17	.01	.26	.36	.58	.61	0	.0	.0	345	342
1	76	254	0300	19.22	3.44	4.35	2.41	4.58	.01	.29	.41	.80	.71	0	.0	.0	346	343
1	76	254	0900	19.59	3.32	4.56	2.26	4.94	.01	.29	.42	.66	.73	0	.0	.0	347	344
1	76	254	1500	18.58	3.00	3.95	2.19	5.35	.02	.33	.47	.83	.68	0	.0	.0	348	345
1	76	254	2100	19.61	3.34	4.21	2.42	4.63	.05	.59	.82	1.21	.69	0	.0	.0	349	346
1	76	255	0300	18.54	3.59	4.63	2.61	5.23	.06	.63	.89	1.64	.69	0	.0	.0	350	347
1	76	255	0900	19.53	3.63	4.76	2.43	5.36	.04	.51	.73	1.15	.74	0	.0	.0	351	348
1	76	255	1500	19.62	3.62	4.94	2.48	5.97	.03	.46	.66	1.04	.75	0	.0	.0	352	349
1	76	255	2100	19.60	3.62	4.91	2.64	5.76	.07	.68	.99	1.63	.68	0	.0	.0	353	350
1	76	256	0300	19.62	4.12	5.42	2.89	6.08	.09	.80	1.12	1.67	.71	0	.0	.0	354	351
1	76	256	0900	19.58	4.02	5.31	2.54	6.08	.06	.65	.93	1.83	.78	0	.0	.0	355	352
1	76	256	1500	19.52	4.04	5.67	2.66	6.96	.06	.62	.91	1.72	.75	0	.0	.0	356	353
1	76	256	2100	19.62	4.33	5.73	2.80	6.06	.10	.82	1.15	1.70	.76	0	.0	.0	357	354
1	76	257	0300	18.89	5.11	6.17	3.11	6.84	.16	1.08	1.51	2.47	.79	0	.0	.0	358	355
1	76	257	0900	19.31	4.85	6.16	2.90	7.00	.08	.73	1.03	1.49	.80	0	.0	.0	359	356
1	76	257	1500	18.87	4.15	5.73	2.87	6.77	.05	.58	.84	1.43	.72	0	.0	.0	360	357

SITE NO	*YEAR *	DAY	TIME	GMS-LST+ MINS	* TZ	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* WAVE M.2/SEC	*RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE*DATA ERR* EPS*	DIR*	MAG	NSE*	T.FLE*	FILE*
1	76	257	2100	19.53	4.39	5.54	2.78	6.24	.06	.68	.94	1.36	.77	0	.0	.0	361	358
1	76	258	0300	18.94	4.37	5.51	2.75	6.00	.07	.69	.98	1.74	.78	0	.0	.0	362	359
1	76	258	0900	19.57	4.94	6.06	3.09	6.37	.07	.70	.99	1.61	.78	0	.0	.0	363	360
1	76	258	1500	18.28	4.60	5.85	3.03	6.30	.07	.70	.99	1.68	.76	0	.0	.0	364	361
1	76	258	2100	19.01	4.39	5.67	2.95	6.32	.10	.82	1.17	2.08	.74	0	.0	.0	365	362
1	76	259	0300	19.57	4.45	5.63	3.07	6.30	.06	.63	.90	1.60	.72	0	.0	.0	366	363
1	76	259	0900	18.92	4.47	5.81	2.96	6.07	.04	.50	.71	1.21	.75	0	.0	.0	367	364
1	76	259	1500	19.53	3.76	5.05	2.54	5.96	.03	.44	.62	.94	.74	0	.0	.0	368	365
1	76	259	2100	18.94	4.26	5.37	2.73	6.02	.05	.57	.81	1.49	.77	0	.0	.0	369	366
1	76	260	0300	19.58	3.97	5.22	2.82	5.24	.05	.59	.83	1.26	.70	0	.0	.0	370	367
1	76	260	0900	19.56	3.65	4.96	2.42	6.09	.03	.44	.64	1.11	.75	0	.0	.0	371	368
1	76	260	1500	19.57	3.75	4.83	2.62	5.21	.05	.58	.83	1.40	.72	0	.0	.0	372	369
1	76	260	2100	19.51	4.17	5.45	2.83	6.00	.07	.68	.96	1.58	.73	0	.0	.0	373	370
1	76	261	0300	19.57	3.99	5.11	2.68	6.01	.06	.66	.92	2.01	.74	0	.0	.0	374	371
1	76	261	0900	18.21	4.41	5.66	3.11	5.42	.05	.59	.82	1.26	.71	0	.0	.0	375	372
1	76	261	1500	19.48	4.44	6.00	2.54	7.41	.06	.64	.90	1.26	.82	0	.0	.0	376	373
1	76	261	2100	19.54	4.42	5.60	3.03	5.67	.09	.78	1.09	1.58	.73	0	.0	.0	377	374
1	76	262	0300	19.53	4.54	5.91	2.88	6.76	.10	.84	1.20	2.07	.77	0	.0	.0	378	375
1	76	262	0900	19.60	4.59	5.92	3.06	5.52	.12	.90	1.27	2.44	.75	0	.0	.0	379	376
1	76	262	1500	19.53	4.28	5.40	2.94	5.36	.09	.77	1.09	1.84	.73	0	.0	.0	380	377
1	76	262	2100	19.54	4.58	5.10	3.12	8.19	.06	.64	.90	1.60	.73	0	.0	.0	381	378
1	76	263	0300	18.69	4.35	5.95	2.76	7.40	.05	.58	.82	1.37	.77	0	.0	.0	382	379
1	76	263	0900	18.88	4.62	5.80	2.76	5.15	.04	.54	.76	1.29	.80	0	.0	.0	383	380
1	76	263	1500	18.92	4.63	5.78	3.04	5.74	.04	.51	.71	1.47	.75	0	.0	.0	384	381
1	76	263	2100	18.92	3.94	5.46	2.49	7.79	.03	.43	.61	1.10	.78	0	.0	.0	385	382
1	76	264	0300	19.62	3.75	4.73	2.62	4.55	.03	.46	.64	1.18	.72	0	.0	.0	386	383
1	76	264	0900	19.40	3.86	4.96	2.88	5.76	.08	.72	1.03	1.57	.67	0	.0	.0	387	384
1	76	264	1500	19.59	3.67	4.57	2.70	5.17	.04	.53	.74	1.34	.68	0	.0	.0	388	385
1	76	264	2100	19.53	3.98	5.11	2.80	5.46	.06	.62	.90	1.69	.71	0	.0	.0	389	386
1	76	265	0300	19.59	4.01	5.45	3.00	5.95	.05	.62	.87	1.44	.72	0	.0	.0	390	387
1	76	265	0900	19.57	3.86	5.08	2.67	5.76	.05	.57	.80	1.49	.72	0	.0	.0	391	388
1	76	265	1500	19.01	4.06	5.25	2.88	5.66	.05	.59	.84	1.41	.71	0	.0	.0	392	389
1	76	265	2100	18.92	4.51	5.58	3.01	6.24	.06	.65	.91	1.50	.74	0	.0	.0	393	390
1	76	266	0300	19.58	4.86	5.94	3.18	6.41	.05	.63	.88	1.39	.76	0	.0	.0	394	391
1	76	266	0900	19.62	4.39	5.76	2.92	6.43	.09	.77	1.09	1.71	.75	0	.0	.0	395	392
1	76	266	1500	18.91	4.30	5.63	2.84	5.82	.08	.72	1.05	1.63	.75	0	.0	.0	396	393
1	76	266	2100	18.97	4.26	5.39	2.81	6.17	.08	.76	1.04	2.13	.74	0	.0	.0	397	394
1	76	267	0300	19.01	3.99	5.17	2.63	6.16	.06	.62	.88	1.49	.75	0	.0	.0	398	395
1	76	267	0900	19.04	3.93	5.19	2.56	5.86	.04	.52	.74	1.37	.76	0	.0	.0	399	396
1	76	267	1500	19.04	3.89	4.85	2.72	5.16	.05	.60	.83	1.41	.71	0	.0	.0	400	397
1	76	267	2100	19.00	4.26	5.25	3.07	6.06	.08	.75	1.05	1.91	.70	0	.0	.0	401	398
1	76	268	0300	18.95	4.06	5.31	2.92	6.16	.06	.64	.91	1.52	.69	0	.0	.0	402	399
1	76	268	0900	18.95	3.69	5.03	2.71	5.86	.05	.57	.80	1.29	.72	0	.0	.0	403	400
1	76	268	1500	19.00	3.96	4.62	2.94	4.45	.05	.59	.83	1.38	.65	0	.0	.0	404	401
1	76	268	2100	19.00	3.99	4.57	2.81	5.03	.05	.56	.79	1.25	.64	0	.0	.0	405	402
1	76	269	0300	19.01	3.87	4.75	2.77	4.97	.03	.47	.66	1.09	.70	0	.0	.0	406	403
1	76	269	0900	18.96	3.53	4.50	2.47	4.90	.03	.41	.57	.87	.71	0	.0	.0	407	404
1	76	269	1500	19.59	3.48	4.44	2.54	4.56	.03	.43	.62	1.02	.68	0	.0	.0	409	405
1	76	270	0300	18.56	3.27	4.26	2.43	4.22	.02	.38	.55	.85	.67	0	.0	.0	410	406
1	76	270	0900	19.52	3.47	4.40	2.47	4.50	.02	.34	.48	.78	.70	0	.0	.0	411	407
1	76	270	1500	19.54	3.46	4.37	2.51	4.47	.02	.38	.55	1.00	.67	0	.0	.0	412	408

STN NO	*YEAR	DAY	TIME	OBS.DUR. MINS	* TZ	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* M.2/SEC	*RMS	WAVE HEIGHTS HSIG	M. * HMAX*	*WAVE EPS*	*DATA DIR*	ERR* MAG	NSE*	* T.FLE	* FILE*
1	76	270	2100	18.91	5.39	4.31	2.59	4.57	.03	.41	.58	.99	.64	0	.0	.0	413	409
1	76	271	0300	18.71	5.72	4.46	2.68	4.67	.02	.42	.59	.97	.69	0	.0	.0	414	410
1	76	271	1500	18.87	5.60	4.69	2.63	5.09	.02	.37	.53	1.06	.68	0	.0	.0	415	411
1	76	271	2100	19.62	3.30	4.35	2.58	4.71	.04	.53	.75	1.41	.64	0	.0	.0	416	412
1	76	272	0300	18.87	5.99	5.04	2.84	5.51	.06	.63	.88	1.38	.70	0	.0	.0	417	413
1	76	272	0900	18.92	4.47	5.59	3.14	6.26	.07	.68	.97	1.91	.71	0	.0	.0	418	414
1	76	272	1500	19.52	4.34	5.86	2.65	6.95	.04	.50	.72	1.19	.79	0	.0	.0	419	415
1	76	272	2100	19.61	4.14	5.37	2.97	5.62	.04	.52	.75	1.08	.70	0	.0	.0	420	416
1	76	273	0300	18.83	5.40	5.29	2.70	6.24	.05	.59	.85	1.52	.73	0	.0	.0	421	417
1	76	273	0900	19.07	4.75	5.97	3.06	6.60	.14	.99	1.41	2.75	.77	0	.0	.0	422	418
1	76	273	1500	19.56	4.76	6.27	3.23	7.24	.15	1.03	1.46	2.28	.74	0	.0	.0	423	419
1	76	273	2100	19.53	5.37	6.68	3.51	7.64	.27	1.38	1.94	3.18	.76	0	.0	.0	424	420
1	76	274	0300	19.90	5.66	6.87	3.48	7.91	.23	1.32	1.82	3.14	.79	0	.0	.0	425	421
1	76	274	0900	19.69	5.47	7.51	3.46	8.00	.19	1.17	1.63	2.26	.81	0	.0	.0	426	422
1	76	274	1500	19.46	4.77	6.09	3.01	7.09	.17	1.08	1.52	2.76	.78	0	.0	.0	427	423
1	76	274	2100	19.91	5.25	6.76	3.34	7.50	.26	1.36	1.92	3.33	.77	0	.0	.0	428	424
1	76	275	0300	19.92	5.00	6.69	3.13	7.32	.22	1.23	1.77	3.01	.78	0	.0	.0	429	425
1	76	275	0900	19.54	5.21	6.63	3.39	7.47	.19	1.17	1.66	2.80	.76	0	.0	.0	430	426
1	76	275	1500	19.56	4.96	6.52	3.05	7.93	.14	.98	1.38	2.46	.77	0	.0	.0	431	427
1	76	275	2100	18.85	5.05	6.49	3.23	8.00	.17	1.09	1.54	2.60	.77	0	.0	.0	432	428
1	76	276	0300	19.53	5.05	6.39	3.15	7.35	.18	1.14	1.61	2.89	.78	0	.0	.0	433	429
1	76	276	0900	18.94	5.10	6.72	3.17	7.19	.12	.92	1.32	2.25	.78	0	.0	.0	434	430
1	76	276	1500	19.64	4.84	5.89	2.98	7.37	.11	.86	1.22	2.15	.73	0	.0	.0	435	431
1	76	276	2100	19.67	4.89	6.12	3.25	6.62	.16	1.06	1.50	2.03	.75	0	.0	.0	436	432
1	76	277	0300	19.50	5.09	6.45	3.36	6.96	.17	1.11	1.56	2.28	.75	0	.0	.0	437	433
1	76	277	0900	19.60	5.00	6.44	3.46	7.08	.11	.88	1.24	1.83	.72	0	.0	.0	438	434
1	76	277	1500	19.53	4.75	6.04	3.15	6.74	.11	.86	1.20	2.23	.75	0	.0	.0	439	435
1	76	277	2100	19.46	4.75	6.12	3.24	6.46	.12	.90	1.29	1.86	.73	0	.0	.0	440	436
1	76	278	0300	18.95	4.99	6.50	3.28	7.02	.12	.92	1.30	2.42	.75	0	.0	.0	441	437
1	76	278	0900	19.59	5.10	6.49	3.33	7.26	.09	.81	1.13	1.78	.76	0	.0	.0	442	438

MAG.TAPE= 0

SITE NO	*YEAR	DAY	TIME	GOS.LOT.. MINS	* TZ	PERIOD (SECS) TS	TC	*ENGY DENS* WAVE TP* M.2/SEC	*RMS	HEIGHTS HSIG	M.. * HMAX*	*WAVE*DATA ERR* EPS* DIR* MAG NSE*	T.FLE*	FILE*
1	76	276	1500	19.54	5.31	6.43	3.16	7.30 .07	.76	1.04	1.71	.80 0 .0 .0	0	1
1	76	276	2100	19.47	4.56	5.98	3.14	6.79 .08	.76	1.08	1.76	.73 0 .0 .0	1	2
1	76	277	0300	19.52	4.86	6.08	3.16	6.45 .11	.87	1.23	1.88	.76 0 .0 .0	2	3
1	76	277	0900	19.59	4.86	6.25	3.18	6.75 .08	.76	1.06	2.09	.76 0 .0 .0	3	4
1	76	277	1500	19.57	4.55	6.19	2.86	6.92 .07	.69	1.00	2.15	.78 0 .0 .0	4	5
1	76	277	2100	19.62	4.97	6.27	3.46	6.76 .11	.88	1.24	2.23	.72 0 .0 .0	5	6
1	76	278	0300	19.54	4.97	6.25	3.49	7.04 .15	1.03	1.46	2.47	.71 0 .0 .0	6	7
1	76	278	0900	19.59	4.80	6.30	3.28	6.86 .08	.75	1.07	1.70	.73 0 .0 .0	7	8
1	76	278	1500	19.59	5.20	6.84	3.09	7.18 .09	.79	1.09	1.65	.80 0 .0 .0	8	9
1	76	278	2100	19.48	4.46	5.55	3.01	6.40 .09	.82	1.17	1.74	.74 0 .0 .0	9	10
1	76	279	0300	19.54	4.46	5.77	3.11	6.60 .09	.78	1.11	2.34	.72 0 .0 .0	10	11
1	76	279	0900	19.56	4.62	5.91	3.22	6.94 .06	.62	.89	1.37	.72 0 .0 .0	11	12
1	76	279	1500	19.61	4.56	5.52	2.93	7.12 .05	.57	.82	1.34	.80 0 .0 .0	12	13
1	76	279	2100	19.55	4.15	5.73	2.79	6.59 .04	.54	.78	1.26	.74 0 .0 .0	13	14
1	76	280	0300	19.63	4.32	5.63	2.87	5.92 .05	.59	.82	1.22	.75 0 .0 .0	14	15
1	76	280	0900	19.57	4.70	5.95	3.10	6.35 .06	.63	.88	1.37	.75 0 .0 .0	15	16
1	76	280	1500	19.54	4.20	5.71	2.72	6.27 .04	.50	.72	1.16	.77 0 .0 .0	16	17
1	76	280	2100	19.90	3.87	4.95	2.58	6.68 .03	.45	.64	1.11	.75 0 .0 .0	17	18
1	76	281	0300	19.57	3.72	5.25	2.26	6.09 .02	.38	.55	.97	.79 0 .0 .0	18	19
1	76	281	0900	19.55	3.94	5.36	2.59	5.70 .01	.30	.43	.68	.75 0 .0 .0	19	20
1	76	281	1500	19.58	3.04	4.57	2.03	5.77 .01	.29	.42	.92	.75 0 .0 .0	20	21
1	76	281	2100	19.58	2.81	3.66	2.07	5.90 .01	.28	.40	.66	.68 0 .0 .0	21	22
1	76	282	0300	19.54	3.33	4.47	2.36	4.60 .01	.24	.34	.57	.70 0 .0 .0	22	23
1	76	282	0900	19.56	3.19	4.55	1.99	4.94 .01	.21	.30	.56	.78 0 .0 .0	23	24
1	76	282	1500	19.63	2.80	3.67	2.01	4.92 .01	.25	.35	.59	.66 0 .0 .0	24	25
1	76	282	2100	19.60	2.96	3.86	2.26	3.96 .02	.31	.44	.69	.65 0 .0 .0	25	26
1	76	283	0300	19.56	3.20	4.20	2.39	4.36 .02	.34	.48	.80	.68 0 .0 .0	26	27
1	76	283	0900	19.63	3.57	4.70	2.78	4.80 .02	.39	.55	.86	.70 0 .0 .0	27	28
1	76	283	1500	19.57	3.30	4.32	2.41	5.20 .03	.45	.65	1.14	.68 0 .0 .0	28	29
1	76	283	2100	19.61	3.73	4.68	2.57	4.68 .05	.57	.80	1.46	.73 0 .0 .0	29	30
1	76	284	0300	19.95	4.37	5.72	2.81	6.20 .07	.69	.99	1.71	.77 0 .0 .0	30	31
1	76	284	0900	19.60	4.45	6.02	2.72	6.36 .05	.56	.80	1.26	.79 0 .0 .0	31	32
1	76	284	1500	19.65	3.28	4.50	2.27	6.21 .03	.45	.63	1.12	.72 0 .0 .0	32	33
1	76	284	2100	19.65	4.15	5.58	2.72	6.57 .03	.45	.64	1.04	.75 0 .0 .0	33	34
1	76	285	0300	19.62	3.96	5.80	2.22	6.34 .02	.38	.56	.99	.83 0 .0 .0	34	35
1	76	285	0900	19.63	4.45	5.60	2.91	5.87 .02	.34	.49	.75	.76 0 .0 .0	35	36
1	76	285	1500	19.64	2.98	4.45	2.00	5.73 .02	.30	.42	.94	.74 0 .0 .0	36	37
1	76	285	2100	18.99	3.64	5.00	2.39	5.81 .01	.30	.43	.65	.75 0 .0 .0	37	38
1	76	286	0300	18.94	3.62	5.04	2.15	5.87 .01	.26	.37	.58	.80 0 .0 .0	38	39
1	76	286	0900	19.63	3.26	4.83	2.19	5.59 .01	.24	.34	.64	.80 0 .0 .0	39	40
1	76	286	1500	19.63	2.81	3.46	1.93	5.49 .01	.24	.34	.55	.87 0 .0 .0	40	41
1	76	286	2100	19.59	2.74	3.16	2.21	3.29 .02	.37	.51	.90	.59 0 .0 .0	41	42
1	76	287	0300	19.62	3.40	4.28	2.59	4.15 .02	.37	.51	.79	.70 0 .0 .0	42	43
1	76	287	0900	19.63	3.04	4.08	1.91	3.90 .01	.23	.32	.50	.78 0 .0 .0	43	44
1	76	287	1500	18.95	2.36	3.03	1.86	2.28 .01	.22	.31	.52	.61 0 .0 .0	44	45
1	76	287	2100	19.63	2.45	3.02	1.86	10.18 .01	.21	.28	.52	.65 0 .0 .0	45	46
1	76	288	0300	19.62	2.72	3.70	1.78	5.43 .00	.14	.19	.32	.76 0 .0 .0	46	47
1	76	288	0900	18.92	2.45	3.25	1.64	10.40 .00	.13	.18	.30	.73 0 .0 .0	47	48
1	76	288	1500	18.96	2.15	2.43	1.87	2.66 .01	.28	.39	.81	.49 0 .0 .0	48	49
1	76	288	2100	19.57	2.25	2.73	1.78	2.84 .00	.15	.21	.42	.61 0 .0 .0	49	50
1	76	289	0300	19.62	2.45	2.80	2.13	2.82 .01	.21	.29	.51	.49 0 .0 .0	50	51

DATA ID	YEAR	DAY	TIME	OBS.LGTH MINS	PERIOD (SECS) * TZ	TS	TC	TM	*ENGY DENS* FT**2/SEC	*RMS	WAVE HEIGHTS HSIG	HMAX	*WAVE*DATA ERR* FPS*	JIX*	MAG	NSE*	T.FLE*	FILE*
1	76	291	0900	19.81	2.35	2.65	2.05	2.93	.02	.34	.47	1.05	.49	0	.0	.0	51	52
1	76	291	1500	19.83	2.14	2.45	1.86	2.11	.01	.19	.26	.43	.52	0	.0	.0	52	53
1	76	291	2100	19.59	2.21	2.47	1.81	2.95	.01	.19	.27	.49	.57	0	.0	.0	53	54
1	76	292	0300	18.93	2.23	2.61	1.67	12.81	.00	.13	.17	.26	.67	0	.0	.0	54	55
1	76	292	0900	19.41	2.52	3.57	1.62	6.77	.01	.19	.26	.46	.76	0	.0	.0	55	56
1	76	292	1500	19.61	2.61	4.06	1.79	6.54	.01	.21	.29	.59	.75	0	.0	.0	56	57
1	76	292	2100	19.60	3.05	4.55	1.91	6.56	.01	.20	.29	.54	.78	0	.0	.0	57	58
1	76	293	0300	14.27	2.60	4.31	1.69	6.41	.01	.18	.25	.47	.76	0	.0	.0	58	59
1	76	293	0900	18.26	2.65	3.92	1.79	6.16	.01	.17	.24	.42	.74	0	.0	.0	59	60
1	76	293	1500	19.58	2.48	3.21	1.82	3.96	.01	.20	.28	.47	.66	0	.0	.0	60	61
1	76	293	2100	19.56	3.07	3.59	2.46	3.57	.02	.35	.49	.95	.58	0	.0	.0	61	62
1	76	294	0300	19.57	3.23	4.04	2.34	4.57	.02	.32	.45	.65	.69	0	.0	.0	62	63
1	76	294	0900	18.94	4.24	5.72	2.36	6.05	.02	.36	.52	.81	.63	0	.0	.0	63	64
1	76	294	1500	18.91	4.23	5.28	2.56	5.66	.01	.28	.39	.74	.50	0	.0	.0	64	65
1	76	294	2100	19.59	3.65	5.35	2.21	5.85	.01	.26	.37	.86	.82	0	.0	.0	65	66
1	76	295	0300	18.93	3.59	5.10	2.12	5.82	.01	.25	.37	.59	.81	0	.0	.0	66	67
1	76	295	0900	19.55	3.91	5.47	2.17	5.73	.01	.23	.33	.51	.83	0	.0	.0	67	68
1	76	295	1500	19.56	3.56	4.64	2.02	5.37	.01	.21	.29	.45	.80	0	.0	.0	68	69
1	76	295	2100	19.54	2.90	3.33	2.22	2.92	.01	.31	.44	.75	.64	0	.0	.0	69	70
1	76	296	0300	14.61	3.10	4.68	1.94	5.46	.01	.19	.27	.47	.78	0	.0	.0	70	71
1	76	296	0900	19.57	3.30	5.15	1.77	5.66	.00	.17	.24	.42	.64	0	.0	.0	71	72
1	76	296	1500	19.59	3.30	4.57	1.69	5.54	.01	.21	.30	.49	.77	0	.0	.0	72	73
1	76	296	2100	19.60	2.80	3.97	1.85	5.62	.01	.16	.25	.38	.75	0	.0	.0	73	74
1	76	297	0300	19.62	2.49	3.21	1.86	6.13	.01	.21	.28	.64	.66	0	.0	.0	74	75
1	76	297	0900	19.59	4.11	5.45	2.48	5.84	.01	.21	.30	.45	.80	0	.0	.0	75	76
1	76	297	1500	19.56	2.56	3.22	1.97	2.45	.01	.30	.42	.66	.64	0	.0	.0	76	77
1	76	297	2100	19.53	2.67	3.70	2.02	5.69	.01	.26	.36	.55	.71	0	.0	.0	77	78
1	76	298	0300	18.94	3.24	4.36	2.29	5.96	.01	.25	.35	.56	.71	0	.0	.0	78	79
1	76	298	0900	19.58	3.27	4.18	2.33	4.95	.02	.34	.47	.71	.70	0	.0	.0	79	80
1	76	298	1500	19.62	3.36	4.94	2.16	5.52	.01	.27	.38	.69	.77	0	.0	.0	80	81
1	76	298	2100	19.59	3.75	5.08	2.41	5.16	.01	.25	.35	.55	.76	0	.0	.0	81	82
1	76	299	0300	14.68	2.95	4.45	1.80	5.22	.01	.24	.34	.64	.72	0	.0	.0	82	83
1	76	299	0900	18.75	2.56	3.26	2.00	2.24	.02	.31	.43	1.04	.61	0	.0	.0	83	84
1	76	299	1500	19.57	2.81	3.10	2.13	3.14	.03	.42	.59	1.04	.58	0	.0	.0	84	85
1	76	299	2100	19.57	2.76	3.64	2.06	4.09	.01	.29	.40	.78	.67	0	.0	.0	85	86
1	76	300	0300	19.57	2.44	2.85	1.91	2.04	.01	.22	.31	.55	.62	0	.0	.0	86	87
1	76	300	0900	19.59	2.44	4.16	1.92	4.69	.00	.16	.22	.38	.76	0	.0	.0	87	88
1	76	300	1500	19.61	2.46	3.19	1.85	5.20	.01	.26	.36	.60	.66	0	.0	.0	88	89
1	76	300	2100	19.57	2.72	3.43	2.05	4.92	.01	.20	.28	.44	.67	0	.0	.0	89	90
1	76	301	0300	14.57	2.56	3.41	1.83	4.92	.01	.19	.26	.47	.71	0	.0	.0	90	91
1	76	301	0900	18.96	2.50	3.31	1.86	4.66	.01	.18	.25	.38	.67	0	.0	.0	91	92
1	76	301	1500	19.61	2.48	3.04	1.97	2.75	.01	.28	.39	.72	.61	0	.0	.0	92	93
1	76	301	2100	19.58	3.11	4.33	2.10	5.35	.01	.21	.30	.63	.74	0	.0	.0	93	94
1	76	302	0300	19.51	3.26	4.88	2.00	5.62	.01	.20	.28	.50	.79	0	.0	.0	94	95
1	76	302	0900	19.57	3.10	4.83	1.83	6.16	.01	.19	.26	.48	.81	0	.0	.0	95	96
1	76	302	1500	19.62	2.42	3.08	1.91	6.00	.01	.26	.35	.96	.61	0	.0	.0	96	97
1	76	302	2100	18.93	2.51	3.20	1.92	5.73	.01	.18	.25	.43	.64	0	.0	.0	97	98
1	76	303	0300	13.99	2.84	3.49	1.92	5.61	.00	.16	.22	.46	.68	0	.0	.0	98	99
1	76	303	0900	19.62	2.58	3.56	1.79	5.56	.00	.13	.18	.29	.72	0	.0	.0	99	100
1	76	303	1500	18.68	2.17	2.41	1.86	2.20	.01	.20	.27	.49	.50	0	.0	.0	100	101
1	76	303	2100	19.58	2.35	2.66	1.94	2.73	.01	.20	.28	.59	.56	0	.0	.0	101	102

SITE NO	*YEAR	DAY	TIME	OBS.LGTH MINS	* T/	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* M**2/SEC	WAVE *RMS	*HGHTS HS16	M. * HMAX*	*WAVE*DATA ERR* EPS*	DIR*	MAG	NSE*	T.FLE*	FLE*
1	76	304	0300	18.94	2.16	2.50	1.78	2.72	.01	.18	.25	.43	.58	0	.0	.0	102	103
1	76	304	0900	19.58	2.26	2.59	1.77	2.12	.00	.15	.20	.33	.62	0	.0	.0	103	104
1	76	304	1500	19.62	2.25	2.72	1.66	7.12	.00	.12	.16	.31	.67	0	.0	.0	104	105
1	76	304	2100	19.55	2.26	2.86	1.71	7.51	.00	.12	.16	.30	.65	0	.0	.0	105	106
1	76	305	0300	19.59	2.40	2.98	1.83	2.54	.00	.14	.19	.36	.65	0	.0	.0	106	107
1	76	305	0900	19.58	2.29	2.86	1.69	7.35	.00	.11	.14	.24	.67	0	.0	.0	107	108
1	76	305	1500	18.91	1.96	2.26	1.57	1.60	.00	.11	.14	.24	.60	0	.0	.0	108	109
1	76	305	2100	19.61	2.31	2.65	1.83	2.74	.00	.16	.22	.41	.61	0	.0	.0	109	110
1	76	306	0300	19.60	2.31	2.64	1.78	2.47	.00	.14	.19	.36	.64	0	.0	.0	110	111
1	76	306	0900	19.41	2.41	2.93	1.75	10.51	.00	.10	.13	.22	.68	0	.0	.0	111	112
1	76	306	1500	19.60	2.05	2.18	1.80	2.31	.00	.17	.23	.44	.47	0	.0	.0	112	113
1	76	306	2100	19.57	2.25	2.62	1.90	2.96	.01	.21	.28	.47	.54	0	.0	.0	113	114
1	76	307	0300	19.60	2.21	2.50	1.86	2.55	.01	.21	.29	.53	.54	0	.0	.0	114	115
1	76	307	0900	19.57	2.54	3.21	1.89	2.96	.00	.12	.16	.32	.67	0	.0	.0	115	116
1	76	307	1500	18.95	2.05	2.29	1.57	9.47	.00	.10	.13	.21	.63	0	.0	.0	116	117
1	76	307	2100	19.62	1.89	1.95	1.60	1.71	.00	.11	.15	.25	.53	0	.0	.0	117	118
1	76	308	0300	19.57	2.15	2.48	1.76	2.72	.00	.14	.19	.38	.57	0	.0	.0	118	119
1	76	308	0900	19.59	2.42	2.96	1.85	3.32	.00	.11	.16	.26	.65	0	.0	.0	119	120
1	76	308	1500	18.95	2.17	2.41	1.84	2.26	.00	.17	.23	.41	.53	0	.0	.0	120	121
1	76	308	2100	19.63	2.42	2.88	1.97	3.01	.01	.21	.29	.47	.58	0	.0	.0	121	122
1	76	309	0300	19.59	2.26	2.66	1.86	3.04	.01	.18	.24	.47	.55	0	.0	.0	122	123
1	76	309	0900	19.60	2.59	3.12	1.87	3.24	.00	.13	.18	.34	.64	0	.0	.0	123	124
1	76	309	1500	19.58	2.42	2.94	1.93	2.36	.01	.19	.26	.45	.60	0	.0	.0	124	125
1	76	309	2100	19.58	2.40	3.12	1.89	2.94	.01	.16	.24	.42	.64	0	.0	.0	125	126
1	76	310	0300	19.29	2.51	2.68	2.00	2.54	.01	.23	.31	.53	.60	0	.0	.0	126	127
1	76	310	0900	19.61	2.87	4.03	1.88	4.43	.00	.16	.22	.36	.76	0	.0	.0	127	128
1	76	310	1500	19.62	2.79	4.88	1.86	4.00	.00	.16	.23	.37	.74	0	.0	.0	128	129
1	76	310	2100	19.60	2.46	2.94	1.89	2.26	.01	.21	.29	.51	.63	0	.0	.0	129	130
1	76	311	0300	19.53	3.15	4.71	2.39	4.13	.02	.38	.53	.79	.84	0	.0	.0	130	131
1	76	311	0900	19.61	3.34	4.13	2.44	4.63	.01	.30	.42	.65	.96	0	.0	.0	131	132
1	76	311	1500	19.64	2.84	4.06	2.00	4.81	.01	.23	.32	.85	.71	0	.0	.0	132	133
1	76	311	2100	19.61	2.80	3.81	1.99	4.74	.00	.17	.23	.40	.70	0	.0	.0	133	134
1	76	312	0300	18.92	2.59	3.48	1.86	4.76	.00	.16	.23	.41	.69	0	.0	.0	134	135
1	76	312	0900	18.97	2.80	3.70	2.09	4.92	.01	.22	.30	.55	.67	0	.0	.0	135	136
1	76	312	1500	19.58	2.63	3.72	1.97	4.76	.01	.21	.30	.53	.66	0	.0	.0	136	137
1	76	312	2100	19.61	2.54	3.38	1.93	4.25	.01	.19	.26	.44	.65	0	.0	.0	137	138
1	76	313	0300	19.64	2.65	3.08	2.01	3.54	.01	.24	.34	.63	.65	0	.0	.0	138	139
1	76	313	0900	19.36	2.95	4.84	2.04	3.65	.00	.17	.24	.41	.72	0	.0	.0	139	140
1	76	313	1500	19.64	2.52	3.41	1.93	3.67	.00	.16	.22	.39	.65	0	.0	.0	140	141
1	76	313	2100	19.62	2.43	3.97	1.95	4.19	.00	.16	.22	.39	.73	0	.0	.0	141	142
1	76	314	0300	19.51	3.36	4.42	2.20	5.28	.00	.17	.24	.42	.76	0	.0	.0	142	143
1	76	314	0900	19.62	3.67	5.01	2.27	6.21	.01	.24	.34	.98	.78	0	.0	.0	143	144
1	76	314	1500	18.93	2.47	3.62	1.98	5.93	.01	.22	.30	.56	.67	0	.0	.0	144	145
1	76	314	2100	19.62	2.76	3.47	1.96	6.77	.01	.25	.35	.57	.70	0	.0	.0	145	146
1	76	315	0300	18.92	3.05	3.64	2.34	3.82	.02	.37	.51	.96	.64	0	.0	.0	146	147
1	76	315	0900	19.57	3.45	4.32	2.48	4.29	.02	.32	.45	.71	.70	0	.0	.0	147	148
1	76	315	1500	19.58	3.87	5.30	2.46	8.48	.01	.27	.38	.69	.77	0	.0	.0	148	149
1	76	315	2100	19.62	3.39	4.60	2.27	8.20	.02	.38	.53	.94	.74	0	.0	.0	149	150
1	76	316	0300	19.60	4.51	6.02	2.58	7.79	.03	.48	.68	1.04	.82	0	.0	.0	150	151
1	76	316	0900	19.61	4.63	6.21	2.86	7.14	.03	.44	.62	.93	.78	0	.0	.0	151	152
1	76	316	1500	19.59	3.80	5.15	2.43	5.98	.02	.36	.51	.93	.77	0	.0	.0	152	153

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* * TZ	PERIOD (SECS) TS	TC	TP*	*ENGY. DENS* M.2/SEC	WAVE *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE*DATA ERR* EPS*	DIR*	MAG	NSE*	* T.FLE*	* FILE*
1	76	316	2100	19.60	3.65	4.79	2.58	4.55	.05	.57	.80	1.40	.71	0	.0	.0	153	154
0	76	317	0300	19.61	3.76	5.21	2.26	5.50	.04	.52	.73	1.55	.80	100	.0	.0	154	155
1	76	317	0900	19.58	4.00	5.70	2.23	5.76	.03	.43	.62	1.07	.83	0	.0	.0	155	156
1	76	317	1500	19.63	3.22	4.63	1.99	5.54	.02	.34	.49	.78	.79	0	.0	.0	156	157
1	76	317	2100	19.61	3.45	5.15	2.55	5.19	.02	.32	.45	.81	.76	0	.0	.0	157	158
1	76	318	0300	19.56	3.54	4.68	2.51	5.67	.02	.34	.48	.90	.71	0	.0	.0	158	159
1	76	318	0900	18.55	4.05	5.05	2.74	5.15	.02	.41	.58	.93	.74	0	.0	.0	159	160
1	76	318	1500	19.61	3.20	4.60	2.10	5.15	.02	.36	.52	.91	.75	0	.0	.0	160	161
1	76	318	2100	19.57	3.24	3.86	2.39	4.23	.03	.42	.58	.95	.68	0	.0	.0	161	162
1	76	319	0300	19.59	3.39	4.19	2.48	4.94	.04	.49	.69	1.13	.68	0	.0	.0	162	163
1	76	319	0900	19.58	4.04	5.01	2.66	5.20	.03	.45	.63	1.14	.75	0	.0	.0	163	164
1	76	319	1500	19.59	3.41	4.37	2.36	5.10	.02	.38	.54	.91	.72	0	.0	.0	164	165
1	76	319	2100	18.94	3.37	4.04	2.48	4.50	.03	.43	.60	.92	.68	0	.0	.0	165	166
1	76	320	0300	19.58	3.50	4.43	2.53	4.83	.04	.52	.73	1.13	.70	0	.0	.0	166	167
1	76	320	0900	19.39	3.61	4.76	2.68	5.22	.03	.46	.64	1.08	.71	0	.0	.0	167	168
2	76	320	1500	19.59	4.05	5.62	2.66	5.01	.01	.30	.42	.73	.75	0	.0	.0	168	169
2	76	320	2100	19.57	3.90	5.26	2.29	5.10	.01	.26	.36	.72	.81	0	.0	.0	169	170
2	76	321	0300	18.95	3.09	5.26	2.15	4.99	.02	.32	.45	.77	.72	0	.0	.0	170	171
2	76	321	0900	19.58	3.20	4.47	2.21	5.39	.01	.30	.42	.71	.74	0	.0	.0	171	172
2	76	321	1500	19.62	3.85	5.07	2.22	6.50	.01	.26	.37	1.05	.82	0	.0	.0	172	173
2	76	321	2100	19.59	3.72	4.92	2.47	6.01	.02	.33	.45	.74	.75	0	.0	.0	173	174
2	76	322	0300	19.60	3.15	4.20	2.08	3.65	.01	.26	.36	.63	.75	0	.0	.0	174	175
2	76	322	0900	18.88	3.93	5.44	2.57	5.80	.01	.26	.37	.57	.76	0	.0	.0	175	176
2	76	322	1500	19.62	2.56	3.53	1.74	5.48	.01	.26	.36	.80	.73	0	.0	.0	176	177
2	76	322	2100	19.62	2.80	3.97	1.94	5.95	.01	.24	.33	.58	.73	0	.0	.0	177	178
2	76	323	0300	19.62	3.03	3.93	2.15	5.31	.01	.26	.37	.57	.70	0	.0	.0	178	179
2	76	323	0900	19.63	3.37	4.68	2.06	5.77	.01	.23	.33	.59	.79	0	.0	.0	179	180
2	76	323	1500	19.59	2.85	3.78	1.95	4.71	.01	.24	.33	.52	.73	0	.0	.0	180	181
2	76	323	2100	19.62	3.19	4.29	2.06	4.96	.01	.20	.28	.49	.76	0	.0	.0	181	182
2	76	324	0300	19.56	2.54	2.94	2.08	2.89	.02	.36	.51	.95	.57	0	.0	.0	182	183
2	76	324	0900	18.93	2.65	3.66	1.73	6.06	.01	.23	.32	.54	.73	0	.0	.0	183	184
2	76	324	1500	19.59	2.34	3.01	1.85	4.05	.02	.30	.43	.65	.61	0	.0	.0	184	185
2	76	324	2100	19.59	2.82	3.47	1.99	4.19	.01	.19	.26	.50	.71	0	.0	.0	185	186
2	76	325	0300	18.95	3.11	4.23	2.07	5.78	.00	.18	.25	.41	.75	0	.0	.0	186	187
2	76	325	0900	19.64	2.11	2.39	1.80	2.30	.01	.23	.32	.49	.52	0	.0	.0	187	188
2	76	325	1500	19.62	2.55	2.92	1.99	2.86	.00	.16	.22	.41	.63	0	.0	.0	188	189
2	76	325	2100	19.62	2.32	2.76	1.83	2.34	.00	.12	.16	.24	.62	0	.0	.0	189	190
2	76	326	0300	18.94	2.39	3.01	1.71	10.22	.00	.10	.14	.21	.70	0	.0	.0	190	191
2	76	326	0900	19.63	2.50	3.48	1.62	10.69	.00	.12	.15	1.02	.76	0	.0	.0	191	192
2	76	326	1500	19.59	2.10	2.49	1.69	3.07	.01	.25	.35	.67	.59	0	.0	.0	192	193
2	76	326	2100	19.57	2.86	3.92	1.95	11.94	.00	.11	.14	.26	.73	0	.0	.0	193	194
2	76	327	0300	19.60	2.43	3.18	1.64	12.34	.00	.11	.15	.29	.74	0	.0	.0	194	195
2	76	327	0900	19.60	2.53	3.23	1.76	11.88	.00	.14	.18	.32	.72	0	.0	.0	195	196
2	76	327	1500	19.57	2.20	2.46	1.70	11.24	.00	.14	.19	.33	.63	0	.0	.0	196	197
2	76	327	2100	19.62	2.29	2.49	1.87	2.51	.01	.20	.27	.52	.58	0	.0	.0	197	198
2	76	328	0300	18.93	2.71	3.20	2.08	3.26	.01	.23	.33	.61	.64	0	.0	.0	198	199
2	76	328	0900	19.57	2.86	3.38	2.21	3.76	.01	.25	.35	.67	.64	0	.0	.0	199	200
2	76	328	1500	19.61	2.59	3.02	2.08	2.61	.01	.25	.35	.51	.59	0	.0	.0	200	201
2	76	328	2100	19.60	2.82	3.30	2.21	3.58	.01	.27	.37	.64	.62	0	.0	.0	201	202
2	76	329	0300	18.94	2.19	2.58	1.69	1.91	.00	.17	.23	.44	.64	0	.0	.0	202	203
2	76	329	0900	18.31	2.74	3.84	1.66	11.67	.00	.11	.15	.27	.80	0	.0	.0	203	204

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* TZ	PERIOD (SECS) TS	TC	TP*	*ENGY. DENS* M.2/SEC	WAVE *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE EPS*	*DATA DIR*	ERR* MAG	NSE*	T.FLE*	FILE*
2	76	329	1500	19.44	2.69	3.57	1.84	11.21	.00	.13	.18	.36	.73	0	.0	.0	204	205
2	76	329	2100	19.66	2.90	3.38	2.22	3.44	.02	.37	.51	.88	.64	0	.0	.0	205	206
2	76	330	0300	19.63	2.79	3.71	1.91	3.83	.01	.25	.35	.67	.73	0	.0	.0	206	207
2	76	330	0900	18.93	3.01	4.29	1.92	6.49	.01	.18	.24	1.05	.77	0	.0	.0	207	208
2	76	330	1500	19.59	3.14	4.73	1.78	6.83	.00	.14	.19	.43	.82	0	.0	.0	208	209
2	76	330	2100	19.62	2.02	2.36	1.65	1.74	.01	.19	.26	.52	.58	0	.0	.0	209	210
2	76	331	0300	19.60	2.73	3.14	2.05	2.80	.01	.21	.28	.45	.66	0	.0	.0	210	211
2	76	331	0900	19.64	2.48	2.72	1.96	2.47	.01	.23	.32	.54	.61	0	.0	.0	211	212
2	76	331	1500	19.63	2.15	2.48	1.70	2.14	.01	.18	.24	.42	.61	0	.0	.0	212	213
2	76	331	2100	19.64	2.55	3.04	1.94	2.08	.01	.22	.30	.51	.65	0	.0	.0	213	214
2	76	332	0300	19.57	2.33	2.74	1.83	2.20	.01	.20	.27	.42	.62	0	.0	.0	214	215
2	76	332	0900	19.62	2.35	2.84	1.78	2.07	.00	.15	.20	.36	.65	0	.0	.0	215	216
2	76	332	1500	18.98	2.74	3.77	1.76	9.56	.00	.13	.18	.30	.77	0	.0	.0	216	217
2	76	332	2100	19.61	2.25	2.48	1.84	2.17	.01	.21	.29	.50	.58	0	.0	.0	217	218
2	76	333	0300	18.97	2.67	3.54	1.96	5.55	.01	.19	.26	.44	.68	0	.0	.0	218	219
2	76	333	0900	18.94	2.64	3.16	2.03	2.92	.01	.24	.34	.56	.64	0	.0	.0	219	220
2	76	333	1500	19.60	2.46	2.65	1.95	2.38	.01	.25	.34	.58	.61	0	.0	.0	220	221
2	76	333	2100	19.64	2.82	3.46	2.29	3.72	.03	.46	.65	1.03	.58	0	.0	.0	221	222
2	76	334	0300	18.93	3.26	4.37	2.18	4.45	.02	.39	.55	.99	.74	0	.0	.0	222	223
2	76	341	1500	19.57	2.61	3.15	2.13	2.93	.01	.29	.40	.70	.58	0	.0	.0	224	224
2	76	341	2100	18.98	2.24	2.42	1.91	2.08	.01	.21	.29	.45	.52	0	.0	.0	225	225
2	76	342	0300	19.62	2.19	2.51	1.80	2.07	.01	.22	.30	.46	.57	0	.0	.0	226	226
2	76	342	0900	18.97	2.47	2.95	2.04	3.11	.01	.30	.42	.75	.56	0	.0	.0	227	227
2	76	342	1500	19.60	2.68	3.43	1.99	3.20	.01	.29	.40	.66	.67	0	.0	.0	228	228
2	76	342	2100	19.64	2.73	3.36	2.22	2.74	.03	.45	.63	1.17	.58	0	.0	.0	229	229
2	76	343	0300	19.62	2.66	3.05	2.10	2.53	.02	.39	.54	.85	.61	0	.0	.0	230	230
2	76	343	0900	19.62	3.08	4.42	2.03	6.69	.01	.23	.32	.59	.75	0	.0	.0	231	231
2	76	343	1500	19.59	2.98	4.37	1.90	6.70	.01	.25	.35	1.10	.77	0	.0	.0	232	232
2	76	343	2100	19.60	3.05	4.34	1.99	6.66	.02	.31	.43	.71	.76	0	.0	.0	233	233
2	76	344	0300	18.89	4.48	6.36	2.08	6.72	.01	.27	.39	.64	.88	0	.0	.0	234	234
2	76	344	0900	19.61	2.88	3.67	1.97	7.00	.02	.32	.43	.72	.73	0	.0	.0	235	235
2	76	344	1500	19.57	2.96	4.17	1.91	7.00	.02	.30	.42	.72	.76	0	.0	.0	236	236
2	76	344	2100	19.63	3.93	5.50	2.22	7.11	.01	.31	.43	.68	.82	0	.0	.0	237	237
2	76	345	0300	19.56	4.24	6.43	2.16	7.26	.01	.28	.39	.59	.86	0	.0	.0	238	238
2	76	345	0900	19.61	4.14	6.54	1.97	7.11	.01	.22	.32	1.06	.88	0	.0	.0	239	239
2	76	345	1500	18.97	3.03	4.99	1.61	7.36	.01	.23	.34	.65	.85	0	.0	.0	240	240
2	76	345	2100	19.57	4.76	7.02	2.10	7.15	.01	.28	.42	.70	.90	0	.0	.0	241	241
2	76	346	0300	18.92	5.04	7.18	2.29	7.69	.02	.35	.51	.97	.89	0	.0	.0	242	242
2	76	346	0900	19.59	5.22	7.37	2.52	7.61	.02	.35	.52	.80	.88	0	.0	.0	243	243
2	76	346	1500	19.60	3.15	4.45	2.17	7.99	.04	.47	.66	1.36	.73	0	.0	.0	244	244
2	76	346	2100	19.56	4.95	7.20	2.39	8.16	.03	.48	.70	1.04	.88	0	.0	.0	245	245
2	76	347	0300	19.53	4.94	6.96	2.70	8.18	.02	.34	.49	.82	.84	0	.0	.0	246	246
2	76	347	0900	19.60	3.38	5.23	1.90	7.97	.02	.31	.44	.96	.83	0	.0	.0	247	247
2	76	347	1500	19.61	3.20	5.12	1.86	8.55	.02	.31	.44	.90	.82	0	.0	.0	248	248
2	76	347	2100	19.64	2.89	3.37	2.17	3.35	.04	.52	.71	1.27	.66	0	.0	.0	249	249
2	76	348	0300	19.62	3.59	5.28	2.08	8.73	.02	.32	.45	.84	.81	0	.0	.0	250	250
2	76	348	0900	19.38	3.80	5.97	1.97	8.63	.01	.20	.28	.63	.85	0	.0	.0	251	251
2	76	348	1500	19.59	2.60	4.00	1.55	8.15	.01	.19	.26	.51	.80	0	.0	.0	252	252
2	76	348	2100	18.94	2.38	2.80	1.94	2.60	.02	.38	.53	1.13	.58	0	.0	.0	253	253
2	76	349	0300	19.62	2.98	3.91	2.03	7.86	.01	.22	.30	.52	.73	0	.0	.0	254	254
2	76	349	0900	18.95	3.22	4.07	2.07	8.13	.00	.17	.23	1.05	.76	0	.0	.0	255	255

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* TZ	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* WAVE M.2/SEC *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE* EPS*	DATA ERR* DIR*	MAG	NSE*	T.FLE*	FILE*
2	76	349	1500	19.58	3.42	5.03	1.72	12.17	.00	.13	.18	1.06	.86	0	.0	.0	256	256
2	76	349	2100	19.49	4.57	6.15	2.44	11.89	.00	.16	.22	.43	.85	0	.0	.0	257	257
2	76	350	0300	18.92	2.63	3.23	2.03	3.87	.01	.30	.41	.73	.63	0	.0	.0	258	258
2	76	350	0900	19.59	3.55	4.45	2.39	4.64	.01	.30	.42	.67	.74	0	.0	.0	259	259
2	76	350	1500	19.59	3.44	4.57	2.01	4.23	.01	.20	.28	1.02	.81	0	.0	.0	260	260
2	76	350	2100	19.58	4.30	6.35	2.23	12.11	.00	.17	.24	.39	.86	0	.0	.0	261	261
2	76	351	0300	19.61	2.60	3.13	1.95	11.87	.01	.24	.32	.53	.68	0	.0	.0	262	262
2	76	351	0900	19.62	4.06	5.63	2.21	11.65	.01	.20	.28	.47	.84	0	.0	.0	263	263
2	76	351	1500	19.60	3.20	4.53	1.90	11.68	.01	.20	.28	.61	.80	0	.0	.0	264	264
2	76	351	2100	19.60	3.29	4.70	1.90	11.02	.01	.18	.24	1.11	.82	0	.0	.0	265	265
2	76	352	0300	19.62	2.55	3.18	1.85	10.84	.01	.21	.29	.48	.68	0	.0	.0	266	266
2	76	352	0900	19.60	2.77	3.56	1.79	11.27	.01	.18	.24	.45	.76	0	.0	.0	267	267
2	76	352	1500	18.97	2.91	3.95	1.87	11.54	.01	.18	.25	.41	.77	0	.0	.0	268	268
2	76	352	2100	19.54	2.71	3.47	1.89	11.72	.01	.19	.26	.46	.72	0	.0	.0	269	269
2	76	353	0300	19.53	3.17	4.08	2.24	4.76	.02	.36	.49	.82	.71	0	.0	.0	270	270
2	76	353	0900	19.59	2.41	3.31	2.31	3.43	.03	.45	.63	1.12	.57	0	.0	.0	271	271
2	76	353	1500	19.60	3.06	4.48	1.88	10.80	.00	.17	.24	1.05	.79	0	.0	.0	272	272
2	76	353	2100	19.65	2.46	2.75	1.95	2.31	.01	.24	.33	.52	.61	0	.0	.0	273	273
2	76	354	0300	18.92	2.65	3.02	2.13	2.65	.01	.27	.36	.60	.58	0	.0	.0	274	274
2	76	354	0900	18.93	2.58	3.06	2.12	2.52	.01	.28	.39	.70	.57	0	.0	.0	275	275
2	76	354	1500	19.54	2.71	3.29	2.02	2.79	.01	.26	.36	.55	.67	0	.0	.0	276	276
2	76	354	2100	19.62	2.50	3.29	1.88	2.00	.01	.22	.31	1.16	.67	0	.0	.0	277	277
2	76	355	0300	19.58	2.57	3.32	1.92	2.61	.01	.23	.31	.55	.66	0	.0	.0	278	278
2	76	355	0900	19.63	3.05	3.43	2.48	3.52	.02	.41	.57	.98	.60	0	.0	.0	279	279
2	76	355	1500	18.87	3.47	4.83	2.63	5.44	.06	.65	.92	1.41	.75	0	.0	.0	280	280
2	76	355	2100	19.62	3.33	4.33	2.23	4.87	.02	.32	.45	.83	.74	0	.0	.0	281	281
2	76	356	0300	18.59	2.60	3.63	2.09	3.96	.01	.21	.30	.49	.66	0	.0	.0	282	282
2	76	356	0900	19.60	3.19	4.61	1.83	5.88	.00	.14	.20	.35	.82	0	.0	.0	283	283
2	76	356	1500	19.62	3.09	4.23	1.93	6.26	.00	.15	.21	.37	.78	0	.0	.0	284	284
2	76	356	2100	19.62	4.64	6.79	2.05	6.06	.00	.16	.23	.36	.90	0	.0	.0	285	285
2	76	357	0300	19.58	3.98	6.20	1.71	6.01	.00	.15	.21	.43	.90	0	.0	.0	286	286
2	76	357	0900	19.56	3.87	4.33	1.97	6.02	.01	.20	.28	.55	.77	0	.0	.0	287	287
2	76	357	1500	18.97	3.65	4.22	1.97	6.27	.01	.24	.33	.51	.76	0	.0	.0	288	288
2	76	357	2100	19.52	3.16	3.98	2.21	4.06	.02	.37	.51	.83	.71	0	.0	.0	289	289
2	76	358	0300	18.29	3.46	4.98	2.11	9.38	.01	.24	.34	.64	.79	0	.0	.0	290	290
2	76	358	0900	19.54	3.56	5.79	1.92	8.33	.01	.20	.29	.47	.84	0	.0	.0	291	291
2	76	358	1500	19.60	2.60	3.79	1.67	9.11	.01	.22	.31	.68	.77	0	.0	.0	292	292
2	76	358	2100	19.59	4.17	7.06	1.90	8.66	.01	.21	.31	.55	.89	0	.0	.0	293	293
2	76	359	0300	19.56	3.50	5.53	1.96	8.49	.01	.21	.30	.57	.83	0	.0	.0	294	294
2	76	359	0900	19.60	4.20	6.57	1.97	8.77	.01	.20	.29	.55	.69	0	.0	.0	295	295
2	76	359	1500	19.58	4.00	6.71	1.78	8.46	.01	.18	.27	.52	.90	0	.0	.0	296	296
2	76	359	2100	18.93	3.77	6.36	1.91	8.13	.01	.19	.28	.46	.86	0	.0	.0	297	297
2	76	360	0300	19.62	3.26	4.97	1.89	8.16	.01	.21	.30	.63	.82	0	.0	.0	298	298
2	76	360	0900	19.60	2.95	4.30	1.83	8.21	.01	.20	.29	.47	.78	0	.0	.0	299	299
2	76	360	1500	19.62	2.91	4.18	1.81	7.92	.01	.19	.27	.48	.78	0	.0	.0	300	300
2	76	360	2100	19.62	2.87	4.18	1.88	8.16	.00	.14	.20	.33	.75	0	.0	.0	301	301
2	76	361	0300	19.59	5.29	4.19	2.37	4.56	.03	.46	.64	1.08	.69	0	.0	.0	302	302
2	76	361	0900	18.89	2.42	2.97	1.91	3.72	.02	.36	.51	.90	.61	0	.0	.0	303	303
2	76	361	1500	19.57	3.00	3.71	2.18	3.66	.01	.27	.37	.63	.71	0	.0	.0	304	304
2	76	361	2100	19.61	3.22	4.36	2.07	8.69	.00	.11	.16	.27	.77	0	.0	.0	305	305
2	76	362	0300	19.58	3.22	4.94	1.83	9.43	.00	.10	.14	.29	.82	0	.0	.0	306	306

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* * TZ	PERIOD (SECS) TS	TC	TP*	*ENGY. DENS* M.2/SEC	*RMS	WAVE HEIGHTS HSIG	M. * HMAX*	*WAVE EPS*	*DATA DIR*	ERR* MAG	NSE*	T*	FLE*	FILE*
2	76	362	0900	19.42	3.43	5.42	1.80	8.69	.00	.11	.16	.35	.85	0	.0	.0		307	307
2	76	362	1500	19.55	2.67	4.13	1.55	8.37	.00	.12	.17	.34	.81	0	.0	.0		308	308
2	76	362	2100	19.56	3.76	5.94	1.93	7.72	.00	.14	.21	.37	.86	0	.0	.0		309	309
2	76	363	0300	19.61	2.90	3.82	1.96	7.56	.00	.17	.24	1.02	.74	0	.0	.0		310	310
2	76	363	0900	19.61	2.86	4.14	1.79	7.56	.00	.15	.20	.33	.78	0	.0	.0		311	311
2	76	363	1500	19.63	2.06	2.34	1.73	1.91	.01	.17	.23	.38	.55	0	.0	.0		312	312
2	76	363	2100	19.63	2.80	3.45	2.07	2.93	.00	.18	.25	.37	.67	0	.0	.0		313	313
2	76	364	0300	18.94	2.39	2.64	2.12	2.81	.02	.39	.55	.93	.46	0	.0	.0		314	314
2	76	364	0900	18.92	2.72	3.54	1.98	3.81	.01	.20	.29	.43	.69	0	.0	.0		315	315
2	76	364	1500	19.60	2.20	2.58	1.69	8.68	.00	.17	.23	.39	.64	0	.0	.0		316	316
2	76	364	2100	19.60	2.60	3.04	2.06	2.47	.00	.17	.24	.41	.61	0	.0	.0		317	317
2	76	365	0300	18.94	3.62	5.50	2.02	8.11	.00	.15	.21	1.06	.83	0	.0	.0		318	318
2	76	365	0900	19.62	2.59	3.34	1.78	9.12	.01	.19	.26	.43	.73	0	.0	.0		319	319
2	76	365	1500	18.92	2.77	3.98	1.84	5.06	.01	.18	.25	.38	.75	0	.0	.0		320	320
2	76	365	2100	18.63	2.94	4.19	2.03	5.15	.00	.17	.25	.41	.73	0	.0	.0		321	321
2	76	366	0300	19.59	2.38	3.00	1.85	2.37	.01	.27	.37	1.20	.63	0	.0	.0		322	322
2	76	366	0900	19.62	2.71	3.90	1.76	9.43	.01	.18	.25	.37	.76	0	.0	.0		323	323
2	76	366	1500	18.98	2.35	2.75	1.90	2.48	.01	.27	.37	.59	.58	0	.0	.0		324	324
2	76	366	2100	19.59	2.40	2.94	1.91	2.96	.01	.27	.38	.70	.60	0	.0	.0		325	325
2	77	001	0300	19.25	2.90	3.64	2.11	3.49	.01	.26	.36	.65	.69	0	.0	.0		326	326
2	77	001	0900	19.62	2.56	2.90	2.17	2.96	.03	.45	.62	.94	.54	0	.0	.0		327	327
2	77	001	1500	18.99	2.52	3.25	1.92	3.58	.01	.30	.41	.83	.64	0	.0	.0		328	328
2	77	001	2100	19.62	3.61	4.68	2.34	4.20	.01	.32	.45	1.18	.76	0	.0	.0		329	329
2	77	002	0300	19.57	2.82	3.50	2.00	3.63	.01	.27	.37	.59	.70	0	.0	.0		330	330
2	77	002	0900	19.61	3.84	4.75	2.68	5.05	.02	.39	.54	.88	.72	0	.0	.0		331	331
2	77	002	1500	19.62	3.99	4.79	2.98	4.84	.03	.43	.60	.92	.67	0	.0	.0		332	332
2	77	002	2100	19.64	4.06	4.67	2.91	4.97	.03	.45	.63	1.22	.70	0	.0	.0		333	333
2	77	003	0300	19.60	2.56	3.20	2.04	2.61	.03	.40	.55	.97	.60	0	.0	.0		334	334
2	77	003	0900	19.33	2.72	3.70	1.91	7.22	.01	.27	.38	.59	.71	0	.0	.0		335	335
2	77	003	1500	19.61	3.70	5.23	2.29	4.83	.03	.41	.59	.94	.79	0	.0	.0		336	336
2	77	003	2100	19.62	3.23	4.71	2.06	7.87	.02	.37	.53	.94	.77	0	.0	.0		337	337
2	77	004	0300	19.61	2.74	3.41	2.15	2.51	.03	.43	.58	.92	.62	0	.0	.0		338	338
2	77	004	0900	19.62	2.80	4.11	1.80	8.03	.02	.28	.39	.73	.77	0	.0	.0		339	339
2	77	004	1500	19.57	2.84	3.87	1.95	7.85	.02	.32	.44	.85	.73	0	.0	.0		340	340
2	77	004	2100	19.62	2.87	3.76	2.05	4.62	.02	.34	.48	.80	.70	0	.0	.0		341	341
2	77	005	0300	18.94	2.95	3.55	2.30	2.78	.03	.46	.64	1.10	.63	0	.0	.0		342	342
2	77	005	0900	19.62	4.02	4.91	2.53	4.84	.02	.37	.51	.84	.78	0	.0	.0		343	343
2	77	005	1500	19.60	4.39	5.06	2.79	4.72	.01	.33	.45	.70	.77	0	.0	.0		344	344
2	77	005	2100	19.62	3.03	4.17	2.11	4.62	.02	.32	.46	1.10	.72	0	.0	.0		345	345
2	77	006	0300	19.60	3.19	3.78	2.40	4.41	.04	.55	.77	1.18	.66	0	.0	.0		346	346
2	77	006	0900	19.60	4.59	5.65	2.91	6.19	.06	.64	.90	1.52	.77	0	.0	.0		347	347
2	77	006	1500	19.52	3.89	4.70	2.57	5.45	.01	.32	.45	.85	.75	0	.0	.0		348	348
2	77	006	2100	19.57	3.40	4.57	2.23	5.17	.01	.32	.45	.77	.76	0	.0	.0		349	349
2	77	007	0300	19.57	3.56	4.38	2.40	4.63	.02	.41	.57	.94	.74	0	.0	.0		350	350
2	77	007	0900	19.60	3.55	4.35	2.41	4.29	.01	.28	.39	.71	.73	0	.0	.0		351	351
2	77	007	1500	19.58	3.58	4.81	2.19	6.43	.01	.21	.29	.47	.79	0	.0	.0		352	352
2	77	007	2100	19.59	4.66	6.54	2.18	6.90	.00	.17	.24	.43	.88	0	.0	.0		353	353
2	77	008	0300	19.49	3.09	3.71	2.39	3.99	.03	.48	.68	1.12	.64	0	.0	.0		354	354
2	77	008	0900	19.62	2.62	3.17	2.05	2.69	.01	.29	.40	.72	.62	0	.0	.0		355	355
2	77	008	1500	19.64	2.86	3.88	1.87	9.69	.01	.20	.28	.45	.76	0	.0	.0		356	356
2	77	008	2100	19.64	3.20	5.25	1.73	9.65	.01	.17	.24	.47	.85	0	.0	.0		357	357

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* TZ	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* WAVE M.2/SEC	*RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE*DATA ERR* EPS* DIR* MAG	NSE*	* T.FLE*	* FILE*
2	77	009	0300	19.58	2.94	3.68	2.17	9.49	.02	.34	.48	.84	.67	0 .0	.0	358	358
2	77	009	0900	19.49	5.76	9.24	2.22	9.69	.02	.38	.56	.87	.92	0 .0	.0	359	359
2	77	009	1500	19.56	6.31	8.85	2.69	8.88	.05	.57	.82	1.21	.90	0 .0	.0	360	360
2	77	009	2100	18.96	4.72	8.03	2.24	8.70	.05	.55	.81	1.47	.88	0 .0	.0	361	361
2	77	010	0300	19.60	4.25	6.32	2.33	8.56	.05	.55	.78	1.41	.84	0 .0	.0	362	362
2	77	010	0900	18.10	4.83	6.94	2.38	8.49	.03	.44	.61	.94	.87	0 .0	.0	363	363
2	77	010	1500	18.23	5.52	8.45	2.24	8.60	.03	.45	.65	1.07	.91	0 .0	.0	364	364
2	77	010	2100	18.26	4.70	7.68	2.18	8.39	.04	.47	.70	1.26	.89	0 .0	.0	365	365
2	77	011	0300	18.94	4.02	6.42	2.21	8.33	.02	.39	.56	.95	.83	0 .0	.0	366	366
2	77	011	0900	19.57	4.62	7.21	2.28	8.35	.02	.35	.50	.80	.67	0 .0	.0	367	367
2	77	011	1500	19.57	4.21	6.92	2.05	8.33	.02	.31	.45	.84	.87	0 .0	.0	368	368
2	77	011	2100	19.53	6.81	9.72	2.19	8.47	.02	.34	.49	.73	.95	0 .0	.0	369	369
2	77	012	0300	18.76	7.08	10.38	2.30	11.46	.01	.32	.46	.75	.95	0 .0	.0	370	370
2	77	012	0900	18.12	6.86	10.29	2.15	11.29	.01	.32	.46	.74	.95	0 .0	.0	371	371
2	77	012	1500	19.57	4.22	6.46	2.24	10.93	.02	.36	.51	.87	.85	0 .0	.0	372	372
2	77	012	2100	19.59	4.96	8.46	2.26	9.96	.02	.34	.51	.93	.89	0 .0	.0	373	373
2	77	013	0300	19.59	3.73	5.36	2.28	10.60	.03	.42	.58	.95	.79	0 .0	.0	374	374
2	77	013	0900	19.61	3.45	5.34	2.06	10.45	.02	.31	.45	.86	.80	0 .0	.0	375	375
2	77	013	1500	19.63	4.97	8.06	2.13	10.43	.01	.25	.36	.59	.90	0 .0	.0	376	376
2	77	013	2100	19.53	6.01	9.65	2.11	10.62	.01	.21	.32	.51	.94	0 .0	.0	377	377
2	77	014	0300	18.30	2.94	4.40	1.76	10.44	.01	.19	.26	.49	.80	0 .0	.0	378	378
2	77	014	0900	19.62	3.94	6.78	1.79	10.33	.01	.21	.30	.55	.89	0 .0	.0	379	379
2	77	014	1500	19.56	5.31	9.00	1.96	10.26	.01	.25	.36	.64	.93	0 .0	.0	380	380
2	77	014	2100	19.55	6.54	9.36	2.09	9.84	.01	.23	.34	.46	.95	0 .0	.0	381	381
2	77	015	0300	19.52	2.71	3.08	2.16	2.96	.02	.37	.52	.86	.61	0 .0	.0	382	382
2	77	015	0900	19.59	3.05	4.28	2.02	9.09	.00	.17	.24	.40	.75	0 .0	.0	383	383
2	77	015	1500	19.65	4.29	6.96	2.01	8.55	.00	.14	.20	.45	.88	0 .0	.0	384	384
2	77	015	2100	19.54	3.37	5.36	1.86	8.15	.00	.11	.16	.31	.83	0 .0	.0	385	385
2	77	016	0300	19.62	2.76	3.88	1.89	7.85	.00	.12	.17	.33	.73	0 .0	.0	386	386
2	77	016	0900	19.61	2.76	3.48	2.07	3.60	.01	.20	.28	1.07	.66	0 .0	.0	387	387
2	77	016	1500	19.65	2.41	2.78	1.95	2.80	.01	.21	.30	.48	.59	0 .0	.0	388	388
2	77	016	2100	19.62	2.74	3.10	2.27	3.18	.02	.38	.54	.92	.56	0 .0	.0	389	389
2	77	017	0300	19.61	3.36	4.11	2.47	4.26	.01	.29	.40	1.20	.68	0 .0	.0	390	390
2	77	017	0900	19.33	3.45	4.29	2.35	4.48	.01	.25	.35	.53	.73	0 .0	.0	391	391

MAG.TAPE= 0

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* * TZ	PERIOD (SECS) TS	TC	*ENGY DENS* TP* M-2/SEC	*RMS	WAVE HEIGHTS HSIG	M. * HMAX*	*WAVE EPS*	*DATA DIR*	ERR* MAG	NSE*	* T.FLE*	* FILE*
2	77	017	1500	19.61	2.96	4.17	1.81	9.56 .00	.17	.25	.41	.79	0	.0	.0	0	1
2	77	017	2100	19.62	3.66	5.25	2.10	9.64 .00	.15	.22	.37	.82	0	.0	.0	1	2
2	77	018	0300	18.91	3.39	3.87	2.68	3.97 .02	.42	.59	.97	.61	0	.0	.0	2	3
2	77	018	0900	18.95	3.56	4.30	2.42	4.26 .01	.23	.31	.54	.73	0	.0	.0	3	4
2	77	018	1500	18.89	3.09	4.18	1.93	9.84 .01	.19	.26	.52	.78	0	.0	.0	4	5
2	77	018	2100	19.59	3.96	5.32	2.21	9.97 .01	.21	.29	.42	.83	0	.0	.0	5	6
2	77	019	0300	19.59	3.87	6.05	2.13	9.96 .01	.18	.26	.48	.83	0	.0	.0	6	7
2	77	019	0900	19.62	2.82	3.91	1.88	10.57 .01	.19	.26	.54	.74	0	.0	.0	7	8
2	77	019	1500	18.96	3.05	3.59	2.25	3.35 .02	.34	.46	.82	.67	0	.0	.0	8	9
2	77	019	2100	18.98	3.86	4.54	2.55	4.39 .01	.31	.43	.67	.75	0	.0	.0	9	10
2	77	020	0300	18.93	3.93	5.82	2.20	11.00 .01	.19	.28	.56	.83	0	.0	.0	10	11
2	77	020	0900	19.62	2.97	3.34	2.52	3.58 .04	.52	.73	1.48	.53	0	.0	.0	11	12
2	77	020	1500	18.91	2.96	3.91	2.08	10.25 .01	.25	.34	.52	.71	0	.0	.0	12	13
2	77	020	2100	19.58	3.27	4.07	2.23	10.36 .01	.18	.26	.41	.73	0	.0	.0	13	14
2	77	021	0300	19.62	2.76	3.44	1.91	10.65 .00	.15	.21	.32	.72	0	.0	.0	14	15
2	77	021	0900	19.62	2.37	3.14	1.77	10.68 .01	.17	.24	.48	.67	0	.0	.0	15	16
2	77	021	1500	19.63	2.29	2.88	1.71	10.66 .00	.16	.23	.42	.67	0	.0	.0	16	17
2	77	021	2100	19.59	2.56	3.52	1.83	10.17 .00	.14	.20	.33	.71	0	.0	.0	17	18
2	77	022	0300	18.82	3.13	4.13	2.02	10.30 .00	.13	.18	.32	.76	0	.0	.0	18	19
2	77	022	0900	19.62	3.00	4.13	1.88	10.23 .00	.14	.19	.36	.78	0	.0	.0	19	20
2	77	022	1500	19.61	4.04	7.12	1.79	9.94 .00	.11	.17	.31	.90	0	.0	.0	20	21
2	77	022	2100	19.62	2.99	3.61	2.09	10.02 .01	.19	.26	.43	.71	0	.0	.0	21	22
2	77	023	0300	18.91	3.46	5.13	1.89	9.86 .00	.15	.22	.37	.84	0	.0	.0	22	23
2	77	023	0900	19.61	2.97	3.96	2.04	9.64 .01	.26	.36	.59	.73	0	.0	.0	23	24
2	77	023	1500	19.58	2.97	3.93	2.16	9.09 .02	.30	.41	.65	.69	0	.0	.0	24	25
2	77	023	2100	19.64	3.77	6.33	1.74	7.87 .01	.18	.28	.48	.89	0	.0	.0	25	26
2	77	024	0300	19.56	3.98	6.83	1.79	8.78 .00	.15	.23	.40	.89	0	.0	.0	26	27
2	77	024	0900	18.72	2.86	3.39	2.20	2.69 .01	.31	.42	.66	.64	0	.0	.0	27	28
2	77	024	1500	18.94	3.11	4.42	1.88	10.74 .01	.21	.30	.55	.80	0	.0	.0	28	29
2	77	024	2100	19.58	4.07	6.21	2.18	9.60 .00	.16	.24	.37	.84	0	.0	.0	29	30
2	77	025	0300	19.49	3.92	6.28	2.00	10.82 .00	.16	.23	.36	.86	0	.0	.0	30	31
2	77	025	0900	19.56	3.85	6.31	1.81	10.18 .00	.17	.25	.44	.88	0	.0	.0	31	32
2	77	025	1500	19.61	2.50	3.10	1.84	10.56 .01	.18	.24	.39	.68	0	.0	.0	32	33
2	77	025	2100	19.62	2.82	3.55	2.04	10.28 .01	.21	.30	.58	.69	0	.0	.0	33	34
2	77	026	0300	18.90	4.09	4.94	3.00	5.42 .09	.81	1.15	1.86	.68	0	.0	.0	34	35
2	77	026	0900	19.52	3.50	4.54	2.50	5.23 .04	.55	.77	1.36	.70	0	.0	.0	35	36
2	77	026	1500	19.57	3.36	4.68	2.10	4.77 .02	.32	.46	.74	.78	0	.0	.0	36	37
2	77	026	2100	19.57	3.73	4.38	2.67	4.41 .01	.25	.34	.63	.70	0	.0	.0	37	38
2	77	027	0300	19.58	3.09	4.02	2.35	4.80 .05	.57	.80	1.39	.65	0	.0	.0	38	39
2	77	027	0900	18.91	3.64	4.84	2.47	5.97 .05	.60	.82	1.23	.73	0	.0	.0	39	40
2	77	027	1500	19.61	3.69	5.41	2.27	5.93 .02	.38	.55	.88	.79	0	.0	.0	40	41
2	77	027	2100	19.53	4.61	5.39	2.75	5.19 .01	.29	.38	.58	.80	0	.0	.0	41	42
2	77	028	0300	19.61	3.44	4.89	2.03	5.23 .02	.36	.51	.90	.81	0	.0	.0	42	43
2	77	028	0900	18.92	3.67	4.85	2.24	4.85 .02	.34	.48	.75	.79	0	.0	.0	43	44
2	77	028	1500	19.57	3.64	5.08	2.10	6.85 .01	.27	.38	.57	.82	0	.0	.0	44	45
2	77	028	2100	19.57	4.91	6.72	2.33	7.87 .01	.28	.39	.54	.88	0	.0	.0	45	46
2	77	029	0300	18.77	4.96	7.45	2.09	7.83 .02	.35	.52	.93	.91	0	.0	.0	46	47
2	77	029	0900	19.53	5.92	7.64	2.44	7.58 .01	.32	.45	.68	.91	0	.0	.0	47	48
2	77	029	1500	18.94	3.80	6.22	1.99	8.09 .02	.36	.52	.91	.85	0	.0	.0	48	49
2	77	029	2100	19.56	7.67	8.32	2.93	8.48 .02	.41	.55	.82	.92	0	.0	.0	49	50
2	77	030	0300	19.56	3.90	6.61	2.10	8.50 .03	.42	.62	1.01	.85	0	.0	.0	50	51

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* * TZ	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* WAVE M.-2/SEC *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE* EPS*	*DATA DIR*	ERR* MAG	NSE*	T.FLE*	FILE*
2	77	030	0900	19.48	4.77	7.18	2.47	8.55	.04	.53	.75	1.27	.86	0	.0	.0	51	52
2	77	030	1500	18.87	3.71	5.77	2.10	8.51	.04	.46	.67	1.35	.82	0	.0	.0	52	53
2	77	030	2100	19.53	4.71	7.19	2.28	9.29	.02	.33	.48	.90	.88	0	.0	.0	53	54
2	77	031	0300	18.84	7.25	8.70	3.18	8.93	.04	.58	.82	1.35	.90	0	.0	.0	54	55
2	77	031	0900	19.43	3.85	5.09	2.49	8.93	.08	.71	1.00	1.63	.76	0	.0	.0	55	56
2	77	031	1500	19.63	3.99	7.15	1.71	9.56	.01	.18	.26	.44	.90	0	.0	.0	56	57
2	77	031	2100	19.46	6.28	8.93	2.31	8.95	.01	.21	.31	.51	.93	0	.0	.0	57	58
2	77	032	0300	18.87	3.96	7.12	1.66	9.74	.01	.20	.29	.53	.91	0	.0	.0	58	59
2	77	032	0900	19.53	3.66	6.14	1.82	9.08	.01	.20	.28	.50	.87	0	.0	.0	59	60
2	77	032	1500	18.96	3.68	6.12	1.89	9.53	.01	.22	.32	.53	.86	0	.0	.0	60	61
2	77	032	2100	19.60	4.45	7.34	2.05	9.47	.01	.28	.40	.77	.89	0	.0	.0	61	62
2	77	033	0300	19.62	2.85	3.45	2.10	9.22	.03	.40	.55	.97	.68	0	.0	.0	62	63
2	77	033	0900	18.92	3.72	5.18	2.30	8.82	.02	.36	.51	.86	.79	0	.0	.0	63	64
2	77	033	1500	19.61	5.80	8.73	2.26	9.01	.01	.30	.43	1.12	.92	0	.0	.0	64	65
2	77	033	2100	19.62	3.62	5.59	2.11	9.22	.02	.30	.43	1.02	.81	0	.0	.0	65	66
2	77	034	0300	19.53	4.74	8.29	1.93	8.77	.01	.25	.38	.79	.91	0	.0	.0	66	67
2	77	034	0900	19.61	3.97	5.22	2.52	4.83	.05	.58	.82	1.44	.77	0	.0	.0	67	68
2	77	034	1500	18.94	6.42	8.90	2.55	9.50	.03	.47	.66	.92	.92	0	.0	.0	68	69
2	77	034	2100	19.56	4.31	6.35	2.50	8.96	.04	.52	.72	1.12	.81	0	.0	.0	69	70
2	77	035	0300	19.57	5.31	8.84	2.03	9.49	.02	.33	.48	.77	.92	0	.0	.0	70	71
2	77	035	0900	19.55	4.00	6.61	1.99	10.45	.03	.41	.59	1.30	.87	0	.0	.0	71	72
2	77	035	1500	18.78	5.66	9.53	2.08	10.17	.04	.47	.70	1.30	.93	0	.0	.0	72	73
2	77	035	2100	19.57	6.31	9.15	2.53	9.43	.05	.55	.82	1.27	.92	0	.0	.0	73	74
2	77	036	0300	18.24	4.78	6.91	2.68	9.25	.09	.78	1.11	1.99	.83	0	.0	.0	74	75
2	77	036	0900	18.87	5.58	8.47	2.49	9.74	.06	.60	.87	1.56	.89	0	.0	.0	75	76
2	77	036	1500	18.91	7.67	9.80	3.66	10.14	.10	.86	1.27	1.94	.88	0	.0	.0	76	77
2	77	036	2100	18.82	7.68	9.50	3.25	9.96	.07	.69	.98	1.59	.91	0	.0	.0	77	78
2	77	037	0300	19.46	4.73	7.94	2.65	10.51	.10	.76	1.11	1.85	.83	0	.0	.0	78	79
2	77	037	0900	18.77	5.63	7.40	3.36	10.25	.13	.96	1.34	2.28	.80	0	.0	.0	79	80
2	77	037	1500	19.62	6.26	9.44	2.81	10.22	.09	.78	1.11	1.68	.89	0	.0	.0	80	81
2	77	037	2100	19.52	7.32	10.16	3.36	10.43	.08	.73	1.08	1.86	.89	0	.0	.0	81	82
2	77	038	0300	18.93	7.36	9.90	3.16	10.12	.08	.75	1.09	1.84	.90	0	.0	.0	82	83
2	77	038	0900	19.45	7.12	9.83	2.42	10.04	.08	.74	1.07	1.64	.94	0	.0	.0	83	84
2	77	038	1500	19.58	5.15	7.19	2.87	9.90	.10	.82	1.16	1.97	.83	0	.0	.0	84	85
2	77	038	2100	19.60	5.80	8.82	2.75	9.75	.05	.57	.83	1.77	.88	0	.0	.0	85	86
2	77	039	0300	19.51	5.23	8.53	2.36	9.58	.06	.60	.89	1.70	.89	0	.0	.0	86	87
2	77	039	0900	18.91	4.63	7.62	2.11	9.65	.05	.53	.78	1.36	.89	0	.0	.0	87	88
2	77	039	1500	18.88	4.62	6.93	2.61	8.73	.06	.61	.87	1.50	.83	0	.0	.0	88	89
2	77	039	2100	19.22	5.92	8.39	2.76	8.76	.03	.49	.70	1.01	.88	0	.0	.0	89	90
2	77	040	0300	19.58	6.03	8.08	2.58	8.24	.04	.51	.74	1.09	.90	0	.0	.0	90	91
2	77	040	0900	19.57	6.79	8.52	2.55	8.67	.03	.47	.66	.99	.93	0	.0	.0	91	92
2	77	040	1500	18.88	5.34	7.99	2.33	8.55	.04	.53	.78	1.36	.90	0	.0	.0	92	93
2	77	040	2100	19.56	6.06	8.37	2.58	9.01	.03	.49	.71	1.11	.91	0	.0	.0	93	94
2	77	041	0300	18.95	6.02	8.21	2.72	8.66	.05	.57	.82	1.43	.89	0	.0	.0	94	95
2	77	041	0900	19.55	3.94	6.07	2.12	8.41	.04	.47	.66	1.08	.84	0	.0	.0	95	96
2	77	041	1500	19.57	4.01	6.01	2.39	8.11	.05	.58	.83	1.58	.80	0	.0	.0	96	97
2	77	041	2100	18.90	4.87	7.50	2.39	8.44	.03	.45	.65	1.02	.87	0	.0	.0	97	98
2	77	042	0300	19.55	3.55	5.41	2.14	8.31	.03	.45	.64	.99	.80	0	.0	.0	98	99
2	77	042	0900	19.57	3.78	5.95	2.14	8.38	.03	.42	.60	1.06	.82	0	.0	.0	99	100
2	77	042	1500	19.62	4.18	7.06	2.08	8.33	.04	.47	.69	1.28	.87	0	.0	.0	100	101
2	77	042	2100	19.63	5.40	7.36	2.43	8.11	.02	.42	.60	.88	.89	0	.0	.0	101	102

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* TZ	PERIOD (SECS) TS	TC	*ENGY DENS* TP*	M.2/SEC	WAVE *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE*DATA ERR* EPS*	DIR*	MAG	NSE*	T.FLE*	FILE*
2	77	050	0300	19.43	3.21	4.84	1.99	7.42	.03	.42	.60	1.18	.79	0	.0	.0	102	103
2	77	050	0900	18.91	5.11	7.29	2.36	7.77	.02	.35	.50	.97	.89	0	.0	.0	103	104
2	77	050	1500	19.65	3.71	5.80	2.04	7.52	.02	.38	.54	.99	.83	0	.0	.0	104	105
2	77	050	2100	18.82	3.67	5.78	2.16	7.52	.01	.30	.41	.70	.81	0	.0	.0	105	106
2	77	051	0300	19.56	3.80	6.25	2.12	7.87	.01	.28	.41	.68	.83	0	.0	.0	106	107
2	77	051	0900	19.63	2.75	3.20	2.17	2.75	.02	.35	.49	.80	.61	0	.0	.0	107	108
2	77	051	1500	19.63	2.96	4.23	1.88	8.31	.01	.29	.40	.89	.77	0	.0	.0	108	109
2	77	051	2100	19.48	3.98	5.82	2.25	7.04	.01	.28	.40	.69	.82	0	.0	.0	109	110
2	77	052	0300	19.58	3.71	5.76	2.08	7.21	.01	.24	.34	.61	.83	0	.0	.0	110	111
2	77	052	0900	19.39	3.71	5.82	1.94	7.96	.00	.17	.24	.44	.85	0	.0	.0	111	112
2	77	052	1500	18.96	2.95	4.41	1.79	7.88	.00	.16	.23	.56	.79	0	.0	.0	112	113
2	77	052	2100	19.62	2.55	3.57	1.71	7.97	.01	.17	.24	.45	.74	0	.0	.0	113	114
2	77	053	0300	19.59	2.48	3.20	1.91	2.87	.01	.20	.28	.47	.64	0	.0	.0	114	115
2	77	053	0900	19.62	2.79	3.84	1.88	7.96	.00	.14	.20	.33	.74	0	.0	.0	115	116
2	77	053	1500	19.60	2.52	3.58	1.68	8.42	.00	.12	.17	.31	.75	0	.0	.0	116	117
2	77	053	2100	19.66	2.94	4.08	1.93	8.22	.00	.14	.19	.33	.75	0	.0	.0	117	118
2	77	054	0300	19.57	2.52	3.38	1.76	9.47	.00	.12	.17	.29	.71	0	.0	.0	118	119
2	77	054	0900	19.59	2.40	2.90	1.84	9.28	.01	.17	.24	1.05	.64	0	.0	.0	119	120
2	77	054	1500	18.97	2.47	2.86	2.02	3.03	.02	.35	.49	.81	.58	0	.0	.0	120	121
2	77	054	2100	19.62	3.04	3.47	2.31	3.61	.01	.32	.44	.64	.65	0	.0	.0	121	122
2	77	055	0300	19.62	2.71	3.30	1.96	3.36	.01	.24	.33	.56	.69	0	.0	.0	122	123
2	77	055	0900	19.48	3.56	5.42	2.08	8.69	.00	.16	.22	.44	.81	0	.0	.0	123	124
2	77	055	1500	19.61	4.11	6.58	2.13	10.68	.00	.16	.22	1.07	.86	0	.0	.0	124	125
2	77	055	2100	19.60	3.29	4.88	2.00	10.09	.00	.13	.18	1.08	.80	0	.0	.0	125	126
2	77	056	0300	19.62	2.14	2.46	1.71	1.79	.00	.15	.21	.35	.61	0	.0	.0	126	127
2	77	056	0900	18.98	2.49	3.05	1.81	10.35	.00	.12	.17	.30	.69	0	.0	.0	127	128
2	77	056	1500	19.62	1.97	2.11	1.78	2.18	.01	.24	.34	.67	.43	0	.0	.0	128	129
2	77	056	2100	19.64	2.44	2.72	2.00	2.60	.00	.17	.24	.37	.57	0	.0	.0	129	130
2	77	057	0300	19.49	2.13	2.27	1.88	2.34	.01	.24	.33	.60	.47	0	.0	.0	130	131
2	77	057	0900	19.61	2.27	2.79	1.81	3.48	.01	.26	.36	.59	.60	0	.0	.0	131	132
2	77	057	1500	18.98	2.18	2.43	1.84	2.19	.01	.28	.39	.64	.54	0	.0	.0	132	133
2	77	057	2100	19.96	2.24	2.67	1.91	3.37	.01	.25	.35	.54	.52	0	.0	.0	133	134
2	77	058	0300	19.63	2.61	2.93	2.20	3.09	.03	.46	.64	1.03	.54	0	.0	.0	134	135
2	77	058	0900	19.27	3.06	4.17	2.11	4.67	.02	.35	.51	.85	.73	0	.0	.0	135	136
2	77	058	1500	19.64	2.42	2.87	1.98	4.25	.01	.28	.40	.72	.57	0	.0	.0	136	137
2	77	058	2100	19.63	2.78	3.23	2.17	4.04	.01	.22	.30	.46	.63	0	.0	.0	137	138
2	77	059	0300	19.62	2.53	3.20	1.84	10.11	.00	.13	.19	.34	.69	0	.0	.0	138	139
2	77	059	0900	19.43	2.05	2.23	1.81	2.39	.01	.25	.34	.63	.47	0	.0	.0	139	140
2	77	059	1500	19.63	2.10	2.31	1.80	2.71	.01	.23	.32	.55	.51	0	.0	.0	140	141
2	77	059	2100	19.60	2.58	2.96	2.00	3.47	.01	.19	.26	.41	.64	0	.0	.0	141	142
2	77	060	0300	19.62	2.32	2.54	1.86	2.09	.00	.12	.17	.29	.60	0	.0	.0	142	143
2	77	060	0900	19.63	2.08	2.21	1.65	10.05	.00	.15	.21	.33	.61	0	.0	.0	143	144
2	77	060	1500	19.60	2.54	2.84	2.13	3.05	.03	.47	.66	1.35	.54	0	.0	.0	144	145
2	77	060	2100	19.59	3.10	4.04	2.17	4.84	.02	.38	.53	.92	.71	0	.0	.0	145	146
2	77	061	0300	19.62	3.22	4.04	2.32	3.86	.01	.20	.28	.47	.69	0	.0	.0	146	147
2	77	061	0900	19.65	2.56	3.21	2.04	4.53	.02	.39	.54	.96	.61	0	.0	.0	147	148
2	77	061	1500	19.64	2.92	3.61	2.20	4.92	.03	.41	.57	1.18	.66	0	.0	.0	148	149
2	77	061	2100	19.62	2.40	3.04	1.91	4.44	.02	.36	.50	.87	.61	0	.0	.0	149	150
2	77	062	0300	19.60	2.67	3.24	2.15	4.26	.02	.39	.55	1.16	.59	0	.0	.0	150	151
2	77	062	0900	19.59	3.08	4.44	2.10	5.52	.02	.34	.48	.86	.73	0	.0	.0	151	152
2	77	062	1500	18.24	4.31	4.93	2.68	5.22	.01	.25	.35	.55	.78	0	.0	.0	152	153

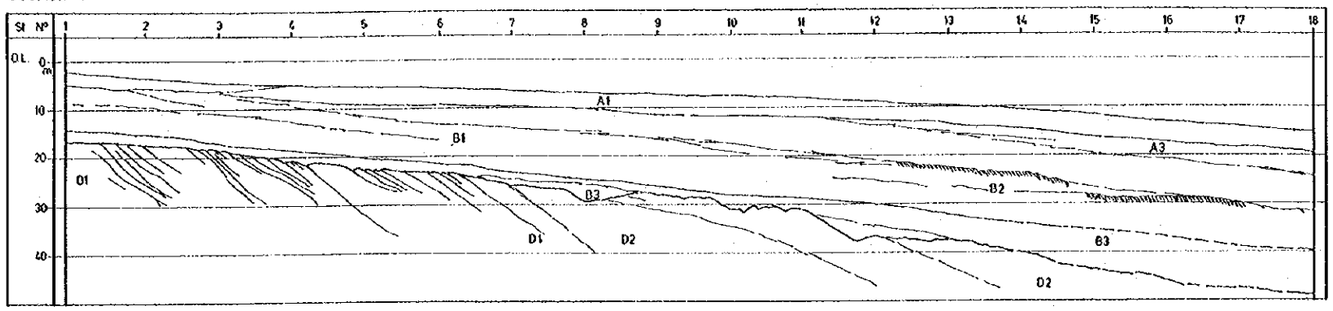
SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* * TZ	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* M.2/SEC	*RMS	WAVE HEIGHTS HSIG	M. * HMAX*	*WAVE*DATA ERR* EPS*	DIR*	MAG	NSE*	T.FLE*	FILE*
2	77	062	2100	19.57	2.20	2.78	1.69	4.62	.01	.22	.30	.49	.64	0	.0	.0	153	154
2	77	063	0300	19.57	2.56	3.32	1.72	10.24	.00	.13	.18	.30	.74	0	.0	.0	154	155
2	77	063	0900	19.55	3.15	4.80	1.88	6.08	.01	.29	.41	.66	.80	0	.0	.0	155	156
2	77	063	1500	19.57	3.61	4.38	2.36	4.63	.01	.23	.31	.52	.76	0	.0	.0	156	157
2	77	063	2100	19.64	4.05	5.18	2.38	10.52	.00	.15	.20	.34	.81	0	.0	.0	157	158
2	77	064	0300	18.71	3.41	4.40	2.55	5.10	.07	.66	.93	1.43	.66	0	.0	.0	158	159
2	77	064	0900	19.61	3.42	4.36	2.32	4.77	.02	.32	.45	.76	.74	0	.0	.0	159	160
2	77	064	1500	18.94	3.65	4.51	2.57	5.03	.01	.25	.35	.62	.71	0	.0	.0	160	161
2	77	064	2100	19.64	2.46	2.85	2.08	2.97	.02	.39	.55	.95	.54	0	.0	.0	161	162
2	77	065	0300	18.92	3.54	4.51	2.35	4.92	.01	.33	.46	.79	.75	0	.0	.0	162	163
2	77	065	0900	19.60	3.71	4.89	2.39	5.50	.04	.50	.72	1.34	.77	0	.0	.0	163	164
2	77	065	1500	19.59	3.97	5.16	2.63	5.57	.04	.50	.71	1.38	.75	0	.0	.0	164	165
2	77	065	2100	18.86	3.94	4.89	2.40	5.43	.02	.37	.51	.88	.79	0	.0	.0	165	166
2	77	066	0300	19.61	3.67	4.62	2.41	4.89	.03	.47	.65	1.17	.75	0	.0	.0	166	167
2	77	066	0900	19.55	4.23	5.41	2.57	5.87	.02	.39	.54	.88	.79	0	.0	.0	167	168
2	77	066	1500	19.63	3.05	4.30	2.10	5.49	.01	.31	.43	.65	.72	0	.0	.0	168	169
2	77	066	2100	19.57	3.67	4.44	2.55	5.54	.06	.65	.89	1.56	.72	0	.0	.0	169	170
2	77	067	0300	19.51	4.20	5.47	2.81	6.32	.09	.77	1.09	1.92	.74	0	.0	.0	170	171
2	77	067	0900	19.55	4.71	6.45	3.01	7.36	.13	.95	1.36	2.24	.77	0	.0	.0	171	172
2	77	067	1500	19.58	4.34	5.63	2.84	6.53	.14	1.01	1.41	2.35	.76	0	.0	.0	172	173
2	77	067	2100	19.53	4.37	5.65	2.99	6.50	.11	.89	1.28	2.08	.73	0	.0	.0	173	174
2	77	068	0300	19.56	4.55	5.78	2.98	6.25	.10	.85	1.21	2.00	.76	0	.0	.0	174	175
2	77	068	0900	18.76	4.26	5.95	2.58	7.46	.09	.77	1.10	1.93	.80	0	.0	.0	175	176
2	77	068	1500	19.62	4.07	5.45	2.78	6.21	.14	.97	1.41	2.65	.73	0	.0	.0	176	177
2	77	068	2100	18.28	4.77	5.89	3.35	6.69	.07	.73	1.02	1.51	.71	0	.0	.0	177	178
2	77	069	0300	19.52	3.85	5.20	2.45	5.75	.04	.52	.74	1.08	.77	0	.0	.0	178	179
2	77	069	0900	19.59	4.29	5.70	2.73	6.29	.07	.69	.99	1.54	.77	0	.0	.0	179	180
2	77	069	1500	18.92	4.33	5.79	2.69	6.58	.07	.69	.98	1.69	.78	0	.0	.0	180	181
2	77	069	2100	18.88	4.64	5.59	3.14	5.99	.05	.64	.89	1.48	.74	0	.0	.0	181	182
2	77	070	0300	19.57	3.44	4.52	2.40	5.16	.03	.41	.59	1.01	.72	0	.0	.0	182	183
2	77	070	0900	19.62	3.96	4.94	2.51	5.07	.02	.38	.54	1.14	.77	0	.0	.0	183	184
2	77	070	1500	19.57	3.96	4.80	2.50	5.16	.02	.38	.54	.98	.78	0	.0	.0	184	185
2	77	070	2100	18.87	3.54	4.58	2.27	4.82	.01	.28	.40	.76	.77	0	.0	.0	185	186
2	77	071	0300	18.32	3.83	4.74	2.73	5.09	.05	.58	.80	1.30	.70	0	.0	.0	186	187
2	77	071	0900	19.61	3.81	4.93	2.57	5.31	.04	.55	.78	1.38	.74	0	.0	.0	187	188
2	77	071	1500	19.65	3.59	4.71	2.42	5.19	.03	.44	.62	.98	.74	0	.0	.0	188	189
2	77	071	2100	19.61	3.59	4.35	2.35	4.78	.01	.26	.37	.59	.75	0	.0	.0	189	190
2	77	072	0300	19.63	3.20	3.71	2.38	4.36	.01	.24	.32	.53	.67	0	.0	.0	190	191
2	77	072	0900	18.29	3.15	3.91	2.23	4.55	.01	.28	.39	.70	.71	0	.0	.0	191	192
2	77	072	1500	19.64	3.63	4.86	2.15	4.15	.00	.14	.20	.35	.81	0	.0	.0	192	193
2	77	072	2100	18.98	2.55	3.02	1.94	3.14	.01	.19	.26	.40	.65	0	.0	.0	193	194
2	77	073	0300	18.07	2.61	3.36	1.75	9.98	.00	.14	.19	.33	.74	0	.0	.0	194	195
2	77	073	0900	18.12	2.36	2.72	1.76	9.54	.00	.16	.22	.38	.65	0	.0	.0	195	196
2	77	073	1500	19.58	2.79	3.67	1.78	8.91	.00	.17	.23	.43	.77	0	.0	.0	196	197
2	77	073	2100	19.63	3.11	4.58	1.78	9.49	.00	.16	.21	1.14	.82	0	.0	.0	197	198
2	77	074	0300	19.50	2.95	3.70	2.16	2.80	.01	.26	.36	.64	.68	0	.0	.0	198	199
2	77	074	0900	19.61	3.84	5.69	2.05	9.15	.01	.24	.33	.62	.85	0	.0	.0	199	200
2	77	074	1500	19.61	2.81	3.85	1.88	9.32	.01	.19	.26	.45	.74	0	.0	.0	200	201
2	77	074	2100	18.97	3.13	4.94	1.74	9.70	.00	.14	.19	.34	.83	0	.0	.0	201	202
2	77	075	0300	17.63	3.20	4.83	1.88	9.69	.01	.18	.25	1.16	.81	0	.0	.0	202	203
2	77	075	0900	19.55	3.52	5.62	1.89	9.35	.00	.15	.22	.38	.84	0	.0	.0	203	204

SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* TZ	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* M.2/SEC	WAVE *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE EPS*	*DATA DIR*	ERR* MAG	NSE*	* T.FLE*	* FILE*
2	77	075	1500	19.61	2.75	3.44	2.04	8.86	.01	.28	.39	.63	.67	0	.0	.0	204	205
2	77	075	2100	19.51	4.45	7.24	2.14	8.65	.01	.27	.38	.70	.88	0	.0	.0	205	206
2	77	076	0300	19.54	5.72	8.27	2.14	8.49	.02	.33	.47	.85	.93	0	.0	.0	206	207
2	77	076	0900	19.57	4.52	7.51	2.01	8.79	.01	.27	.40	.88	.90	0	.0	.0	207	208
2	77	076	1500	19.57	4.16	7.24	1.82	9.14	.01	.26	.39	.66	.90	0	.0	.0	208	209
2	77	076	2100	19.53	4.71	7.60	2.22	9.52	.01	.28	.41	.70	.88	0	.0	.0	209	210
2	77	077	0300	19.41	6.10	8.88	2.37	9.15	.02	.32	.47	.71	.92	0	.0	.0	210	211
2	77	077	0900	19.56	5.67	9.19	2.02	10.40	.01	.30	.45	.79	.93	0	.0	.0	211	212
2	77	077	1500	18.27	4.96	7.90	1.99	9.00	.02	.32	.46	.79	.92	0	.0	.0	212	213
2	77	077	2100	19.57	5.46	8.26	2.47	9.66	.02	.34	.49	.80	.89	0	.0	.0	213	214
2	77	078	0300	19.54	4.75	7.12	2.05	8.02	.02	.32	.47	.78	.90	0	.0	.0	214	215
2	77	078	0900	19.56	5.29	8.16	2.27	9.07	.02	.34	.49	.97	.90	0	.0	.0	215	216
2	77	078	1500	19.54	4.34	7.06	1.94	8.32	.01	.30	.44	.79	.89	0	.0	.0	216	217
2	77	078	2100	19.55	4.04	6.42	2.03	8.85	.02	.33	.48	.85	.86	0	.0	.0	217	218
2	77	079	0300	18.89	3.90	6.29	2.15	9.15	.02	.36	.52	.88	.83	0	.0	.0	218	219
2	77	079	0900	18.82	6.38	8.28	2.63	8.56	.02	.35	.49	.82	.91	0	.0	.0	219	220
2	77	079	1500	19.64	5.72	7.75	2.32	8.28	.01	.29	.40	.65	.91	0	.0	.0	220	221
2	77	079	2100	19.59	4.01	6.51	1.87	8.40	.02	.30	.44	.81	.88	0	.0	.0	221	222
2	77	080	0300	19.62	5.66	8.01	2.34	8.45	.02	.33	.47	.79	.91	0	.0	.0	222	223
2	77	080	0900	19.31	5.22	7.60	2.19	8.26	.01	.31	.43	1.24	.91	0	.0	.0	223	224
2	77	080	1500	19.57	3.69	5.81	1.89	8.46	.01	.25	.36	.68	.86	0	.0	.0	224	225
2	77	080	2100	19.61	3.01	3.97	2.08	6.49	.02	.32	.44	.66	.72	0	.0	.0	225	226
2	77	081	0300	19.57	3.49	4.88	2.21	8.72	.01	.27	.37	.61	.77	0	.0	.0	226	227
2	77	081	0900	19.57	3.75	5.11	2.33	7.73	.01	.27	.38	.65	.78	0	.0	.0	227	228
2	77	081	1500	18.95	4.12	5.74	2.34	9.00	.01	.24	.34	.59	.82	0	.0	.0	228	229
2	77	081	2100	19.56	3.39	4.85	2.13	6.84	.01	.28	.39	.73	.78	0	.0	.0	229	230
2	77	082	0300	19.59	3.51	5.01	2.19	8.19	.02	.32	.45	.83	.78	0	.0	.0	230	231
2	77	082	0900	19.59	3.96	5.22	2.33	3.87	.01	.27	.38	.57	.81	0	.0	.0	231	232
2	77	082	1500	18.95	3.52	5.00	2.03	7.69	.01	.25	.35	.63	.82	0	.0	.0	232	233
2	77	082	2100	19.55	2.93	3.57	2.18	3.35	.02	.32	.44	.79	.67	0	.0	.0	233	234
2	77	083	0300	18.92	2.99	3.92	2.20	3.86	.02	.34	.47	.75	.68	0	.0	.0	234	235
2	77	083	0900	19.58	3.84	4.60	2.46	3.99	.02	.34	.46	.75	.77	0	.0	.0	235	236
2	77	083	1500	19.60	3.48	4.92	2.17	4.87	.01	.29	.41	.75	.78	0	.0	.0	236	237
2	77	083	2100	19.60	3.28	4.23	2.31	4.74	.02	.31	.43	.67	.71	0	.0	.0	237	238
2	77	084	0300	19.53	3.31	4.42	2.24	4.42	.02	.34	.47	.83	.74	0	.0	.0	238	239
2	77	084	0900	19.55	3.76	4.58	2.35	4.54	.02	.36	.50	.77	.78	0	.0	.0	239	240
2	77	084	1500	19.27	3.69	5.16	2.13	4.87	.01	.30	.42	.75	.82	0	.0	.0	240	241
2	77	084	2100	19.57	3.27	4.59	2.21	5.49	.02	.32	.45	.76	.74	0	.0	.0	241	242
2	77	085	0300	19.53	3.10	4.33	2.19	4.14	.02	.38	.55	1.03	.71	0	.0	.0	242	243
2	77	085	0900	18.22	4.09	5.09	2.63	4.42	.02	.39	.54	1.06	.77	0	.0	.0	243	244
2	77	085	1500	19.59	3.67	5.03	2.21	5.21	.02	.34	.49	.74	.80	0	.0	.0	244	245
2	77	085	2100	19.62	3.26	4.43	2.19	5.47	.02	.32	.45	.73	.74	0	.0	.0	245	246
2	77	086	0300	19.59	3.18	4.03	2.32	4.04	.02	.39	.54	.92	.68	0	.0	.0	246	247
2	77	086	0900	18.93	3.18	4.07	2.26	4.04	.02	.32	.45	.79	.70	0	.0	.0	247	248
2	77	086	1500	19.61	3.08	4.33	2.17	4.24	.01	.29	.41	.69	.71	0	.0	.0	248	249
2	77	086	2100	19.58	3.06	3.95	2.21	3.50	.01	.29	.41	.82	.69	0	.0	.0	249	250
2	77	087	0300	19.61	3.30	4.30	2.22	3.93	.01	.31	.44	.69	.74	0	.0	.0	250	251
2	77	087	0900	19.33	3.67	4.79	2.26	5.43	.01	.25	.36	.63	.79	0	.0	.0	251	252
2	77	087	1500	19.57	3.70	4.77	2.15	4.57	.01	.24	.34	.64	.81	0	.0	.0	252	253
2	77	087	2100	19.59	3.41	5.03	2.00	5.96	.01	.18	.25	.56	.81	0	.0	.0	253	254
2	77	088	0300	19.57	2.93	4.11	1.88	6.69	.01	.18	.25	.39	.77	0	.0	.0	254	255

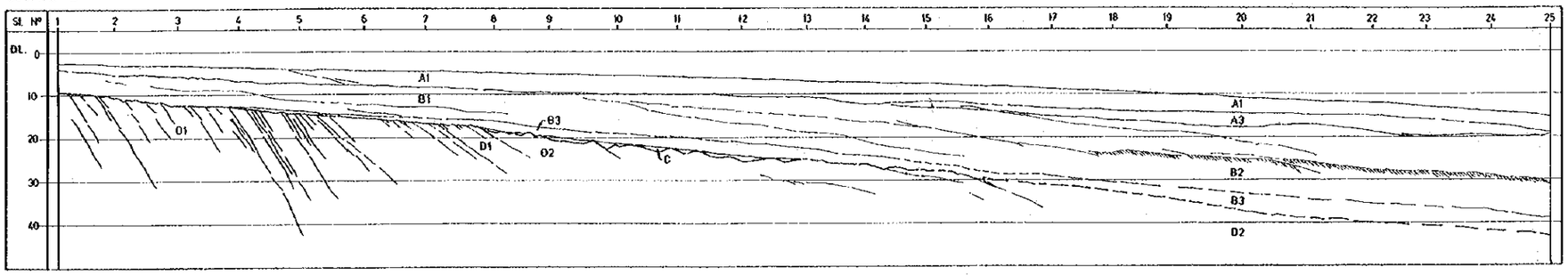
SITE NO	*YEAR *	DAY	TIME	OBS.LGTH MINS	* * TZ	PERIOD (SECS) TS	TC	TP*	*ENGY DENS* M.2/SEC	WAVE *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE EPS*	*DATA DIR*	ERR* MAG	NSE*	* T.FLE*	* FILE*
2	77	086	0900	19.61	3.23	4.61	1.90	7.65	.00	.16	.22	.36	.81	0	.0	.0	255	256
2	77	086	1500	19.62	2.42	3.01	1.77	1.87	.01	.17	.23	.39	.68	0	.0	.0	256	257
2	77	086	2100	18.96	2.66	3.36	1.91	2.79	.01	.20	.27	.43	.70	0	.0	.0	257	258
2	77	087	0300	19.61	2.46	2.88	1.98	2.79	.01	.22	.30	.51	.59	0	.0	.0	258	259
2	77	087	0900	19.59	2.67	3.16	2.06	3.41	.01	.27	.38	.63	.63	0	.0	.0	259	260
2	77	089	1500	19.59	2.42	3.20	1.81	3.60	.01	.21	.30	.56	.67	0	.0	.0	260	261
2	77	089	2100	19.58	2.54	3.04	2.02	3.26	.01	.22	.31	.48	.61	0	.0	.0	261	262
2	77	090	0300	18.89	2.67	3.18	2.15	3.68	.02	.32	.44	.74	.59	0	.0	.0	262	263
2	77	090	0900	19.55	2.96	3.91	2.21	4.19	.01	.28	.40	.80	.67	0	.0	.0	263	264
2	77	090	1500	19.59	2.87	3.66	2.14	4.52	.01	.28	.39	.62	.67	0	.0	.0	264	265
2	77	090	2100	19.58	2.84	3.62	2.24	3.85	.02	.31	.44	.80	.61	0	.0	.0	265	266
2	77	091	0300	19.56	2.93	3.69	2.31	4.09	.02	.41	.57	1.09	.62	0	.0	.0	266	267
2	77	091	0900	19.60	3.67	4.48	2.60	5.07	.02	.34	.48	.78	.71	0	.0	.0	267	268
2	77	091	1500	19.51	3.39	4.60	2.24	5.10	.02	.32	.45	.74	.75	0	.0	.0	268	269
2	77	091	2100	19.58	3.30	4.13	2.38	5.63	.02	.40	.56	.92	.69	0	.0	.0	269	270
2	77	092	0300	18.87	4.09	5.36	2.76	6.02	.03	.46	.64	1.16	.74	0	.0	.0	270	271
2	77	092	0900	19.56	3.94	5.82	2.38	7.18	.04	.48	.69	1.17	.80	0	.0	.0	271	272
2	77	092	1500	18.98	3.82	5.92	2.23	7.54	.03	.45	.65	1.19	.81	0	.0	.0	272	273
2	77	092	2100	18.92	4.05	6.00	2.41	6.82	.03	.41	.59	1.23	.80	0	.0	.0	273	274
2	77	093	0300	19.61	3.73	5.59	2.42	6.67	.04	.50	.72	1.21	.76	0	.0	.0	274	275
2	77	093	0900	19.62	4.54	6.30	2.38	6.90	.04	.52	.74	1.12	.85	0	.0	.0	275	276
2	77	093	1500	19.54	3.64	5.92	2.14	7.43	.03	.45	.67	1.08	.81	0	.0	.0	276	277
2	77	093	2100	19.57	3.84	5.83	2.32	7.18	.02	.39	.56	1.00	.80	0	.0	.0	277	278
2	77	094	0300	19.60	4.74	6.15	2.83	6.82	.02	.41	.58	.96	.80	0	.0	.0	278	279
2	77	094	0900	19.33	3.95	5.48	2.47	6.76	.03	.44	.63	1.05	.78	0	.0	.0	279	280
2	77	094	1500	18.87	3.87	5.64	2.24	6.73	.03	.43	.63	1.20	.82	0	.0	.0	280	281
2	77	094	2100	19.61	3.50	4.38	2.50	4.31	.04	.54	.76	1.24	.70	0	.0	.0	281	282
2	77	095	0300	19.61	4.20	5.55	2.66	6.23	.05	.57	.82	1.35	.77	0	.0	.0	282	283
2	77	095	0900	18.92	3.66	5.31	2.45	6.86	.04	.49	.71	1.20	.74	0	.0	.0	283	284
2	77	095	1500	18.89	3.73	5.46	2.15	6.56	.03	.46	.67	1.12	.82	0	.0	.0	284	285
2	77	095	2100	19.55	3.83	5.73	2.25	6.39	.02	.38	.56	.92	.81	0	.0	.0	285	286
2	77	096	0300	18.88	3.00	4.34	2.04	6.79	.03	.40	.56	1.08	.73	0	.0	.0	286	287
2	77	096	0900	19.56	4.95	7.28	2.31	7.76	.02	.36	.52	.85	.88	0	.0	.0	287	288
2	77	096	1500	19.57	4.45	6.75	2.12	7.85	.03	.39	.58	1.03	.88	0	.0	.0	288	289
2	77	096	2100	19.54	4.46	6.85	2.47	7.66	.03	.40	.60	1.34	.83	0	.0	.0	289	290
2	77	097	0300	19.51	4.52	6.63	2.52	7.29	.02	.36	.54	1.04	.83	0	.0	.0	290	291
2	77	097	0900	19.62	5.14	6.76	2.68	7.23	.02	.38	.55	1.06	.85	0	.0	.0	291	292
2	77	097	1500	19.59	4.05	6.61	2.12	7.99	.02	.32	.47	.86	.85	0	.0	.0	292	293
2	77	097	2100	19.63	3.54	5.24	2.37	8.06	.03	.41	.59	1.13	.74	0	.0	.0	293	294
2	77	098	0300	19.53	3.08	4.21	2.22	7.86	.04	.51	.71	1.56	.69	0	.0	.0	294	295
2	77	098	0900	19.58	3.39	4.96	2.04	7.78	.02	.37	.53	.92	.80	0	.0	.0	295	296
2	77	098	1500	19.59	3.61	5.49	2.25	7.46	.02	.36	.51	.94	.78	0	.0	.0	296	297
2	77	098	2100	19.58	3.54	5.20	2.38	7.14	.03	.39	.56	1.13	.74	0	.0	.0	297	298
2	77	099	0300	18.19	3.59	4.91	2.33	7.02	.03	.41	.57	.88	.76	0	.0	.0	298	299
2	77	099	0900	19.57	3.72	5.60	2.13	7.24	.02	.37	.54	.85	.82	0	.0	.0	299	300
2	77	099	1500	19.61	3.76	5.82	1.98	8.02	.02	.32	.47	.91	.85	0	.0	.0	300	301
2	77	099	2100	18.97	3.87	5.82	2.52	7.82	.02	.34	.50	1.19	.76	0	.0	.0	301	302
2	77	100	0300	19.65	4.15	5.54	2.73	5.76	.02	.37	.53	1.00	.75	0	.0	.0	302	303
2	77	100	0900	19.61	4.14	6.38	2.09	6.39	.03	.41	.60	1.05	.86	0	.0	.0	303	304
2	77	100	1500	19.62	3.71	5.79	2.15	6.70	.02	.38	.56	.89	.82	0	.0	.0	304	305
2	77	100	2100	19.56	4.16	6.61	2.32	6.94	.02	.34	.52	1.00	.83	0	.0	.0	305	306

SITE NO	*YEAR	DAY	TIME	OBS-LGTH MINS	* PERIOD (SECS) TZ	TS	TC	TP*	ENGY DENS* M.2/SEC	WAVE *RMS	HEIGHTS HSIG	M. * HMAX*	*WAVE*DATA ERR* EPS*	DIR*	MAG	NSE*	T.FLE*	FILE*
2	77	101	0300	19.59	5.14	9.57	2.05	6.90	.02	.37	.52	1.06	.76	0	.0	.0	306	307
2	77	101	0900	19.57	5.45	5.92	1.97	6.76	.02	.35	.52	1.10	.82	0	.0	.0	307	308
2	77	101	1500	19.53	4.10	8.07	2.24	6.42	.02	.33	.47	.72	.84	0	.0	.0	308	309
2	77	101	2100	19.57	4.22	8.03	2.42	6.05	.01	.30	.44	.77	.82	0	.0	.0	309	310
2	77	102	0300	19.56	3.57	5.46	2.15	6.85	.02	.34	.49	.74	.80	0	.0	.0	310	311
2	77	102	0900	19.55	3.33	5.44	1.98	6.34	.02	.34	.49	1.01	.80	0	.0	.0	311	312
2	77	102	1500	19.57	3.00	4.53	1.89	6.43	.02	.35	.50	.99	.78	0	.0	.0	312	313
2	77	102	2100	18.41	3.39	4.49	2.42	6.56	.06	.62	.87	1.53	.70	0	.0	.0	313	314
2	77	103	0300	18.42	3.25	5.07	2.56	4.93	.07	.67	.95	1.38	.62	0	.0	.0	314	315
2	77	103	0900	18.69	4.63	7.07	2.42	8.66	.02	.39	.56	1.01	.85	0	.0	.0	315	316
2	77	103	1500	19.03	5.75	8.61	2.72	10.07	.02	.37	.54	.90	.88	0	.0	.0	316	317
2	77	103	2100	19.01	5.12	8.44	2.28	9.63	.03	.43	.64	1.16	.89	0	.0	.0	317	318
2	77	104	0300	19.56	5.29	8.45	2.57	9.78	.05	.56	.83	1.52	.87	0	.0	.0	318	319
2	77	104	0900	19.44	4.88	8.14	2.29	9.45	.06	.59	.86	1.59	.88	0	.0	.0	319	320
2	77	104	1500	19.53	5.10	8.24	2.31	9.08	.05	.57	.85	1.40	.89	0	.0	.0	320	321
2	77	104	2100	19.58	4.74	7.55	2.44	8.38	.05	.55	.81	1.61	.86	0	.0	.0	321	322
2	77	105	0300	19.56	4.49	7.63	2.41	8.31	.04	.53	.78	1.59	.88	0	.0	.0	322	323
2	77	105	0900	19.57	3.66	5.78	2.29	8.77	.06	.59	.83	1.32	.81	0	.0	.0	323	324
2	77	105	1500	19.59	3.94	6.16	2.17	8.76	.04	.49	.70	1.31	.83	0	.0	.0	324	325
2	77	105	2100	19.62	4.92	7.45	2.51	8.54	.03	.44	.64	.99	.84	0	.0	.0	325	326
2	77	106	0300	19.58	5.16	7.72	2.71	8.34	.03	.43	.62	1.04	.85	0	.0	.0	326	327
2	77	106	0900	19.59	4.49	7.46	2.15	8.66	.01	.28	.40	.96	.88	0	.0	.0	327	328
2	77	106	1500	19.57	3.36	5.49	1.72	8.27	.02	.28	.40	.71	.86	0	.0	.0	328	329
2	77	106	2100	19.53	4.23	7.41	2.00	8.35	.01	.24	.36	.68	.88	0	.0	.0	329	330
2	77	107	0300	19.62	5.27	8.30	1.87	9.06	.02	.31	.44	.99	.82	0	.0	.0	330	331
2	77	107	0900	19.63	4.56	8.34	1.93	9.02	.01	.27	.41	.71	.91	0	.0	.0	331	332
2	77	107	1500	19.61	4.88	7.59	2.27	8.52	.01	.27	.40	.74	.89	0	.0	.0	332	333
2	77	107	2100	19.62	5.92	8.20	2.09	8.26	.01	.26	.38	.59	.85	0	.0	.0	333	334
2	77	108	0300	19.65	5.67	6.81	2.64	5.01	.07	.67	.96	1.68	.70	0	.0	.0	334	335
2	77	108	0900	19.46	3.74	6.05	2.46	5.36	.05	.59	.83	1.20	.76	0	.0	.0	335	336
2	77	108	1500	19.52	3.71	6.68	2.57	5.53	.07	.69	.97	1.52	.72	0	.0	.0	336	337
2	77	108	2100	18.22	3.55	6.42	2.48	5.25	.06	.64	.90	1.54	.72	0	.0	.0	337	338
2	77	109	0300	18.23	3.31	6.23	2.41	4.85	.06	.62	.87	1.41	.69	0	.0	.0	338	339
2	77	109	0900	19.49	4.15	6.25	2.35	9.09	.06	.61	.88	1.49	.82	0	.0	.0	339	340
2	77	109	1500	19.53	4.74	7.35	2.60	8.76	.09	.74	1.07	1.78	.84	0	.0	.0	340	341
2	77	109	2100	19.53	5.23	7.89	2.67	9.03	.07	.65	.94	1.73	.86	0	.0	.0	341	342
2	77	110	0300	18.78	5.52	7.57	2.49	8.14	.04	.54	.78	1.23	.84	0	.0	.0	342	343
2	77	110	0900	18.60	3.02	6.45	1.72	8.42	.04	.50	.71	1.63	.82	0	.0	.0	343	344
2	77	111	0300	19.25	6.72	8.51	2.98	8.44	.08	.74	1.09	1.76	.90	0	.0	.0	346	345

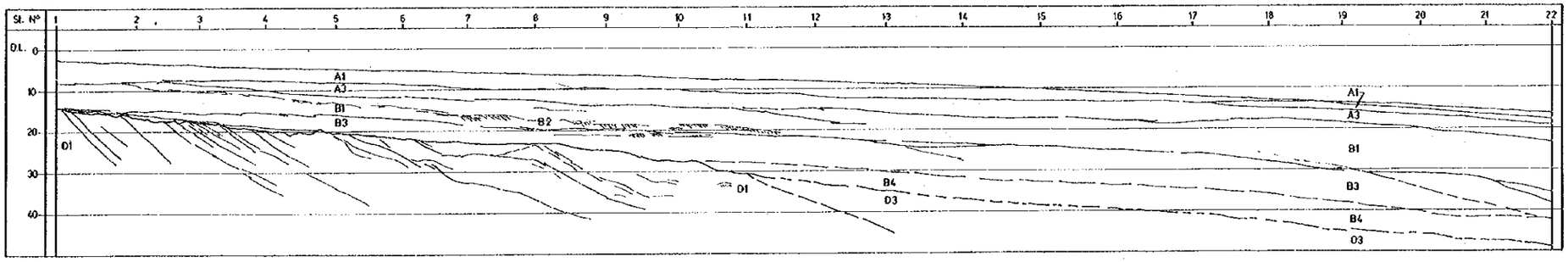
COURSE-1



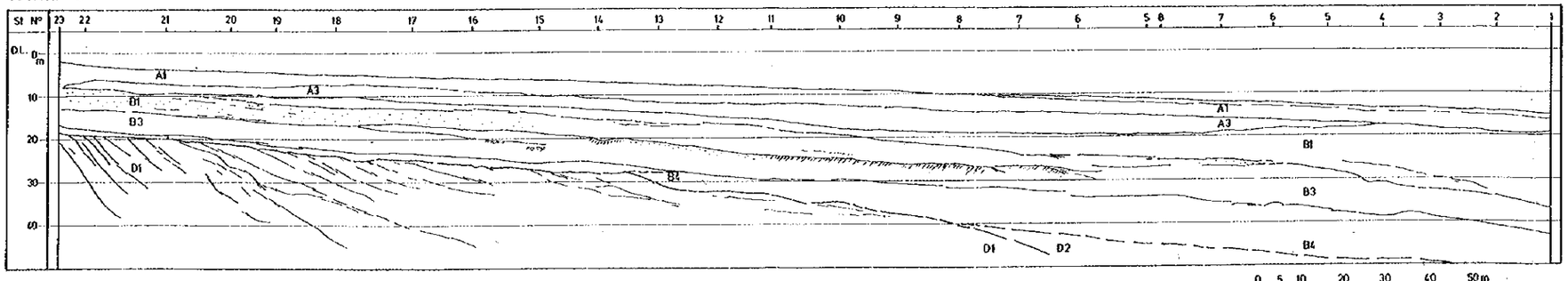
COURSE-2



COURSE - 3



COURSE - 4



Vertical scale 0 5 10 20 30 40 50m

Horizontal scale 0 01 05 1km

NOTES

1 For location of courses see Figure 19 in Volume 3
2 Datum level is lowest low water.
3 For full details of the 1973 survey in Orokolo Bay see the report prepared by Nippon Koei Co, Ltd. and Kokusai Aerial Surveys Co Ltd, March 1973.

Estimated correlation 1973 survey

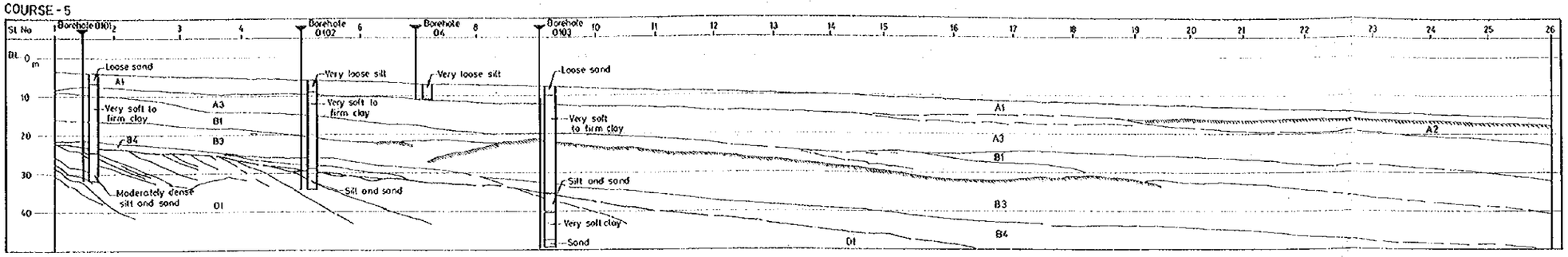
Layer	
A1	Mainly silt and clay
A2	Fine sand
A3	Mainly sandy silt
B1	Silt, clay
B2	Fine sand
B3	Sandy silt
B4	Fine sand
C	Gravel and sand
D1	Mudstone and sandstone
D2	Mudstone and sandstone

WABO POWER PROJECT

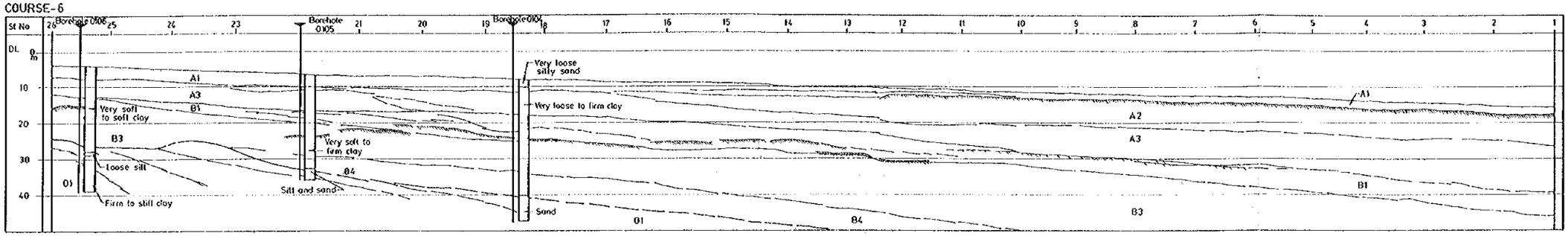
OROKOLO BAY
SONOSTRATOR SECTIONS

SHEET 1 OF 2

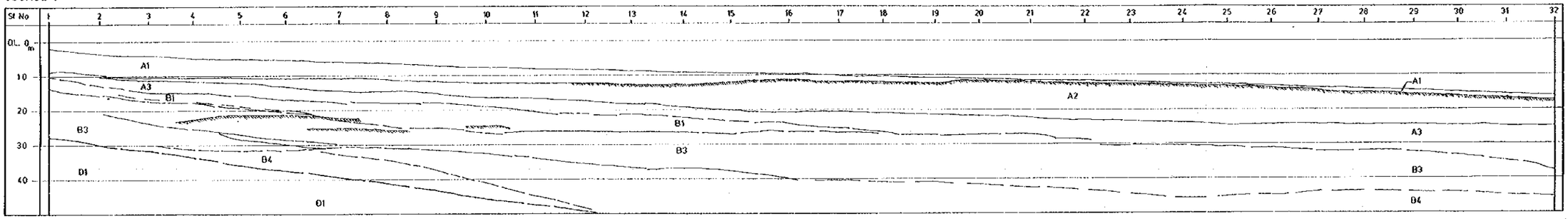
COURSE - 5



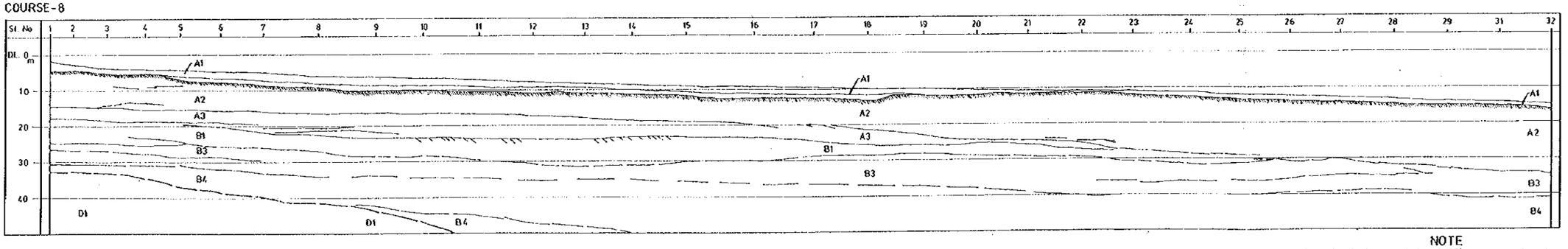
COURSE-6



COURSE-7



COURSE-8



NOTE
For notes and estimated correlation of 1973 survey see sheet 1

Vertical scale 0 5 10 20 30 40 50m

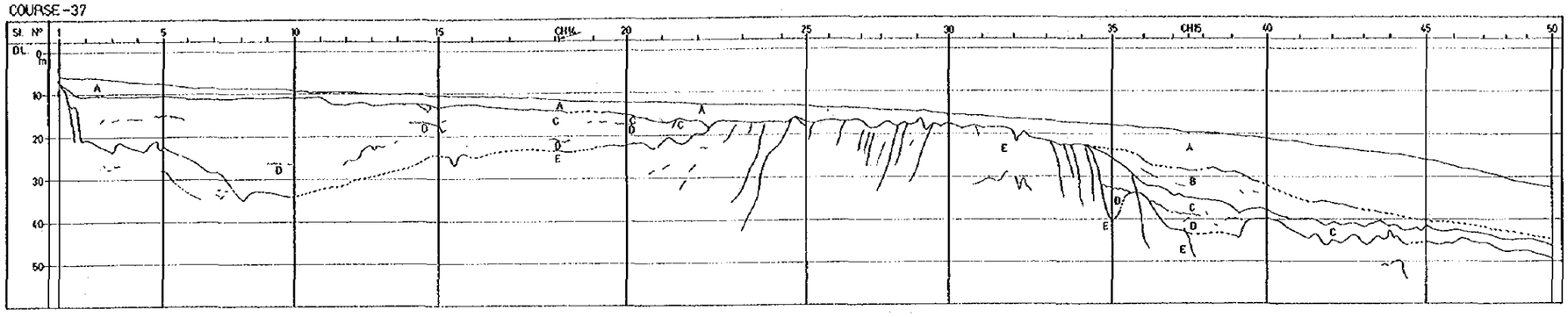
Horizontal scale 0 0.1 0.5 1km

WABO POWER PROJECT

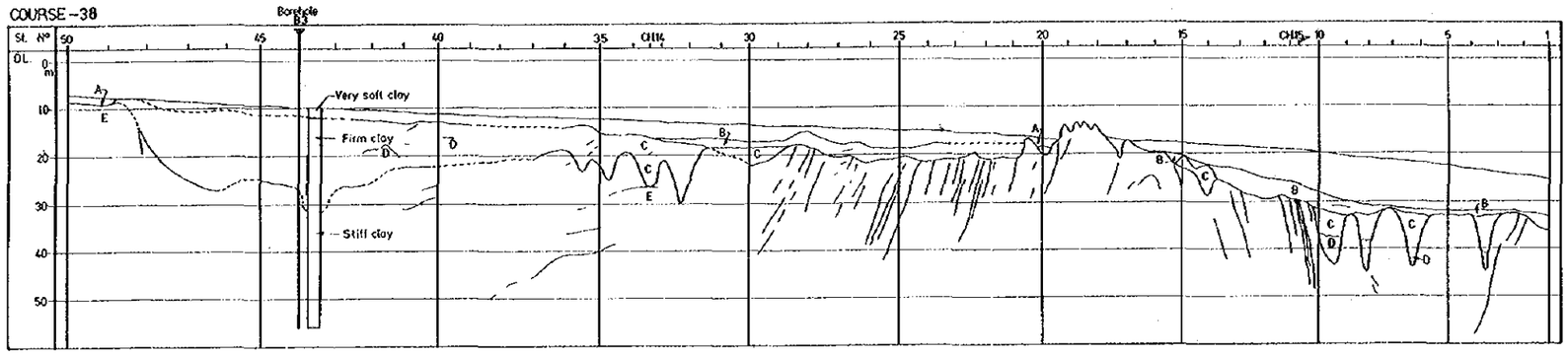
OROKOLO BAY
SONOSTRATOR SECTIONS

SHEET 2 OF 2 図 2

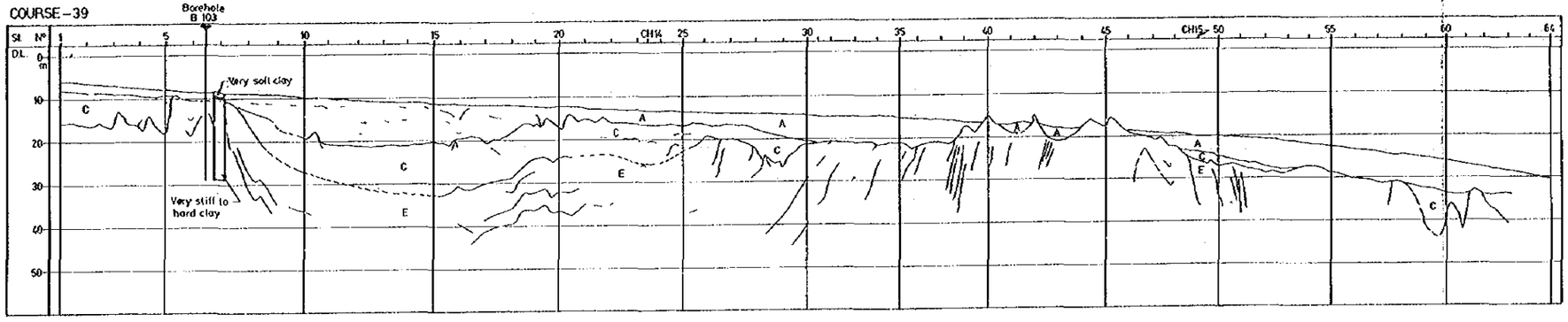
COURSE – 37



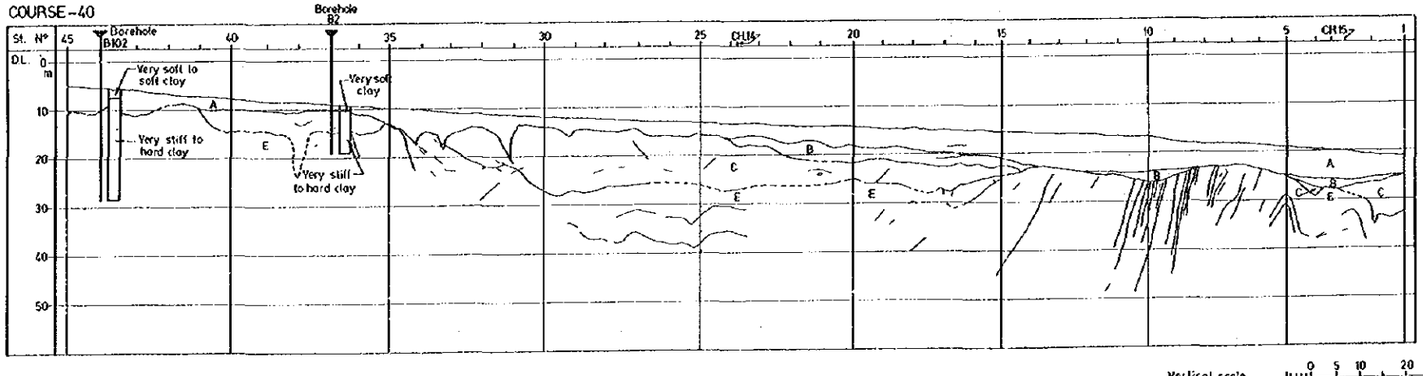
COURSE – 38



COURSE – 39



COURSE – 40



Vertical scale 0 5 10 20 30 40 50m (5)

Horizontal scale 0 0.2 1 2km (0.2)

NOTES

1. For location of courses see Figure 19 in Volume 3
2. Datum level is lowest low water.
3. For full details of the 1975 survey at The Bluff see the report prepared by Nippon Koei Co.,Ltd. and Kokusai Aerial Surveys Co Ltd, December 1975

Estimated correlation 1975 survey

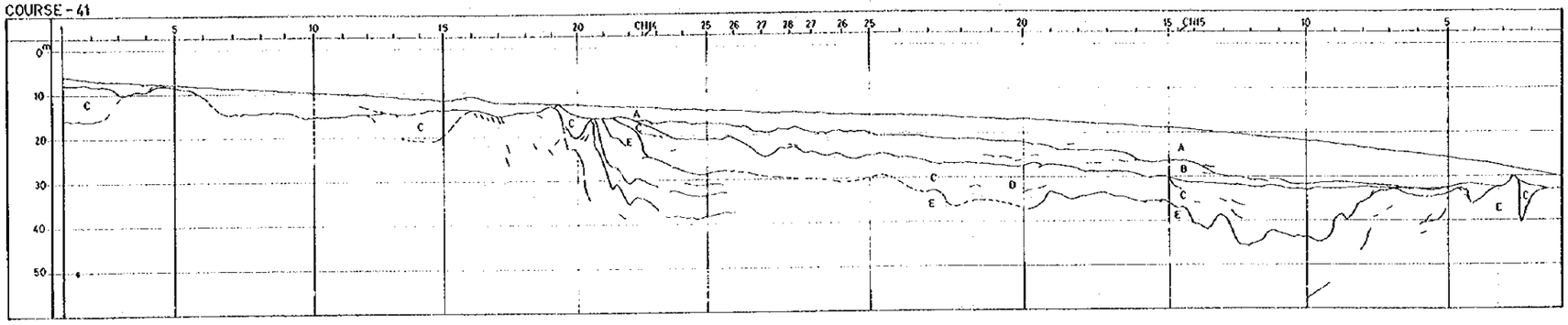
Layer	
A	Fine or silty sand
B	Alternations of sand and silt
C	Mainly medium or fine sand
D	Coarse sand or gravel (?)
E	Alternations of sandstone and mudstone

WABO POWER PROJECT

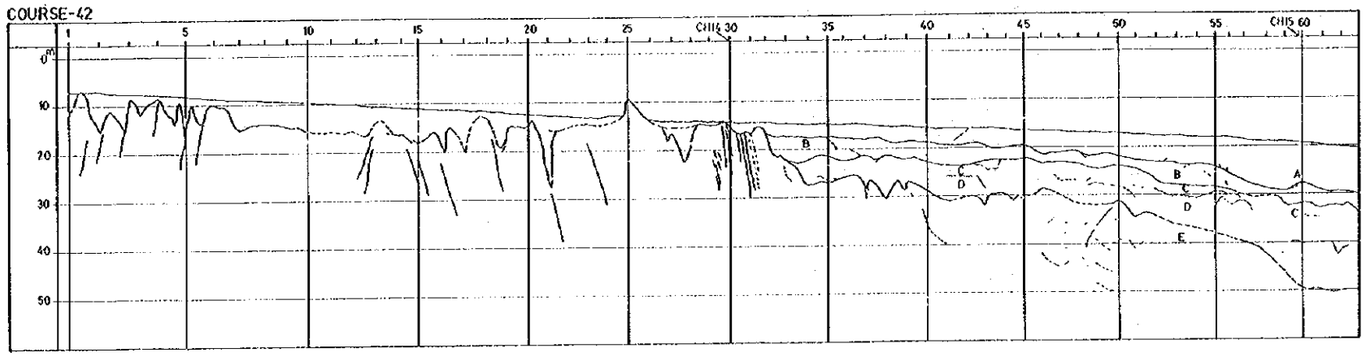
THE BLUFF
SONOSTRATOR SECTIONS

SHEET 1 OF 4 3

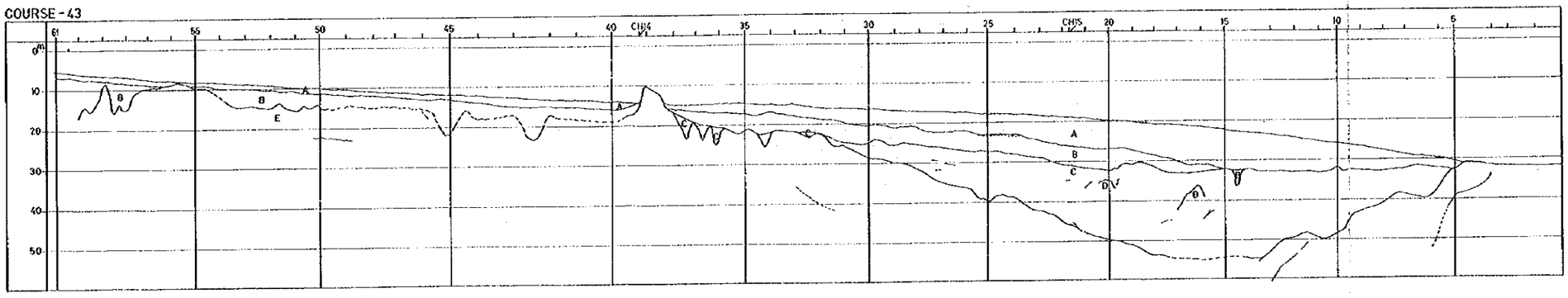
COURSE - 41



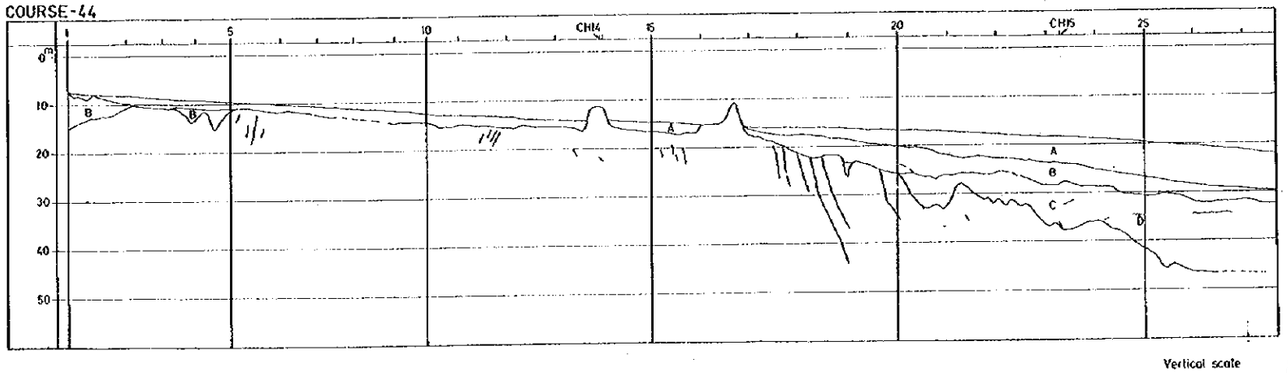
COURSE-42



COURSE - 43



COURSE-44



Vertical scale 5 0 5 10 20 30 40 50

Horizontal scale 0·2 0 0·2 1 2km

NOTE

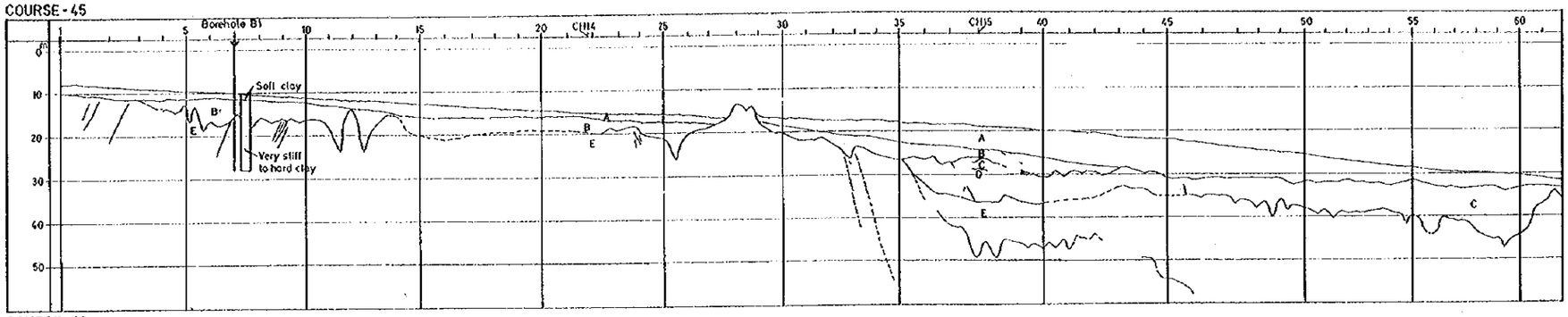
For notes and estimated correlation of 1975 survey see sheet 1

WABO POWER PROJECT

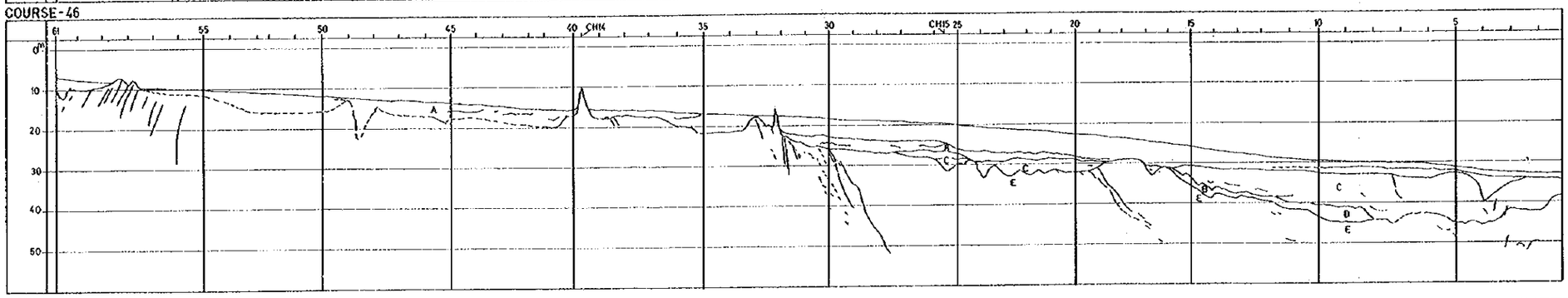
THE BLUFF
SONOSTRATOR SECTIONS

SHEET 2 OF 4 W 4

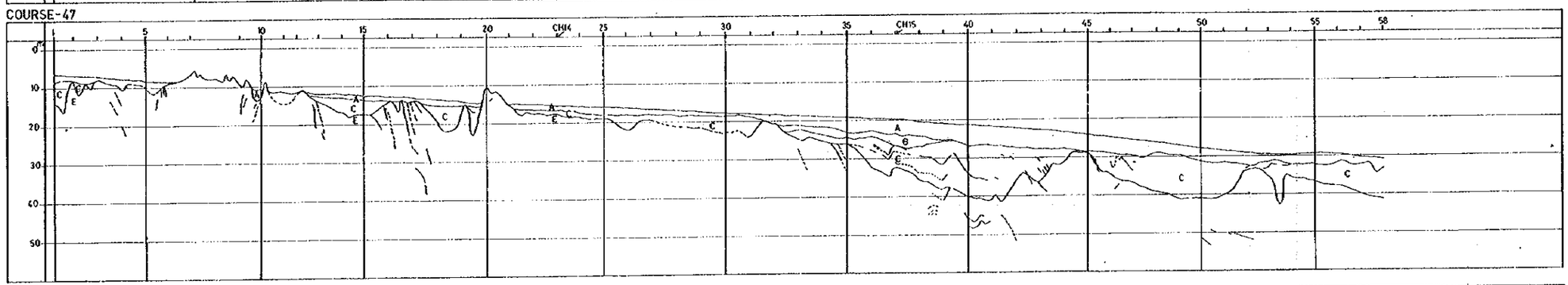
COURSE - 45



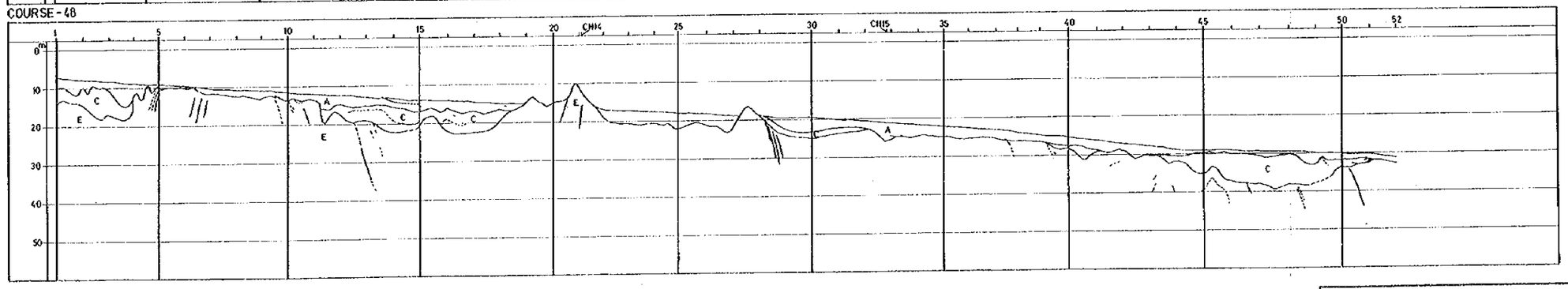
COURSE - 46



COURSE - 47



COURSE - 48



NOTE
For notes and estimated correlation of 1975 survey see sheet 1

Vertical scale 0 5 10 20 30 40 50m

Horizontal scale 0 02 1 2km

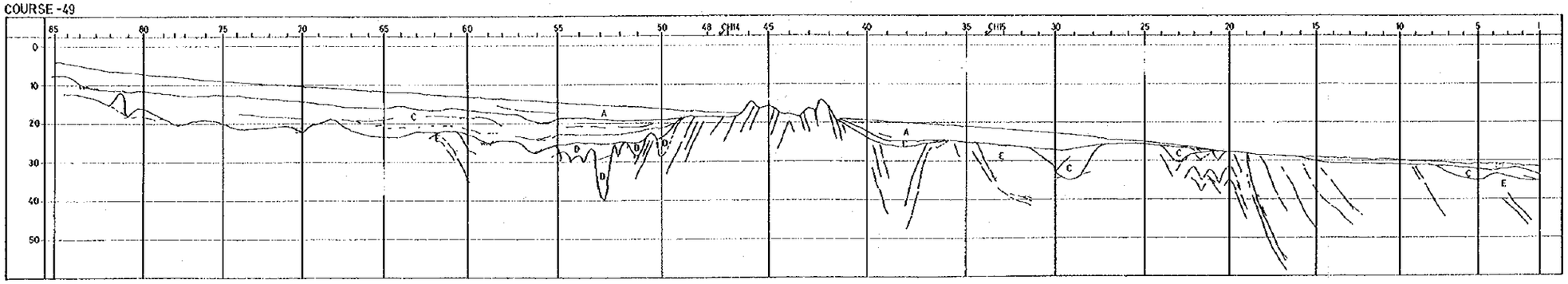
WABO POWER PROJECT

THE BLUFF
SONOSTRATOR SECTIONS

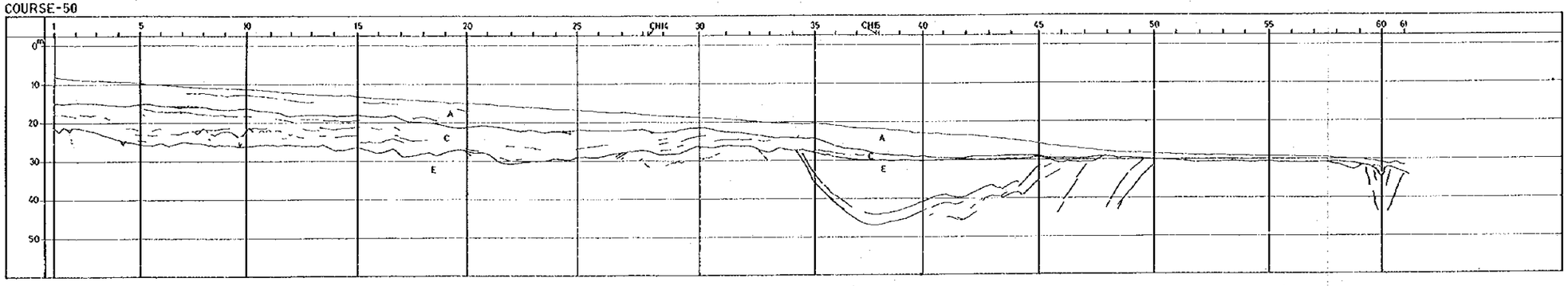
SHEET 3 OF 4

5

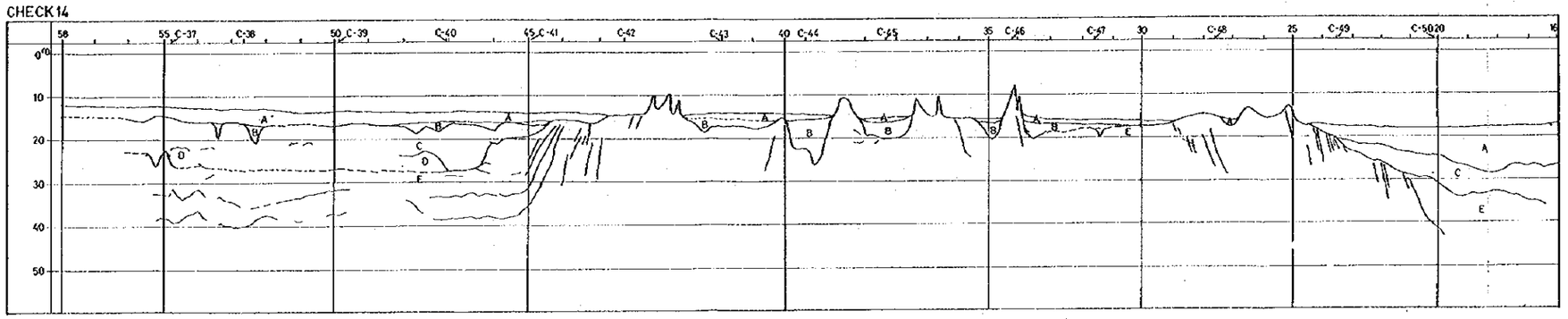
COURSE-49



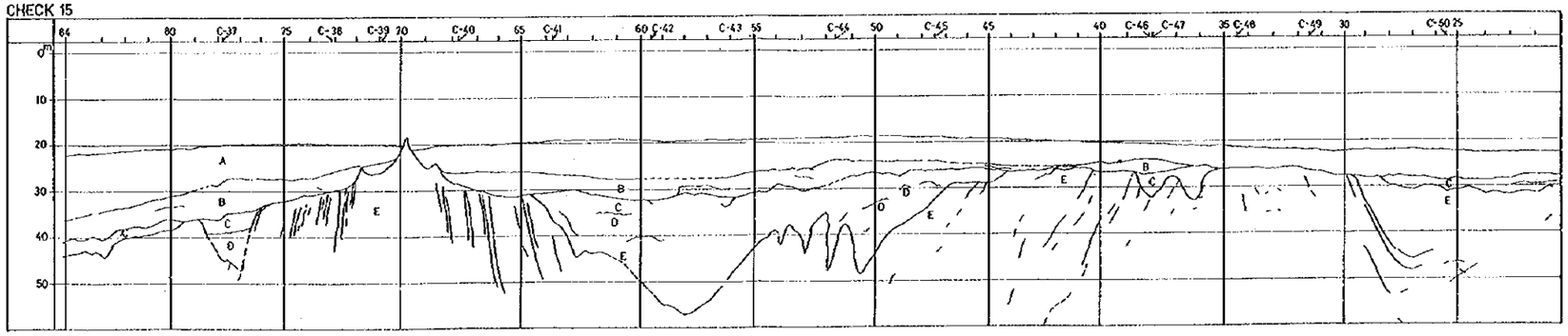
COURSE-50



CHECK 14



CHECK 15



Vertical scale 0 5 10 20 30 40 50m

Horizontal scale 0 0.2 1 2km

NOTE

For notes and estimated correlation of 1975 survey see sheet 1

WABO POWER PROJECT

THE BLUFF
SONOSTRATOR SECTIONS

SHEET 4 OF 4 6

SUMMARY OF LAND CATEGORIES

From personal observation in the field and photo interpretation, the land was categorised using numbers as detailed below. These numbers appear on the layout map for each site. In the Report the categories have been grouped into four broad categories, A - D

CATEGORY ON FIG	CATEGORY IN TEXT	DESCRIPTION
1 2a 2b 3	A	Unstable coastal and river strips Coastal swamp Inland swamp Elevation less than +7m and low slopes, less than 1 in 100
6 7	B	Steep slopes but with approx. 50% of the area with slopes less than 1 in 4 Too steep for development
5a 5b	C	Elevation above +7m (approx.) and good drainage slopes 1 in 100 to 1 in 7 Elevation above + 7m (approx.) and steeper slopes 1 in 7 to 1 in 4
4a 4b	D	Hill margins River margins Elevation above +7m (approx.) and low slopes less than 1 in 100
8		Plantations and villages

NOTES

1. C-38 etc. denotes Sonostrator survey lines in 1975,
2. All contours in metres

LEGEND

- Soundings
- Hand auger holes
- Onshore boreholes - Winkie drill
- Offshore vibrocore boreholes - November 1976
- Offshore boreholes - March - April 1976
- (2) Land categories
- Boundary of township
- Watershed

WABO POWER PROJECT

THE BLUFF

図 7

SUMMARY OF LAND CATEGORIES

From personal observation in the field and photo interpretation, the land was categorised using numbers as detailed below. These numbers appear on the layout map for each site. In the Report the categories have been grouped into four broad categories, A- D

CATEGORY ON FIG.	CATEGORY IN TEXT	DESCRIPTION
1 2a 2b 3	A	Unstable coastal and river strips Coastal swamp Inland swamp Elevation less than +7m and low slopes, less than 1 in 100
6 7	B	Steep slopes but with approx. 50% of the area with slopes less than 1 in 4 Too steep for development
5a 5b	C	Elevation above +7m (approx.) and good drainage slopes 1 in 100 to 1 in 7 Elevation above +7m (approx.) and steeper slopes 1 in 7 to 1 in 4
4a 4b	D	Hill margins River margins Elevation above +7m (approx) and low slopes less than 1 in 100
8		Plantations and villages

NOTES

1. All contours in metres
2. C-1 etc denotes Sonostrator survey lines in 1973

LEGEND

- Offshore vibrocore boreholes - November 1976
- Offshore boreholes March-April 1976
- Onshore boreholes
- Onshore vibrocore boreholes
- Hand auger holes
- (2) Land categories
- Boundaries of township
- Watershed

WABO POWER PROJECT

OROKOLO BAY

8

SUMMARY OF LAND CATEGORIES

From personal observation in the field and photo interpretation, the land was categorised using numbers as detailed below. These numbers appear on the layout map for each site. In the Report the categories have been grouped into four broad categories, A - D

CATEGORY ON FIG	CATEGORY IN TEXT	DESCRIPTION
1 2a 2b 3	A	Unstable coastal and river strips Coastal swamp Inland swamp Elevation less than +7m and low slopes, less than 1 in 100
6 7	B	Steep slopes but with approx 50% of the area with slopes less than 1 in 4 Too steep for development
5a 5b	C	Elevation above +7m (approx) and good drainage slopes 1 in 100 to 1 in 7 Elevation above +7m (approx) and steeper slopes 1 in 7 to 1 in 4
4a 4b	D	Hill margins Elevation above River margins +7m (approx) and low slopes less than 1 in 100
8		Plantations and villages

All contours in metres

LEGEND

- Offshore vibrocore boreholes - November 1976
- Onshore boreholes
- Onshore vibrocore boreholes
- Hand auger holes
- (2) Land categories,
- Boundary of township
- Watershed

WABO POWER PROJECT

VAILALA

9

SUMMARY OF LAND CATEGORIES

From personal observation in the field and photo interpretation, the land was categorised using numbers as detailed below. These numbers appear on the layout map for each site. In the Report the categories have been grouped into four broad categories, A - D

CATEGORY ON FIG	CATEGORY IN TEXT	DESCRIPTION
1		Unstable coastal and river strips
2a	A	Coastal swamp
2b		Inland swamp
3		Elevation less than +7m and low slopes, less than 1 in 100
6	B	Steep slopes but with approx. 50% of the area with slopes less than 1 in 4
7		Too steep for development
5a	C	Elevation above +7m (approx) and good drainage slopes 1in 100 to 1 in 7
5b		Elevation above + 7m (approx.) and steeper slopes 1 in 7 to 1 in 4
4a	D	Hill margins Elevation above
4b		River margins +7m(approx) and low slopes less than 1 in 100
8		Plantations and villages

HALL SOUND

YULE ISLAND

9 025 000

9 020 000

9 015 000

455 000

465 000

LNG

Access Road

Estuarine

Retena

Detena

Keabada

Poukama

Minor bulk stockpiles

Effluent treatment ponds

Caustic soda

Fertilizer

Silicon Carbide

Zinc

Steel

Copper

Ferro nickel

Aluminium

Ferro alloy

Vanuamal

HIRITANO

HIGHWAY

H1 H2 H3 H4 H5 H6 HA1 HA2 HA3 HA4 HA5 HA6 HA7

A B C D E F G

1 2 3 4 5a 5b 6 7

All contours in metres

LEGEND

- Hammer seismic traverses
- Current measuring stations
- Offshore boreholes - March - April 1976
- Hand auger holes
- (2) Land categories, see Figure 7
- Boundary of township
- Watershed

0 02 1 2km

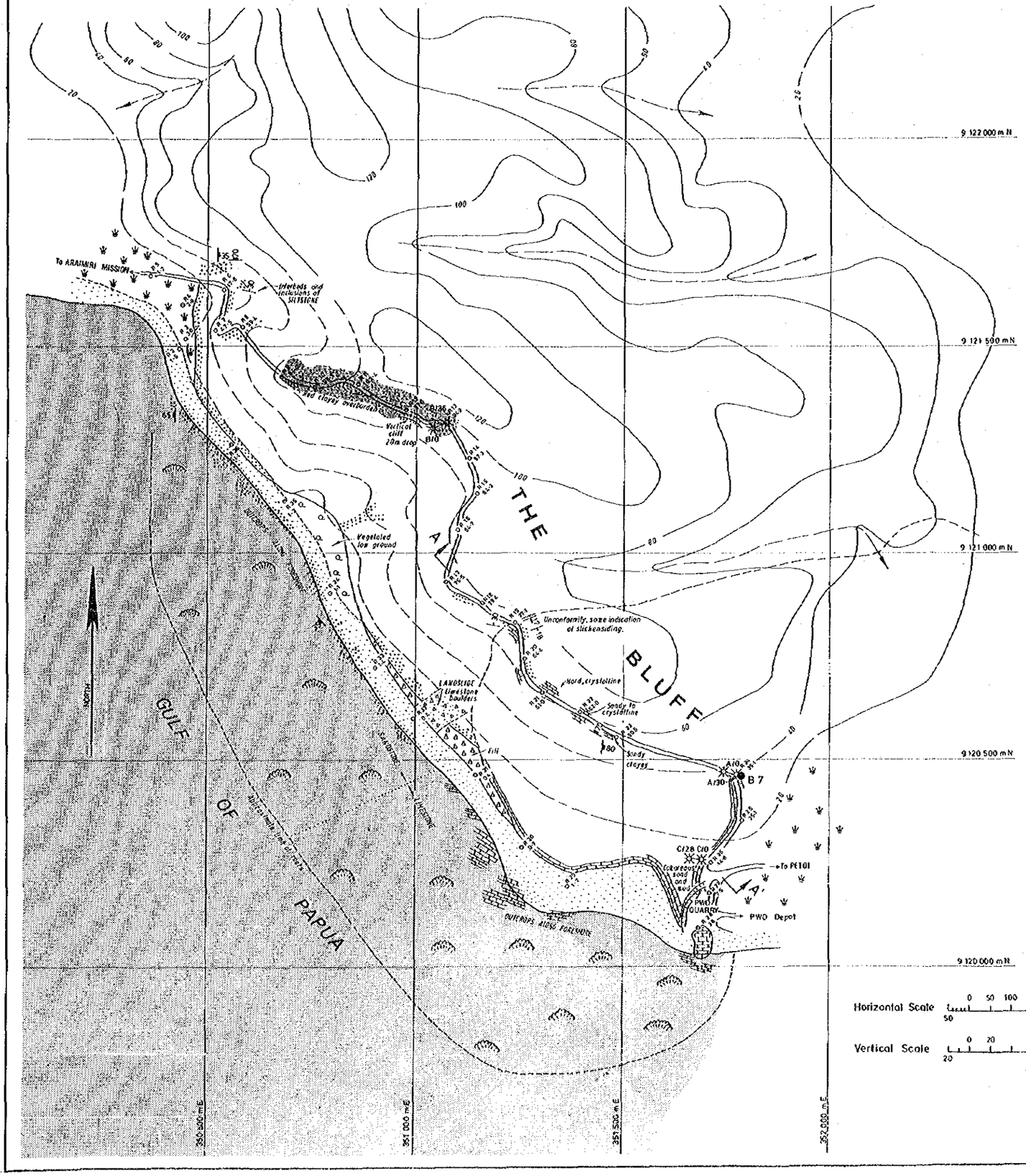
02

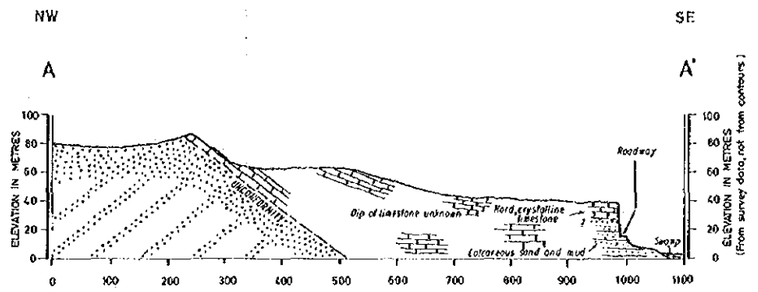
N

WABO POWER PROJECT

HALL SOUND

10





Vertical exaggeration x 2·5

LEGEND

- Fill
- Landslide
- Red, clayey overburden
- Beach sand
- Reefs
- SANDSTONE — Gritty to conglomeratic, mainly medium grained salt-and pepper structure, with 10-20% dark minerals (Greywacke)
- LIMESTONE — Quality varies from calcareous mud to hard, crystalline
- SWAMP
- VEGETATED LOW GROUND
- SURVEY PEG
- B7 — Diamond Drill Hole (Drilled with Winkie drill)
- Strike and dip of bedding
- Strike and dip of joint
- A/0 A/30 — Distances along seismic traverse A/metres
- Geophone positions

NOTES

- Form lines from 1:25 000 scale topographic plans and survey traverses

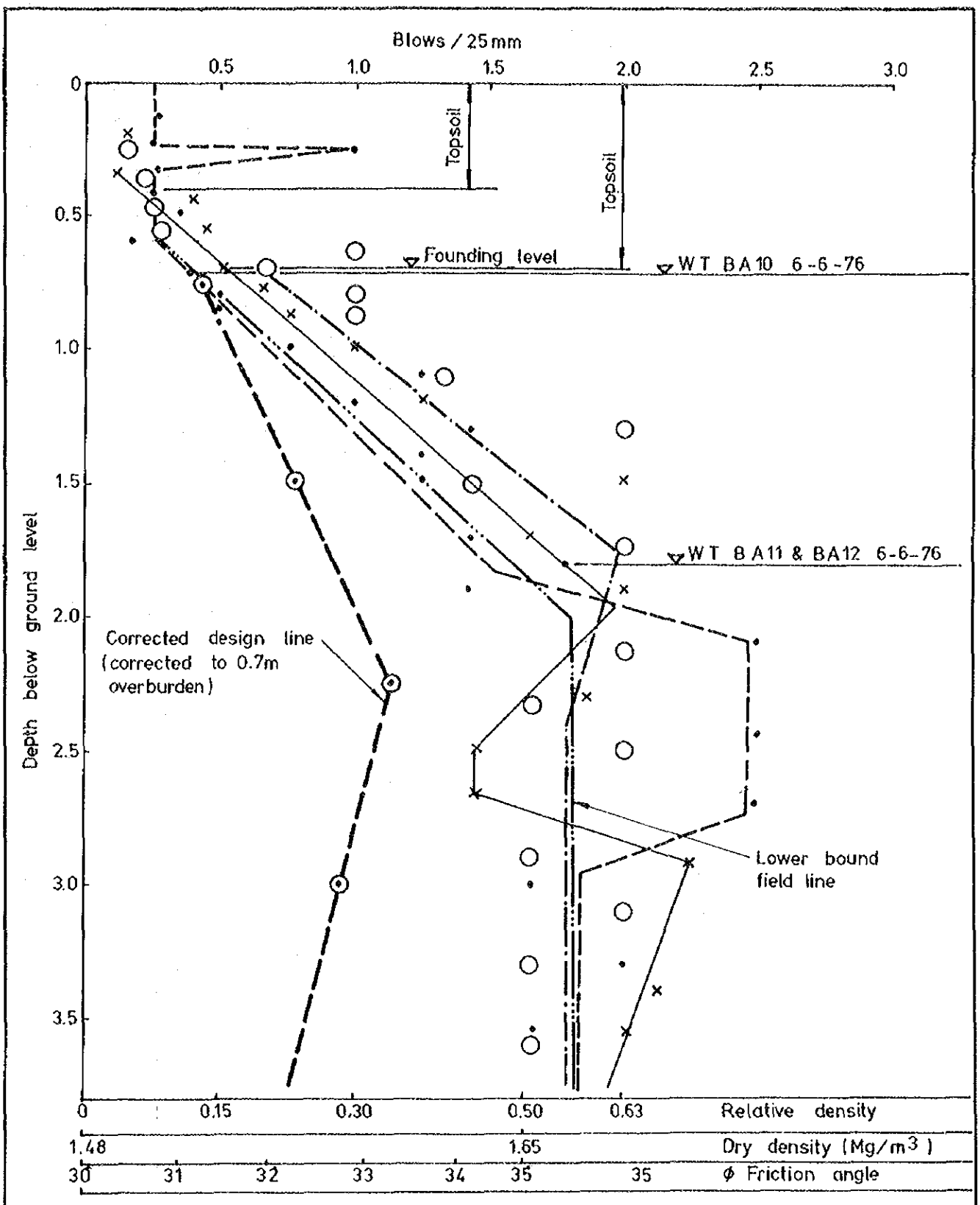
Horizontal Scale 0 50 100 200 300 400 500m

Vertical Scale 0 20 100 200m

WABO POWER PROJECT

THE BLUFF QUARRY GEOLOGICAL PLAN AND SECTION

図 11



LEGEND

BA 11

BA 10

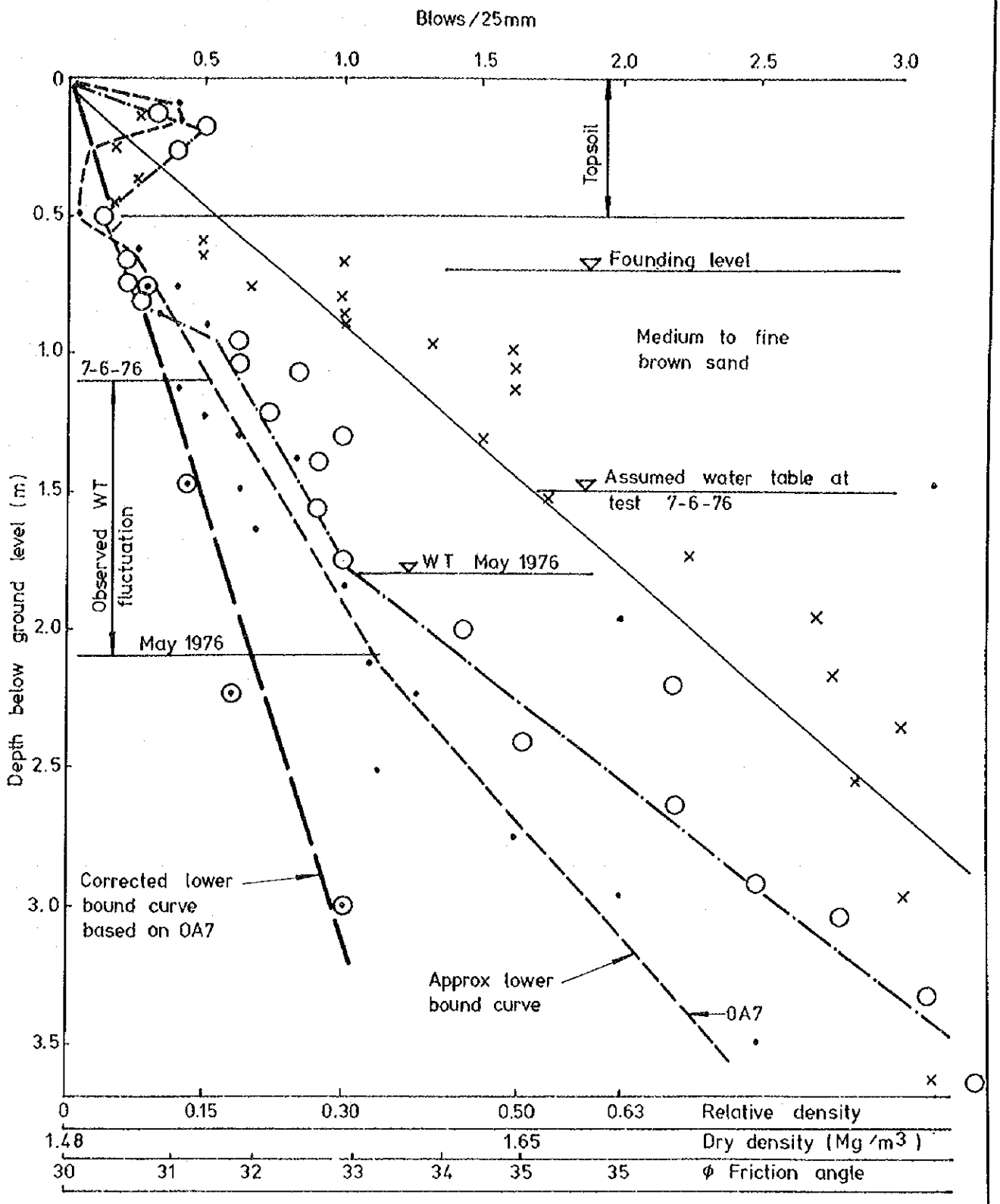
BA 12

Approx. lower bound line

WABO POWER PROJECT

MAIRA PLANTATION
DYNAMIC TEST RESULTS

図 12



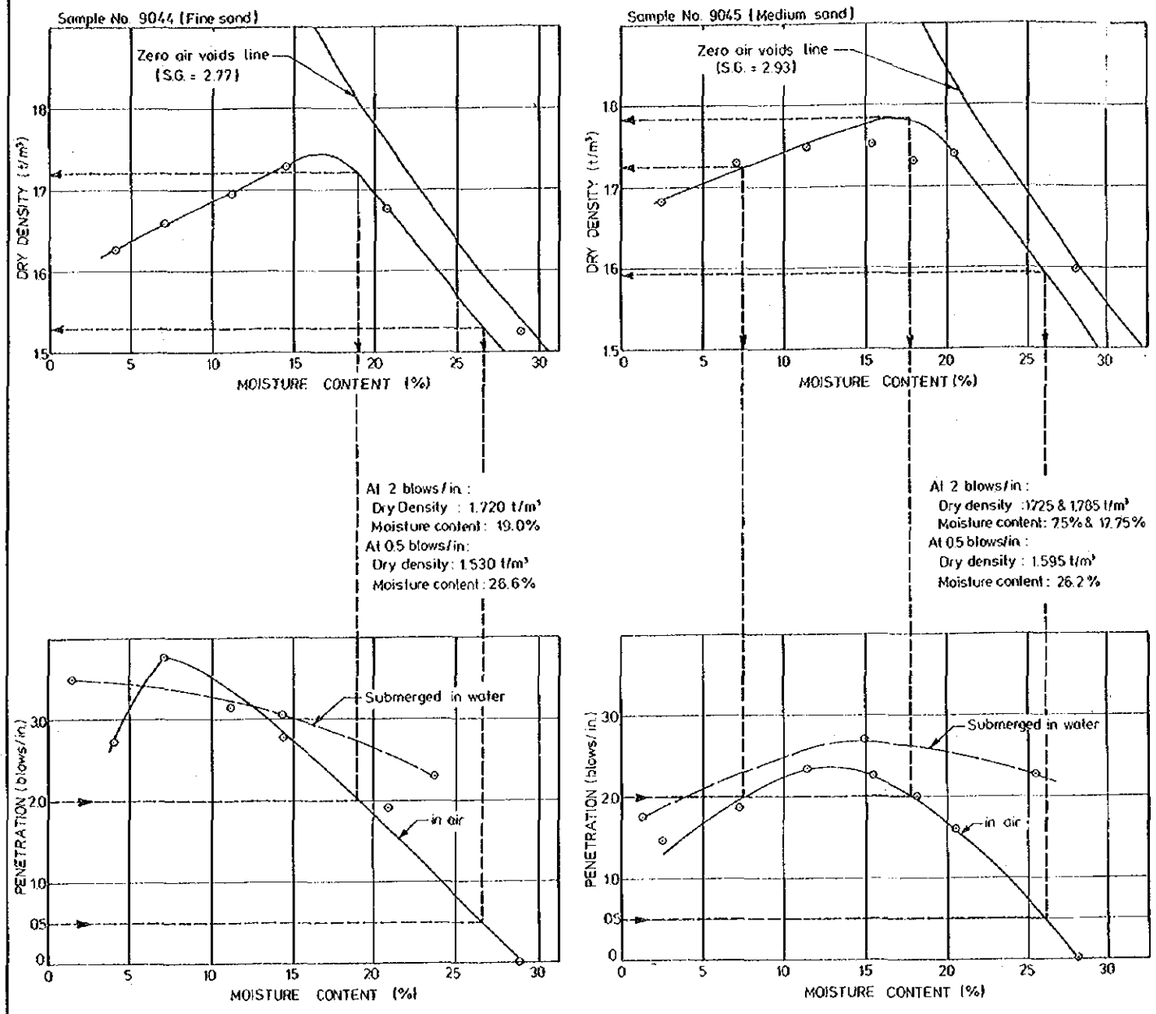
LEGEND

- OA6
- OA7
- OA8
- Corrected OA7 points

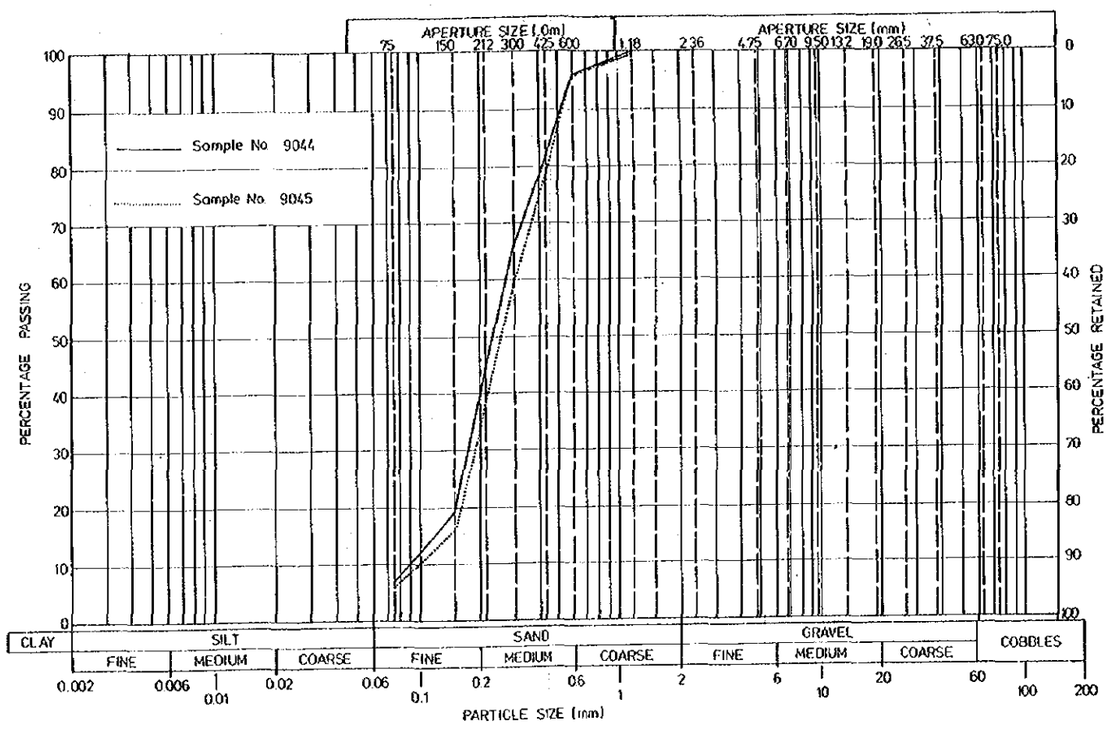
WABO POWER PROJECT

MURO PLANTATION
DYNAMIC TEST RESULTS

Fig 13



(a) CORRELATION BETWEEN DRY DENSITY, MOISTURE CONTENT AND PENETRATION



(b) PARTICLE SIZE DISTRIBUTION

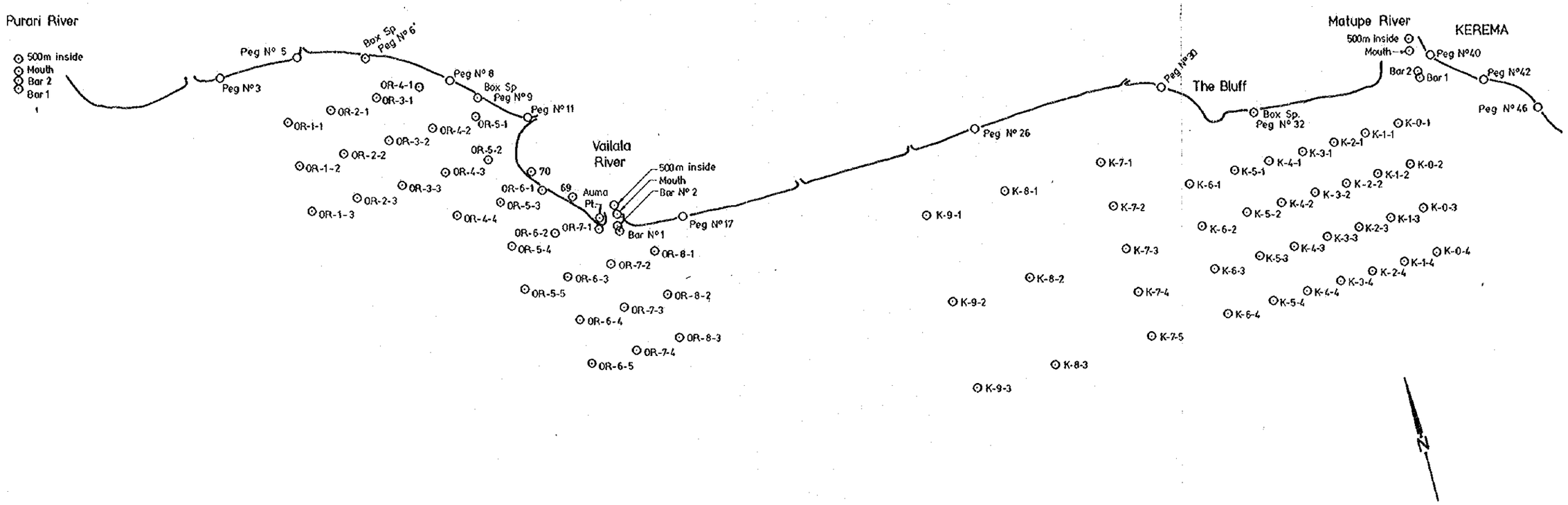
NOTE

Copy of gradings and graphs accompanying letter dated 2 July 1976 from laboratory of Department of Transport Works and Supply

WABO POWER PROJECT

CORRELATION TESTS

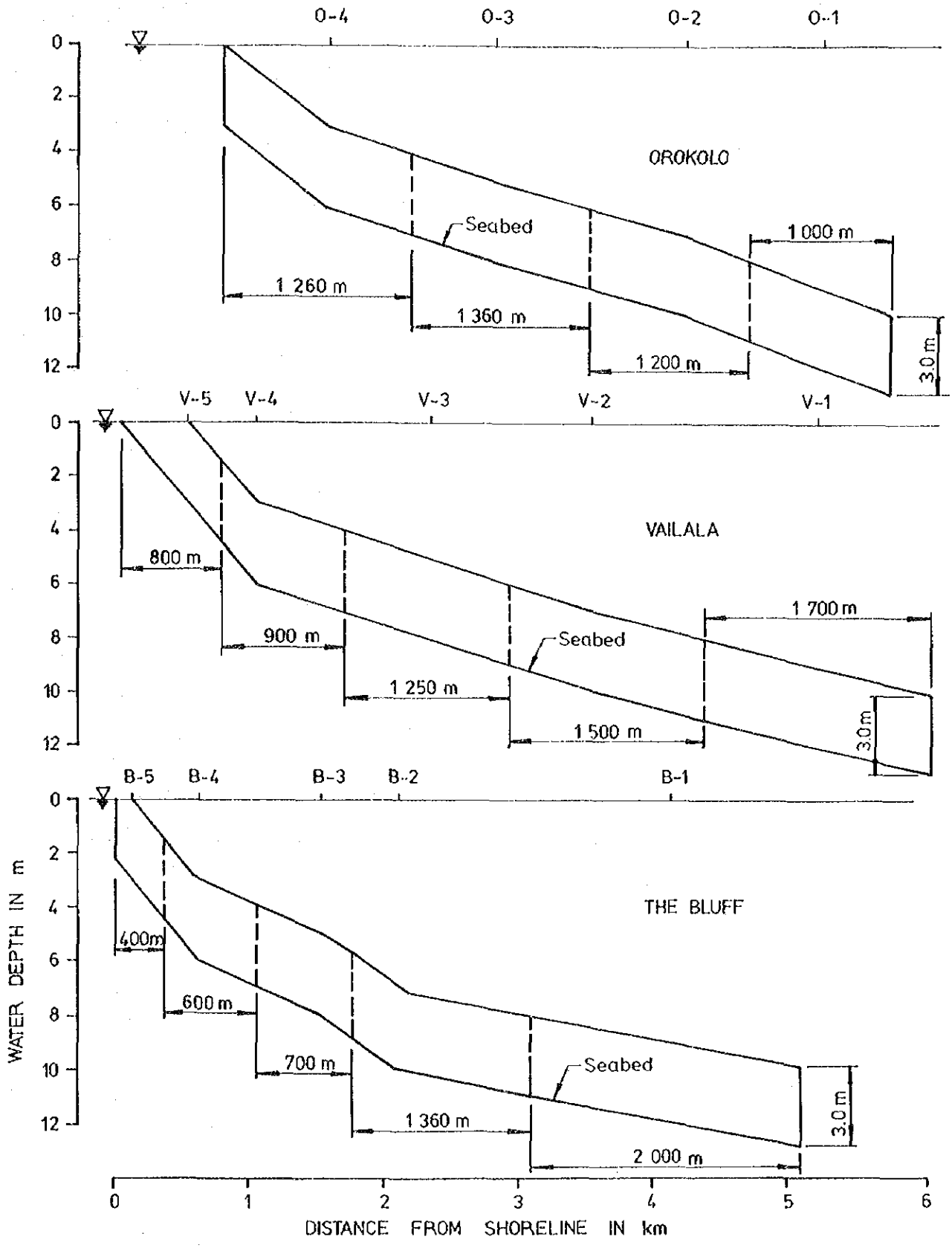
14



WABO POWER PROJECT

OFFSHORE SEDIMENT SAMPLING

Fig 15



NOTE:
Location of sampling point shown thus;
0-1, V-1, B-1 etc.

WABO POWER PROJECT

CROSS-SECTIONS AT SEDIMENT SAMPLING POINTS

16

NOTES

1. Survey completed April 1975
2. Depth in metres
3. Datum is Lowest Low Water at Port Moresby
4. Beach line approximate - not surveyed
5. For a full record of spot heights, see the original chart in the report prepared by Nippon Co. Ltd., Report on Oceanographical Surveys of the Orokolo-Kerema and Hall Sound Areas, Papua New Guinea.

350 000 E

9 110 000 N

9 120 000 N

9 130 000 N

N°44 N°44'

N°43

N°42

N°41

Mutupe River

N°39

N°36

N°34

N° 37

N°33

N°32'

N°32

N°32"

N°31

The Bluff

0 0.2 1 2km

0.2

WABO POWER PROJECT

THE BLUFF
HYDROGRAPHIC CHART

17

9 115 000 N

240 000 E

330 000 E

Nº29 Araimiri

Nº28

Nº27

Nº26 Nº26' Here Here

Nº25

Keuru River

Nº24

Nº23

Nº22 Kea Kea

Nº21

Nº20

Nº19

Nº18 Aivau

Nº17

Nº16 Vailala River

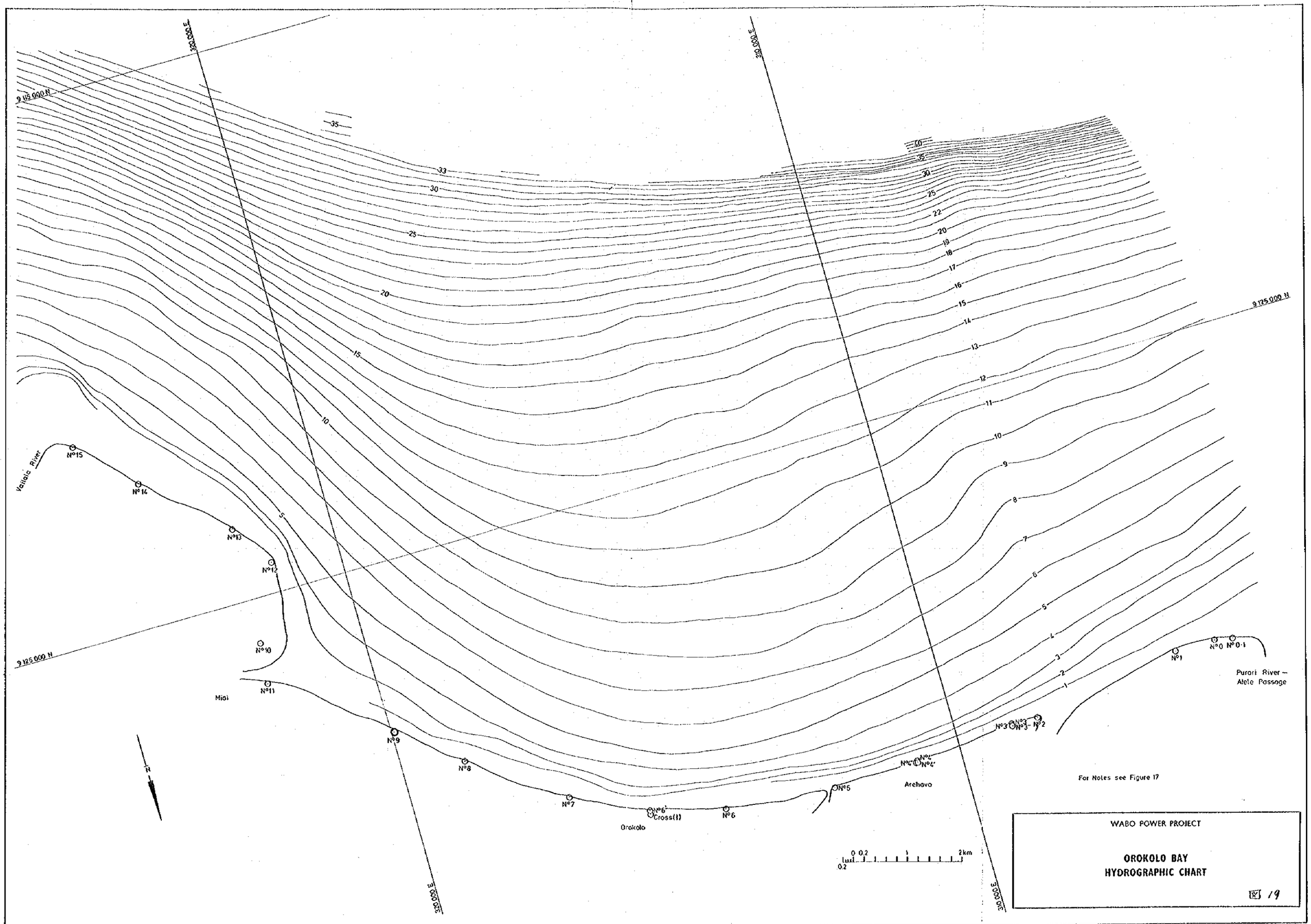
0 0.2 1 2 km

For Notes see Figure 17

WABO POWER PROJECT

VAILALA
HYDROGRAPHIC CHART

18



WABO POWER PROJECT

OROKOLO BAY
HYDROGRAPHIC CHART

☒ 19

N

9 125 000

325 000

Maira Plantation

VR-3

VR-4

VAILALA RIVER

VR-5

VR-6 - Sampling point for chloride test shown thus

VR-7

Shallow

VR-8

VR-b

VR-a

VR-9

Aivau

Vailala East

Maclatchie Point

Vailala Hiloi

Vailala

Ihu

Ihu airstrip

GULF OF PAPUA

Soundings taken at low tide on 28 October 1976

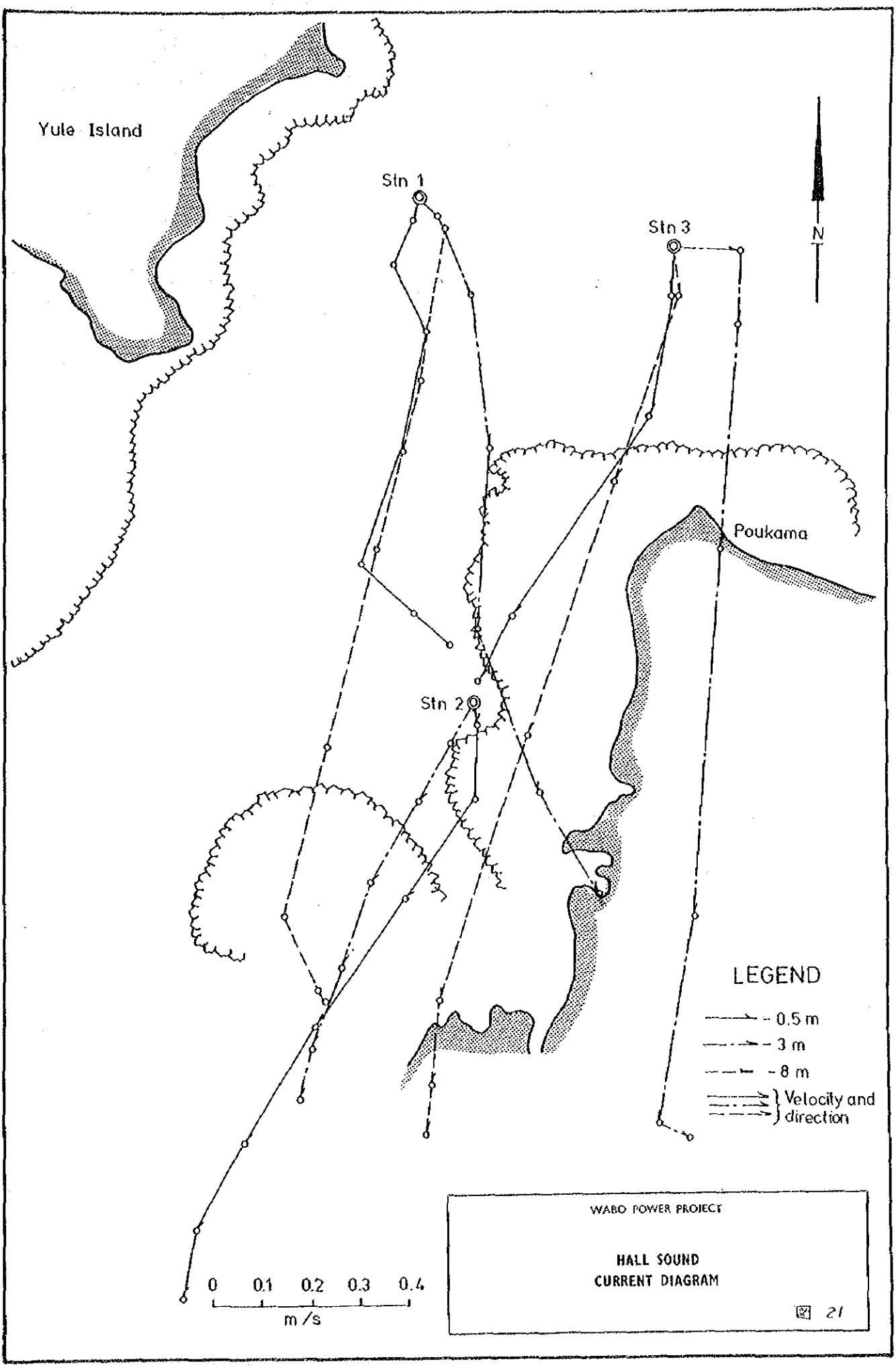
0 0.2 1 2km

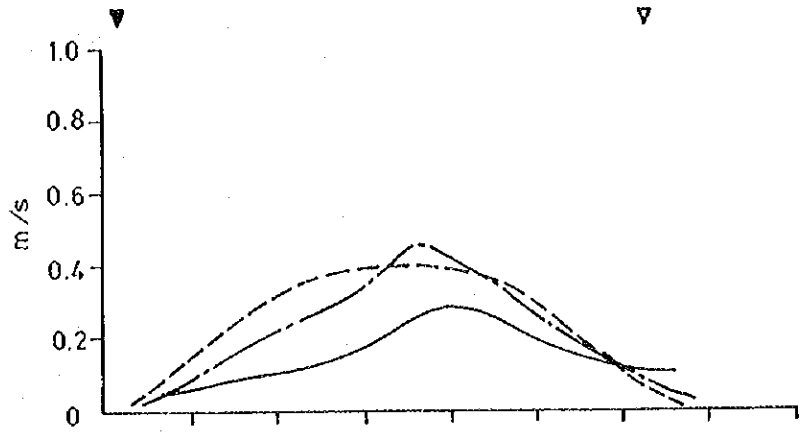
0.2

WABO POWER PROJECT

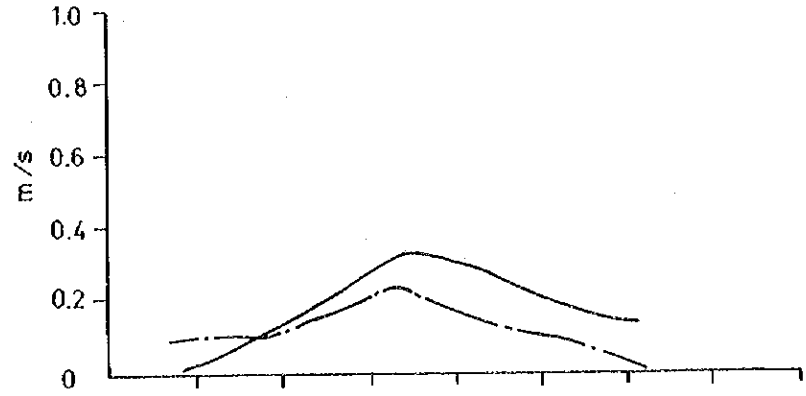
VAILALA RIVER SOUNDINGS

図 20

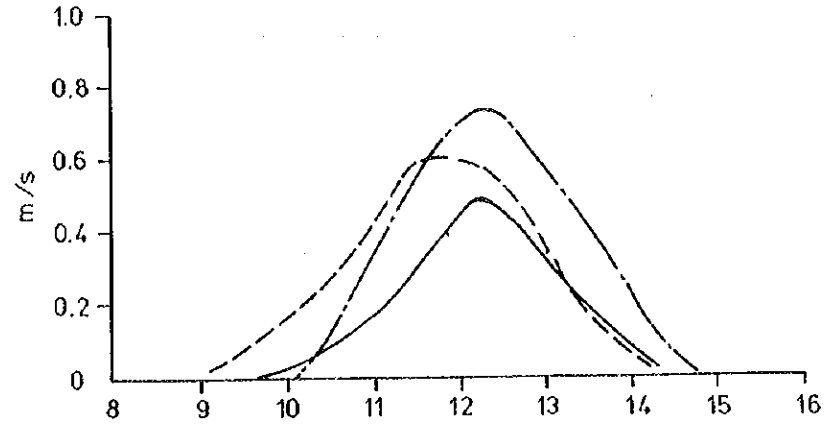

Yule Island
Stn 1
Stn 3
Stn 2
N
Poukama
LEGEND
- 0.5 m
- 3 m
- 8 m
Velocity and direction
0 0.1 0.2 0.3 0.4
m/s
WABO POWER PROJECT
HALL SOUND
CURRENT DIAGRAM
図 21



STATION 1



STATION 2



TIME ON 22ND OCTOBER 1976

STATION 3

LEGEND

——— - 0.5 m

—·—·— - 3 m

– – – – - 8 m

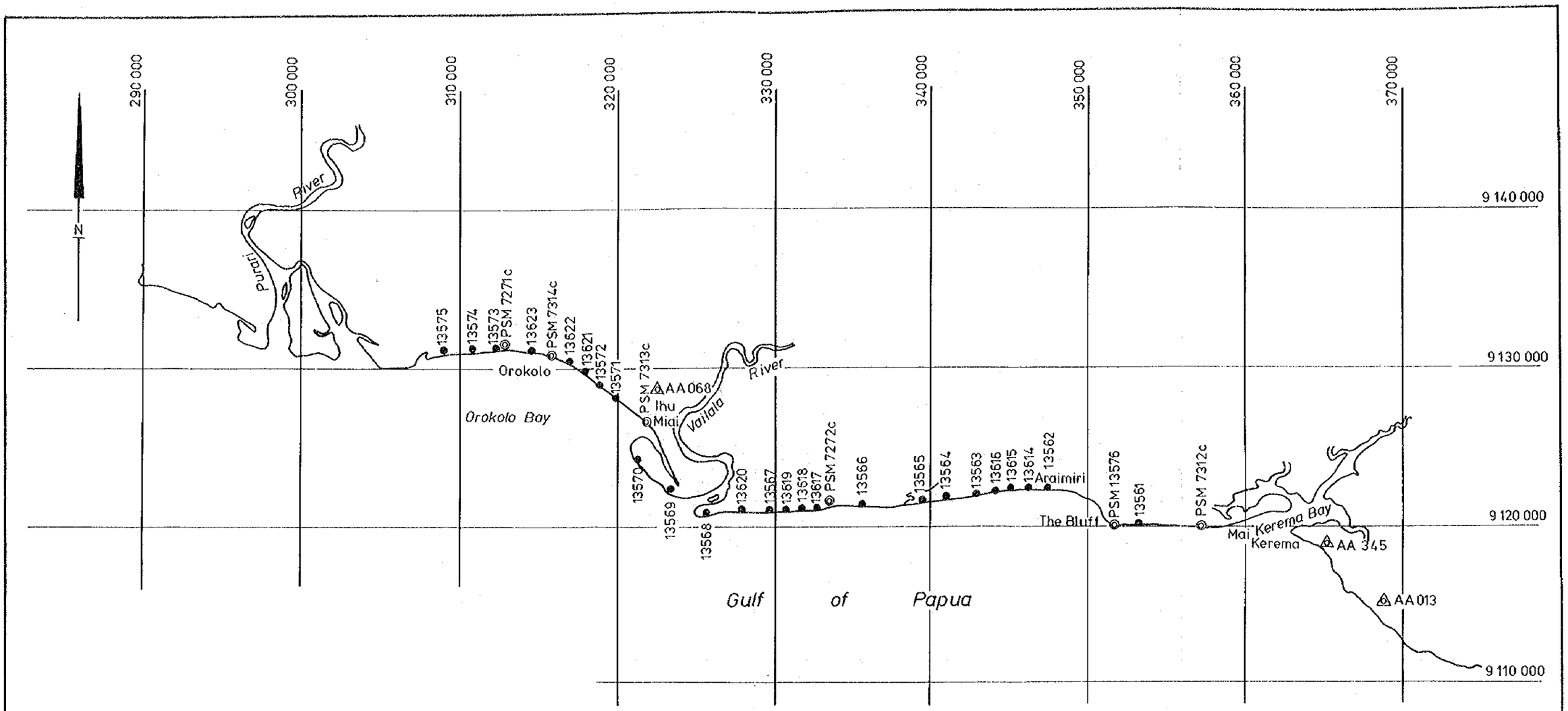
▼ Time of HW at Port Moresby

▽ Time of LW at Port Moresby

WABO POWER PROJECT

HALL SOUND
CURRENT VELOCITY

Fig 22

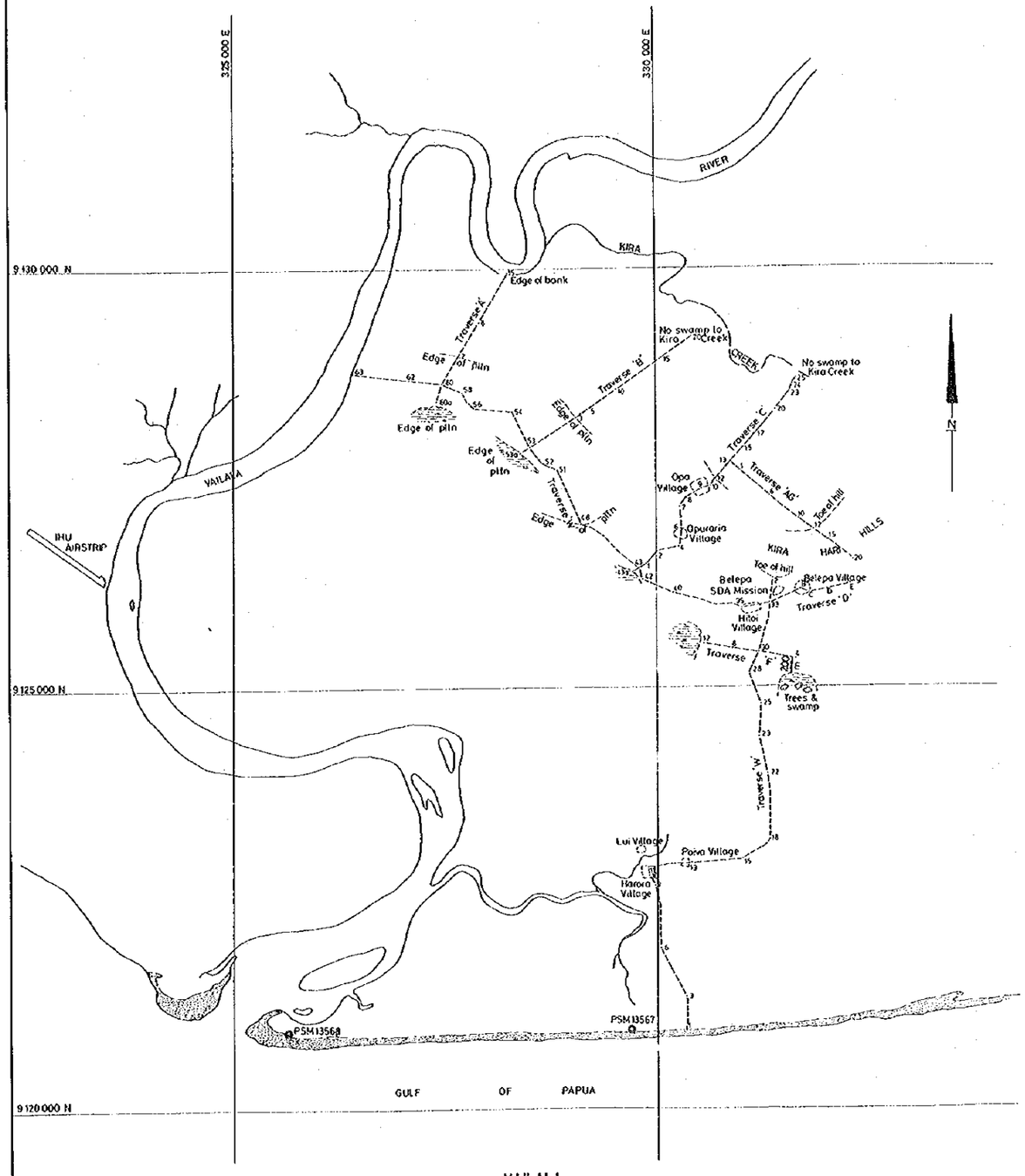


Note: See Table 11 for coordinates and elevations of these marks.

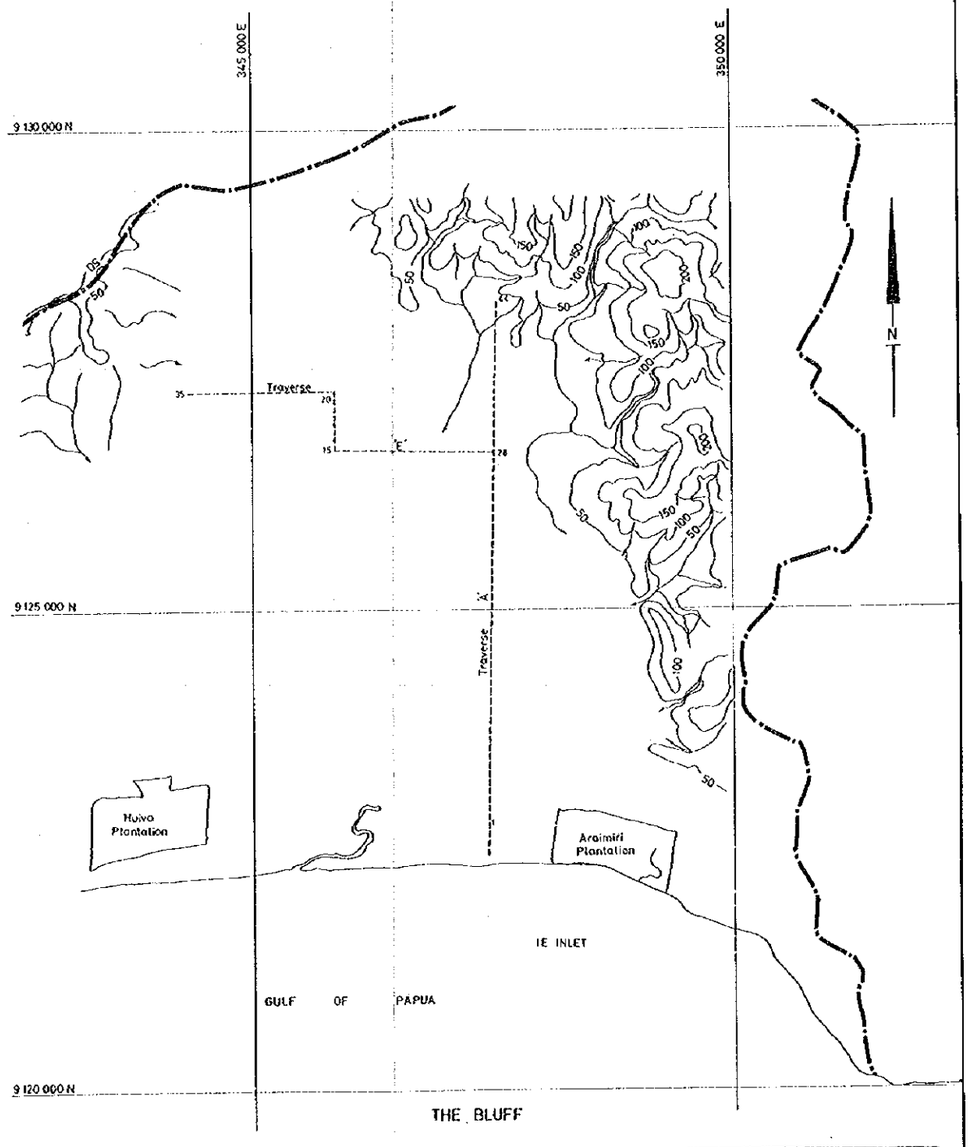
WABO POWER PROJECT

GULF SITES
PERMANENT MARKS

図 23



VAILALA



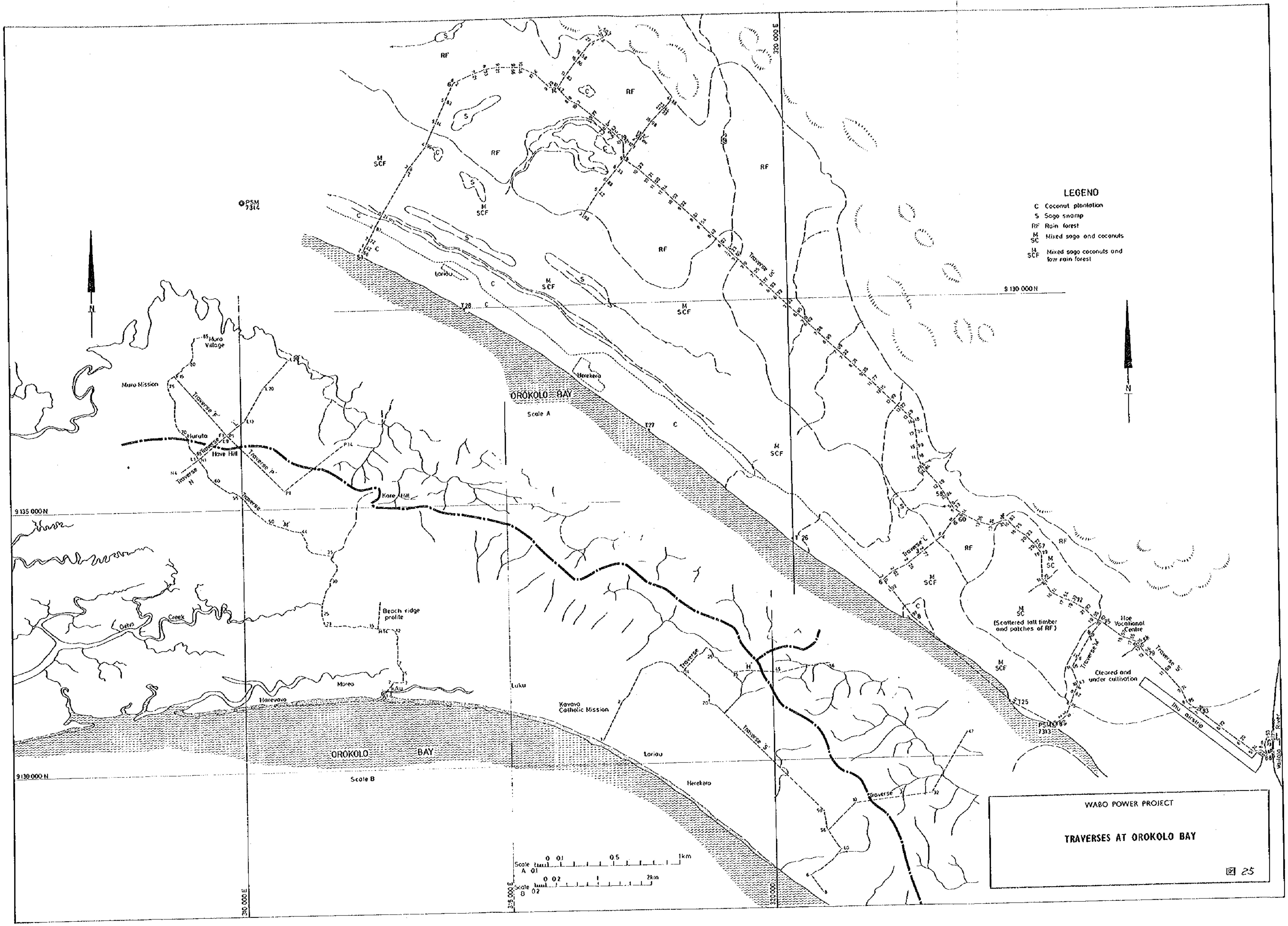
THE BLUFF

0 0.2 1 2km

WABO POWER PROJECT

TRAVERSES AT VAILALA AND THE BLUFF

24


WABO POWER PROJECT
TRAVERSES AT OROKOLO BAY
25
LEGEND
C Coconut plantation
S Sago swamp
RF Rain forest
M SC Mixed sago and coconuts
M SCF Mixed sago coconuts and low rain forest
OROKOLO BAY
Scale A
OROKOLO BAY
Scale B
Muro Village
Muro Mission
Huruta
Have Hill
Kore Hill
Traverse 'F'
Traverse 'P'
Traverse N
Traverse 'M'
Traverse 'H'
Traverse 'S'
Traverse 'J'
Traverse 'L'
Traverse 'K'
Traverse 'S'
Beach ridge profile
Oeto Creek
Harevavo
Morea
Au
Luku
Kavavo Catholic Mission
Loriau
Herekera
Ihoe Vocational Centre
Cleared and under cultivation
Ihu airstrip
Vailala River
(Scattered tall timber and patches of RF)
PSM 7314
PSM 7313
9 130 000 N
9 135 000 N
9 130 000 N
310 000 E
315 000 E
320 000 E
320 000 E
N
N
Scale A 0 0.1 0.5 1km
Scale B 0 0.2 1 2km

HALL SOUND

455 000 E

460 000 E

N

BM1
Poukama

Delena

To Vanuamai

9 020 000 N

AA 329

NOTE
BM1 Steel spike placed in mango tree on eastern side of track leading to beach RL 9.7

0 0.2 1 2km
0.2

WABO POWER PROJECT

TRAVERSES AT HALL SOUND

図 26

335 000E

340 000E

345 000E

350 000E

9125 000N

9120 000N

9115 000N

VAILALA RIVER

Plantation & garden

Plantation & garden

IE INLET

GULF OF PAPUA

N

0 0.2 2km

0.2

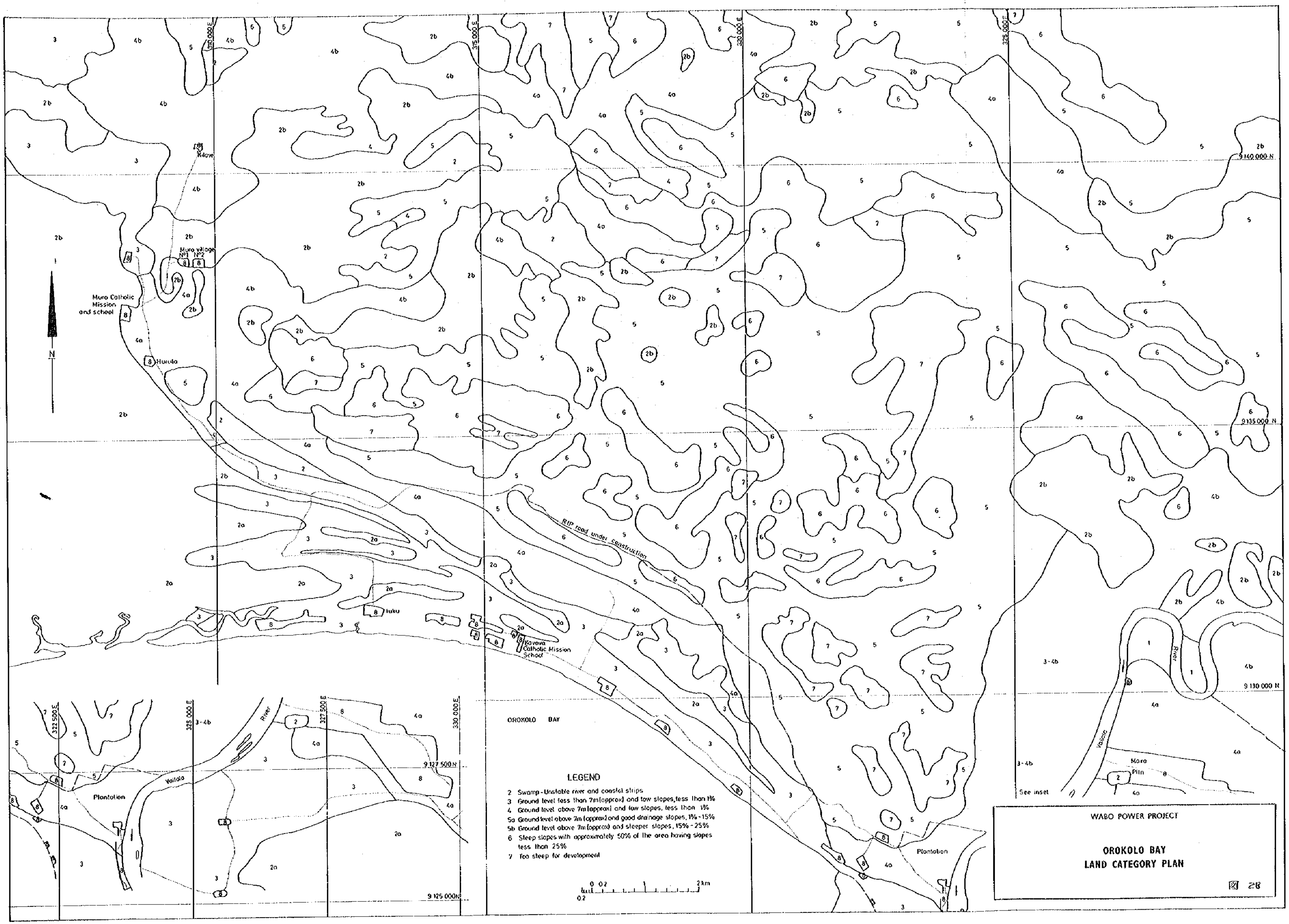
LEGEND

2 Swamp - Unstable river and coastal strips
3 Ground level less than 7m.(approx.) and low slopes less than 1%
4 Ground level above 7m.(approx.) and low slopes less than 1%
5a Ground level above 7m.(approx.) and good drainage slopes, 1% - 15%
5b Ground level above 7m.(approx.) and steeper slopes, 15% - 25%
6 Steep slopes with approximately 50% of the area having slopes less than 25%
7 Too steep for development

WABO POWER PROJECT

THE BLUFF
LAND CATEGORY PLAN

27



WABO POWER PROJECT
OROKOLO BAY
LAND CATEGORY PLAN
図 28
LEGEND
2 Swamp - Unstable river and coastal strips
3 Ground level less than 7m (approx) and low slopes, less than 1%
4 Ground level above 7m (approx) and low slopes, less than 1%
5a Ground level above 7m (approx) and good drainage slopes, 1% - 15%
5b Ground level above 7m (approx) and steeper slopes, 15% - 25%
6 Steep slopes with approximately 50% of the area having slopes less than 25%
7 Too steep for development
0 0.2 1 2 km
OROKOLO BAY
Muro village No1 No2
Muro Catholic Mission and school
Hurula
Kiave
Iuku
Kavava Catholic Mission School
RIP road under construction
Vailala
River
Plantation
Mara Pita
See inset
310 000 E
315 000 E
320 000 E
325 000 E
9 140 000 N
9 135 000 N
9 130 000 N
322 500 E
325 000 E
327 500 E
330 000 E
9 127 500 N
9 125 000 N

HALL
SOUND

465 000 E

460 000 E

455 000 E

9 025 000 N

9 020 000 N

9 015 000 N

9 010 000 N

0 0.2 1 2km
0.2

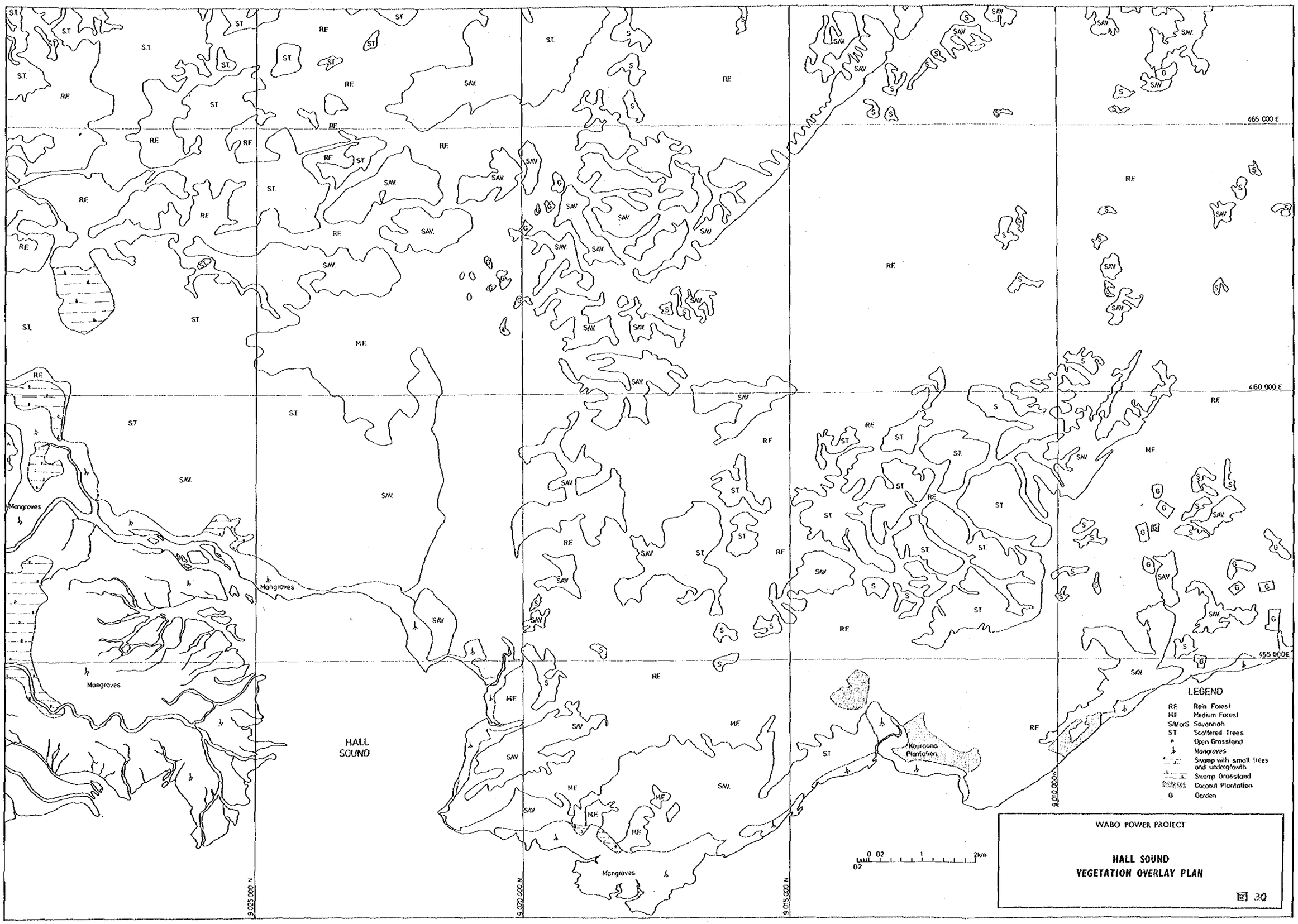
LEGEND

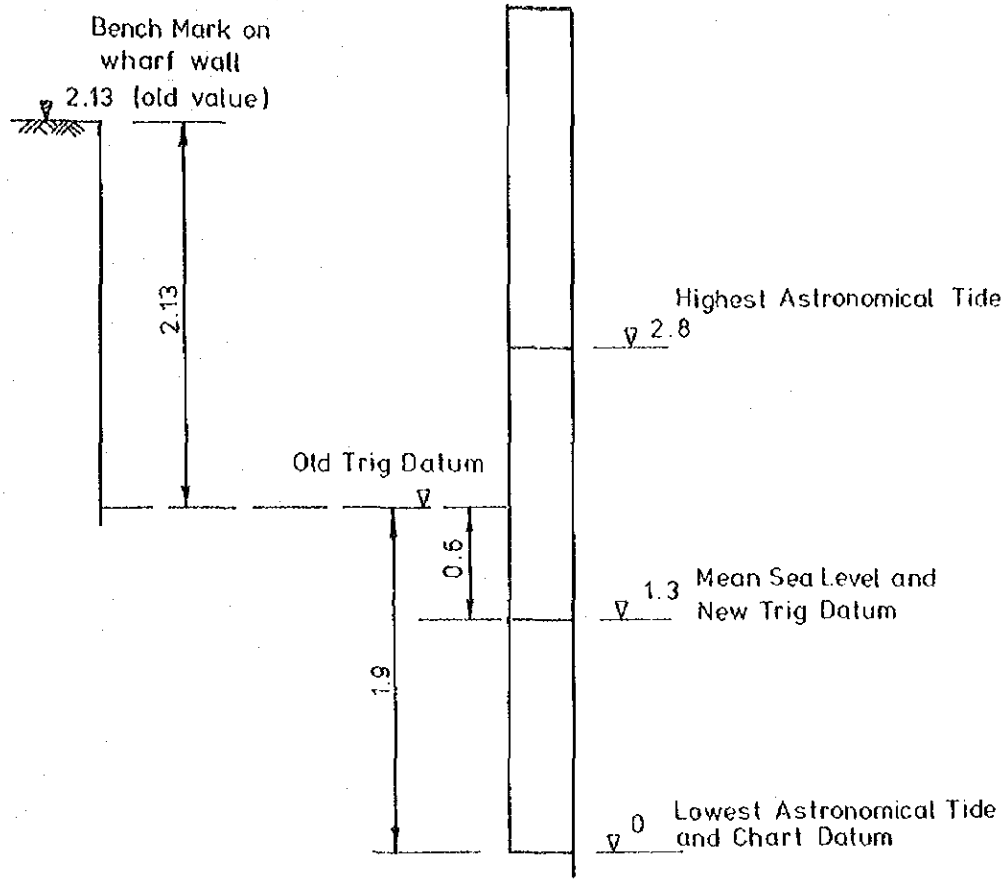
2 Swamp - Unstable river and coastal strips
3 Ground level less than 2m (approx) and low slopes, less than 1%
4 Ground level above 2m (approx) and low slopes, less than 1%
5a Ground level above 2m (approx) and good drainage slopes, 1% - 15%
5b Ground level above 2m (approx) and steeper slopes, 15% - 25%
6 Steep slopes with approximately 50% of the area having slopes less than 25%
7 Too steep for development

WABO POWER PROJECT

HALL SOUND
LAND CATEGORY PLAN

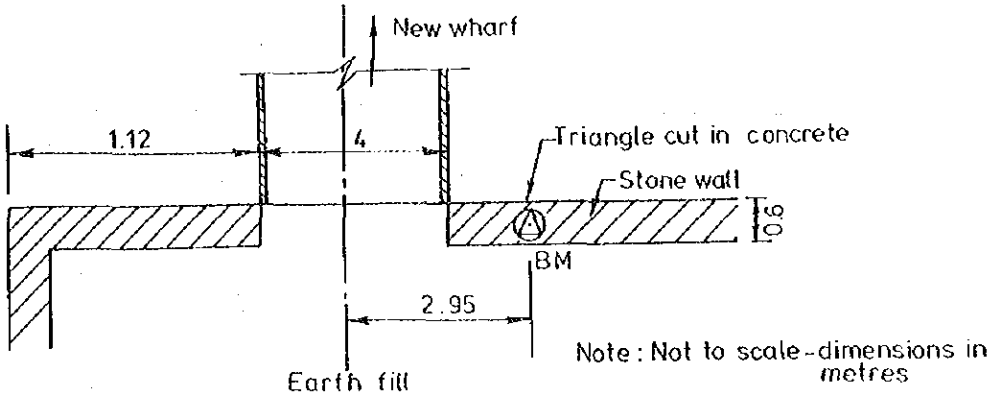
図 29


465 000 E
460 000 E
455 000E
9 025 000 N
9 020 000 N
9 015 000 N
9 010 000 N
HALL SOUND
Mangroves
Kouroona Plantation
0 02 2km
LEGEND
RF Rain Forest
MF Medium Forest
S/forS Savannah
ST Scattered Trees
Open Grassland
Mangroves
Swamp with small trees and undergrowth
Swamp Grassland
Coconut Plantation
G Garden
WABO POWER PROJECT
HALL SOUND
VEGETATION OVERLAY PLAN
30



RELATIONSHIP OF MSL TO TRIG DATUM

Elevations in metres



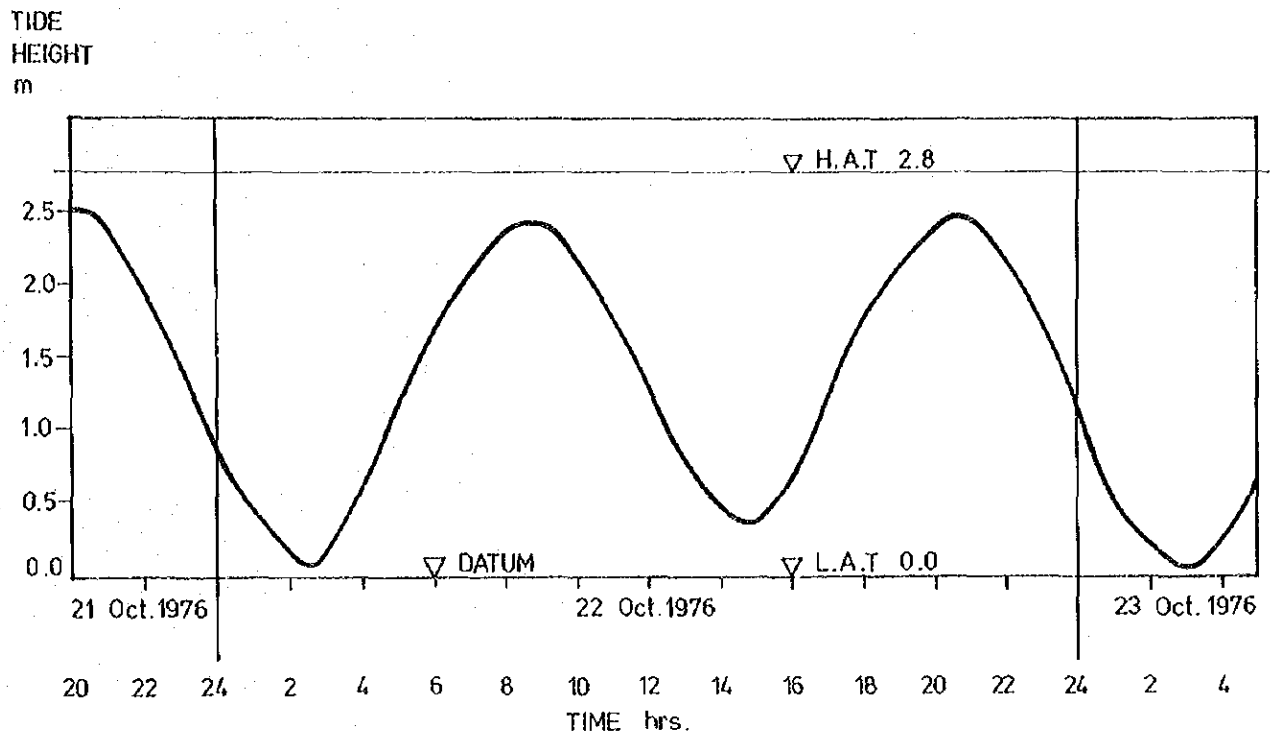
LOCATION OF BENCH MARK AT KEREMA JETTY

Levelled from trig station AA 345 (RL 46.7 old value), near the high school

WABO POWER PROJECT

MEAN SEA LEVEL AT KEREMA

☒ 34



A sample tide curve, at a time of spring tides, abstracted from the records of the Foxboro tide gauge installed at Kerema jetty.

WABO POWER PROJECT

SAMPLE TIDE CURVE

図 3.2

9 125 000

9 035 000

Huiva Plantation

Araimiri Plantation

0 1 2 3 4 5 km

The Bluff

9 030 000

9 120 000

340 000

345 000

350 000

THE BLUFF

N

9 025 000

YULE ISLAND

HALL SOUND

9 135 000

9 020 000

Kavava Mission

9 130 000

9 015 000

OROKOLO BAY

0 1 5 10 km

Ihu Airstrip

0 1 2 3 4 5 km

9 010 000

9 125 000

9 00 000

310 000

315 000

320 000

OROKOLO

445 000

450 000

HALL SOUND

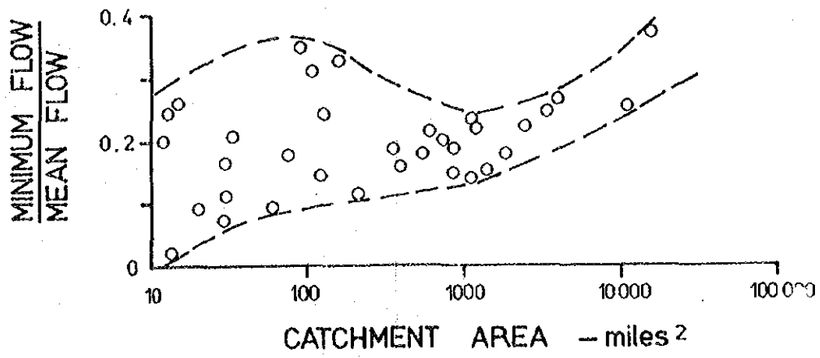
455 000

460 000

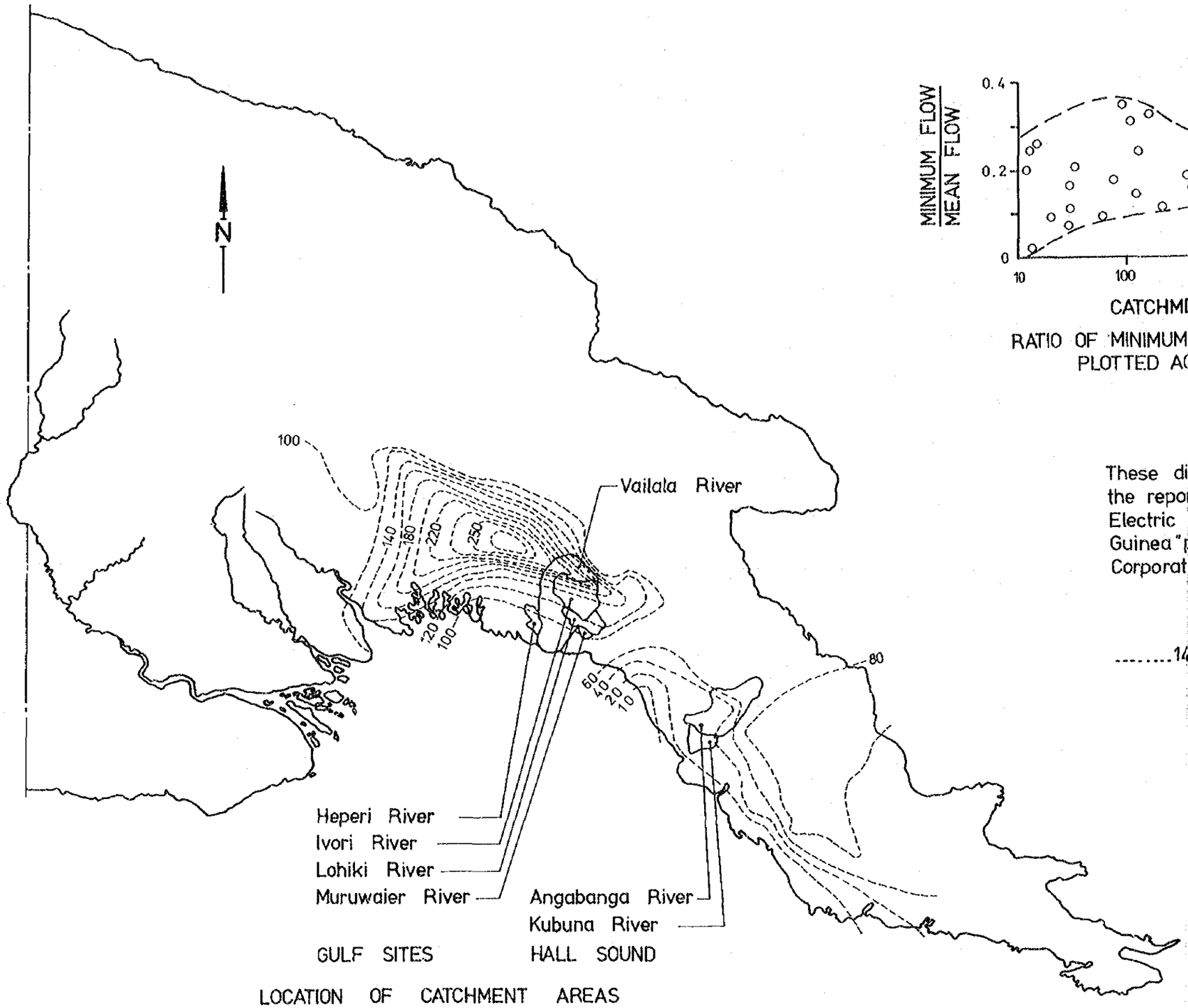
WABO POWER PROJECT

AERIAL PHOTOGRAPHY COVERAGE DIAGRAM

M 30



RATIO OF MINIMUM OBSERVED FLOW TO MEAN FLOW PLOTTED AGAINST CATCHMENT AREA



LOCATION OF CATCHMENT AREAS

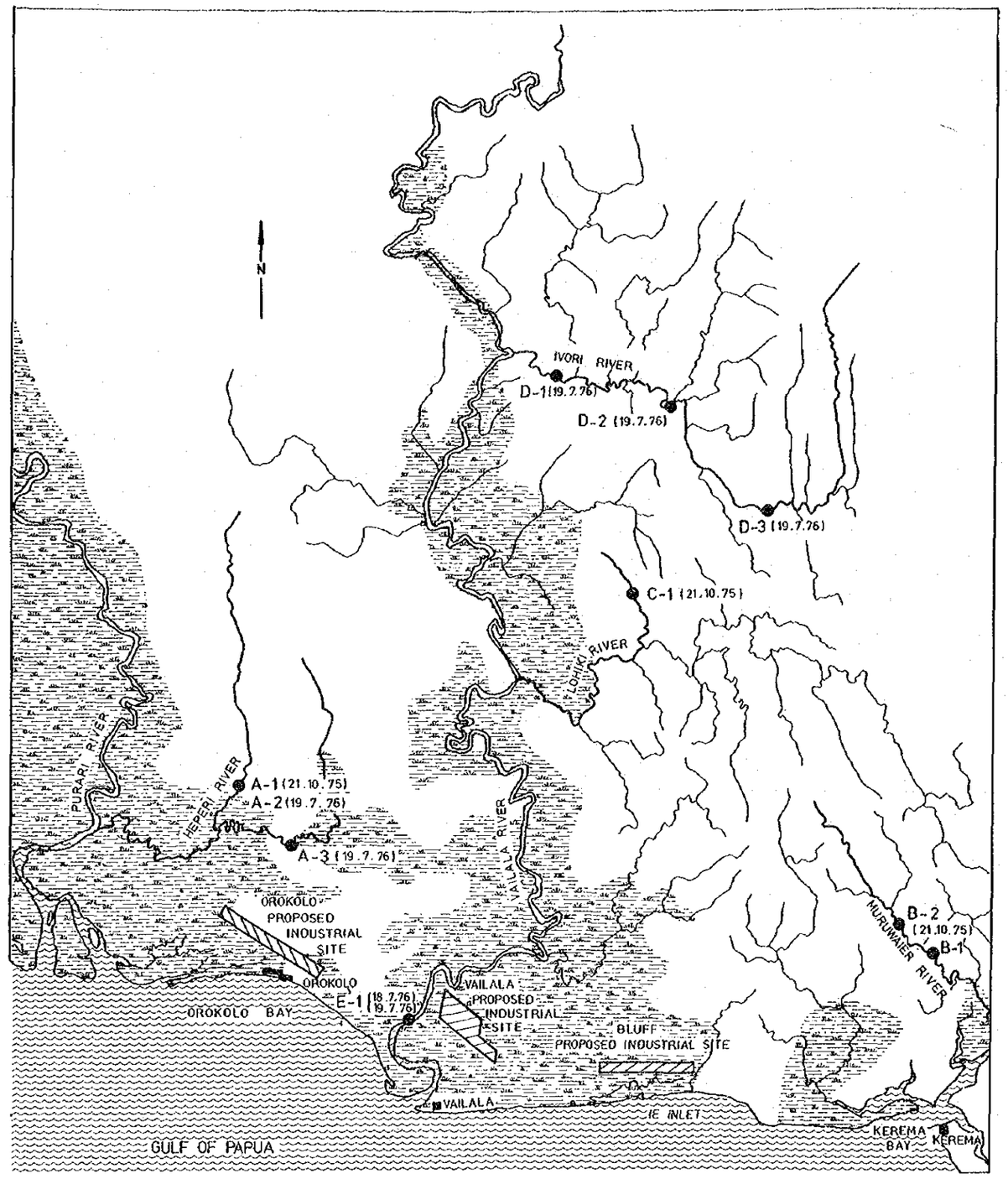
These diagrams have been reproduced from the report "Assessment of Runoff and Hydro-Electric Potential, Territory of Papua and New Guinea" prepared by Snowy Mountains Engineering Corporation, August, 1970.

.....140.... Isopleths of annual runoff (inches)

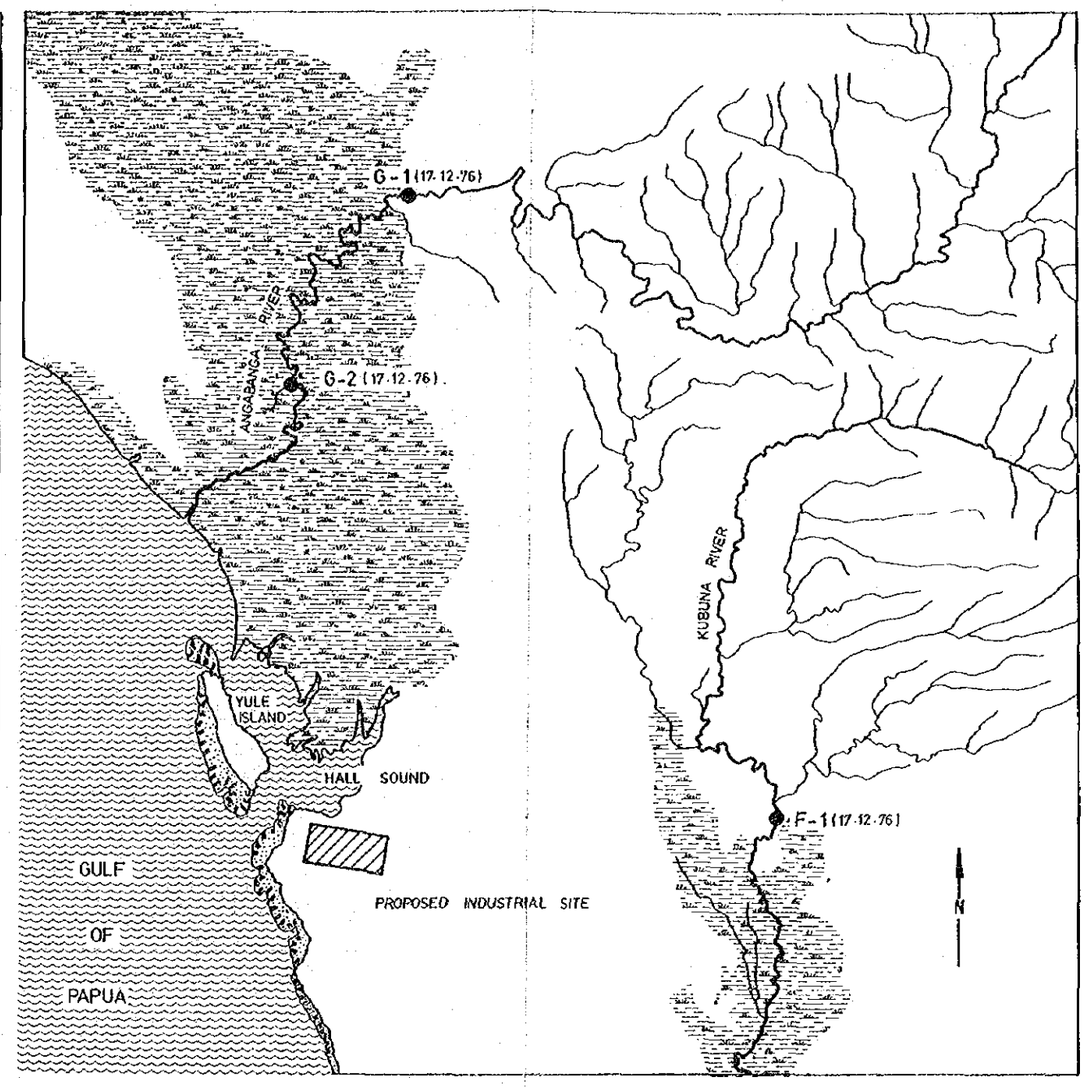
WABO POWER PROJECT

ISOPLETHS OF ANNUAL RUNOFF

図 34



(a) FOR PORT SITES IN THE GULF PROVINCE



(b) FOR PORT SITE AT HALL SOUND

Swamp

NOTE

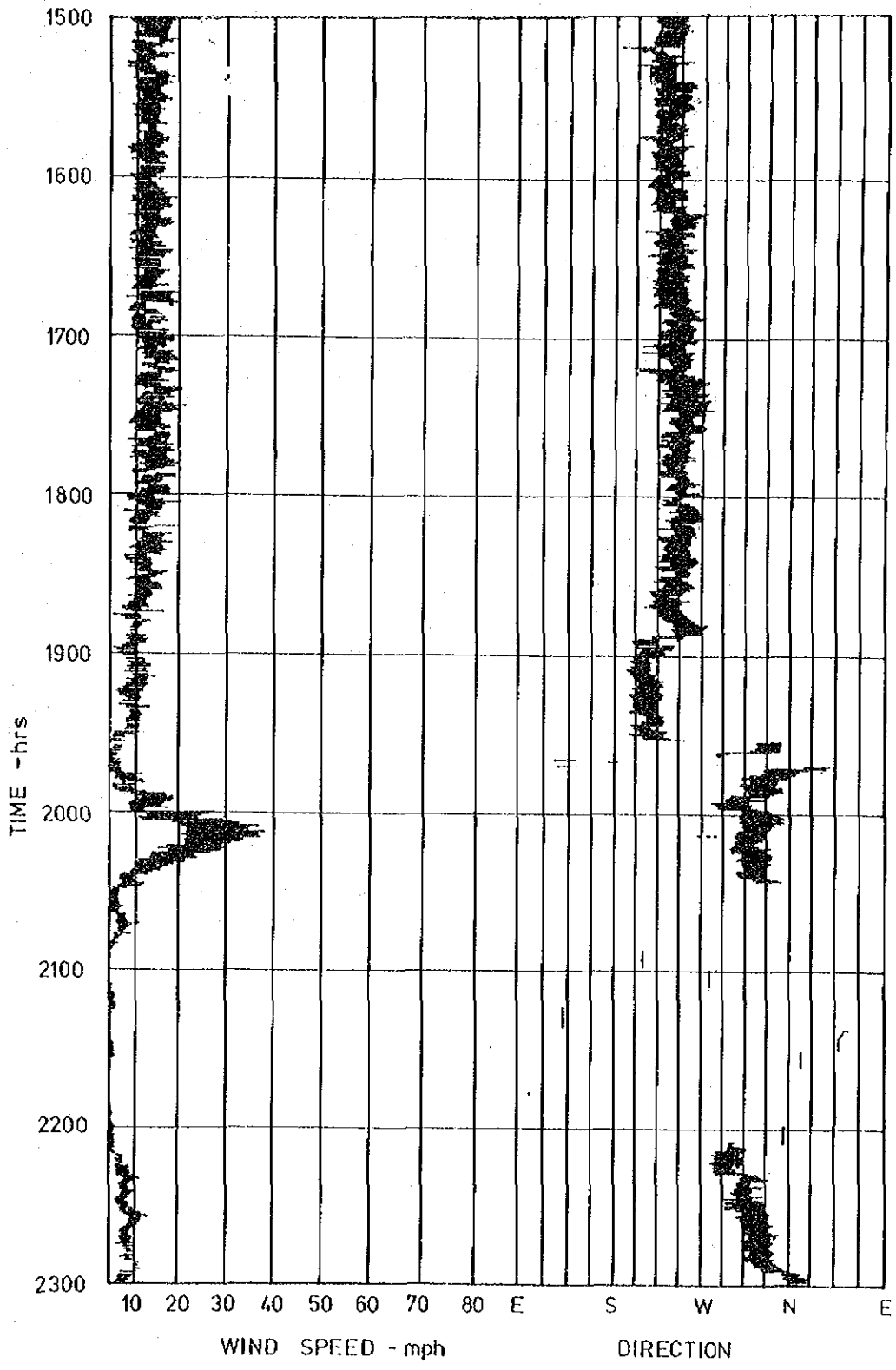
Figures shown in brackets indicate date of sampling

0 2 10 20km

WABO POWER PROJECT

LOCATION OF SAMPLING POINTS FOR WATER QUALITY TESTING

Fig 35

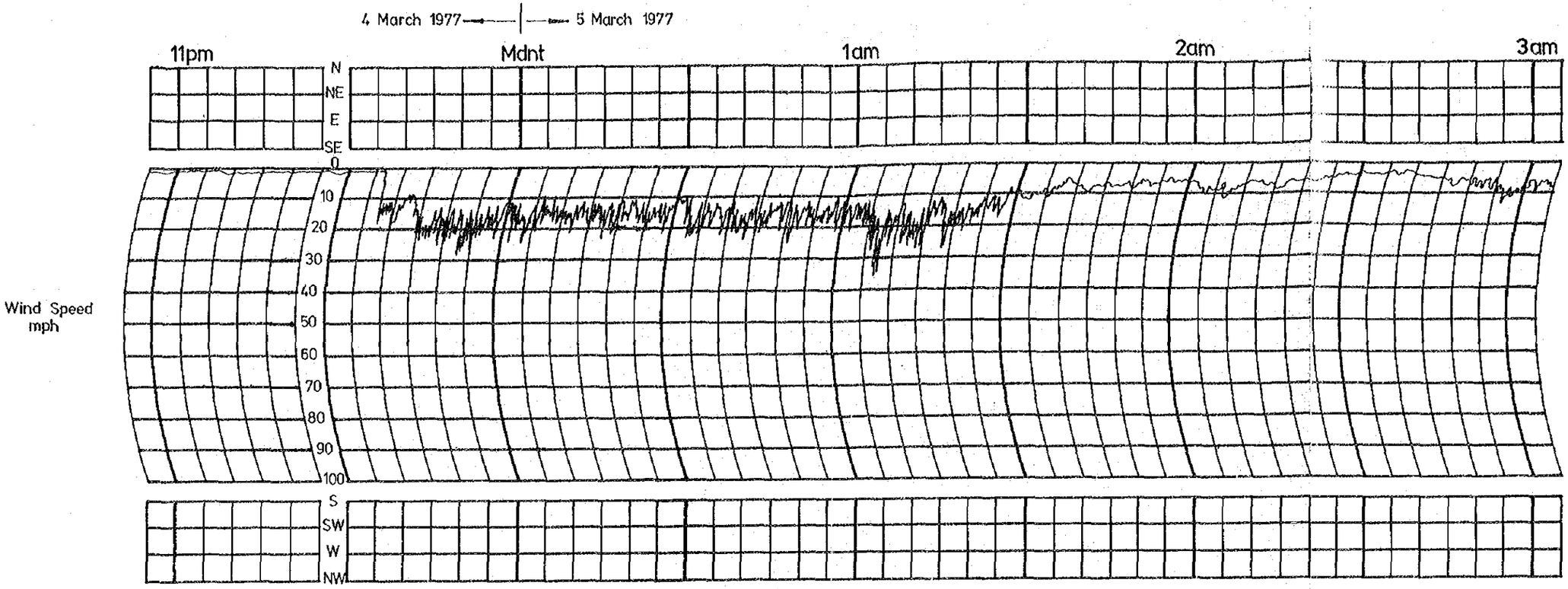


This part record from the anemometer at Kerema shows the passing of a 'Guba', following the sea breeze, on the evening of 29 th November 1975

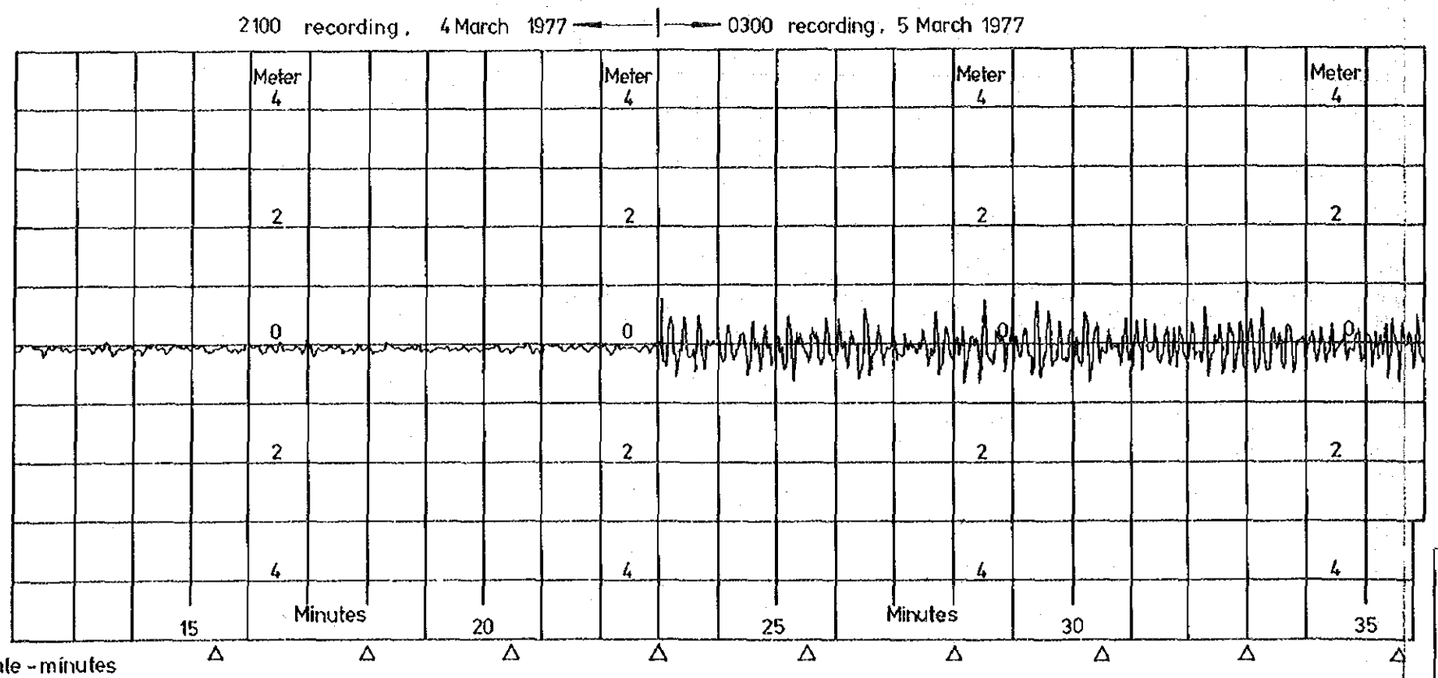
WABO POWER PROJECT

SAMPLE WIND RECORD

図 36



PART WIND RECORD FROM KEREMA



PART WAVE RECORD FROM WAVERIDER BUOY OFF THE BLUFF

The receiver onshore is set to record four 20-minute periods a day

The record has been reproduced exactly but it should be noted that the paper travel stops between recordings and thus the time scale as printed on the paper is not continuous between records. To make the wave record more readable, the paper travel speed was slowed down 2.5 x by fitting an alternate gear train. One actual minute is thus 2.5 minutes on the printed chart or the time between two lines is actually 0.4 minutes.

WABO POWER PROJECT

SAMPLE WAVE RECORD

Fig 37