

**NIAGARA MOHAWK POWER CORPORATION  
POWER AUTHORITY OF THE STATE OF NEW YORK**

**1973**

**NINE MILE POINT AQUATIC ECOLOGY STUDIES  
QL&M PROJECT NOS. 191-14, 15, 17**

**VOLUME III—PART 4  
APPENDIX VII  
WATER QUALITY**

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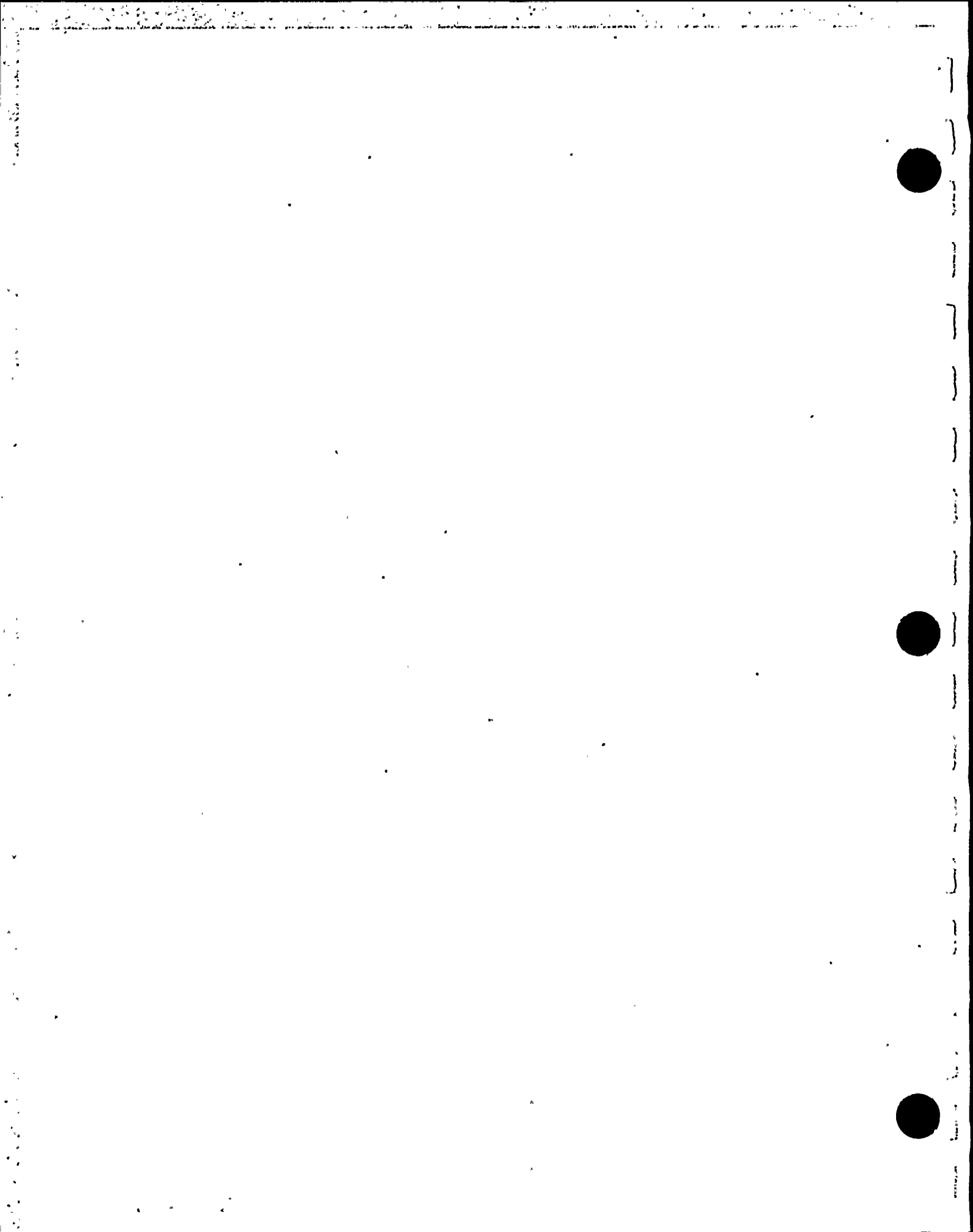
APPENDIX VII





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APPENDIX VII-A

NINE MILE POINT GENERATING STATION

WATER QUALITY INVESTIGATIONS

DATA LISTINGS

March 1973 to December 1973



# 1973 DATA

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	PH	T	ALK	F00	T800	TCOD	TS
11799	19116	OSS-1	73/04/27	8:15	1.0			20.0	GRAB MO	8.0	43.50	85.0		2	7	270
15299	19116	OSS-1	73/06/01	9:10	1.0			20.0	GRAB MO	8.0	49.60	93.0	12.1	1	6	240
21299	19116	OSS-1	73/07/31		1.0			20.0	GRAB MO	8.7	71.10	83.0	9.3	1	7	200
24099	19116	OSS-1	73/08/28		1.0			20.0	GRAB MO	8.6	76.00	83.0	8.6	3		250
26899	19116	OSS-1	73/09/25		1.0			20.0	GRAB MO	8.2	62.60	85.0	7.6	2	12	320
30399	19116	OSS-1	73/10/30		1.0			20.0	GRAB MO	8.0	45.20	96.0	8.0	0	6	380
33199	19116	OSS-1	73/11/27		1.0			20.0	GRAB MO	7.6	43.70	84.0	10.4	2	6	310

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	TSS	NO3N	TKN	OP	TP	CL	S04
11799	19116	OSS-1	73/04/27	8:15	1.0			20.0	GRAB MO	5	0.15	0.92	0.00	0.02	30	47
15299	19116	OSS-1	73/06/01	9:10	1.0			20.0	GRAB MO	1	0.14	0.25	0.00	0.02	28	
21299	19116	OSS-1	73/07/31		1.0			20.0	GRAB MO	3	0.06	0.20	0.01	0.01	27	28
24099	19116	OSS-1	73/08/28		1.0			20.0	GRAB MO	26	0.05	0.45	0.01	0.04	41	30
26899	19116	OSS-1	73/09/25		1.0			20.0	GRAB MO	2	0.12	0.00	0.00	0.01	70	39
30399	19116	OSS-1	73/10/30		1.0			20.0	GRAB MO	24	0.23		0.05	0.07	85	40
33199	19116	OSS-1	73/11/27		1.0			20.0	GRAB MO	2	0.28		0.04	0.07	63	34

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	NA	MG	ZN	TCOL	FCOL		
11799	19116	OSS-1	73/04/27	8:15	1.0			20.0	GRAB MO	16.120	8.620	0.000	0			
15299	19116	OSS-1	73/06/01	9:10	1.0			20.0	GRAB MO		7.800	0.003		26		
21299	19116	OSS-1	73/07/31		1.0			20.0	GRAB MO	10.500	11.600	0.000	0	0		
24099	19116	OSS-1	73/08/28		1.0			20.0	GRAB MO	17.370		0.016	3000	23		
26899	19116	OSS-1	73/09/25		1.0			20.0	GRAB MO	19.040	9.000	0.015	911	27		
30399	19116	OSS-1	73/10/30		1.0			20.0	GRAB MO				760	83		
33199	19116	OSS-1	73/11/27		1.0			20.0	GRAB MO				1040	1		

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	SPC	TH	TUR	COL	NH3N	ORGN	TDS
11799	19116	OSS-1	73/04/27	8:15	1.0			20.0	GRAB MO	370.0	152	4.4	5			265
15299	19116	OSS-1	73/06/01	9:10	1.0			20.0	GRAB MO	240.0				0.0	0.25	240
21299	19116	OSS-1	73/07/31		1.0			20.0	GRAB MO	300.0				0.1	0.10	195
24099	19116	OSS-1	73/08/28		1.0			20.0	GRAB MO					0.1	0.27	220
26899	19116	OSS-1	73/09/25		1.0			20.0	GRAB MO	325.0						320
30399	19116	OSS-1	73/10/30		1.0			20.0	GRAB MO					0.1		360
33199	19116	OSS-1	73/11/27		1.0			20.0	GRAB MO	320.0				0.2		310

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	TVS	PHL	SETR	BE	CD	CR	CU
11799	19116	OSS-1	73/04/27	8:15	1.0			20.0	GRAB MO	65	0.007		0.017	0.000	0.000	0.280
15299	19116	OSS-1	73/06/01	9:10	1.0			20.0	GRAB MO	110	0.035				0.500	
21299	19116	OSS-1	73/07/31		1.0			20.0	GRAB MO	70	0.007	0.0			0.040	
24099	19116	OSS-1	73/08/28		1.0			20.0	GRAB MO	75	0.066	0.0			0.000	
26899	19116	OSS-1	73/09/25		1.0			20.0	GRAB MO	130	0.000	0.0			0.100	
30399	19116	OSS-1	73/10/30		1.0			20.0	GRAB MO	100	0.000	0.0				
33199	19116	OSS-1	73/11/27		1.0			20.0	GRAB MO	95	0.000	0.0				

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	FE	K	NI	PS	V		
11799	19116	OSS-1	73/04/27	8:15	1.0			20.0	GRAB MO	1.000	1.620	0.020	0.000	0.000		
15299	19116	OSS-1	73/06/01	9:10	1.0			20.0	GRAB MO							
21299	19116	OSS-1	73/07/31		1.0			20.0	GRAB MO					0.200		
24099	19116	OSS-1	73/08/28		1.0			20.0	GRAB MO					0.000		
26899	19116	OSS-1	73/09/25		1.0			20.0	GRAB MO							
30399	19116	OSS-1	73/10/30		1.0			20.0	GRAB MO							
33199	19116	OSS-1	73/11/27		1.0			20.0	GRAB MO							

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	PH	T	ALK	FDD	T800	TCCC	TS
11798	19116	OSS-1	73/04/27	8:15	18.0			20.0 GRAB MO	8.0	41.50	96.0		3	5	280
15298	19116	OSS-1	73/06/01	9:10	18.0			20.0 GRAB MO	8.0	49.50	94.0	12.2	1	5	250
21298	19116	OSS-1	73/07/31		19.0			20.0 GRAB MO	8.5	69.40	35.0	8.8	1	6	210
24098	19116	OSS-1	73/08/28		18.0			20.0 GRAB MO	7.8	73.50	80.0	7.8	4	12	450
26898	19116	OSS-1	73/09/25		18.0			20.0 GRAB MO	8.0	52.70	89.0	7.6	1	13	250
30398	19116	OSS-1	73/10/30		18.0			20.0 GRAB MO	8.0	45.10	97.0	8.0	2	40	380
33198	19116	OSS-1	73/11/27		18.0			20.0 GRAB MO	6.8	43.20	100.0	10.8	3	13	370

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	TSS	NO3N	TKN	OP	TP	CL	S04
11798	19116	OSS-1	73/04/27	8:15	18.0			20.0 GRAB MO	4	0.22	1.12	0.00	0.02	31	47
15298	19116	OSS-1	73/06/01	9:10	18.0			20.0 GRAB MO	1	0.13	0.25	0.01	0.02	27	
21298	19116	OSS-1	73/07/31		18.0			20.0 GRAB MO	3	0.09	1.20	0.00	0.07	28	46
24098	19116	OSS-1	73/08/28		19.0			20.0 GRAB MO	220	0.45	1.35	0.01	0.22	44	36
26898	19116	OSS-1	73/09/25		18.0			20.0 GRAB MO	3	0.13	0.50	0.00	0.01	48	31
30398	19116	OSS-1	73/10/30		18.0			20.0 GRAB MO	22	0.25		0.04	0.05	85	38
33198	19116	OSS-1	73/11/27		18.0			20.0 GRAB MO	7	0.27		0.05	0.07	69	39

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	NA	MG	ZN	TCOL	FCOL
11798	19116	OSS-1	73/04/27	8:15	18.0			20.0 GRAB MO	19.040	8.330	0.000	0	
15298	19116	OSS-1	73/06/01	9:10	18.0			20.0 GRAB MO	1	0.13	0.25		1
21298	19116	OSS-1	73/07/31		19.0			20.0 GRAB MO	9.400	8.600	0.010		0
24098	19116	OSS-1	73/08/28		19.0			20.0 GRAB MO	18.600		0.031	4000	18
26898	19116	OSS-1	73/09/25		19.0			20.0 GRAB MO	14.050	8.410	0.012	3947	95
30398	19116	OSS-1	73/10/30		19.0			20.0 GRAB MO				100	3
33198	19116	OSS-1	73/11/27		18.0			20.0 GRAB MO				600	1

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	SPC	TH	TUR	COL	NH3N	CRGN	TDS
11798	19116	OSS-1	73/04/27	8:15	18.0			20.0 GRAB MO	370.0	150	4.1	5			275
15298	19116	OSS-1	73/06/01	9:10	18.0			20.0 GRAB MO	220.0				0.0	0.25	250
21298	19116	OSS-1	73/07/31		19.0			20.0 GRAB MO	330.0				0.2	0.91	210
24098	19116	OSS-1	73/08/28		18.0			20.0 GRAB MO					0.2	1.15	230
26898	19116	OSS-1	73/09/25		18.0			20.0 GRAB MO	275.0				0.2		250
30398	19116	OSS-1	73/10/30		18.0			20.0 GRAB MO					0.2		360
33198	19116	OSS-1	73/11/27		19.0			20.0 GRAB MO	340.0				0.2		360

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	TVS	PHL	SETR	BE	CD	CR	CU
11798	19116	OSS-1	73/04/27	8:15	18.0			20.0 GRAB MO	75	0.007		0.005	0.000	0.000	0.330
15298	19116	OSS-1	73/06/01	9:10	18.0			20.0 GRAB MO	110	0.000				0.290	
21298	19116	OSS-1	73/07/31		19.0			20.0 GRAB MO	95	0.035	0.0			0.050	
24098	19116	OSS-1	73/08/28		18.0			20.0 GRAB MO	110	0.100	4.0			0.010	
26898	19116	OSS-1	73/09/25		19.0			20.0 GRAB MO	75	0.000	0.0			0.220	
30398	19116	OSS-1	73/10/30		19.0			20.0 GRAB MO	110	0.000	0.0				
33198	19116	OSS-1	73/11/27		18.0			20.0 GRAB MO	125	0.000	0.0				

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	FE	K	NI	PB	V
11798	19116	OSS-1	73/04/27	8:15	18.0			20.0 GRAB MO	1.250	1.620	0.030	0.085	0.000
15298	19116	OSS-1	73/06/01	9:10	18.0			20.0 GRAB MO					
21298	19116	OSS-1	73/07/31		19.0			20.0 GRAB MO					0.100
24098	19116	OSS-1	73/08/28		19.0			20.0 GRAB MO					0.000
26898	19116	OSS-1	73/09/25		18.0			20.0 GRAB MO					
30398	19116	OSS-1	73/10/30		18.0			20.0 GRAB MO					
33198	19116	OSS-1	73/11/27		18.0			20.0 GRAB MO					

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	FDD	TBDD	TCDD	TS
11797	19116	OSS-2	73/04/27	8:45	1.0			45.0	GRAB	MO	8.1	41.90	93.0		1	9	280
15297	19116	OSS-2	73/06/01	9:00	1.0			45.0	GRAB	MO	8.0	49.50	92.0	12.2	2	8	240
21297	19116	OSS-2	73/07/31		1.0			45.0	GRAB	MO	8.8	71.60	84.0	9.2	1	5	210
24797	19116	OSS-2	73/08/28		1.0			45.0	GRAB	MO	8.3	74.00	78.0	9.1	2		260
26897	19116	OSS-2	73/09/25		1.0			45.0	GRAB	MO	8.3	63.00	84.0	8.9	1	11	290
30397	19116	OSS-2	73/10/30		1.0			45.0	GRAB	MO	8.0	40.90	94.0	8.9	2	8	230
33197	19116	OSS-2	73/11/27		1.0			45.0	GRAB	MO	6.8	44.20	82.0	10.6	2	10	330

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TSS	NO3N	TKN	OP	TP	CL	SO4
11797	19116	OSS-2	73/04/27	8:45	1.0			45.0	GRAB	MO	2	0.25	0.86	0.01	0.02	32	41
15297	19116	OSS-2	73/06/01	9:00	1.0			45.0	GRAB	MO	0	0.13	0.30	0.00	0.04	29	
21297	19116	OSS-2	73/07/31		1.0			45.0	GRAB	MO	3	0.04	0.00	0.00	0.02	28	32
24797	19116	OSS-2	73/08/28		1.0			45.0	GRAB	MO	12	0.05	0.15	0.00	0.02	44	38
26897	19116	OSS-2	73/09/25		1.0			45.0	GRAB	MO	3	0.09	0.00	0.01	0.01	70	37
30397	19116	OSS-2	73/10/30		1.0			45.0	GRAB	MO	19	0.26	0.04	0.04	0.05	30	27
33197	19116	OSS-2	73/11/27		1.0			45.0	GRAB	MO	4	0.25	0.03	0.03	0.06	62	30

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	NA	MG	ZN	TCOL	FCOL
11797	19116	OSS-2	73/04/27	8:45	1.0			45.0	GRAB	MO	15.210	7.780	0.000	0	
15297	19116	OSS-2	73/06/01	9:00	1.0			45.0	GRAB	MO		7.400	0.000		6
21297	19116	OSS-2	73/07/31		1.0			45.0	GRAB	MO	9.000	8.800	0.040	65	0
24797	19116	OSS-2	73/08/28		1.0			45.0	GRAB	MO	18.700		0.013	40	8
26897	19116	OSS-2	73/09/25		1.0			45.0	GRAB	MO	18.510	8.860	0.015	333	73
30397	19116	OSS-2	73/10/30		1.0			45.0	GRAB	MO				120	2
33197	19116	OSS-2	73/11/27		1.0			45.0	GRAB	MO				540	69

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SPC	TH	TUR	COL	NH3N	ORGN	TDS
11797	19116	OSS-2	73/04/27	8:45	1.0			45.0	GRAB	MO	385.0	148	4.1	5			280
15297	19116	OSS-2	73/06/01	9:00	1.0			45.0	GRAB	MO	230.0				0.0	0.30	240
21297	19116	OSS-2	73/07/31		1.0			45.0	GRAB	MO	310.0				0.1	0.09	210
24797	19116	OSS-2	73/08/28		1.0			45.0	GRAB	MO					0.0	0.15	250
26897	19116	OSS-2	73/09/25		1.0			45.0	GRAB	MO	360.0				0.2		290
30397	19116	OSS-2	73/10/30		1.0			45.0	GRAB	MO					0.1		210
33197	19116	OSS-2	73/11/27		1.0			45.0	GRAB	MO	320.0				0.1		330

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TVS	PHL	SETR	BE	CD	CR	CU
11797	19116	OSS-2	73/04/27	8:45	1.0			45.0	GRAB	MO	70	0.007		0.019	0.000	0.020	0.360
15297	19116	OSS-2	73/06/01	9:00	1.0			45.0	GRAB	MO	95	0.000				0.000	
21297	19116	OSS-2	73/07/31		1.0			45.0	GRAB	MO	110	0.035	0.0			0.050	
24797	19116	OSS-2	73/08/28		1.0			45.0	GRAB	MO	55	0.066	0.0			0.060	
26897	19116	OSS-2	73/09/25		1.0			45.0	GRAB	MO	95	0.000	0.0			0.110	
30397	19116	OSS-2	73/10/30		1.0			45.0	GRAB	MO	50	0.000	0.0				
33197	19116	OSS-2	73/11/27		1.0			45.0	GRAB	MO	115	0.000	0.0				

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	FE	K	NI	PB	V
11797	19116	OSS-2	73/04/27	8:45	1.0			45.0	GRAB	MO	0.210	1.620	0.080	0.120	0.000
15297	19116	OSS-2	73/06/01	9:00	1.0			45.0	GRAB	MO					
21297	19116	OSS-2	73/07/31		1.0			45.0	GRAB	MO				0.100	
24797	19116	OSS-2	73/08/28		1.0			45.0	GRAB	MO				0.300	
26897	19116	OSS-2	73/09/25		1.0			45.0	GRAB	MO					
30397	19116	OSS-2	73/10/30		1.0			45.0	GRAB	MO					
33197	19116	OSS-2	73/11/27		1.0			45.0	GRAB	MO					

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	PH	T	ALK	FOO	T800	TC00	TS
11796	19116	OSS-2	73/04/27	8:45	43.0			45.0 GRAB MO	8.1	41.00	102.0		2	6	270
15296	19116	OSS-2	73/06/01	9:00	43.0			45.0 GRAB MO	7.9	47.30	93.0	11.7	1	6	240
21296	19116	OSS-2	73/07/31		43.0			45.0 GRAB MO	8.7	67.60	87.0	9.5	0	3	200
24096	19116	OSS-2	73/08/28		43.0			45.0 GRAB MO	8.4	65.00	83.0	8.6	1		250
26896	19116	OSS-2	73/09/25		43.0			45.0 GRAB MO	7.9	48.20	92.0	7.8	1	11	195
30396	19116	OSS-2	73/10/30		43.0			45.0 GRAB MO	8.0	41.10	95.0	8.4	2	4	240
33196	19116	OSS-2	73/11/27		43.0			45.0 GRAB MO	7.0	43.20	105.0	11.0	3	20	520

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	TSS	NO3N	TKN	OP	TP	CL	S04
11796	19116	OSS-2	73/04/27	8:45	43.0			45.0 GRAB MO	5	0.15	1.18	0.00	0.00	32	28
15296	19116	OSS-2	73/06/01	9:00	43.0			45.0 GRAB MO	0	0.07	0.20	0.06	0.07	26	
21296	19116	OSS-2	73/07/31		43.0			45.0 GRAB MO	2	0.04	1.10	0.00	0.02	27	26
24096	19116	OSS-2	73/08/28		43.0			45.0 GRAB MO	8	0.00	0.55	0.01	0.04	41	31
26896	19116	OSS-2	73/09/25		43.0			45.0 GRAB MO	2	0.21	0.00	0.00	0.01	31	32
30396	19116	OSS-2	73/10/30		43.0			45.0 GRAB MO	26	0.25		0.02	0.02	30	29
33196	19116	OSS-2	73/11/27		43.0			45.0 GRAB MO	5	0.39		0.09	0.10	126	48

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	NA	MG	ZN	TCOL	FCOL
11796	19116	OSS-2	73/04/27	8:45	43.0			45.0 GRAB MO	16.220	7.290	0.000	0	
15296	19116	OSS-2	73/06/01	9:00	43.0			45.0 GRAB MO		7.600	0.000		1
21296	19116	OSS-2	73/07/31		43.0			45.0 GRAB MO	9.700	9.000	0.000	140	0
24096	19116	OSS-2	73/08/28		43.0			45.0 GRAB MO	17.930		0.016	150	0
26896	19116	OSS-2	73/09/25		43.0			45.0 GRAB MO	9.540	8.070	0.014	255	27
30396	19116	OSS-2	73/10/30		43.0			45.0 GRAB MO				170	2
33196	19116	OSS-2	73/11/27		43.0			45.0 GRAB MO				1310	0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	SPC	TH	TUR	COL	NH3N	ORGN	TOS
11796	19116	OSS-2	73/04/27	8:45	43.0			45.0 GRAB MO	355.0	147	5.5	5			265
15296	19116	OSS-2	73/06/01	9:00	43.0			45.0 GRAB MO	220.0				0.0	0.20	240
21296	19116	OSS-2	73/07/31		43.0			45.0 GRAB MO	290.0				0.0	1.10	200
24096	19116	OSS-2	73/08/28		43.0			45.0 GRAB MO					0.2	0.35	240
26896	19116	OSS-2	73/09/25		43.0			45.0 GRAB MO	240.0				0.2		195
30396	19116	OSS-2	73/10/30		43.0			45.0 GRAB MO					0.1		210
33196	19116	OSS-2	73/11/27		43.0			45.0 GRAB MO	490.0						520

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	TVS	PHL	SETR	BE	CD	CR	CU
11796	19116	OSS-2	73/04/27	8:45	43.0			45.0 GRAB MO	65	0.000		0.005	0.000	0.020	0.360
15296	19116	OSS-2	73/06/01	9:00	43.0			45.0 GRAB MO	80	0.015				0.071	
21296	19116	OSS-2	73/07/31		43.0			45.0 GRAB MO	60	0.007	0.0			0.140	
24096	19116	OSS-2	73/08/28		43.0			45.0 GRAB MO	80	0.066	0.0			0.000	
26896	19116	OSS-2	73/09/25		43.0			45.0 GRAB MO	60	0.000	0.0			0.230	
30396	19116	OSS-2	73/10/30		43.0			45.0 GRAB MO	70	0.000	0.0				
33196	19116	OSS-2	73/11/27		43.0			45.0 GRAB MO	175	0.000	0.0				

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	FE	K	NI	PB	V
11796	19116	OSS-2	73/04/27	8:45	43.0			45.0 GRAB MO	0.230	1.580	0.130	0.000	0.000
15296	19116	OSS-2	73/06/01	9:00	43.0			45.0 GRAB MO					
21296	19116	OSS-2	73/07/31		43.0			45.0 GRAB MO					0.500
24096	19116	OSS-2	73/08/28		43.0			45.0 GRAB MO					0.000
26896	19116	OSS-2	73/09/25		43.0			45.0 GRAB MO					
30396	19116	OSS-2	73/10/30		43.0			45.0 GRAB MO					
33196	19116	OSS-2	73/11/27		43.0			45.0 GRAB MO					



CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	FDO	T800	TCOD	TS
11795	19116	OSS-3	73/04/27	13:45					GRAB	MO	8.1	43.00	88.0		3	7	255
15295	19116	OSS-3	73/06/01	8:00			20.0		GRAB	MO	8.0	49.40	93.0		2	5	240
24295	19116	OSS-3	73/08/28						GRAB	MO	8.5	75.80	81.0	7.9	2		260
26895	19116	OSS-3	73/09/25						GRAB	MO	8.0	53.40	86.0	8.9	1	10	230
30395	19116	OSS-3	73/10/30						GRAB	MO	7.8	48.40	94.0	10.2	4	17	400
33195	19116	OSS-3	73/11/27						GRAB	MO	7.2	42.80	85.0	11.3	3	13	380
36199	19116	OSS-3	73/12/27						GRAB	MO	7.7	40.50	87.0	12.7	2	7	220

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TSS	NO3N	TKN	OP	TP	CL	SO4
11795	19116	OSS-3	73/04/27	13:45					GRAB	MO	4	0.28	1.11	0.00	0.02	30	44
15295	19116	OSS-3	73/06/01	8:00			20.0		GRAB	MO	0	0.24	0.35	0.00	0.01	27	
24295	19116	OSS-3	73/08/28						GRAB	MO	5	0.35	0.45	0.00	0.00	43	33
26895	19116	OSS-3	73/09/25						GRAB	MO	3	0.20	0.05	0.01	0.01	44	37
30395	19116	OSS-3	73/10/30						GRAB	MO	25	0.21	0.05	0.05	0.06	90	41
33195	19116	OSS-3	73/11/27						GRAB	MO	6	0.27	0.05	0.05	0.08	72	38
36199	19116	OSS-3	73/12/27						GRAB	MO	8	0.38	0.01	0.01	0.03	32	25

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	NA	MG	ZN	TCOL	FCOL
11795	19116	OSS-3	73/04/27	13:45					GRAB	MO	14.610	7.330	0.000	0	
15295	19116	OSS-3	73/06/01	8:00			20.0		GRAB	MO		7.100	0.005		9
24295	19116	OSS-3	73/08/28						GRAB	MO	18.100		0.010	12	1
26895	19116	OSS-3	73/09/25						GRAB	MO	13.530	8.300	0.017	576	91
30395	19116	OSS-3	73/10/30						GRAB	MO				840	4
33195	19116	OSS-3	73/11/27						GRAB	MO				990	54
36199	19116	OSS-3	73/12/27						GRAB	MO				140	35

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SPC	TH	TUR	COL	NH3N	ORGN	TDS
11795	19116	OSS-3	73/04/27	13:45					GRAB	MO	370.0	150	5.6	5			250
15295	19116	OSS-3	73/06/01	8:00			20.0		GRAB	MO					0.0	0.35	240
24295	19116	OSS-3	73/08/28						GRAB	MO					0.1	0.27	260
26895	19116	OSS-3	73/09/25						GRAB	MO					0.0		230
30395	19116	OSS-3	73/10/30						GRAB	MO					0.2		380
33195	19116	OSS-3	73/11/27						GRAB	MO					0.2		370
36199	19116	OSS-3	73/12/27						GRAB	MO					0.1		210

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TVS	PHL	SETR	BE	CD	CR	CU
11795	19116	OSS-3	73/04/27	13:45					GRAB	MO	60	0.070		0.005	0.000	0.000	0.420
15295	19116	OSS-3	73/06/01	8:00			20.0		GRAB	MO	90	0.010				0.000	
24295	19116	OSS-3	73/08/28						GRAB	MO	80	0.060	0.0			0.010	
26895	19116	OSS-3	73/09/25						GRAB	MO	80	0.000	0.0			0.100	
30395	19116	OSS-3	73/10/30						GRAB	MO	125	0.000	0.0				
33195	19116	OSS-3	73/11/27						GRAB	MO	140	0.000	0.0				
36199	19116	OSS-3	73/12/27						GRAB	MO	75	0.000	0.0				

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	FE	K	NI	PB	V
11795	19116	OSS-3	73/04/27	13:45					GRAB	MO	0.200	1.540	0.020	0.040	0.000
15295	19116	OSS-3	73/06/01	8:00			20.0		GRAB	MO					
24295	19116	OSS-3	73/08/28						GRAB	MO					
26895	19116	OSS-3	73/09/25						GRAB	MO				0.000	
30395	19116	OSS-3	73/10/30						GRAB	MO					
33195	19116	OSS-3	73/11/27						GRAB	MO					
36199	19116	OSS-3	73/12/27						GRAB	MO					

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	FDO	TBOD	TCOD	TS
11794	19116	OSS-4	73/04/27	13:45					GRAB	MO	8.1	61.10	88.0		1	6	255
15294	19116	OSS-4	73/06/01	8:00				13.0	GRAB	MO	7.8	63.10	92.0		3	13	235
21294	19116	OSS-4	73/07/31						GRAB	MO	7.8	82.00	85.0	7.6	2	3	270
24094	19116	OSS-4	73/08/28						GRAB	MO	8.6	82.40	82.0	7.9	2		260
26894	19116	OSS-4	73/09/25						GRAB	MO	8.0	60.60	89.0	9.1	1	9	230
30394	19116	OSS-4	73/10/30						GRAB	MO	8.0	55.40	96.0	9.9	2	11	380
33194	19116	OSS-4	73/11/27						GRAB	MO	7.1	50.40	81.0	11.0	3	9	360
36198	19116	OSS-4	73/12/27						GRAB	MO	7.9	44.60	89.0	12.8	2	17	220

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TSS	NO3N	TKN	OP	TP	CL	SD4
11794	19116	OSS-4	73/04/27	13:45					GRAB	MO	4	0.22	1.41	0.00	0.01	31	26
15294	19116	OSS-4	73/06/01	8:00				13.0	GRAB	MO	0	0.19	0.50	0.00	0.01	31	
21294	19116	OSS-4	73/07/31						GRAB	MO	4	0.04	0.00	0.00	0.02	29	28
24094	19116	OSS-4	73/08/28						GRAB	MO	5	0.20	0.75	0.00	0.04	44	38
26894	19116	OSS-4	73/09/25						GRAB	MO	2	0.20	0.10	0.00	0.00	44	31
30394	19116	OSS-4	73/10/30						GRAB	MO	28	0.24		0.03	0.04	90	46
33194	19116	OSS-4	73/11/27						GRAB	MO	4	0.30		0.05	0.06	72	39
36198	19116	OSS-4	73/12/27						GRAB	MO	7	0.37		0.01	0.02	32	24

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	NA	HG	ZN	TCOL	FCOL		
11794	19116	OSS-4	73/04/27	13:45					GRAB	MO	18.890	7.110	0.000	0			
15294	19116	OSS-4	73/06/01	8:00				13.0	GRAB	MO		7.500	0.021		2		
21294	19116	OSS-4	73/07/31						GRAB	MO		9.400	0.000	40	0		
24094	19116	OSS-4	73/08/28						GRAB	MO	18.800		0.008	125	33		
26894	19116	OSS-4	73/09/25						GRAB	MO	11.720	8.300	0.009	517	2		
30394	19116	OSS-4	73/10/30						GRAB	MO				980	125		
33194	19116	OSS-4	73/11/27						GRAB	MO				790	36		
36198	19116	OSS-4	73/12/27						GRAB	MO				50	66		

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SPC	TH	TUR	COL	NH3N	CRON	TDS
11794	19116	OSS-4	73/04/27	13:45					GRAB	MO	360.0	160	6.2	5			250
15294	19116	OSS-4	73/06/01	8:00				13.0	GRAB	MO					0.0	0.50	235
21294	19116	OSS-4	73/07/31						GRAB	MO					0.0	0.00	270
24094	19116	OSS-4	73/08/28						GRAB	MO					0.2	0.55	260
26894	19116	OSS-4	73/09/25						GRAB	MO							230
30394	19116	OSS-4	73/10/30						GRAB	MO					0.1		350
33194	19116	OSS-4	73/11/27						GRAB	MO					0.1		360
36198	19116	OSS-4	73/12/27						GRAB	MO					0.0		210

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TVS	PHL	SETR	BE	CO	CR	CU
11794	19116	OSS-4	73/04/27	13:45					GRAB	MO	50	0.000		0.003	0.000	0.000	0.330
15294	19116	OSS-4	73/06/01	8:00				13.0	GRAB	MO	80	0.050				0.000	
21294	19116	OSS-4	73/07/31						GRAB	MO	100	0.000	0.0			0.030	
24094	19116	OSS-4	73/08/28						GRAB	MO	65	0.100	0.0			0.000	
26894	19116	OSS-4	73/09/25						GRAB	MO	85	0.000	0.0			0.180	
30394	19116	OSS-4	73/10/30						GRAB	MO	125	0.000	0.0				
33194	19116	OSS-4	73/11/27						GRAB	MO	135	0.000	0.0				
36198	19116	OSS-4	73/12/27						GRAB	MO	75	0.007	0.0				

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	FE	K	NI	PH	V		
11794	19116	OSS-4	73/04/27	13:45					GRAB	MO	0.400	1.620	0.000	0.000	0.000		
15294	19116	OSS-4	73/06/01	8:00				13.0	GRAB	MO							
21294	19116	OSS-4	73/07/31						GRAB	MO					0.000		
24094	19116	OSS-4	73/08/28						GRAB	MO					0.000		
26894	19116	OSS-4	73/09/25						GRAB	MO							
30394	19116	OSS-4	73/10/30						GRAB	MO							
33194	19116	OSS-4	73/11/27						GRAB	MO							
36198	19116	OSS-4	73/12/27						GRAB	MO							

## 1973 DATA

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16387	19115	NHP-1	73/06/12	8:45	1.0			20.0	GRAB	BIHO	8.9	370.0	63.50	22.0		11.4	3
17899	19115	NHP-1	73/06/27	8:30	1.0			20.0	GRAB	BIHO	8.0	375.0	62.80	6.0	0.0	12.1	4
19091	19115	NHP-1	73/07/09		1.0			20.0	GRAB	BIHO	8.6	430.0	74.30	9.0	0.0	8.9	0
20591	19115	NHP-1	73/07/24		1.0			20.0	GRAB	BIHO	8.7	240.0	68.40	2.0	0.5	7.2	1
21991	19115	NHP-1	73/08/07		1.0			20.0	GRAB	BIHO		390.0	73.60	5.0	0.0	9.4	4
23591	19115	NHP-1	73/08/22		1.0			20.0	GRAB	BIHO	8.5	310.0	75.00	1.0	0.0	8.2	1
24785	19115	NHP-1	73/09/04		1.0			20.0	GRAB	BIHO	8.6	380.0	80.60	3.0	0.0	8.6	3
26291	19115	NHP-1	73/09/19		1.0			20.0	GRAB	BIHO	8.4	270.0	67.60	3.0	0.0	7.7	1
28291	19115	NHP-1	73/10/09		1.0			20.0	GRAB	BIHO	8.3	260.0	57.20	1.0	0.0	9.5	1
29691	19115	NHP-1	73/10/23		1.0			20.0	GRAB	BIHO	8.3		52.60	1.0	0.0	10.1	2
31291	19115	NHP-1	73/11/08		1.0			20.0	GRAB	BIHO	8.0	235.0	46.20	3.0	0.5	10.5	2
32291	19115	NHP-1	73/11/18		1.0			20.0	GRAB	BIHO	8.2	230.0	42.80	6.0	1.0	11.2	2
33886	19115	NHP-1	73/12/04		1.0			20.0	GRAB	BIHO	8.0	240.0	46.40	0.0	-1.0	10.8	2
34691	19115	NHP-1	73/12/12		1.0			20.0	GRAB	BIHO	7.8	220.0	43.00	0.0	1.0	10.5	2

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD	TYPE	FREQ	TCOD	TS	TSS	HO3N	TKN	OP	TP
16387	19115	NHP-1	73/06/12	8:45	1.0			20.0	GRAB	BIHO	10	290	3	0.06	0.46	0.00	0.27
17899	19115	NHP-1	73/06/27	8:30	1.0			20.0	GRAB	BIHO	11	323	2	0.11	0.66	0.00	0.05
19091	19115	NHP-1	73/07/09		1.0			20.0	GRAB	BIHO	13	350	12	0.12	0.50	0.00	0.05
20591	19115	NHP-1	73/07/24		1.0			20.0	GRAB	BIHO	5	220	2	0.07	0.05	0.00	0.01
21991	19115	NHP-1	73/08/07		1.0			20.0	GRAB	BIHO	17	270	8	0.03	0.00	0.02	0.04
23591	19115	NHP-1	73/08/22		1.0			20.0	GRAB	BIHO	0	203	1	0.02	0.40	0.01	0.04
24785	19115	NHP-1	73/09/04		1.0			20.0	GRAB	BIHO	21	240	4	0.01	0.40	0.00	0.03
26291	19115	NHP-1	73/09/19		1.0			20.0	GRAB	BIHO	25	220	0	0.02	0.45	0.00	0.02
28291	19115	NHP-1	73/10/09		1.0			20.0	GRAB	BIHO	4	210	2	0.07	0.40	0.00	0.02
29691	19115	NHP-1	73/10/23		1.0			20.0	GRAB	BIHO	27	220	2	0.08	0.40	0.02	0.03
31291	19115	NHP-1	73/11/08		1.0			20.0	GRAB	BIHO	11	230	7	0.19	0.18	0.03	0.07
32291	19115	NHP-1	73/11/18		1.0			20.0	GRAB	BIHO	5	220	8	0.23		0.00	0.05
33886	19115	NHP-1	73/12/04		1.0			20.0	GRAB	BIHO	25	190	1	0.24		0.01	0.05
34691	19115	NHP-1	73/12/12		1.0			20.0	GRAB	BIHO	10	220	5	0.32		0.00	0.07

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD	TYPE	FREQ	CHLA	SI
16387	19115	NHP-1	73/06/12	8:45	1.0			20.0	GRAB	BIHO	15.0	0
17899	19115	NHP-1	73/06/27	8:30	1.0			20.0	GRAB	BIHO	7.0	0
19091	19115	NHP-1	73/07/09		1.0			20.0	GRAB	BIHO	3.8	0
20591	19115	NHP-1	73/07/24		1.0			20.0	GRAB	BIHO	5.5	0
21991	19115	NHP-1	73/08/07		1.0			20.0	GRAB	BIHO	14.0	0
23591	19115	NHP-1	73/08/22		1.0			20.0	GRAB	BIHO	3.3	0
24785	19115	NHP-1	73/09/04		1.0			20.0	GRAB	BIHO	5.5	6
26291	19115	NHP-1	73/09/19		1.0			20.0	GRAB	BIHO	0.8	0
28291	19115	NHP-1	73/10/09		1.0			20.0	GRAB	BIHO	1.1	
29691	19115	NHP-1	73/10/23		1.0			20.0	GRAB	BIHO	3.8	
31291	19115	NHP-1	73/11/08		1.0			20.0	GRAB	BIHO	0.6	
32291	19115	NHP-1	73/11/18		1.0			20.0	GRAB	BIHO	0.6	
33886	19115	NHP-1	73/12/04		1.0			20.0	GRAB	BIHO	5.5	
34691	19115	NHP-1	73/12/12		1.0			20.0	GRAB	BIHO	0.6	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD TYPE	FREQ	PH	SPC	T	TUR	CO2	FDO	TBOD
16386	19115	NHP-1	73/06/12	8:45	18.0			20.0	GRAB BIHO	8.9	305.0	60.80	7.0		12.3	2
17898	19115	NHP-1	73/06/27	8:30	18.0			20.0	GRAB BIHO	8.0	360.0	60.80	15.0	0.4	11.3	3
19090	19115	NHP-1	73/07/09		18.0			20.0	GRAB BIHO	8.5	360.0	72.70	6.0	0.0	8.2	1
20590	19115	NHP-1	73/07/24		18.0			20.0	GRAB BIHO	7.9	210.0	43.30	4.0	2.0	10.4	2
21990	19115	NHP-1	73/08/07		18.0			20.0	GRAB BIHO		325.0	72.30	4.0	0.0	7.0	1
23590	19115	NHP-1	73/08/22		18.0			20.0	GRAB BIHO	8.4	305.0	71.80	3.0	0.0	8.2	1
24784	19115	NHP-1	73/09/04		18.0			20.0	GRAB BIHO	8.4	360.0	78.80	5.0	0.0	7.1	1
26290	19115	NHP-1	73/09/19		18.0			20.0	GRAB BIHO	8.4	260.0	66.20	5.0	0.0	7.7	1
28290	19115	NHP-1	73/10/09		18.0			20.0	GRAB BIHO	8.2	250.0	55.80	3.0	0.5	9.7	1
29690	19115	NHP-1	73/10/23		18.0			20.0	GRAB BIHO	8.3		52.70	1.0	0.0	9.8	1
31290	19115	NHP-1	73/11/08		18.0			20.0	GRAB BIHO		230.0	46.60			11.0	
32290	19115	NHP-1	73/11/18		18.0			20.0	GRAB BIHO	8.2	245.0	41.90	6.0	1.5	10.9	3
33885	19115	NHP-1	73/12/04		18.0			20.0	GRAB BIHO	8.0	260.0	43.00	3.0	0.5	12.1	2
34690	19115	NHP-1	73/12/12		18.0			20.0	GRAB BIHO	7.9	220.0	42.80	0.0	1.9	10.8	3

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16386	19115	NHP-1	73/06/12	8:45	18.0			20.0	GRAB BIHO	7	245	3	0.08	0.83	0.00	0.41
17898	19115	NHP-1	73/06/27	8:30	18.0			20.0	GRAB BIHO	13	366	46	0.28	0.97	0.04	0.08
19090	19115	NHP-1	73/07/09		18.0			20.0	GRAB BIHO	12	310	11	0.00	0.00	0.01	0.07
20590	19115	NHP-1	73/07/24		18.0			20.0	GRAB BIHO	3	210	2	0.15	0.05	0.01	0.01
21990	19115	NHP-1	73/08/07		18.0			20.0	GRAB BIHO	14	190	5	0.02	0.20	0.01	0.03
23590	19115	NHP-1	73/08/22		18.0			20.0	GRAB BIHO	21	202	2	0.01	0.70	0.01	0.04
24784	19115	NHP-1	73/09/04		18.0			20.0	GRAB BIHO	17	200	8	0.00	0.30	0.00	0.01
26290	19115	NHP-1	73/09/19		18.0			20.0	GRAB BIHO	3	220	1	0.03	0.35	0.00	0.02
28290	19115	NHP-1	73/10/09		18.0			20.0	GRAB BIHO	16	210	5	0.10	0.40	0.00	0.01
29690	19115	NHP-1	73/10/23		18.0			20.0	GRAB BIHO	8	200	2	0.04	0.30	0.01	0.01
31290	19115	NHP-1	73/11/08		18.0			20.0	GRAB BIHO							
32290	19115	NHP-1	73/11/18		18.0			20.0	GRAB BIHO	7	230	10	0.25		0.02	0.02
33885	19115	NHP-1	73/12/04		18.0			20.0	GRAB BIHO	18	210	2	0.27		0.01	0.02
34690	19115	NHP-1	73/12/12		18.0			20.0	GRAB BIHO	4	240	4	0.30		0.01	0.04

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD TYPE	FREQ	CHLA	SI
16386	19115	NHP-1	73/06/12	8:45	18.0			20.0	GRAB BIHO	7.0	0
17898	19115	NHP-1	73/06/27	8:30	18.0			20.0	GRAB BIHO	11.0	3
19090	19115	NHP-1	73/07/09		18.0			20.0	GRAB BIHO	5.5	0
20590	19115	NHP-1	73/07/24		18.0			20.0	GRAB BIHO	6.6	0
21990	19115	NHP-1	73/08/07		18.0			20.0	GRAB BIHO	11.0	0
23590	19115	NHP-1	73/08/22		18.0			20.0	GRAB BIHO	3.8	0
24784	19115	NHP-1	73/09/04		18.0			20.0	GRAB BIHO	14.6	1
26290	19115	NHP-1	73/09/19		18.0			20.0	GRAB BIHO	0.0	3
28290	19115	NHP-1	73/10/09		18.0			20.0	GRAB BIHO	1.6	
29690	19115	NHP-1	73/10/23		18.0			20.0	GRAB BIHO	5.5	
31290	19115	NHP-1	73/11/08		18.0			20.0	GRAB BIHO		
32290	19115	NHP-1	73/11/18		18.0			20.0	GRAB BIHO	0.6	
33885	19115	NHP-1	73/12/04		18.0			20.0	GRAB BIHO	1.8	
34690	19115	NHP-1	73/12/12		18.0			20.0	GRAB BIHO	0.6	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16385	19115	NHP-2	73/06/12	8:30	2.0			60.0 GRAB BINO	8.9	270.0	59.40	5.0		12.5	3
17897	19115	NHP-2	73/06/27	8:40	1.0			60.0 GRAB BINO	8.0	270.0	61.70	4.0	0.0	12.5	4
19089	19115	NHP-2	73/07/09		1.0			60.0 GRAB BINO	8.6	320.0	72.90	3.0	0.0	9.1	1
20589	19115	NHP-2	73/07/24		1.0			60.0 GRAB BINO	9.0	290.0	67.50	1.0	0.0	9.5	1
21989	19115	NHP-2	73/08/07		1.0			60.0 GRAB BINO		370.0	73.80	4.0	0.0	9.6	2
23589	19115	NHP-2	73/08/22		1.0			60.0 GRAB BINO	8.5	300.0	71.80	4.0	0.0	8.2	2
24783	19115	NHP-2	73/09/04		1.0			60.0 GRAB BINO	8.5	338.0	80.60	5.0	0.0	8.0	2
26289	19115	NHP-2	73/09/19		1.0			60.0 GRAB BINO	8.4	280.0	67.10	5.0	0.0	7.5	1
28289	19115	NHP-2	73/10/09		1.0			60.0 GRAB BINO	8.3	265.0	60.10	3.0	0.5	9.4	1
29689	19115	NHP-2	73/10/23		2.0			60.0 GRAB BINO	8.3		53.00	1.0	0.0	9.2	1
31289	19115	NHP-2	73/11/08		1.0			60.0 GRAB BINO	8.1	235.0	46.40	0.0	0.5	10.0	2
32289	19115	NHP-2	73/11/18		1.0			60.0 GRAB BINO	8.2	230.0	44.40	5.0	1.0	11.2	2
33684	19115	NHP-2	73/12/04		1.0			60.0 GRAB BINO	8.0	225.0	44.60	0.0	1.0	10.3	3
34689	19115	NHP-2	73/12/12		1.0			60.0 GRAB BINO	8.0	220.0	44.20	0.0	1.0	10.6	3

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16385	19115	NHP-2	73/06/12	8:30	2.0			60.0 GRAB BINO	10	275	1	0.08	1.04	0.00	0.12
17897	19115	NHP-2	73/06/27	8:40	1.0			60.0 GRAB BINO	12	237	1	0.02	0.77	0.00	0.03
19089	19115	NHP-2	73/07/09		1.0			60.0 GRAB BINO	7	220	3	0.00	0.65	0.00	0.02
20589	19115	NHP-2	73/07/24		1.0			60.0 GRAB BINO	8	230	0	0.03	0.10	0.00	0.00
21989	19115	NHP-2	73/08/07		1.0			60.0 GRAB BINO	17	250	4	0.03	0.25	0.00	0.02
23589	19115	NHP-2	73/08/22		1.0			60.0 GRAB BINO	22	202	0	0.00	0.70	0.01	0.07
24783	19115	NHP-2	73/09/04		1.0			60.0 GRAB BINO	20	220	4	0.01	0.30	0.00	0.01
26289	19115	NHP-2	73/09/19		1.0			60.0 GRAB BINO	3	220	4	0.02	0.30	0.01	0.06
28289	19115	NHP-2	73/10/09		1.0			60.0 GRAB BINO	30	210	1	0.03	0.60	0.00	0.01
29689	19115	NHP-2	73/10/23		2.0			60.0 GRAB BINO	24	220	2	0.06	0.40	0.01	0.01
31289	19115	NHP-2	73/11/08		1.0			60.0 GRAB BINO	11	210	2	0.16	0.20	0.01	0.07
32289	19115	NHP-2	73/11/18		1.0			60.0 GRAB BINO	11	210	6	0.21		0.01	0.02
33684	19115	NHP-2	73/12/04		1.0			60.0 GRAB BINO	20	170	0	0.33		0.02	0.02
34689	19115	NHP-2	73/12/12		1.0			60.0 GRAB BINO	8	220	4	0.30		0.01	0.05

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE FREQ	CHLA	SI
16385	19115	NHP-2	73/06/12	8:30	2.0			60.0 GRAB BINO	5.0	0
17897	19115	NHP-2	73/06/27	8:40	1.0			60.0 GRAB BINO	7.0	0
19089	19115	NHP-2	73/07/09		1.0			60.0 GRAB BINO	7.6	2
20589	19115	NHP-2	73/07/24		1.0			60.0 GRAB BINO	4.4	0
21989	19115	NHP-2	73/08/07		1.0			60.0 GRAB BINO	11.0	0
23589	19115	NHP-2	73/08/22		1.0			60.0 GRAB BINO	2.7	0
24783	19115	NHP-2	73/09/04		1.0			60.0 GRAB BINO	12.7	0
26289	19115	NHP-2	73/09/19		1.0			60.0 GRAB BINO	3.9	2
28289	19115	NHP-2	73/10/09		1.0			60.0 GRAB BINO	2.2	
29689	19115	NHP-2	73/10/23		2.0			60.0 GRAB BINO	3.3	
31289	19115	NHP-2	73/11/08		1.0			60.0 GRAB BINO	0.6	
32289	19115	NHP-2	73/11/18		1.0			60.0 GRAB BINO	0.6	
33684	19115	NHP-2	73/12/04		1.0			60.0 GRAB BINO	4.1	
34689	19115	NHP-2	73/12/12		1.0			60.0 GRAB BINO	0.6	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD TYPE	FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16384	19115	NHP-2	73/06/12	8:30	58.0			60.0	GRAB BINO	8.8	240.0	54.50	49.0		13.0	2
17896	19115	NHP-2	73/06/27	8:40	58.0			60.0	GRAB BINO	8.0	225.0	46.00	2.0	0.9	10.4	2
19088	19115	NHP-2	73/07/09		58.0			60.0	GRAB BINO	8.7	280.0	68.90	6.0	0.0	8.9	1
20588	19115	NHP-2	73/07/24		58.0			60.0	GRAB BINO	8.3	200.0	41.50	1.0	2.5	10.4	1
21988	19115	NHP-2	73/08/07		58.0			60.0	GRAB BINO		310.0	71.60	7.0	0.0	8.1	2
23588	19115	NHP-2	73/08/22		58.0			60.0	GRAB BINO	8.1	215.0	42.80	1.0	1.0	8.9	1
24782	19115	NHP-2	73/09/04		58.0			60.0	GRAB BINO	8.2	290.0	68.00	3.0	0.0	5.9	1
26288	19115	NHP-2	73/09/19		58.0			60.0	GRAB BINO	8.2	210.0	48.20	5.0	1.0	8.1	1
28288	19115	NHP-2	73/10/09		58.0			60.0	GRAB BINO	8.3	250.0	55.40	3.0	0.5	9.5	1
29688	19115	NHP-2	73/10/23		58.0			60.0	GRAB BINO	8.3		52.80	5.0	0.0	9.5	2
31288	19115	NHP-2	73/11/08		58.0			60.0	GRAB BINO		230.0	46.40			11.0	
32288	19115	NHP-2	73/11/18		58.0			60.0	GRAB BINO	8.2	240.0	42.70	52.0	1.5	10.6	2
33883	19115	NHP-2	73/12/04		58.0			60.0	GRAB BINO	8.0	260.0	43.70	1.0	0.5	11.0	2
34688	19115	NHP-2	73/12/12		58.0			60.0	GRAB BINO	8.0	220.0	42.60	0.0	1.0	11.0	2

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16384	19115	NHP-2	73/06/12	8:30	58.0			60.0	GRAB BINO	11	260	6	0.16	0.96	0.00	0.11
17896	19115	NHP-2	73/06/27	8:40	58.0			60.0	GRAB BINO	5	250	21	0.32	0.71	0.00	0.02
19088	19115	NHP-2	73/07/09		58.0			60.0	GRAB BINO	5	210	9	0.00	0.30	0.00	0.16
20588	19115	NHP-2	73/07/24		58.0			60.0	GRAB BINO	4	210	2	0.20	0.60	0.01	0.04
21988	19115	NHP-2	73/08/07		58.0			60.0	GRAB BINO	16	260	22	0.03	0.00	0.01	0.09
23588	19115	NHP-2	73/08/22		58.0			60.0	GRAB BINO	2	202	0	0.29	0.30	0.02	0.03
24782	19115	NHP-2	73/09/04		58.0			60.0	GRAB BINO	24	210	3	0.01	0.20	0.01	0.01
26288	19115	NHP-2	73/09/19		58.0			60.0	GRAB BINO	5	230	1	0.20	0.40	0.01	0.02
28288	19115	NHP-2	73/10/09		58.0			60.0	GRAB BINO	20	210	9	0.09	0.40	0.02	0.07
29688	19115	NHP-2	73/10/23		58.0			60.0	GRAB BINO	10	210	5	0.05	0.40	0.01	0.01
31288	19115	NHP-2	73/11/08		58.0			60.0	GRAB BINO					1.12		
32288	19115	NHP-2	73/11/18		58.0			60.0	GRAB BINO	65	420	260	0.23		0.07	0.07
33883	19115	NHP-2	73/12/04		58.0			60.0	GRAB BINO	3	210	2	0.33		0.01	0.04
34688	19115	NHP-2	73/12/12		58.0			60.0	GRAB BINO	8	220	2	0.31		0.00	0.05

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD TYPE	FREQ	CHLA	SI
16384	19115	NHP-2	73/06/12	8:30	58.0			60.0	GRAB BINO	10.0	0
17896	19115	NHP-2	73/06/27	8:40	58.0			60.0	GRAB BINO	25.0	0
19088	19115	NHP-2	73/07/09		58.0			60.0	GRAB BINO	0.5	0
20588	19115	NHP-2	73/07/24		58.0			60.0	GRAB BINO	3.8	0
21988	19115	NHP-2	73/08/07		58.0			60.0	GRAB BINO	10.0	0
23588	19115	NHP-2	73/08/22		58.0			60.0	GRAB BINO	0.6	0
24782	19115	NHP-2	73/09/04		58.0			60.0	GRAB BINO	0.0	0
26288	19115	NHP-2	73/09/19		58.0			60.0	GRAB BINO	0.0	6
28288	19115	NHP-2	73/10/09		58.0			60.0	GRAB BINO	1.6	
29688	19115	NHP-2	73/10/23		58.0			60.0	GRAB BINO	4.4	
31288	19115	NHP-2	73/11/08		58.0			60.0	GRAB BINO		
32288	19115	NHP-2	73/11/18		58.0			60.0	GRAB BINO	0.6	
33883	19115	NHP-2	73/12/04		58.0			60.0	GRAB BINO	0.0	
34688	19115	NHP-2	73/12/12		58.0			60.0	GRAB BINO	1.1	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	NP	HSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16395	19115	NHP-3	73/06/12	8:15	1.0			20.0	GRAB	BINO	8.9	340.0	62.20	2.0		12.0	3
17895	19115	NHP-3	73/06/27	7:40	1.0			20.0	GRAB	BINO	8.0	370.0	64.40	5.0	0.0	12.1	3
19095	19115	NHP-3	73/07/09		1.0			20.0	GRAB	BINO	8.5	360.0	72.90	3.0	0.0	8.7	1
20595	19115	NHP-3	73/07/24		1.0			20.0	GRAB	BINO	8.9	230.0	68.00	3.0	0.0	8.2	1
21995	19115	NHP-3	73/08/07		1.0			20.0	GRAB	BINO		345.0	78.80	4.0	0.0	9.5	2
23595	19115	NHP-3	73/08/22		1.0			20.0	GRAB	BINO	8.4	340.0	82.40	1.0	0.0	8.8	1
24789	19115	NHP-3	73/09/04		1.0			20.0	GRAB	BINO	8.4	370.0	86.00	5.0	0.0	7.9	3
26295	19115	NHP-3	73/09/19		1.0			20.0	GRAB	BINO	8.4	280.0	69.80	3.0	0.0	7.6	1
28295	19115	NHP-3	73/10/09		1.0			20.0	GRAB	BINO	8.3	260.0	66.00	0.0	0.5	9.4	2
29695	19115	NHP-3	73/10/23		1.0			20.0	GRAB	BINO	8.3		52.70	1.0	0.0	9.7	2
31295	19115	NHP-3	73/11/08		1.0			20.0	GRAB	BINO	8.0	235.0	48.20	0.0	0.5	10.2	2
32295	19115	NHP-3	73/11/18		1.0			20.0	GRAB	BINO	8.1	220.0	46.40	6.0	0.5	9.4	3
33890	19115	NHP-3	73/12/04		1.0			20.0	GRAB	BINO	8.0	240.0	44.60	0.0	1.5	10.6	2
34695	19115	NHP-3	73/12/12		1.0			20.0	GRAB	BINO	7.8	220.0	42.80	0.0	1.0	11.2	1

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	NP	HSD	TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16395	19115	NHP-3	73/06/12	8:15	1.0			20.0	GRAB	BINO	9	280	3	0.09	0.71	0.00	0.09
17895	19115	NHP-3	73/06/27	7:40	1.0			20.0	GRAB	BINO	8	341	1	0.09	0.37	0.00	0.04
19095	19115	NHP-3	73/07/09		1.0			20.0	GRAB	BINO	2	250	7	0.03	0.40	0.01	0.03
20595	19115	NHP-3	73/07/24		1.0			20.0	GRAB	BINO	7	210	1	0.03	0.25	0.00	0.02
21995	19115	NHP-3	73/08/07		1.0			20.0	GRAB	BINO	20	240	4	0.03	0.05	0.02	0.01
23595	19115	NHP-3	73/08/22		1.0			20.0	GRAB	BINO	13	201	7	0.00	0.50	0.00	0.01
24789	19115	NHP-3	73/09/04		1.0			20.0	GRAB	BINO	8	220	3	0.00	0.50	0.01	0.02
26295	19115	NHP-3	73/09/19		1.0			20.0	GRAB	BINO	55	220	1	0.00	0.45	0.01	0.02
28295	19115	NHP-3	73/10/09		1.0			20.0	GRAB	BINO	25	210	6	0.03	0.40	0.00	0.04
29695	19115	NHP-3	73/10/23		1.0			20.0	GRAB	BINO	23	200	2	0.05	0.50	0.03	0.03
31295	19115	NHP-3	73/11/08		1.0			20.0	GRAB	BINO		220	4	0.18	0.18	0.03	0.12
32295	19115	NHP-3	73/11/18		1.0			20.0	GRAB	BINO	3	270	6	0.28		0.02	0.04
33890	19115	NHP-3	73/12/04		1.0			20.0	GRAB	BINO	1	220	1	0.26		0.01	0.01
34695	19115	NHP-3	73/12/12		1.0			20.0	GRAB	BINO	8	210	11	0.33		0.02	0.05

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	NP	HSD	TYPE	FREQ	CHLA	SI
16395	19115	NHP-3	73/06/12	8:15	1.0			20.0	GRAB	BINO	10.0	0
17895	19115	NHP-3	73/06/27	7:40	1.0			20.0	GRAB	BINO	29.0	0
19095	19115	NHP-3	73/07/09		1.0			20.0	GRAB	BINO	6.6	0
20595	19115	NHP-3	73/07/24		1.0			20.0	GRAB	BINO	4.9	0
21995	19115	NHP-3	73/08/07		1.0			20.0	GRAB	BINO	10.0	0
23595	19115	NHP-3	73/08/22		1.0			20.0	GRAB	BINO	5.5	0
24789	19115	NHP-3	73/09/04		1.0			20.0	GRAB	BINO	2.7	5
26295	19115	NHP-3	73/09/19		1.0			20.0	GRAB	BINO	1.6	1
28295	19115	NHP-3	73/10/09		1.0			20.0	GRAB	BINO	1.6	
29695	19115	NHP-3	73/10/23		1.0			20.0	GRAB	BINO	3.8	
31295	19115	NHP-3	73/11/08		1.0			20.0	GRAB	BINO	0.6	
32295	19115	NHP-3	73/11/18		1.0			20.0	GRAB	BINO	2.2	
33890	19115	NHP-3	73/12/04		1.0			20.0	GRAB	BINO	1.3	
34695	19115	NHP-3	73/12/12		1.0			20.0	GRAB	BINO	3.3	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16394	19115	NHP-3	73/06/12	8:15	18.0			20.0	GRAB	BIHO	8.9	260.0	62.20	27.0		13.2	3
17694	19115	NHP-3	73/06/27	7:40	18.0			20.0	GRAB	BIHO	7.8	340.0	60.40	18.0	0.0	11.3	3
19094	19115	NHP-3	73/07/09		18.0			20.0	GRAB	BIHO	8.4	370.0	72.50	6.0	0.0	8.5	1
20594	19115	NHP-3	73/07/24		18.0			20.0	GRAB	BIHO	7.9	210.0	42.80	0.0	2.0	10.4	1
21994	19115	NHP-3	73/08/07		18.0			20.0	GRAB	BIHO		325.0	72.30	8.0	0.0	7.6	1
23594	19115	NHP-3	73/08/22		18.0			20.0	GRAB	BIHO	8.2	320.0	74.30	5.0	0.0	8.6	1
24788	19115	NHP-3	73/09/04		18.0			20.0	GRAB	BIHO	8.4	350.0	78.80	6.0	0.0	7.5	2
26294	19115	NHP-3	73/09/19		18.0			20.0	GRAB	BIHO	8.4	280.0	68.00	3.0	0.0	7.4	1
28294	19115	NHP-3	73/10/09		18.0			20.0	GRAB	BIHO	8.3	255.0	57.20	3.0	0.5	9.5	1
29694	19115	NHP-3	73/10/23		18.0			20.0	GRAB	BIHO	8.3		52.70	1.0	0.0	10.7	2
31294	19115	NHP-3	73/11/08		18.0			20.0	GRAB	BIHO	7.7	230.0	46.80	1.0		11.0	2
32294	19115	NHP-3	73/11/18		18.0			20.0	GRAB	BIHO	8.1	260.0	44.80	7.0	1.5	9.8	2
33889	19115	NHP-3	73/12/04		18.0			20.0	GRAB	BIHO	8.0	230.0	44.20	0.0	0.5	11.8	2
34694	19115	NHP-3	73/12/12		18.0			20.0	GRAB	BIHO	8.0	220.0	42.80	0.0	1.5	10.0	1

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD	TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16394	19115	NHP-3	73/06/12	8:15	18.0			20.0	GRAB	BIHO	46	250	120	0.32	1.24	0.01	0.16
17694	19115	NHP-3	73/06/27	7:40	18.0			20.0	GRAB	BIHO	16	390	76	0.28	0.82	0.07	0.47
19094	19115	NHP-3	73/07/09		18.0			20.0	GRAB	BIHO	3	290	4	0.03	0.85	0.01	0.03
20594	19115	NHP-3	73/07/24		18.0			20.0	GRAB	BIHO	5	220	2	0.21	0.25	0.02	0.01
21994	19115	NHP-3	73/08/07		18.0			20.0	GRAB	BIHO	13	240	23	0.06	0.10	0.01	0.02
23594	19115	NHP-3	73/08/22		18.0			20.0	GRAB	BIHO	18	206	8	0.00	0.70	0.01	0.01
24788	19115	NHP-3	73/09/04		18.0			20.0	GRAB	BIHO	26	210	4	0.01	0.35	0.01	0.01
26294	19115	NHP-3	73/09/19		18.0			20.0	GRAB	BIHO	5	230	2	0.01	0.25	0.01	0.02
28294	19115	NHP-3	73/10/09		18.0			20.0	GRAB	BIHO	13	230	4	0.07	0.40	0.00	0.01
29694	19115	NHP-3	73/10/23		18.0			20.0	GRAB	BIHO	28	230	2	0.03	0.50	0.01	0.03
31294	19115	NHP-3	73/11/08		18.0			20.0	GRAB	BIHO	3	270	7	0.14	0.46	0.02	0.05
32294	19115	NHP-3	73/11/18		18.0			20.0	GRAB	BIHO	10	290	12	0.28		0.03	0.04
33889	19115	NHP-3	73/12/04		18.0			20.0	GRAB	BIHO	4	230	1	0.33		0.02	0.01
34694	19115	NHP-3	73/12/12		18.0			20.0	GRAB	BIHO	0	250	7	0.33		0.00	0.04

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD	TYPE	FREQ	CHLA	SI
16394	19115	NHP-3	73/06/12	8:15	18.0			20.0	GRAB	BIHO	14.8	3
17694	19115	NHP-3	73/06/27	7:40	18.0			20.0	GRAB	BIHO	35.0	0
19094	19115	NHP-3	73/07/09		18.0			20.0	GRAB	BIHO	6.6	1
20594	19115	NHP-3	73/07/24		18.0			20.0	GRAB	BIHO	9.8	0
21994	19115	NHP-3	73/08/07		18.0			20.0	GRAB	BIHO	7.0	0
23594	19115	NHP-3	73/08/22		18.0			20.0	GRAB	BIHO	3.8	0
24788	19115	NHP-3	73/09/04		18.0			20.0	GRAB	BIHO	10.9	0
26294	19115	NHP-3	73/09/19		18.0			20.0	GRAB	BIHO	3.9	4
28294	19115	NHP-3	73/10/09		18.0			20.0	GRAB	BIHO	1.6	
29694	19115	NHP-3	73/10/23		18.0			20.0	GRAB	BIHO	2.7	
31294	19115	NHP-3	73/11/08		18.0			20.0	GRAB	BIHO	0.6	
32294	19115	NHP-3	73/11/18		18.0			20.0	GRAB	BIHO	1.6	
33889	19115	NHP-3	73/12/04		18.0			20.0	GRAB	BIHO	0.0	
34694	19115	NHP-3	73/12/12		18.0			20.0	GRAB	BIHO	2.2	



CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	HSD TYPE	FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16393	19115	NHP-4	73/06/12	8:00	2.0			60.0	GRAB BIHO	8.9	320.0	61.30	7.0		12.6	3
17893	19115	NHP-4	73/06/27	7:45	1.0			60.0	GRAB BIHO	8.0	80.0	64.90	4.0	0.0	12.4	3
19093	19115	NHP-4	73/07/09		1.0			60.0	GRAB BIHO	8.4	380.0	75.70	6.0	0.0	8.9	2
20593	19115	NHP-4	73/07/24		1.0			60.0	GRAB BIHO	9.1	300.0	71.80	3.0	0.0	9.3	1
21993	19115	NHP-4	73/08/07		1.0			60.0	GRAB BIHO		370.0	77.00	4.0	0.0	9.7	3
23593	19115	NHP-4	73/08/22		1.0			60.0	GRAB BIHO	8.4	305.0	71.60	3.0	0.0	8.6	1
24787	19115	NHP-4	73/09/04		1.0			60.0	GRAB BIHO	8.5	305.0	84.20	5.0	0.0	8.1	2
26293	19115	NHP-4	73/09/19		1.0			60.0	GRAB BIHO	8.4	230.0	68.00	5.0	0.0	7.7	2
28293	19115	NHP-4	73/10/09		1.0			60.0	GRAB BIHO	8.4	220.0	59.90	2.0	0.0	9.5	2
29693	19115	NHP-4	73/10/23		2.0			60.0	GRAB BIHO	8.2		52.70	0.0	0.0	9.9	2
31293	19115	NHP-4	73/11/08		1.0			60.0	GRAB BIHO	8.0	230.0	46.40	0.0	0.5	10.2	3
32293	19115	NHP-4	73/11/18		1.0			60.0	GRAB BIHO	8.2	220.0	46.00	3.0	1.0	10.8	2
33888	19115	NHP-4	73/12/04		1.0			60.0	GRAB BIHO	8.0	250.0	46.40	0.0	1.0	10.8	2
34693	19115	NHP-4	73/12/12		1.0			60.0	GRAB BIHO	7.9	210.0	43.00	0.0	1.0	10.4	2

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	HSD TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16393	19115	NHP-4	73/06/12	8:00	2.0			60.0	GRAB BIHO	9	325	1	0.06	0.77	0.00	0.08
17893	19115	NHP-4	73/06/27	7:45	1.0			60.0	GRAB BIHO	13	331	1	0.18	0.67	0.00	0.03
19093	19115	NHP-4	73/07/09		1.0			60.0	GRAB BIHO	6	260	7	0.06	0.65	0.01	0.03
20593	19115	NHP-4	73/07/24		1.0			60.0	GRAB BIHO	7	210	2	0.01	0.00	0.00	0.02
21993	19115	NHP-4	73/08/07		1.0			60.0	GRAB BIHO	15	240	5	0.03	0.15	0.00	0.00
23593	19115	NHP-4	73/08/22		1.0			60.0	GRAB BIHO	1	201	2	0.00	0.70	0.01	0.01
24787	19115	NHP-4	73/09/04		1.0			60.0	GRAB BIHO	22	210	3	0.01	0.25	0.01	0.01
26293	19115	NHP-4	73/09/19		1.0			60.0	GRAB BIHO	16	220	2	0.00	0.35	0.01	0.01
28293	19115	NHP-4	73/10/09		1.0			60.0	GRAB BIHO	60	210	3	0.04	0.50	0.00	0.03
29693	19115	NHP-4	73/10/23		2.0			60.0	GRAB BIHO	2	210	1	0.07	0.90	0.01	0.30
31293	19115	NHP-4	73/11/08		1.0			60.0	GRAB BIHO	3	210	3	0.17	0.15	0.02	0.07
32293	19115	NHP-4	73/11/18		1.0			60.0	GRAB BIHO	3	195	2	0.23		0.00	0.02
33888	19115	NHP-4	73/12/04		1.0			60.0	GRAB BIHO	0	210	1	0.31		0.01	0.01
34693	19115	NHP-4	73/12/12		1.0			60.0	GRAB BIHO	18	220	5	0.33		0.00	0.02

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	HSD TYPE	FREQ	CHLA	SI
16393	19115	NHP-4	73/06/12	8:00	2.0			60.0	GRAB BIHO	5.0	0
17893	19115	NHP-4	73/06/27	7:45	1.0			60.0	GRAB BIHO	27.0	0
19093	19115	NHP-4	73/07/09		1.0			60.0	GRAB BIHO	6.6	1
20593	19115	NHP-4	73/07/24		1.0			60.0	GRAB BIHO	13.0	0
21993	19115	NHP-4	73/08/07		1.0			60.0	GRAB BIHO	7.8	0
23593	19115	NHP-4	73/08/22		1.0			60.0	GRAB BIHO	6.0	0
24787	19115	NHP-4	73/09/04		1.0			60.0	GRAB BIHO	1.0	0
26293	19115	NHP-4	73/09/19		1.0			60.0	GRAB BIHO	10.1	7
28293	19115	NHP-4	73/10/09		1.0			60.0	GRAB BIHO	2.7	
29693	19115	NHP-4	73/10/23		2.0			60.0	GRAB BIHO	6.0	
31293	19115	NHP-4	73/11/08		1.0			60.0	GRAB BIHO	3.3	
32293	19115	NHP-4	73/11/18		1.0			60.0	GRAB BIHO	0.6	
33888	19115	NHP-4	73/12/04		1.0			60.0	GRAB BIHO	0.7	
34693	19115	NHP-4	73/12/12		1.0			60.0	GRAB BIHO	0.6	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	NP	MSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16392	19115	NHP-4	73/06/12	8:00	58.0			60.0	GRAB	BIHO	8.8	240.0	55.40	9.0		13.6	3
17892	19115	NHP-4	73/06/27	7:45	58.0			60.0	GRAB	BIHO	7.8	215.0	44.60	2.0	0.0	12.4	2
19092	19115	NHP-4	73/07/09		58.0			60.0	GRAB	BIHO	8.4	270.0	67.80	9.0	0.0	9.2	1
20592	19115	NHP-4	73/07/24		58.0			60.0	GRAB	BIHO	8.2	200.0	42.40	5.0	2.0	10.7	1
21992	19115	NHP-4	73/08/07		58.0			60.0	GRAB	BIHO		310.0	71.40	14.0	0.5	7.7	1
23592	19115	NHP-4	73/08/22		58.0			60.0	GRAB	BIHO	8.2	210.0	41.90	4.0	0.0	8.9	2
24786	19115	NHP-4	73/09/04		58.0			60.0	GRAB	BIHO	8.2	280.0	66.60	2.0	0.5	6.5	1
26292	19115	NHP-4	73/09/19		58.0			60.0	GRAB	BIHO	8.3	240.0	59.00	5.0	0.0	7.7	1
28292	19115	NHP-4	73/10/09		58.0			60.0	GRAB	BIHO	8.2	250.0	55.60	5.0	0.5	9.5	1
29692	19115	NHP-4	73/10/23		58.0			60.0	GRAB	BIHO	8.2		52.80	1.0	0.0	9.5	1
31292	19115	NHP-4	73/11/08		58.0			60.0	GRAB	BIHO	7.9	230.0	46.20	0.0		10.8	2
32292	19115	NHP-4	73/11/18		58.0			60.0	GRAB	BIHO	8.2		44.80	5.0	1.0	10.0	2
33887	19115	NHP-4	73/12/04		58.0			60.0	GRAB	BIHO	8.0	240.0	44.60	0.0	1.0	11.8	2
34692	19115	NHP-4	73/12/12		58.0			60.0	GRAB	BIHO	7.9	220.0	42.60	0.0	1.0	10.5	2

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	NP	MSD	TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16392	19115	NHP-4	73/06/12	8:00	58.0			60.0	GRAB	BIHO	7	275	3	0.09	0.92	0.00	0.02
17892	19115	NHP-4	73/06/27	7:45	58.0			60.0	GRAB	BIHO	12	252	0	0.32	0.77	0.00	0.03
19092	19115	NHP-4	73/07/09		58.0			60.0	GRAB	BIHO	1	220	17	0.00	0.45	0.01	0.02
20592	19115	NHP-4	73/07/24		58.0			60.0	GRAB	BIHO	3	220	2	0.21	0.00	0.02	0.01
21992	19115	NHP-4	73/08/07		58.0			60.0	GRAB	BIHO	16	250	51	0.06	0.15	0.02	0.02
23592	19115	NHP-4	73/08/22		58.0			60.0	GRAB	BIHO	9	220	2	0.30	0.60	0.01	0.02
24786	19115	NHP-4	73/09/04		58.0			60.0	GRAB	BIHO	22	165	1	0.02	0.25	0.01	0.01
26292	19115	NHP-4	73/09/19		58.0			60.0	GRAB	BIHO	20	230	3	0.04	0.50	0.00	0.03
28292	19115	NHP-4	73/10/09		58.0			60.0	GRAB	BIHO	24	210	11	0.09	1.00	0.01	0.04
29692	19115	NHP-4	73/10/23		58.0			60.0	GRAB	BIHO	35	210	2	0.09	0.30	0.01	0.01
31292	19115	NHP-4	73/11/08		58.0			60.0	GRAB	BIHO	8	230	3	0.14	0.20	0.01	0.02
32292	19115	NHP-4	73/11/18		58.0			60.0	GRAB	BIHO	8	210	6	0.22		0.01	0.02
33887	19115	NHP-4	73/12/04		58.0			60.0	GRAB	BIHO	5	195	0	0.27		0.02	0.01
34692	19115	NHP-4	73/12/12		58.0			60.0	GRAB	BIHO	14	240	3	0.29		0.00	0.03

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	NP	MSD	TYPE	FREQ	CHLA	SI
16392	19115	NHP-4	73/06/12	8:00	58.0			60.0	GRAB	BIHO	16.0	0
17892	19115	NHP-4	73/06/27	7:45	58.0			60.0	GRAB	BIHO	25.0	0
19092	19115	NHP-4	73/07/09		58.0			60.0	GRAB	BIHO	7.6	1
20592	19115	NHP-4	73/07/24		58.0			60.0	GRAB	BIHO	13.0	0
21992	19115	NHP-4	73/08/07		58.0			60.0	GRAB	BIHO	3.9	0
23592	19115	NHP-4	73/08/22		58.0			60.0	GRAB	BIHO	3.3	0
24786	19115	NHP-4	73/09/04		58.0			60.0	GRAB	BIHO	1.8	1
26292	19115	NHP-4	73/09/19		58.0			60.0	GRAB	BIHO	0.8	2
28292	19115	NHP-4	73/10/09		58.0			60.0	GRAB	BIHO	2.2	
29692	19115	NHP-4	73/10/23		58.0			60.0	GRAB	BIHO	6.0	
31292	19115	NHP-4	73/11/08		58.0			60.0	GRAB	BIHO	3.0	
32292	19115	NHP-4	73/11/18		58.0			60.0	GRAB	BIHO	1.1	
33887	19115	NHP-4	73/12/04		58.0			60.0	GRAB	BIHO	2.1	
34692	19115	NHP-4	73/12/12		58.0			60.0	GRAB	BIHO	2.2	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD TYPE	FREQ	PH	SPC	T	TUR	CO2	FDO	TBOD
16391	19115	NHP-5	73/06/12	7:30	1.0			20.0	GRAB BIHO	8.8	310.0	61.30	2.0		12.7	3
17191	19115	NHP-5	73/06/27	6:50	1.0			20.0	GRAB BIHO	7.9	310.0	58.10	5.0	0.0	11.5	4
19099	19115	NHP-5	73/07/09		1.0			20.0	GRAB BIHO	8.6	330.0	72.10	6.0	0.0	9.2	2
20599	19115	NHP-5	73/07/24		1.0			20.0	GRAB BIHO	9.0	300.0	73.00	3.0	0.0	8.3	1
21599	19115	NHP-5	73/08/07		1.0			20.0	GRAB BIHO	8.9	325.0	74.80	5.0	0.0	10.1	6
23599	19115	NHP-5	73/08/22		1.0			20.0	GRAB BIHO	8.1	300.0	71.80	4.0	0.0	6.9	1
24793	19115	NHP-5	73/09/04		1.0			20.0	GRAB BIHO	8.4	260.0	79.70	6.0	0.0	7.7	3
26299	19115	NHP-5	73/09/19		1.0			20.0	GRAB BIHO	8.2	260.0	66.20	3.0	0.0	7.6	2
28299	19115	NHP-5	73/10/09		1.0			20.0	GRAB BIHO	8.5	280.0	60.80	3.0	0.0	9.7	2
29699	19115	NHP-5	73/10/23		1.0			20.0	GRAB BIHO	8.3		52.60	1.0	0.5	10.4	2
31299	19115	NHP-5	73/11/08		1.0			20.0	GRAB BIHO	7.7	240.0	46.80	1.0	1.0	10.4	1
32299	19115	NHP-5	73/11/18		1.0			20.0	GRAB BIHO	7.7	235.0	44.60	5.0	1.0	10.3	2
33894	19115	NHP-5	73/12/04		1.0			20.0	GRAB BIHO	7.8	240.0	44.60	0.0	1.0	10.3	2
34699	19115	NHP-5	73/12/12		1.0			20.0	GRAB BIHO	7.8	220.0	42.60	0.0	2.4	9.6	3

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD TYPE	FREQ	TCOD	TS	TSS	NO2N	TKN	OP	TP
16391	19115	NHP-5	73/06/12	7:30	1.0			20.0	GRAB BIHO	7	300	16		1.01	0.00	0.57
17891	19115	NHP-5	73/06/27	6:50	1.0			20.0	GRAB BIHO	12	309	0		0.67	0.00	0.04
19099	19115	NHP-5	73/07/09		1.0			20.0	GRAB BIHO	8	230	4		0.86	0.04	0.02
20599	19115	NHP-5	73/07/24		1.0			20.0	GRAB BIHO	6	220	2		0.50	0.01	0.28
21599	19115	NHP-5	73/08/07		1.0			20.0	GRAB BIHO	28	240	8		0.50	0.00	0.03
23599	19115	NHP-5	73/08/22		1.0			20.0	GRAB BIHO	0	209	8		0.40	0.00	0.03
24793	19115	NHP-5	73/09/04		1.0			20.0	GRAB BIHO	25	185	3		0.35	0.01	0.01
26299	19115	NHP-5	73/09/19		1.0			20.0	GRAB BIHO	45	220	1		0.25	0.01	0.05
28299	19115	NHP-5	73/10/09		1.0			20.0	GRAB BIHO	30	210	3		0.40	0.00	0.05
29699	19115	NHP-5	73/10/23		1.0			20.0	GRAB BIHO	6	220	1		0.60	0.01	0.02
31299	19115	NHP-5	73/11/08		1.0			20.0	GRAB BIHO		240	7		0.15	0.01	0.03
32299	19115	NHP-5	73/11/18		1.0			20.0	GRAB BIHO	5	230	6		0.01	0.01	0.02
33894	19115	NHP-5	73/12/04		1.0			20.0	GRAB BIHO	11	230	2		0.01	0.01	0.01
34699	19115	NHP-5	73/12/12		1.0			20.0	GRAB BIHO	11	220	3		0.01	0.04	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD TYPE	FREQ	CHLA	SI
16391	19115	NHP-5	73/06/12	7:30	1.0			20.0	GRAB BIHO	18.0	1
17891	19115	NHP-5	73/06/27	6:50	1.0			20.0	GRAB BIHO	13.0	0
19099	19115	NHP-5	73/07/09		1.0			20.0	GRAB BIHO	12.0	0
20599	19115	NHP-5	73/07/24		1.0			20.0	GRAB BIHO	11.0	0
21599	19115	NHP-5	73/08/07		1.0			20.0	GRAB BIHO	18.0	0
23599	19115	NHP-5	73/08/22		1.0			20.0	GRAB BIHO	3.8	0
24793	19115	NHP-5	73/09/04		1.0			20.0	GRAB BIHO	7.3	0
26299	19115	NHP-5	73/09/19		1.0			20.0	GRAB BIHO	0.6	6
28299	19115	NHP-5	73/10/09		1.0			20.0	GRAB BIHO	2.2	
29699	19115	NHP-5	73/10/23		1.0			20.0	GRAB BIHO	1.6	
31299	19115	NHP-5	73/11/08		1.0			20.0	GRAB BIHO	0.6	
32299	19115	NHP-5	73/11/18		1.0			20.0	GRAB BIHO	1.1	
33894	19115	NHP-5	73/12/04		1.0			20.0	GRAB BIHO	1.1	
34699	19115	NHP-5	73/12/12		1.0			20.0	GRAB BIHO	1.1	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16390	19115	NHP-5	73/06/12	7:30	18.0			20.0	GRAB	BIHO	8.8	270.0	59.00	18.0		13.4	3
17890	19115	NHP-5	73/06/27	6:50	18.0			20.0	GRAB	BIHO	7.8	240.0	48.00	37.0	1.9	10.4	3
19098	19115	NHP-5	73/07/09		18.0			20.0	GRAB	BIHO	8.5	330.0	72.10	6.0	0.0	9.2	2
20598	19115	NHP-5	73/07/24		18.0			20.0	GRAB	BIHO	7.8	230.0	47.30	6.0	4.0	10.2	1
21998	19115	NHP-5	73/08/07		18.0			20.0	GRAB	BIHO		320.0	73.60	3.0	0.0	8.1	2
23598	19115	NHP-5	73/08/22		18.0			20.0	GRAB	BIHO	8.4	300.0	73.40	1.0	0.0	9.0	1
24792	19115	NHP-5	73/09/04		18.0			20.0	GRAB	BIHO	8.4	320.0	73.40	6.0	0.0	6.4	2
26298	19115	NHP-5	73/09/19		18.0			20.0	GRAB	BIHO	8.4	270.0	66.20	5.0	0.0	7.4	1
28298	19115	NHP-5	73/10/09		18.0			20.0	GRAB	BIHO	8.4	280.0	60.40	2.0	0.0	9.6	1
29698	19115	NHP-5	73/10/23		18.0			20.0	GRAB	BIHO	8.3		52.60	5.0	0.0	10.0	2
31298	19115	NHP-5	73/11/08		18.0			20.0	GRAB	BIHO	7.8	235.0	46.80	3.0	0.5	10.1	2
32298	19115	NHP-5	73/11/18		18.0			20.0	GRAB	BIHO	8.0	330.0	42.80	9.0	1.5	10.5	3
33893	19115	NHP-5	73/12/04		18.0			20.0	GRAB	BIHO	7.9	250.0	43.00	1.0	0.5	10.6	2
34698	19115	NHP-5	73/12/12		18.0			20.0	GRAB	BIHO	8.0	235.0	42.60	0.0	1.9	10.4	2

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD	TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16390	19115	NHP-5	73/06/12	7:30	18.0			20.0	GRAB	BIHO	9	245	1	0.08	1.07	0.00	0.23
17890	19115	NHP-5	73/06/27	6:50	18.0			20.0	GRAB	BIHO	22	452	163	0.40	1.23	0.08	0.53
19098	19115	NHP-5	73/07/09		18.0			20.0	GRAB	BIHO	6	230	6	0.00	0.50	0.00	0.02
20598	19115	NHP-5	73/07/24		18.0			20.0	GRAB	BIHO	4	200	2	0.13	0.20	0.01	0.04
21998	19115	NHP-5	73/08/07		18.0			20.0	GRAB	BIHO	15	230	5	0.09	0.25	0.00	0.02
23598	19115	NHP-5	73/08/22		18.0			20.0	GRAB	BIHO	1	215	2	0.00	0.40	0.00	0.03
24792	19115	NHP-5	73/09/04		18.0			20.0	GRAB	BIHO	24	210	6	0.00	0.25	0.00	0.02
26298	19115	NHP-5	73/09/19		18.0			20.0	GRAB	BIHO	40	220	1	0.00	0.55	0.01	0.03
28298	19115	NHP-5	73/10/09		18.0			20.0	GRAB	BIHO	50	220	4	0.01	0.40	0.00	0.02
29698	19115	NHP-5	73/10/23		18.0			20.0	GRAB	BIHO		220	35	0.06	0.50	0.02	0.02
31298	19115	NHP-5	73/11/08		18.0			20.0	GRAB	BIHO	5	230	5	0.20	0.20	0.01	0.06
32298	19115	NHP-5	73/11/18		18.0			20.0	GRAB	BIHO	8	330	60	0.30		0.03	0.05
33893	19115	NHP-5	73/12/04		18.0			20.0	GRAB	BIHO	3	230	3	0.32		0.01	0.02
34698	19115	NHP-5	73/12/12		18.0			20.0	GRAB	BIHO	13	190	23	0.32		0.01	0.03

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD	TYPE	FREQ	CHLA	SI
16390	19115	NHP-5	73/06/12	7:30	18.0			20.0	GRAB	BIHO	2.0	0
17890	19115	NHP-5	73/06/27	6:50	18.0			20.0	GRAB	BIHO	37.0	2
19098	19115	NHP-5	73/07/09		18.0			20.0	GRAB	BIHO	4.9	0
20598	19115	NHP-5	73/07/24		18.0			20.0	GRAB	BIHO	10.0	0
21998	19115	NHP-5	73/08/07		18.0			20.0	GRAB	BIHO	12.0	0
23598	19115	NHP-5	73/08/22		18.0			20.0	GRAB	BIHO	2.2	0
24792	19115	NHP-5	73/09/04		18.0			20.0	GRAB	BIHO	6.8	2
26298	19115	NHP-5	73/09/19		18.0			20.0	GRAB	BIHO	0.6	4
28298	19115	NHP-5	73/10/09		18.0			20.0	GRAB	BIHO	1.4	
29698	19115	NHP-5	73/10/23		18.0			20.0	GRAB	BIHO	0.6	
31298	19115	NHP-5	73/11/08		18.0			20.0	GRAB	BIHO	2.2	
32298	19115	NHP-5	73/11/18		18.0			20.0	GRAB	BIHO	1.1	
33893	19115	NHP-5	73/12/04		18.0			20.0	GRAB	BIHO	0.0	
34698	19115	NHP-5	73/12/12		18.0			20.0	GRAB	BIHO	2.7	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16389	19115	NHP-6	73/06/12	7:45	2.0			60.0	GRAB	BIHO	8.8	300.0	60.80	12.0		13.0	3
17889	19115	NHP-6	73/06/27	7:10	1.0			60.0	GRAB	BIHO	8.0	310.0	59.50	5.0	0.0	12.3	3
19097	19115	NHP-6	73/07/09		1.0			60.0	GRAB	BIHO	8.6	300.0	71.60	3.0	0.0	9.3	1
20597	19115	NHP-6	73/07/24		1.0			60.0	GRAB	BIHO	9.0	290.0	71.10	3.0	0.0	9.0	2
21997	19115	NHP-6	73/08/07		1.0			60.0	GRAB	BIHO		345.0	74.80	3.0	0.0	10.4	3
23597	19115	NHP-6	73/08/22		1.0			60.0	GRAB	BIHO	8.4	300.0	72.50	3.0	0.0	9.9	2
24791	19115	NHP-6	73/09/04		1.0			60.0	GRAB	BIHO	8.4	325.0	79.70	5.0	0.0	8.1	0
26297	19115	NHP-6	73/09/19		1.0			60.0	GRAB	BIHO	8.4	245.0	67.10	3.0	0.0	7.1	2
28297	19115	NHP-6	73/10/09		1.0			60.0	GRAB	BIHO	8.5	255.0	60.80	3.0	0.0	9.6	1
29697	19115	NHP-6	73/10/23		2.0			60.0	GRAB	BIHO	8.3		52.60	1.0	0.0	10.1	3
31297	19115	NHP-6	73/11/08		1.0			60.0	GRAB	BIHO	7.9	230.0	46.80	1.0	1.0	9.9	2
32297	19115	NHP-6	73/11/18		1.0			60.0	GRAB	BIHO	8.1	220.0	45.50	3.0	1.0	10.5	2
33692	19115	NHP-6	73/12/04		1.0			60.0	GRAB	BIHO	7.9	240.0	43.70	0.0	1.0	10.8	3
34697	19115	NHP-6	73/12/12		1.0			60.0	GRAB	BIHO	8.0	225.0	42.80	0.0	1.0	9.6	2

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD	TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16389	19115	NHP-6	73/06/12	7:45	2.0			60.0	GRAB	BIHO	10	290	1	0.06	1.01	0.00	0.05
17889	19115	NHP-6	73/06/27	7:10	1.0			60.0	GRAB	BIHO	10	289	4	0.07	0.76	0.00	0.04
19097	19115	NHP-6	73/07/09		1.0			60.0	GRAB	BIHO	1	210	3	0.00	0.65	0.01	0.02
20597	19115	NHP-6	73/07/24		1.0			60.0	GRAB	BIHO	6	230	3	0.02	0.45	0.00	0.02
21997	19115	NHP-6	73/08/07		1.0			60.0	GRAB	BIHO	13	200	5	0.03	0.15	0.00	0.03
23597	19115	NHP-6	73/08/22		1.0			60.0	GRAB	BIHO	9	209	4	0.00	0.40	0.00	0.03
24791	19115	NHP-6	73/09/04		1.0			60.0	GRAB	BIHO	40	175	3	0.00	0.60	0.00	0.04
26297	19115	NHP-6	73/09/19		1.0			60.0	GRAB	BIHO	30	210	1	0.00	0.50	0.01	0.02
28297	19115	NHP-6	73/10/09		1.0			60.0	GRAB	BIHO	22	200	2	0.01	0.50	0.00	0.05
29697	19115	NHP-6	73/10/23		2.0			60.0	GRAB	BIHO		210	5	0.01	0.60	0.01	0.04
31297	19115	NHP-6	73/11/08		1.0			60.0	GRAB	BIHO	14	220	4	0.15	0.20	0.01	0.10
32297	19115	NHP-6	73/11/18		1.0			60.0	GRAB	BIHO	6	210	14	0.23		0.00	0.05
33692	19115	NHP-6	73/12/04		1.0			60.0	GRAB	BIHO	18	230	2	0.32		0.01	0.02
34697	19115	NHP-6	73/12/12		1.0			60.0	GRAB	BIHO	2	210	3	0.27		0.00	0.02

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	MSD	TYPE	FREQ	CHLA	SI
16389	19115	NHP-6	73/06/12	7:45	2.0			60.0	GRAB	BIHO	5.0	0
17889	19115	NHP-6	73/06/27	7:10	1.0			60.0	GRAB	BIHO	13.0	0
19097	19115	NHP-6	73/07/09		1.0			60.0	GRAB	BIHO	7.6	1
20597	19115	NHP-6	73/07/24		1.0			60.0	GRAB	BIHO	15.0	0
21997	19115	NHP-6	73/08/07		1.0			60.0	GRAB	BIHO	12.0	0
23597	19115	NHP-6	73/08/22		1.0			60.0	GRAB	BIHO	0.6	0
24791	19115	NHP-6	73/09/04		1.0			60.0	GRAB	BIHO	3.6	0
26297	19115	NHP-6	73/09/19		1.0			60.0	GRAB	BIHO	0.8	0
28297	19115	NHP-6	73/10/09		1.0			60.0	GRAB	BIHO	3.3	
29697	19115	NHP-6	73/10/23		2.0			60.0	GRAB	BIHO	2.2	
31297	19115	NHP-6	73/11/08		1.0			60.0	GRAB	BIHO	2.7	
32297	19115	NHP-6	73/11/18		1.0			60.0	GRAB	BIHO	0.6	
33692	19115	NHP-6	73/12/04		1.0			60.0	GRAB	BIHO	0.0	
34697	19115	NHP-6	73/12/12		1.0			60.0	GRAB	BIHO	1.6	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP.	KSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16388	19115	NHP-6	73/06/12	7:45	58.0			60.0	GRAB	BIHO	8.9	255.0	57.20	12.0		13.8	3
17888	19115	NHP-6	73/06/27	7:10	58.0			60.0	GRAB	BIHO	8.0	205.0	42.40	2.0	2.4	11.5	1
19096	19115	NHP-6	73/07/09		58.0			60.0	GRAB	BIHO	8.6	300.0	70.90	9.0	0.0	8.7	1
20596	19115	NHP-6	73/07/24		58.0			60.0	GRAB	BIHO	8.3	200.0	43.70	0.0	2.5	11.3	1
21996	19115	NHP-6	73/08/07		58.0			60.0	GRAB	BIHO		310.0	72.90	4.0	0.0	8.3	1
23596	19115	NHP-6	73/08/22		58.0			60.0	GRAB	BIHO	8.0	220.0	43.30	1.0	1.5	10.2	1
24790	19115	NHP-6	73/09/04		58.0			60.0	GRAB	BIHO	8.1	280.0	69.80	3.0	1.0	5.8	1
26296	19115	NHP-6	73/09/19		58.0			60.0	GRAB	BIHO	8.4	280.0	68.00	3.0	0.0	7.2	1
28296	19115	NHP-6	73/10/09		58.0			60.0	GRAB	BIHO	8.2	255.0	55.60	20.0	1.0	8.9	1
29696	19115	NHP-6	73/10/23		58.0			60.0	GRAB	BIHO	8.2		52.50	1.0	0.5	9.8	5
31296	19115	NHP-6	73/11/08		58.0			60.0	GRAB	BIHO	7.9	230.0	46.80	0.0	1.0	10.6	2
32296	19115	NHP-6	73/11/18		58.0			60.0	GRAB	BIHO	8.1	300.0	43.90	6.0	1.5	10.4	2
33891	19115	NHP-6	73/12/04		58.0			60.0	GRAB	BIHO	7.9	240.0	43.70	1.0	1.0	11.7	2
34696	19115	NHP-6	73/12/12		58.0			60.0	GRAB	BIHO	8.0	225.0	42.60	5.0	1.0	9.2	2

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	KSD	TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16388	19115	NHP-6	73/06/12	7:45	58.0			60.0	GRAB	BIHO	9	355	1	0.06	0.93	0.00	0.91
17888	19115	NHP-6	73/06/27	7:10	58.0			60.0	GRAB	BIHO	9	240	1	0.17	0.61	0.01	0.03
19096	19115	NHP-6	73/07/09		58.0			60.0	GRAB	BIHO	7	220	22	0.09	0.40	0.03	0.03
20596	19115	NHP-6	73/07/24		58.0			60.0	GRAB	BIHO	2	220	2	0.23	0.05	0.01	0.01
21996	19115	NHP-6	73/08/07		58.0			60.0	GRAB	BIHO	14	220	4	0.03	0.15	0.00	0.00
23596	19115	NHP-6	73/08/22		58.0			60.0	GRAB	BIHO	6	223	3	0.09	0.45	0.01	0.03
24790	19115	NHP-6	73/09/04		58.0			60.0	GRAB	BIHO	8	165	4	0.00	0.35	0.01	0.01
26296	19115	NHP-6	73/09/19		58.0			60.0	GRAB	BIHO	45	210	1	0.00	0.20	0.01	0.02
28296	19115	NHP-6	73/10/09		58.0			60.0	GRAB	BIHO	6	250	85	0.09	0.70	0.01	0.10
29696	19115	NHP-6	73/10/23		58.0			60.0	GRAB	BIHO		210	3	0.06	0.80	0.01	0.01
31296	19115	NHP-6	73/11/08		58.0			60.0	GRAB	BIHO	13	250	3	0.18	0.15	0.03	0.17
32296	19115	NHP-6	73/11/18		58.0			60.0	GRAB	BIHO	3	250	12	0.25		0.01	0.02
33891	19115	NHP-6	73/12/04		58.0			60.0	GRAB	BIHO	7	230	2	0.28		0.01	0.03
34696	19115	NHP-6	73/12/12		58.0			60.0	GRAB	BIHO	6	230	75	0.28		0.01	0.05

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	KSD	TYPE	FREQ	CHLA	SI
16388	19115	NHP-6	73/06/12	7:45	58.0			60.0	GRAB	BIHO	4.0	0
17888	19115	NHP-6	73/06/27	7:10	58.0			60.0	GRAB	BIHO	45.0	0
19096	19115	NHP-6	73/07/09		58.0			60.0	GRAB	BIHO	4.9	0
20596	19115	NHP-6	73/07/24		58.0			60.0	GRAB	BIHO	8.2	0
21996	19115	NHP-6	73/08/07		58.0			60.0	GRAB	BIHO	6.2	0
23596	19115	NHP-6	73/08/22		58.0			60.0	GRAB	BIHO	8.7	0
24790	19115	NHP-6	73/09/04		58.0			60.0	GRAB	BIHO	1.0	2
26296	19115	NHP-6	73/09/19		58.0			60.0	GRAB	BIHO	0.8	6
28296	19115	NHP-6	73/10/09		58.0			60.0	GRAB	BIHO	0.6	
29696	19115	NHP-6	73/10/23		58.0			60.0	GRAB	BIHO	4.4	
31296	19115	NHP-6	73/11/08		58.0			60.0	GRAB	BIHO	1.1	
32296	19115	NHP-6	73/11/18		58.0			60.0	GRAB	BIHO	1.1	
33891	19115	NHP-6	73/12/04		58.0			60.0	GRAB	BIHO	0.0	
34696	19115	NHP-6	73/12/12		58.0			60.0	GRAB	BIHO	0.6	

# 1973 DATA

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	FDJ	TRGD	TCCD	TTC
8899	19115	NMP-7	73/03/29		1.0			20.0	GRAB	MO	7.8		84.0		1	5	
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO	7.3	41.90	91.0		2	3	
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	8.0	52.70	93.0	11.4		15	4
17887	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	8.6	65.50	90.0	11.8		11	
20587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	8.8	73.80	84.0	8.7	2	9	10
24053	19115	NMP-7	73/08/26		1.0			20.0	GRAB	MO	8.4	81.70	81.0	8.4	1	4	2
26393	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	7.9	64.40	89.0	7.9	2	20	6
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO	8.3	59.60	88.0	7.5	2	30	6
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO	5.2	44.20	96.0	10.2	3	4	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TDS	TSS	NO3N	TKN	OP	TP	CL
8899	19115	NMP-7	73/03/29		1.0			20.0	GRAB	MO	250	7	0.03	0.70	0.04	0.08	70
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO	240	1	0.19	0.68	0.00	0.01	26
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	320	3	0.17	0.25	0.00	0.00	52
17887	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	330	2	0.18	0.69	0.00	0.05	48
20587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	290	4	0.06	0.10	0.01	0.01	22
24053	19115	NMP-7	73/08/26		1.0			20.0	GRAB	MO	250	9	0.05	0.35	0.01	0.02	31
26393	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	250	2	0.20	0.15	0.01	0.04	31
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO	185	16	0.00	0.70	0.01	0.03	31
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO	220	1	0.18	0.15	0.01	0.05	32

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	CU	FE	MN	ZN	TCOL	FCCL
8899	19115	NMP-7	73/03/29		1.0			20.0	GRAB	MO	0.730	0.270		0.052	0	
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO	0.290	0.230		0.000	0	
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	0.710	0.140	0.020	0.030		
17887	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	0.630	0.100	0.000	0.633	175	1
20587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	0.730	0.360	0.140	0.000	40	0
24053	19115	NMP-7	73/08/26		1.0			20.0	GRAB	MO	0.600	0.210	0.030		19	0
26393	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	0.630	0.220	0.000	0.714	153	0
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO	0.630	0.630	0.000	0.041	136	3
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO	0.620	0.080	0.000	0.010	39	10

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SPC	TH	COL	TUR	TS	TVS	NH2N
8899	19115	NMP-7	73/03/29		1.0			20.0	GRAB	MO	335.0	127	10	3.0	260	40	0.0
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO	312.0	138	10	6.5	240	55	
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	330.0		5	6.0	325	110	0.0
17887	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	350.0			2.0	330		0.1
20587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	330.0			6.0	200	50	0.0
24053	19115	NMP-7	73/08/26		1.0			20.0	GRAB	MO			5	3.0	210	80	
26393	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	270.0	147	5	1.0	200	85	0.0
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO		139	5	5.0	200	155	0.2
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO	235.0		5	0.0	220	50	0.0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	URSN	PHL	SO4	F	CA	SETP	SUR
8899	19115	NMP-7	73/03/29		1.0			20.0	GRAB	MO	0.00	0.015	23				
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO		0.077	20				
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	0.20	0.075	32		0.2		0.10
17887	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	0.35		30	0.1	0.0		0.01
20587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	0.10	0.060	31	0.1	0.0	0.0	0.03
24053	19115	NMP-7	73/08/26		1.0			20.0	GRAB	MO		0.017	20	0.1	0.0	0.0	0.05
26393	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	0.15	0.000	30	0.1	0.0	0.0	0.05
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO		0.114	26	0.2	0.0	0.0	0.01
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO		0.000	26		0.0	0.0	0.01

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	AG	AL	AS	BA	BE	CD	CP
8899	19115	NMP-7	73/03/29		1.0			20.0	GRAB	MO					0.005	0.000	0.000
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO		0.000			0.000	0.000	0.000
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	0.000	0.000		0.170	0.000	0.000	0.000
17447	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO		0.000			0.000	0.000	0.000
27587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	0.000	0.000		0.250	0.000	0.000	0.000
24093	19115	NMP-7	73/08/28		1.0			20.0	GRAB	MO	0.000	0.000		0.000	0.000	0.000	0.000
26993	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO	0.000	0.000	0.000	0.000	0.000	0.000	0.000
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO	0.000	0.000	0.000	0.000	0.000	0.000	0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	MG	K	MG	NA	NI	PB	SE
8899	19115	NMP-7	73/03/29		1.0			20.0	GRAB	MO	0.000	1.350	6.870	11.670	0.000	0.000	
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO		1.630	6.570	13.120	0.040	0.000	
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	0.000	2.130	9.130	27.820	0.060	0.000	
17447	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	0.000	1.770	9.600	26.400	0.000	0.000	
27587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO		2.260	9.000	13.470	0.080	0.000	
24093	19115	NMP-7	73/08/28		1.0			20.0	GRAB	MO		1.480	13.900	0.000	0.000		
26993	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO		1.850	10.910	0.190	0.000		
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO		2.220	20.570				
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO		2.210	8.920	9.660	0.000	0.050	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SI	V
8899	19115	NMP-7	73/03/29		1.0			20.0	GRAB	MO		0.000
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO		0.300
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	1	
17447	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	0	0.300
27587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO		0.000
24093	19115	NMP-7	73/08/28		1.0			20.0	GRAB	MO	1	0.600
26993	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	0	
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO		
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO		0.600



CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	FDO	TBCD	TCOD	TTCC
8898	19115	NMP-7	73/03/29		18.C			20.0	GRAB	MO	7.9		79.0		1	10	
11792	19115	NMP-7	73/04/28	6:30	13.C			20.0	GRAB	MC	7.5	41.90	77.0		2	6	
15292	19115	NMP-7	73/06/01	8:15	13.0			20.0	GRAB	MO	7.5	50.70	96.0	12.1		16	4
17886	19115	NMP-7	73/06/27	8:00	13.C			20.0	GRAB	MO	6.5	59.60	92.0	11.0		18	
20586	19115	NMP-7	73/07/24		13.0			20.0	GRAB	MO	6.7	71.60	93.0	8.6	1	14	9
24092	19115	NMP-7	73/08/28		13.0			20.0	GRAB	MO	6.2	74.00	76.0	8.2	1	18	3
26892	19115	NMP-7	73/09/25		13.C			20.0	GRAB	MO	6.0	52.70	97.0	9.1	1	27	6
30392	19115	NMP-7	73/10/30		13.C			20.0	GRAB	MO	6.2	49.60	89.0	8.6	1	12	4
33192	19115	NMP-7	73/11/27		13.C			20.0	GRAB	MO	6.5	44.10	106.0	10.5	2	35	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TDS	TSS	NO3N	TKN	CP	TP	CL
8898	19115	NMP-7	73/03/29		18.C			20.0	GRAB	MO	225	5	0.02	1.00	0.00	0.06	65
11792	19115	NMP-7	73/04/28	6:30	13.0			20.0	GRAB	MO	245	2	0.22	1.28	0.00	0.01	27
15292	19115	NMP-7	73/06/01	8:15	13.C			20.0	GRAB	MO	290	1	0.28	0.35	0.00	0.03	42
17886	19115	NMP-7	73/06/27	8:00	13.C			20.0	GRAB	MO	370	53	0.28	0.57	0.05	0.08	43
20586	19115	NMP-7	73/07/24		13.0			20.0	GRAB	MO	290	3	0.04	0.00	0.00	0.01	29
24092	19115	NMP-7	73/08/28		13.0			20.0	GRAB	MO	210	13	0.05	0.55	0.01	0.38	31
26892	19115	NMP-7	73/09/25		13.0			20.0	GRAB	MO	220	1	0.19	0.20	0.01	0.04	31
30392	19115	NMP-7	73/10/30		13.C			20.0	GRAB	MO	175	26	0.00	0.90	0.01	0.02	30
33192	19115	NMP-7	73/11/27		13.0			20.0	GRAB	MO	240	2	0.16	0.00	0.02	0.05	33

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	CU	FE	MN	ZN	TCOL	FCOL
8898	19115	NMP-7	73/03/29		18.C			20.0	GRAB	MO	0.030	0.270		0.052		
11792	19115	NMP-7	73/04/28	6:30	13.C			20.0	GRAB	MO	0.410	0.120		0.000	0	
15292	19115	NMP-7	73/06/01	8:15	13.0			20.0	GRAB	MO	0.100	0.010	0.000	0.026		0
17886	19115	NMP-7	73/06/27	8:00	13.C			20.0	GRAB	MO	0.010	0.000	0.030	0.110	150	0
20586	19115	NMP-7	73/07/24		13.0			20.0	GRAB	MO	0.020	0.000	0.200	0.310	10	0
24092	19115	NMP-7	73/08/28		13.C			20.0	GRAB	MO	0.080	0.280	0.030		45	0
26892	19115	NMP-7	73/09/25		13.C			20.0	GRAB	MO	0.020	0.000	0.040	0.009	145	9
30392	19115	NMP-7	73/10/30		13.C			20.0	GRAB	MO	0.030	0.000	0.020	0.030	25	9
33192	19115	NMP-7	73/11/27		13.C			20.0	GRAB	MO	0.030	0.000	0.000	0.013	20	2

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SPC	TH	COL	TUR	TS	TVS	NH3N
8898	19115	NMP-7	73/03/29		13.C			20.0	GRAB	MO	330.0	152	10	3.0	232	75	0.0
11792	19115	NMP-7	73/04/28	6:30	13.C			20.0	GRAB	MO	348.0	139	10	5.2	245	55	
15292	19115	NMP-7	73/06/01	8:15	13.C			20.0	GRAB	MO	280.0		0	5.0	290	100	0.0
17886	19115	NMP-7	73/06/27	8:00	13.0			20.0	GRAB	MO	335.0			5.0	425		0.0
20586	19115	NMP-7	73/07/24		13.0			20.0	GRAB	MO	300.0			5.0	200	90	0.0
24092	19115	NMP-7	73/08/28		13.C			20.0	GRAB	MO			5	3.0	220	50	0.1
26892	19115	NMP-7	73/09/25		13.0			20.0	GRAB	MO	240.0	155	5	1.0	220	75	0.0
30392	19115	NMP-7	73/10/30		13.0			20.0	GRAB	MO		136	5	5.0	200	60	0.1
33192	19115	NMP-7	73/11/27		13.0			20.0	GRAB	MO	235.0		5	0.0	240	90	0.0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	ORJN	PHL	SO4	F	CA	SETR	SUP
8898	19115	NMP-7	73/03/29		13.C			20.0	GRAB	MO	1.00	0.100	23				
11792	19115	NMP-7	73/04/28	6:30	13.C			20.0	GRAB	MO		0.077	29				
15292	19115	NMP-7	73/06/01	8:15	13.0			20.0	GRAB	MO	0.35	0.010	30		0.0		0.12
17886	19115	NMP-7	73/06/27	8:00	13.0			20.0	GRAB	MO	0.50		38		0.0		0.00
20586	19115	NMP-7	73/07/24		13.C			20.0	GRAB	MO	0.00	0.007	27	0.1	0.0	0.0	0.03
24092	19115	NMP-7	73/08/28		13.C			20.0	GRAB	MO		0.053	29	0.1	0.0	0.0	0.04
26892	19115	NMP-7	73/09/25		13.0			20.0	GRAB	MO	0.20	0.009	34	0.1	0.0	0.0	0.05
30392	19115	NMP-7	73/10/30		13.0			20.0	GRAB	MO		0.000	28	0.2	0.0	0.0	0.04
33192	19115	NMP-7	73/11/27		13.C			20.0	GRAB	MO		0.000	27			0.0	0.02

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	AG	AL	AS	BA	BE	CG	CP
8998	19115	NMP-7	73/03/29		18.C			20.7	GRAB	MO					0.004	C.CC0	C.CC0
11792	19115	NMP-7	73/04/28	6:30	18.0			20.3	GRAB	MO		0.000			0.000	0.000	0.020
15292	19115	NMP-7	73/06/01	8:15	19.0			20.7	GRAB	MO	0.030	0.030		0.170	0.000	C.015	0.000
17586	19115	NMP-7	73/06/27	8:00	19.0			20.3	GRAB	MO		0.030			0.036	0.000	0.000
20586	19115	NMP-7	73/07/24		19.C			20.3	GRAB	MO	0.030	0.030		0.030	0.014	0.021	0.000
24092	19115	NMP-7	73/08/28		18.0			20.7	GRAB	MO	0.030	0.030		0.030	0.000	0.000	0.000
26392	19115	NMP-7	73/09/25		19.C			20.3	GRAB	MO	0.030		0.000	0.030	0.011	0.020	C.030
30392	19115	NMP-7	73/10/30		19.0			20.7	GRAB	MO	0.030		0.000	0.000	0.000	C.000	0.000
33192	19115	NMP-7	73/11/27		18.0			20.3	GRAB	MO	0.000	0.000	0.000		C.000	C.000	0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	HG	K	HG	NA	NI	PB	SE
8998	19115	NMP-7	73/03/29		18.C			20.0	GRAB	MO	0.000	1.397	8.400	13.370	0.050	C.000	
11792	19115	NMP-7	73/04/28	6:30	18.0			20.3	GRAB	MO		1.540	6.670	13.650	0.000	C.000	
15292	19115	NMP-7	73/06/01	8:15	19.C			20.3	GRAB	MO	0.000	2.220	7.670	22.400	0.020	C.000	
17586	19115	NMP-7	73/06/27	8:00	19.0			20.3	GRAB	MO	0.030	1.990	8.400	19.800	0.000	0.000	
20586	19115	NMP-7	73/07/24		19.C			20.3	GRAB	MO		2.240	9.220	13.300	0.050	0.000	
24092	19115	NMP-7	73/08/28		18.0			20.7	GRAB	MO		1.490		14.200	0.000	C.000	
26392	19115	NMP-7	73/09/25		18.0			20.7	GRAB	MO		1.820		11.310	0.200		
30392	19115	NMP-7	73/10/30		19.C			20.3	GRAB	MO		2.140		19.800			
33192	19115	NMP-7	73/11/27		18.0			20.3	GRAB	MO		2.250	8.000	8.950	0.000	C.000	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SI	V
8998	19115	NMP-7	73/03/29		18.C			20.7	GRAB	MO		0.000
11792	19115	NMP-7	73/04/28	6:30	19.C			20.3	GRAB	MO		0.000
15292	19115	NMP-7	73/06/01	8:15	19.C			20.0	GRAB	MO	0	
17586	19115	NMP-7	73/06/27	8:00	18.C			20.3	GRAB	MO	0	0.000
20586	19115	NMP-7	73/07/24		18.C			20.3	GRAB	MO		0.000
24092	19115	NMP-7	73/08/28		19.C			20.0	GRAB	MO	0	0.000
26392	19115	NMP-7	73/09/25		19.0			20.7	GRAB	MO	0	
30392	19115	NMP-7	73/10/30		19.0			20.3	GRAB	MO		
33192	19115	NMP-7	73/11/27		18.0			20.7	GRAB	MO		0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	FOO	TBCD	TCCD	TTCC
8897	19115	NMP-6	73/03/29		1.0			45.0	GRAB	MO	7.8		87.0		1	8	
11791	19115	NMP-6	73/04/28	7:15	1.0			45.0	GRAB	MO	7.1	41.50	94.0			6	
15291	19115	NMP-6	73/06/01	8:25	1.0			45.0	GRAB	MO	8.3	52.70	112.0	11.3		15	1
17885	19115	NMP-6	73/06/27	8:10	1.0			45.0	GRAB	MO	9.7	63.50	85.0	12.2		12	
20585	19115	NMP-6	73/07/24		1.0			45.0	GRAB	MO	8.8	75.50	94.0	9.1	3	6	10
24091	19115	NMP-6	73/08/28		1.0			45.0	GRAB	MO	8.5	74.50	84.0	8.5	1	3	2
26891	19115	NMP-6	73/09/25		1.0			45.0	GRAB	MO	8.1	59.00	84.0	7.6	1	18	9
30391	19115	NMP-6	73/10/30		1.0			45.0	GRAB	MO	7.9	50.20	84.0	17.1	1	7	7
33191	19115	NMP-6	73/11/27		1.0			45.0	GRAB	MO	6.7	44.20	107.0	10.8	2	14	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TDS	TSS	ND3N	TKN	OP	TP	CL
8897	19115	NMP-6	73/03/29		1.0			45.0	GRAB	MO	190	1	0.02	0.50	0.01	0.09	70
11791	19115	NMP-6	73/04/28	7:15	1.0			45.0	GRAB	MO	230	5	0.19	0.36	0.01	0.02	26
15291	19115	NMP-6	73/06/01	8:25	1.0			45.0	GRAB	MO	330	5	0.39	0.35	0.01	0.06	53
17885	19115	NMP-6	73/06/27	8:10	1.0			45.0	GRAB	MO	335	3	0.18	0.64	0.00	0.08	49
20585	19115	NMP-6	73/07/24		1.0			45.0	GRAB	MO	210	4	0.04	0.00	0.01	0.02	30
24091	19115	NMP-6	73/08/28		1.0			45.0	GRAB	MO	200	2	0.00	0.35	0.00	0.02	30
26891	19115	NMP-6	73/09/25		1.0			45.0	GRAB	MO	210	2	0.12	0.20	0.00	0.02	34
30391	19115	NMP-6	73/10/30		1.0			45.0	GRAB	MO	210	7	0.14	0.70	0.00	0.03	36
33191	19115	NMP-6	73/11/27		1.0			45.0	GRAB	MO	230	1	0.16	0.15	0.01	0.03	33

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	CU	FE	MN	ZN	TCOL	FCCL
8897	19115	NMP-6	73/03/29		1.0			45.0	GRAB	MO	0.010	0.170		0.008	4	
11791	19115	NMP-6	73/04/28	7:15	1.0			45.0	GRAB	MO	0.310	0.040		0.000	0	
15291	19115	NMP-6	73/06/01	8:25	1.0			45.0	GRAB	MO	0.030	0.190	0.120	0.000		95
17885	19115	NMP-6	73/06/27	8:10	1.0			45.0	GRAB	MO	0.010	0.000	0.000	0.018	165	0
20585	19115	NMP-6	73/07/24		1.0			45.0	GRAB	MO	0.020	0.000	0.120	0.000	35	0
24091	19115	NMP-6	73/08/28		1.0			45.0	GRAB	MO	0.000	0.031	0.000		26	0
26891	19115	NMP-6	73/09/25		1.0			45.0	GRAB	MO	0.000	0.000	0.040	0.010	52	4
30391	19115	NMP-6	73/10/30		1.0			45.0	GRAB	MO	0.040	0.030	0.000	0.035	40	21
33191	19115	NMP-6	73/11/27		1.0			45.0	GRAB	MO	0.000	0.000	0.000	0.007	29	0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SPC	TH	COL	TUR	TS	TVS	NH3N
8897	19115	NMP-6	73/03/29		1.0			45.0	GRAB	MO	320.0	146	10	2.0	150	15	0.0
11791	19115	NMP-6	73/04/28	7:15	1.0			45.0	GRAB	MO	337.0	141	10	6.0	235	45	
15291	19115	NMP-6	73/06/01	8:25	1.0			45.0	GRAB	MO	340.0		10	6.0	335	100	0.0
17885	19115	NMP-6	73/06/27	8:10	1.0			45.0	GRAB	MO	370.0			2.0	340		0.1
20585	19115	NMP-6	73/07/24		1.0			45.0	GRAB	MO	300.0			6.0	210	110	0.0
24091	19115	NMP-6	73/08/28		1.0			45.0	GRAB	MO		5		3.0	200	85	0.2
26891	19115	NMP-6	73/09/25		1.0			45.0	GRAB	MO	255.0	157	5	1.0	210	75	0.0
30391	19115	NMP-6	73/10/30		1.0			45.0	GRAB	MO		5		5.0	220	55	
33191	19115	NMP-6	73/11/27		1.0			45.0	GRAB	MO	240.0		5	0.0	230	95	0.0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	ORON	PHL	SO4	F	CN	SETR	SUR
8897	19115	NMP-6	73/03/29		1.0			45.0	GRAB	MO	0.50	0.080	24				
11791	19115	NMP-6	73/04/28	7:15	1.0			45.0	GRAB	MO		0.094	24				
15291	19115	NMP-6	73/06/01	8:25	1.0			45.0	GRAB	MO	0.35	0.050	32		0.0		0.11
17885	19115	NMP-6	73/06/27	8:10	1.0			45.0	GRAB	MO	0.50		39	0.1	0.0		0.00
20585	19115	NMP-6	73/07/24		1.0			45.0	GRAB	MO	0.00	0.076	27	0.1	0.0	0.0	0.00
24091	19115	NMP-6	73/08/28		1.0			45.0	GRAB	MO		0.033	28	0.1	0.0	0.0	0.00
26891	19115	NMP-6	73/09/25		1.0			45.0	GRAB	MO	0.00	0.000	31	0.1	0.0	0.0	0.00
30391	19115	NMP-6	73/10/30		1.0			45.0	GRAB	MO		0.000	28	0.2	0.0	0.0	0.00
33191	19115	NMP-6	73/11/27		1.0			45.0	GRAB	MO		0.000	24			0.0	0.00

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	AG	AL	AS	BA	BE	CD	CR
8897	19115	NMP-8	73/03/29		1.0			45.0	GRAB	MO					0.000	0.000	0.000
11791	19115	NMP-8	73/04/28	7:15	1.0			45.0	GRAB	MO		0.000			0.000	0.000	0.000
15291	19115	NMP-8	73/06/01	8:25	1.0			45.0	GRAB	MO	0.000	0.100		0.330	0.000	0.000	0.000
17885	19115	NMP-8	73/06/27	8:10	1.0			45.0	GRAB	MO		0.000			0.000	0.000	0.000
20585	19115	NMP-8	73/07/24		1.0			45.0	GRAB	MO	0.000	0.071		0.080	0.000	0.000	0.000
24291	19115	NMP-8	73/08/28		1.0			45.0	GRAB	MO	0.000	0.000		0.000	0.000	0.000	0.000
26891	19115	NMP-8	73/09/25		1.0			45.0	GRAB	MO	0.000		0.000	0.000	0.000	0.000	0.000
30391	19115	NMP-8	73/10/30		1.0			45.0	GRAB	MO	0.000		0.000	0.000	0.000	0.000	0.000
33191	19115	NMP-8	73/11/27		1.0			45.0	GRAB	MO	0.000	0.000	0.000		0.000	0.000	0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	HG	K	HG	NA	NI	PB	SE
8897	19115	NMP-8	73/03/29		1.0			45.0	GRAB	MO	0.000	1.320	8.400	12.800	0.000	0.000	
11791	19115	NMP-8	73/04/28	7:15	1.0			45.0	GRAB	MO		1.610	6.070	13.150	0.000	0.000	
15291	19115	NMP-8	73/06/01	8:25	1.0			45.0	GRAB	MO	0.000	2.350	9.000	28.200	0.000	0.000	
17885	19115	NMP-8	73/06/27	8:10	1.0			45.0	GRAB	MO	0.000	1.670	8.900	21.600	0.000	0.000	
20585	19115	NMP-8	73/07/24		1.0			45.0	GRAB	MO		2.260	9.340	13.200	0.000	0.000	0
24291	19115	NMP-8	73/08/28		1.0			45.0	GRAB	MO		1.440		13.300	0.000	0.000	
26891	19115	NMP-8	73/09/25		1.0			45.0	GRAB	MO		1.820		12.000	0.000	0.000	
30391	19115	NMP-8	73/10/30		1.0			45.0	GRAB	MO		2.280		22.300			
33191	19115	NMP-8	73/11/27		1.0			45.0	GRAB	MO		2.350	8.220	9.340	0.000	0.000	0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SI	V
8897	19115	NMP-8	73/03/29		1.0			45.0	GRAB	MO		0.000
11791	19115	NMP-8	73/04/28	7:15	1.0			45.0	GRAB	MO		0.000
15291	19115	NMP-8	73/06/01	8:25	1.0			45.0	GRAB	MO	0	0.000
17885	19115	NMP-8	73/06/27	8:10	1.0			45.0	GRAB	MO	0	0.000
20585	19115	NMP-8	73/07/24		1.0			45.0	GRAB	MO		0.000
24291	19115	NMP-8	73/08/28		1.0			45.0	GRAB	MO	0	0.000
26891	19115	NMP-8	73/09/25		1.0			45.0	GRAB	MO	0	
30391	19115	NMP-8	73/10/30		1.0			45.0	GRAB	MO		
33191	19115	NMP-8	73/11/27		1.0			45.0	GRAB	MO		0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD TYPE FREQ	PH	T	ALK	FDO	TBOD	TCOD	TTOC
8896	19115	NHP-8	73/03/29		43.0			45.0 GRAB NO	7.6		85.0		0	8	
11790	19115	NHP-8	73/04/28	7:15	43.0			45.0 GRAB NO	7.3	40.00	76.0		2	12	
15290	19115	NHP-8	73/06/01	8:25	43.0			45.0 GRAB NO	8.0	50.00	97.0	12.0		13	0
17884	19115	NHP-8	73/06/27	8:10	43.0			45.0 GRAB NO	8.6	48.60	88.0	10.8		12	
20564	19115	NHP-8	73/07/24		43.0			45.0 GRAB NO	8.8	68.00	86.0	9.0	1	4	9
24090	19115	NHP-8	73/08/28		43.0			45.0 GRAB NO	8.2	74.00	80.0	8.2	1		4
26890	19115	NHP-8	73/09/25		43.0			45.0 GRAB NO	7.9	44.60	93.0	8.2	2	26	10
30390	19115	NHP-8	73/10/30		43.0			45.0 GRAB NO	8.0	51.20	86.0	10.0	1	6	
33190	19115	NHP-8	73/11/27		43.0			45.0 GRAB NO	6.8	44.60	92.0	10.4	2	5	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD TYPE FREQ	TDS	TSS	NO3N	TKN	OP	TP	CL
8896	19115	NHP-8	73/03/29		43.0			45.0 GRAB NO	210	7	0.02	0.50	0.00	0.05	60
11790	19115	NHP-8	73/04/28	7:15	43.0			45.0 GRAB NO	225	3	0.19	1.20	0.00	0.01	27
15290	19115	NHP-8	73/06/01	8:25	43.0			45.0 GRAB NO	295	3	0.00	0.80	0.00	0.01	41
17884	19115	NHP-8	73/06/27	8:10	43.0			45.0 GRAB NO	345	3	0.23	0.89	0.00	0.05	48
20564	19115	NHP-8	73/07/24		43.0			45.0 GRAB NO	200	3	0.04	0.10	0.00	0.17	27
24090	19115	NHP-8	73/08/28		43.0			45.0 GRAB NO	200	40	0.20	0.30	0.00	0.06	30
26890	19115	NHP-8	73/09/25		43.0			45.0 GRAB NO	210	1	0.33	0.20	0.03	0.06	28
30390	19115	NHP-8	73/10/30		43.0			45.0 GRAB NO	210	5	0.14	0.10	0.01	0.02	28
33190	19115	NHP-8	73/11/27		43.0			45.0 GRAB NO	220	2	0.26	0.20	0.01	0.03	33

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD TYPE FREQ	CU	FE	HN	ZN	TCOL	FCOL
8896	19115	NHP-8	73/03/29		43.0			45.0 GRAB NO	0.030	0.190		0.034		
11790	19115	NHP-8	73/04/28	7:15	43.0			45.0 GRAB NO	0.290	0.730		0.000	0	
15290	19115	NHP-8	73/06/01	8:25	43.0			45.0 GRAB NO	0.080	0.000	0.270	0.041		5
17884	19115	NHP-8	73/06/27	8:10	43.0			45.0 GRAB NO	0.030	0.020	0.000	0.168	170	1
20564	19115	NHP-8	73/07/24		43.0			45.0 GRAB NO	0.030	0.000	0.030	0.000	20	0
24090	19115	NHP-8	73/08/28		43.0			45.0 GRAB NO	0.000	0.030	0.020		23	0
26890	19115	NHP-8	73/09/25		43.0			45.0 GRAB NO	0.020	0.150	0.070	0.012	240	2
30390	19115	NHP-8	73/10/30		43.0			45.0 GRAB NO	0.040	0.060	0.000	0.060	19	4
33190	19115	NHP-8	73/11/27		43.0			45.0 GRAB NO	0.030	0.100	0.010	0.017	18	5

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD TYPE FREQ	SPC	TH	COL	TUR	TS	TVS	NH3N
8896	19115	NHP-8	73/03/29		43.0			45.0 GRAB NO	330.0	175	10	4.0	220	30	0.0
11790	19115	NHP-8	73/04/28	7:15	43.0			45.0 GRAB NO	323.0	139	10	5.4	230	50	
15290	19115	NHP-8	73/06/01	8:25	43.0			45.0 GRAB NO	270.0		5	5.0	300	150	0.0
17884	19115	NHP-8	73/06/27	8:10	43.0			45.0 GRAB NO	240.0			1.0	350		0.1
20564	19115	NHP-8	73/07/24		43.0			45.0 GRAB NO	290.0			6.0	200	90	0.0
24090	19115	NHP-8	73/08/28		43.0			45.0 GRAB NO			5	14.0	240	95	0.0
26890	19115	NHP-8	73/09/25		43.0			45.0 GRAB NO	240.0	160	5	1.0	210	65	0.0
30390	19115	NHP-8	73/10/30		43.0			45.0 GRAB NO			5	3.0	210	50	
33190	19115	NHP-8	73/11/27		43.0			45.0 GRAB NO	240.0		5	0.0	220	90	0.0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD TYPE FREQ	ORGN	PHL	SO4	F	CN	SETR	SUR
8896	19115	NHP-8	73/03/29		43.0			45.0 GRAB NO	0.50	0.080	25				
11790	19115	NHP-8	73/04/28	7:15	43.0			45.0 GRAB NO		0.047	23				
15290	19115	NHP-8	73/06/01	8:25	43.0			45.0 GRAB NO	0.80	0.000	29		0.0		0.10
17884	19115	NHP-8	73/06/27	8:10	43.0			45.0 GRAB NO	0.75		39	0.1	0.0		0.00
20564	19115	NHP-8	73/07/24		43.0			45.0 GRAB NO	0.10	0.000	25	0.1	0.0	0.0	0.03
24090	19115	NHP-8	73/08/28		43.0			45.0 GRAB NO		0.007	34	0.1	0.0	0.0	0.02
26890	19115	NHP-8	73/09/25		43.0			45.0 GRAB NO	0.20	0.000	37	0.1	0.0	0.0	0.01
30390	19115	NHP-8	73/10/30		43.0			45.0 GRAB NO		0.000	23			0.0	0.03
33190	19115	NHP-8	73/11/27		43.0			45.0 GRAB NO		0.000	23			0.0	0.01

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD TYPE FREQ	AG	AL	AS	BA	BE	CD	CR
8896	19115	NHP-8	73/03/29		43.0			45.0 GRAB NO					0.003	0.000	0.000
11790	19115	NHP-8	73/04/28	7:15	43.0			45.0 GRAB NO		0.000			0.000	0.000	0.000
15290	19115	NHP-8	73/06/01	8:25	43.0			45.0 GRAB NO	0.000	0.000		0.130	0.000	0.010	0.000
17884	19115	NHP-8	73/06/27	8:10	43.0			45.0 GRAB NO		0.000			0.000	0.000	0.000
20584	19115	NHP-8	73/07/24		43.0			45.0 GRAB NO	0.000	0.036		0.000	0.000	0.000	0.040
24090	19115	NHP-8	73/08/28		43.0			45.0 GRAB NO	0.004	0.000		0.000	0.000	0.000	0.000
26890	19115	NHP-8	73/09/25		43.0			45.0 GRAB NO	0.003		0.000	0.000	0.007	0.000	0.000
30390	19115	NHP-8	73/10/30		43.0			45.0 GRAB NO							
33190	19115	NHP-8	73/11/27		43.0			45.0 GRAB NO	0.000	0.000	0.000		0.000	0.000	0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD TYPE FREQ	HG	X	HG	NA	NI	PB	SE
8896	19115	NHP-8	73/03/29		43.0			45.0 GRAB NO	0.000	1.350	10.100	14.600	0.000	0.000	
11790	19115	NHP-8	73/04/28	7:15	43.0			45.0 GRAB NO		1.470	6.670	13.000	0.030	0.080	
15290	19115	NHP-8	73/06/01	8:25	43.0			45.0 GRAB NO	0.000	2.320	8.200	21.200	0.020	0.130	
17884	19115	NHP-8	73/06/27	8:10	43.0			45.0 GRAB NO	0.000	1.650	9.200	22.400	0.000	0.000	
20584	19115	NHP-8	73/07/24		43.0			45.0 GRAB NO		2.220	9.700	12.400	0.030	0.000	0
24090	19115	NHP-8	73/08/28		43.0			45.0 GRAB NO		1.490		13.400	0.080	0.000	
26890	19115	NHP-8	73/09/25		43.0			45.0 GRAB NO		1.770		10.030	0.000		
30390	19115	NHP-8	73/10/30		43.0			45.0 GRAB NO							
33190	19115	NHP-8	73/11/27		43.0			45.0 GRAB NO		2.370	8.220	9.060	0.009	0.000	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	HP	HSD TYPE FREQ	SI	V
8896	19115	NHP-8	73/03/29		43.0			45.0 GRAB NO		0.000
11790	19115	NHP-8	73/04/28	7:15	43.0			45.0 GRAB NO		0.000
15290	19115	NHP-8	73/06/01	8:25	43.0			45.0 GRAB NO	7	
17884	19115	NHP-8	73/06/27	8:10	43.0			45.0 GRAB NO	0	0.300
20584	19115	NHP-8	73/07/24		43.0			45.0 GRAB NO		0.000
24090	19115	NHP-8	73/08/28		43.0			45.0 GRAB NO	1	0.000
26890	19115	NHP-8	73/09/25		43.0			45.0 GRAB NO	1	
30390	19115	NHP-8	73/10/30		43.0			45.0 GRAB NO		
33190	19115	NHP-8	73/11/27		43.0			45.0 GRAB NO		0.000

JDE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	FOU	TBCD	TCCD	TYOC
595	19115	NMP-9	73/03/29						GRAB	MO	7.8		80.0		1	5	
739	19115	NMP-9	73/04/28	11:30					GRAB	MO	7.7	41.40	91.0		1	5	
299	19115	NMP-9	73/06/01	8:30					GRAB	MO	8.0	54.40	97.0			12	2
EP3	19115	NMP-9	73/06/27	8:05					GRAB	MO	8.5	62.00	105.0	11.7		15	
523	19115	NMP-9	73/07/24						GRAB	MO	8.4	72.00	85.0	8.0	1	7	9
087	19115	NMP-9	73/08/28						GRAB	MO	8.3	76.00	80.0	9.0	1		3
865	19115	NMP-9	73/09/25						GRAB	MO	8.0	58.60	30.0	9.0	1	24	4
789	19115	NMP-9	73/10/30						GRAB	MO	8.2	52.90	89.0	10.2	3	19	5
145	19115	NMP-9	73/11/27						GRAB	MO	8.8	45.00	102.0	11.7	3	6	
197	19115	NMP-9	73/12/27						GRAB	MO	7.6	41.90	92.0	12.8	3	6	

JDE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TDS	TSS	NO3N	TKN	OP	TP	CL
3995	19115	NMP-9	73/03/29						GRAB	MO	150	11	0.02	0.70	0.00	0.05	70
1789	19115	NMP-9	73/04/28	11:30					GRAB	MO	230	5	0.15	1.10	0.00	0.01	27
5209	19115	NMP-9	73/06/01	8:30					GRAB	MO	235	5	0.00	0.55	0.00	0.02	40
7883	19115	NMP-9	73/06/27	8:05					GRAB	MO	375	3	0.18	0.74	0.00	0.05	43
0593	19115	NMP-9	73/07/24						GRAB	MO	217	4	0.06	0.10	0.01	0.01	28
4785	19115	NMP-9	73/08/28						GRAB	MO	200	12	0.05	0.35	0.01	0.02	29
6889	19115	NMP-9	73/09/25						GRAB	MO	217	3	0.24	0.50	0.01	0.04	31
0389	19115	NMP-9	73/10/30						GRAB	MO	195	14	0.00	1.40	0.00	0.01	30
3189	19115	NMP-9	73/11/27						GRAB	MO	230	3	0.27	0.25	0.01	0.02	33
6197	19115	NMP-9	73/12/27						GRAB	MO	240	2	0.30		0.01	0.04	42

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	CU	FE	MN	ZN	TCOL	ECOL
8995	19115	NMP-9	73/03/29						GRAB	MO	0.032	0.280		0.069		
11789	19115	NMP-9	73/04/28	11:30					GRAB	MO	0.390	0.300		0.000	0	
15209	19115	NMP-9	73/06/01	8:30					GRAB	MO	0.010	0.260	0.000	0.000		11
17883	19115	NMP-9	73/06/27	8:05					GRAB	MO	0.090	0.000	0.000	0.005	430	5
20583	19115	NMP-9	73/07/24						GRAB	MO	0.010	0.000	0.000	0.000	20	0
24089	19115	NMP-9	73/08/28						GRAB	MO	0.070	0.020	0.030		20	0
26389	19115	NMP-9	73/09/25						GRAB	MO	0.020	0.000	0.050	0.049	46	2
30389	19115	NMP-9	73/10/30						GRAB	MO	0.060	0.000	0.010	0.065	85	3
33189	19115	NMP-9	73/11/27						GRAB	MO	0.040	0.350	0.010	0.508	129	2
36197	19115	NMP-9	73/12/27						GRAB	MO	0.030	0.160	0.030	0.538	17	1

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SPC	TH	COL	TUR	TS	TVS	NH3N
8995	19115	NMP-9	73/03/29						GRAB	MO	330.0	130	10	2.0	170	80	0.0
11789	19115	NMP-9	73/04/28	11:30					GRAB	MO	334.0	115	10	5.6	235	30	0.0
15209	19115	NMP-9	73/06/01	8:30					GRAB	MO			0	4.0	290	140	0.0
17883	19115	NMP-9	73/06/27	8:05					GRAB	MO				4.0	380		0.0
20583	19115	NMP-9	73/07/24						GRAB	MO				6.0	210	90	0.0
24089	19115	NMP-9	73/08/28						GRAB	MO				5.0	210	90	0.0
26389	19115	NMP-9	73/09/25						GRAB	MO		152	5	1.0	210	80	0.0
30389	19115	NMP-9	73/10/30						GRAB	MO		134	5	0.0	210	75	0.1
33189	19115	NMP-9	73/11/27						GRAB	MO			5	0.0	230	95	0.0
36197	19115	NMP-9	73/12/27						GRAB	MO			5	2.0	240	50	0.0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	NO3N	PHL	SD4	F	CK	SETR	SUR
8995	19115	NMP-9	73/03/29						GRAB	MO	0.70	0.080	24				
11789	19115	NMP-9	73/04/28	11:30					GRAB	MO		0.094	25				
15209	19115	NMP-9	73/06/01	8:30					GRAB	MO	0.55	0.000	33		0.0		0.11
17883	19115	NMP-9	73/06/27	8:05					GRAB	MO	0.70		38	0.1	0.0		0.00
20583	19115	NMP-9	73/07/24						GRAB	MO		0.076	29	0.1	0.0	0.0	0.03
24089	19115	NMP-9	73/08/28						GRAB	MO		0.037	32	0.1	0.0	0.0	0.04
26389	19115	NMP-9	73/09/25						GRAB	MO	0.50	0.000	32	0.1	0.0	0.0	0.02
30389	19115	NMP-9	73/10/30						GRAB	MO		0.000	25	0.2	0.0	0.0	0.01
33189	19115	NMP-9	73/11/27						GRAB	MO		0.000	25			0.0	0.01
36197	19115	NMP-9	73/12/27						GRAB	MO		0.000	27			0.0	0.17

CNDF	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	AG	AL	AS	BA	BE	CD	CR
8895	19115	NMP-9	73/03/29					GRAB MO						0.020	0.000	0.000
11789	19115	NMP-9	73/04/28	11:30				GRAB MO		0.000				0.000	0.000	0.000
15289	19115	NMP-9	73/06/01	6:30				GRAB MO	0.012	0.000		0.000		0.000	0.000	0.000
17883	19115	NMP-9	73/06/27	8:05				GRAB MO		0.000				0.000	0.000	0.000
20583	19115	NMP-9	73/07/24					GRAB MO	0.000	0.273		0.000		0.000	0.015	0.020
24089	19115	NMP-9	73/08/28					GRAB MO	0.000	0.000		0.000		0.000	0.000	0.000
24889	19115	NMP-9	73/09/25					GRAB MO	0.000	0.000	0.000	0.000		0.000	0.000	0.000
30389	19115	NMP-9	73/10/30					GRAB MO	0.000					0.000	0.000	0.000
33189	19115	NMP-9	73/11/27					GRAB MO	0.000	0.000				0.000	0.000	0.000
36197	19115	NMP-9	73/12/27					GRAB MO	0.000					0.000	0.000	0.000

CNDF	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	MG	K	MG	NA	NI	PB	SE
8895	19115	NMP-9	73/03/29					GRAB MO	0.000	1.350	7.400	11.500	0.000	0.125		
11789	19115	NMP-9	73/04/28	11:30				GRAB MO		1.480	0.320	13.600	0.000	0.000		
15289	19115	NMP-9	73/06/01	6:30				GRAB MO	0.020	2.050	8.300	23.200	0.000	0.240		
17883	19115	NMP-9	73/06/27	8:05				GRAB MO	0.000	1.600	9.400	22.800	0.000	0.000		
20583	19115	NMP-9	73/07/24					GRAB MO		2.240	9.440	13.200	0.000	0.000		
24089	19115	NMP-9	73/08/28					GRAB MO		1.470		13.900	0.000	0.000		
24889	19115	NMP-9	73/09/25					GRAB MO		1.930		11.440	0.000			
30389	19115	NMP-9	73/10/30					GRAB MO		2.330		20.200				
33189	19115	NMP-9	73/11/27					GRAB MO		2.350	8.160	9.910	0.000	0.000		
36197	19115	NMP-9	73/12/27					GRAB MO		1.740	7.900	31.600				

CNDF	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	SI	V
8895	19115	NMP-9	73/03/29					GRAB MO		0.000	
11789	19115	NMP-9	73/04/28	11:30				GRAB MO		0.000	
15289	19115	NMP-9	73/06/01	6:30				GRAB MO	0		
17883	19115	NMP-9	73/06/27	8:05				GRAB MO	0	0.000	
20583	19115	NMP-9	73/07/24					GRAB MO		0.000	
24089	19115	NMP-9	73/08/28					GRAB MO	0	0.300	
24889	19115	NMP-9	73/09/25					GRAB MO	0		
30389	19115	NMP-9	73/10/30					GRAB MO			
33189	19115	NMP-9	73/11/27					GRAB MO		0.000	
36197	19115	NMP-9	73/12/27					GRAB MO		0.000	



CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	PH	T	ALK	FDO	TBOC	TCOD	TTOC
8993	19115	NMP-10	73/03/29					GRAB MO		7.9		83.0		1	5	
11787	19115	NMP-10	73/04/28	11:30				GRAB MO		7.7	44.80	94.0		1	3	
15287	19115	NMP-10	73/06/01	6:30				GRAB MO		8.0	54.50	96.0			15	0
17981	19115	NMP-10	73/06/27	8:15				GRAB MO		8.5	87.30	91.0	11.5		12	
20581	19115	NMP-10	73/07/24					7DCO MO		8.3	107.40	93.0	7.9	1	13	10
24088	19115	NMP-10	73/08/28					GRAB MO		8.5	103.00	81.0	8.7	1		1
26887	19115	NMP-10	73/09/25					GRAB MO		6.9	85.80	87.0	9.9	1	26	7
30387	19115	NMP-10	73/10/30					GRAB MO		8.3	76.30	83.0	9.9	1	30	4
33187	19115	NMP-10	73/11/27					GRAB MO		6.7	44.60	73.0	11.8	2	9	
36195	19115	NMP-10	73/12/27					GRAB MO		7.6	66.20	91.0	12.6	2	6	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	TDS	TSS	NO3N	TAN	OP	TP	CL
8993	19115	NMP-10	73/03/29					GRAB MO		230	10	0.02	0.30	0.01	0.05	65
11787	19115	NMP-10	73/04/28	11:30				GRAB MO		235	3	0.09	0.97	0.00	0.01	27
15287	19115	NMP-10	73/06/01	6:30				GRAB MO		230	0	0.00	0.40	0.01	0.02	41
17981	19115	NMP-10	73/06/27	8:15				GRAB MO		525	3	0.18	0.75	0.00	0.04	39
20581	19115	NMP-10	73/07/24					7DCO MO		250	3	0.06	0.50	0.00	0.02	28
24088	19115	NMP-10	73/08/28					GRAB MO		230	2	0.05	0.45	0.01	0.02	30
26887	19115	NMP-10	73/09/25					GRAB MO		210	2	0.19	0.75	0.00	0.07	31
30387	19115	NMP-10	73/10/30					GRAB MO		195	16	0.01	0.55	0.01	0.08	30
33187	19115	NMP-10	73/11/27					GRAB MO		250	3	0.25	0.40	0.02	0.04	33
36195	19115	NMP-10	73/12/27					GRAB MO		230	3	0.30		0.01	0.04	42

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	CU	FE	MN	ZV	TCCL	FCCL
8993	19115	NMP-10	73/03/29					GRAB MO		0.250	0.240		0.060		
11787	19115	NMP-10	73/04/28	11:30				GRAB MO		0.230	1.920		0.000	0	
15287	19115	NMP-10	73/06/01	6:30				GRAB MO		0.140	0.230	0.180	0.000		550
17981	19115	NMP-10	73/06/27	8:15				GRAB MO		0.000	0.000	0.020	0.005	220	0
20581	19115	NMP-10	73/07/24					7DCO MO		0.000	0.000	0.150	0.000	5	0
24088	19115	NMP-10	73/08/28					GRAB MO		0.000	0.000	0.010		24	0
26887	19115	NMP-10	73/09/25					GRAB MO		0.000	0.000	0.000	0.049	89	7
30387	19115	NMP-10	73/10/30					GRAB MO		0.000	0.000	0.000	0.077	83	0
33187	19115	NMP-10	73/11/27					GRAB MO		0.000	0.000	0.000	0.174	53	4
36195	19115	NMP-10	73/12/27					GRAB MO		0.130	0.130	0.190	0.071	91	9

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	SPC	TH	COL	TUR	TS	TVS	NH3N
8993	19115	NMP-10	73/03/29					GRAB MO		320.0	153	10	2.0	210	40	0.0
11787	19115	NMP-10	73/04/28	11:30				GRAB MO		341.0	115	0	4.5	240	65	0.0
15287	19115	NMP-10	73/06/01	6:30				GRAB MO				5	4.0	240	60	0.0
17981	19115	NMP-10	73/06/27	8:15				GRAB MO					4.0	530		0.1
20581	19115	NMP-10	73/07/24					7DCO MO					7.0	260	110	0.0
24088	19115	NMP-10	73/08/28					GRAB MO				5	3.0	230	75	0.0
26887	19115	NMP-10	73/09/25					GRAB MO			160	5	2.0	210	55	0.0
30387	19115	NMP-10	73/10/30					GRAB MO			132	5	2.0	210	70	0.1
33187	19115	NMP-10	73/11/27					GRAB MO				5	0.0	250	75	0.0
36195	19115	NMP-10	73/12/27					GRAB MO				5	3.0	230	55	0.1

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	NO3N	PHL	SO4	F	CN	SETR	SUM
8993	19115	NMP-10	73/03/29					GRAB MO		0.30	0.000	24				
11787	19115	NMP-10	73/04/28	11:30				GRAB MO			0.169	23				
15287	19115	NMP-10	73/06/01	6:30				GRAB MO			0.066	27		0.0		0.0
17981	19115	NMP-10	73/06/27	8:15				GRAB MO			0.00	39	0.1	0.0		0.0
20581	19115	NMP-10	73/07/24					7DCO MO			0.000	28	0.1	0.0		0.0
24088	19115	NMP-10	73/08/28					GRAB MO			0.033	27	0.1	0.0		0.0
26887	19115	NMP-10	73/09/25					GRAB MO			0.000	27	0.1	0.0		0.0
30387	19115	NMP-10	73/10/30					GRAB MO			0.000	25	0.2	0.0		0.0
33187	19115	NMP-10	73/11/27					GRAB MO			0.000	25		0.0		0.0
36195	19115	NMP-10	73/12/27					GRAB MO			0.000	29		0.0		0.0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	AG	AL	AS	BA	BE	CD	CR
8393	19115	NMP-10	73/03/29						GRAB	MO					0.007	0.000	0.000
11787	19115	NMP-10	73/04/28	11:30					GRAB	MO		0.000			0.005	0.000	0.000
15287	19115	NMP-10	73/06/01	6:30					SPAL	MO	0.000	0.040		0.000	0.000	0.015	0.000
17881	19115	NMP-10	73/06/27	8:15					GRAB	MO		0.080			0.000	0.007	0.000
20581	19115	NMP-10	73/07/24						TUCO	MO	0.000	0.071		0.000	0.000	0.000	0.000
24789	19115	NMP-10	73/08/28						GRAB	MO	0.000	0.000		0.000	0.000	0.000	0.000
26387	19115	NMP-10	73/09/25						GRAB	MO	0.000		0.000	0.000	0.000	0.000	0.000
30387	19115	NMP-10	73/10/30						GRAB	MO	0.000		0.000	0.000	0.000	0.000	0.000
33187	19115	NMP-10	73/11/27						SPAL	MO	0.000	0.000			0.000	0.000	0.000
36195	19115	NMP-10	73/12/27						GRAB	MO	0.000				0.000	0.000	0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	NG	K	MG	NA	NI	PB	SE
8393	19115	NMP-10	73/03/29						GRAB	MO	0.000	1.320	8.700	13.400	0.100	0.000	
11787	19115	NMP-10	73/04/28	11:30					GRAB	MO		1.470	9.320	16.220	0.020	0.000	
15287	19115	NMP-10	73/06/01	6:30					GRAB	MO	0.000	2.230	7.000	23.800	0.000	0.000	
17881	19115	NMP-10	73/06/27	8:15					GRAB	MO	0.000	1.350	8.400	22.800	0.000	0.000	
20581	19115	NMP-10	73/07/24						TUCO	MO		2.310	9.320	13.100	0.000	0.000	
24789	19115	NMP-10	73/08/28						GRAB	MO		1.450		15.600	0.000	0.000	
26387	19115	NMP-10	73/09/25						GRAB	MO		1.860		11.530	0.000	0.000	
30387	19115	NMP-10	73/10/30						GRAB	MO		2.250		27.200			
33187	19115	NMP-10	73/11/27						GRAB	MO		2.190	8.180	9.340	0.000	0.000	
36195	19115	NMP-10	73/12/27						GRAB	MO		1.720	7.300	27.900	0.010		

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SI	V
8393	19115	NMP-10	73/03/29						GRAB	MO		0.000
11787	19115	NMP-10	73/04/28	11:30					GRAB	MO		0.000
15287	19115	NMP-10	73/06/01	6:30					GRAB	MO		0.000
17881	19115	NMP-10	73/06/27	8:15					GRAB	MO		0.000
20581	19115	NMP-10	73/07/24						TUCO	MO		0.000
24789	19115	NMP-10	73/08/28						GRAB	MO		0.000
26387	19115	NMP-10	73/09/25						GRAB	MO		0.000
30387	19115	NMP-10	73/10/30						GRAB	MO		0.000
33187	19115	NMP-10	73/11/27						GRAB	MO		0.000
36195	19115	NMP-10	73/12/27						GRAB	MO		0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	PH	T	ALK	FUJ	TBUD	TCCD	ITOC
8994	19115	NMP-11	73/03/29					70CU	MO	7.9		83.0		0	14	
11788	19115	NMP-11	73/04/28	11:30				70CU	MO	7.3		91.0		2	7	
15288	19115	NMP-11	73/06/01	6:30				70CU	MO	7.9		97.0			7	
17882	19115	NMP-11	73/06/27	8:05				70CU	MO	8.1		95.0			13	
20582	19115	NMP-11	73/07/24					70CU	MO	9.2		82.0		3	5	6
26888	19115	NMP-11	73/09/25					70CU	MO	8.1		83.0		1	24	5
30388	19115	NMP-11	73/10/30					70CU	MO	8.7		88.0		2	21	4
33188	19115	NMP-11	73/11/27					70CU	MO	6.9		120.0		3	13	
36196	19115	NMP-11	73/12/27					70CU	MO	7.5		87.0		2	1	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	TDS	TSS	NO3N	TKN	OP	TP	CL
8994	19115	NMP-11	73/03/29					70CU	MO	135	11	0.03	0.59	0.00	0.03	70
11788	19115	NMP-11	73/04/28	11:30				70CU	MO	250	1	0.15	0.77	0.00	0.01	33
15288	19115	NMP-11	73/06/01	6:30				70CU	MO	250	0	0.00	0.27	0.00	0.04	29
17882	19115	NMP-11	73/06/27	8:05				70CU	MO	3.5	2	0.23	1.40	0.00	0.04	47
20582	19115	NMP-11	73/07/24					70CU	MO	210	1	0.10	0.00	0.01	0.01	31
26888	19115	NMP-11	73/09/25					70CU	MO	210	1	0.13	3.20	0.01	0.06	30
30388	19115	NMP-11	73/10/30					70CU	MO	210	2	0.11	0.80	0.01	0.07	30
33188	19115	NMP-11	73/11/27					70CU	MO	250	0	0.22	0.30	0.02	0.03	33
36196	19115	NMP-11	73/12/27					70CU	MO	250	10	0.41		0.01	0.03	42

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	CU	FE	MN	ZN	TCOL	FCOL
8994	19115	NMP-11	73/03/29					70CU	MO	0.020	0.340		0.017		
11788	19115	NMP-11	73/04/28	11:30				70CU	MO	0.280	0.250		0.000	0	
15288	19115	NMP-11	73/06/01	6:30				70CU	MO	0.020	0.270	0.360	0.015		0
17882	19115	NMP-11	73/06/27	8:05				70CU	MO	0.040	0.080	0.040	0.000	19	0
20582	19115	NMP-11	73/07/24					70CU	MO	0.030	0.070	0.050	0.038	40	0
26888	19115	NMP-11	73/09/25					70CU	MO	0.070	0.330	0.000	0.012	127	1
30388	19115	NMP-11	73/10/30					70CU	MO	0.050	0.120	0.020	0.012	110	0
33188	19115	NMP-11	73/11/27					70CU	MO	0.040	0.050	0.050	0.043	45	0
36196	19115	NMP-11	73/12/27					70CU	MO	0.010	1.300	0.100	0.041	7	2

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	SPC	TH	COL	TUR	TS	TVS	NH3N
8994	19115	NMP-11	73/03/29					70CU	MO	330.0	157	10	3.0	145	10	0.0
11788	19115	NMP-11	73/04/28	11:30				70CU	MO	354.0	144	10	4.2	255	70	
15288	19115	NMP-11	73/06/01	6:30				70CU	MO			0	2.0	250	80	0.0
17882	19115	NMP-11	73/06/27	8:05				70CU	MO				2.0	345		
20582	19115	NMP-11	73/07/24					70CU	MO				7.0	210	75	0.0
26888	19115	NMP-11	73/09/25					70CU	MO		150	5	2.0	210	70	0.0
30388	19115	NMP-11	73/10/30					70CU	MO		131	5	6.0	210	70	0.1
33188	19115	NMP-11	73/11/27					70CU	MO			5	0.0	260	85	0.0
36196	19115	NMP-11	73/12/27					70CU	MO			45	16.0	260	75	0.1

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD TYPE	FREQ	OR3N	PHL	SO4	F	CN	SETR	SUR
8994	19115	NMP-11	73/03/29					70CU	MO	0.51	0.080	22				
11788	19115	NMP-11	73/04/28	11:30				70CU	MO		0.142	27				
15288	19115	NMP-11	73/06/01	6:30				70CU	MO	0.20	0.000	28		0.0		0.10
17882	19115	NMP-11	73/06/27	8:05				70CU	MO			35		0.1		0.01
20582	19115	NMP-11	73/07/24					70CU	MO	0.30	0.035	32		0.1	0.0	0.02
26888	19115	NMP-11	73/09/25					70CU	MO	0.20	0.000	28		0.1	0.0	0.01
30388	19115	NMP-11	73/10/30					70CU	MO		0.000	24		0.2	0.0	0.01
33188	19115	NMP-11	73/11/27					70CU	MO		0.000	25			0.0	0.01
36196	19115	NMP-11	73/12/27					70CU	MO		0.000	32			0.0	0.01

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	PSD	TYPE	FREQ	AG	AL	AS	BA	BE	CD	CP
8994	19115	NMP-11	73/03/29					70CU	MO						0.000	0.000	0.000
11788	19115	NMP-11	73/04/28	11:30				70CU	MO			0.000			0.000	0.000	0.000
15284	19115	NMP-11	73/06/01	6:30				70CU	MO	0.000	0.000			0.390	0.000	0.000	0.000
17882	19115	NMP-11	73/06/27	8:05				70CU	MO		0.000				0.000	0.000	0.000
20582	19115	NMP-11	73/07/24					70CU	MO	0.000	0.000			0.000	0.000	0.000	0.000
26688	19115	NMP-11	73/09/25					70CU	MO	0.012			0.000	0.000	0.000	0.000	0.000
30388	19115	NMP-11	73/10/30					70CU	MO	0.000					0.000	0.000	0.000
33188	19115	NMP-11	73/11/27					70CU	MO	0.000	0.000				0.000	0.000	0.000
36196	19115	NMP-11	73/12/27					70CU	MO						0.000	0.000	0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	PSD	TYPE	FREQ	AG	K	MG	NA	NI	PB	SE
8994	19115	NMP-11	73/03/29					70CU	MO		0.000	1.330	9.100	14.200	0.124	0.000	
11788	19115	NMP-11	73/04/28	11:30				70CU	MO			1.557	6.670	14.860	0.100	0.000	
15288	19115	NMP-11	73/06/01	6:30				70CU	MO	0.000	1.980	7.700	16.200	0.000	0.000		
17882	19115	NMP-11	73/06/27	8:05				70CU	MO	0.000	1.550	8.200	21.600	0.000	0.000		
20582	19115	NMP-11	73/07/24					70CU	MO		2.280	9.380	13.900	0.070	0.000		
26688	19115	NMP-11	73/09/25					70CU	MO		1.860		11.250	0.020			
30388	19115	NMP-11	73/10/30					70CU	MO		2.190		20.200				
33188	19115	NMP-11	73/11/27					70CU	MO		2.160	8.160	8.750	0.000	0.000		
36196	19115	NMP-11	73/12/27					70CU	MO		1.870	8.000	30.400	0.040			

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	PSD	TYPE	FREQ	SI	V
8994	19115	NMP-11	73/03/29					70CU	MO		0.000	
11788	19115	NMP-11	73/04/28	11:30				70CU	MO		0.000	
15288	19115	NMP-11	73/06/01	6:30				70CU	MO			
17882	19115	NMP-11	73/06/27	8:05				70CU	MO		0.000	
20582	19115	NMP-11	73/07/24					70CU	MO		0.000	
26688	19115	NMP-11	73/09/25					70CU	MO			
30388	19115	NMP-11	73/10/30					70CU	MO			
33188	19115	NMP-11	73/11/27					70CU	MO		0.000	
36196	19115	NMP-11	73/12/27					70CU	MO		0.000	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	F00	T800	TCC0	TTC0
8492	19115	NWP-12	73/03/29						70CO	MO	7.8		85.0		C	10	
11786	19115	NWP-12	73/04/28	11:30					70CO	MO	6.8		94.0		C	9	
15286	19115	NWP-12	73/06/01	6:30					70CO	MO	9.0		100.0			12	0
17880	19115	NWP-12	73/06/27	8:25					70CO	MO	7.9		94.0			14	
20580	19115	NWP-12	73/07/24						70CO	MO	9.2		84.0		2	6	18
24087	19115	NWP-12	73/08/28						70CO	MO	8.0		78.0	11.7	2		0
26886	19115	NWP-12	73/09/25						70CO	MO	3.1		83.0		1	22	8
30386	19115	NWP-12	73/10/30						70CO	MO	8.2		90.0		2	22	5
33186	19115	NWP-12	73/11/27						70CO	MO	7.2		89.0			7	
36194	19115	NWP-12	73/12/27						70CO	MO	7.6		91.0		4		

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TDS	TSS	Y03N	TKN	CP	TP	CL
8492	19115	NWP-12	73/03/29						70CO	MO	190	9	0.02	0.30	0.01	0.04	65
11786	19115	NWP-12	73/04/28	11:30					70CO	MO	250	0	0.10	0.43	0.01	0.00	30
15286	19115	NWP-12	73/06/01	6:30					70CO	MO	230	0	0.00	0.15	0.00	0.03	47
17880	19115	NWP-12	73/06/27	8:25					70CO	MO	235	2	0.31	0.40	0.00	0.04	31
20580	19115	NWP-12	73/07/24						70CO	MO	260	2	0.08	0.00	0.00	0.01	28
24087	19115	NWP-12	73/08/28						70CO	MO	195	13	0.05	0.30	0.01	0.03	29
26886	19115	NWP-12	73/09/25						70CO	MO	250	0	0.13	0.05	0.00	0.02	31
30386	19115	NWP-12	73/10/30						70CO	MO	210	1	0.10	0.85	0.01	0.02	30
33186	19115	NWP-12	73/11/27						70CO	MO	240	3	0.30	0.30	0.02	0.03	33
36194	19115	NWP-12	73/12/27						70CO	MO	230	1	0.41		0.01	0.02	42

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	CU	FE	MN	ZN	TCOL	FCCL
8492	19115	NWP-12	73/03/29						70CO	MO	0.020	0.370		0.083		
11786	19115	NWP-12	73/04/28	11:30					70CO	MO	0.220	0.080		0.020	0	
15286	19115	NWP-12	73/06/01	6:30					70CO	MO	0.320	0.210	0.240	0.039		14
17880	19115	NWP-12	73/06/27	8:25					70CO	MO	0.040	0.070	0.030	0.037	23	0
20580	19115	NWP-12	73/07/24						70CO	MO	0.030	0.140	0.090	0.021	150	0
24087	19115	NWP-12	73/08/28						70CO	MO	0.030	0.070	0.020		134	0
26886	19115	NWP-12	73/09/25						70CO	MO	0.040	0.030	0.100	0.025	14	1
30386	19115	NWP-12	73/10/30						70CO	MO	0.030	0.030	0.000	0.065	72	0
33186	19115	NWP-12	73/11/27						70CO	MO	0.030	0.350	0.020	0.013	32	3
36194	19115	NWP-12	73/12/27						70CO	MO	0.150	0.620	0.120	0.069	2	0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SPC	TH	COL	TUR	TS	TVS	NH3N
8492	19115	NWP-12	73/03/29						70CO	MO	330.0	153	10	3.0	200	40	0.0
11786	19115	NWP-12	73/04/28	11:30					70CO	MO	350.0	140	0	3.1	250	60	0.0
15286	19115	NWP-12	73/06/01	6:30					70CO	MO			5	4.0	260	115	0.0
17880	19115	NWP-12	73/06/27	8:25					70CO	MO				4.0	285		0.1
20580	19115	NWP-12	73/07/24						70CO	MO				8.0	260	110	0.0
24087	19115	NWP-12	73/08/28						70CO	MO			5	3.0	210	70	0.0
26886	19115	NWP-12	73/09/25						70CO	MO		152	5	1.0	200	50	0.0
30386	19115	NWP-12	73/10/30						70CO	MO		134	5	3.0	210	75	0.1
33186	19115	NWP-12	73/11/27						70CO	MO			5	0.0	240	65	0.0
36194	19115	NWP-12	73/12/27						70CO	MO			5	3.0	230	75	0.0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	URGN	PHL	SD4	F	CH	SETR	SUR
8492	19115	NWP-12	73/03/29						70CO	MO	0.30	0.120	24				
11786	19115	NWP-12	73/04/28	11:30					70CO	MO		0.054	25				
15286	19115	NWP-12	73/06/01	6:30					70CO	MO	0.15	0.000	28				0.10
17880	19115	NWP-12	73/06/27	8:25					70CO	MO	0.25		34	0.1	0.0		0.00
20580	19115	NWP-12	73/07/24						70CO	MO	0.00	0.000	27	0.1	0.0	0.0	0.02
24087	19115	NWP-12	73/08/28						70CO	MO		0.020	29	0.1	0.0	0.0	0.04
26886	19115	NWP-12	73/09/25						70CO	MO	0.05	0.000	25	0.1	0.0	0.0	0.00
30386	19115	NWP-12	73/10/30						70CO	MO		0.000	30	0.2	0.0	0.0	0.05
33186	19115	NWP-12	73/11/27						70CO	MO		0.000	23			0.0	0.01
36194	19115	NWP-12	73/12/27						70CO	MO		0.000	28			0.0	0.05

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	AG	AL	AS	BA	BE	CD	CF
8892	19115	NMP-12	73/03/29						70CO	MO					0.035	0.000	0.000
11786	19115	NMP-12	73/04/28	11:30					70CO	MO		0.000			0.005	0.000	0.000
15286	19115	NMP-12	73/06/01	6:30					70CO	MO	0.000	0.010		0.170	0.008	0.009	0.000
17887	19115	NMP-12	73/06/27	8:25					70CO	MO		0.000			0.000	0.007	0.000
20580	19115	NMP-12	73/07/24						70CO	MO	0.000	0.000		0.000	0.014	0.000	0.000
24787	19115	NMP-12	73/08/28						70CO	MO	0.000	0.000		0.000	0.000	0.000	0.000
26886	19115	NMP-12	73/09/25						70CO	MO	0.000		0.000	0.000	0.000	0.000	0.000
30386	19115	NMP-12	73/10/30						70CO	MO	0.000			0.000	0.000	0.000	0.000
33186	19115	NMP-12	73/11/27						70CO	MO	0.000	0.000			0.000	0.000	0.000
36194	19115	NMP-12	73/12/27						70CO	MO	0.000				0.000	0.000	0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	HS	K	MG	NA	NI	PB	SE
8892	19115	NMP-12	73/03/29						70CO	MO	0.000	1.430	8.700	13.000	0.070	0.050	
11786	19115	NMP-12	73/04/28	11:30					70CO	MO		1.530	6.670	19.140	0.040	0.000	
15286	19115	NMP-12	73/06/01	6:30					70CO	MO	0.000	2.370	6.670	22.200	0.030	0.000	
17600	19115	NMP-12	73/06/27	8:25					70CO	MO	0.000	1.530	8.200	18.430	0.070	0.000	
20580	19115	NMP-12	73/07/24						70CO	MO		2.310	9.630	13.000	0.000	0.080	
24787	19115	NMP-12	73/08/28						70CO	MO		1.450		13.700	0.000	0.000	
26886	19115	NMP-12	73/09/25						70CO	MO		1.530		10.510	0.000		0.000
30386	19115	NMP-12	73/10/30						70CO	MO		2.230		20.100			
33186	19115	NMP-12	73/11/27						70CO	MO		2.450	8.280	9.490	0.000	0.000	
36194	19115	NMP-12	73/12/27						70CO	MO		2.340	7.850	29.200	0.020		

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SI	V
8892	19115	NMP-12	73/03/29						70CO	MO		0.000
11786	19115	NMP-12	73/04/28	11:30					70CO	MO		0.000
15286	19115	NMP-12	73/06/01	6:30					70CO	MO	6	
17887	19115	NMP-12	73/06/27	8:25					70CO	MO	3	0.000
20580	19115	NMP-12	73/07/24						70CO	MO		0.000
24787	19115	NMP-12	73/08/28						70CO	MO	3	0.000
26886	19115	NMP-12	73/09/25						70CO	MO		
30386	19115	NMP-12	73/10/30						70CO	MO		
33186	19115	NMP-12	73/11/27						70CO	MO		0.000
36194	19115	NMP-12	73/12/27						70CO	MO		0.000

APPENDIX VII-B

NINE MILE POINT GENERATING STATION

WATER QUALITY INVESTIGATIONS

SIMPLE STATISTICS AND CORRELATIONS

[illegible]



COMPUTER RETRIEVAL CATEGORIES

	CATEGORY	STATIONS	DEPTHS (ft.)	MONTHS	PARAMETERS*
OSWEGO (19116)	1	All, individually	All, individually	All, combined	1,2
	2	All, individually	All, combined	All, combined	1,2
	3	All, combined	All, combined	All, combined	1,2
NMP, BIMO (19115)	1	All, individually	All, individually	All, combined	3
	2	All, individually	All, combined	All, combined	3
	3	All, combined	All, combined	All, combined	3
	4	All, combined	All, combined	All, individually	3
	5	All, combined	Surface	All, combined	3
	6	All, combined	All between 10-30	All, combined	3
	7a	All, combined	All between 55-65	All, combined	3
NMP, MO (19115)	1	All, individually	All, individually	All, combined	4,5,6
	2	All, individually	All, combined	All, combined	4,5,6
	3	All, combined	All, combined	All, combined	4,5,6
	4	All, combined	All, combined	All, individually	4,5,6
	5	All, combined	Surface	All, combined	4,5,6
	7	All, combined	All between 40-50	All, combined	4,5,6
	7a	All, combined	All between 55-65	All, combined	7,8,9
OSWEGO + NMP BIMO + NMP MO	3	All, combined	All, combined	All, combined	7,8,9
	4	All, combined	All, combined	All, individually	7,8,9
	5	All, combined	Surface	All, combined	7,8,9
	6	All, combined	All between 10-30	All, combined	7,8,9
	7	All, combined	All between 40-50	All, combined	7,8,9
	7a	All, combined	All between 55-65	All, combined	7,8,9

\*PARAMETERS

- 1- pH, T, ALK, FDO, TBOD, TS, TSS, NO<sub>3</sub>N, TKN, OP, TP, Cl, SO<sub>4</sub>, Na, Mg, Zn, TCOL, FCOL
- 2- SpC, TH, TUR, COL, NH<sub>3</sub>N, ORGN, TDS, TVS, PHL, SETR, Be, Cd, Cr, Cu, Fe, K, Ni, Pb, V
- 3- pH, SpC, T, TUR, CO<sub>2</sub>, FDO, TBOD, TCOD, TS, TSS, NO<sub>3</sub>N, TKN, OP, TP, CHLA, Si
- 4- pH, T, ALK, FDO, TBOD, TCOD, TDOC, TDS, TSS, NO<sub>3</sub>N, TKN, OP, TP, Cl, Cu, Fe, Mn, Zn, TCOL, FCOL
- 5- SpC, TH, COL, TUR, TS, TVS, NH<sub>3</sub>N, ORGN, PHL, SO<sub>4</sub>, F, CN, SETR, SUR
- 6- Ag, Al, As, Ba, Be, Cd, Cr, Hg, K, Mg, Na, Ni, Pb, Se, Si, V
- 7- pH, T, SpC, COL, TUR, ALK, TH, FDO, TBOD, TCOD, TDOC, TS, TDS, TVS, TSS, NH<sub>3</sub>N, ORGN, TKN, NO<sub>3</sub>N
- 8- OP, TP, PHL, Cl, SO<sub>4</sub>, CHLA, CN, SETR, F, TCOL, FCOL
- 9- Ag, Al, As, Ba, Be, Cd, Cr, Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Se, Si, V, Zn

*Put on  
15/11/11*

KEY FOR STATION DESIGNATION IN  
COMPUTER RETRIEVAL

A. NMP		Bimonthly Analyses	
NMP-1	NMPW	in 20 ft. of water.	Surface
NMP-1			Bottom
NMP-2	NMPW	in 60 ft. of water.	Surface
NMP-2			Bottom
NMP-3	NMPC	in 20 ft. of water	Surface
NMP-3			Bottom
NMP-4	NMPC	in 60 ft. of water	Surface
NMP-4			Bottom
NMP-5	NMPE	in 20 ft. of water	Surface
NMP-5			Bottom
NMP-6	NMPE	in 60 ft. of water	Surface
NMP-6			Bottom
B. NMP		Monthly Analyses	
NMP-7	NMPP	in 20 ft. of water	Surface
NMP-7			Bottom
NMP-8	NMPP	in 45.ft. of water	Surface
NMP-8			Bottom
NMP-9	NMPI	grab sample	
NMP-10	NMPD	grab sample	
NMP-11	NMPICO	(intake composite)	
NMP-12	NMPDCO	(discharge composite)	
C. OSW		Monthly Analyses	
OSS-1	OSWP	in 20 ft. of water	Surface
OSS-1			Bottom
OSS-2	OSWP	in 45.ft. of water	Surface
OSS-2			Bottom
OSS-3	OSWI	grab sample	
OSS-4	OSWD	grab sample	

*NMPW } 100' depth is 6000' offshore  
NMPP } " " " 5000' offshore  
NMPE } 100' depth is 9000'  
OSWP } " " " 11,000' offshore  
OSWW } " " " "*

OSS-1, MONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAND	MAY	JUN	JUL	VARIANCE	STD. DEV.
PH	7	8.7000	7.5000	8.1571	0.1462	0.3823
T	7	76.0000	43.5000	55.2571	150.4405	13.7541
ALK	7	86.0000	83.0000	87.0000	27.6667	5.2500
FDO	6	12.0000	7.0000	9.3333	2.8227	1.6001
SPD	7	3.0000	0.0000	1.5714	0.0724	0.0759
SCCH	8	12.0000	6.0000	7.3333	5.4667	2.3301
TS	7	380.0000	200.0000	281.4286	3582.0524	50.8411
TSS	7	26.0000	1.0000	0.0000	121.3333	11.0151
FO3R	7	0.2000	0.0500	0.1471	0.0071	0.0040
TXR	5	0.0200	0.0000	0.0000	0.1222	0.3496
OP	7	0.0500	0.0000	0.0157	0.0004	0.0207
CP	7	0.0700	0.0100	0.0343	0.0007	0.0254
CL	7	85.0000	27.0000	40.1429	547.1429	23.3711
SO4	6	47.0000	28.0000	36.3333	40.8887	7.0616
NA	4	19.0000	10.5000	15.7500	13.8438	3.6235
MG	4	11.0000	7.0000	9.2500	2.0000	1.6418
ZP	5	0.0100	0.0000	0.0000	0.0001	0.0000
SCCL	6	3000.0000	0.0000	951.8333	1210640.1667	1100.2900
FCCL	8	83.0000	0.0000	28.6667	931.4667	30.1905

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	SPD	SCCH	TS	TSS	FO3R	TXR
PH	1.000									
T	0.914	1.000								
ALK	-0.385	-0.523	1.000							
FDO	-0.357	-0.371	0.166	1.000						
SPD	0.166	0.407	-0.779	-0.091	1.000					
SCCH	0.293	0.513	-0.368	-0.590	0.454	1.000				
TS	-0.500	-0.528	0.503	-0.469	-0.302	0.130	1.000			
TSS	0.293	0.251	0.247	0.407	0.016	-0.284	0.330	1.000		
FO3R	-0.623	-0.659	0.411	0.172	-0.343	-0.407	0.707	-0.104	1.000	
TXR	-0.293	0.485	-0.130	-0.276	0.311	0.400	-0.082	0.251	0.282	1.000
OP	-0.427	-0.396	0.383	-0.176	-0.436	-0.460	0.865	0.424	0.730	-0.102
CP	-0.541	-0.444	0.336	-0.044	-0.176	-0.526	0.850	0.400	0.751	0.409
CL	-0.405	-0.291	0.369	-0.603	-0.267	0.247	0.030	0.348	0.500	-0.509
SO4	-0.562	-0.727	0.409	-0.551	-0.146	0.115	0.523	-0.118	0.390	0.558
NA	-0.566	-0.105	0.575	-0.000	-0.752	0.762	-0.010	0.264	0.400	-0.001
MG	0.077	0.830	-0.748	-0.430	-0.213	0.013	-0.535	0.225	-0.051	-0.243
ZP	0.275	0.550	-0.264	-0.660	0.230	0.031	0.577	0.504	-0.247	-0.393
SCCL	0.229	0.463	-0.150	-0.106	0.500	0.023	0.010	0.654	-0.241	-0.110
FCCL	-0.160	-0.365	0.817	-0.400	-0.562	-0.085	0.725	0.628	0.282	-0.035
OP		SP	CL	SO4	NA	MG	ZP	SCCL	FCCL	
OP		SP	CL	SO4	NA	MG	ZP	SCCL	FCCL	
OP	1.000									
SP	0.925	1.000								
CL	0.704	0.631	1.000							
SO4	0.075	-0.003	0.225	1.000						
NA	0.575	0.323	0.759	0.481	1.000					
MG	0.852	-0.735	-0.139	-0.051	-0.898	1.000				
ZP	0.136	0.431	0.785	0.217	0.750	-0.233	1.000			
SCCL	0.342	0.206	0.125	-0.417	0.400	-0.395	0.805	1.000		
FCCL	0.461	0.407	0.639	0.717	0.000	-0.041	0.853	0.031	1.000	

OSS-1, MONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAID	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	5	370.0000	240.0000	311.0000	2270.0000	47.2220
TP	1	152.0000	152.0000	152.0000	0.0000	0.0000
TUP	1	4.4000	4.4000	4.4000	0.0000	0.0000
COL	1	5.0000	5.0000	5.0000	0.0000	0.0000
WPA	5	0.2000	0.0000	0.1000	0.0000	0.0000
OPCH	3	0.2700	0.1000	0.2000	0.0000	0.0000
TDS	7	360.0000	100.0000	270.8000	7530.0000	86.7610
TVS	7	130.0000	0.0000	0.7100	501.0000	22.3900
PPL	7	0.0600	0.0000	0.0100	0.0000	0.0000
SETP	5	0.0000	0.0000	0.0000	0.0000	0.0000
BT	1	0.0170	0.0170	0.0170	0.0000	0.0000
CD	1	0.0000	0.0000	0.0000	0.0000	0.0000
CP	5	0.5000	0.0000	0.1000	0.0000	0.0000
CU	1	0.2000	0.2000	0.2000	0.0000	0.0000
FE	1	1.0000	1.0000	1.0000	0.0000	0.0000
K	1	1.0000	1.0000	1.0000	0.0000	0.0000
NI	1	0.0000	0.0000	0.0000	0.0000	0.0000
PR	1	0.0000	0.0000	0.0000	0.0000	0.0000
V	3	0.2000	0.0000	0.0667	0.0133	0.1155

CORRELATION MATRIX FOLLOWS:

	SPC	TP	TUP	COL	WPA	OPCH	TDS	TVS	PPL	SETP
SPC	1.000									
TP	1.000	1.000								
TUP	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
WPA	0.000				1.000					
OPCH	-1.000				0.000	1.000				
TDS	-0.383	1.000	1.000	1.000	0.000	0.000	1.000			
TVS	-0.415	1.000	1.000	1.000	0.000	0.000	0.000	1.000		
PPL	-0.020	1.000	1.000	1.000	0.000	0.000	-0.000	0.000	1.000	
SETP	1.000				1.000	1.000	1.000	1.000	1.000	1.000
BT	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CD	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CP	-0.000	1.000	1.000	1.000	0.000	0.000	0.000	0.000	0.000	1.000
CU	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
FE	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
K	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
NI	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
PR	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
V	-1.000	1.000	1.000	1.000	1.000	-1.000	-0.773	0.500	1.000	1.000
BT	1.000									
CD	1.000	1.000								
CP	1.000	1.000	1.000							
CU	1.000	1.000	1.000	1.000						
FE	1.000	1.000	1.000	1.000	1.000					
K	1.000	1.000	1.000	1.000	1.000	1.000				
NI	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
PR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
V	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

OSS-1, MONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAID	PLT	HTP	HPA	VARIANCE	SEP. DEF.
PF	7	8,5000	8,0000	7,9714	0.2500	0.5187
T	7	73,5000	42,5000	53,5571	100,0100	12,8457
ALX	7	100,0000	80,0000	85,5714	5,5100	7,1847
FTO	6	12,0000	7,0000	0,0000	3,5000	3,8804
TFOD	7	4,0000	1,0000	0,1429	1,4700	1,2150
TCOD	7	40,0000	5,0000	13,4000	150,0000	12,2000
TS	7	450,0000	210,0000	310,0000	700,0000	27,0000
TSS	7	220,0000	1,0000	37,1429	555,0000	80,0000
HC3P	7	0,4500	0,0000	0,2100	0,0150	0,1200
TKP	5	1,3500	0,0000	0,7800	0,3750	0,6100
OP	7	0,0500	0,0000	0,0250	0,0000	0,0200
TP	7	0,2200	0,0100	0,0050	0,0050	0,0700
CL	7	25,0000	27,0000	47,0000	400,2000	22,1000
SC4	6	47,0000	31,0000	39,5000	37,1000	6,0000
HA	4	10,0000	0,0000	15,2700	20,4150	4,5100
HC	4	8,5000	8,2000	8,3500	0,0000	0,1000
ZP	5	0,0300	0,0000	0,0170	0,0000	0,0100
TCOL	5	4000,0000	0,0000	1720,4000	4200071,0000	2051,2307
FCOL	6	95,0000	0,0000	19,0000	1407,0000	37,5215

CORRELATION MATRIX FOLLOWS:

	PF	T	ALX	FTO	TFOD	TCOD	TS	TSS	HC3P	TKP
PF	1.000									
T	0.409	1.000								
ALX	0.498	0.055	1.000							
FTO	0.346	0.427	0.522	1.000						
TFOD	0.521	0.070	0.068	0.185	1.000					
TCOD	0.076	0.243	0.282	0.433	0.051	1.000				
TS	0.540	0.096	0.053	0.256	0.025	0.490	1.000			
TSS	0.089	0.661	0.681	0.300	0.600	0.034	0.738	1.000		
HC3P	0.460	0.214	0.214	0.273	0.021	0.250	0.053	0.851	1.000	
TKP	0.149	0.499	0.441	0.311	0.683	0.195	0.483	0.521	0.526	1.000
OP	0.743	0.437	0.613	0.239	0.203	0.618	0.577	0.064	0.342	0.074
TP	0.150	0.721	0.652	0.338	0.691	0.023	0.730	0.047	0.814	0.056
CL	0.506	0.372	0.449	0.279	0.232	0.826	0.607	0.007	0.350	0.213
SC4	0.265	0.076	0.171	0.435	0.054	0.365	0.357	0.296	0.260	0.666
HA	0.890	0.352	0.217	0.782	0.882	0.139	0.708	0.404	0.764	0.198
HC	0.856	0.814	0.870	0.732	0.210	0.214	0.710	0.408	0.536	0.492
ZP	0.431	0.416	0.388	0.409	0.103	0.230	0.400	0.500	0.300	0.139
TCOL	0.210	0.826	0.877	0.573	0.057	0.201	0.007	0.554	0.275	0.345
FCOL	0.122		0.238	0.400	0.240	0.067	0.222	0.044	0.164	0.605

	OP	TP	CL	SC4	HA	HC	ZP	TCOL	FCOL
OP	1.000								
TP	0.075	1.000							
CL	0.850	0.056	1.000						
SC4	0.175	0.155	0.458	1.000					
HA	0.491	0.292	0.304	0.106	1.000				
HC	0.737	0.772	0.105	0.174	0.060	1.000			
ZP	0.045	0.506	0.107	0.450	0.170	0.515	1.000		
TCOL	0.512	0.466	0.360	0.768	0.550	1.000	0.801	1.000	
FCOL	0.450	0.245	0.250	0.702	0.185	0.020	0.431	0.605	1.000

OSS-1, MONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAIP	PAV	PTH	HPA	VARIANCE	STD. DEV.
SPC	5	370.0000	220.0000	301.0000	370.0000	50.1378
TF	1	150.0000	150.0000	150.0000	0.0000	0.0000
TUP	1	4.1000	4.1000	4.1000	0.0000	0.0000
COL	1	5.0000	5.0000	5.0000	0.0000	0.0000
HPA	6	0.2000	0.0000	0.1567	0.0007	0.0016
OPGH	3	1.1500	0.2500	0.7700	0.2172	0.4660
TDS	7	300.0000	210.0000	275.4295	355.9524	60.4645
TVS	7	125.0000	75.0000	100.0000	355.9527	19.1455
PHL	7	0.1000	0.0000	0.0200	0.0014	0.0074
SETR	5	0.0000	0.0000	0.0000	3.2000	1.7800
RF	1	0.0050	0.0000	0.0000	0.0000	0.0000
CD	1	0.0000	0.0000	0.0000	0.0000	0.0000
CP	5	0.2000	0.0000	0.1140	0.0175	0.1324
CU	1	0.3300	0.3300	0.3300	0.0000	0.0000
FF	1	1.2500	1.2500	1.2500	0.0000	0.0000
X	1	1.8200	1.8200	1.8200	0.0000	0.0000
NI	1	0.0300	0.0300	0.0300	0.0000	0.0000
PR	1	0.0850	0.0850	0.0850	0.0000	0.0000
V	3	0.1000	0.0000	0.0333	0.0033	0.0577

CORRELATION MATRIX FOLLOWS:

	SPC	TF	TUP	COL	HPA	OPGH	TDS	TVS	PHL	SETR
SPC	1.000									
TF	1.000	1.000								
TUP	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
HPA	0.846				1.000					
OPGH	1.000				0.956	1.000				
TDS	0.465	1.000	1.000	1.000	0.127	-0.708	1.000			
TVS	-0.178	1.000	1.000	1.000	-0.167	-0.250	0.464	1.000		
PHL	0.127	1.000	1.000	1.000	0.272	0.007	-0.514	0.153	1.000	
SETR	1.000				1.000	1.000	-0.000	0.207	0.000	1.000
RF	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CD	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CP	-0.928	1.000	1.000	1.000	-0.734	-0.002	0.130	0.134	-0.506	-0.547
CU	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
FF	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
X	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
NI	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
PR	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
V	1.000	1.000	1.000	1.000	1.000	-1.000	-0.737	0.002	-0.224	-1.000

	RF	CD	CP	CU	FF	X	NI	PR	V
RF	1.000								
CD	1.000	1.000							
CP	1.000	1.000	1.000						
CU	1.000	1.000	1.000	1.000					
FF	1.000	1.000	1.000	1.000	1.000				
X	1.000	1.000	1.000	1.000	1.000	1.000			
NI	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
PR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
V	1.000	1.000	0.992	1.000	1.000	1.000	1.000	1.000	1.000

OSS-2, MONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAID	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	7	8.0000	6.0000	6.0000	0.2722	0.5219
T	7	74.0000	40.0000	55.0143	202.3701	14.2470
ALK	7	54.0000	70.0000	61.7143	39.0000	6.2374
FPO	7	12.0000	0.0000	0.0107	1.7777	1.3339
TRCD	7	2.0000	1.0000	1.5714	0.2000	0.4472
TCOD	7	11.0000	5.0000	8.0000	4.0000	2.0000
TS	7	330.0000	210.0000	270.0000	1557.1429	39.4600
TSS	7	10.0000	0.0000	1.3429	46.4769	6.8173
HC3F	7	0.0000	0.0000	0.1514	0.0000	0.0000
TFP	5	0.0000	0.0000	0.2000	0.1272	0.3567
OP	7	0.0000	0.0000	0.0100	0.0000	0.0100
TP	7	0.0000	0.0100	0.0034	0.0000	0.0100
CL	7	70.0000	20.0000	42.1429	200.4762	17.3054
SO4	7	41.0000	27.0000	34.1429	28.5556	5.3444
NA	4	18.0000	0.0000	15.3500	20.5117	4.5205
HC	4	8.0000	7.0000	8.2100	0.5372	0.7329
ZF	5	0.0000	0.0000	0.0136	0.0000	0.0136
TCOL	6	540.0000	0.0000	103.0000	44356.0000	210.6086
FCOL	6	73.0000	0.0000	25.3333	1206.6667	34.7371

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FPO	TRCD	TCOD	TS	TSS	HC3F	TFP
PH	1.000									
T	0.630	1.000								
ALK	0.030	-0.742	1.000							
FPO	-0.430	-0.419	-0.310	1.000						
TRCD	-0.545	-0.251	-0.043	0.046	1.000					
TCOD	-0.555	-0.390	-0.134	0.029	0.090	1.000				
TS	-0.760	-0.309	-0.311	-0.130	0.085	0.044	1.000			
TSS	-0.019	-0.062	0.004	-0.574	0.477	-0.077	-0.260	1.000		
HC3F	-0.681	-0.854	-0.594	0.204	0.254	0.361	0.399	0.218	1.000	
TFP	-0.596	-0.835	-0.712	0.875	-0.095	0.197	0.350	-0.260	0.960	1.000
OP	-0.608	-0.686	-0.309	-0.192	0.361	0.323	0.202	0.575	0.790	0.430
TP	-0.793	-0.656	-0.233	0.463	0.741	0.000	0.213	-0.273	-0.672	-0.216
CL	-0.425	-0.125	-0.569	-0.187	-0.064	0.707	0.704	-0.153	-0.065	-0.412
SO4	-0.332	-0.282	-0.147	-0.297	-0.512	0.307	0.219	-0.498	-0.298	-0.778
NA	-0.776	-0.075	-0.254	-0.745	0.492	1.000	0.947	0.475	0.097	0.067
HC	0.797	0.856	0.956	-0.900	-0.737	-0.045	-0.030	0.920	-0.685	-0.687
ZF	0.992	0.758	0.556	-0.635	-0.306	-0.077	-0.670	0.162	-0.710	-0.690
TCOL	-0.712	-0.250	-0.320	0.757	0.252	0.611	0.720	-0.243	0.230	-0.560
FCOL	-0.547	-0.169	-0.358	-0.027	-0.227	0.860	0.800	-0.361	0.203	-0.459
	OP	TP	CL	SO4	NA	HC	ZF	TCOL	FCOL	
	OP	TP	CL	SO4	NA	HC	ZF	TCOL	FCOL	
OP	1.000									
TP	0.709	1.000								
CL	-0.172	-0.058	1.000							
SO4	-0.717	-0.767	-0.308	1.000						
NA	0.384	-0.464	0.721	-0.670	1.000					
HC	-0.173	-0.820	0.557	-0.804	-0.125	1.000				
ZF	-0.341	-0.399	-0.016	-0.907	-0.710	0.804	1.000			
TCOL	0.454	0.517	0.013	-0.383	0.375	0.689	-0.099	1.000		
FCOL	0.254	0.030	-0.058	0.207	0.570	0.467	-0.163	0.007	1.000	

OSS-2, MONTHLY  
SURFACE  
ALL YEAR 1973

PI/PUSFFP	NO. OF SAIP	PAY	PTH	PEAN	WASTAGE	SSD. REV.
SPC	5	395.0000	230.0000	331.0000	3505.0000	50.2030
TF	1	145.0000	145.0000	345.0000	5.0000	0.0000
TUP	1	4.1000	4.1000	4.1000	0.0000	0.0000
COL	1	5.0000	5.0000	5.0000	0.0000	0.0000
HPAR	6	0.2000	0.0000	0.0000	0.0000	0.0750
OPEN	3	0.3000	0.0000	0.1500	0.0000	0.1500
TDS	7	310.0000	210.0000	250.5734	1047.5100	46.1116
TVS	7	115.0000	50.0000	84.2057	579.5734	26.0494
PPL	7	0.0650	0.0000	0.0354	0.0000	0.0257
SETP	5	0.0000	0.0000	0.0000	0.0000	0.0000
BF	1	0.0100	0.0100	0.0100	0.0000	0.0000
CD	1	0.0000	0.0000	0.0000	0.0000	0.0000
CR	5	0.1100	0.0000	0.0300	0.0000	0.0400
CU	1	0.1600	0.1600	0.1600	0.0000	0.0000
FE	1	0.2100	0.2100	0.2100	0.0000	0.0000
K	1	1.0200	1.0200	1.0200	0.0000	0.0000
NT	1	0.0800	0.0800	0.0800	0.0000	0.0000
PR	1	0.1200	0.1200	0.1200	0.0000	0.0000
V	3	0.3000	0.0000	0.1333	0.0000	0.1500

CORRELATION MATRIX FOLLOWS:

	SPC	TF	TUP	COL	HPAR	OPEN	TDS	TVS	PPL	SETP
SPC	1.000									
TF	1.000	1.000								
TUP	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
HPAR	0.974				1.000					
OPEN	-1.000				-0.999	1.000				
TDS	0.433	1.000	1.000	1.000	0.300	-0.721	1.000			
TVS	-0.430	1.000	1.000	1.000	0.300	-0.721	0.300	1.000		
PPL	0.018	1.000	1.000	1.000	-0.463	-0.530	-0.331	-0.292	1.000	
SETP	1.000				1.000	1.000	1.000	1.000	1.000	1.000
BF	1.000	1.000	1.000	1.000			1.000	1.000	1.000	1.000
CD	1.000	1.000	1.000	1.000			1.000	1.000	1.000	1.000
CR	0.506	1.000	1.000	1.000	0.000	-0.666	0.385	0.533	-0.377	1.000
CU	1.000	1.000	1.000	1.000			1.000	1.000	1.000	1.000
FE	1.000	1.000	1.000	1.000			1.000	1.000	1.000	1.000
K	1.000	1.000	1.000	1.000			1.000	1.000	1.000	1.000
NT	1.000	1.000	1.000	1.000			1.000	1.000	1.000	1.000
PR	1.000	1.000	1.000	1.000			1.000	1.000	1.000	1.000
V	1.000	1.000	1.000	1.000	-1.000	1.000	-0.240	-0.443	0.097	1.000
BF		CD	CR	CU	FE	K	NT	PR	V	
FE		CD	CR	CU	FE	K	NT	PR	V	
SP	1.000									
CD	1.000	1.000								
TF	1.000	1.000	1.000							
CU	1.000	1.000	1.000	1.000						
FE	1.000	1.000	1.000	1.000	1.000					
K	1.000	1.000	1.000	1.000	1.000	1.000				
NT	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
PR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
V	1.000	1.000	-0.564	1.000	1.000	1.000	1.000	1.000	1.000	



OSS-2, MONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAID	MAY	JUN	JUL	AUGUST	SEP. REV.
PH	7	8,7000	7,0000	8,0000	8,2000	8,2000
T	7	87,0000	43,0000	50,0000	120,0000	11,0000
ALF	7	100,0000	83,0000	90,0000	100,0000	7,0000
EDC	6	11,7000	7,0000	8,0000	2,0000	1,0000
TRGD	7	3,0000	0,0000	1,0000	0,0000	0,0000
TCGD	6	20,0000	3,0000	8,0000	40,0000	0,0000
TS	7	520,0000	125,0000	270,0000	120,0000	11,0000
TSS	7	20,0000	0,0000	0,0000	70,0000	0,0000
NO3P	7	0,0000	0,0000	0,0000	0,0000	0,0000
TEH	5	1,0000	0,0000	0,0000	0,0000	0,0000
OP	7	0,0000	0,0000	0,0000	0,0000	0,0000
CP	7	0,0000	0,0000	0,0000	0,0000	0,0000
CL	7	120,0000	20,0000	40,0000	100,0000	0,0000
SO4	6	40,0000	20,0000	20,0000	0,0000	0,0000
FA	4	10,0000	0,0000	10,0000	0,0000	0,0000
MG	4	0,0000	7,0000	7,0000	0,0000	0,0000
ZP	5	0,0000	0,0000	0,0000	0,0000	0,0000
SCOL	6	110,0000	0,0000	20,0000	20,0000	40,0000
FCOL	6	20,0000	0,0000	0,0000	110,0000	10,0000

CORRELATION MATRIX FOLLOWS:

	PH	T	ALF	EDC	TRGD	TCGD	TS	TSS	NO3P	TEH
PH	1.000									
T	0.695	1.000								
ALF	-0.700	-0.640	1.000							
EDC	-0.427	-0.191	0.454	1.000						
TRGD	-0.819	-0.772	0.846	0.238	1.000					
TCGD	-0.904	-0.352	0.659	0.263	0.661	1.000				
TS	-0.835	-0.368	0.894	0.513	0.809	0.850	1.000			
TSS	-0.004	-0.207	0.853	-0.424	0.356	-0.233	-0.028	1.000		
NO3P	-0.866	-0.724	0.808	0.092	0.832	0.810	0.714	0.289	1.000	
TEH	-0.661	-0.197	0.223	0.053	0.752	-0.752	0.333	-0.278	-0.278	1.000
OP	-0.816	-0.373	0.524	0.828	0.591	0.889	0.807	-0.098	0.542	-0.454
CP	-0.684	-0.099	0.201	0.844	0.421	0.871	0.764	-0.291	0.350	-0.459
CL	-0.831	-0.247	0.587	0.408	0.722	0.910	0.074	-0.080	0.716	0.005
SO4	-0.914	-0.349	0.574	0.722	0.710	0.907	0.032	-0.149	0.754	-0.802
FA	-0.012	-0.087	0.056	-0.017	0.612	-0.164	0.028	0.080	-0.404	0.286
MG	-0.789	0.071	-0.800	-0.300	-0.036	-0.354	-0.820	-0.296	-0.435	-0.152
ZP	-0.086	0.259	-0.513	-0.801	0.005	0.005	-0.187	0.503	0.042	-0.540
SCOL	-0.867	-0.280	-0.558	0.031	0.646	0.912	0.001	-0.147	0.751	-0.866
FCOL	-0.074	-0.214	-0.020	-0.548	-0.143	0.143	-0.338	-0.200	0.179	-0.661
OP	OP	OP	CL	SO4	FA	MG	ZP	SCOL	FCOL	
OP	OP	OP	CL	SO4	FA	MG	ZP	SCOL	FCOL	
OP	1.000									
OP	0.055	1.000								
CL	0.760	0.755	1.000							
SO4	0.048	0.018	0.070	1.000						
FA	0.690	0.321	0.817	0.180	1.000					
MG	-0.340	-0.091	-0.424	-0.375	-0.828	1.000				
ZP	-0.302	-0.066	0.755	0.025	0.174	0.072	1.000			
SCOL	-0.067	0.098	0.077	-0.075	-0.502	0.505	0.000	1.000		
FCOL	-0.401	-0.488	-0.228	-0.300	-0.534	-0.220	0.403	-0.187	1.000	

OSS-2, MONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAID	MAZ	MTF	MEAP	VARIANCE	STD. DEV.
SPC	5	400.0000	220.0000	210.0000	11555.0000	107.8207
TF	1	147.0000	147.0000	147.0000	0.0000	0.0000
TUP	1	5.5000	5.5000	5.5000	0.0000	0.0000
COL	1	5.0000	5.0000	5.0000	0.0000	0.0000
MEAP	5	0.2000	0.0000	0.1000	0.0000	0.1000
OPGN	3	1.1000	0.2000	0.5500	0.2325	0.4822
TDS	7	520.0000	175.0000	257.1429	13065.4712	114.7043
TUS	7	175.0000	60.0000	94.2857	1570.7312	40.8695
PRL	7	0.0660	0.0000	0.0125	0.0000	0.0242
SFTF	5	0.0000	0.0000	0.0000	0.0000	0.0000
RF	1	0.0050	0.0000	0.0050	0.0000	0.0000
CD	1	0.0000	0.0000	0.0000	0.0000	0.0000
CR	5	0.2300	0.0000	0.0022	0.0000	0.0041
CU	1	0.3500	0.3500	0.3500	0.0000	0.0000
FF	1	0.2300	0.2300	0.2300	0.0000	0.0000
K	1	1.5000	1.5000	1.5000	0.0000	0.0000
NY	1	0.1300	0.1300	0.1300	0.0000	0.0000
PR	1	0.0000	0.0000	0.0000	0.0000	0.0000
V	3	0.5000	0.0000	0.1667	0.0033	0.2097

CORRELATION MATRIX FOLLOWS:

	SPC	TF	TUP	COL	MEAP	OPGN	TDS	TUS	PRL	SFTF
SPC	1.000									
TF	1.000	1.000								
TUP	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
MEAP	-0.240				1.000					
OPGN	1.000				-0.350	1.000				
TDS	0.909	1.000	1.000	1.000	-0.050	-0.050	1.000			
TUS	0.832	1.000	1.000	1.000	-0.050	-0.050	-0.070	1.000		
PRL	-0.592	1.000	1.000	1.000	0.100	-0.473	-0.101	-0.007	1.000	
SFTF	1.000				1.000	1.000	1.000	1.000	1.000	1.000
RF	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CD	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CR	-0.530	1.000	1.000	1.000	0.050	0.773	-0.807	-0.081	-0.581	1.000
CU	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
FF	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
K	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
NY	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
PR	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
V	-1.000	1.000	1.000	1.000	-1.000	1.000	-0.924	-0.603	-0.414	1.000
RF	1.000									
CD	1.000	1.000								
CR	1.000	1.000	1.000							
CU	1.000	1.000	1.000	1.000						
FF	1.000	1.000	1.000	1.000	1.000					
K	1.000	1.000	1.000	1.000	1.000	1.000				
NY	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
PR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
V	1.000	1.000	0.991	1.000	1.000	1.000	1.000	1.000	1.000	

# OSS-3, MONTHLY INTAKE - ALL YEAR 1973

PAPANTFP	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	7	2,5000	7,2000	7,2000	0,1500	0,4000
T	7	75,0000	40,5000	50,4714	144,0424	12,0102
ALF	7	94,0000	83,0000	87,7143	20,5714	4,5358
FDO	5	17,0000	7,0000	10,2000	7,6100	1,0000
TRCD	7	4,0000	1,0000	2,4286	0,0724	0,2700
TCOD	6	17,0000	5,0000	9,8333	20,1557	4,4907
TS	7	400,0000	220,0000	291,5714	5405,0524	74,0221
TSS	7	25,0000	0,0000	7,2857	67,2771	8,2000
RO37	7	0,0000	0,0000	0,2320	0,0131	0,1000
TTF	4	1,1100	0,0000	0,4000	0,1707	0,4160
OP	7	0,0000	0,0000	0,0171	0,0000	0,0200
TP	7	0,0000	0,0000	0,0000	0,0000	0,0000
CL	7	00,0000	27,0000	49,2857	555,0000	23,5000
SO4	6	44,0000	25,0000	35,1667	44,5557	6,6667
FA	3	12,1000	13,5300	14,4133	5,7052	2,3888
MG	3	8,3000	7,1000	7,5767	0,4056	0,6390
ZH	4	0,0170	0,0000	0,0000	0,0001	0,0000
TCOL	6	000,0000	0,0000	427,3333	100331,8887	415,1220
FCOL	6	91,0000	1,0000	32,3333	1240,4447	35,3478

CORRELATION MATRIX FOLLOWS:

	PP	T	ALF	FDO	TRCD	TCOD	TS	TSS	RO37	TTF
PP	1.000									
T	0.743	1.000								
ALF	-0.202	-0.513	1.000							
FDO	-0.775	-0.500	0.350	1.000						
TRCD	-0.347	-0.315	0.446	0.277	1.000					
TCOD	-0.461	-0.144	0.140	-0.307	0.817	1.000				
TS	-0.539	-0.157	0.261	0.100	0.815	0.807	1.000			
TSS	-0.213	-0.122	0.477	0.165	0.732	0.822	0.700	1.000		
RO37	-0.645	-0.036	0.371	0.057	0.122	0.424	0.000	0.000	1.000	
TTF	-0.132	-0.155	0.070	-1.000	0.000	0.103	0.600	0.333	0.371	1.000
OP	-0.746	-0.337	0.248	0.388	0.861	0.922	0.000	0.800	0.135	-0.658
TP	-0.878	-0.546	0.225	0.507	0.800	0.769	0.850	0.552	0.378	-0.803
CL	-0.471	-0.054	0.208	0.017	0.660	0.000	0.000	0.000	0.166	-0.533
SO4	0.016	-0.117	0.308	-0.410	0.514	0.377	0.477	0.158	-0.000	0.711
FA	0.000	0.856	-0.873	-1.000	0.225	-1.000	0.700	0.057	-0.838	0.007
MG	-0.335	0.660	-0.834	1.000	-0.762	0.974	-0.602	0.407	-0.762	-0.501
ZH	-0.039	0.441	-0.435	1.000	-0.058	0.768	-0.407	0.107	-0.405	-0.002
TCOL	-0.736	-0.321	0.107	0.200	0.357	0.871	0.768	0.405	0.000	-0.798
FCOL	-0.372	-0.326	-0.287	-0.003	-0.513	-0.055	-0.105	-0.344	0.200	-0.007

	OP	TP	CL	SO4	FA	MG	ZH	TCOL	FCOL
OP	1.000								
TP	0.000	1.000							
CL	0.938	0.782	1.000						
SO4	0.288	0.227	0.366	1.000					
FA	-0.893	-0.731	0.220	-0.815	1.000				
MG	0.004	-0.335	1.000	-1.000	-1.000	1.000			
ZH	0.027	-0.563	0.845	0.704	-0.127	0.901	1.000		
TCOL	0.023	0.811	0.856	0.200	0.870	0.821	1.000	1.000	
FCOL	0.067	-0.003	-0.000	0.057	-1.000	1.000	0.874	0.305	1.000

OSS-3, MONTHLY  
INTAKE  
ALL YEAR 1973

PARAMETER	NO. OF CAMP	MAY	JUN	JULY	VARIANCE	EST. DEF.
SPC	1	370,0000	370,0000	370,0000	0,0000	0,0000
TF	1	150,0000	150,0000	150,0000	0,0000	0,0000
TRR	1	5,0000	5,0000	5,0000	0,0000	0,0000
COL	1	5,0000	5,0000	5,0000	0,0000	0,0000
WARR	4	0,0000	0,0000	0,0000	0,0000	0,0000
OPGR	2	0,3500	0,2700	0,1000	0,0032	0,0000
TDS	7	380,0000	210,0000	277,1000	472,0000	68,7300
TYS	7	140,0000	60,0000	32,0000	832,1000	28,8400
PFL	7	0,0000	0,0000	0,0000	0,0000	0,0000
SFTF	5	0,0000	0,0000	0,0000	0,0000	0,0000
RF	1	0,0000	0,0000	0,0000	0,0000	0,0000
CP	1	0,0000	0,0000	0,0000	0,0000	0,0000
CU	4	0,1000	0,0000	0,0000	0,0000	0,0000
FF	1	0,4200	0,4200	0,4200	0,0000	0,0000
Y	1	0,2000	0,2000	0,2000	0,0000	0,0000
TT	1	1,5400	1,5400	1,5400	0,0000	0,0000
PP	1	0,0200	0,0200	0,0200	0,0000	0,0000
PH	1	0,0400	0,0400	0,0400	0,0000	0,0000
V	2	0,0000	0,0000	0,0000	0,0000	0,0000

CORRELATION MATRIX FOLLOWS:

	SPC	TF	TRR	COL	WARR	OPGR	TDS	TYS	PFL	SFTF
SPC	1.000									
TF	1.000	1.000								
TRR	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
WARR					1.000					
OPGR					-1.000	1.000				
TDS	1.000	1.000	1.000	1.000	0,000	-1.000	1.000			
TYS	1.000	1.000	1.000	1.000	0,777	-1.000	0,900	1.000		
PFL	1.000	1.000	1.000	1.000	0,000	-1.000	-0,100	-0,200	1.000	
SFTF					1.000	1.000	1.000	1.000	1.000	1.000
RF	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CP	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CU	1.000	1.000	1.000	1.000	0,410	-1.000	-0,710	0,100	-0,210	1.000
FF	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
Y	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
TT	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
PP	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
V	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
RF		CP	CP	CU	FF	K	FI	PR	Y	
RF		CP	CP	CU	FF	K	FI	PR	Y	
RF	1.000									
CP	1.000	1.000								
CP	1.000	1.000	1.000							
CU	1.000	1.000	1.000	1.000						
FF	1.000	1.000	1.000	1.000	1.000					
Y	1.000	1.000	1.000	1.000	1.000	1.000				
FI	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
PR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Y	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

OSS-4, MONTHLY  
DISCHARGE  
ALL YEAR 1973

PARAMETER	NO. OF SAIP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.8000	7.3000	7.9125	0.1727	0.4155
T	8	82.4000	44.8000	67.4500	165.8796	13.6246
ALK	8	36.0000	81.0000	87.7500	75.0714	8.6671
PRD	8	17.8000	7.8000	9.7167	3.8607	1.9671
TRPD	8	3.0000	1.0000	2.0000	0.5714	0.7559
TCOD	7	17.0000	1.0000	9.7143	20.0000	4.4722
TS	8	380.0000	220.0000	276.2500	3648.2143	60.4004
TCS	8	28.0000	0.0000	6.7500	77.9200	8.8277
RO3"	8	0.3700	0.0000	0.2200	0.0000	0.0000
TRF	5	1.4100	0.0000	0.5520	0.3210	0.5672
OP	8	0.0500	0.0000	0.0110	0.0000	0.0100
TP	8	0.0600	0.0000	0.0200	0.0000	0.0000
CL	8	90.0000	29.0000	46.6250	547.4100	23.3899
SO4	7	46.0000	29.0000	33.1429	84.8000	9.2054
FA	3	16.8000	11.7200	16.4700	16.0000	4.0000
MC	4	3.4000	1.1100	8.0775	1.0000	1.0000
ZP	5	0.0210	0.0000	0.0070	0.0000	0.0000
TCOL	7	980.0000	0.0000	357.4000	162871.0000	403.5711
FCOL	7	125.0000	0.0000	37.7143	2080.5714	45.6025

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	PRD	TRPD	TCOD	TS	TCS	RO3"	TRF
PH	1.000									
T	0.515	1.000								
ALK	0.153	-0.351	1.000							
PRD	0.450	-0.916	0.224	1.000						
TRPD	0.346	-0.114	-0.151	0.303	1.000					
TCOD	0.025	-0.778	0.150	0.070	0.110	1.000				
TS	0.411	-0.190	0.004	0.037	0.344	-0.170	2.000			
TCS	0.119	-0.240	0.470	0.136	0.047	0.157	0.697	1.000		
RO3"	0.206	-0.046	0.001	0.000	0.130	0.778	0.000	0.102	1.000	
TRF	0.436	-0.280	-0.022	-0.200	-0.241	0.074	0.131	0.290	0.436	1.000
OP	-0.696	-0.452	-0.117	-0.400	-0.500	0.140	0.000	0.400	0.400	0.400
TP	-0.335	-0.094	-0.414	0.150	0.557	0.020	0.700	0.300	0.200	0.144
CL	-0.273	-0.341	0.200	-0.100	0.235	0.007	0.913	0.703	0.207	-0.129
SO4	-0.052	0.017	0.150	-0.100	0.654	0.020	0.840	0.663	0.040	-0.120
FA	0.620	0.500	-0.601	-1.000	0.000	-1.000	0.000	0.000	0.500	0.800
MC	-0.540	0.040	-0.601	-1.000	0.000	-0.500	0.400	-0.300	-0.800	-0.837
ZP	-0.140	-0.310	0.570	0.720	0.670	0.053	-0.710	-0.100	0.100	-0.100
TCOL	-0.435	-0.415	0.337	0.170	0.377	0.170	0.817	0.633	0.241	-0.516
FCOL	-0.008	-0.470	0.475	0.460	-0.000	0.411	0.810	0.075	0.517	0.809
OP	TP	CL	SO4	FA	MC	ZP	TCOL	FCOL		
OP	TP	CL	SO4	FA	MC	ZP	TCOL	FCOL		
OP	1.000									
TP	0.815	1.000								
CL	0.815	0.800	1.000							
SO4	0.615	0.707	0.930	1.000						
FA	1.000	0.685	-0.500	0.000	1.000					
MC	1.000	0.644	0.012	0.410	-1.000	1.000				
ZP	1.000	-0.140	0.140	0.777	-0.500	-0.335	1.000			
TCOL	0.777	0.511	0.052	0.824	-0.000	0.000	-0.707	1.000		
FCOL	0.572	0.472	0.731	0.550	1.000	-0.000	-0.000	0.527	1.000	

OSS-4, MONTHLY  
DISCHARGE  
ALL YEAR 1973

PAPAMETP	NO. OF SAUP	MAY	JUN	JUL	VARIANCE	STD. DEVI.
SPC	1	360.0000	360.0000	360.0000	0.0000	0.0000
TF	1	160.0000	160.0000	160.0000	0.0000	0.0000
TUP	1	6.2000	6.2000	6.2000	0.0000	0.0000
COL	1	5.0000	5.0000	5.0000	0.0000	0.0000
NP3N	6	0.2000	0.0000	0.0000	0.0000	0.0000
OPCN	3	0.4500	0.0000	0.3500	0.0000	0.0000
TDS	8	360.0000	210.0000	270.0000	300.0000	55.1107
TYS	8	175.0000	50.0000	89.0000	845.3821	29.0850
PFL	8	0.1000	0.0000	0.0000	0.0000	0.0000
SETR	8	0.0000	0.0000	0.0000	0.0000	0.0000
BF	1	0.0000	0.0000	0.0000	0.0000	0.0000
CD	1	0.0000	0.0000	0.0000	0.0000	0.0000
CP	5	0.1000	0.0000	0.0000	0.0000	0.0000
CU	1	0.1000	0.1000	0.1000	0.0000	0.0000
FE	1	0.0000	0.0000	0.0000	0.0000	0.0000
X	1	1.0000	1.0000	1.0000	0.0000	0.0000
NT	1	0.0000	0.0000	0.0000	0.0000	0.0000
PR	1	0.0000	0.0000	0.0000	0.0000	0.0000
V	3	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	SPC	TF	TUP	COL	NP3N	OPCN	TDS	TYS	PFL	SETR
SPC	1.000									
TF	1.000	1.000								
TUP	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
NP3N					1.000					
OPCN					0.500	1.000				
TDS	1.000	1.000	1.000	1.000	0.400	0.000	1.000			
TYS	1.000	1.000	1.000	1.000	0.000	0.000	0.000	1.000		
PFL	1.000	1.000	1.000	1.000	0.500	0.000	0.000	0.000	1.000	
SETR					1.000	1.000	1.000	1.000	1.000	1.000
BF	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CD	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CP	1.000	1.000	1.000	1.000	0.500	0.000	0.000	0.000	0.000	1.000
CU	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
FE	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
X	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
NT	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
PR	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
V	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
BF		BF	CD	CP	CU	FE	X	NT	PP	Y
CD			CD	CP	CU	FE	X	NT	PP	Y
CP				CP	CU	FE	X	NT	PP	Y
CU					CU	FE	X	NT	PP	Y
FE						FE	X	NT	PP	Y
X							X	NT	PP	Y
NT								NT	PP	Y
PP									PP	Y
Y										Y

OSS-1 MONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAHP	HAX	PER	IFAN	VAPJACF	STD. DEV.
PP	14	7.7000	7.8000	8.0143	7.2131	0.4822
T	14	76.0000	41.5000	54.7571	175.3488	17.8510
ALK	14	100.0000	00.0000	00.2057	42.2199	6.4077
PDO	12	17.2000	7.0000	9.2117	2.8952	1.7015
TRDP	14	2.0000	0.0000	1.8771	1.2000	1.0005
TCOD	13	40.0000	0.0000	17.0254	07.7584	9.3178
TS	14	450.0000	200.0000	297.1140	5468.1319	73.0480
TSS	14	220.0000	1.0000	23.0714	3293.1404	57.3660
HO3N	14	0.4500	0.0500	0.1020	0.0117	0.1002
TKN	10	1.3500	0.0000	0.5740	0.2707	0.5203
OP	14	0.0500	0.0000	0.0157	0.0004	0.0100
TP	14	0.2200	0.0100	0.0500	0.0030	0.0040
CL	14	85.0000	27.0000	48.2057	400.5275	21.4200
SO4	12	47.0000	20.0000	37.0167	42.2152	6.5012
HA	8	10.0000	9.4000	15.5063	14.6505	3.8226
HG	8	11.0000	7.8000	8.8200	1.3832	1.1741
ZN	10	0.0320	0.0000	0.0119	0.0001	0.0120
TCOL	11	4000.0000	0.0000	1305.2727	248982.4182	1571.5223
FCOL	12	95.0000	0.0000	23.1167	1067.8061	32.6742

CORRELATION MATRIX FOLLOWS:

	PP	T	ALK	PDO	TRDP	TCOD	TS	TSS	HO3N	TKN
PP	1.000									
T	0.617	1.000								
ALK	0.514	0.732	1.000							
PDO	0.313	0.391	0.352	1.000						
TRDP	0.329	0.188	0.108	0.150	1.000					
TCOD	0.116	0.108	0.278	0.301	0.202	1.000				
TS	0.582	0.190	0.200	0.334	0.458	0.444	1.000			
TSS	0.111	0.429	0.379	0.336	0.588	0.117	0.449	1.000		
HO3N	0.067	0.277	0.117	0.127	0.521	0.253	0.878	0.714	1.000	
TKN	0.203	0.064	0.185	0.192	0.571	0.232	0.408	0.577	0.577	1.000
OP	0.570	0.413	0.474	0.043	0.070	0.345	0.587	0.006	0.480	0.019
TP	0.298	0.304	0.270	0.248	0.511	0.091	0.710	0.011	0.709	0.660
CL	0.417	0.318	0.364	0.430	0.008	0.572	0.701	0.027	0.407	0.336
SO4	0.199	0.425	0.173	0.041	0.077	0.154	0.000	0.118	0.131	0.633
HA	0.605	0.268	0.184	0.709	0.798	0.329	0.609	0.351	0.515	0.079
HG	0.873	0.660	0.642	0.306	0.161	0.074	0.308	0.193	0.617	0.206
ZN	0.300	0.339	0.172	0.009	0.276	0.335	0.545	0.585	0.423	0.027
TCOL	0.055	0.542	0.442	0.416	0.270	0.032	0.158	0.579	0.188	0.015
FCOL	0.052	0.155	0.121	0.449	0.317	0.101	0.086	0.013	0.041	0.408

	OP	TP	CL	SO4	HA	HG	ZN	TCOL	FCOL
OP	1.000								
TP	0.261	1.000							
CL	0.774	0.172	1.000						
SO4	0.129	0.004	0.090	1.000					
HA	0.009	0.107	0.537	0.149	1.000				
HG	0.567	0.224	0.037	0.869	0.458	1.000			
ZN	0.582	0.558	0.283	0.300	0.345	0.300	1.000		
TCOL	0.272	0.475	0.124	0.487	0.177	0.248	0.223	1.000	
FCOL	0.043	0.122	0.265	0.128	0.228	0.313	0.007	0.447	1.000

OSS-1 MONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAIP	HAX	PTH	HEAN	VAPJA*CF	STD. DEV.
SPC	10	370.0000	270.0000	306.0000	-2571.1111	50.2197
TH	2	157.0000	150.0000	151.0000	2.0000	1.4142
TUR	2	4.0000	4.0000	4.2000	0.0450	0.2121
COL	2	5.0000	5.0000	5.0000	0.0000	0.0000
NR3N	11	0.2000	0.0000	0.1700	0.0000	0.0000
OPGN	6	1.1500	0.1000	0.4000	0.1000	0.4307
TDS	14	370.0000	190.0000	274.0000	1371.0100	57.6200
TYS	14	130.0000	0.0000	0.0000	451.7000	21.2000
PFL	14	0.1000	0.0000	0.0100	0.0000	0.0300
SETR	10	0.0000	0.0000	0.0000	1.0000	1.2000
BE	2	0.0170	0.0050	0.0110	0.0000	0.0000
CD	2	0.0000	0.0000	0.0000	0.0000	0.0000
CP	10	0.5000	0.0000	0.1210	0.0270	0.1000
CU	2	0.3300	0.2000	0.3050	0.0013	0.0350
FE	2	1.2500	1.0000	1.1250	0.0313	0.1700
K	2	1.6200	1.0000	1.6200	0.0000	0.0000
KI	2	0.0100	0.0200	0.0250	0.0000	0.0071
PR	2	0.0050	0.0000	0.0025	0.0000	0.0000
V	6	0.2000	0.0000	0.0500	0.0070	0.0037

## CORRELATION MATRIX FOLLOWS:

	SPC	TH	TUR	COL	NR3N	OPGN	TDS	TYS	PFL	SETR
SPC	1.000									
TH	1.000	1.000								
TUR	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
NR3N	0.837				1.000					
OPGN	0.377				0.810	1.000				
TDS	0.424	-1.000	-1.000	1.000	0.279	0.000	1.000			
TYS	0.297	-1.000	-1.000	1.000	0.049	0.420	0.400	1.000		
PFL	0.065	1.000	1.000	1.000	0.101	0.723	0.407	0.042	1.000	
SETR	1.000				0.250	0.720	0.200	0.207	0.705	1.000
BE	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CD	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CP	0.537	1.000	1.000	1.000	-0.661	-0.403	0.057	0.427	-0.420	-0.361
CU	1.000	-1.000	-1.000	1.000			1.000	1.000	1.000	
FE	1.000	-1.000	-1.000	1.000			1.000	1.000	1.000	
K	1.000	-1.000	-1.000	1.000			1.000	1.000	1.000	
KI	1.000	-1.000	-1.000	1.000			1.000	1.000	1.000	
PR	1.000	-1.000	-1.000	1.000			1.000	1.000	1.000	
V	-0.905	1.000	1.000	1.000	-0.302	-0.494	-0.742	0.139	-0.302	-0.522

	FE	CD	CP	CU	FE	K	FI	PR	V
FE	1.000				1.000				
CD	1.000	1.000			1.000				
CP	1.000	1.000	1.000		1.000				
CU	1.000	1.000	1.000	1.000	1.000				
FE	1.000	1.000	1.000	1.000	1.000	1.000			
K	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
FI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
PR	1.000	1.000	0.850	1.000	1.000	1.000	1.000	1.000	1.000
V	1.000	1.000							



OSS-2, MONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAIP	HAZ	MIN	MEAN	VARIANCE	STD. DEV.
PR	14	8.0000	6.0000	8.0214	0.3034	0.5508
T	14	74.0000	40.0000	52.7500	156.9927	12.5261
ALX	14	105.0000	70.0000	80.2957	50.6595	7.1104
FDO	12	12.2000	7.0000	9.6523	1.9745	1.3873
TROD	14	3.0000	0.0000	1.5000	0.5769	0.7596
TCOD	12	20.0000	10.0000	16.4167	20.2152	4.5017
TS	14	520.0000	175.0000	280.2143	1575.4171	39.6899
TSS	14	20.0000	0.0000	6.5000	57.6538	7.5930
ROSH	14	0.3000	0.0000	0.1500	0.0132	0.1149
TKR	10	1.1600	0.0000	0.4340	0.2126	0.4611
OP	14	0.0000	0.0000	0.0193	0.0007	0.0273
TP	14	0.1000	0.0000	0.0343	0.0008	0.0277
CL	14	120.0000	70.0000	83.4206	743.9560	27.2756
SO4	12	48.0000	20.0000	33.2500	42.7500	6.5393
NA	8	18.7000	0.0000	14.3475	19.0540	4.2502
HC	6	0.0000	0.0000	0.0000	0.0000	0.0000
ZP	10	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	12	1310.0000	0.0000	280.2500	132916.2045	364.5767
FCOL	12	73.0000	0.0000	15.6667	775.6970	26.4388

COPELATION MATRIX FOLLOWS:

	PR	T	ALX	FDO	TROD	TCOD	TS	TSS	ROSH	TKR
PR	1.000									
T	0.651	1.000								
ALX	0.355	0.753	1.000							
FDO	0.415	0.249	0.297	1.000						
TROD	0.671	0.483	0.447	0.308	1.000					
TCOD	0.670	0.293	0.171	0.390	0.570	1.000				
TS	0.710	0.303	0.419	0.381	0.665	0.844	1.000			
TSS	0.005	0.186	0.067	0.491	0.380	0.195	0.070	1.000		
ROSH	0.761	0.795	0.657	0.517	0.657	0.678	0.621	0.268	1.000	
TKR	0.103	0.326	0.445	0.121	0.120	0.500	0.130	0.002	0.160	1.000
OP	0.664	0.457	0.502	0.449	0.591	0.610	0.725	0.083	0.560	0.369
TP	0.672	0.356	0.217	0.611	0.476	0.575	0.673	0.103	0.612	0.219
CL	0.619	0.307	0.250	0.720	0.550	0.694	0.943	0.087	0.506	0.390
SO4	0.347	0.076	0.209	0.458	0.382	0.225	0.740	0.271	0.107	0.411
NA	0.308	0.002	0.182	0.038	0.570	0.446	0.681	0.643	0.135	0.079
HC	0.799	0.908	0.873	0.697	0.773	0.151	0.395	0.179	0.640	0.223
ZP	0.576	0.624	0.566	0.531	0.090	0.035	0.267	0.266	0.385	0.596
TCOL	0.717	0.270	0.303	0.735	0.559	0.662	0.800	0.140	0.610	0.529
FCOL	0.355	0.059	0.374	0.077	0.030	0.249	0.142	0.242	0.002	0.444
	OP	TP	CL	SO4	NA	HC	ZP	TCOL	FCOL	
	OP	TP	CL	SO4	NA	HC	ZP	TCOL	FCOL	
OP	1.000									
TP	0.901	1.000								
CL	0.647	0.594	1.000							
SO4	0.521	0.449	0.741	1.000						
NA	0.557	0.116	0.691	0.489	1.000					
HC	0.254	0.281	0.377	0.200	0.330	1.000				
ZP	0.267	0.198	0.197	0.056	0.265	0.562	1.000			
TCOL	0.876	0.837	0.938	0.602	0.037	0.542	0.180	1.000		
FCOL	0.128	0.178	0.275	0.046	0.363	0.297	0.071	0.129	1.000	

OSS-2, MONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	10	490.0000	220.0000	320.0000	6227.7778	82.6300
TP	2	148.0000	147.0000	147.5000	0.5000	0.7071
TUR	2	5.5000	4.1000	4.8000	0.7800	0.8840
COL	2	3.0000	1.0000	3.0000	0.0000	0.0000
NP3N	11	0.2000	0.0000	0.0400	0.0069	0.0831
ORGN	6	1.1000	0.0000	0.3500	0.1500	0.3873
TDS	14	520.0000	193.0000	282.8571	6948.9011	83.3601
TYS	14	175.0000	50.0000	84.2857	1084.0659	32.9252
PFL	14	0.0600	0.0000	0.0140	0.0006	0.0240
SETR	10	0.0000	0.0000	0.0000	0.0000	0.0000
BE	2	0.0190	0.0000	0.0120	0.0001	0.0099
CD	2	0.0000	0.0000	0.0000	0.0000	0.0000
CR	10	0.2000	0.0000	0.0641	0.0038	0.0759
CU	2	0.3600	0.3600	0.3600	0.0000	0.0000
FE	2	0.2000	0.2100	0.2200	0.0000	0.0141
K	2	1.6000	1.5000	1.6000	0.0000	0.0000
NI	2	0.1000	0.0000	0.1000	0.0000	0.0000
PD	2	0.1200	0.0000	0.0600	0.0000	0.0000
Y	6	0.5000	0.0000	0.1500	0.0430	0.2074

CORRELATION MATRIX FOLLOWS:

	SPC	TP	TUR	COL	NP3N	ORGN	TDS	TYS	PFL	SETR
SPC	1.000									
TP	1.000	1.000								
TUR	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
NP3N	0.467				1.000					
ORGN	0.187				0.216	1.000				
TDS	0.819	1.000	1.000	1.000	0.096	0.555	1.000			
TYS	0.616	1.000	1.000	1.000	0.130	0.528	0.844	1.000		
PFL	0.192	1.000	1.000	1.000	0.022	0.307	0.197	0.140	1.000	
SETR	1.000				1.000	1.000	1.000	1.000	1.000	1.000
BE	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CD	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CR	0.200	1.000	1.000	1.000	0.350	0.708	0.513	0.228	0.473	1.000
CU	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
FE	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
K	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
NI	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
PD	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
Y	0.814	1.000	1.000	1.000	0.903	0.724	0.645	0.412	0.011	1.000
BE		CD	CR	CU	FE	K	NI	PR	Y	
BE		CD	CR	CU	FE	K	NI	PR	Y	
BE	1.000									
CD	1.000	1.000								
CR	1.000	1.000	1.000							
CU	1.000	1.000	1.000	1.000						
FE	1.000	1.000	1.000	1.000	1.000					
K	1.000	1.000	1.000	1.000	1.000	1.000				
NI	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
PD	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Y	1.000	1.000	0.736	1.000	1.000	1.000	1.000	1.000	1.000	

OSS-1 TO 4, MONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	44	8.8000	6.8000	7.9705	0.2128	0.4613
T	44	82.4000	40.5000	55.2273	169.8376	13.0310
ALK	44	105.0000	78.0000	88.9318	39.6464	6.2965
FDC	36	12.8000	7.6000	9.5039	2.6544	1.6292
TBOD	44	4.0000	0.0000	1.8636	0.8647	0.9299
TCOD	39	40.0000	3.0000	9.5128	40.8880	6.3944
TS	44	520.0000	195.0000	281.8182	5147.7801	71.7480
TSS	44	220.0000	0.0000	11.8162	1096.3848	33.1117
NO3N	44	0.4500	0.0000	0.1859	0.0117	0.1080
TKN	30	1.4100	0.0000	0.5267	0.2268	0.4762
OP	44	0.0000	0.0000	0.0159	0.0005	0.0221
TP	44	0.2200	0.0000	0.0366	0.0014	0.0377
CL	44	126.0000	26.0000	45.9545	545.0677	23.3467
SO4	38	48.0000	24.0000	35.0526	47.8350	6.9163
NA	23	15.0400	9.0000	14.9557	14.4078	3.7958
MG	24	11.6000	7.1000	8.2750	0.9211	0.9597
ZN	30	0.0500	0.0000	0.0112	0.0002	0.0130
TCOL	37	4000.0000	0.0000	611.3784	994386.4040	997.1893
FCOL	38	125.0000	0.0000	24.3158	1122.6543	33.5060

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDC	TBOD	TCOD	TS	TSS	NO3N	TKN
PH	1.000									
T	0.536	1.000								
ALK	-0.281	-0.638	1.000							
FDC	-0.461	-0.560	0.282	1.000						
TBOD	-0.460	-0.099	0.038	0.119	1.000					
TCOD	-0.251	-0.211	0.272	-0.059	0.313	1.000				
TS	-0.590	-0.200	0.262	0.015	0.541	0.496	1.000			
TSS	-0.042	0.183	-0.157	-0.228	0.398	0.138	0.430	1.000		
NO3N	-0.598	-0.570	0.318	0.325	0.476	0.368	0.579	0.403	1.000	
TKN	-0.033	-0.096	0.085	-0.132	0.318	-0.268	0.323	0.329	0.392	1.000
OP	-0.609	-0.456	0.407	0.325	0.277	0.401	0.699	0.047	0.430	-0.157
TP	-0.389	-0.032	-0.027	0.067	0.451	0.231	0.675	0.772	0.500	0.360
CL	-0.465	-0.209	0.269	0.007	0.307	0.590	0.852	0.087	0.365	-0.326
SO4	-0.156	-0.198	0.235	-0.031	0.309	0.224	0.520	0.043	0.181	0.195
NA	-0.089		-0.097	-0.354	0.514	0.351	0.586	0.249	0.236	0.135
MG	0.524	0.576	-0.003	-0.384	-0.289	-0.052	-0.177	0.255	-0.591	-0.315
ZN	-0.099	0.365	-0.345	-0.218	0.130	0.176	0.254	0.288	-0.059	-0.125
TCOL	-0.134	0.126	-0.055	-0.172	0.308	0.180	0.380	0.596	0.214	-0.044
FCOL	-0.130	-0.209	-0.018	0.012	-0.150	0.086	0.160	0.021	0.238	-0.336
OP		TP	CL	SO4	NA	MG	ZN	TCOL	FCOL	
TP		TP	CL	SO4	NA	MG	ZN	TCOL	FCOL	
CL			1.000							
SO4			0.499	1.000						
NA			0.165	0.253	1.000					
MG			-0.079	0.161	-0.157	1.000				
ZN			0.234	0.136	-0.180	0.044	1.000			
TCOL			0.566	0.255	0.069	0.002	0.281	1.000		
FCOL			-0.042	0.327	0.181	-0.041	-0.016	0.273	1.000	

OSS-1 TO 4, MONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	22	450.0000	220.0000	317.7273	4289.8268	65.4968
TH	6	160.0000	147.0000	151.1667	21.7667	4.6655
TUR	6	6.2000	4.1000	4.9833	3.8057	0.8976
CCL	6	5.0000	5.0000	5.0000	0.0000	0.0000
NH3N	35	0.2000	0.0000	0.1000	0.0071	0.0840
ORGN	18	1.1500	0.0000	0.4261	0.1332	0.3649
TDS	44	520.0000	155.0000	270.9091	4392.6427	65.5945
TVS	44	175.0000	50.0000	97.0000	741.8635	27.2371
PHL	44	0.1000	0.0000	0.0149	0.0078	0.0275
SETR	32	4.0000	0.0000	0.1250	0.0000	0.0000
BE	6	0.0100	0.0000	0.0096	0.0000	0.0000
CD	6	0.0000	0.0000	0.0000	0.0000	0.0000
CR	30	0.5000	0.0000	0.0724	0.0130	0.1139
CU	6	0.4200	0.2800	0.3467	0.0021	0.0463
FE	6	1.2500	0.2000	0.5483	0.2111	0.4595
K	6	1.6200	1.5400	1.5000	0.0011	0.0335
NI	6	0.1200	0.0000	0.0467	0.0024	0.0489
PB	6	0.1200	0.0000	0.0408	0.0026	0.0514
V	18	0.5000	0.0000	0.0778	0.0195	0.1396

## CORRELATION MATRIX FOLLOWS:

	SPC	TH	TUR	CCL	NH3N	ORGN	TDS	TVS	PHL	SETR
SPC	1.000									
TH	-0.304	1.000								
TUR	-0.716	0.536	1.000							
CCL	1.000	1.000	1.000	1.000						
NH3N	0.638				1.000					
ORGN	0.271				0.278	1.000				
TDS	0.678	-0.601	-0.890	1.000	0.335	-0.061	1.000			
TVS	0.225	-0.767	-0.855	1.000	0.224	-0.091	0.766	1.000		
PHL	-0.131	-0.274	-0.956	1.000	0.156	0.228	-0.269	-0.176	1.000	
SETR	1.000				0.197	0.481	-0.115	0.103	0.487	1.000
BE	0.742	-0.317	-0.690	1.000			0.595	0.396	0.726	
CD	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CR	-0.603	-0.609	-0.158	1.000	-0.073	-0.097	-0.162	0.329	-0.359	-0.194
CU	0.070	-0.339	0.354	1.000			-0.284	-0.109	-0.552	
FE	0.050	0.098	-0.555	1.000			0.329	0.470	0.648	
K	0.231	0.233	-0.466	1.000			0.529	0.208	0.655	
NI	-0.112	-0.734	-0.134	1.000			0.473	0.396	-0.075	
PB	0.832	-0.438	-0.678	1.000			0.756	0.657	0.586	
V	-0.782	1.000	1.000	1.000	-0.005	0.291	-0.438	-0.218	-0.134	-0.232

	BE	CD	CR	CU	FE	K	NI	PB	V
BE	1.000								
CD	1.000	1.000							
CR	0.330	1.000	1.000						
CU	-0.355	1.000	0.223	1.000					
FE	0.061	1.000	-0.554	-0.692	1.000				
K	0.407	1.000		-0.826	0.528	1.000			
NI	0.140	1.000	0.925	0.215	-0.404	-0.147	1.000		
PB	0.387	1.000	0.289	0.262	0.043	0.198	0.121	1.000	
V	1.000	1.000	0.719	1.000	1.000	1.000	1.000	1.000	1.000

NMP-1 BIMONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
DP	13	8.0000	7.0000	8.3300	0.1055	0.3250
SPC	12	490.0000	220.0000	301.5557	7119.6070	84.3783
T	13	80.0000	42.0000	60.0300	180.7573	12.0007
TUP	13	22.0000	0.0000	4.3046	35.0007	5.9237
CO2	12	1.0000	0.0000	0.3333	0.3070	0.4448
PRO	13	17.1000	7.2000	9.7462	2.3280	1.5251
TROP	13	4.0000	0.0000	1.8462	1.3410	1.0682
TCOP	13	27.0000	0.0000	12.0462	79.3077	8.0055
TS	13	350.0000	190.0000	241.2300	2761.5256	46.5055
TSS	13	12.0000	0.0000	3.7500	11.8023	3.4304
NO3N	13	0.3200	0.0100	0.1105	0.0085	0.0074
TFR	10	0.6500	0.0500	0.3000	0.0282	0.1670
OP	13	0.0300	0.0000	0.0054	0.0001	0.0007
TP	13	0.2700	0.0100	0.0505	0.0004	0.0062
CFLA	13	15.0000	0.0000	4.0046	15.0707	3.0040
ST	7	0.0000	0.0000	0.0571	5.1420	2.2678

CORRELATION MATRIX FOLLOWS:

	DP	SPC	T	TUP	CO2	PRO	TROP	TCOP	TS	TSS
DP	1.000									
SPC	0.506	1.000								
T	0.736	0.604	1.000							
TUP	0.565	0.520	0.107	1.000						
CO2	0.556	0.657	0.749	0.233	1.000					
PRO	0.489	0.017	0.022	0.348	0.307	1.000				
TROP	0.225	0.042	0.162	0.274	0.007	0.690	1.000			
TCOP	0.116	0.114	0.034	0.138	0.008	0.009	0.164	1.000		
TS	0.265	0.853	0.375	0.631	0.306	0.259	0.180	0.054	1.000	
TSS	0.016	0.372	0.000	0.257	0.182	0.164	0.240	0.201	0.511	1.000
NO3N	0.746	0.451	0.833	0.304	0.974	0.540	0.088	0.045	0.136	0.387
TFR	0.155	0.654	0.206	0.126	0.060	0.503	0.355	0.228	0.576	0.002
OP	0.322	0.303	0.365	0.272	0.034	0.140	0.006	0.214	0.204	0.016
TP	0.332	0.237	0.072	0.077	0.406	0.402	0.385	0.116	0.345	0.079
CFLA	0.567	0.470	0.330	0.266	0.257	0.270	0.477	0.041	0.440	0.195
ST	0.112	0.170	0.692	0.215	0.200	0.132	0.344	0.452	0.102	0.063

	NO3P	TFR	OP	TP	CFLA	ST
NO3P	1.000					
TFR	0.164	1.000				
OP	0.142	0.369	1.000			
TP	0.037	0.193	0.064	1.000		
CFLA	0.322	0.242	0.225	0.752	1.000	
ST	0.481	0.041	0.167	0.181	0.034	1.000

NMP-1 BIMONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAIP	MAY	JUN	JUL	AUG	SEP. DEY.
PH	12	8.0000	7.0000	8.2583	0.0045	0.2905
SPC	13	360.0000	210.0000	283.8482	1037.3077	54.9300
T	14	78.0000	41.0000	57.8214	170.7072	13.0680
TUP	13	15.0000	0.0000	4.7802	13.3500	3.8550
CO2	12	2.0000	0.0000	0.5587	0.8081	0.7784
FDO	14	12.3000	7.0000	9.7500	3.2542	1.0087
TCOP	13	3.0000	1.0000	1.8023	0.7318	0.8540
TCOP	13	21.0000	3.0000	11.0000	38.8333	6.0500
TS	13	366.0000	190.0000	273.3077	2548.8074	50.4688
TSS	13	46.0000	1.0000	7.7802	147.3500	11.9314
TCOP	13	0.3000	0.0000	0.1177	0.0130	0.1174
TRP	10	0.0700	0.0000	0.4300	0.1060	0.3290
OP	13	0.0400	0.0000	0.0100	0.0001	0.0100
TP	13	0.4300	0.0100	0.0502	0.0116	0.1070
CFLA	13	14.8000	0.0000	5.3438	21.3704	4.8210
ST	8	3.0000	0.0000	0.8750	1.8303	1.3562

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUP	CO2	FDO	TCOP	TCOP	TS	TSS
PH	1.000									
SPC	0.482	1.000								
T	0.624	0.829	1.000							
TUP	0.100	0.576	0.240	1.000						
CO2	0.775	0.780	0.793	0.181	1.000					
FDO	0.235	0.425	0.724	0.186	0.801	1.000				
TCOP	0.479	0.325	0.888	0.340	0.712	0.738	1.000			
TCOP	0.084	0.521	0.456	0.084	0.578	0.248	0.369	1.000		
TS	0.044	0.454	0.069	0.789	0.005	0.299	0.458	0.073	1.000	
TSS	0.231	0.509	0.106	0.834	0.086	0.201	0.488	0.132	0.850	1.000
TCOP	0.699	0.457	0.798	0.180	0.889	0.764	0.013	0.219	0.341	0.387
TRP	0.195	0.240	0.026	0.585	0.227	0.545	0.579	0.244	0.384	0.510
OP	0.471	0.220	0.218	0.654	0.176	0.335	0.832	0.038	0.803	0.847
TP	0.682	0.211	0.104	0.310	0.152	0.427	0.180	0.166	0.254	0.034
CFLA	0.184	0.726	0.576	0.400	0.344	0.310	0.177	0.305	0.287	0.408
ST	0.320	0.089	0.010	0.614	0.300	0.040	0.348	0.224	0.433	0.566
TCOP	1.000									
TRP	0.498	1.000								
TP	0.578	0.413	1.000							
TCOP	0.056	0.522	0.136	1.000						
CFLA	0.323	0.079	0.174	0.142	1.000					
ST	0.461	0.371	0.402	0.212	0.102	1.000				

NMP-2 BIMONTHLY  
SURFACE  
ALL YEAR 1973

P/PA/T/TFP	NO. OF SAIP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	13	8.0000	8.0000	8.9802	0.1072	0.3276
SPC	13	370.0000	220.0000	277.0221	2000.2446	44.7102
T	14	80.0000	44.0000	60.5357	153.1132	12.3730
TUP	14	5.0000	0.0000	2.8571	4.1310	2.0327
CO2	13	1.0000	0.0000	0.3077	0.1201	0.3464
FDO	14	12.5000	7.5000	9.2226	2.2237	1.5112
TPOD	14	4.0000	1.0000	2.0000	0.0231	0.0609
TCOD	14	30.0000	3.0000	14.5000	50.6077	7.2335
TS	14	275.0000	170.0000	221.0000	571.0760	23.8072
TSS	14	6.0000	0.0000	2.2257	3.0044	1.7405
NO3N	14	0.3300	0.0000	0.0914	0.0127	0.1127
TFN	11	1.0000	0.1000	0.4827	0.0296	0.2002
OP	14	0.0200	0.0000	0.0057	0.0000	0.0005
TP	14	0.1200	0.0000	0.0354	0.0011	0.0336
CHLA	14	12.7000	0.0000	4.6020	13.9302	3.7325
SI	P	2.0000	0.0000	0.5000	0.8571	0.9250

CORRELATION MATRIX FOLLOWS:

	PP	SPC	T	TUP	CO2	FDO	TPOD	TCOD	TS	TSS
PP	1.000									
SPC	0.522	1.000								
T	0.613	0.930	1.000							
TUP	0.330	0.496	0.565	1.000						
CO2	0.617	0.813	0.934	0.406	1.000					
FDO	0.183	0.450	0.511	0.044	0.462	1.000				
TPOD	0.432	0.340	0.317	0.363	0.722	0.722	1.000			
TCOD	0.183	0.137	0.051	0.084	0.003	0.102	0.104	1.000		
TS	0.550	0.410	0.345	0.445	0.502	0.377	0.131	0.323	1.000	
TSS	0.232	0.101	0.030	0.350	0.194	0.112	0.127	0.330	0.110	1.000
NO3N	0.574	0.767	0.840	0.563	0.925	0.378	0.433	0.097	0.452	0.124
TFN	0.046	0.212	0.063	0.473	0.061	0.580	0.527	0.000	0.373	0.371
OP	0.560	0.836	0.656	0.460	0.601	0.105	0.124	0.046	0.727	0.018
TP	0.148	0.230	0.136	0.396	0.070	0.284	0.350	0.120	0.370	0.128
CHLA	0.326	0.843	0.774	0.438	0.591	0.180	0.040	0.072	0.350	0.120
SI	0.118	0.082	0.058	0.057	1.000	0.420	0.577	0.600	0.323	0.460
NO3N	1.000									
TFN	0.151	1.000								
OP	0.717	0.227	1.000							
TP	0.069	0.533	0.102	1.000						
CHLA	0.508	0.074	0.563	0.273	1.000					
SI	0.332	0.074	0.333	0.010	0.101	1.000				

NMP-2, BIMONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAIP	MEAN	STD.	MEAN	VARIANCE	STD. DEV.
PP	12	8.0000	0.0000	8.2500	0.0000	0.2500
SPC	13	310.0000	200.0000	240.0000	100.0000	10.0000
T	14	71.0000	40.0000	51.0000	10.0000	10.0000
TUR	13	52.0000	0.0000	10.0000	0.0000	17.0000
CO2	12	2.5000	0.0000	0.7500	0.5625	0.7500
FDO	14	13.0000	5.0000	0.7500	0.0000	1.7500
TRON	13	2.0000	0.0000	1.5000	0.0000	0.5000
TCOD	13	85.0000	2.0000	10.0000	0.0000	10.0000
TS	13	420.0000	200.0000	200.0000	0.0000	30.0000
TSS	13	250.0000	0.0000	20.0000	0.0000	70.0000
HCAN	13	0.0000	0.0000	0.0000	0.0000	0.0000
TFN	11	1.1200	0.0000	0.0000	0.0000	0.0000
OP	13	0.0000	0.0000	0.0000	0.0000	0.0000
TP	13	0.0000	0.0000	0.0000	0.0000	0.0000
CPLA	13	25.0000	0.0000	0.0000	0.0000	7.1200
ST	8	6.0000	0.0000	0.7500	0.5625	2.1213

CORRELATION MATRIX FOLLOWS:

	PP	SPC	T	TUR	CO2	FDO	TRON	TCOD	TS	TSS
PP	1.000									
SPC	0.296	1.000								
T	0.584	0.873	1.000							
TUR	0.474	0.005	-0.003	1.000						
CO2	-0.238	-0.025	-0.750	0.224	1.000					
FDO	0.196	-0.452	-0.507	0.400	0.500	1.000				
TRON	-0.169	0.127	-0.170	0.300	-0.127	0.561	1.000			
TCOD	-0.007	0.203	0.016	0.672	0.101	-0.028	0.211	1.000		
TS	0.012	0.019	-0.165	0.801	0.289	0.255	0.441	0.873	1.000	
TSS	-0.067	0.001	-0.216	0.806	0.285	0.180	0.305	0.919	0.956	1.000
HCAN	-0.638	-0.710	-0.879	-0.001	0.578	0.540	0.306	-0.129	0.130	0.122
TFN	0.341	-0.555	-0.574	0.621	0.633	0.817	0.287	-0.335	0.305	-0.112
OP	-0.171	-0.055	-0.275	0.540	0.315	0.004	0.074	0.800	0.806	0.913
TP	0.760	0.418	0.459	0.380	-0.211	0.286	0.000	0.002	0.181	0.127
CPLA	-0.040	-0.033	-0.016	-0.050	0.002	0.271	0.459	-0.174	0.007	-0.084
ST	-0.187	-0.353	-0.226	-0.106	0.112	-0.214	-0.200	-0.214	0.017	-0.321
HCAN	1.000									
TFN	0.527	1.000								
OP	0.105	-0.468	1.000							
HCAN	1.000									
TFN	0.366	0.030	-0.003	1.000						
CPLA	0.175	0.445	-0.308	-0.050	1.000					
ST	0.157	-0.044	0.143	-0.200	-0.200	1.000				



**NMP-3, BIMONTHLY  
SURFACE  
ALL YEAR 1973**

PARAMETER	NO. OF SAMP.	MAY	JUN	JUL	VARIANCE	STD. DEV.
PH	13	8.0000	7.8000	7.3077	0.1124	0.3353
SPC	13	370.0000	270.0000	299.0769	3793.0103	61.5047
T	14	86.0000	42.0000	63.2286	208.3303	14.4345
TUR	14	6.0000	0.0000	2.3571	4.4011	2.0979
CO2	13	1.5000	0.0000	0.3077	0.2308	0.4804
FDO	14	17.1000	7.8000	0.6849	2.0200	1.4216
TRDP	14	3.0000	1.0000	1.0286	0.6889	0.8297
TCOD	13	55.0000	1.0000	14.0000	211.3333	14.5373
TS	14	341.0000	200.0000	235.1429	1530.1319	39.1150
TSS	14	11.0000	1.0000	4.0714	8.0045	2.8991
RO3N	14	0.2300	0.0000	0.1000	0.0130	0.1142
TFP	11	0.7100	0.0500	0.3018	0.0322	0.1795
OP	14	0.0300	0.0000	0.0114	0.0001	0.0110
TP	14	0.1200	0.0100	0.0379	0.0010	0.0317
CPLA	14	29.0000	0.8000	5.0357	53.0017	7.2864
ST	8	5.0000	0.0000	0.7500	3.0714	1.7525

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TRDP	TCOD	TS	TSS
PH	1.000									
SPC	0.320	1.000								
T	0.568	0.764	1.000							
TUR	0.184	0.411	0.385	1.000						
CO2	-0.643	-0.646	-0.734	-0.520	1.000					
FDO	-0.343	0.002	-0.536	-0.220	0.487	1.000				
TRDP	-0.084	0.256	-0.088	0.450	0.025	0.420	1.000			
TCOD	-0.088	-0.018	-0.218	-0.105	-0.165	-0.389	0.288	1.000		
TS	-0.053	0.424	-0.025	0.587	-0.165	0.563	0.605	0.277	1.000	
TSS	-0.319	-0.154	-0.120	-0.249	0.217	0.073	-0.307	-0.244	-0.213	1.000
RO3N	-0.664	0.854	-0.889	-0.205	-0.820	0.530	0.138	-0.445	0.088	0.357
TFP	-0.413	0.342	-0.034	-0.095	-0.241	0.160	0.240	-0.023	0.002	0.009
OP	-0.514	-0.386	-0.485	-0.124	-0.171	0.004	0.012	0.088	-0.272	0.160
TP	-0.086	-0.209	-0.442	-0.277	0.177	0.501	0.287	-0.157	0.213	0.123
CPLA	-0.023	0.590	0.190	0.425	-0.349	0.533	0.356	-0.186	0.831	-0.245
ST	-0.170	0.254	0.583	0.409	1.000	-0.416	0.303	0.037	-0.260	-0.138
RO3P		TFP	OP	TP	CPLA	ST				
RO3P	1.000									
TFP	-0.207	1.000								
OP	0.404	-0.386	1.000							
TP		RO3N	TFP	OP	TP	CPLA	ST			
TP	-0.323	0.069	-0.275	1.000						
CPLA	-0.163	-0.010	-0.370	-0.011	1.000					
ST	-0.441	0.221	0.247	-0.187	-0.352	1.000				

NMP-3, BIMONTHLY  
BOTTOM  
ABL YEAR 1973

PARAMETER	NO. OF SAIP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	13	8.0000	7.7000	8.1846	0.1014	0.3184
SPC	13	370.0000	210.0000	290.7507	2020.5258	54.1150
T	14	78.0000	42.0000	58.5571	170.2749	13.0474
TUP	14	27.0000	0.0000	8.0714	58.9045	7.6688
CO2	12	7.0000	0.0000	0.5000	0.5455	0.7385
FPO	14	13.2000	7.4000	9.8071	3.0438	1.7446
TPOD	14	3.0000	1.0000	1.6429	0.5540	0.7440
TCOD	14	48.0000	0.0000	13.5714	161.4045	12.7000
TS	14	390.0000	208.0000	252.5714	2240.4045	47.4288
TSS	14	120.0000	1.0000	10.4286	1274.4176	35.8405
NO3N	14	0.3300	0.0000	0.1514	0.0178	0.1335
TKN	11	1.2400	0.1000	0.5382	0.1116	0.3340
OP	14	0.0700	0.0000	0.0164	0.0003	0.0174
TP	14	0.4700	0.0100	0.0650	0.0151	0.1228
CPLA	14	35.0000	0.0000	7.1786	82.8864	9.1031
SI	8	2.0000	0.0000	1.0000	2.5714	1.6036

CORRELATION MATRIX FOLLOWS:

	PP	SPC	T	TUP	CO2	FPO	TPOD	TCOD	TS	TSS
PP	1.000									
SPC	0.304	1.000								
T	0.558	0.871	1.000							
TUP	0.495	0.339	0.334	1.000						
CO2	-0.540	-0.801	-0.790	-0.401	1.000					
FPO	-0.084	-0.522	-0.814	0.385	-0.376	1.000				
TPOD	0.083	0.048	-0.115	0.677	-0.193	0.683	1.000			
TCOD	0.685	0.257	0.364	0.700	-0.505	0.309	0.592	1.000		
TS	-0.342	0.275	0.111	0.456	-0.067	0.304	0.516	-0.100	1.000	
TSS	0.383	0.114	0.178	0.960	-0.210	0.575	0.720	0.673	0.453	1.000
NO3N	-0.245	-0.573	-0.703	0.294	-0.642	0.786	0.500	-0.022	0.394	0.460
TKN	0.437	0.183	0.083	0.750	-0.331	0.645	0.815	0.545	0.410	0.732
OP	-0.489	0.195	-0.140	0.377	-0.033	0.326	0.607	-0.025	0.828	0.387
TP	-0.182	0.264	0.021	0.665	-0.189	0.420	0.685	0.248	0.852	0.705
CPLA	-0.037	0.432	0.251	0.604	-0.215	0.233	0.576	0.347	0.686	0.684
SI	0.654	-0.310	-0.002	0.260	-0.211	0.135	0.007	0.181	-0.111	0.268
	NO3N	TKN	OP	TP	CPLA	SI				
NO3N	1.000									
TKN	0.522	1.000								
OP	0.384	0.236	1.000							
	NO3N	TKN	OP	TP	CPLA	SI				
TP	0.405	0.498	0.842	1.000						
CPLA	0.231	0.416	0.755	0.910	1.000					
SI	0.074	0.229	0.297	0.077	0.220	1.000				

NMP-4, BIMONTHLY  
'SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAIP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	13	9.1000	7.0000	8.3385	0.1250	0.3540
SPC	13	380.0000	80.0000	283.0760	6302.2430	79.3867
T	14	84.2000	43.0000	62.0643	170.4753	13.2969
TUP	14	7.0000	0.0000	3.0000	5.5385	2.3534
CO2	13	1.0000	0.0000	0.2692	0.1023	0.3205
FDO	14	12.8000	7.7000	9.9214	2.0634	1.4364
TROP	14	3.0000	1.0000	2.1429	0.4397	0.6630
TCOD	14	60.0000	0.0000	12.5000	235.3462	15.3410
TS	14	331.0000	195.0000	292.2957	1000.1420	31.6337
TSS	14	7.0000	1.0000	2.7143	3.2067	1.8157
NO3N	14	0.3300	0.0000	0.1071	0.0173	0.1315
TKN	11	0.9000	0.0000	0.4627	0.0889	0.2982
OP	14	0.0200	0.0000	0.0057	0.0000	0.0065
TP	14	0.3000	0.0000	0.0457	0.0059	0.0768
CPLA	14	27.0000	0.0000	6.4571	40.0928	7.0059
ST	8	7.0000	0.0000	1.0000	6.0000	2.4495

CORRELATION MATRIX FOLLOWS:

	PP	SPC	T	TUP	CO2	FDO	TROP	TCOD	TS	TSS
PP	1.000									
SPC	0.586	1.000								
T	0.600	0.510	1.000							
TUP	0.603	0.397	0.715	1.000						
CO2	-0.570	-0.272	-0.802	-0.571	1.000					
FDO	-0.178	-0.415	-0.498	-0.059	0.486	1.000				
TROP	-0.344	-0.200	-0.155	0.148	0.089	0.579	1.000			
TCOD	0.074	-0.177	0.153	0.062	-0.285	-0.186	0.053	1.000		
TS	0.126	-0.167	0.185	0.562	-0.306	0.653	0.612	-0.029	1.000	
TSS	-0.116	0.401	0.263	0.144	-0.048	-0.363	0.037	0.180	-0.086	1.000
NO3N	-0.718	-0.503	-0.806	-0.575	0.003	0.545	0.217	-0.223	-0.015	-0.034
TKN	-0.265	-0.142	-0.262	0.093	-0.335	0.387	0.051	-0.109	-0.406	-0.262
OP	-0.292	0.141	-0.045	-0.253	-0.045	-0.412	-0.026	-0.385	-0.347	-0.019
TP	-0.071	-0.082	-0.287	-0.320	-0.259	0.180	0.089	-0.206	-0.001	-0.308
CPLA	-0.089	-0.418	0.327	0.291	-0.509	0.250	0.185	-0.072	-0.612	-0.230
ST	-0.181	-0.194	-0.183	0.188	1.000	-0.454	-0.070	0.254	-0.221	-0.056

	NO3N	TKN	OP	TP	CPLA	ST
NO3N	1.000					
TKN	0.158	1.000				
OP	-0.069	-0.044	1.000			

	NO3N	TKN	OP	TP	CPLA	ST
TP	-0.069	0.536	0.224	1.000		
CPLA	-0.201	-0.079	-0.249	-0.072	1.000	
ST	-0.281	-0.088	0.436	-0.210	0.006	1.000

NMP-4, BIMONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	ITAN	VARIANCE	STD. DEV.
PH	13	8.0000	7.0000	8.1760	0.0853	0.2925
SPC	12	310.0000	200.0000	242.0000	1006.8200	31.7274
T	14	71.0000	41.0000	52.5500	100.8827	10.0378
TUP	14	14.0000	0.0000	4.3571	18.7000	4.3276
CO2	12	7.0000	0.0000	0.5417	0.3845	0.6201
FDO	14	13.6000	6.5000	9.9143	3.7244	1.9299
TPOD	14	3.0000	1.0000	1.5714	0.4176	0.6462
TCOD	14	35.0000	1.0000	13.1429	88.0011	9.4297
TS	14	275.0000	175.0000	223.3571	719.5540	26.8254
TSS	14	51.0000	0.0000	7.4286	179.7253	13.3688
NO3N	14	0.3200	0.0000	0.1529	0.0126	0.1124
TKN	11	1.0000	0.0000	0.4673	0.1065	0.3263
OP	14	0.0200	0.0000	0.0093	0.0001	0.0073
TP	14	0.0400	0.0100	0.0207	0.0001	0.0092
CPLA	14	25.0000	0.8000	6.2957	49.6075	7.0433
SI	8	7.0000	0.0000	0.5000	0.5714	0.7550

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUP	CO2	FDO	TPOD	TCOD	TS	TSS
PH	1.000									
SPC	0.346	1.000								
T	0.522	0.925	1.000							
TUP	0.834	0.594	0.646	1.000						
CO2	-0.152	-0.294	-0.397	-0.099	1.000					
FDO	0.015	-0.549	-0.578	-0.199	0.307	1.000				
TPOD	0.093	-0.427	-0.518	-0.171	0.093	0.759	1.000			
TCOD	-0.071	0.351	0.271	-0.193	-0.407	-0.447	-0.444	1.000		
TS	0.215	-0.165	-0.072	0.424	-0.139	0.539	0.490	-0.248	1.000	
TSS	0.333	0.755	0.646	0.792	-0.087	-0.373	-0.351	0.025	0.262	1.000
NO3N	-0.588	-0.735	-0.879	-0.486	0.305	0.513	0.526	-0.328	0.142	-0.390
TKN	-0.283	-0.163	-0.105	0.037	-0.529	0.426	0.478	0.065	0.336	-0.229
OP	-0.117	-0.279	-0.095	0.199	0.496	-0.223	-0.396	-0.177	-0.427	0.405
TP	-0.129	-0.089	-0.013	0.095	-0.300	0.052	0.056	0.141	0.403	-0.098
CPLA	0.052	-0.342	-0.167	0.112	-0.043	0.626	0.311	-0.247	0.546	-0.149
SI	0.081	0.234	0.438	-0.183	-0.351	-0.556	-0.500	0.444	-0.412	-0.168
	NO3N	TKN	OP	TP	CPLA	SI				
NO3N	1.000									
TKN	0.149	1.000								
OP	-0.044	-0.888	1.000							
	NO3N	TKN	OP	TP	CPLA	SI				
TP	0.065	0.731	-0.566	1.000						
CPLA	0.254	0.277	-0.280	0.038	1.000					
SI	-0.619	-0.073	-0.340	0.250	-0.552	1.000				

NMP-5, BIMONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PF	14	9.0000	7.7000	8.2843	0.2040	0.4517
SPC	13	330.0000	220.0000	277.6923	1300.0641	37.2936
T	14	79.7000	42.8000	60.6420	182.0340	12.7293
TUP	14	6.0000	0.0000	3.1420	4.4396	2.1070
CO2	13	7.4000	0.0000	0.4538	0.5277	0.7264
FDO	14	12.7000	7.6000	9.7643	1.9471	1.3954
TROP	14	6.0000	1.0000	2.4284	1.9022	1.3425
TCOD	13	45.0000	0.0000	14.0231	160.5780	12.0222
TS	14	309.0000	105.0000	233.0714	1113.4580	33.3885
TSS	14	17.0000	0.0000	4.2143	16.7967	4.0994
NO3N	14	0.3600	0.0000	0.1207	0.0106	0.1401
TKN	11	1.0100	0.1500	0.5173	0.0853	0.2955
OP	14	0.0400	0.0000	0.0086	0.0001	0.0103
TP	14	0.5700	0.0100	0.0857	0.0041	0.1551
CPLA	14	16.0000	0.6000	6.5286	43.4437	6.5912
SI	8	6.0000	0.0000	0.8750	4.4107	2.1002

## CORRELATION MATRIX FOLLOWS:

	PF	SPC	T	TUP	CO2	FDO	TROP	TCOD	TS	TSS
PF	1.000									
SPC	0.736	1.000								
T	0.750	0.712	1.000							
TUP	0.321	0.564	0.686	1.000						
CO2	-0.635	-0.771	-0.805	-0.665	1.000					
FDO	-0.114	0.150	-0.493	-0.265	0.294	1.000				
TROP	0.256	0.327	0.106	0.303	-0.072	-0.296	1.000			
TCOD	0.155	-0.098	0.264	0.135	-0.285	0.415	0.330	1.000		
TS	-0.002	0.371	-0.211	-0.026	-0.027	0.820	0.370	-0.218	1.000	
TSS	0.308	0.206	0.005	-0.031	0.153	0.568	0.234	-0.145	0.422	1.000
NO3N	-0.711	-0.550	-0.781	-0.436	0.749	0.453	0.182	-0.260	0.371	-0.042
TKN	0.471	0.782	0.070	0.164	-0.401	-0.506	-0.276	-0.583	-0.592	0.439
OP	0.021	0.043	0.063	0.188	0.050	-0.310	-0.297	-0.130	-0.251	-0.175
TP	0.524	0.327	0.133	-0.163	-0.194	0.432	-0.013	-0.223	0.505	0.686
CPLA	0.709	0.835	0.565	0.464	-0.523	0.344	0.607	-0.009	0.550	0.499
SI	-0.239	-0.579	-0.272	-0.446	1.000	-0.305	-0.173	0.735	-0.004	-0.136
NO3N	1.000									
TKN	0.009	1.000								
OP	-0.128	0.213	1.000							
TP	0.183	0.578	-0.236	1.000						
CPLA	-0.220	0.715	-0.068	0.546	1.000					
SI	-0.237	-0.381	-0.006	-0.011	-0.581	1.000				

NMP-5, BIMONTHLY  
BOTTOM  
ALL YEAR 1973

PAPAIN TFP	NO. OF SAIP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	13	7.0000	7.0000	7.1923	0.1058	0.3252
SPC	13	330.0000	230.0000	277.6023	1491.7309	38.4931
T	14	73.0000	47.0000	57.2296	157.2653	12.5405
TUP	14	37.0000	0.0000	7.2957	93.2967	9.6590
CO2	13	4.0000	0.0000	0.7023	1.4941	1.2217
FDG	14	13.0000	6.0000	9.6643	2.7763	1.6662
TRCD	14	3.0000	1.0000	1.9296	0.5330	0.7300
TCOD	13	50.0000	1.0000	15.3946	225.7564	15.0252
TS	14	452.0000	100.0000	244.4296	4616.8701	67.0476
TSS	14	163.0000	1.0000	22.5714	1019.0330	43.8069
NO3N	14	0.0000	0.0000	0.1364	0.0207	0.1439
TEF	11	1.2300	0.2000	0.5045	0.1195	0.3442
OP	14	0.0000	0.0000	0.0129	0.0005	0.0213
TP	14	0.5300	0.0200	0.0900	0.0198	0.1406
CPLA	14	37.0000	0.0000	5.9643	93.0840	9.6480
SI	8	4.0000	0.0000	1.0000	2.2957	1.5110

CORRELATION MATRIX FOLLOWS:

	PP	SPC	T	TUP	CO2	FDG	TRCD	TCOD	TS	TSS
PP	1.000									
SPC	0.566	1.000								
T	0.757	0.662	1.000							
TUP	0.099	0.177	0.168	1.000						
CO2	0.723	0.557	0.617	0.311	1.000					
FDG	0.059	0.426	0.605	0.334	0.509	1.000				
TRCD	0.070	0.107	0.338	0.625	0.099	0.491	1.000			
TCOD	0.271	0.039	0.238	0.069	0.308	0.397	0.297	1.000		
TS	0.328	0.038	0.291	0.878	0.220	0.240	0.646	0.041	1.000	
TSS	0.422	0.170	0.372	0.835	0.312	0.194	0.571	0.072	0.933	1.000
NO3N	0.759	0.489	0.821	0.405	0.529	0.454	0.569	0.302	0.500	0.839
TEF	0.176	0.238	0.275	0.880	0.102	0.565	0.691	0.088	0.769	0.693
OP	0.536	0.307	0.480	0.812	0.387	0.205	0.500	0.047	0.913	0.975
TP	0.176	0.331	0.230	0.969	0.311	0.391	0.577	0.048	0.853	0.833
CPLA	0.388	0.205	0.060	0.817	0.369	0.010	0.349	0.067	0.769	0.813
SI	0.115	0.198	0.045	0.100	0.200	0.479	0.113	0.950	0.231	0.261

	NO3N	TKN	OP	TP	CPLA	SI
NO3N	1.000					
TKN	0.500	1.000				
OP	0.687	0.644	1.000			

	NO3N	TKN	OP	TP	CPLA	SI
TP	0.490	0.866	0.815	1.000		
CPLA	0.423	0.524	0.782	0.831	1.000	
SI	0.068	0.172	0.342	0.156	0.119	1.000

NMP-6, BIMONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAIP	HAZ	HJT	HAP	VAPJAGP	STD. DEV.
PH	13	0.0000	7.0000	0.3300	0.1100	0.3400
SPC	13	345.0000	270.0000	275.7692	1732.6923	41.6256
T	14	79.7000	42.8000	60.6847	159.0532	12.5116
TUP	14	12.0000	0.0000	7.2143	8.7967	2.0650
CO2	13	1.0000	0.0000	0.3077	0.2300	0.4904
FDO	14	13.0000	7.1000	9.9714	2.2453	1.4084
TRDP	14	3.0000	0.0000	2.0714	0.8407	0.9160
TCOD	13	40.0000	1.0000	13.9231	125.9103	11.2210
TS	14	290.0000	175.0000	220.9286	1022.6868	31.9795
TSS	14	14.0000	1.0000	3.9571	10.1710	3.1831
NO3N	14	0.3200	0.0000	0.0836	0.0125	0.1119
TKN	11	1.0100	0.1500	0.5291	0.0586	0.2421
OP	14	0.0100	0.0000	0.0036	0.0000	0.0050
TP	14	0.1000	0.0200	0.0379	0.0005	0.0215
CPLA	14	15.0000	0.0000	4.8571	25.4134	5.0412
ST	8	1.0000	0.0000	0.1250	0.1250	0.3536

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TRDP	TCOD	TS	TSS
PH	1.000									
SPC	0.540	1.000								
T	0.698	0.834	1.000							
TUP	0.541	0.489	0.381	1.000						
CO2	-0.711	-0.776	-0.843	-0.662	1.000					
FDO	-0.141	-0.151	-0.342	-0.462	0.252	1.000				
TRDP	-0.238	-0.022	-0.406	-0.051	0.190	0.645	1.000			
TCOD	-0.030	-0.121	-0.330	-0.080	-0.269	-0.472	-0.423	1.000		
TS	-0.057	-0.092	-0.223	-0.564	0.050	0.783	0.625	-0.376	1.000	
TSS	-0.301	-0.239	-0.295	-0.176	0.363	0.135	0.056	-0.303	-0.176	1.000
NO3N	-0.681	-0.690	-0.836	-0.385	-0.937	0.290	0.297	-0.292	0.117	-0.297
TKN	-0.339	-0.158	-0.060	-0.752	-0.514	0.452	0.070	-0.056	0.615	-0.507
OP	-0.264	-0.367	-0.264	-0.421	-0.158	-0.274	0.108	0.113	-0.119	-0.208
TP	-0.297	-0.235	-0.311	-0.116	-0.332	0.251	-0.031	-0.092	0.105	-0.220
CPLA	-0.461	-0.639	-0.464	-0.252	-0.470	-0.208	0.154	-0.275	0.340	-0.105
ST	-0.117	-0.026	-0.116	-0.211	1.000	-0.119	-0.378	-0.425	-0.161	
NO3N										
TKN										
OP										
TP										
CPLA										
ST										
NO3N	1.000									
TKN	-0.151	1.000								
OP	-0.086	-0.136	1.000							
TP										
CPLA										
ST										
NO3N										
TKN										
OP										
TP										
CPLA										
ST										

NMP-6, BIMONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	13	8.9000	7.9000	8.2000	0.0850	0.2915
SPC	13	310.0000	200.0000	253.8462	1400.6410	37.4251
T	14	72.9000	42.4000	53.8071	142.1561	11.9229
TUP	14	20.0000	0.0000	4.7957	31.2592	5.5009
CO2	13	2.5000	0.0000	1.0309	0.8623	0.9313
FDO	14	13.8000	5.8000	9.8143	4.0998	2.0248
TPOD	14	5.0000	1.0000	1.7143	1.7967	1.3397
TCOD	13	45.0000	2.0000	10.3946	119.4231	10.9281
TS	14	355.0000	165.0000	233.7957	1690.8736	41.2295
TSS	14	85.0000	1.0000	15.5714	781.0330	27.9470
NO3N	14	0.2800	0.0000	0.1293	0.0101	0.1007
TKP	11	0.9300	0.0500	0.4355	0.0954	0.2922
OP	14	0.0300	0.0000	0.0114	0.0001	0.0086
TP	14	0.9100	0.0000	0.1914	0.0562	0.2370
CPLA	14	45.0000	0.0000	6.1957	133.4490	11.5520
SI	8	6.0000	0.0000	1.0000	4.5714	2.1381

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUP	CO2	FDO	TPOD	TCOD	TS	TSS
PH	1.000									
SPC	0.389	1.000								
T	0.578	0.770	1.000							
TUP	0.482	0.320	0.274	1.000						
CO2	0.438	0.757	0.753	0.225	1.000					
FDO	0.169	0.509	0.635	0.002	0.816	1.000				
TPOD	0.123	0.061	0.208	0.095	0.160	0.352	1.000			
TCOD	0.184	0.269	0.453	0.134	0.529	0.396	0.177	1.000		
TS	0.511	0.123	0.231	0.459	0.259	0.790	0.282	0.143	1.000	
TSS	0.089	0.038	0.088	0.667	0.093	0.204	0.120	0.226	0.045	1.000
NO3N	0.483	0.486	0.802	0.211	0.547	0.497	0.039	0.503	0.137	0.213
TKP	0.356	0.069	0.153	0.522	0.020	0.412	0.575	0.280	0.536	0.276
OP	0.172	0.031	0.017	0.121	0.134	0.137	0.112	0.032	0.221	0.044
TP	0.664	0.042	0.033	0.405	0.025	0.586	0.319	0.044	0.887	0.094
CPLA	0.135	0.426	0.265	0.100	0.542	0.289	0.106	0.099	0.041	0.237
SI	0.006	0.294	0.391	0.162	0.426	0.566	0.190	0.017	0.323	0.226
	NO3N	TKP	OP	TP	CPLA	SI				
NO3N	1.000									
TKP	0.208	1.000								
OP	0.169	0.297	1.000							
	TP	TKP	OP	TP	CPLA	SI				
TP	0.157	0.547	0.268	1.000						
CPLA	0.063	0.162	0.081	0.082	1.000					
SI	0.550	0.294	0.191	0.332	0.332	1.000				



NMP-1, BIMONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	25	8.9000	7.8000	8.2960	0.0929	0.3048
SPC	25	490.0000	210.0000	292.4000	4854.4167	69.6736
T	27	80.6000	41.9000	58.8852	164.5521	12.8278
TUR	26	22.0000	0.0000	4.5769	23.2938	4.8264
CO2	24	2.0000	0.0000	0.4500	0.3983	0.6311
FDO	27	12.3000	7.6000	9.7481	2.7057	1.6449
TBOD	26	4.0000	0.0000	1.7692	0.9046	0.9511
TCOD	26	27.0000	0.0000	11.9231	56.6338	7.5255
TS	26	366.0000	190.0000	237.2692	2372.3646	48.7169
TSS	26	46.0000	0.0000	5.7692	79.1046	8.8377
NO3N	26	0.3200	0.0000	0.1181	0.0112	0.1057
TKN	20	0.9700	0.0000	0.4000	0.0631	0.2512
OP	26	0.0400	0.0000	0.0077	0.0001	0.0103
TP	26	0.4100	0.0100	0.0588	0.0077	0.0877
CHLA	26	15.0000	0.0000	4.7192	18.3032	4.2762
SI	15	6.0000	0.0000	0.8667	3.1238	1.7674

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.590	1.000								
T	0.688	0.736	1.000							
TUR	0.390	0.534	0.295	1.000						
CO2	-0.633	-0.636	-0.746	-0.124	1.000					
FDO	-0.356	-0.194	-0.703	0.263	0.503	1.000				
TBOD	-0.317	-0.076	-0.375	0.292	0.429	0.692	1.000			
TCOD	-0.025	0.250	0.168	-0.082	-0.333	-0.097	-0.314	1.000		
TS	0.126	0.678	0.221	0.665	-0.143	0.281	0.303	-0.059	1.000	
TSS	-0.172	0.317	0.040	0.496	0.317	0.166	0.273	-0.004	0.646	1.000
NO3N	-0.712	-0.433	-0.804	-0.029	0.722	0.676	0.481	-0.117	0.129	0.344
TKN	0.049	0.354	0.080	0.389	-0.323	0.511	0.379	0.203	0.420	0.433
OP	-0.406	-0.090	-0.291	0.108	0.164	0.239	0.270	0.101	0.210	0.630
TP	0.504	0.199	0.036	0.529	0.002	0.451	0.246	-0.129	0.280	0.039
CHLA	0.364	0.537	0.448	0.599	-0.255	-0.072	0.145	0.130	0.273	0.287
SI	-0.077	0.138	0.265	0.005	-0.135	-0.052	0.339	0.218	0.078	0.299

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	0.334	1.000				
OP	0.381	0.163	1.000			
TP	-0.324	0.442	-0.195	1.000		
CHLA	-0.319	0.133	0.035	0.345	1.000	
SI	0.075	0.168	0.161	-0.179	-0.058	1.000

NMP-2, BIMONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	25	5.0000	8.0000	8.3160	0.0872	0.2954
SPC	26	370.0000	200.0000	250.8846	1931.5462	42.7966
T	28	80.6000	41.5000	56.1643	147.7624	12.1558
TUR	27	52.0000	0.0000	6.4815	165.3362	12.8583
CO2	25	2.5000	0.0000	0.5160	0.4022	0.6342
FDO	28	13.0000	5.9000	9.7821	2.5334	1.5917
TROD	27	4.0000	1.0000	1.7778	0.6410	0.8006
TCOD	27	65.0000	2.0000	14.1111	161.1795	12.6956
TS	27	420.0000	170.0000	229.4815	1928.2593	43.9119
TSS	27	260.0000	0.0000	13.8519	2457.3618	49.5011
NO3N	27	0.3300	0.0000	0.1296	0.0150	0.1225
TKN	22	1.1200	0.0700	0.4864	0.0922	0.3036
OP	27	0.0700	0.0000	0.0093	0.0072	0.0138
TP	27	0.1600	0.0000	0.0456	0.0015	0.0394
CHLA	27	25.0000	0.0000	4.5667	30.3846	5.5122
SI	16	6.0000	0.0000	0.6250	2.5167	1.5864

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TROD	TCOD	TS	TSS
PH	1.000									
SPC	0.534	1.000								
T	0.619	0.919	1.000							
TUR	0.236	-0.074	-0.094	1.000						
CO2	-0.432	-0.792	-0.775	0.225	1.000					
FDO	-0.078	-0.386	-0.485	0.319	0.413	1.000				
TROD	-0.272	-0.041	-0.136	0.074	0.007	0.612	1.000			
TCOD	-0.060	0.138	0.035	0.562	0.761	-0.069	0.055	1.000		
TS	0.125	0.041	-0.066	0.763	0.195	0.255	0.157	0.648	1.000	
TSS	-0.090	-0.097	-0.213	0.714	0.312	0.098	0.054	0.791	0.885	1.000
NO3N	-0.615	-0.769	-0.874	0.057	0.722	0.419	0.234	-0.117	0.039	-0.164
TKN	0.167	-0.329	-0.310	0.411	0.274	0.708	0.447	-0.058	0.341	-0.162
OP	-0.285	-0.290	-0.400	0.523	0.423	-0.037	-0.015	0.716	0.619	0.867
TP	0.378	-0.740	0.068	0.366	-0.015	0.250	0.114	-0.030	0.261	0.152
CHLA	0.096	0.298	0.282	0.058	-0.161	0.118	0.292	-0.122	0.138	-0.075
SI	-0.171	-0.258	-0.184	-0.072	0.134	-0.265	-0.331	-0.330	-0.081	-0.188

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	0.189	1.000				
OP	0.308	-0.361	1.000			
TP	-0.083	0.231	0.057	1.000		
CHLA	-0.062	0.237	-0.340	-0.117	1.000	
SI	0.140	-0.060	0.155	-0.203	-0.276	1.000

NMP-3 BIMONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STO. DEV.
PH	26	8.9000	7.7000	8.2462	0.1066	0.3265
SPC	26	370.0000	210.0000	286.9231	3260.1538	57.1503
T	28	86.0000	42.0000	60.8929	180.9711	13.6737
TUR	28	27.0000	0.0000	4.2143	34.1005	5.8396
CO2	25	2.0000	0.0000	0.4000	0.3750	0.6124
FDD	28	13.2000	7.4000	9.7357	2.4439	1.5633
TBOD	28	3.0000	1.0000	1.7857	0.6190	0.7868
TCOD	27	55.0000	0.0000	13.7778	179.3333	13.3542
TS	28	350.0000	200.0000	243.8571	1898.5714	43.5726
TSS	28	120.0000	1.0000	11.7500	650.1944	25.4989
NO3N	28	0.3300	0.0000	0.1257	0.0156	0.1247
TKN	22	1.2400	0.0500	0.4650	0.0741	0.2722
OP	28	0.0700	0.0000	0.0139	0.0002	0.0145
TP	28	0.4700	0.0100	0.0514	0.0079	0.0891
CHLA	28	35.0000	0.0000	6.5571	65.8618	8.1155
SI	16	5.0000	0.0000	0.8750	2.0500	1.6279

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDD	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.325	1.000								
T	0.578	0.813	1.000							
TUR	0.279	0.241	0.216	1.000						
CO2	-0.566	-0.699	-0.747	-0.348	1.000					
FDD	-0.220	-0.266	-0.569	0.252	0.406	1.000				
TBOD	0.020	0.182	-0.065	0.430	-0.118	0.536	1.000			
TCOD	0.360	0.108	0.282	0.416	-0.382	-0.020	0.110	1.000		
TS	-0.238	0.312	-0.102	0.472	-0.062	0.408	0.494	-0.182	1.000	
TSS	0.172	0.026	0.020	0.925	-0.110	0.440	0.374	0.411	0.376	1.000
NO3N	-0.464	-0.613	-0.765	0.235	0.710	0.663	0.270	-0.221	0.303	0.407
TKN	0.290	0.162	-0.009	0.670	-0.243	0.484	0.391	0.303	0.345	0.676
OP	-0.504	-0.054	-0.294	0.327	0.050	0.219	0.304	0.012	0.467	0.366
TP	-0.163	0.109	-0.093	0.614	-0.105	0.403	0.454	0.139	0.680	-0.689
CHLA	-0.048	0.481	0.206	0.584	-0.243	0.354	0.442	0.098	0.742	0.517
SI	0.207	-0.043	0.217	0.241	-0.139	-0.127	0.242	0.091	-0.171	0.192
NO3N	1.000									
TKN	0.430	1.000								
OP	0.409	0.130	1.000							
TP	0.371	0.460	0.733	1.000						
CHLA	0.085	0.296	0.381	0.688	1.000					
SI	-0.004	0.224	-0.087	-0.049	-0.265	1.000				

NMP-4, BIMONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	26	9.1000	7.8000	8.2577	0.0985	0.3139
SPC	25	380.0000	80.0000	253.2000	3727.0833	61.0498
T	28	84.2000	41.9000	57.3071	161.2392	12.6980
TUR	28	14.0000	0.0000	3.6786	11.1892	3.3450
CO2	25	2.0000	0.0000	0.4000	0.2917	0.5401
FDO	28	13.6000	6.5000	9.9179	2.7867	1.6693
TBOD	28	3.0000	1.0000	1.8571	0.4974	0.7052
TCOD	28	60.0000	0.0000	12.8214	156.2262	12.4990
TS	28	331.0000	165.0000	227.8214	1285.9558	35.8588
TSS	28	51.0000	0.0000	5.0714	93.4721	9.6645
NO3N	28	0.3300	0.0000	0.1300	0.0130	0.1142
TKN	22	1.0000	0.0000	0.4650	0.0931	0.3050
OP	28	0.0200	0.0000	0.0075	0.0000	0.0070
TP	28	0.3000	0.0000	0.0332	0.0030	0.0550
CHLA	26	27.0000	0.0000	6.3714	47.5251	6.8938
SI	16	7.0000	0.0000	0.7500	3.1333	1.7701

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.532	1.000								
T	0.613	0.595	1.000							
TUR	0.622	0.316	0.486	1.000						
CO2	-0.395	-0.260	-0.609	-0.151	1.000					
FDO	-0.391	-0.384	-0.479	-0.146	0.335	1.000				
TBOD	-0.351	-0.147	-0.102	-0.130	-0.070	0.613	1.000			
TCOD	0.022	-0.084	0.165	-0.050	-0.279	-0.272	-0.129	1.000		
TS	0.183	-0.140	0.142	0.392	-0.234	0.553	0.551	-0.092	1.000	
TSS	0.385	0.266	0.280	0.705	-0.316	-0.314	0.039	0.089	0.089	1.000
NO3N	-0.676	-0.537	-0.830	-0.436	0.579	0.509	0.244	-0.244	0.015	-0.208
TKN	-0.015	-0.150	-0.161	0.054	-0.384	0.400	0.230	-0.638	0.355	-0.180
OP	-0.248	0.107	-0.081	0.091	0.327	-0.287	-0.309	-0.259	-0.381	0.347
TP	0.006	-0.059	-0.115	-0.189	-0.166	0.097	0.155	-0.167	0.053	-0.085
CHLA	0.068	-0.362	0.107	0.165	-0.252	0.461	0.231	-0.135	0.567	-0.126
SI	-0.047	-0.088	0.109	-0.040	-0.150	-0.365	-0.079	0.254	-0.198	-0.095

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	0.141	1.000				
OP	-0.377	-0.377	1.000			
TP	-0.088	0.401	0.031	1.000		
CHLA	0.021	0.185	-0.255	-0.009	1.000	
SI	-0.312	-0.076	0.094	-0.152	-0.108	1.000

NMP-5, BIMONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	27	9.0000	7.7000	8.2296	0.1522	0.3901
SPC	26	330.0000	220.0000	277.5923	1374.4615	37.1276
T	28	79.7000	42.6000	58.9357	156.7594	12.5204
TUR	28	37.0000	0.0000	5.2143	51.5079	7.1769
CO2	26	4.0000	0.0000	0.6231	0.9954	0.9977
FDO	28	13.4000	6.4000	9.7143	2.2768	1.5089
TBOD	28	6.0000	1.0000	2.1786	1.1892	1.0905
TCOD	26	50.0000	0.0000	15.1538	189.8154	13.7774
TS	28	452.0000	185.0000	238.7500	2792.4907	52.8440
TSS	28	163.0000	0.0000	13.3929	1019.4325	31.9286
NO3N	28	0.4000	0.0000	0.1286	0.0195	0.1396
TKN	22	1.2300	0.1500	0.5109	0.0876	0.2959
OP	28	0.0600	0.0000	0.0107	0.0073	0.0165
TP	28	0.5700	0.0100	0.0829	0.0211	0.1453
CHLA	28	37.0000	0.0000	6.2464	65.8181	8.1128
SI	16	6.0000	0.0000	0.9375	3.1292	1.7689

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.659	1.000								
T	0.747	0.675	1.000							
TUR	-0.028	-0.042	-0.051	1.000						
CO2	-0.610	-0.599	-0.673	0.217	1.000					
FDO	-0.087	-0.164	-0.536	0.195	0.409	1.000				
TBOD	0.182	0.230	0.041	0.255	-0.039	0.345	1.000			
TCOD	0.197	-0.021	0.252	0.071	-0.284	-0.399	0.068	1.000		
TS	-0.177	0.088	-0.261	0.760	0.193	0.391	0.381	-0.033	1.000	
TSS	-0.233	-0.104	-0.287	0.828	0.339	0.157	0.202	0.048	0.841	1.000
NO3N	-0.719	-0.518	-0.800	0.225	0.593	0.449	0.284	-0.279	0.496	0.449
TKN	0.302	0.145	-0.111	0.669	0.715	0.575	0.382	-0.156	0.706	0.548
OP	-0.277	-0.185	-0.297	0.732	0.328	0.050	0.075	-0.005	0.694	0.861
TP	0.253	0.009	-0.035	0.577	0.206	0.407	0.177	-0.083	0.673	0.572
CHLA	0.156	0.203	0.195	0.673	0.139	0.120	0.434	0.009	0.700	0.654
SI	-0.294	-0.362	-0.145	0.674	-0.375	-0.375	-0.158	0.811	0.090	0.146

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	0.309	1.000				
OP	0.498	0.515	1.000			
TP	0.140	0.724	0.411	1.000		
CHLA	0.161	0.584	0.555	0.689	1.000	
SI	-0.079	-0.089	0.180	0.054	-0.155	1.000

NMP-6, BIMONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	26	5.0000	7.9200	8.2654	0.1024	0.3199
SPC	26	345.0000	200.0000	264.8077	1628.9615	40.3604
T	28	79.7000	42.4000	57.2357	157.2172	12.5386
TUR	28	20.0000	0.0000	4.0000	19.9259	4.4638
CO2	26	2.5000	0.0000	0.6692	0.5646	0.7514
FDO	28	13.8000	5.8000	9.8929	3.0614	1.7497
TBOD	28	5.0000	0.0000	1.8929	1.3622	1.0306
TCOD	26	45.0000	1.0000	12.1538	121.0154	11.0007
TS	28	355.0000	165.0000	227.3571	1353.7196	36.7929
TSS	28	85.0000	1.0000	9.7143	416.5079	20.4085
NO3N	28	0.3200	0.0000	0.1064	0.0115	0.1071
TKN	22	1.0100	0.0500	0.4023	0.0708	0.2662
OP	28	0.0300	0.0000	0.0075	0.0071	0.0080
TP	28	0.9100	0.0000	0.0696	0.0283	0.1683
CHLA	28	45.0000	0.0000	5.5214	76.9469	8.7719
SI	16	6.0000	0.0000	0.5625	2.3958	1.5478

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.502	1.000								
T	0.665	0.819	1.000							
TUR	0.414	0.286	0.230	1.000						
CO2	-0.567	-0.738	-0.770	-0.134	1.000					
FDO	0.022	-0.187	-0.466	0.117	0.399	1.000				
TBOD	-0.025	0.058	-0.231	-0.081	-0.133	0.462	1.000			
TCOD	0.099	0.226	0.415	-0.085	-0.440	-0.405	-0.241	1.000		
TS	0.244	-0.073	-0.262	0.499	0.233	0.759	0.369	-0.268	1.000	
TSS	-0.141	-0.127	-0.159	0.594	0.109	-0.160	-0.135	-0.221	0.073	1.000
NO3N	-0.616	-0.616	-0.826	-0.209	0.679	0.371	0.114	-0.406	0.160	0.219
TKN	0.379	0.137	-0.036	0.534	-0.190	0.431	0.395	-0.121	0.527	0.141
OP	-0.277	-0.265	-0.227	-0.073	0.222	-0.176	-0.124	-0.070	-0.071	0.168
TP	0.346	-0.099	-0.052	0.384	0.096	0.465	0.223	-0.058	0.714	-0.020
CHLA	0.026	-0.090	-0.052	-0.098	0.328	0.255	-0.113	-0.150	0.127	-0.188
SI	-0.084	0.029	0.154	-0.157	-0.133	-0.453	-0.253	0.564	-0.241	-0.153
	NO3N	TKN	OP	TP	CHLA	SI				
NO3N	1.000									
TKN	-0.245	1.000								
OP	0.219	-0.296	1.000							
TP	-0.054	0.355	-0.057	1.000						
CHLA	-0.056	0.095	-0.075	-0.065	1.000					
SI	-0.038	-0.275	0.180	-0.110	-0.251	1.000				

NMP-1 TO 6, BIMONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	155	9.1000	7.7000	8.2677	0.1045	0.3233
SPC	154	490.0000	80.0000	272.6169	2870.2248	53.5745
T	167	66.0000	41.5000	58.2329	159.8920	12.6448
TUR	165	52.0000	0.0000	4.6848	49.8513	7.0605
CO2	151	4.0000	0.0000	0.5119	0.5733	0.7095
FDO	167	13.8000	5.8000	9.7988	2.5611	1.6003
TBOD	165	6.0000	0.0000	1.8788	0.8145	0.9025
TCOD	160	65.0000	0.0000	13.3250	141.1013	11.8786
TS	165	452.0000	165.0000	234.0788	1913.7559	43.7465
TSS	165	260.0000	0.0000	9.9515	771.1318	27.7693
NO3N	165	0.4000	0.0000	0.1231	0.0140	0.1181
TKN	130	1.2400	0.0000	0.4693	0.0784	0.2800
OP	165	0.0000	0.0000	0.0095	0.0002	0.0123
TP	165	0.9100	0.0000	0.3570	0.0116	0.1078
CHLA	165	45.0000	0.0000	5.6818	50.4010	7.0994
SI	95	7.0000	0.0000	0.7684	2.6905	1.6403

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.445	1.000								
T	0.637	0.729	1.000							
TUR	0.220	0.134	0.076	1.000						
CO2	-0.544	-0.545	-0.656	0.053	1.000					
FDO	-0.118	-0.264	-0.537	0.181	0.393	1.000				
TBOD	-0.057	0.027	-0.138	0.138	0.222	0.517	1.000			
TCOD	0.116	0.075	0.217	0.243	-0.255	-0.214	0.073	1.000		
TS	0.006	0.225	-0.042	0.585	0.049	0.415	0.358	0.025	1.000	
TSS	-0.075	-0.005	-0.109	0.735	0.190	0.086	0.094	0.310	0.552	1.000
NO3N	-0.630	-0.527	-0.806	0.044	0.537	0.502	0.262	-0.228	0.220	0.243
TKN	0.190	0.019	-0.110	0.457	-0.098	0.516	0.374	0.028	0.442	0.344
OP	-0.328	-0.088	-0.249	0.404	0.241	0.023	0.071	0.128	0.405	0.626
TP	0.207	0.050	-0.032	0.340	0.058	0.346	0.226	-0.036	0.491	0.251
CHLA	0.073	0.136	0.166	0.261	0.004	0.229	0.217	-0.033	0.445	0.187
SI	-0.069	-0.043	0.076	0.028	-0.050	-0.287	-0.070	0.315	-0.050	0.105

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	0.206	1.000				
OP	0.319	0.088	1.000			
TP	0.058	0.430	0.222	1.000		
CHLA	0.014	0.273	0.158	0.281	1.000	
SI	-0.073	-0.011	0.108	-0.051	-0.177	1.000

NMP-1 TO 6, BIMONTHLY  
ALL DEPTHS  
JUNE, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	24	8.9000	7.8000	8.4000	7.2243	0.4737
SPC	24	375.0000	80.0000	282.5000	4478.2609	66.9198
T	24	64.9000	42.4000	57.9667	40.5936	6.3713
TUR	24	45.0000	2.0000	11.5417	144.0851	12.0035
CO2	12	2.4000	0.0000	7.4667	9.7024	0.8381
FDO	24	13.8000	10.4000	12.2375	7.8120	0.9011
TBOD	24	4.0000	1.0000	2.8750	7.4620	0.6797
TCOD	24	46.0000	5.0000	11.9583	64.2156	8.0135
TS	24	452.0000	237.0000	298.7500	2909.5700	53.9398
TSS	24	163.0000	0.0000	19.7917	1750.3460	41.8371
NO3N	24	0.4000	0.0200	7.1567	0.0128	0.1130
TKN	24	1.2400	0.3700	7.8317	0.0466	0.2158
OP	24	0.0000	0.0000	7.0088	0.0095	0.0221
TP	24	0.9100	0.0200	0.1838	0.0533	0.2308
CHLA	24	45.0000	2.0000	16.0750	137.4915	11.7257
SI	24	3.0000	0.0000	0.3750	7.8533	0.9237

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.129	1.000								
T	0.244	0.442	1.000							
TUR	0.177	-0.018	-0.057	1.000						
CO2	-0.064	-0.306	-0.723	0.359	1.000					
FDO	0.624	-0.140	0.326	0.015	-0.611	1.000				
TBOD	-0.054	0.390	0.661	-0.077	-0.630	0.122	1.000			
TCOD	-0.009	-0.105	0.358	0.452	0.163	0.038	0.143	1.000		
TS	-0.347	0.188	0.129	0.261	0.369	-0.368	0.330	0.116	1.000	
TSS	-0.214	-0.035	-0.157	0.557	0.445	-0.369	0.046	0.749	0.531	1.000
NO3N	-0.555	-0.257	-0.507	0.296	0.343	-0.569	-0.181	0.508	0.331	0.686
TKN	0.316	-0.206	-0.105	0.481	0.327	0.295	0.031	0.491	0.157	0.570
OP	-0.436	0.080	-0.193	0.440	0.361	-0.540	0.018	0.353	0.738	0.810
TP	0.257	0.079	0.035	0.259	0.289	0.110	0.011	0.053	0.444	0.324
CHLA	-0.622	-0.321	-0.525	0.008	0.467	-0.579	-0.446	0.139	0.298	0.403
SI	-0.050	0.076	0.034	0.385	0.297	-0.164	0.078	0.707	0.317	0.745

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	0.255	1.000				
OP	0.605	0.350	1.000			
TP	-0.017	0.355	0.356	1.000		
CHLA	0.560	-0.232	0.515	-0.009	1.000	
SI	0.529	0.570	0.492	0.142	0.399	1.000



NMP-1 TO 6, BIMONTHLY  
ALL DEPTHS  
JULY, 1973.

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	24	9.1000	7.8000	8.5208	0.1217	0.3489
SPC	24	450.0000	200.0000	291.2500	5046.1957	71.0366
T	24	75.7000	41.5000	64.3833	156.6275	12.5151
TUR	24	9.0000	0.0000	4.2917	7.0851	2.6618
CO2	24	4.0000	0.0000	0.6458	1.3365	1.1561
FDD	24	11.3000	7.2000	9.2375	0.8772	0.9366
TBOD	24	2.0000	0.0000	1.1067	0.2319	0.4815
TCOD	24	13.0000	1.0000	5.4583	9.1286	3.0214
TS	24	350.0000	200.0000	233.3333	1284.7580	35.8338
TSS	24	22.0000	0.0000	5.2917	29.4330	5.4252
NO3N	24	0.2300	0.0000	0.0679	0.0063	0.0794
TKN	24	0.8000	0.0000	0.3629	0.0729	0.2700
OP	24	0.0400	0.0000	0.0092	0.0001	0.0102
TP	24	0.2000	0.0000	0.0404	0.0036	0.0600
CHLA	24	15.0000	0.5000	7.4750	12.1220	3.4817
SI	24	2.0000	0.0000	0.2500	0.2826	0.5316

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDD	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.332	1.000								
T	0.711	0.773	1.000							
TUR	-0.068	0.536	0.402	1.000						
CO2	-0.757	-0.654	-0.915	-0.297	1.000					
FDD	-0.592	-0.513	-0.818	-0.289	0.742	1.000				
TBOD	-0.073	-0.146	0.018	-0.040	-0.046	0.002	1.000			
TCOD	0.378	0.556	0.414	0.258	-0.362	-0.380	-0.174	1.000		
TS	0.053	0.810	0.399	0.422	-0.348	-0.323	-0.311	0.588	1.000	
TSS	0.001	0.413	0.360	0.780	-0.354	-0.276	-0.186	0.196	0.341	1.000
NO3N	-0.653	-0.513	-0.881	-0.301	0.813	0.720	-0.184	-0.224	-0.103	-0.194
TKN	0.081	0.474	0.424	0.280	-0.359	-0.212	0.167	-0.041	0.193	0.153
OP	-0.362	-0.113	-0.215	0.218	0.177	0.241	0.207	-0.100	-0.087	0.257
TP	0.284	0.138	0.225	0.092	-0.173	-0.291	-0.168	0.138	0.024	0.064
CHLA	0.026	-0.196	-0.140	-0.183	0.169	0.252	0.296	-0.154	-0.237	-0.341
SI	-0.029	0.245	0.308	0.131	-0.274	-0.116	-0.210	0.046	0.079	0.079
	NO3N	TKN	OP	TP	CHLA	SI				
NO3N	1.000									
TKN	-0.352	1.000								
OP	0.245	0.246	1.000							
TP	-0.253	0.113	-0.071	1.000						
CHLA	0.068	-0.038	0.294	-0.071	1.000					
SI	-0.327	0.522	-0.121	-0.140	-0.329	1.000				

NMP-1 TO 6, BIMONTHLY  
ALL DEPTHS  
AUGUST, 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	13	8.9000	8.0000	8.3462	0.0544	0.2332
SPC	23	370.0000	210.0000	337.8261	1767.7866	42.0451
T	23	82.4000	41.9000	69.8217	122.3809	11.0626
TUR	23	14.0000	1.0000	3.9565	8.0435	2.8361
CO2	23	1.5000	0.0000	0.1304	0.1413	0.3759
FDO	23	10.4000	7.0000	9.8043	0.8050	0.8972
TBOD	23	6.0000	1.0000	1.6957	1.3123	1.1455
TCOD	23	28.0000	0.0000	12.3043	59.3123	7.7014
TS	23	260.0000	150.0000	219.6957	402.4032	20.0600
TSS	23	51.0000	0.0000	7.3913	124.2490	11.1467
NO3N	23	0.3000	0.0000	0.0530	0.0067	0.0818
TKN	23	0.7000	0.0000	0.3565	0.0498	0.2233
OP	23	0.0200	0.0000	0.0070	0.0000	0.0070
TP	23	0.0500	0.0000	0.0270	0.0004	0.0203
CHLA	23	18.0000	0.0000	6.6609	16.9516	4.3533
SI	23	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.631	1.000								
T	0.609	0.918	1.000							
TUR	0.279	0.211	0.177	1.000						
CO2	-0.569	-0.643	-0.722	-0.101	1.000					
FDO	0.022	-0.002	-0.136	-0.380	0.221	1.000				
TBOD	0.730	0.269	0.159	0.066	-0.220	0.536	1.000			
TCOD	0.551	0.446	0.359	0.402	-0.281	0.552	0.552	1.000		
TS	0.307	0.246	0.085	0.585	0.315	0.099	0.348	0.380	1.000	
TSS	0.291	0.148	0.147	0.912	0.085	-0.362	-0.061	0.234	0.563	1.000
NO3N	-0.315	-0.713	-0.827	-0.050	0.437	0.070	0.798	-0.162	0.072	-0.052
TKN	0.183	-0.337	-0.181	-0.351	-0.011	0.057	-0.263	-0.066	-0.563	-0.414
OP	-0.406	-0.393	-0.381	0.335	0.415	-0.365	-0.346	-0.007	0.051	0.347
TP	0.233	-0.194	-0.090	0.053	0.025	-0.186	0.076	0.088	0.050	0.066
CHLA	0.532	0.443	0.261	0.111	-0.122	0.232	0.662	0.527	0.422	0.053
SI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	0.001	1.000				
OP	0.349	-0.045	1.000			
TP	-0.054	0.025	0.155	1.000		
CHLA	-0.096	-0.364	-0.267	-0.027	1.000	
SI	1.000	1.000	1.000	1.000	1.000	1.000

NMP-1 TO 6, BIMONTHLY  
ALL DEPTHS  
SEPTEMBER 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	24	8.6000	8.1000	8.3667	0.0128	0.1129
SPC	24	380.0000	210.0000	290.1250	2012.1141	44.8566
T	24	66.0000	48.2000	71.1500	73.6965	8.5847
TUR	24	6.0000	2.0000	4.2500	1.5000	1.2247
CO2	24	1.0000	0.0000	0.1042	0.0865	0.2941
FDO	24	8.6000	5.8000	7.4292	0.4735	0.6881
TBOD	24	3.0000	0.0000	1.5000	0.6087	0.7802
TCOD	24	55.0000	3.0000	22.8750	201.9402	14.2106
TS	24	240.0000	165.0000	210.8333	390.5797	19.7631
TSS	24	8.0000	0.0000	2.6667	3.4493	1.8572
NO3N	24	0.2000	0.0000	0.0167	0.0016	0.0405
TKN	24	0.6000	0.2000	0.3604	0.0128	0.1132
OP	24	0.0100	0.0000	0.0067	0.0000	0.0048
TP	24	0.0600	0.0100	0.0213	0.0002	0.0133
CHLA	24	14.0000	0.0000	3.8250	18.9420	4.3522
SI	24	7.0000	0.0000	2.4167	5.9928	2.4480

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.484	1.000								
T	0.578	0.819	1.000							
TUR	0.314	0.144	0.259	1.000						
CO2	-0.676	-0.314	-0.458	-0.196	1.000					
FDO	0.640	0.120	0.194	0.311	-0.305	1.000				
TBOD	0.395	0.375	0.502	0.228	-0.237	0.288	1.000			
TCOD	0.084	0.003	0.088	-0.238	-0.345	0.027	-0.092	1.000		
TS	0.432	-0.044	-0.213	0.059	-0.371	0.524	0.240	-0.096	1.000	
TSS	0.193	0.636	0.504	0.459	-0.093	-0.172	0.180	-0.277	-0.152	1.000
NO3N	-0.310	-0.431	-0.631	0.140	0.614	0.239	-0.179	-0.365	0.251	-0.223
TKN	0.164	-0.029	-0.009	0.184	-0.034	0.403	-0.086	0.166	0.059	-0.210
OP	-0.373	-0.346	-0.176	-0.221	0.256	-0.245	0.116	0.083	-0.129	-0.373
TP	0.029	-0.090	-0.212	-0.020	-0.202	0.291	-0.189	0.137	0.269	-0.123
CHLA	0.413	0.502	0.504	0.477	-0.260	0.130	0.312	-0.134	-0.034	0.695
SI	-0.042	-0.177	-0.316	-0.109	0.149	0.253	0.182	-0.107	0.455	-0.236
NO3N	1.000									
TKN	0.070	1.000								
OP	0.052	-0.213	1.000							
TP	0.008	0.237	-0.068	1.000						
CHLA	-0.236	-0.165	-0.295	-0.296	1.000					
SI	0.247	-0.063	0.157	0.264	-0.144	1.000				

NMP-1 TO 6, BIMONTHLY  
ALL DEPTHS  
OCTOBER, 1973.

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	24	8.5000	8.2000	8.3050	0.0070	0.0834
SPC	12	280.0000	220.0000	250.5667	242.4242	15.5700
T	24	66.0000	52.5000	55.7125	14.3742	3.7913
TUR	24	20.0000	0.0000	2.7917	15.6504	3.9561
CO2	24	1.0000	0.0000	0.2083	0.0851	0.2918
FDO	24	10.7000	8.9000	9.6875	0.1446	0.3803
T800	24	5.0000	1.0000	1.6667	0.8406	0.9168
TCOD	21	60.0000	2.0000	22.0476	215.0476	14.6645
TS	24	250.0000	200.0000	214.1667	121.0145	11.0037
TSS	24	85.0000	1.0000	6.2083	314.7808	17.7421
NO3N	24	0.1000	0.0000	0.0533	0.0039	0.0293
TKN	24	1.0000	0.3000	0.5125	0.0324	0.1801
OP	24	0.0000	0.0000	0.0083	0.0001	0.0082
TP	24	0.0000	0.0000	0.0035	0.0005	0.0595
CHLA	24	6.0000	0.6000	2.7667	2.5458	1.5956
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	T800	TCOD	TS	TSS
PH	1.000									
SPC	0.249	1.000								
T	0.529	0.260	1.000							
TUR	-0.184	-0.051	0.015	1.000						
CO2	-0.447	-0.120	0.182	0.585	1.000					
FDO	0.055	0.150	-0.421	-0.487	-0.367	1.000				
T800	-0.114	-0.129	-0.260	-0.236	-0.054	0.412	1.000			
TCOD	0.430	-0.162	0.412	-0.216	-0.299	-0.046	0.085	1.000		
TS	-0.237	0.067	-0.103	0.650	0.463	-0.070	-0.115	-0.112	1.000	
TSS	-0.264	-0.057	-0.046	0.938	0.537	-0.385	-0.132	-0.239	0.686	1.000
NO3N	-0.765	-0.448	-0.424	0.288	0.373	-0.222	-0.216	-0.327	0.279	0.307
TKN	-0.405	-0.212	-0.169	0.236	0.362	0.053	0.342	-0.202	0.104	0.232
OP	-0.319	-0.194	-0.693	0.029	-0.122	0.259	0.213	-0.192	-0.016	0.159
TP	-0.193	-0.053	-0.074	0.102	0.007	0.014	0.027	-0.322	0.057	0.163
CHLA	-0.186	-0.265	-0.416	-0.394	-0.451	0.126	0.212	-0.054	-0.460	-0.423
SI										

	NO3N	TKN	CP	TP	CHLA	SI
NO3N	1.000					
TKN	0.148	1.000				
OP	0.333	0.103	1.000			
TP	0.131	0.514	0.091	1.000		
CHLA	0.065	0.023	0.233	0.264	1.000	
SI						1.000

NMP-1 TO 6, BIMONTHLY  
ALL DEPTHS  
NOVEMBER, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	22	8.2000	7.7000	8.0136	0.0298	0.1726
SPC	23	330.0000	220.0000	240.0000	652.2727	25.5396
T	24	48.2000	41.9000	45.4583	2.7395	1.6461
TUR	22	52.0000	0.0000	5.5455	115.0216	10.7248
CO2	20	1.5000	0.5000	0.9750	0.1441	0.3796
FDO	24	11.2000	9.4000	10.4708	0.2187	0.4676
TBOD	22	3.0000	1.0000	2.1364	0.2186	0.4676
TCOD	20	65.0000	3.0000	10.1000	179.4632	13.3964
TS	22	420.0000	195.0000	244.3182	2514.9892	50.1497
TSS	22	260.0000	2.0000	20.3182	3507.0844	54.8369
NO3N	22	0.3000	0.1000	0.2123	0.0020	0.0452
TKN	11	1.1200	0.1500	0.2900	0.0833	0.2887
OP	22	0.0700	0.0000	0.0177	0.0002	0.0154
TP	22	0.1700	0.0200	0.0536	0.0014	0.0379
CHLA	22	0.3000	0.0000	0.2318	0.0642	0.8742
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.054	1.000								
T	-0.521	-0.488	1.000							
TUR	0.338	0.138	-0.532	1.000						
CO2	0.270	0.583	-0.763	0.461	1.000					
FDO	0.098	-0.072	-0.285	0.084	0.333	1.000				
TBOD	0.330	0.245	-0.325	0.032	0.021	-0.148	1.000			
TCOD	0.240	-0.013	-0.318	0.924	0.928	0.360	-0.186	1.000		
TS	0.048	0.427	-0.414	0.835	0.522	-0.042	0.130	0.754	1.000	
TSS	0.246	0.171	-0.446	0.578	0.421	0.097	0.021	0.942	0.862	1.000
NO3N	0.404	0.520	-0.616	0.308	0.535	-0.163	0.322	0.012	0.373	0.209
TKN	-0.464	-0.343	-0.171	0.088	-0.341	0.611		-0.462	0.657	0.406
OP	0.084	0.214	-0.186	0.740	0.250	-0.093	0.177	0.804	0.839	0.783
TP	-0.183	-0.159	0.447	-0.037	-0.317	-0.159	-0.029	0.252	0.088	0.070
CHLA	-0.237	-0.076	0.258	-0.259	-0.285	-0.442	0.338	-0.186	-0.098	-0.184
SI										
	NO3N	TKN	OP	TP	CHLA	SI				
NO3N	1.000									
TKN	-0.537	1.000								
OP	0.124	-0.034	1.000							
TP	-0.394	-0.264	0.382	1.000						
CHLA	-0.244	-0.240	-0.666	0.060	1.000					
SI						1.000				

NMP-1 TO 6, BIMONTHLY  
ALL DEPTHS  
DECEMBER, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	24	8.0000	7.8000	7.9417	0.0060	0.0776
SPC	24	260.0000	210.0000	232.0833	191.1232	13.8247
T	24	46.4000	42.6000	43.6208	1.2791	1.1310
TUR	24	5.0000	0.0000	0.4583	1.3895	1.1788
CO2	24	2.4000	0.5000	1.0917	0.2121	0.4605
FOO	24	12.1000	9.2000	10.6633	0.5049	0.7106
TBOD	24	3.0000	1.0000	2.1250	0.2880	0.5367
TCOD	24	25.0000	0.0000	9.0417	47.7808	6.9124
TS	24	250.0000	170.0000	217.7083	330.3895	18.1766
TSS	24	75.0000	0.0000	6.7500	233.7609	15.2892
NO3N	24	0.3600	0.2400	0.3063	0.0039	0.0303
TKN	0	0.0000	0.0000	0.0000	0.0000	0.0000
OP	24	0.0200	0.0000	0.0092	0.0030	0.0065
TP	24	0.0700	0.0100	0.0368	0.0033	0.0169
CHLA	24	5.5000	0.0000	1.4083	1.9625	1.4009
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FOO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.280	1.000								
T	0.292	0.425	1.000							
TUR	0.210	0.272	-0.242	1.000						
CO2	-0.233	-0.431	-0.227	-0.281	1.000					
FOO	0.124	0.457	0.259	-0.099	-0.456	1.000				
TBOD	-0.026	-0.066	0.103	-0.094	0.269	-0.131	1.000			
TCOD	-0.141	-0.071	0.111	-0.013	-0.037	0.059	0.333	1.000		
TS	-0.315	-0.214	-0.408	0.112	0.057	-0.119	-0.148	-0.425	1.000	
TSS	0.123	-0.169	-0.317	-0.757	0.084	-0.478	-0.134	-0.078	0.103	1.000
NO3N	-0.504	-0.240	-0.279	-0.278	0.181	-0.215	0.083	-0.059	0.173	-0.101
TKN										
OP	0.071	0.399	0.390	0.052	-0.118	0.418	0.155	0.030	-0.437	0.002
TP	-0.226	-0.417	-0.342	0.123	0.174	-0.245	-0.060	0.108	0.091	0.308
CHLA	0.165	-0.111	0.273	-0.187	0.152	-0.051	-0.192	0.513	-0.616	-0.058
SI										
NO3N	1.000									
TKN		1.000								
OP	0.049		1.000							
TP	0.023		-0.308	1.000						
CHLA	-0.288		0.191	0.132	1.000					
SI						1.000				

NMP-1 TO 6, BIMONTHLY  
SURFACE  
ALL YEAR 1973.

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	79	9.1000	7.7000	8.3229	0.1229	0.3504
SPC	77	490.0000	80.0000	291.2727	3603.1493	60.0262
T	83	86.0000	42.0000	61.2094	162.2844	12.7383
TUR	83	29.0000	0.0000	3.1446	9.8325	3.1357
CO2	77	7.4000	0.0000	0.3299	0.2494	0.4984
FDO	83	13.0000	7.1000	9.8189	2.0259	1.4233
TROD	83	6.0000	0.0000	2.0723	0.9459	0.9726
TCOD	80	60.0000	0.0000	13.7750	139.3519	11.7624
TS	83	350.0000	170.0000	239.4819	1374.8917	37.0769
TSS	83	16.0000	0.0000	3.4819	9.0332	3.0055
NO3N	83	0.3600	0.0000	0.1034	0.0129	0.1134
TKN	65	1.0400	0.0000	0.4634	0.0593	0.2415
OP	83	0.0400	0.0000	0.0067	0.0001	0.0086
TP	83	0.5700	0.0000	0.0562	0.0061	0.0782
CPLA	83	29.0000	0.0000	5.4422	32.5139	5.7021
SI	47	7.0000	0.0000	0.6800	7.9611	1.7209

CORRELATION MATRIX FOLLOWS:

	PP	SPC	T	TUR	CO2	FDO	TROD	TCOD	TS	TSS
PP	1.000									
SPC	0.472	1.000								
T	0.651	0.665	1.000							
TUR	0.393	0.451	0.385	1.000						
CO2	0.627	0.544	0.771	0.476	1.000					
FDO	0.224	0.128	0.406	0.114	0.366	1.000				
TROD	0.115	0.005	0.125	0.180	0.092	0.527	1.000			
TCOD	0.029	0.033	0.178	0.016	0.223	0.274	0.004	1.000		
TS	0.111	0.357	0.082	0.489	0.186	0.529	0.361	0.182	1.000	
TSS	0.062	0.155	0.061	0.060	0.180	0.130	0.009	0.151	0.153	1.000
NO3N	0.682	0.520	0.813	0.299	0.840	0.439	0.222	0.247	0.046	0.169
TKN	0.135	0.116	0.052	0.241	0.347	0.453	0.264	0.096	0.357	0.007
OP	0.279	0.186	0.249	0.205	0.135	0.140	0.045	0.023	0.252	
TP	0.223	0.089	0.076	0.151	0.023	0.283	0.125	0.144	0.255	0.320
CPLA	0.319	0.284	0.401	0.350	0.430	0.257	0.341	0.106	0.540	0.024
SI	0.116	0.038	0.153	0.069	0.066	0.303	0.028	0.218	0.138	0.015
NO3N		TKN	OP	TP	CPLA	SI				
NO3N	1.000									
TKN	0.061	1.000								
OP	0.170	0.129	1.000							
TP		NO3N	TKN	OP	TP	CPLA	SI			
TP	0.027	0.362	0.028	1.000						
CPLA	0.250	0.171	0.219	0.254	1.000					
SI	0.239	0.103	0.147	0.035	0.189	1.000				

NMP-1 TO 6, BIMONTHLY  
DEPTHS 10 TO 30 FEET

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	39	8.9000	7.7000	8.2105	0.0934	0.3056
SPC	39	370.0000	210.0000	280.7602	2352.0243	48.4977
T	42	79.0000	41.0000	57.8500	158.2003	12.5817
TUR	41	37.0000	0.0000	6.0737	54.5605	7.3871
CO2	37	4.0000	0.0000	0.6243	0.8570	0.9250
FNO	42	13.0000	6.0000	9.7405	2.8030	1.6902
TRND	41	3.0000	1.0000	1.7551	0.5800	0.7675
TCND	40	50.0000	0.0000	13.3250	137.8000	11.7410
TS	41	452.0000	170.0000	243.6020	3050.4720	55.3035
TSS	41	163.0000	1.0000	16.8000	1101.0000	33.1013
NO3P	41	0.0000	0.0000	0.1355	0.0150	0.1200
THP	37	1.2400	0.0000	0.4055	0.1075	0.3280
OP	41	0.0000	0.0000	0.0132	0.0003	0.0160
TP	41	0.5300	0.0000	0.0803	0.0100	0.1000
CHLA	41	37.0000	0.0000	6.1254	64.1000	8.0115
SI	24	4.0000	0.0000	0.0503	2.0017	1.4200

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FNO	TRND	TCND	TS	TSS
PH	1.000									
SPC	0.432	1.000								
T	0.647	0.794	1.000							
TUR	0.132	0.140	0.075	1.000						
CO2	-0.000	-0.045	-0.000	0.115	1.000					
FNO	-0.120	-0.033	-0.000	0.302	0.400	1.000				
TRND	-0.150	-0.002	-0.000	0.550	0.240	0.610	1.000			
TCND	0.355	0.193	0.300	0.325	-0.342	-0.002	0.041	1.000		
TS	-0.204	0.204	-0.120	0.708	0.100	0.271	0.522	-0.000	1.000	
TSS	-0.090	-0.031	-0.100	0.001	0.100	0.304	0.545	-0.325	0.730	1.000
NO3P	-0.565	-0.400	-0.701	0.125	0.500	0.040	0.631	-0.151	0.474	0.510
THP	-0.230	0.065	-0.052	0.700	-0.050	0.502	0.631	0.200	0.557	0.645
OP	-0.504	0.013	-0.202	0.635	0.225	0.202	0.522	0.020	0.837	0.730
TP	-0.025	0.055	-0.000	0.701	0.121	0.411	0.404	0.100	0.600	0.600
CHLA	-0.157	-0.251	-0.175	0.701	0.002	0.000	0.200	0.711	0.600	0.722
SI	0.107	-0.145	-0.020	0.200	-0.150	-0.100	0.000	0.300	0.170	0.200
NO3P	1.000									
THP	0.515	1.000								
OP	0.550	0.450	1.000							
TP	0.370	0.640	0.640	1.000						
CHLA	0.230	0.401	0.700	0.735	1.000					
SI	0.165	0.254	0.122	-0.020	-0.044	1.000				



NMP-1 TO 6 BIMONTHLY  
DEPTHS 55 TO 65 FEET

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	38	8.9000	7.8000	8.2105	0.0696	0.2638
SPC	38	310.0000	200.0000	246.7105	1136.8599	33.7174
T	42	72.0000	41.5000	57.7167	115.3092	10.7382
TUP	41	52.0000	0.0000	6.4146	119.6988	10.9407
CO2	37	7.5000	0.0000	0.7794	0.5529	0.7435
FDO	42	13.8000	5.8000	9.8214	3.4290	1.8518
TRDP	41	5.0000	1.0000	1.6098	0.6430	0.8024
TCOD	40	65.0000	1.0000	12.4250	155.8017	12.4857
TS	41	470.0000	165.0000	231.7561	1842.8900	42.9289
TSS	41	260.0000	0.0000	16.1951	1866.5110	43.2031
NO3N	41	0.3300	0.0000	0.1505	0.0123	0.1107
TKP	33	1.1200	0.0000	0.4842	0.0949	0.3079
OP	41	0.0700	0.0000	0.0112	0.0001	0.0121
TP	41	0.9100	0.0000	0.0593	0.0200	0.1415
CHLA	41	45.0000	0.0000	3.6634	75.4264	8.6849
SI	24	6.0000	0.0000	0.7500	2.9783	1.7258

## CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUP	CO2	FDO	TRDP	TCOD	TS	TSS
PH	1.000									
SPC	0.340	1.000								
T	0.551	0.841	1.000							
TUP	0.424	0.116	0.094	1.000						
CO2	0.284	0.598	0.623	0.044	1.000					
FDO	0.117	0.499	0.593	0.185	0.470	1.000				
TRDP	0.043	0.136	0.262	0.070	0.088	0.496	1.000			
TCOD	0.042	0.225	0.201	0.433	0.233	0.244	0.089	1.000		
TS	0.239	0.056	0.161	0.668	0.173	0.468	0.322	0.407	1.000	
TSS	0.016	0.064	0.068	0.703	0.132	0.023	0.029	0.582	0.686	1.000
NO3N	0.536	0.635	0.844	0.062	0.431	0.499	0.208	0.254	0.135	0.081
TKP	0.313	0.286	0.284	0.390	0.010	0.535	0.455	0.129	0.401	0.044
OP	0.121	0.022	0.114	0.430	0.200	0.086	0.070	0.519	0.418	0.737
TP	0.467	0.047	0.075	0.172	0.035	0.367	0.266	0.031	0.514	0.006
CHLA	0.077	0.292	0.160	0.037	0.269	0.373	0.024	0.152	0.129	0.128
SI	0.053	0.026	0.144	0.113	0.150	0.394	0.263	0.476	0.217	0.198
NO3N	1.000									
TKP	0.177	1.000								
OP	0.087	0.457	1.000							
TP	0.138	0.306	0.102	1.000						
CHLA	0.129	0.256	0.196	0.062	1.000					
SI	0.200	0.147	0.008	0.128	0.316	1.000				

NMP-7, MONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	9	8.8000	7.3000	8.1333	0.2125	0.4610
T	8	81.0000	41.9000	61.5125	209.5970	14.4744
ALK	9	58.0000	81.0000	88.6667	27.0000	5.1962
FOC	7	11.8000	7.9000	9.7000	2.2533	1.5011
TBOD	7	3.0000	1.0000	1.8571	0.4762	0.6901
TCOD	9	20.0000	3.0000	11.2222	82.4444	9.0799
TTOC	5	10.0000	2.0000	5.6000	3.8000	2.9665
TDS	9	330.0000	185.0000	238.3333	2853.0000	53.3854
TSS	9	16.0000	1.0000	5.0000	24.5000	4.9497
NO3N	9	0.2000	0.0000	0.1178	0.0065	0.0836
TKN	9	0.7000	0.0000	0.3411	0.0777	0.2787
OP	9	0.0400	0.0000	0.0166	0.0072	0.0122
TP	9	0.0800	0.0000	0.0322	0.0006	0.0254
CL	9	70.0000	26.0000	38.7778	217.6944	14.7545
CU	9	0.2500	0.0000	0.0522	0.0031	0.0898
FE	9	0.3400	0.0000	0.1822	0.0107	0.1037
MN	7	0.1400	0.0000	0.0243	0.0027	0.0522
ZN	8	0.6300	0.0000	0.0944	0.0486	0.2205
TCOL	8	175.0000	0.0000	70.2500	5218.7857	72.2412
FCOL	7	10.0000	0.0000	2.0000	13.6667	3.6968

## CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FOC	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.704	1.000								
ALK	-0.266	-0.879	1.000							
FOC	0.111	-0.526	0.575	1.000						
TBOD	0.042	-0.702	0.893	0.697	1.000					
TCOD	0.138	0.069	0.039	-0.067	0.133	1.000				
TTOC	0.464	0.140	0.039	-0.199	0.816	-0.178	1.000			
TDS	-0.033	-0.259	0.338	-0.886	-0.166	-0.165	-0.299	1.000		
TSS	0.247	0.346	-0.501	-0.261	-0.410	0.545	-0.180	-0.442	1.000	
NO3N	-0.365	-0.567	0.735	0.375	0.571	-0.203	-0.107	0.461	-0.365	1.000
TKN	-0.040	-0.231	0.123	0.428	0.089	0.288	-0.311	0.192	0.241	0.382
OP	-0.111	0.437	-0.432	-0.865	-0.523	-0.157	0.302	-0.268	0.309	-0.570
TP	-0.050	-0.070	-0.022	0.091	-0.151	-0.111	0.031	0.031	0.050	-0.138
CL	-0.104	-0.075	-0.092	0.865	-0.527	-0.118	-0.402	0.806	0.007	-0.147
CU	-0.672	-0.540	0.176	0.123	-0.123	-0.295	0.834	0.003	-0.304	0.331
FE	-0.054	0.455	-0.574	-0.549	-0.431	-0.460	0.492	-0.203	-0.275	-0.136
MN	0.682	0.634	-0.536	-0.380	-0.175	-0.300	0.706	-0.322	-0.040	-0.416
ZN	0.415	0.254	-0.006	0.597	-0.606	-0.023	-0.188	0.617	-0.137	0.203
TCOL	0.316	0.134	0.199	0.367	0.288	0.746	0.127	0.240	0.095	0.235
FCOL	-0.092	-0.703	0.705	0.195	0.815	-0.217	0.075	-0.165	-0.117	0.168
	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	-0.593	1.000								
TP	-0.267	0.724	1.000							
CL	-0.318	0.581	0.562	1.000						
CU	0.457	-0.273	-0.271	-0.310	1.000					
FE	-0.535	0.335	-0.116	0.022	0.181	1.000				
MN	-0.420	0.318	-0.457	-0.429	0.146	0.837	1.000			
ZN	0.469	-0.238	0.312	0.263	-0.151	-0.306	-0.225	1.000		
TCOL	0.383	0.389	0.108	-0.073	-0.343	-0.517	-0.509	0.581	1.000	
FCOL	-0.087	0.277	0.554	-0.211	0.074	-0.528	-0.293	-0.155	-0.252	1.000

NMP-7, MONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	7	350.0000	235.0000	308.8571	1707.4762	41.3216
TH	4	147.0000	127.0000	137.5000	67.0000	8.1854
COL	7	10.0000	5.0000	6.4286	3.9524	2.4398
TUR	9	6.5000	0.0000	3.6111	5.6111	2.3688
TS	9	330.0000	200.0000	242.7778	2719.4444	52.1483
TVS	8	155.0000	40.0000	86.2500	1283.9286	35.9319
NH3N	7	0.2000	0.0000	0.0429	0.3062	0.5537
ORGN	5	0.5500	0.0000	0.2100	0.0443	0.2104
PHL	8	0.0000	0.0000	0.0139	0.0004	0.0203
SD4	9	25.0000	23.0000	24.4444	23.7778	4.5593
F	5	0.2000	0.1000	0.1200	0.0020	0.0447
CN	6	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	5	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	7	0.1200	0.0000	0.0443	0.0014	0.0374

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SD4
SPC	1.000									
TH	-0.975	1.000								
COL	0.578	-0.705	1.000							
TUR	0.600	-0.276	0.346	1.000						
TS	0.604	-0.828	0.207	0.091	1.000					
TVS	-0.092	0.238	-0.665	0.255	-0.096	1.000				
NH3N	0.451	0.058	-0.250	0.187	-0.049	0.778	1.000			
ORGN	0.361	1.000	-0.518	-0.222	0.682	0.821	0.904	1.000		
PHL	0.512	-0.882	0.454	0.470	-0.260	0.122	-0.045	-0.331	1.000	
SD4	0.435	0.914	-0.420	0.041	0.570	0.169	0.092	0.938	0.197	1.000
F	1.000	-1.000	1.000	0.431	-0.274	0.951	0.870	1.000	-0.160	-0.577
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	0.041	1.000	1.000	0.425	0.260	-0.017	-0.410	-0.389	-0.318	-0.154

	F	CN	SETR	SUR
F	1.000			
CN	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	-0.055	1.000	1.000	1.000

NMP-7, MONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	6	0.0080	0.0000	0.0013	0.0000	0.0033
AL	6	0.0000	0.0000	0.0000	0.0000	0.0000
AS	3	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.2500	0.0000	0.1050	0.0158	0.1256
BE	9	0.0000	0.0000	0.0016	0.0000	0.0032
CD	9	0.0230	0.0000	0.0052	0.0011	0.0076
CR	9	0.1600	0.0000	0.0233	0.0028	0.0529
HG	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	9	2.2400	1.3500	1.8778	0.1185	0.3442
MG	6	9.6000	6.6700	8.1317	1.4471	1.2029
NA	9	27.8000	9.0000	16.2967	47.4837	6.8908
NI	8	0.1500	0.0000	0.0463	0.0044	0.0661
PB	7	0.0800	0.0000	0.0286	0.0013	0.0367
SE	2	0.0000	0.0000	0.0000	0.0000	0.0000
SI	4	1.0000	0.0000	0.5000	0.3333	0.5774
V	6	0.3000	0.0000	0.1000	0.0240	0.1549

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HG	K	MG
AG	1.000									
AL	1.000	1.000								
AS	1.000	1.000	1.000							
BA	-0.557	1.000	1.000	1.000						
BE	-0.200	1.000	1.000	-0.557	1.000					
CD	-0.340	1.000	1.000	0.577	-0.369	1.000				
CR	-0.194	1.000	1.000	-0.434	0.811	-0.265	1.000			
HG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
K	-0.874	1.000	1.000	0.896	-0.323	0.442	0.767	1.000	1.000	
MG	1.000	1.000	1.000	1.000	-0.542	0.679	0.598	1.000	0.809	1.000
NA	-0.142	1.000	1.000	0.358	-0.402	0.840	-0.343	1.000	0.217	0.481
NI	-0.473	1.000	1.000	-0.149	0.673	-0.034	0.925	1.000	0.293	0.553
PB	-0.333	1.000	1.000	1.000	-0.343	-0.165	-0.434	1.000	-0.022	-0.395
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	0.500	1.000	1.000	0.500	-0.577	0.316	-0.552	1.000	-0.011	1.000
V	1.000	1.000	1.000	1.000	-0.316	0.377	-0.403	1.000	-0.171	-0.224

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	-0.150	1.000				
PB	0.034	-0.259	1.000			
SE	1.000	1.000	1.000	1.000		
SI	0.148	-0.419	-1.000		1.000	
V	0.662	0.854	1.000	-1.000	1.000	1.000

NMP-7, MONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	9	8.7000	6.6000	7.9333	0.3800	0.6164
T	8	74.0000	41.9000	55.4500	142.0429	11.9182
ALK	9	106.0000	76.0000	86.3333	97.0000	9.8489
FDO	7	12.1000	8.1000	9.5857	2.5381	1.5931
TBOD	7	2.0000	1.0000	1.2857	0.2381	0.4880
TCOD	9	35.0000	6.0000	17.3333	78.7500	8.8741
TTOC	5	9.0000	3.0000	5.2000	5.7000	2.3875
TDS	9	370.0000	175.0000	241.6667	3343.7500	57.8252
TSS	9	53.0000	1.0000	11.7778	306.1944	17.4984
NO3N	9	0.2600	0.0000	0.1378	0.0126	0.1121
TKN	9	1.2800	0.0000	0.5278	0.1952	0.4418
OP	9	0.0500	0.0000	0.0111	0.0003	0.0162
TP	9	0.3600	0.0100	0.0756	0.0136	0.1165
CL	9	65.0000	27.0000	36.7778	143.1944	11.9064
CU	9	0.4100	0.0100	0.0811	0.0161	0.1269
FE	9	0.2800	0.0000	0.0856	0.0135	0.1162
MN	7	0.2000	0.0000	0.0429	0.0051	0.0713
ZN	8	0.1170	0.0000	0.0313	0.0013	0.0357
TCOL	7	150.0000	0.0000	57.5714	4170.9524	64.5829
FCOL	7	5.0000	0.0000	3.5714	16.2857	4.0356

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.714	1.000								
ALK	-0.348	-0.273	1.000							
FDO	-0.342	-0.449	0.624	1.000						
TBOD	-0.841	-0.708	0.306	0.972	1.000					
TCOD	-0.480	-0.100	0.655	0.090	0.205	1.000				
TTOC	0.695	0.271	0.462	-0.232	1.500	0.029	1.000			
TDS	0.028	-0.119	0.244	0.763	0.739	0.083	-0.234	1.000		
TSS	0.452	0.174	0.027	0.168	-0.406	-0.797	-0.472	0.553	1.000	
NO3N	-0.238	-0.444	0.258	0.776	0.765	0.218	-0.126	0.814	0.149	1.000
TKN	0.028	-0.333	-0.735	-0.055	0.126	-0.762	-0.822	0.013	0.167	-0.075
OP	0.096	0.036	0.319	0.307	0.258	0.381	-0.497	0.693	0.845	0.402
TP	0.148	0.619	-0.430	-0.304	-0.264	0.102	-0.543	-0.074	0.136	-0.234
CL	0.025	-0.009	-0.126	0.885	-0.264	-0.192	-0.366	0.296	0.101	-0.064
CU	-0.288	-0.425	-0.445	0.314	0.627	-0.493	-0.672	0.019	-0.284	0.302
FE	0.063	0.360	-0.786	-0.451	-0.269	-0.442	-0.642	-0.344	-0.292	-0.552
MN	0.549	0.654	-0.068	-0.375	-0.361	-0.298	0.910	-0.242	-0.195	-0.352
ZN	0.396	0.265	0.007	0.431	-0.512	-0.084	-0.825	0.720	0.868	0.214
TCOL	0.313	0.111	0.017	0.185	-0.454	0.236	-0.172	0.579	0.494	0.546
FCOL	-0.024	-0.526	-0.055	-0.359	-0.147	0.142	-0.076	-0.208	0.228	-0.094

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	-0.154	1.000								
TP	0.007	0.122	1.000							
CL	0.268	0.034	-0.052	1.000						
CU	0.629	-0.348	-0.101	-0.299	1.000					
FE	0.601	-0.323	0.625	0.384	0.178	1.000				
MN	-0.492	-0.284	-0.150	-0.393	-0.335	-0.176	1.000			
ZN	0.156	0.774	0.008	0.549	-0.395	0.070	-0.216	1.000		
TCOL	-0.186	0.657	0.082	0.691	-0.438	-0.300	-0.254	0.637	1.000	
FCOL	0.333	0.199	-0.368	-0.237	-0.548	-0.215	-0.342	0.006	0.413	1.000

NMP-7, MONTHLY  
BOTTOM  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	7	348.0000	235.0000	295.4286	2084.6190	45.6576
TH	4	155.0000	136.0000	145.5000	89.3333	9.3986
COL	7	10.0000	0.0000	5.7143	11.9048	3.4503
TUR	9	5.2000	0.0000	3.5778	3.8544	1.9633
TS	9	425.0000	200.0000	252.4444	4927.5278	70.1764
TVS	8	100.0000	55.0000	79.3750	253.1250	15.9099
NH3N	8	0.1000	0.0000	0.0250	0.0021	0.0463
URGN	5	1.0000	0.0000	0.4000	0.1400	0.3782
PHL	8	0.1000	0.0000	0.0221	0.0013	0.0360
SO4	9	38.0000	23.0000	29.3333	19.0000	4.3589
F	5	0.2000	0.1000	0.1200	0.0020	0.0447
CN	6	0.1000	0.0000	0.0000	0.0000	0.0000
SETR	5	0.1000	0.0000	0.0000	0.0000	0.0000
SUR	7	0.1200	0.0000	0.0443	0.0014	0.0378

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	URGN	PHL	SO4
SPC	1.000									
TH	-0.756	1.000								
COL	0.649		1.000							
TUR	0.781	-0.942	0.003	1.000						
TS	0.359	0.196	-0.411	0.265	1.000					
TVS	-0.555	0.938	-0.659	-0.236	0.361	1.000				
NH3N	1.000	-0.989		0.193	-0.357	-0.398	1.000			
URGN	0.588	-1.000	0.764	-0.126	0.214	-0.424	1.000	1.000		
PHL	0.501	0.438	0.458	-0.042	0.001	0.059	0.039	0.946	1.000	
SO4	-0.062	0.193	-0.542	0.089	0.711	0.076	-0.133	-0.341	-0.611	1.000
F	1.000	-1.000	1.000	0.375	-0.306	-0.870	0.612	1.000	-0.391	-0.384
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	-0.240		-0.546	0.220	-0.224	0.299	0.013	-0.015	-0.024	-0.239

	F	CN	SETR	SUR
F	1.000			
CN	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	0.431	1.000	1.000	1.000

NMP-7, MONTHLY  
BOTTOM  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	6	0.0030	0.0000	0.0005	0.0000	0.0012
AL	6	0.0300	0.0000	0.0100	0.0002	0.0155
AS	3	0.0060	0.0000	0.0020	0.0000	0.0035
BA	4	0.1700	0.0000	0.0425	0.0072	0.0850
BE	9	0.0360	0.0000	0.0074	0.0001	0.0122
CO	9	0.0210	0.0000	0.0078	0.0001	0.0088
CR	9	0.0300	0.0000	0.0056	0.0001	0.0113
HC	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	9	2.2500	1.3900	1.8978	0.1213	0.3483
MG	6	5.2200	6.6700	8.0483	0.7447	0.8629
NA	9	22.4000	8.4500	15.2122	19.8195	4.4519
NI	8	0.2000	0.0000	0.0401	0.0047	0.0682
PB	7	0.0000	0.0000	0.0171	0.0010	0.0315
SE	2	0.0000	0.0000	0.0000	0.0000	0.0000
SI	4	0.0000	0.0000	0.0000	0.0000	0.0000
V	6	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CO	CR	HC	K	MG
AG	1.000									
AL	1.000	1.000								
AS	-0.500	1.000	1.000							
BA	-0.333	1.000	1.000	1.000						
BE	0.445	0.487	-0.500	-0.559	1.000					
CO	0.488	-0.077	-0.731	-0.112	0.041	1.000				
CR	1.000	-0.316	-0.500	-0.333	-0.038	0.265	1.000			
HC	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
K	-0.328	0.328	0.271	0.516	0.174	0.379	-0.301	1.000	1.000	
MG	1.000	0.021	1.000	-1.000	0.526	0.451	-0.782	1.000	0.356	1.000
NA	-0.346	0.911	0.578	0.971	0.187	-0.199	-0.368	1.000	0.232	-0.106
NI	0.970	-0.063	1.000	-0.349	0.086	0.600	0.705	1.000	-0.045	0.636
PB	1.000	1.000	1.000	1.000	0.186	-0.550	0.881	1.000	-0.332	-0.666
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
V	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	-0.303	1.000				
PB	0.082	-0.462	1.000			
SE	1.000	1.000	1.000	1.000		
SI	1.000	1.000	1.000	1.000	1.000	
V	1.000	1.000	1.000	1.000	1.000	1.000

NMP-8, MONTHLY  
SURFACE  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	9	8.8000	6.7020	7.9556	3.4973	0.7002
T	8	76.5000	41.5000	59.5125	162.5241	12.7495
ALK	9	112.0000	80.0000	89.3333	134.2500	11.5866
FOO	7	12.2000	7.6000	9.9429	2.5029	1.6318
T800	6	3.0000	1.0000	1.5000	0.7000	0.8367
TCUD	9	18.0000	3.0000	9.8889	25.3611	5.0360
TTOC	5	10.0000	1.0000	3.6000	16.7000	4.0866
TDS	9	335.0000	150.0000	238.3333	3012.5000	54.3862
TSS	9	7.0000	1.0000	3.3333	4.2500	2.0616
NO3N	9	0.3000	0.0000	0.1367	0.0133	0.1153
TKN	9	0.7000	0.0000	0.3611	0.0516	0.2272
OP	9	0.0300	0.0000	0.0089	0.0071	0.0093
TP	9	0.0500	0.0000	0.0411	0.0008	0.0280
CL	9	70.0000	26.0000	40.1111	205.8611	14.3479
CU	9	0.3100	0.0000	0.0522	0.0100	0.1001
FE	9	0.1500	0.0000	0.0512	0.0056	0.0749
MN	7	0.1200	0.0000	0.0400	0.0032	0.0566
ZN	8	0.0350	0.0000	0.0109	0.0032	0.0312
TCOL	6	165.0000	0.0000	43.8750	2698.1250	51.9435
FCOL	7	95.0000	0.0000	17.1429	1237.4762	35.1778

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FOO	T800	TCUD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.902	1.000								
ALK	-0.405	-0.462	1.000							
FOO	-0.170	-0.428	0.493	1.000						
T800	0.132	0.227	0.328	0.295	1.000					
TCUD	-0.193	-0.381	0.530	0.168	-0.086	1.000				
TTOC	0.269	0.232	-0.657	-0.597	0.562	0.075	1.000			
TDS	0.175	-0.174	0.524	0.818	0.450	0.447	-0.599	1.000		
TSS	0.098	-0.139	0.010	0.226	0.052	-0.225	0.226	0.226	1.000	
NO3N	-0.267	-0.627	0.735	0.641	-0.752	0.503	-0.457	0.787	0.447	1.000
TKN	0.077	-0.144	-0.258	0.474	-0.752	-0.153	-0.305	0.207	0.343	0.136
OP	-0.297	-0.295	0.050	0.176	-0.752	-0.244	0.150	-0.213	0.675	0.136
TP	0.143	-0.049	0.045	0.865	-0.306	0.187	-0.636	0.464	-0.223	0.171
CL	0.110	-0.030	0.065	0.750	-0.364	0.216	-0.580	0.276	-0.247	0.118
CU	-0.430	-0.575	-0.032	0.415	0.675	-0.245	-0.461	0.080	0.475	0.362
FE	-0.088	-0.237	0.314	0.320	-0.417	0.064	-0.764	0.208	0.045	0.353
MN	0.299	0.203	0.303	-0.058	0.772	0.129	0.056	0.208	0.285	0.348
ZN	0.162	0.104	-0.354	-0.192	-0.704	0.074	0.252	-0.133	0.256	-0.175
TCOL	0.503	0.253	-0.020	0.662	0.089	0.373	0.682	0.898	0.009	0.378
FCOL	-0.091	-0.364	0.674	0.357	-0.460	0.310	-0.629	0.500	0.500	0.855

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	0.339	1.000								
TP	0.535	-0.091	1.000							
CL	0.435	-0.008	0.941	1.000						
CU	0.051	0.164	-0.224	-0.289	1.000					
FE	0.230	0.144	0.599	0.760	0.107	1.000				
MN	-0.526			0.228	0.596	0.541	1.000			
ZN	0.632	0.411	-0.033	-0.016	-0.379	-0.328	-0.733	1.000		
TCOL	0.365	-0.331	0.407	0.161	-0.339	-0.440	-0.230	0.372	1.000	
FCOL	0.144	0.244	0.392	0.705	0.937	0.980	0.566	-0.301	-0.178	1.000



NMP-8, MONTHLY  
SURFACE  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	7	370.0000	240.0000	308.8571	2224.1429	47.1608
TH	3	157.0000	141.0000	148.0000	67.0000	8.1854
COL	7	10.0000	5.0000	7.1429	7.1429	2.6726
TJR	9	6.0000	0.0000	3.4444	5.5278	2.3511
YS	9	340.0000	150.0000	241.1111	3179.8611	56.3903
TVS	8	110.0000	15.0000	72.5000	1028.5714	32.0713
NH3N	7	0.2000	0.0000	0.0429	0.0062	0.0787
ORGN	5	0.5000	0.0000	0.3100	0.0455	0.2133
PHL	8	0.0540	0.0000	0.0416	0.0015	0.0392
SO4	9	35.0000	24.0000	28.5556	24.0278	4.9018
F	5	0.2000	0.1000	0.1200	0.0020	0.0447
CN	6	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	5	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	7	0.1100	0.0000	0.0371	0.0012	0.0350

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TJR	YS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-0.994	1.000								
COL	0.981	-0.952	1.000							
TJR	0.529	-0.854	0.532	1.000						
YS	0.628	-0.366	0.424	0.166	1.000					
TVS	-0.324	0.672	-0.423	0.114	0.397	1.000				
NH3N	0.647	1.000	-0.408	-0.052	0.016	0.072	1.000			
ORGN	0.641	-1.000	0.866	-0.472	0.410	-0.778	0.498	1.000		
PHL	0.855	-0.985	0.857	0.555	0.334	-0.299	-0.095	0.145	1.000	
SO4	0.477	0.952	-0.170	-0.067	0.757	0.467	0.286	0.303	-0.373	1.000
F	1.000	1.000	1.000	0.431	-0.153	-0.765	1.000	1.000	-0.504	-0.295
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	0.225	1.000	0.963	0.639	0.307	0.230	-0.187	0.016	0.477	-0.092
F										
CN	1.000	1.000								
SETR	1.000	1.000	1.000							
SUR	0.468	1.000	1.000	1.000						

NMP-8, MONTHLY  
SURFACE  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	6	0.0000	0.0000	0.0000	0.0000	0.0000
AL	6	0.0000	0.0000	0.0000	0.0000	0.0000
AS	2	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.0000	0.0000	0.0000	0.0000	0.0000
SE	9	0.0000	0.0000	0.0000	0.0000	0.0000
CD	9	0.0000	0.0000	0.0000	0.0000	0.0000
CR	9	0.0000	0.0000	0.0000	0.0000	0.0000
HG	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	9	0.0000	0.0000	0.0000	0.0000	0.0000
MG	6	0.0000	0.0000	0.0000	0.0000	0.0000
NA	9	0.0000	0.0000	0.0000	0.0000	0.0000
NI	8	0.0000	0.0000	0.0000	0.0000	0.0000
PB	7	0.0000	0.0000	0.0000	0.0000	0.0000
SE	3	0.0000	0.0000	0.0000	0.0000	0.0000
SI	4	0.0000	0.0000	0.0000	0.0000	0.0000
V	6	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HG	K	MG
AG	1.000									
AL	1.000	1.000								
AS	1.000	1.000	1.000							
BA	1.000	0.864	1.000	1.000						
BE	1.000	0.462	1.000	-0.476	1.000					
CD	1.000	-0.310	1.000	1.000	-0.184	1.000				
CR	1.000	-0.310	1.000	-0.637	0.863	-0.168	1.000			
HG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
K	1.000	0.665	1.000	0.758	0.981	0.408	-0.224	1.000	1.000	
MG	1.000	0.600	1.000	-0.000	0.473	-0.104	1.000	1.000	0.428	1.000
NA	1.000	0.534	1.000	0.976	-0.198	-0.409	-0.315	1.000	0.296	0.413
NI	1.000	0.829	1.000	0.973	0.304	-0.357	0.345	1.000	0.412	0.550
PB	1.000	-0.310	1.000	1.000	-0.167	-0.167	-0.167	1.000	-0.184	0.247
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
V	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	0.405	1.000				
PB	0.472	-0.335	1.000			
SE	1.000	1.000	1.000	1.000		
SI	1.000	1.000	1.000	1.000	1.000	
V	1.000	1.000	1.000	1.000	1.000	1.000

NMP-8, MONTHLY  
BOTTOM  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	9	8.8000	6.8000	7.9333	0.3725	0.6103
T	8	74.0000	40.0000	52.6250	143.7993	11.9916
ALX	9	97.0000	78.0000	87.2222	37.1944	6.0987
FDO	7	12.0000	8.2000	9.8000	2.0000	1.4142
TBOD	7	2.0000	0.0000	1.2857	0.5714	0.7559
TCOD	8	26.0000	4.0000	10.7500	49.9286	7.0660
TTOC	4	10.0000	0.0000	3.7500	21.5833	4.6458
TDS	9	345.0000	200.0000	235.0000	2543.7500	50.4356
TSS	9	40.0000	1.0000	7.4444	152.0278	12.3300
NO3N	9	0.3300	0.0000	0.1567	0.0133	0.1152
TKN	8	1.2000	0.1000	0.5238	0.1582	0.3978
OP	9	0.0300	0.0000	0.0056	0.0001	0.0101
TP	9	0.1700	0.0100	0.0511	0.0024	0.0488
CL	9	60.0000	27.0000	35.7778	134.9444	11.6166
CU	8	0.2900	0.0000	0.0638	0.0089	0.0941
FE	9	0.7300	0.0000	0.1422	0.0530	0.2303
NN	6	0.2700	0.0000	0.0667	0.0105	0.1025
ZN	7	0.1680	0.0000	0.0389	0.0035	0.0591
TCOL	7	240.0000	0.0000	70.0000	8969.0000	94.7048
PCOL	7	5.0000	0.0000	2.4286	4.9524	2.2254

## CORRELATION MATRIX FOLLOWS:

	PH	T	ALX	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.612	1.000								
ALX	0.046	0.311	1.000							
FDO	0.169	0.488	0.592	1.000						
TBOD	0.502	0.836	0.261	0.126	1.000					
TCOD	0.013	0.471	0.319	0.318	0.435	1.000				
TTOC	0.325	0.033	0.219	0.765	0.629	0.194	1.000			
TDS	0.258	0.316	0.378	0.729	0.557	0.151	0.784	1.000		
TSS	0.177	0.734	0.490	0.470	0.292	0.495	0.279	0.277	1.000	
NO3N	0.316	0.364	0.024	0.462	0.832	0.509	0.558	0.025	0.050	1.000
TKN	0.117	0.505	0.248	0.750	0.160	0.088	0.912	0.585	0.202	0.118
OP	0.236	0.377	0.422	0.424	0.510	0.672	0.610	0.281	0.272	0.649
TP	0.628	0.637	0.102	0.516	0.265	0.210	0.685	0.292	0.055	0.188
CL	0.081	0.177	0.161	0.727	0.711	0.094	0.906	0.444	0.100	0.398
CU	0.388	0.516	0.418	0.854	0.393	0.019	0.585	0.025	0.274	0.034
FE	0.516	0.522	0.541	0.412	0.377	0.154	0.588	0.190	0.180	0.172
NN	0.031	0.214	0.673	0.562	0.329	0.239	0.731	0.275	0.213	0.600
ZN	0.421	0.071	0.126	0.441	0.599	0.042	0.929	0.887	0.085	0.131
TCOL	0.263	0.296	0.602	0.131	0.390	0.844	0.619	0.440	0.266	0.646
PCOL	0.738	0.701	0.700	0.667	0.520	0.102	0.615	0.132	0.470	0.103
	TKN	OP	TP	CL	CU	FE	NN	ZN	TCOL	PCOL
TKN	1.000									
OP	0.435	1.000								
TP	0.623	0.065	1.000							
CL	0.234	0.360	0.167	1.000						
CU	0.762	0.234	0.424	0.257	1.000					
FE	0.602	0.054	0.362	0.170	0.910	1.000				
NN	0.430	0.075	0.414	0.228	0.853	0.251	1.000			
ZN	0.364	0.255	0.156	0.541	0.281	0.360	0.195	1.000		
TCOL	0.066	0.644	0.020	0.412	0.367	0.227	0.515	0.449	1.000	
PCOL	0.227	0.192	0.731	0.144	0.681	0.248	0.567	0.215	0.159	1.000

NMP-8 MONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	7	330.0000	240.0000	276.1429	1540.8095	39.2531
TH	3	175.0000	139.0000	158.0000	327.0000	18.0831
COL	7	10.0000	5.0000	6.4286	5.9524	2.4398
TUR	9	14.0000	0.0000	4.3778	17.5844	4.1934
TS	9	350.0000	200.0000	242.2222	2494.4444	49.9444
TVS	8	150.0000	30.0000	77.5000	1400.0000	37.4166
NH3N	7	0.1000	0.0000	0.0143	0.0014	0.0378
ORGN	5	0.8000	0.1000	0.4700	0.0995	0.3154
PHL	8	0.0800	0.0000	0.0168	0.0009	0.0303
SON	9	39.0000	23.0000	28.6667	41.0000	6.4031
F	4	0.1000	0.1000	0.1000	0.0000	0.0000
CN	5	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	5	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	7	0.1000	0.0000	0.0286	0.0011	0.0334

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SON
SPC	1.000									
TH	-0.026	1.000								
COL	0.958	-0.095	1.000							
TUR	0.772	-0.401	-0.011	1.000						
TS	-0.352	-0.581	-0.171	-0.102	1.000					
TVS	-0.509	-0.488	-0.809	-0.222	0.733	1.000				
NH3N	-0.380	1.000	1.000	-0.316	0.806	1.000	1.000			
ORGN	-0.124	1.000		-0.151	-0.878	-0.480	-0.488	1.000		
PHL	0.850	0.321	-0.951	0.032	-0.085	-0.627	1.000	0.211	1.000	
SON	-0.627	0.226	-0.438	-0.050	0.573	0.268	0.601	0.239	-0.302	1.000
F	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	0.561	1.000	1.000	-0.210	0.174	0.803	-0.380	0.412	-0.193	-0.283

	F	CN	SETR	SUR
F	1.000			
CN	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	1.000	1.000	1.000	1.000

NMP-8, MONTHLY  
BOTTOM  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	5	0.0040	0.0000	0.0014	0.0000	0.0019
AL	6	0.0360	0.0000	0.0060	0.0002	0.0147
AS	2	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.1300	0.0000	0.0325	0.0042	0.0650
BE	8	0.0070	0.0000	0.0013	0.0000	0.0025
CD	8	0.0100	0.0000	0.0013	0.0000	0.0035
CR	7	0.0400	0.0000	0.0057	0.0002	0.0151
CG	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	2.3700	1.3500	1.8300	0.1708	0.4132
MG	6	10.1000	6.6700	8.6817	1.5619	1.2497
NA	8	22.4000	9.0600	14.5113	23.5362	4.8514
NI	8	0.0800	0.0000	0.0200	0.0008	0.0278
PB	7	0.1300	0.0000	0.0300	0.0028	0.0532
SE	2	0.0000	0.0000	0.0000	0.0000	0.0000
SI	4	7.0000	0.0000	2.2500	10.2500	3.2016
Y	6	0.3000	0.0000	0.0500	0.0150	0.1225

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	CG	K	MG
AG	1.000									
AL	-0.333	1.000								
AS	-1.000	-1.000	1.000							
BA	-0.566	-0.500	1.000	1.000						
BE	-0.489	-1.000	1.000	-0.333	1.000					
CD	-0.401	-0.200	1.000	1.000	-0.198	1.000				
CR	-0.566	1.000	1.000	1.000	-0.233	1.000	1.000			
CG	-1.000	1.000	1.000	1.000	-1.000	1.000	1.000	1.000		
K	-0.987	-0.344	1.000	-0.634	-0.252	-0.479	0.518	1.000	-1.000	
MG	-1.000	-0.627	1.000	-1.000	-0.556	-0.189	-0.376	1.000	-0.048	1.000
NA	-0.236	-0.262	1.000	-0.956	-0.359	0.557	-0.117	1.000	-0.054	-0.134
NI	-0.539	-0.055	1.000	-0.245	-0.403		-0.147	1.000	-0.205	-0.419
PB	-0.333	-0.304	1.000	1.000	-0.249	0.828	-0.200	1.000	0.233	-0.633
SE	-1.000	1.000	1.000	1.000	-1.000	1.000	1.000		1.000	-1.000
SI	-0.971	-1.000	1.000	1.000	-0.260	0.989	1.000	1.000	-0.934	-1.000
Y	-1.000	-0.250	1.000	1.000	-0.200	1.000	-0.200	1.000	-0.124	0.172

	NA	NI	PB	SE	SI	Y
NA	1.000					
NI	-0.068	1.000				
PB	0.386	0.022	1.000			
SE	1.000	1.000	1.000	1.000		
SI	0.364	-0.014	0.991		1.000	
Y	0.908	-0.364	-0.200	1.000	-1.000	1.000

NMP-9 MONTHLY  
INTAKE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STO. DEV.
PH	10	8.5000	6.8000	7.9300	0.2468	0.4968
T	9	76.0000	41.4000	56.0222	155.4869	12.4694
ALK	10	105.0000	80.0000	90.7000	73.3444	8.5641
FOO	7	12.6000	8.2000	10.3429	3.1395	1.7719
TBOD	8	3.0000	1.0000	1.7500	1.0714	1.0351
TCOD	9	24.0000	5.0000	11.0000	48.5000	6.9642
TTOC	5	9.0000	2.0000	4.6000	7.3000	2.7019
TDS	10	375.0000	160.0000	233.5000	3533.1667	59.4909
TSS	10	14.0000	2.0000	6.2000	19.2899	4.3919
NO3N	10	0.3000	0.0000	0.1270	0.0134	0.1158
TKN	5	1.4000	0.1000	0.6322	0.1697	0.4120
OP	10	0.0100	0.0000	0.0050	0.0020	0.0053
TP	10	0.0500	0.0000	0.0270	0.0023	0.0164
CL	10	70.0000	27.0000	37.3000	167.1222	12.9276
CU	10	0.3500	0.0100	0.0752	0.0129	0.1137
FE	10	0.3500	0.0000	0.1370	0.0219	0.1479
MN	8	0.3200	0.0000	0.0563	0.0117	0.1080
ZN	9	0.0600	0.0000	0.0616	0.0264	0.1624
TCOL	8	430.0000	0.0000	93.3750	20317.1250	142.5382
FCOL	8	11.0000	0.0000	3.0000	13.1429	3.6253

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FOO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.726	1.000								
ALK	-0.280	-0.471	1.000							
FOO	-0.521	-0.797	0.742	1.000						
TBOD	-0.511	-0.581	0.714	0.869	1.000					
TCOD	0.459	0.372	0.024	-0.361	0.096	1.000				
TTOC	0.703	0.349	-0.328	-0.570	-0.063	-0.483	1.000			
TDS	0.229	-0.040	0.822	0.509	0.400	0.158	-0.464	1.000		
TSS	0.292	0.333	-0.574	-0.351	-0.072	0.135	-0.199	-0.530	1.000	
NO3N	-0.532	-0.497	0.430	0.642	0.371	-0.041	0.337	0.254	-0.742	1.000
TKN	0.127	-0.501	0.050	0.316	0.284	0.254	-0.243	0.006	0.462	-0.261
OP	-0.233	0.255	-0.209	-0.234	0.067	-0.034	0.372	-0.275	-0.336	0.519
TP	0.040	-0.023	0.388	0.515	-0.086	0.126	-0.453	0.269	-0.223	0.341
CL	-0.086	-0.234	-0.114	0.846	-0.072	-0.288	-0.643	-0.065	0.151	-0.156
CU	-0.096	-0.388	0.070	0.318	-0.257	-0.270	-0.263	0.069	-0.018	0.072
FE	-0.759	-0.715	0.235	0.589	0.170	-0.697	-0.573	-0.115	-0.172	0.131
MN	0.302	0.492	-0.430	-0.636	-0.528	-0.301	0.918	-0.311	-0.164	-0.186
ZN	-0.820	-0.349	0.365	0.315	0.516	-0.217	-0.155	-0.153	-0.121	0.407
TCOL	0.234	0.100	0.772	0.414	0.644	0.243	-0.201	0.911	-0.204	0.125
FCOL	0.064	-0.238	0.538	0.469	0.603	0.160	-0.592	0.572	-0.103	-0.343
	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	-0.765	1.000								
TP	-0.080	-0.364	1.000							
CL	0.044	-0.383	0.730	1.000						
CU	0.500	-0.382	-0.311	-0.280	1.000					
FE	-0.003	-0.221	-0.045	0.340	0.302	1.000				
MN	-0.503	0.406	-0.397	-0.484	-0.405	-0.335	1.000			
ZN	-0.330	0.392	-0.108	-0.068	-0.170	0.476	-0.239	1.000		
TCOL	0.000	-0.455	0.566	0.546	-0.115	-0.199	-0.355	0.042	1.000	
FCOL	0.273	-0.761	0.075	0.546	-0.134	0.379	-0.427	-0.223	0.877	1.000

NMP-9, MONTHLY  
INTAKE  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	2	334.0000	230.0000	332.0000	8.0000	2.8284
TH	4	162.0000	115.0000	135.2500	394.9167	19.6193
COL	8	10.0000	0.0000	5.6250	10.2679	3.2043
TUR	10	6.0000	0.0000	2.9600	5.0627	2.2545
TS	10	380.0000	170.0000	238.5000	3411.3899	58.4071
TVS	9	140.0000	30.0000	81.1111	929.8611	30.4936
NH3N	8	0.1000	0.0000	0.0125	0.0013	0.0354
ORGN	4	0.7000	0.5000	0.6125	0.0106	0.1031
PHL	9	0.0940	0.0000	0.0337	0.0015	0.0392
SO4	10	38.0000	24.0000	29.2000	29.8444	4.5656
F	5	0.2000	0.1000	0.1200	0.0020	0.0447
CN	6	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	6	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.1700	0.0000	0.0513	0.0034	0.0584

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-1.000	1.000								
COL	1.000	-0.750	1.000							
TUR	1.000	-0.676	0.117	1.000						
TS	1.000	-0.187	-0.709	0.233	1.000					
TVS	-1.000	0.713	-0.757	-0.032	0.356	1.000				
NH3N	1.000	-0.397	-0.721	-0.476	-0.201	-0.196	1.000			
ORGN	1.000	-1.000	0.721	0.350	0.222	-0.277	1.000	1.000		
PHL	1.000	-0.781	0.847	0.656	-0.404	-0.475	-0.280	0.971	1.000	
SO4	1.000	-0.885	-0.712	0.342	0.755	0.504	-0.392	-0.133	-0.395	1.000
F	-1.000	1.000	-0.691	-0.250	-0.778	1.000	1.000	1.000	-0.504	-0.727
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	-1.000	-0.352	0.055	-0.052	-0.137	-0.172	-0.437	-0.055	-0.058	

	F	CN	SETR	SUR
F	1.000			
CN	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	0.221	1.000	1.000	1.000

NMP-9, MONTHLY  
INTAKE  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	7	0.0120	0.0000	0.0021	0.0000	0.0045
AL	6	0.2730	0.0000	0.0455	0.0124	0.1115
AS	1	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.0000	0.0000	0.0000	0.0000	0.0000
BE	10	0.0510	0.0000	0.0117	0.0033	0.0161
CD	10	0.0150	0.0000	0.0032	0.0000	0.0057
CR	10	0.0430	0.0000	0.0080	0.0002	0.0140
HG	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	10	2.3500	1.3570	1.8440	0.1420	0.3769
MG	7	9.4400	0.3200	7.2743	9.9692	3.1574
NA	10	31.6000	8.9100	17.0350	50.8544	7.1312
NI	8	0.0500	0.0000	0.0188	0.0005	0.0217
PB	7	0.2400	0.0000	0.0521	0.0090	0.0950
SE	2	0.0000	0.0000	0.0000	0.0000	0.0000
SI	4	0.0000	0.0000	1.5000	9.0000	3.0000
V	7	0.3000	0.0000	0.0429	0.0129	0.1134

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HG	K	MG
AG	1.000									
AL	-0.323	1.000								
AS	1.000		1.000							
BA	1.000	1.000	1.000	1.000						
BE	-0.399	-0.260	1.000	1.000	1.000					
CD	-0.050	0.709	1.000	1.000	-0.453	1.000				
CR	-0.263	1.000	1.000	1.000	-0.244	0.061	1.000			
HG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
K	-0.022	0.464	1.000	1.000	-0.404	0.679	0.533	1.000	1.000	
MG	-0.298	0.336	1.000	1.000	0.247	0.396	0.332	1.000	0.464	1.000
NA	0.517	-0.232	1.000	1.000	0.352	-0.340	0.390	1.000	-0.021	0.228
NI	-0.539	0.374	1.000	1.000	-0.346	0.396	0.396	1.000	-0.183	-0.515
PB	1.000	-0.200	1.000	1.000	-0.176	-0.128	-0.242	1.000	0.029	0.172
SE	1.000		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	-0.500	1.000	1.000	1.000	0.038	-0.333	1.000	1.000	0.241	1.000
V	-0.333	-0.250	1.000	1.000	-0.047	-0.256	-0.258	1.000	-0.310	1.000

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	-0.283	1.000				
PB	0.451	-0.508	1.000			
SE	1.000	1.000	1.000	1.000		
SI	-0.705	0.071	1.000	1.000	1.000	
V	-0.145	0.578	-0.200	1.000	1.000	1.000



NMP-10 MONTHLY  
DISCHARGE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	10	8.5000	6.7000	7.9500	0.2894	0.5380
T	9	103.0000	44.6000	73.6556	502.0503	22.4065
ALK	10	56.0000	73.0000	87.4000	45.4889	6.8183
FDC	7	12.6000	7.9000	10.1857	3.2214	1.7948
TBOD	8	2.0000	1.0000	1.2500	0.2143	0.4629
TCOD	9	30.0000	3.0000	13.2222	85.4444	9.2976
TTOC	5	10.0000	0.0000	4.4000	17.3000	4.1593
TDS	10	525.0000	195.0000	261.5000	9272.5000	96.2938
TSS	10	16.0000	0.0000	4.5000	22.9444	4.7900
NO3N	10	0.3000	0.0000	0.1150	0.0115	0.1072
TKN	9	0.9700	0.0000	0.4300	0.3946	0.3076
OP	10	0.0600	0.0000	0.0130	0.0033	0.0177
TP	10	0.0800	0.0100	0.0390	0.0035	0.0228
CL	10	65.0000	27.0000	36.6000	129.7111	11.3451
CU	10	0.2500	0.0000	0.0830	0.0059	0.0766
FE	10	1.9200	0.0000	0.3140	0.3448	0.5872
MN	8	0.1800	0.0000	0.0700	0.0070	0.0837
ZN	9	0.1740	0.0000	0.0484	0.0033	0.0572
TCOL	8	220.0000	0.0000	70.6250	4999.5964	70.7085
FCOL	8	550.0000	0.0000	71.2500	37433.3571	193.4770

## CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDC	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.780	1.000								
ALK	0.463	-0.029	1.000							
FDC	-0.561	-0.766	-0.083	1.000						
TBOD	-0.788	-0.542	-0.358	0.930	1.000					
TCOD	0.420	0.471	0.037	-0.571	-0.360	1.000				
TTOC	-0.039	0.501	-0.031	-0.534	1.000	-0.085	1.000			
TDS	0.294	0.157	0.243	0.315	0.367	-0.134	-0.155	1.000		
TSS	0.149	0.060	-0.143	-0.017	-0.274	0.383	0.082	-0.335	1.000	
NO3N	-0.540	-0.219	-0.243	0.764	0.858	-0.235	0.519	0.239	-0.367	1.000
TKN	-0.024	-0.465	0.254	0.706	0.015	-0.343	-0.818	0.353	0.089	0.001
OP	-0.193	0.060	-0.269	-0.172	0.513	0.186	-0.329	-0.125	0.308	0.001
TP	0.032	0.140	-0.233	0.103	-0.031	0.725	0.210	-0.189	0.666	0.116
CL	-0.075	-0.214	-0.075	0.871	0.085	-0.382	-0.666	0.304	0.229	-0.102
CU	-0.182	-0.604	0.017	0.553	0.046	-0.365	-0.544	-0.068	-0.277	0.106
FE	-0.398	-0.668	0.176	0.532	-0.037	-0.510	-0.739	-0.151	-0.118	-0.021
MN	-0.088	-0.229	0.590	0.164	0.377	-0.559	0.079	-0.065	-0.382	-0.010
ZN	-0.766	-0.375	-0.890	0.484	0.708	0.040	-0.021	-0.340	0.261	0.466
TCOL	0.237	0.140	0.157	0.544	0.390	0.197	-0.156	0.771	0.081	0.381
FCOL	-0.002	-0.447	0.504	0.463	0.616	-0.047	-0.589	0.022	-0.332	-0.445
TKN										
OP		1.000								
TP		0.559	1.000							
CL		-0.088	0.153	1.000						
CU		0.600	-0.073	-0.335	1.000					
FE		0.651	-0.251	-0.456	0.734	1.000				
MN		-0.341	-0.381	-0.558	0.523	0.067	1.000			
ZN		-0.143	0.314	0.441	0.069	-0.384	-0.112	1.000		
TCOL		0.204	0.062	0.446	0.721	-0.127	-0.436	-0.244	1.000	
FCOL		0.041	-0.094	-0.370	0.500	0.549	0.247	0.537	-0.373	1.000

NMP-10, MONTHLY  
DISCHARGE  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	2	341.0000	320.0000	330.5000	220.5000	14.8492
TH	4	160.0000	115.0000	140.0000	419.3333	20.4776
COL	8	10.0000	0.0000	5.0000	7.1429	2.6726
TUR	10	7.0000	0.0000	3.1500	3.5583	1.8864
TS	10	530.0000	210.0000	265.0000	9235.5556	95.9456
TVS	9	170.0000	40.0000	70.5556	427.7778	20.6828
NH3N	9	0.1000	0.0000	0.0222	0.0019	0.0441
ORGN	5	0.6000	0.0000	0.2700	0.0620	0.2490
PHL	4	0.1600	0.0000	0.0387	0.0034	0.0580
SO4	10	35.0000	23.0000	28.4000	29.1556	5.3996
F	5	0.2000	0.1000	0.1200	0.0020	0.0447
CN	6	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	6	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.1100	0.0000	0.0338	0.0014	0.0370

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-1.000	1.000								
COL	-1.000	0.758	1.000							
TUR	1.000	-0.814	-0.477	1.000						
TS	1.000	-0.814	-0.329	0.266	1.000					
TVS	1.000	-0.695	-0.432	0.619	0.769	1.000				
NH3N	1.000	-0.971	-0.167		0.572	-0.323	1.000			
ORGN	1.000	-1.000	-0.240	-0.211	0.762	-0.246	0.741	1.000		
PHL	1.000	-0.644	-0.356	0.240	0.128	-0.203	-0.270	0.934	1.000	
SO4	-1.000	0.734	0.060	0.206	0.678	0.232	0.317	0.624	-0.345	1.000
F	1.000	1.000	1.000	-0.431	-0.319	-0.215	0.612	1.000	-0.333	-0.547
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	-1.000	1.000	1.000	0.240	-0.232	0.255	-0.229	0.162	0.708	-0.330

	F	CN	SETR	SUR
F	1.000			
CN	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	0.688	1.000	1.000	1.000

NMP-10, MONTHLY  
DISCHARGE  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	7	0.0020	0.0000	0.0003	0.0020	0.0008
AL	6	0.0000	0.0000	0.0016	0.0014	0.0012
AS	1	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.0000	0.0000	0.0000	0.0000	0.0000
BE	10	0.0180	0.0000	0.0040	0.0000	0.0000
CO	10	0.0150	0.0000	0.0028	0.0000	0.0000
CR	10	0.0600	0.0000	0.0130	0.0000	0.0000
HG	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	10	2.3500	1.3200	1.8500	0.1600	0.4074
NG	7	9.5200	0.3200	7.1314	9.6224	3.1020
NA	10	27.9000	9.3400	17.3890	30.3057	6.0254
NI	9	0.1000	0.0000	0.0378	0.0013	0.0367
PB	7	0.0000	0.0000	0.0214	0.0013	0.0367
SE	4	0.0000	0.0000	0.0000	0.0000	0.0000
SI	4	1.0000	0.0000	0.2500	0.2500	0.5000
V	7	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CO	CR	HG	K	NG
AG	1.000									
AL	1.000	1.000								
AS	1.000		1.000							
BA	1.000	1.000	1.000	1.000						
BE	-0.266	-0.207	1.000	1.000	1.000					
CO	-0.230	0.240	1.000	1.000	-0.085	1.000				
CR	0.024	0.514	1.000	1.000	0.474	-0.345	1.000			
HG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
K	-0.385	0.176	1.000	1.000	-0.086	0.362	0.239	1.000	1.000	
NG	-0.206	0.632		1.000	-0.393	0.123	0.373	1.000	0.354	1.000
NA	-0.681	0.475	1.000	1.000	-0.291	0.312	-0.284	1.000	-0.112	-0.031
NI	-0.438	-0.612	1.000	1.000	0.091	-0.334	-0.115	1.000	-0.052	0.247
PB	1.000	-0.659		1.000	0.023	-0.142	-0.257	1.000	0.118	-0.692
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	1.000		1.000	1.000		0.887	-0.333	1.000	0.868	-1.000
V	1.000	1.000		1.000	1.000	1.000	1.000	1.000	1.000	1.000

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	-0.750	1.000				
PB	-0.429	0.189	1.000			
SE	1.000	1.000	1.000	1.000		
SI	0.609	-0.570	1.000	1.000	1.000	
V	1.000	1.000	1.000	1.000	1.000	1.000

NMP-11, MONTHLY  
INTAKE COMPOSITE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	9	8.2000	6.9000	7.7667	0.1925	0.4387
T	0	0.0000	0.0000	0.0000	0.0000	0.0000
ALK	9	120.0000	82.0000	91.7778	140.1944	11.8434
FOG	0	0.0000	0.0000	0.0000	0.0000	0.0000
TBOD	7	3.0000	0.0000	1.8571	1.1429	1.0690
TCOD	9	24.0000	1.0000	11.6667	56.2500	7.5000
TTOC	4	6.0000	0.0000	3.7500	6.9167	2.6300
TDS	9	345.0000	135.0000	235.5556	3159.0278	56.2052
TSS	9	11.0000	0.0000	3.1111	18.1111	4.2557
NO3N	9	0.4100	0.0000	0.1533	0.0150	0.1226
TKN	8	1.4000	0.0000	0.5213	0.2056	0.4534
OP	9	0.0200	0.0000	0.0067	0.0001	0.0071
TP	9	0.0700	0.0100	0.0356	0.0004	0.0201
CL	9	70.0000	29.0000	38.3333	178.5000	13.3604
CU	9	0.2800	0.0000	0.0533	0.0077	0.0879
FE	9	1.3000	0.0000	0.3067	0.1537	0.3920
MN	7	0.3600	0.0000	0.0814	0.0163	0.1276
ZN	9	0.0430	0.0000	0.0196	0.0003	0.0168
TCOL	7	127.0000	0.0000	49.7143	2493.9048	49.9390
FCOL	7	2.0000	0.0000	0.4286	0.6190	0.7868

## CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FOG	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	-0.728	1.000								
ALK			1.000							
FOG				1.000						
TBOD	-0.358		0.508		1.000					
TCOD	-0.281		-0.038		-0.405	1.000				
TTOC	0.933		-0.586		0.500	0.266	1.000			
TDS	-0.164		0.463		0.761	-0.216	-0.951	1.000		
TSS	0.016		-0.409		-0.609	-0.230	0.621	-0.434	1.000	
NO3N	-0.411		0.175		0.375	-0.332	0.907	0.489	0.287	1.000
TKN	0.038		0.044		-0.252	0.152	-0.110	0.560	0.130	0.493
OP	-0.403		0.438		0.645	0.165	0.951	-0.042	-0.194	0.369
TP	0.350		-0.063		-0.310	0.778	-0.168	-0.036	-0.096	-0.105
CL	0.087		-0.226		-0.725	-0.030	0.931	-0.318	0.802	-0.020
CU	-0.438		0.037		-0.016	-0.093	0.048	0.153	-0.248	0.002
FE	-0.136		-0.317		-0.211	-0.454	-0.427	-0.071	0.690	0.622
MN	0.095		0.019		0.113	-0.472	-0.921	0.060	-0.050	-0.403
ZN	-0.351		0.267		0.531	-0.401	0.476	-0.190	0.205	0.375
TCOL	-0.428		-0.295		-0.489	0.884	-0.759	-0.560	-0.343	-0.534
FCOL	-0.157		-0.362		-0.535	-0.253	0.317	-0.148	0.856	0.706

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	-0.426	1.000								
TP	0.185	0.147	1.000							
CL	0.310	-0.410	-0.157	1.000						
CU	0.227	-0.322	-0.394	-0.155	1.000					
FE	-0.170	-0.099	-0.056	0.194	-0.093	1.000				
MN	-0.228	-0.603	-0.124	-0.192	-0.247	0.172	1.000			
ZN	-0.698	0.740	-0.281	-0.089	-0.498	0.315	-0.111	1.000		
TCOL	-0.336	0.366	0.815	-0.664	-0.349	-0.283	-0.702	-0.117	1.000	
FCOL	-0.265	0.132		0.309	0.106	0.938	-0.074	0.307	-0.160	1.000

NMP-11, MONTHLY  
INTAKE COMPOSITE  
ALL YEAR 1973

PARAMETER	NO. OF SAHP	HAX	NIN	KEAN	VARIANCE	STD. DEV.
SPC	2	354.0000	330.0000	342.0000	288.0000	16.9706
TH	4	157.0000	131.0000	145.5000	121.6667	11.0303
COL	7	45.0000	0.0000	11.4286	230.9524	15.1971
TUR	9	16.0000	0.0000	4.6889	22.7211	4.7667
TS	9	345.0000	145.0000	238.3333	2981.2500	54.6008
TVS	8	85.0000	10.0000	66.8750	556.6964	23.5944
NH3N	7	0.1000	0.0000	0.0286	0.0024	0.0488
ORGN	4	0.5000	0.0000	0.2250	0.0425	0.2062
PHL	8	0.1420	0.0000	0.0321	0.0028	0.0528
SO4	9	35.0000	22.0000	28.5556	15.5278	3.9405
F	4	0.2000	0.1000	0.1250	0.0025	0.0500
CN	5	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	5	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	7	0.1000	0.0100	0.0286	0.0011	0.0329

## CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-1.000	1.000								
COL	1.000	-0.523	1.000							
TUR	1.000	-0.875	0.935	1.000						
TS	1.000	-0.544	0.240	-0.025	1.000					
TVS	1.000	-0.695	0.019	0.098	0.865	1.000				
NH3N	1.000	-0.966	0.621	-0.745	-0.239	-0.163	1.000			
ORGN	1.000	1.000	-0.866	-0.577	-0.702	-0.882	-0.100	1.000		
PHL	1.000	0.310	-0.061	-0.114	-0.181	-0.438	-0.363	-0.602	1.000	
SO4	1.000	-0.710	0.583	0.402	-0.696	-0.635	0.409	-1.000	-0.340	1.000
F		1.000	1.000	0.444	-0.333	-0.500	1.000	1.000	-0.500	-0.539
CN		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR		-1.000	-0.421	-0.195	-0.158	0.237	-0.259	0.305	-0.023	-0.213

	F	CN	SETR	SUR
F	1.000			
CN	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	0.577	1.000	1.000	1.000

NMP-11, MONTHLY  
INTAKE COMPOSITE  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	HAX	HIH	NEAN	VARIANCE	STD. DEV.
AG	5	0.0120	0.0000	0.0024	0.0000	0.0054
AL	5	0.0000	0.0000	0.0000	0.0000	0.0000
AS	1	0.0000	0.0000	0.0000	0.0000	0.0000
BA	3	0.3900	0.0000	0.1300	0.0507	0.2252
BE	9	0.0090	0.0000	0.0010	0.0000	0.0030
CD	9	0.0670	0.0000	0.0091	0.0005	0.0219
CR	9	0.0700	0.0000	0.0133	0.0006	0.0250
HG	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	9	2.2800	1.3300	1.8567	0.1083	0.3291
NG	7	9.3800	6.6700	8.1729	0.8050	0.8972
NA	9	30.4000	8.7500	16.8178	41.8070	6.4658
NI	8	0.1240	0.0000	0.0443	0.0024	0.0487
PB	6	0.0400	0.0000	0.0067	0.0003	0.0163
SE	3	0.0000	0.0000	0.0000	0.0000	0.0000
SI	3	4.0000	0.0000	1.3333	5.3333	2.3094
V	6	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HG	K	NG
AG	1.000									
AL	1.000	1.000								
AS	1.000	1.000	1.000							
BA	-0.500	1.000	1.000	1.000						
BE	1.000	1.000	1.000	-0.500	1.000					
CD	-0.996	1.000	1.000	-0.536	-0.993	1.000				
CR	-0.250	1.000	1.000	-0.500	-0.200	-0.154	1.000			
HG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
K	-0.823	1.000	1.000	-0.143	-0.065	0.016	0.412	1.000	1.000	
NG	-1.000	1.000	1.000	-1.000	-1.000	-0.374	0.422	1.000	-0.217	-1.000
NA	-0.355	1.000	1.000	-0.845	-0.323	-0.390	0.247	1.000	-0.095	-0.129
NI	-0.050	1.000	1.000	-0.721	-0.201	-0.237	0.245	1.000	-0.470	-0.152
PE	1.000	1.000	1.000	1.000	1.000	-0.415	-0.058	1.000	-0.329	-0.766
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	-1.000
SI	-1.000	1.000	1.000	1.000	-0.500	-0.465	1.000	1.000	0.815	-1.000
V	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	-0.062	1.000				
PB	-0.007	0.443	1.000			

	NA	NI	PB	SE	SI	V
SE	1.000	1.000	1.000	1.000		
SI	-0.025	-0.500	1.000	1.000	1.000	
V	1.000	1.000	1.000	1.000	1.000	1.000

NMP-12, MONTHLY  
DISCHARGE COMPOSITE  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	10	8.2000	6.8000	7.7800	0.2107	0.4590
T	0	0.0000	0.0000	0.0000	0.0000	0.0000
ALK	10	100.0000	79.0000	88.8000	41.5111	6.4429
FDO	1	11.7000	11.7000	11.7000	0.0000	0.0000
TBOD	8	4.0000	0.0000	1.6250	1.5964	1.3025
TCOD	8	22.0000	6.0000	12.7500	39.0714	6.2507
TTOC	5	18.0000	0.0000	6.2000	55.2000	7.4297
TDS	10	285.0000	150.0000	234.0000	1213.0000	34.7851
TSS	10	13.0000	0.0000	3.1000	19.2111	4.3830
NO3N	10	0.4100	0.0000	0.1500	0.0195	0.1396
TKN	9	0.8500	0.0000	0.3069	0.0630	0.2509
OP	10	0.0200	0.0000	0.0070	0.0000	0.0067
TP	10	0.2700	0.0000	0.0490	0.0062	0.0787
CL	10	65.0000	28.0000	36.6000	137.6000	11.7303
CU	10	0.2200	0.0000	0.0520	0.0054	0.0736
FE	10	0.6200	0.0000	0.1940	0.0387	0.1967
MN	8	0.2400	0.0000	0.0775	0.0063	0.0791
ZN	9	0.0800	0.0000	0.0356	0.0009	0.0297
TCOL	8	150.0000	0.0000	53.3750	3514.5536	59.2837
FCOL	8	14.0000	0.0000	2.2500	23.6429	4.8624

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	-0.313	1.000								
ALK	0.000	0.000	1.000							
FDO	0.239	0.000	0.000	1.000						
TBOD	0.491	-0.086	0.000	0.000	1.000					
TCOD	0.774	-0.284	0.000	0.000	0.000	1.000				
TTOC	-0.151	0.736	0.000	0.197	-0.415	0.202	1.000			
TDS	0.145	-0.666	0.000	-0.118	-0.334	-0.353	-0.553	1.000		
TSS	-0.312	0.180	0.000	0.729	-0.035	0.506	0.229	-0.296	1.000	
NO3N	-0.129	0.227	0.000	0.052	0.388	-0.364	-0.166	-0.013	0.146	1.000
TKN	-0.595	-0.143	0.000	0.107	-0.269	-0.455	-0.393	0.312	0.271	0.146
OP	0.298	-0.323	0.000	-0.188	0.613	0.063	-0.358	-0.174	-0.037	0.271
CL	-0.002	0.153	0.000	-0.254	-0.182	-0.515	-0.213	0.252	-0.214	0.271
CU	-0.781	0.376	0.000	-0.063	-0.206	-0.098	0.166	-0.383	0.351	0.271
FE	-0.301	0.155	0.000	0.485	-0.657	-0.047	-0.032	0.045	0.498	0.271
MN	0.121	0.523	0.000	0.327	-0.150	-0.132	0.423	-0.434	-0.261	0.271
ZN	0.352	-0.322	0.000	0.242	0.339	-0.049	-0.597	0.584	0.143	0.271
TCOL	0.582	-0.693	0.000	0.104	-0.270	0.215	-0.159	0.612	-0.605	0.271
FCOL	-0.043	0.660	0.000	-0.280	-0.197	-0.464	0.474	-0.279	-0.414	0.271
	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	0.441	1.000								
TP	-0.386	-0.362	1.000							
CL	-0.105	0.081	-0.088	1.000						
CU	0.118	0.192	-0.145	-0.054	1.000					
FE	-0.189	0.428	-0.317	0.574	0.266	1.000				
MN	-0.571	-0.504	0.105	0.819	0.252	0.281	1.000			
ZN	0.426	0.164	-0.069	0.538	-0.197	0.425	-0.362	1.000		
TCOL	-0.203	-0.164	-0.265	-0.501	-0.679	-0.297	-0.237	-0.005	1.000	
FCOL	-0.252	-0.207	-0.079	0.764	-0.130	0.090	0.790	-0.567	-0.330	1.000

NMP-12, MONTHLY  
DISCHARGE COMPOSITE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	2	350.0000	330.0000	340.0000	20.0000	14.1421
TH	4	153.0000	134.0000	144.7500	86.2500	9.2871
COL	8	10.0000	0.0000	5.0000	7.1429	2.6726
TUR	10	8.0000	0.0000	3.2100	4.3966	2.0968
TS	10	285.0000	200.0000	236.5000	1011.3889	31.8023
TVS	9	115.0000	40.0000	73.3333	625.0000	25.0000
NH3N	9	0.1000	0.0000	0.0222	0.0019	0.0441
ORGN	5	0.3000	0.0000	0.1500	0.0163	0.1275
PHL	9	0.1200	0.0000	0.0216	0.0017	0.0411
SO4	10	34.0000	23.0000	27.3000	10.6778	3.2677
F	5	0.2000	0.1000	0.1200	0.0020	0.0447
CN	6	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	6	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.1000	0.0000	0.0338	0.0011	0.0338

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-1.000	1.000								
COL	-1.000	0.571	1.000							
TUR	1.000	-0.528	-0.020	1.000						
TS	1.000	-0.520	-0.475	0.455	1.000					
TVS	1.000	-0.959	-0.239	0.670	0.802	1.000				
NH3N	1.000	-0.995	-0.167	0.071	0.212	0.000	1.000			
ORGN	1.000	1.000	0.918	-0.346	-0.023	-0.490	0.439	1.000		
PHL	-1.000	0.462	0.405	-0.025	-0.335	-0.582	-0.168	0.882	1.000	
SO4	1.000	-0.822	-0.104	0.376	0.412	0.517	0.750	0.226	-0.432	1.000
F	-1.000	-1.000	1.000	-0.173	-0.344	-0.333	0.612	1.000	-0.333	0.165
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	-1.000	-1.000	1.000	0.182	0.177	0.640	-0.160	0.095	0.019	0.090

	F	CN	SETR	SUR
F	1.000			
CN	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	0.686	1.000	1.000	1.000



NMP-12, MONTHLY  
DISCHARGE COMPOSITE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	7	0.0080	0.0000	0.0023	0.0000	0.0039
AL	6	0.0170	0.0000	0.0017	0.0000	0.0041
AS	1	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.0000	0.0000	0.0000	0.0000	0.0000
BE	10	0.0350	0.0000	0.0075	0.0001	0.0108
CD	10	0.0090	0.0000	0.0025	0.0000	0.0041
CR	10	0.0500	0.0000	0.0160	0.0004	0.0212
HG	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	10	2.4400	1.4300	1.9580	0.1816	0.4262
MG	7	5.6000	6.0000	7.9614	1.1862	1.0891
NA	10	29.2000	9.4900	16.9340	25.5507	6.0457
NI	9	0.0700	0.0000	0.0256	0.0009	0.0292
PB	7	0.0000	0.0000	0.0000	0.0000	0.0000
SE	3	0.0000	0.0000	0.0000	0.0000	0.0000
SI	4	6.0000	0.0000	2.2500	8.2500	2.8723
V	7	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HG	K	MG
AG	1.000									
AL	-0.333	1.000								
AS	1.000		1.000							
BA	0.940	-0.182	1.000	1.000						
BE	-0.620	0.300	1.000	-0.935	1.000					
CD	0.300	0.512	1.000	0.821	-0.293	1.000				
CR	0.188	-0.311	1.000	-0.821	-0.136	-0.245	1.000			
HG	1.000	1.000		1.000	1.000	1.000	1.000	1.000		
K	-0.482	0.433	1.000	-0.706	-0.285	-0.248	0.212	1.000	1.000	
MG	-0.126	-0.547		-1.000	0.394	-0.410	0.469	1.000	0.013	1.000
NA	0.433	0.647	1.000	0.187	-0.279	0.129	0.211	1.000	0.217	-0.505
NI	0.097	0.114	1.000	0.007	0.406	0.123	-0.195	1.000	-0.535	-0.143
PB	-0.333	-0.200		-0.761	0.688	-0.523	0.556	1.000	0.133	0.823
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	-0.866	1.000	1.000	-0.649	0.866	-0.061	-0.211	1.000	0.995	-1.000
V	1.000	1.000		1.000	1.000	1.000	1.000	1.000	1.000	1.000

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	0.300	1.000				
PB	-0.363	-0.064	1.000			
SE	1.000	1.000	1.000	1.000		
SI	0.426	-0.157	1.000	1.000	1.000	
V	1.000	1.000	1.000	1.000	1.000	1.000

NMP-7, MONTHLY  
ALL DEPTHS  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	18	8.8000	6.8000	8.0333	0.2894	0.5380
T	16	81.0000	41.9000	58.2313	172.3076	13.1266
ALK	18	106.0000	76.0000	88.5000	58.3824	7.6408
PDO	14	12.1000	7.9000	9.6429	2.2149	1.4883
TBOD	14	3.0000	1.0000	1.5714	0.4176	0.6462
TCOD	18	35.0000	3.0000	14.2778	85.7418	9.2597
TTOC	10	10.0000	2.0000	5.4000	6.4889	2.5473
TDS	18	370.0000	175.0000	240.0000	2917.6471	54.0152
TSS	18	53.0000	1.0000	8.3889	167.7810	12.9530
NO3N	18	0.2800	0.0000	0.1278	0.0091	0.0953
TKN	18	1.2800	0.0000	0.4344	0.1376	0.3710
OP	18	0.0500	0.0000	0.0106	0.0002	0.0139
TP	18	0.3800	0.0000	0.0539	0.0072	0.0848
CL	18	70.0000	26.0000	37.7778	170.8889	13.0724
CU	18	0.4100	0.0000	0.0667	0.0116	0.1077
FE	18	0.3600	0.0000	0.1339	0.0139	0.1178
NN	14	0.2000	0.0000	0.0336	0.0037	0.0608
ZN	16	0.6380	0.0000	0.0628	0.0244	0.1561
TCOL	15	175.0000	0.0000	64.3333	4439.8095	66.6319
PCOL	14	10.0000	0.0000	2.7857	14.4890	3.8064

## CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	PDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.701	1.000								
ALK	-0.311	-0.464	1.000							
PDO	-0.169	-0.458	0.579	1.000						
TBOD	-0.234	-0.469	0.473	-0.672	1.000					
TCOD	-0.258	-0.080	0.388	-0.007	-0.018	1.000				
TTOC	-0.563	-0.213	0.237	-0.208	0.474	-0.117	1.000			
TDS	-0.003	-0.200	-0.264	-0.816	-0.154	-0.025	-0.260	1.000		
TSS	-0.315	-0.102	-0.045	-0.054	-0.385	-0.129	-0.334	0.308	1.000	
NO3N	-0.296	-0.497	-0.402	-0.600	-0.560	-0.073	-0.119	0.668	0.009	1.000
TKN	-0.044	-0.292	-0.507	-0.156	-0.056	-0.221	-0.561	0.080	0.229	0.003
OP	-0.013	-0.058	-0.102	-0.039	-0.115	-0.149	-0.072	0.297	0.684	0.063
TP	-0.054	-0.290	-0.366	-0.211	-0.266	-0.137	-0.345	-0.039	0.192	-0.166
CL	-0.020	-0.027	-0.101	-0.838	-0.370	-0.168	-0.374	0.452	0.039	-0.107
CU	-0.436	-0.478	-0.277	-0.183	-0.258	-0.329	-0.183	0.017	-0.221	0.322
FE	-0.095	-0.458	-0.622	-0.419	-0.111	-0.527	0.028	-0.269	-0.215	-0.394
NN	-0.499	-0.555	-0.181	-0.376	-0.283	-0.206	-0.760	-0.259	-0.098	-0.346
ZN	-0.322	-0.266	-0.006	-0.446	-0.472	-0.082	-0.415	0.480	0.037	0.115
TCOL	-0.316	-0.159	0.080	-0.298	-0.074	0.477	-0.052	0.392	0.270	0.364
PCOL	-0.102	-0.634	0.243	-0.108	0.208	0.044	-0.063	-0.171	0.199	0.034

	TKN	OP	TP	CL	CU	FE	NN	ZN	TCOL	PCOL
TKN	1.000									
OP	-0.274	1.000								
TP	-0.045	0.192	1.000							
CL	-0.010	0.285	-0.038	1.000						
CU	0.586	-0.313	-0.073	-0.300	1.000					
FE	-0.057	-0.070	-0.273	-0.206	-0.101	1.000				
NN	-0.454	-0.113	-0.104	-0.394	-0.145	-0.151	1.000			
ZN	-0.204	-0.052	0.289	-0.268	-0.154	-0.075	-0.192	1.000		
TCOL	0.050	0.132	0.038	-0.103	-0.388	-0.315	-0.384	-0.511	1.000	
PCOL	0.152	0.242	-0.129	-0.235	-0.245	-0.417	-0.275	-0.159	0.022	1.000

NMP-7, MONTHLY  
ALL DEPTHS  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	14	350.0000	235.0000	302.1429	1798.7473	42.4116
TH	8	155.0000	127.0000	141.5000	84.8571	9.2118
COL	14	10.0000	0.0000	6.0714	8.3791	2.8947
TUR	18	6.5000	0.0000	3.5944	4.4547	2.1106
TS	18	425.0000	200.0000	247.6111	3623.3105	60.1939
TVS	16	155.0000	40.0000	82.8125	729.8958	27.0166
NH3N	15	0.2000	0.0000	0.0333	0.0038	0.0617
ORGN	10	1.0000	0.0000	0.3100	0.0943	0.3071
PHL	16	0.1000	0.0000	0.0180	0.0008	0.0286
SO4	18	39.0000	23.0000	29.3889	18.7222	4.3269
P	10	0.2000	0.1000	0.1200	0.0018	0.0422
CN	12	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	10	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	14	0.1200	0.0000	0.0443	0.0013	0.0361

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-0.633	1.000								
COL	0.626	-0.290	1.000							
TUR	0.671	-0.562	0.163	1.000						
TS	-0.430	0.344	-0.076	0.178	1.000					
TVS	-0.280	-0.165	-0.552	0.130	-0.011	1.000				
NH3N	0.379	-0.347	-0.100	0.181	-0.184	0.531	1.000			
ORGN	0.313	0.527	0.246	-0.125	0.347	0.103	-0.275	1.000		
PHL	0.472	0.334	0.348	0.137	-0.106	0.054	-0.005	0.724	1.000	
SO4	0.180	-0.489	-0.496	0.062	-0.637	0.128	0.008	0.078	-0.311	1.000
P	1.000	-0.923	1.000	0.401	-0.281	0.392	0.737	1.000	-0.268	-0.482
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	-0.079	0.457	-0.636	0.327	-0.019	0.074	-0.236	-0.197	0.179	-0.195
P	1.000									
CN	1.000	1.000								
SETR	1.000	1.000	1.000							
SUR	0.190	1.000	1.000	1.000						

NMP-7, MONTHLY  
ALL DEPTHS  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	12	0.0080	0.0000	0.0009	0.0000	0.0024
AL	12	0.0300	0.0000	0.0050	0.0001	0.0117
AS	6	0.0060	0.0000	0.0010	0.0000	0.0024
BA	8	0.2500	0.0000	0.0738	0.0110	0.1047
BE	18	0.0360	0.0000	0.0045	0.0001	0.0092
CD	18	0.0230	0.0000	0.0065	0.0001	0.0081
CR	18	0.1600	0.0000	0.0144	0.0015	0.0382
EG	6	0.0000	0.0000	0.0000	0.0000	0.0000
K	18	2.2600	1.3500	1.8878	0.1129	0.3361
NG	12	9.6000	6.6700	8.0900	0.9981	0.9991
NA	18	27.8000	8.9500	15.7544	31.9834	5.6554
NI	16	0.2000	0.0000	0.0431	0.0042	0.0650
PB	14	0.0800	0.0000	0.0229	0.0011	0.0334
SE	4	0.0000	0.0000	0.0000	0.0000	0.0000
SI	8	1.0000	0.0000	0.2500	0.2143	0.4629
V	12	0.3000	0.0000	0.0500	0.0136	0.1168

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	EG	K	NG
AG	1.000									
AL	-0.143	1.000								
AS	-0.200	0.200	1.000							
BA	-0.385	0.315	1.000	1.000						
BE	-0.581	-0.381	-0.314	-0.557	1.000					
CD	-0.164	-0.014	-0.360	-0.160	0.023	1.000				
CR	-0.041	-0.220	-0.242	-0.192	0.101	-0.161	1.000			
EG	1.000	1.000		1.000	1.000	1.000	1.000	1.000		
K	-0.647	0.244	0.147	0.679	0.068	0.406	-0.019	1.000	1.000	
NG	1.000	-0.098	1.000	-0.001	0.202	0.573	0.234	1.000	0.600	1.000
NA	-0.159	-0.355	0.589	0.574	-0.022	0.358	-0.289	1.000	0.213	0.305
NI	-0.033	-0.174	1.000	-0.183	0.151	-0.285	0.722	1.000	-0.114	-0.578
PB	-0.143	-0.090	1.000	1.000	0.010	-0.345		1.000	-0.162	-0.478
SE	1.000	1.000	1.000	1.000	-1.000	1.000	1.000		1.000	1.000
SI	0.516	-0.500	1.000	0.250	-0.344	0.125	-0.222	1.000	-0.089	-0.721
V	1.000	-0.167	1.000	1.000	-0.220	0.067	-0.220	1.000	-0.127	-0.205

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	-0.196	1.000				
PB	0.070	-0.296	1.000			
SE	1.000	1.000	1.000	1.000		
SI	0.231	-0.205	-0.474	-1.000	1.000	
V	0.546	0.027	0.650	1.000	-0.333	1.000

NMP-8, MONTHLY  
ALL DEPTHS  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	18	8.8000	6.7000	7.9444	0.4061	0.6373
T	16	76.5000	40.0000	55.5688	152.1943	12.3367
ALK	18	112.0000	78.0000	88.2778	81.8595	9.0476
PDO	14	12.2000	7.6000	9.8714	2.1576	1.4689
TBOD	13	3.0000	0.0000	1.3846	0.5897	0.7679
TCOD	17	26.0000	3.0000	10.2941	34.7206	5.8924
TTOC	9	10.0000	0.0000	5.7778	16.4444	4.0552
TDS	18	345.0000	190.0000	236.6667	2617.6471	51.1629
TSS	18	40.0000	1.0000	5.3889	78.0163	8.8327
NO3N	18	0.3800	0.0000	0.1467	0.0126	0.1123
TKN	17	1.2000	0.0000	0.4376	0.1020	0.3194
OP	18	0.0300	0.0000	0.0072	0.0001	0.0096
TP	18	0.1700	0.0100	0.0461	0.0015	0.0390
CL	18	70.0000	26.0000	37.9444	165.3497	12.8588
CU	17	0.3100	0.0000	0.0576	0.0089	0.0944
FE	18	0.7300	0.0000	0.0967	0.0298	0.1726
MN	13	0.2700	0.0000	0.0523	0.0062	0.0785
ZN	15	0.1680	0.0000	0.0239	0.0018	0.0422
TCOL	15	240.0000	0.0000	56.0667	5374.9238	73.3139
PCOL	14	95.0000	0.0000	9.7857	631.7198	25.1340

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	PDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.752	1.000								
ALK	-0.280	-0.339	1.000							
PDO	-0.167	-0.420	0.500	1.000						
TBOD	-0.159	-0.198	0.304	-0.239	1.000					
TCOD	-0.085	-0.398	-0.392	-0.075	0.209	1.000				
TTOC	0.295	-0.093	-0.486	-0.640	0.548	0.151	1.000			
TDS	0.212	0.218	-0.461	-0.777	0.468	-0.282	-0.667	1.000		
TSS	-0.119	-0.403	-0.244	-0.283	-0.229	-0.356	-0.185	-0.161	1.000	
NO3N	-0.290	-0.509	-0.436	-0.129	0.386	0.530	-0.017	0.393	-0.106	1.000
TKN	-0.040	-0.392	-0.237	-0.592	-0.204	0.048	-0.642	-0.422	-0.066	0.005
OP	-0.258	0.290	-0.193	-0.104	-0.281	-0.275	0.383	-0.236	-0.160	-0.379
TP	0.405	0.314	-0.037	-0.056	-0.287	-0.079	0.288	-0.005	-0.059	-0.042
CL	-0.099	-0.035	-0.111	0.727	-0.472	-0.044	-0.639	0.347	-0.131	-0.126
CU	-0.412	-0.546	-0.155	0.572	0.220	-0.090	-0.517	0.055	-0.100	-0.182
FE	-0.335	-0.432	-0.180	0.012	0.119	0.145	-0.176	-0.081	-0.091	-0.210
MN	0.089	-0.098	-0.348	0.276	0.679	0.219	-0.407	0.233	-0.105	-0.199
ZN	0.282	-0.126	-0.046	0.223	-0.639	0.061	-0.379	0.523	-0.059	0.083
TCOL	0.335	-0.120	0.254	0.175	-0.219	0.704	0.432	0.586	-0.164	0.554
PCOL	-0.080	-0.174	0.639	0.298	-0.269	0.164	-0.432	0.407	-0.035	0.540
	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	PCOL
TKN	1.000									
OP	-0.197	1.000								
TP	0.252	-0.094	1.000							
CL	0.254	-0.135	0.244	1.000						
CU	0.449	-0.041	-0.309	-0.281	1.000					
FE	0.561	-0.056	-0.161	0.029	0.587	1.000				
MN	0.132	-0.061	-0.242	0.172	0.709	0.102	1.000			
ZN	0.438	-0.191	-0.079	0.254	-0.202	-0.208	0.154	1.000		
TCOL	0.095	0.261	0.156	0.159	-0.308	-0.161	0.092	0.462	1.000	
PCOL	0.057	0.190	0.030	0.576	0.647	0.688	0.250	-0.187	-0.144	1.000

NMP-8, MONTHLY  
ALL DEPTHS  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	14	370.0000	240.0000	292.5000	2025.8077	45.0090
TH	6	175.0000	139.0000	153.0000	187.6000	13.6967
COL	14	10.0000	5.0000	6.7857	6.1813	2.4862
TUR	18	14.0000	0.0000	3.9111	11.1069	3.3327
TS	18	350.0000	190.0000	241.6667	2670.5882	51.6777
TVS	16	150.0000	15.0000	75.0000	1140.0000	33.7639
NH3N	14	0.2000	0.0000	0.0286	0.0037	0.0611
ORGN	10	0.8000	0.0000	0.3900	0.0716	0.2675
PHL	16	0.0940	0.0000	0.0292	0.0013	0.0362
SO4	18	39.0000	23.0000	28.6111	30.6046	5.5321
F	9	0.2000	0.1000	0.1111	0.0011	0.0333
CN	11	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	10	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	14	0.1100	0.0000	0.0329	0.0011	0.0331

## CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-0.294	1.000								
COL	0.970	-0.311	1.000							
TUR	0.594	-0.414	0.156	1.000						
TS	-0.201	-0.198	-0.184	0.003	1.000					
TVS	-0.423	0.046	-0.525	-0.194	0.528	1.000				
NH3N	0.192	1.000	-0.218	-0.189	0.224	0.015	1.000			
ORGN	0.005	-0.097	-0.120	-0.264	-0.619	-0.052	0.463	1.000		
PHL	-0.851	-0.205	-0.916	0.153	-0.007	-0.437	0.053	0.038	1.000	
SO4	-0.064	0.409	-0.322	0.016	-0.646	-0.328	0.330	0.259	-0.293	1.000
F	1.000	1.000	1.000	0.060	-0.140	-0.641	1.000	1.000	-0.253	-0.277
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	0.288	-1.000	0.685	0.312	0.245	0.554	-0.194	0.209	0.314	-0.197

	F	CN	SETR	SUR
F	1.000			
CN	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	0.461	1.000	1.000	1.000

NMP-8, MONTHLY  
ALL DEPTHS  
ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	11	0.0040	0.0000	0.0006	0.0000	0.0014
AL	12	0.1000	0.0000	0.0173	0.0012	0.0341
AS	4	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.3300	0.0000	0.0675	0.0137	0.1170
BE	17	0.0220	0.0000	0.0025	0.0000	0.0055
CD	17	0.0100	0.0000	0.0007	0.0000	0.0024
CR	16	0.0800	0.0000	0.0094	0.0005	0.0224
EG	6	0.0000	0.0000	0.0000	0.0000	0.0000
K	17	2.3700	1.3200	1.8671	0.1617	0.4021
NG	12	10.1000	6.6700	8.5517	1.1389	1.0672
NA	17	28.2000	9.0600	15.5300	32.4143	5.6934
NI	16	0.0800	0.0000	0.0188	0.0005	0.0233
PB	14	0.1300	0.0000	0.0193	0.0017	0.0408
SE	5	0.0000	0.0000	0.0000	0.0000	0.0000
SI	8	7.0000	0.0000	1.1250	5.8393	2.4165
V	12	0.3000	0.0000	0.0250	0.0075	0.0866

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	EG	K	NG
AG	1.000									
AL	-0.264	1.000								
AS	1.000	1.000	1.000							
BA	-0.351	0.723	1.000	1.000						
BE	-0.040	-0.497	1.000	-0.303	1.000					
CD	-0.177	-0.191	1.000	-0.216	-0.137	1.000				
CR	-0.287	-0.024	1.000	-0.386	-0.718	-0.112	1.000			
EG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
K	-0.611	-0.498	1.000	-0.651	0.022	-0.350	0.013	1.000	1.000	
NG	1.000	-0.485	1.000	-0.404	-0.482	-0.123	-0.333	1.000	0.148	1.000
NA	-0.237	-0.384	1.000	-0.955	-0.173	-0.199	-0.220	1.000	0.169	0.248
NI	0.390	-0.381	1.000	0.172	-0.053	-0.028	-0.219	1.000	0.050	-0.082
PB	-0.143	-0.286	1.000	0.152	-0.198	0.749	-0.178	1.000	0.090	-0.343
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	-0.139	-0.233	1.000	-0.119	-0.194	-0.982	-0.352	1.000	-0.543	-0.958
V	1.000	-0.157	1.000	1.000	-0.133	-0.091	-0.133	1.000	-0.090	0.199

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	0.149	1.000				
PB	0.320	-0.016	1.000			
SE	1.000	1.000	1.000	1.000		
SI	0.086	-0.034	-0.870		1.000	
V	0.584	-0.213	-0.133	1.000	-0.333	1.000

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	75	8.8000	6.6000	7.5213	0.2873	0.5295
T	50	163.6000	40.0000	59.7580	451.2234	15.8499
ALK	75	120.6000	73.0000	89.0267	88.8641	8.2994
FDO	43	12.8000	7.6000	9.5674	2.4032	1.5522
TBOD	58	4.0000	0.0000	1.5517	0.7429	0.8619
TCOD	70	35.0000	1.0000	12.2429	57.7228	7.5976
TTOC	38	18.0000	3.0000	5.1842	14.9111	3.8615
TDS	75	525.0000	135.0000	239.8667	3145.6036	58.2834
TSS	75	53.0000	0.0000	5.5200	64.6043	8.3429
NC3N	75	0.4100	0.0000	0.1355	7.7122	0.1104
TKN	70	1.4000	0.0000	0.4539	0.1240	0.3522
OP	75	0.6000	0.0000	0.3084	0.3031	0.5512
TP	75	0.3800	0.0000	0.1436	0.0030	0.0545
CL	75	70.0000	25.0000	37.5067	149.6317	12.2324
CU	74	0.4100	0.0000	0.0644	0.0785	0.0927
FE	75	1.9200	0.0000	0.1761	0.0828	0.2876
MN	58	0.3600	0.0000	0.1578	0.0072	0.0849
ZN	67	0.6380	0.0000	0.2453	0.0101	0.1025
TCOL	61	430.0000	0.0000	63.8197	6078.6533	77.9657
FCOL	59	550.0000	0.0000	13.4068	5211.4868	72.1906

## CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NC3N
PH	1.000									
T	0.636	1.000								
ALK	-0.272	-0.311	1.000							
FDO	-0.315	-0.453	0.357	1.000						
TBOD	-0.220	-0.443	0.362	0.602	1.000					
TCOD	0.088	0.108	0.166	-0.155	-0.059	1.000				
TTOC	0.338	0.153	-0.267	-0.512	0.178	-0.062	1.000			
TDS	0.122	0.032	0.396	0.554	0.345	-0.012	-0.263	1.000		
TSS	0.224	0.116	-0.201	-0.097	-0.234	0.112	-0.144	-0.048	1.000	
NC3N	-0.367	-0.409	0.277	0.442	0.515	0.022	0.148	0.342	-0.067	1.000
TKN	-0.005	-0.341	-0.093	0.382	0.053	-0.046	-0.412	0.213	0.129	0.021
OP	-0.147	0.073	0.022	-0.075	0.377	0.242	0.120	-0.073	0.269	-0.050
TP	0.170	0.177	-0.197	-0.117	-0.194	0.239	0.305	-0.059	0.129	-0.117
CL	0.015	-0.099	-0.037	0.703	-0.306	-0.153	-0.438	0.114	0.373	0.165
CU	-0.354	-0.403	-0.017	0.380	0.334	-0.228	-0.297	0.051	-0.157	0.150
FE	-0.258	-0.268	-0.076	0.118	0.716	-0.322	-0.211	-0.039	-0.052	-0.210
MN	0.122	0.164	0.092	-0.125	-0.343	-0.238	-0.725	-0.314	-0.168	0.156
ZN	-0.028	-0.029	0.020	0.336	0.237	-0.052	-0.120	0.116	0.380	0.125
TCOL	0.307	0.052	0.201	0.357	0.163	0.363	0.159	0.487	0.058	-0.126
FCOL	-0.011	-0.109	0.152	0.153	-0.107	0.024	-0.258	0.039	-0.079	

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NC3N
TKN	1.000									
OP	-0.290	1.000								
TP	-0.107	0.098	1.000							
CL	0.089	-0.008	0.071	1.000						
CU	0.464	-0.147	-0.151	-0.229	1.000					
FE	0.222	-0.076	-0.082	0.072	0.273	1.000				
MN	-0.267	-0.193	-0.104	0.092	0.153	0.134	1.000			
ZN	0.359	0.046	0.023	0.129	-0.147	0.312	-0.183	1.000		
TCOL	0.064	0.053	0.050	0.151	-0.254	-0.213	-0.257	0.248	1.000	
FCOL	0.306	0.327	-0.055	0.151	0.403	0.070	0.295	-0.374	0.058	1.000



NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	36	370.0000	235.0000	305.9444	1732.9111	41.6282
TH	30	175.0000	115.0000	143.7333	189.0789	13.7513
COL	59	45.0000	0.0000	6.5254	33.0399	5.8172
TUR	75	16.0000	0.0000	3.6067	7.8879	2.8085
TS	75	520.0000	145.0000	244.6533	3534.8512	59.2021
TVS	67	155.0000	10.0000	75.8955	754.4889	27.4680
NH3N	62	0.2000	0.0000	0.0258	0.0026	0.0510
ORGN	38	1.0000	0.0000	0.3276	0.0689	0.2624
PHL	67	0.1690	0.0000	0.0277	0.0016	0.0404
SO4	75	35.0000	22.0000	28.6667	23.3198	4.5629
F	38	0.2000	0.1000	0.1194	0.0015	0.0393
CN	46	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	43	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	59	0.1700	0.0000	0.0378	0.0014	0.0377

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-0.422	1.000								
COL	0.456	0.118	1.000							
TUR	0.575	-0.438	0.562	1.000						
TS	0.176	-0.296	0.003	0.100	1.000					
TVS	-0.424	-0.134	-0.227	0.170	0.439	1.000				
NH3N	0.191	-0.577	0.160	0.103	0.114	0.161	1.000			
ORGN	0.152	0.050	0.245	-0.263	0.377	0.010	0.304	1.000		
PHL	0.686	-0.162	0.128	0.113	-0.120	-0.328	-0.099	0.428	1.000	
SO4	-0.107	-0.322	-0.005	0.159	0.539	0.350	0.255	0.235	-0.323	1.000
F		-0.932	1.000	-0.018	-0.247	-0.345	0.557		-0.310	-0.408
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	0.123	-0.571	-0.196	0.107	-0.022	0.255	-0.200	0.054	0.156	-0.135

	F	CN	SETR	SUR
F	1.000			
CN	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	0.399	1.000	1.000	1.000

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STU. DEV.
AG	49	0.0120	0.0000	0.0013	0.0000	0.0030
AL	47	0.2730	0.0000	0.0158	0.0020	0.0452
AS	14	0.0060	0.0000	0.0004	0.0000	0.0016
BA	31	0.5000	0.0000	0.0766	0.0176	0.1328
BE	74	0.0512	0.0000	0.0049	0.0001	0.0094
CD	74	0.0670	0.0000	0.0040	0.0001	0.0093
CR	73	0.1400	0.0000	0.0123	0.0007	0.0260
HG	24	0.0600	0.0000	0.0000	0.0000	0.0000
K	74	2.4400	1.3200	1.8785	0.1352	0.3677
NG	52	10.1000	0.0000	7.9515	3.2513	1.8031
NA	74	31.8000	8.7500	16.3855	34.9149	5.9089
NI	66	0.2000	0.0000	0.0013	0.0001	0.0042
PB	55	0.2400	0.0000	0.0022	0.0001	0.0046
SE	21	0.0000	0.0000	0.0000	0.0000	0.0000
SI	31	7.0000	0.0000	1.0000	4.0000	2.0000
V	51	0.3000	0.0000	0.0235	0.0066	0.0815

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HG	K	NG
AG	1.000									
AL	-0.139	1.000								
AS	-0.113	1.000	1.000							
BA	0.033	-0.074	1.000	1.000						
BE	-0.091	-0.041	-0.266	-0.355	1.000					
CD	0.404	0.205	-0.117	0.001	-0.021	1.000				
CR	-0.087	0.138	-0.163	-0.259	0.084	-0.131	1.000			
HG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
K	-0.342	-0.248	-0.161	-0.135	-0.122	-0.163	-0.137	-0.137	1.000	1.000
NG	-0.161	0.221	1.000	-0.291	-0.034	0.156	0.238	1.000	0.292	1.000
NA	0.142	0.095	0.624	0.404	-0.070	-0.028	-0.031	1.000	0.085	0.044
NI	-0.104	0.066	1.000	-0.135	0.027	0.072	0.449	1.000	-0.080	0.058
PB	0.514	-0.167	1.000	-0.140	0.074	-0.064	-0.068	1.000	0.008	-0.144
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	-0.271	-0.140	1.000	0.162	0.003	-0.045	-0.133	1.000	0.469	-0.511
V	-0.097	-0.104	1.000	-0.110	-0.051	0.019	-0.132	1.000	-0.119	0.029

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	-0.120	1.000				
PB	0.136	-0.134	1.000			
SE	1.000	1.000	1.000	1.000		

	NA	NI	PB	SE	SI	V
SI	-0.042	-0.127	0.168	1.000	1.000	
V	0.169	-0.046	0.168	1.000	-0.196	1.000

NMP-7 TO 12, MONTHLY  
ALL DEPTHS - MARCH 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	7.9000	7.8000	7.8375	0.0027	0.0519
T	8	0.0000	0.0000	0.0000	0.0000	0.0000
SPC	8	315.0000	320.0000	328.1250	20.1250	5.1019
COL	8	10.0000	10.0000	10.0000	0.0000	0.0000
TUP	8	4.0000	2.0000	2.7500	0.5000	0.7071
ALX	8	85.0000	70.0000	82.3750	5.6954	2.3867
TP	8	170.0000	127.0000	148.1250	233.6578	15.2825
FDO	8	0.0000	0.0000	0.0000	0.0000	0.0000
TROD	8	1.0000	0.0000	0.6250	0.2578	0.5078

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALX	TP	FDO	TROD
PH	1.000								
T		1.000							
SPC	-0.228		1.000						
COL	1.000		1.000	1.000					
TUP	-0.098		0.619	1.000	1.000				
ALX	-0.246		0.289	1.000	0.571	1.000			
TP	0.264		-0.208	1.000	0.585	0.363	1.000		
FDO							1.000	1.000	
TROD	0.067		-0.293	1.000	-0.683	-0.679	-0.680		1.000

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TCOD	8	14.0000	3.0000	8.1250	10.1250	3.1820
TIOC	8	0.0000	0.0000	0.0000	0.0000	0.0000
TS	8	260.0000	145.0000	203.3750	1293.0821	35.9720
TDS	8	250.0000	135.0000	195.0000	1292.8571	35.9563
TVS	8	80.0000	10.0000	41.2500	833.9286	28.8779
TSS	8	11.0000	1.0000	7.8750	11.8984	3.4200
NP3N	8	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	8	1.0000	0.0000	0.4750	0.0879	0.2964
TKN	8	1.0000	0.0000	0.4750	0.0879	0.2964
NO3N	8	0.0300	0.0200	0.0225	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	TCOD	TIOC	TS	TDS	TVS	TSS	NP3N	ORGN	TKN	NO3N
TCOD	1.000									
TIOC		1.000								
TS	-0.486		1.000							
TDS	-0.481		0.995	1.000						
TVS	-0.412		0.750	0.725	1.000					
TSS	-0.031		-0.384	-0.470	0.289	1.000				
NP3N	1.000		1.000	1.000	1.000	1.000	1.000			
ORGN	0.322		-0.286	-0.281	0.493	-0.151	1.000	1.000		
TKN	0.322		-0.286	-0.281	0.493	-0.151	1.000	1.000	1.000	
NO3N	0.267		-0.015	-0.043	-0.009	0.000	1.000	-0.480	-0.480	1.000

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	8	0.0000	0.0000	0.0000	0.0000	0.0000
TP	8	0.0000	0.0000	0.0000	0.0000	0.0000
PUL	8	0.1700	0.0100	0.0800	0.0000	0.0000
CL	8	70.0000	60.0000	65.0000	13.0000	3.7417
CHL	8	25.0000	20.0000	22.5000	0.8000	0.8944
CHLA	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	OP	TP	PUL	CL	CHL	CHLA
OP	1.000					
TP	-0.861	1.000				
PUL	-0.759	-0.508	1.000			
CL	-0.336	-0.301	-0.407	1.000		
CHL	-0.158	-0.147	-0.275	-0.603	1.000	
CHLA					1.000	

NMP-7 TO 12, MONTHLY  
ALL DEPTHS-MARCH 1973

PARAMETER	NO. OF SAMP	HAY	HTP	MEAN	VARIANCE	STD. DEV.
CH	0	0.0000	0.0000	0.0000		
STTP	0	0.0000	0.0000	0.0000	0.0000	0.0000
F	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	2	4.0000	0.0000	0.0000	0.0000	0.0000
PCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	CH	STTP	F	TCOL	PCOL
CH	1.000				
STTP		1.000			
F			1.000		
TCOL				1.000	
PCOL					1.000

PARAMETER	NO. OF SAMP	HAX	HTP	MEAN	VARIANCE	STD. DEV.
AG	0	0.0000	0.0000	0.0000	0.0000	0.0000
AL	0	0.0000	0.0000	0.0000	0.0000	0.0000
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BE	8	0.0350	0.0000	0.0000	0.0000	0.0000
CD	8	0.0000	0.0000	0.0000	0.0000	0.0122
CP	8	0.0000	0.0000	0.0000	0.0000	0.0000
CU	8	0.0500	0.0100	0.0278	0.0001	0.0117
FE	8	0.3700	0.1700	0.2863	0.0000	0.0579
HC	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CP	CU	FE	HC
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BE					1.000					
CD						1.000				
CP							1.000			
CU								1.000		
FE									1.000	
HC										1.000

PARAMETER	NO. OF SAMP	HAY	HTP	MEAN	VARIANCE	STD. DEV.
K	8	1.4300	1.3200	1.3550	0.0014	0.0378
MG	8	10.1000	8.8000	9.4500	1.0143	1.0071
HP	0	0.0000	0.0000	0.0000	0.0000	0.0000
YA	8	14.8000	11.5000	13.1573	1.3041	1.1420
NT	8	0.1240	0.0000	0.0430	0.0025	0.0507
PD	8	0.1250	0.0000	0.0210	0.0020	0.0449
JP	0	0.0000	0.0000	0.0000	0.0000	0.0000
ST	0	0.0000	0.0000	0.0000	0.0000	0.0000
V	8	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	8	0.0830	0.0000	0.0460	0.0007	0.0256

CORRELATION MATRIX FOLLOWS:

	K	MG	HP	YA	NT	PD	JP	ST	V	ZN
K	1.000									
MG		1.000								
HP			1.000							
YA				1.000						
NT					1.000					
PD						1.000				
JP							1.000			
ST								1.000		
V									1.000	
ZN										1.000

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
APRIL 1973

PARAMETER	NO. OF SAMP	PAX	PIN	MEAN	VARIANCE	STD. DEV.
PH	8	7.7000	5.4000	7.3375	3.3713	0.3321
T	8	44.8000	43.1000	43.9500	2.0457	1.5764
ALK	8	94.8000	77.3000	87.5000	47.7143	6.9076
DOC	8	0.0000	0.0000	0.0000	0.0000	0.0000
TBOD	7	2.0000	2.0000	1.4286	2.6110	0.7818
TCOD	8	12.0000	1.0000	6.3750	9.1250	3.0208
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TDS	8	250.0000	225.0000	238.1250	92.4137	9.6130
TSS	8	5.0000	0.0000	2.5000	1.4286	1.1951
NO3N	8	0.2200	0.0000	0.1000	0.1791	0.3063
TKN	8	1.2000	0.3000	0.8400	0.1194	0.3456
OP	8	0.0000	0.0000	0.0000	0.0000	0.0000
TP	8	0.0200	0.0000	0.0100	0.0000	0.0000
CL	8	33.0000	26.0000	27.8750	5.6373	2.4165
CU	8	0.4100	0.2200	0.3000	0.0042	0.0630
FE	8	1.9200	0.0000	0.4500	0.3948	0.6283
NH	8	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	8	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	8	0.0000	0.0000	0.0000	0.0000	0.0000
PCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	DOC	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.538	1.000								
ALK	-0.045	0.642	1.000							
DOC				1.000						
TBOD	0.333	-0.575	-0.600	-0.319	1.000					
TCOD	-0.503	-0.750	-0.482	1.000	1.000					
TTOC						1.000				
TDS	-0.366	0.406	0.335	-0.171	-0.095	-0.095	1.000			
TSS	0.472	-0.144	-0.257	0.772	-0.145	-0.145	-0.423	1.000		
NO3N	0.041	-0.743	-0.818	0.303	0.123	0.123	-0.225	0.207	1.000	
TKN	0.742	-0.092	-0.483	0.315	0.091	0.091	-0.272	0.169	0.282	1.000
OP	-0.792	-0.129	-0.134	-0.801	0.230	0.230	0.122	-0.556	-0.722	-0.320
TP	0.265	-0.129	-0.387	0.331	-0.265	-0.265	-0.556	0.722	0.320	-0.320
CL	-0.306	0.106	0.347	-0.122	0.301	0.301	0.496	-0.359	-0.383	0.383
CU	0.542	-0.358	-0.550	0.414	-0.178	-0.178	-0.223	0.484	0.440	-0.440
FE	0.547	0.708	0.243	-0.399	-0.245	-0.245	-0.311	0.147	-0.526	0.526
NH										
ZN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
TCOL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
PCOL										

	PH	T	ALK	DOC	TBOD	TCOD	TTOC	TDS	TSS	NO3N
TKN	1.000									
OP	-0.810	1.000								
TP	-0.054		1.000							
CL	-0.183	0.032	-0.442	1.000						
CU	0.587	-0.380	0.370	-0.358	1.000					
FE	0.332	-0.392	-0.017	-0.164	-0.331	1.000				
NH							1.000			
ZN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
TCOL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
PCOL										

CORRELATION MATRIX FOLLOWS:

	SPC	TKN	COL	TUR	TS	TSS	NO3N	ORGN	PHL	SD4
SPC	1.000									
TKN	0.087	1.000								
COL	-0.332	0.334	1.000							
TUR	-0.766	-0.058	0.717	1.000						
TS	0.710	0.358	-0.277	-0.671	1.000					
TSS	0.409	0.358	-0.433	-0.557	0.776	1.000				
NO3N							1.000			
ORGN								1.000		
PHL									1.000	
SD4										1.000
SPC	0.427	-0.455	-0.363	-0.351	0.153	0.258				
TKN	-0.064	0.387	0.408	0.229	0.491	0.377				
COL										
TUR										
TS										
TSS										
NO3N										
ORGN										
PHL										
SD4										

CORRELATION MATRIX FOLLOWS:

	SPC	TKN	COL	TUR	TS	TSS	NO3N	ORGN	PHL	SD4
SPC	1.000									
TKN	0.087	1.000								
COL	-0.332	0.334	1.000							
TUR	-0.766	-0.058	0.717	1.000						
TS	0.710	0.358	-0.277	-0.671	1.000					
TSS	0.409	0.358	-0.433	-0.557	0.776	1.000				
NO3N							1.000			
ORGN								1.000		
PHL									1.000	
SD4										1.000

NMP-7 TO 12, MONTHLY.  
ALL DEPTHS  
APRIL 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	0	0.0000	0.0000	0.0000	0.0000	0.0000
AL	8	0.0000	0.0000	0.0000	0.0000	0.0000
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BE	8	0.0050	0.0000	0.0016	0.0016	0.0013
CD	8	0.0000	0.0000	0.0000	0.0000	0.0000
CR	8	0.0200	0.0000	0.0038	0.0038	0.0019
KG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	1.6300	1.4700	1.5413	0.0016	0.0013
NG	8	6.6700	0.3200	5.3825	8.6403	2.9395
NA	8	19.1400	13.0000	14.5600	4.5893	2.1420
NI	8	0.1000	0.0000	0.0338	0.0010	0.0316
PB	8	0.0000	0.0000	0.0000	0.0016	0.0013
SE	0	0.0000	0.0000	0.0000	0.0000	0.0000
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000
V	8	0.0000	0.0000	0.0375	0.0113	0.1061

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	KG	K	NG
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BE					1.000					
CD						1.000				
CR							1.000			
KG								1.000		
K									1.000	
NG										1.000
NA										
NI										
PB										
SE										
SI										
V										

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	0.200	1.000				
PB	-0.304	-0.108	1.000			
SE				1.000		

	NA	NI	PB	SE	SI	V
SI					1.000	
V	-0.281	0.080	0.357			1.000

# NMP-7 TO 12, MONTHLY

Category 4

ALL DEPTHS

MAY 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	6.0000	7.0000	7.9625	0.2055	0.0764
T	8	14.5000	30.0000	32.5000	1.0000	1.0000
ALK	8	112.0000	50.0000	60.0000	1.0000	1.0000
FDO	4	12.0000	11.0000	11.7000	0.0000	0.0000
TBOD	8	0.0000	0.0000	0.0000	0.0000	0.0000
TCOD	8	16.0000	7.0000	13.1250	0.0000	0.0000
TTOC	8	4.0000	0.0000	1.3750	0.0000	0.0000
TDS	8	330.0000	25.0000	21.7500	0.0000	0.0000
TSS	8	5.0000	0.0000	2.1250	0.0000	0.0000
NO3N	8	0.0000	0.0000	0.0000	0.0000	0.0000
TKN	8	0.0000	0.0000	0.0000	0.0000	0.0000
TP	8	0.0000	0.0000	0.0000	0.0000	0.0000
CL	8	33.0000	25.0000	43.1250	0.0000	0.0000
CU	8	0.0000	0.0000	0.0000	0.0000	0.0000
FE	8	0.0000	0.0000	0.0000	0.0000	0.0000
MN	8	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	8	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	8	0.0000	0.0000	0.0000	0.0000	0.0000
PCOL	8	330.0000	0.0000	84.3750	36410.1679	193.6325

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.476	1.000								
ALK	0.216	0.032	1.000							
FDO	-0.653	-0.948	-0.456	1.000						
TBOD					1.000					
TCOD	0.025	-0.179	0.106	-0.130	0.300	1.000				
TTOC	-0.421	-0.141	-0.391	-0.554	0.310	0.442	1.000			
TDS	0.337	-0.145	0.442	-0.554	0.740	0.284	0.685	1.000		
TSS	0.388	0.095	0.416	-0.500	0.270	0.284	0.685	0.719	1.000	
NO3N	-0.311	-0.257	0.561	-0.457	0.388	0.546	0.719	0.476	-0.190	1.000
TKN	0.223	-0.363	-0.073	0.547	0.180	-0.132	0.148	0.341	0.107	0.346
TP	0.311	0.460	0.567	-0.553	0.399	-0.336	0.341	0.349	0.473	0.400
CL	-0.221	0.057	0.836	-0.278	-0.177	-0.371	-0.004	0.309	0.455	0.400
CU	-0.416	0.016	0.411	-0.536	0.732	0.355	0.192	-0.211	0.234	0.325
FE	-0.185	-0.132	0.146	-0.460	0.553	-0.152	0.343	-0.004	-0.505	-0.305
MN	0.364	-0.975	0.167	-0.483	-0.512	-0.374	-0.343	-0.575	-0.192	-0.192
ZN	0.109	-0.274	0.104	0.210	-0.688	-0.844	-0.225	-0.192	-0.192	-0.192
TCOL	-0.414	-0.898	-0.220	0.914	-0.105	-0.112	-0.225	-0.192	-0.192	-0.192
PCOL	0.255	0.557	-0.012	-0.638	0.305	-0.343	-0.082	-0.307	-0.165	-0.165

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	PCOL
TKN	1.000									
OP	-0.018	1.000								
TP	-0.333	0.440	1.000							
CL	-0.109	0.312	-0.016	1.000						
CU	0.312	0.655	0.145	0.024	1.000					
FE	-0.473	0.269	0.307	-0.210	-0.365	1.000				
MN	-0.039	0.017	0.244	-0.526	0.323	0.195	1.000			
ZN	0.315	-0.440	-0.167	-0.359	0.215	-0.768	0.358	1.000		
TCOL	0.029	0.770	-0.013	-0.022	0.709	0.241	0.088	-0.361	1.000	
PCOL	0.029	0.770	-0.013	-0.022	0.709	0.241	0.088	-0.361	1.000	1.000

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	4	340.0000	270.0000	305.0000	1233.3333	35.1168
TH	0	0.0000	0.0000	0.0000	0.0000	0.0000
COL	0	10.0000	0.0000	3.7500	12.5000	3.5355
TUR	0	6.0000	2.0000	4.5000	1.7143	1.3093
TS	0	335.0000	250.0000	293.7500	719.6429	26.8262
TVS	0	150.0000	80.0000	115.0000	57.5556	23.9698
NH3N	0	0.0000	0.0000	0.0000	0.0000	0.0000
ORCN	0	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	0	0.0000	0.0000	0.0000	0.0000	0.0000
SO4	0	33.0000	27.0000	29.8750	4.9421	2.2221
F	0	0.0000	0.0000	0.0000	0.0000	0.0000
CN	0	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	0	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	0	0.1200	0.1000	0.1080	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORCN	PHL	SO4
SPC	1.000									
TH		1.000								
COL	0.697	0.617	1.000							
TUR	0.948	0.657	0.559	1.000						
TS	0.998	0.011	0.307	0.285	1.000					
TVS	-0.000	1.000	0.000	0.000	0.000	1.000				
NH3N	-0.704	0.012	0.220	0.181	0.746	1.230	1.000			
ORCN	0.674	0.396	0.220	0.254	-0.454	1.150	-0.333	1.000		
PHL	0.991	0.668	0.562	0.677	0.375	1.303	0.162	-0.174	1.000	
SO4										1.000
F	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CN										
SETR										
SUR	0.347	-0.061	0.384	0.533	-0.174	1.070	-0.137	0.204	0.527	0.527

	F	CN	SETR	SUR
F	1.000			
CN		1.000		
SETR			1.000	
SUR				1.000

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
MAY 1973

Category 4

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	8	0.0120	0.0000	0.0015	0.0000	0.0042
AL	8	0.1000	0.0000	0.0225	0.0012	0.0349
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.3500	0.0000	0.1700	0.0191	0.1390
BE	8	0.0080	0.0000	0.0018	0.0000	0.0033
CD	8	0.0230	0.0000	0.0100	0.0001	0.0075
CR	7	0.0000	0.0000	0.0000	0.0000	0.0000
HG	8	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	2.3700	1.9000	2.2063	0.0204	0.1427
MG	8	9.1000	6.6000	7.9375	0.7894	0.8379
NA	8	28.2000	16.2000	23.1250	14.4450	3.8037
NI	8	0.0000	0.0000	0.0225	0.0005	0.0231
PB	8	0.2400	0.0000	0.0400	0.0082	0.0905
SE	0	0.0000	0.0000	0.0000	0.0000	0.0000
SI	8	7.0000	0.0000	2.3750	8.2679	2.8754
V	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HG	K	MG
AG	1.000									
AL	-0.260	1.000								
AS			1.000							
BA	-0.498	0.272		1.000						
BE	-0.215	0.006		-0.321	1.000					
CD	-0.269	-0.360		-0.433	0.123	1.000				
CR	1.000	1.000		1.000	1.000	1.000	1.000			
HG	1.000	1.000		1.000	1.000	1.000	1.000	1.000		
K	-0.442	0.498		-0.064	0.443	-0.005	1.000	1.000	1.000	
MG	0.165	0.208		0.239	-0.300	-0.015	1.000	1.000	-0.175	1.000
NA	0.008	0.542		-0.207	-0.038	0.295	1.000	1.000	0.412	0.544
NI	-0.393	0.327		0.322	-0.141	0.288	1.000	1.000	0.436	0.565
PB	0.865	-0.376		-0.526	-0.311	-0.252	1.000	1.000	-0.251	0.215
SE										
SI	-0.334	-0.466		0.155	0.314	-0.108	1.000	1.000	0.286	-0.367
V										
	NA	NI	PB	SE	SI	V				
NA	1.000									
NI	0.736	1.000								
PB	-0.096	-0.390	1.000							
SE				1.000						
SI					1.000					
V						1.000				
	NA	NI	PB	SE	SI	V				
NA	-0.541	-0.102	0.317		1.000					
NI										
PB										
SE										
SI										
V										



# NMP-7 TO 12, MONTHLY ALL DEPTHS JUNE 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.7000	7.7000	8.4250	0.2744	0.2745
T	8	87.3000	48.4000	64.3167	162.1197	12.7394
ALK	8	105.0000	85.0000	92.3750	35.7143	5.9761
FDC	8	12.2000	10.4000	11.3000	0.2720	0.5215
TBOO	8	0.0000	0.0000	0.0000	0.0000	0.0000
TCOO	8	18.0000	11.0000	13.3750	5.1250	2.2688
TTCC	8	0.0000	0.0000	0.0000	0.0000	0.0000
TDS	8	925.0000	285.0000	161.7500	979.3571	73.7455
TSS	8	33.0000	2.0000	6.6750	318.1250	17.8361
NC3N	8	0.3100	0.1000	0.2133	0.0026	0.0511
TKM	8	1.4000	0.4000	0.7600	0.2874	0.5367
OP	8	0.0000	0.0000	0.0000	0.0000	0.0000
TP	8	0.0000	0.0000	0.0000	0.0000	0.0000
CL	8	49.0000	31.0000	41.0000	37.1429	6.0945
CU	8	0.0000	0.0000	0.0000	0.0000	0.0000
FE	8	0.1000	0.0000	0.0333	0.0018	0.0424
NH	8	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	8	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	8	430.0000	19.0000	169.2500	16421.7143	124.1472
PCOL	8	8.0000	0.0000	1.3750	3.9021	1.9755

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDC	TBOO	TCOO	TTCC	TDS	TSS	NC3N
PH	1.000									
T	-0.311	1.000								
ALK	-0.355	0.030	1.000							
FDC	0.470	0.391	-0.006	1.000						
TBOO					1.000					
TCOO	-0.200	-0.237	0.449	-0.389		1.000				
TTCC							1.000			
TDS	0.320	0.640	0.039	-0.094		-0.064		1.000		
TSS	0.128	-0.205	-0.036	-0.473		0.026		0.030	1.000	
NC3N	-0.690	-0.495	0.721	-0.779		0.563		-0.454	0.451	1.000
TKM	-0.101	-0.173	0.114	-0.364		-0.258		0.114	-0.263	-0.258
OP	0.110	-0.205	-0.034	-0.473		0.025		0.036	1.000	0.444
TP	0.560	-0.377	-0.376	0.134		0.407		-0.157	0.039	-0.076
CL	0.487	-0.474	-0.122	0.214		-0.314		-0.170	-0.027	-0.585
CU	-0.171	0.338	0.815	0.098		-0.915		0.381	-0.434	-0.327
FE	-0.509	-0.077	-0.020	0.153		-0.374		-0.512	-0.347	0.195
NH	-0.764	0.355	0.141	-0.433		0.474		0.036	0.344	0.653
ZN	0.323	-0.153	-0.268	0.051		-0.360		-0.247	-0.018	-0.210
TCOL	0.595	0.098	0.487	0.218		0.109		0.398	-0.361	-0.418
PCOL	0.265	-0.348	0.661	-0.251		0.723		0.029	0.339	-0.065
	PH	T	ALK	FDC	TBOO	TCOO	TTCC	TDS	TSS	NC3N
TKM										
OP										
TP										
CL										
CU										
FE										
NH										
ZN										
TCOL										
PCOL										

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	4	370.0000	243.0000	325.7500	3322.9167	57.6447
TH	8	0.0000	0.0000	0.0000	0.0000	0.0000
COL	8	0.0000	0.0000	0.0000	0.0000	0.0000
TUR	8	0.0000	0.0000	0.0000	0.0000	0.0000
TS	8	930.0000	285.0000	373.1250	3628.1250	73.0208
TVS	8	0.0000	0.0000	0.0000	0.0000	0.0000
NH3N	7	0.0000	0.0000	0.0000	0.0000	0.0000
JRCN	7	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	8	0.0000	0.0000	0.0000	0.0000	0.0000
SO4	8	34.0000	34.0000	37.6250	3.9021	1.9755
F	8	0.0000	0.0000	0.0000	0.0000	0.0000
CH	8	0.0000	0.0000	0.0000	0.0000	0.0000
SETA	8	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.0100	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	JRCN	PHL	SO4
SPC	1.000									
TH		1.000								
COL			1.000							
TUR	0.392			1.000						
TS	-0.019			-0.444	1.000					
TVS						1.000				
NH3N	-0.130			-0.433	-0.216		1.000			
JRCN	-0.053			-0.383	0.379		-0.239	1.000		
PHL									1.000	
SO4	-0.130			-0.272	0.472		0.783			1.000
F	1.000			1.000	1.000		1.000			1.000
CH	1.000			1.000	1.000		1.000			1.000
SETA										
SUR	1.000			-0.246	-0.151		1.000	1.000		-0.932
	SPC	TH	COL	TUR	TS	TVS	NH3N	JRCN	PHL	SO4
F										
CH										
SETA										
SUR										

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
JUNE 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	0	0.0000	0.0000	0.0000	0.0000	0.0000
AL	8	0.0000	0.0000	0.0000	0.0000	0.0000
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BE	8	0.0000	0.0000	0.0000	0.0000	0.0000
CD	8	0.0000	0.0000	0.0000	0.0000	0.0000
CR	8	0.0000	0.0000	0.0000	0.0000	0.0000
MG	8	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	0.0000	0.0000	0.0000	0.0000	0.0000
MG	8	0.0000	0.0000	0.0000	0.0000	0.0000
NA	8	0.0000	0.0000	0.0000	0.0000	0.0000
NI	8	0.0000	0.0000	0.0000	0.0000	0.0000
PB	8	0.0000	0.0000	0.0000	0.0000	0.0000
SE	0	0.0000	0.0000	0.0000	0.0000	0.0000
SI	8	0.0000	0.0000	0.0000	0.0000	0.0000
V	8	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	MG	K	MG
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BE					1.000					
CD						1.000				
CR							1.000			
MG								1.000		
K									1.000	
MG										1.000
NA										
NI										
PB										
SE										
SI										
V										

	NA	NI	PB	SE	SI	V
NA	1.000					
NI		1.000				
PB			1.000			
SE				1.000		

	NA	NI	PB	SE	SI	V
NA	1.000					
NI		1.000				
PB			1.000			
SE				1.000		

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
JULY 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	9.8730	8.2700	9.5250	7.3744	0.2765
T	8	191.4000	43.0000	77.4433	136.3737	11.6750
ALK	8	93.0000	82.0000	96.0000	11.4244	3.3845
FDC	8	6.1000	7.0000	6.5500	0.7710	0.8780
T800	8	3.0000	1.0000	1.7500	0.7437	0.8624
TC00	8	14.0000	4.0000	8.0000	11.7143	3.4208
TT00	8	18.0000	6.0000	10.1250	11.3333	3.3658
TDS	8	280.0000	200.0000	230.7500	407.6429	20.1875
TSS	8	4.0000	1.0000	1.5000	1.1429	1.0677
NO3N	8	0.1000	0.0000	0.0667	0.0033	0.0182
TKN	8	0.1000	0.0000	0.0333	0.0022	0.0471
TP	8	0.0100	0.0000	0.0050	0.0025	0.0500
CL	8	0.1000	0.0000	0.0333	0.0033	0.0577
CU	8	0.1000	0.0000	0.0333	0.0033	0.0577
FE	8	0.0300	0.0000	0.0150	0.0022	0.0471
NN	8	0.3000	0.0000	0.0750	0.0033	0.0577
ZN	8	0.3000	0.0000	0.0750	0.0033	0.0577
TCOL	8	150.0000	5.0000	40.5000	2150.0000	46.3681
FCOL	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDC	T800	TC00	TT00	TDS	TSS	NO3N
PH	1.000									
T	-0.430	1.000								
ALK	0.183	0.246	1.000							
FDC	0.958	-0.374	-0.336	1.000						
T800	-0.087	-0.038	-0.704	0.556	1.000					
TC00	0.042	0.335	0.253	-0.518	-0.479	1.000				
TT00	-0.244	0.690	0.268	0.030	-0.335	-0.055	1.000			
TDS	-0.694	0.937	0.675	-0.666	-0.675	0.177	0.660	1.000		
TSS	-0.677	-0.199	0.182	0.109	-0.302	0.217	-0.739	-0.310	1.000	
NO3N	-0.822	0.549	-0.547	-0.765	0.452	-0.289	0.073	0.361	-0.759	1.000
TKN	-0.424	-0.464	0.226	0.036	-0.389	-0.293	-0.191	-0.493	0.516	-0.258
TP	0.097	-0.195	-0.656	0.129	0.623	-0.361	-0.427	-0.445	0.250	0.250
CL	0.413	-0.367	0.014	0.444	-0.332	-0.422	-0.136	-0.265	0.024	-0.408
CU	-0.238	0.014	-0.265	0.271	0.773	-0.609	-0.422	-0.185	-0.410	0.410
FE	0.962	-0.705	0.090	0.837	-0.155	-0.659	-0.235	-0.747	0.616	-0.718
NN	0.125	0.038	-0.392	0.147	0.269	-0.039	0.251	-0.309	0.044	-0.294
ZN	-0.025	-0.017	0.231	-0.677	-0.447	0.453	-0.076	-0.050	0.367	-0.233
TCOL	-0.639	-0.264	-0.343	0.049	0.518	-0.263	-0.008	0.136	-0.920	0.425
FCOL	-0.418	-0.348	-0.454	0.349	0.348	-0.387	0.451	0.536	-0.389	0.474
	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	PH	T	ALK	FDC	T800	TC00	TT00	TDS	TSS	NO3N

	TKN	OP	TP	CL	CU	FE	NN	ZN	TCOL	FCOL
TKN	1.000									
OP	0.258	1.000								
TP	0.458	-0.384	1.000							
CL	-0.609	0.513	-0.467	1.000						
CU	0.609	0.103	0.467	-0.326	1.000					
FE	0.317	0.304	-0.259	-0.126	0.255	1.000				
NN	0.233	0.233	-0.481	-0.152	-0.151	-0.145	1.000			
ZN	-0.307	0.066	-0.282	0.630	-0.583	0.054	-0.428	1.000		
TCOL	-0.238	-0.144	-0.195	-0.047	-0.355	0.373	-0.360	0.439	1.000	
FCOL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
SFC	4	330.0000	255.0000	335.0000	300.0000	17.3205
TH	0	0.0000	0.0000	0.0000	0.0000	0.0000
COL	0	0.0000	0.0000	0.0000	0.0000	0.0000
TKN	8	0.0000	0.0000	0.0000	0.0000	0.0000
TS	8	240.0000	200.0000	210.7500	669.6429	25.8775
TSS	8	110.0000	75.0000	90.2500	182.5000	12.7475
NO3N	7	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	7	0.0000	0.0000	0.0000	0.0000	0.0000
PH	8	0.0000	0.0000	0.0000	0.0000	0.0000
SD4	8	32.0000	25.0000	28.2500	5.3371	2.3144
P	8	0.0000	0.0000	0.0000	0.0000	0.0000
CH	8	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	8	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	SFC	TH	COL	TKN	TS	TSS	NO3N	ORGN	PH	SD4
SFC	1.000									
TH		1.000								
COL			1.000							
TKN	0.192			1.000						
TS	-0.192			0.806	1.000					
TSS	0.051			0.321	0.655	1.000				
NO3N	1.000			1.000	1.000	1.000	1.000			
ORGN	0.333			-0.300	-0.405	-0.235	1.000	1.000		
PH	0.370			-0.305	-0.405	-0.065	1.000	0.112	1.000	
SD4	0.994			0.132	-0.137	-0.472	1.000	-0.033	0.452	1.000
P	1.000			1.000	1.000	1.000	1.000	1.000	1.000	1.000
CH	1.000			1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000			1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	1.000			1.000	1.000	1.000	1.000	1.000	1.000	1.000

	P	CH	SETR	SUR
P	1.000			
CH	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	1.000	1.000	1.000	1.000

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
JULY 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	8	0.0000	0.0000	0.0000	0.0000	0.0000
AL	8	0.2730	0.0000	0.2564	0.0000	0.0000
AS	8	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.2500	0.0000	0.0413	0.0000	0.0000
BE	8	0.0160	0.0000	0.0043	0.0000	0.0000
CD	8	0.0210	0.0000	0.0000	0.0000	0.0000
CR	8	0.0700	0.0000	0.0325	0.0000	0.0000
HC	8	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	2.3100	2.2200	2.2650	0.0000	0.0000
NG	8	9.7000	9.2200	9.4850	0.0000	0.0000
NA	8	13.9000	12.4000	13.1500	0.0000	0.0000
NI	8	0.0000	0.0000	0.0000	0.0000	0.0000
PB	8	0.0000	0.0000	0.0000	0.0000	0.0000
SE	7	0.0000	0.0000	0.0000	0.0000	0.0000
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000
V	8	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HC	K	NG
AG	1.000									
AL	1.000	1.000								
AS			1.000							
BA	1.000	-0.223		1.000						
BE	1.000	-0.369		-0.256	1.000					
CD	1.000	0.266		-0.096	0.346	1.000				
CR	1.000	-0.266		-0.048	-0.470	-0.439	1.000			
HC								1.000		
K	1.000	-0.261		-0.080	0.134	-0.454	0.463		1.000	
NG	1.000	-0.112		0.162	-0.258	-0.647	0.500		0.178	1.000
NA	1.000	-0.049		0.254	-0.215	0.152	0.349		0.381	-0.423
NI	1.000	-0.142		0.558	-0.400	0.401	0.203		-0.300	-0.333
PB	1.000	-0.245		-0.188	0.580	-0.302	0.124		0.552	0.463
SE	1.000	1.000		1.000	1.000	1.000	1.000		1.000	1.000
SI										
V	1.000	1.000		1.000	1.000	1.000	1.000		1.000	1.000

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	0.597	1.000				
PB	-0.144	-0.658	1.000			
SE	1.000	1.000	1.000	1.000		

	NA	NI	PB	SE	SI	V
SI					1.000	
V	1.000	1.000	1.000	1.000	1.000	1.000

NMP-7 TO 12, MONTHLY - ALL DEPTHS  
AUGUST 1973

Category 4

PARAMETER	NO. OF SAMP	PAB	MIN.	MAX.	VARIANCE	STD. DEV.
PH	7	8.3000	0.0700	0.3000	0.0000	0.0000
T	6	103.0000	70.0000	150.0000	120.0000	11.3772
ALK	7	24.0000	70.0000	90.0000	0.0000	0.0000
PCO	7	11.7000	0.0000	0.0000	0.0000	0.0000
TBOD	7	2.0000	1.0000	1.0000	0.0000	0.0000
TCOD	7	10.0000	1.0000	1.0000	0.0000	0.0000
TTOC	7	0.0000	0.0000	0.0000	0.0000	0.0000
TDS	7	230.0000	150.0000	250.0000	140.0000	11.9024
TSS	7	40.0000	20.0000	60.0000	100.0000	10.0000
NH3N	7	0.0000	0.0000	0.0000	0.0000	0.0000
TKN	7	0.0000	0.0000	0.0000	0.0000	0.0000
OP	7	0.0000	0.0000	0.0000	0.0000	0.0000
TP	7	0.0000	0.0000	0.0000	0.0000	0.0000
CL	7	0.0000	0.0000	0.0000	0.0000	0.0000
CU	7	0.0000	0.0000	0.0000	0.0000	0.0000
FE	7	0.0000	0.0000	0.0000	0.0000	0.0000
MN	7	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	7	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	7	130.0000	10.0000	420.0000	1700.0000	41.7000
PCOL	7	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

PARAMETER	PH	T	ALK	PCO	TBOD	TCOD	TTOC	TDS	TSS	NH3N
PH	1.000									
T	0.590	1.000								
ALK	0.762	0.171	1.000							
PCO	-0.439	0.344	-0.272	1.000						
TBOD	-0.725	1.000	-0.350	0.674	1.000					
TCOD	-0.968	-0.504	-0.945	0.563	1.000	1.000				
TTOC	0.068	-0.775	-0.645	-0.762	-0.702	0.999	1.000			
TDS	0.499	0.890	-0.327	-0.327	-0.370	0.998	0.998	1.000		
TSS	-0.534	-0.443	-0.334	-0.109	0.814	0.618	0.618	0.360	1.000	
NH3N	-0.364	-0.172	-0.211	-0.164	-0.101	0.551	0.565	-0.112	0.953	1.000
TKN	0.201	0.248	-0.438	-0.409	-0.382	0.998	0.998	0.657	-0.351	-0.304
OP	-0.187	0.420	-0.143	0.334	0.258	0.531	-0.435	0.287	-0.424	-0.348
TP	-0.294	-0.312	-0.723	-0.276	-0.160	0.999	0.335	0.157	0.105	0.073
CL	0.335	-0.033	-0.031	-0.674	-0.940	0.551	0.373	0.257	-0.248	-0.192
CU	-0.051	-0.069	-0.341	-0.247	-0.319	0.998	0.329	0.315	-0.144	-0.192
FE	-0.147	-0.192	-0.364	-0.236	-0.116	0.757	0.698	0.323	-0.174	-0.173
MN	-0.474	-0.292	-0.688	-0.012	0.951	0.322	-0.243	0.315	0.230	0.230
ZN										
TCOL	-0.774	-0.238	-0.503	0.516	0.970	0.960	-0.850	-0.313	-0.208	-0.131
PCOL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

PARAMETER	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	PCOL
TKN	1.000									
OP	0.404	1.000								
TP	0.795	0.197	1.000							
CL	0.343	0.534	0.534	1.000						
CU	0.717	0.494	0.641	0.057	1.000					
FE	0.628	0.438	0.732	0.744	0.338	1.000				
MN	0.159	0.592	0.389	0.177	0.488	0.566	1.000			
ZN								1.000		
TCOL	-0.180	0.289	0.578	-0.420	-0.174	0.048	0.041	0.000	1.000	
PCOL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

PARAMETER	NO. OF SAMP	PAB	MIN.	MAX.	VARIANCE	STD. DEV.
SPC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TH	0	0.0000	0.0000	0.0000	0.0000	0.0000
COL	0	0.0000	0.0000	0.0000	0.0000	0.0000
TUR	7	10.0000	0.0000	0.0000	0.0000	0.0000
TS	7	240.0000	200.0000	217.1429	193.4782	13.8613
TSS	7	45.0000	70.0000	83.5714	83.9524	8.9974
NH3N	6	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	7	0.0000	0.0000	0.0000	0.0000	0.0000
SD4	7	37.0000	28.0000	31.1429	11.1429	3.3381
PH	7	0.0000	0.0000	0.0000	0.0000	0.0000
CH	7	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	7	0.0000	0.0000	0.0000	0.0000	0.0000
SUM	7	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

PARAMETER	SPC	TH	COL	TUR	TS	TSS	NH3N	ORGN	PHL	SD4
SPC	1.000									
TH		1.000								
COL			1.000							
TUR			1.000	1.000						
TS			1.000	0.848	1.000					
TSS			1.000	0.826	0.237	1.000				
NH3N			1.000	-0.333	-0.598	0.185	1.000			
ORGN								1.000		
PHL									1.000	
SD4										1.000
CH										1.000
SETR										1.000
SUM										1.000

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
AUGUST 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	7	0.0000	0.0000	0.0000	0.0000	0.0000
AL	7	0.0000	0.0000	0.0000	0.0000	0.0000
AS	7	0.0000	0.0000	0.0000	0.0000	0.0000
BA	7	0.0000	0.0000	0.0000	0.0000	0.0000
BE	7	0.0000	0.0000	0.0000	0.0000	0.0000
CD	7	0.0000	0.0000	0.0000	0.0000	0.0000
CR	7	0.0000	0.0000	0.0000	0.0000	0.0000
HC	7	0.0000	0.0000	0.0000	0.0000	0.0000
K	7	0.0000	0.0000	0.0000	0.0000	0.0000
MG	7	0.0000	0.0000	0.0000	0.0000	0.0000
NA	7	0.0000	0.0000	0.0000	0.0000	0.0000
NI	7	0.0000	0.0000	0.0000	0.0000	0.0000
PB	7	0.0000	0.0000	0.0000	0.0000	0.0000
SE	7	0.0000	0.0000	0.0000	0.0000	0.0000
SI	7	0.0000	0.0000	0.0000	0.0000	0.0000
V	7	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HC	K	MG
AG	1.000									
AL	1.000	1.000								
AS			1.000							
BA	0.596	1.000		1.000						
BE	-0.331	1.000		-0.167	1.000					
CD	0.247	1.000		-0.697	-0.258	1.000				
CR	-0.132	1.000		-0.222	-0.222	-0.343	1.000			
HC								1.000		
K	0.122	1.000		-0.367	0.061	0.056	-0.490		1.000	
MG										1.000
NA	-0.318	1.000		-0.172	-0.257	-0.057	-0.420		-0.147	
NI	-0.388	1.000		-0.418	0.279	-0.647	-0.139		0.077	
PB	1.000	1.000		1.000	1.000	1.000	1.000		1.000	
SE										
SI	0.364	1.000		-0.258	-0.258	-0.399	-0.043		0.393	
V	-0.331	1.000		-0.167	1.000	-0.258	-0.222		0.061	
	NA	NI	PB	SE	SI	V				
NA	1.000									
NI	0.041	1.000								
PB	1.000	1.000	1.000							
SE				1.000						
	NA	NI	PB	SE	SI	V				
SI	-0.310	0.216	1.000		1.000					
V	-0.057	0.279	1.000		-0.258	1.000				

## NMP-7 TO 12, MONTHLY

Category 4

## ALL DEPTHS

SEPTEMBER 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.1000	7.4000	8.0100	0.3114	0.1764
T	8	85.0000	44.0000	66.0000	17.0000	11.4018
ALK	8	83.0000	81.0000	82.0000	11.0000	3.3166
FDC	8	9.0000	7.0000	8.0000	0.1000	0.3162
TBOD	8	27.0000	18.0000	23.0000	7.0000	2.6458
TCOD	8	10.0000	4.0000	6.0000	0.1000	0.3162
TTOC	8	220.0000	200.0000	210.0000	41.0000	6.4031
TDS	8	220.0000	200.0000	210.0000	41.0000	6.4031
TSS	8	220.0000	200.0000	210.0000	41.0000	6.4031
NO3N	8	0.3000	0.1000	0.2000	0.0000	0.0000
TKN	8	0.3000	0.1000	0.2000	0.0000	0.0000
OP	8	0.3000	0.1000	0.2000	0.0000	0.0000
TP	8	0.3000	0.1000	0.2000	0.0000	0.0000
CL	8	0.3000	0.1000	0.2000	0.0000	0.0000
CU	8	0.3000	0.1000	0.2000	0.0000	0.0000
FE	8	0.3000	0.1000	0.2000	0.0000	0.0000
ZN	8	0.3000	0.1000	0.2000	0.0000	0.0000
TCOL	8	240.0000	140.0000	190.0000	50.0000	7.0711
PCOL	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

PARAMETER	PH	T	ALK	FDC	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.161	1.000								
ALK	-0.830	-0.385	1.000							
FDC	0.058	0.422	0.000	1.000						
TBOD	-0.866	-0.352	0.822	-0.325	1.000					
TCOD	-0.085	-0.040	0.368	0.602	-0.373	1.000				
TTOC		-0.269	0.343	-0.525	0.342	-0.170	1.000			
TDS	0.219	-0.265	0.555	0.114	-0.361	0.591	-0.123	1.000		
TSS	-0.289	0.422	0.137	0.409	-0.171	-0.418	-0.120	0.000	1.000	
NO3N	-0.048	-0.457	0.905	0.352	0.659	0.508	0.182	0.183	0.239	1.000
TKN	-0.048	-0.457	0.905	0.352	0.659	0.508	0.182	0.183	0.239	0.344
OP	-0.268	0.615	0.455	0.591	0.115	0.509	0.128	0.182	0.193	0.413
TP	0.349	0.375	-0.358	0.623	-0.192	-0.737	0.214	-0.541	-0.601	-0.283
CL	0.407	0.326	-0.605	-0.341	-0.517	-0.676	-0.544	-0.017	0.329	-0.707
CU	0.135	0.841	-0.192	0.615	-0.214	0.367	-0.269	-0.103	-0.130	-0.147
FE	-0.267	-0.242	0.120	-0.355	0.442	-0.082	-0.185	-0.227	-0.154	0.040
ZN	0.256	-0.043	-0.060	-0.060	-0.042	0.009	0.457	-0.137	-0.444	0.175
TCOL	-0.130	0.461	-0.153	0.859	-0.399	0.130	-0.376	-0.087	0.568	0.060
PCOL	-0.643	-0.494	0.815	-0.261	-0.738	0.429	-0.242	0.275	-0.133	0.675
	0.167	0.239	0.040	0.127	-0.435	0.499	0.028	0.765	0.349	-0.034
PARAMETER	PH	T	ALK	FDC	TBOD	TCOD	TTOC	TDS	TSS	NO3N
TKN	1.000									
OP	-0.291	1.000								
TP	-0.473	-0.174	1.000							
CL	-0.004	-0.365	-0.114	1.000						
CU	-0.453	0.647	0.212	-0.274	1.000					
FE	-0.052	-0.076	-0.234	-0.443	0.275	1.000				
ZN	0.052	-0.367	-0.254	-0.125	-0.483	-0.473	1.000			
TCOL	0.254	0.466	0.076	0.173	0.357	-0.515	-0.062	1.000		
PCOL	-0.054	0.308	-0.443	-0.091	-0.252	0.533	-0.218	-0.559	1.000	
	-0.140	0.398	-0.273	0.225	0.386	-0.505	-0.141	0.122	0.335	1.000
PARAMETER	PH	T	ALK	FDC	TBOD	TCOD	TTOC	TDS	TSS	NO3N
TKN	1.000									
OP	-0.291	1.000								
TP	-0.473	-0.174	1.000							
CL	-0.004	-0.365	-0.114	1.000						
CU	-0.453	0.647	0.212	-0.274	1.000					
FE	-0.052	-0.076	-0.234	-0.443	0.275	1.000				
ZN	0.052	-0.367	-0.254	-0.125	-0.483	-0.473	1.000			
TCOL	0.254	0.466	0.076	0.173	0.357	-0.515	-0.062	1.000		
PCOL	-0.054	0.308	-0.443	-0.091	-0.252	0.533	-0.218	-0.559	1.000	
	-0.140	0.398	-0.273	0.225	0.386	-0.505	-0.141	0.122	0.335	1.000

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	8	270.0000	240.0000	255.2500	20.2500	14.3614
TH	8	142.0000	147.0000	155.3750	29.5625	5.4376
COL	8	5.0000	5.0000	5.0000	0.0000	0.0000
TUR	8	2.0000	1.0000	1.2500	0.2143	0.4629
TS	8	220.0000	200.0000	210.0000	41.0000	6.4031
TVS	8	80.0000	50.0000	65.0000	10.0000	3.1623
NH3N	8	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	8	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	8	0.0000	0.0000	0.0000	0.0000	0.0000
SO4	8	37.0000	25.0000	30.0000	15.0000	3.8714
P	8	0.0000	0.0000	0.0000	0.0000	0.0000
CN	8	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	8	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

PARAMETER	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-0.830	1.000								
COL	1.000	-0.043	1.000							
TUR	1.000	-0.043	1.000	1.000						
TS	-0.853	0.475	1.000	-0.120	1.000					
TVS	-0.302	0.231	1.000	-0.251	0.583	1.000				
NH3N	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
ORGN	-0.870	0.424	1.000	-0.333	0.374	0.824	1.000	1.000		
PHL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
SO4	-0.881	0.404	1.000	-0.476	0.544	0.545	1.000	1.000	1.000	1.000
P	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	0.360	-0.174	1.000	-0.443	0.221	0.519	1.000	0.433	1.000	0.422
PARAMETER	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-0.830	1.000								
COL	1.000	-0.043	1.000							
TUR	1.000	-0.043	1.000	1.000						
TS	-0.853	0.475	1.000	-0.120	1.000					
TVS	-0.302	0.231	1.000	-0.251	0.583	1.000				
NH3N	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
ORGN	-0.870	0.424	1.000	-0.333	0.374	0.824	1.000	1.000		
PHL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
SO4	-0.881	0.404	1.000	-0.476	0.544	0.545	1.000	1.000	1.000	1.000
P	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	0.360	-0.174	1.000	-0.443	0.221	0.519	1.000	0.433	1.000	0.422

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
SEPTEMBER 1973

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	8	0.0120	0.0000	0.0023	0.0000	0.0042
AL	0	0.0000	0.0000	0.0000	0.0000	0.0000
AS	8	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.0000	0.0000	0.0000	0.0000	0.0000
BE	8	0.0220	0.0000	0.0134	0.0000	0.0063
CD	8	0.0070	0.0000	0.0109	0.0000	0.0237
CR	8	0.1000	0.0000	0.0463	0.0000	0.0548
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	1.0000	1.7700	1.8268	0.0012	0.0348
MG	0	0.0000	0.0000	0.0000	0.0000	0.0000
NA	8	12.0000	19.0000	11.1263	0.0000	0.0274
NI	8	0.0000	0.0000	0.0000	0.0000	0.0000
PB	0	0.0000	0.0000	0.0000	0.0000	0.0000
SE	4	0.0000	0.0000	0.0000	0.0000	0.0000
SI	8	0.0000	0.0000	1.2500	0.0000	2.1876
V	0	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HG	K	MG
AG	1.000									
AL		1.000								
AS	1.000		1.000							
BA	1.000		1.000	1.000						
BE	-0.432		1.000	1.000	1.000					
CD	0.965		1.000	1.000	-0.328	1.000				
CR	-0.465		1.000	1.000	0.009	-0.376	1.000			
HG								1.000		
K	-0.539		1.000	1.000	0.186	-0.363	0.477		1.000	
MG										1.000
NA	-0.068		1.000	1.000	0.802	0.115	0.178		0.184	
NI	-0.118		1.000	1.000	-0.214	-0.007	0.569		0.135	
PB										
SE	1.000		1.000	1.000	1.000	1.000	1.000		1.000	
SI	-0.306		1.000	1.000	0.337	-0.299	-0.408		0.192	
V										

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	0.131	1.000				
PB			1.000			
SE	1.000	1.000		1.000		

	NA	NI	PB	SE	SI	V
SI	-0.111	-0.398		1.000	1.000	
V						1.000



NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
OCTOBER 1973

Category 4

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.7000	7.4000	8.1375	7.3277	2.7054
T	8	78.3000	47.0000	57.5312	49.5597	7.0394
ALK	8	90.0000	80.0000	87.7500	5.6429	2.3754
FO2	8	10.2000	8.0000	9.7500	0.3577	0.5981
TSD	8	3.0000	1.0000	1.8250	2.5576	1.5990
TCD	8	30.0000	0.0000	18.0750	87.4454	9.3516
TTC	7	7.0000	4.0000	5.5000	1.3733	1.1719
TOS	8	210.0000	175.0000	192.7500	143.3246	11.9720
TSS	8	20.0000	1.0000	10.8750	73.9373	8.5990
NO3N	8	0.1000	0.0000	0.0250	2.0743	1.4396
TKN	8	1.4000	0.0000	0.4250	7.0732	2.6770
TP	8	0.0000	0.0000	0.0000	0.0000	0.0000
CL	8	0.0000	0.0000	0.0000	0.0000	0.0000
CU	7	0.0000	0.0000	0.0000	0.0000	0.0000
FE	8	0.0000	0.0000	0.0000	0.0000	0.0000
MN	7	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	7	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	8	134.0000	19.0000	71.2500	1855.3571	43.1747
FCOL	8	21.0000	0.0000	5.5000	57.8571	7.6114

CORRELATION MATRIX FOLLOWS:

PARAMETER	PH	T	ALK	FO2	TSD	TCD	TTC	TOS	TSS	NO3N
PH	1.0000									
T	0.468	1.0000								
ALK	0.733	0.040	1.0000							
FO2	-0.356	0.246	-0.465	1.0000						
TSD	0.271	-0.182	0.528	-0.300	1.0000					
TCD	0.779	0.721	0.573	-0.626	0.392	1.0000				
TTC	-0.382	-0.234	-0.678	0.454	-0.321	0.500	1.0000			
TOS	-0.673	0.034	-0.400	0.837	0.014	-0.293	0.261	1.0000		
TSS	0.567	0.035	0.224	-0.833	-0.165	0.144	-0.227	-0.958	1.0000	
NO3N	-0.864	-0.262	-0.587	0.448	-0.303	-0.594	0.371	0.479	-0.830	1.0000
TKN	0.015	-0.563	0.354	0.274	0.821	-0.197	-0.027	-0.308	-0.313	-0.215
TP	-0.411	0.034	-0.785	0.076	-0.604	-0.427	0.642	0.331	-0.217	0.567
CL	0.056	0.961	-0.038	0.105	-0.252	0.491	-0.429	0.144	-0.101	0.232
CU	-0.403	0.047	-0.673	0.187	-0.175	-0.200	0.439	0.142	-0.046	0.577
FE	0.180	-0.067	-0.278	0.722	0.072	-0.132	0.263	-0.071	0.577	0.523
MN	-0.241	0.017	0.029	-0.717	-0.412	-0.374	-0.627	-0.321	-0.253	0.178
ZN	-0.380	-0.323	0.111	0.464	0.523	0.014	-0.367	0.362	-0.427	0.223
TCOL	0.609	0.708	0.318	0.578	0.150	0.432	-0.050	-0.014	0.084	-0.371
FCOL	0.454	0.468	0.361	0.146	0.614	0.852	-0.028	-0.098	-0.076	-0.382
	-0.572	-0.365	-0.733	-0.003	-0.431	-0.661	0.676	0.022	0.131	0.305

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	8	0.0000	0.0000	0.0000	0.0000	0.0000
TM	8	134.0000	131.0000	134.1667	6.5667	2.5626
COL	8	0.0000	0.0000	0.0000	0.0000	0.0000
TUN	8	0.0000	0.0000	0.0000	0.0000	0.0000
TS	8	220.0000	209.0000	214.5000	3.9821	1.9955
TVS	8	155.0000	99.0000	78.2500	41.0714	6.4087
NO3N	8	0.0000	0.0000	0.0000	1293.2143	35.9393
ORCH	8	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	8	0.0000	0.0000	0.0000	0.0000	0.0000
SO4	8	0.0000	0.0000	0.0000	0.0000	0.0000
CH	8	0.0000	0.0000	0.0000	0.0000	0.0000
SETA	8	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

PARAMETER	SPC	TM	COL	TUN	TS	TVS	NO3N	ORCH	PHL	SO4
SPC	1.0000									
TM	0.000	1.0000								
COL	0.000	0.000	1.0000							
TUN	0.000	0.000	0.000	1.0000						
TS	-0.056	0.000	0.000	-0.154	1.0000					
TVS	0.479	0.000	0.000	0.159	-0.363	1.0000				
NO3N	0.733	0.000	0.000	0.325	-0.632	0.988	1.0000			
ORCH	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.0000		
PHL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.0000	
SO4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.0000
CH	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SETA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
OCTOBER 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	7	0.0000	0.0000	0.0000	0.0000	0.0000
AL	0	0.0000	0.0000	0.0000	0.0000	0.0000
AS	2	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BE	7	0.0110	0.0000	0.0036	0.0000	0.0000
CD	7	0.0040	0.0000	0.0006	0.0000	0.0000
CR	7	0.0400	0.0000	0.0057	0.0000	0.0000
HC	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	7	2.3300	2.1400	2.2343	0.0000	0.0000
NG	0	0.0000	0.0000	0.0000	0.0000	0.0000
NA	7	22.3000	19.8000	20.4714	0.0000	0.0000
NI	0	0.0000	0.0000	0.0000	0.0000	0.0000
PB	0	0.0000	0.0000	0.0000	0.0000	0.0000
SE	2	0.0000	0.0000	0.0000	0.0000	0.0000
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000
V	0	0.0000	0.0000	0.0000	0.0000	0.0000

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HC	K	NG
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BE					1.000					
CD						1.000				
CR							1.000			
HC								1.000		
K									1.000	
NG										1.000
NA										
NI										
PB										
SE										
SI										
V										

	NA	NI	PB	SE	SI	V
NA	1.000					
NI		1.000				
PB			1.000			
SE				1.000		

	NA	NI	PB	SE	SI	V
SI					1.000	
V						1.000

- NMP-7 TO 12, MONTHLY - ALL DEPTHS - NOVEMBER 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.2000	6.6000	6.7875	1.3777	0.5722
T	8	45.1775	44.1775	44.6750	0.1191	0.3450
ALK	8	120.0000	73.0000	96.5000	197.0621	14.0776
FOC	8	11.0000	1.0000	1.0000	7.0000	0.8470
TBOO	8	1.0000	2.0000	2.0000	3.0000	0.5475
TCOD	8	15.0000	0.0000	11.0000	10.0000	10.1128
TTOC	8	0.0000	0.0000	0.0000	0.0000	0.0000
TDS	8	240.0000	223.0000	230.2500	1.0000	1.0000
TSS	8	1.0000	0.0000	0.0000	0.0000	0.0000
NO3N	8	0.0000	0.0000	0.0000	0.0000	0.0000
TKN	8	0.0000	0.0000	0.0000	0.0000	0.0000
OP	8	0.0000	0.0000	0.0000	0.0000	0.0000
TP	8	0.0000	0.0000	0.0000	0.0000	0.0000
CL	8	33.0000	32.0000	32.5000	0.0000	0.0000
CU	8	0.0000	0.0000	0.0000	0.0000	0.0000
FE	8	0.0000	0.0000	0.0000	0.0000	0.0000
MN	8	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	8	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	8	12.0000	10.0000	11.0000	1.0000	1.0000
PCOL	8	10.0000	0.0000	0.0000	0.0000	0.0000

Category 4

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FOC	TBOO	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	-0.257	1.000								
ALK	-0.038	-0.343	1.000							
FOC	-0.469	0.709	-0.468	1.000						
TBOO	-0.496	0.337	0.482	0.256	1.000					
TCOD	-0.461	-0.560	0.365	-0.193	-0.324	1.000				
TTOC						1.000				
TDS	-0.396	0.025	0.138	0.647	0.725	0.320	1.000			
TSS	-0.246	0.778	-0.745	0.814	-0.359	-0.133	-0.124	1.000		
NO3N	-0.084	0.934	-0.483	0.598	-0.725	-0.591	0.104	0.629	1.000	
TKN	-0.752	0.070	-0.465	0.750	0.399	-0.640	0.462	0.279	0.716	1.000
OP	-0.781	-0.225	-0.104	0.282	-0.253	0.492	0.454	0.119	0.150	0.600
TP	-0.397	-0.766	-0.138	-0.575	-0.129	0.456	-0.047	-0.178	-0.600	0.340
CL	-0.938	0.355	0.011	0.499	-0.405	0.305	0.466	0.314	0.340	0.323
CU	-0.071	0.594	0.156	0.192	0.450	-0.312	0.302	0.158	0.323	0.725
FE	-0.084	0.725	-0.766	0.880	-0.133	-0.434	0.169	0.924	0.725	0.644
MN	-0.162	0.710	-0.828	0.749	-0.389	-0.426	0.143	0.823	0.644	0.410
ZN	-0.226	0.867	-0.110	0.788	0.421	-0.257	-0.318	0.501	0.374	0.374
TCOL	-0.067	0.800	0.020	0.723	0.588	-0.329	0.322	0.361	0.374	0.374
PCOL	0.780	-0.187	-0.428	-0.470	0.162	-0.330	-0.566	0.596	-0.046	-0.046

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	PCOL
TKN	1.000									
OP	0.273	1.000								
TP	-0.464	0.250	1.000							
CL	0.227	0.378	-0.567	1.000						
CU	0.185	0.308	-0.254	0.194	1.000					
FE	0.729	0.244	-0.244	0.190	0.143	1.000				
MN	0.758	0.352	-0.332	0.342	0.155	0.905	1.000			
ZN	0.310	-0.224	-0.320	0.274	0.422	0.557	0.246	1.000		
TCOL	0.344	-0.242	-0.328	0.673	0.405	0.493	0.193	0.971	1.000	
PCOL	-0.148	-0.242	0.603	-0.835	-0.564	0.089	0.038	-0.172	-0.157	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	4	240.0000	235.0000	237.5000	8.3333	2.8868
TH	8	0.0000	0.0000	0.0000	0.0000	0.0000
COL	8	0.0000	0.0000	0.0000	0.0000	0.0000
TUR	8	0.0000	0.0000	0.0000	0.0000	0.0000
YS	8	240.0000	230.0000	235.0000	199.2143	14.0789
TVS	8	95.0000	65.0000	80.0000	117.2679	10.5039
NH3N	8	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	8	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	8	0.0000	0.0000	0.0000	0.0000	0.0000
SO4	8	27.0000	23.0000	24.7500	1.9286	1.3887
CH	8	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	8	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	YS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	1.000	1.000								
COL	1.000	1.000	1.000							
TUR	1.000	1.000	1.000	1.000						
YS	-0.302		1.000	1.000	1.000					
TVS	0.377		1.000	1.000	-0.465	1.000				
NH3N	1.000		1.000	1.000	1.000	1.000	1.000			
ORGN							1.000	1.000		
PHL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
SO4	-0.949		1.000	1.000	0.164	0.355	1.000	1.000	1.000	1.000
CH										
SETR	1.000	1.000	1.000	1.000	-0.070	0.000	1.000	1.000	1.000	1.000
SUR	-0.707		1.000	1.000			1.000	1.000	1.000	1.000

	CH	SETR	SUR
CH	1.000		
SETR	1.000	1.000	
SUR	1.000	1.000	1.000

NMP-7 TO 12, MONTHLY  
ALL DEPTHS  
NOVEMBER 1973

Category 4

PARAMETER	NO. OF SAMP	PAX	PIN	MEAN	VARIANCE	STD. DEV.
AG	8	0.0000	0.0000	0.0000	0.0000	0.0000
AL	8	0.0000	0.0000	0.0000	0.0000	0.0000
AS	4	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BE	8	0.0000	0.0000	0.0000	0.0000	0.0000
CD	8	0.0120	0.0000	0.0000	0.0000	0.0000
CR	8	0.0000	0.0000	0.0000	0.0000	0.0000
MG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	2.4600	2.1600	2.3175	0.0102	0.1010
NA	8	8.2200	8.0000	8.1375	0.0074	0.0862
NI	8	5.4500	5.7500	5.6000	0.0043	0.0207
PB	8	0.0500	0.0000	0.0125	0.0000	0.0000
SE	8	0.0700	0.0000	0.0175	0.0000	0.0000
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000
V	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	MG	K	NA
AG	1.000									
AL	1.000	1.000								
AS	1.000	1.000	1.000							
BA				1.000						
BE	1.000	1.000	1.000		1.000					
CD	1.000	1.000	1.000		1.000	1.000				
CR	1.000	1.000	1.000		1.000	1.000	1.000			
MG								1.000		
K	1.000	1.000	1.000		1.000	-0.277	1.000		1.000	
NA	1.000	1.000	1.000		1.000	-0.237	1.000		0.345	1.000
NI	1.000	1.000	1.000		1.000	-0.552	1.000		0.792	0.119
PB	1.000	1.000	1.000		1.000	0.164	1.000		0.290	0.234
SE	1.000	1.000	1.000		1.000	0.057	1.000		-0.015	-0.117
SI	1.000	1.000	1.000		1.000	1.000	1.000		1.000	1.000
V	1.000	1.000	1.000		1.000	1.000	1.000		1.000	1.000

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	0.342	1.000				
PB	0.265	0.788	1.000			
SE	1.000	1.000	1.000	1.000		

	NA	NI	PB	SE	SI	V
SI	1.000	1.000	1.000	1.000	1.000	
V	1.000	1.000	1.000	1.000	1.000	1.000

NMP-7 TO 12, MONTHLY - ALL DEPTHS  
DECEMBER 1973

Category 4

PARAMETER	NO. IN SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	4	7.4000	7.4000	7.4000	0.0000	0.0000
T	4	44.2000	41.7000	44.0000	2.0000	1.4142
ALK	4	92.0000	87.0000	89.5000	4.0000	2.0000
FDO	4	12.8000	12.6000	12.7000	0.0000	0.0000
TBND	4	4.0000	2.0000	2.7500	1.0000	1.0000
TCDO	4	4.0000	2.0000	2.7500	1.0000	1.0000
TTDC	4	4.0000	2.0000	2.7500	1.0000	1.0000
TDS	4	240.0000	237.0000	237.5000	9.0000	3.0000
TSS	4	10.0000	1.0000	4.0000	10.0000	3.1623
NO3N	4	0.4100	0.3000	0.3500	0.0000	0.0000
TKN	4	0.0000	0.0000	0.0000	0.0000	0.0000
OP	4	0.0000	0.0000	0.0000	0.0000	0.0000
TP	4	0.0000	0.0000	0.0000	0.0000	0.0000
CL	4	42.0000	42.0000	42.0000	0.0000	0.0000
CU	4	0.1000	0.0000	0.0500	0.0000	0.0000
FE	4	1.3000	0.1000	0.5000	0.0000	0.0000
MN	4	0.1000	0.0000	0.0500	0.0000	0.0000
ZN	4	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	4	11.0000	2.0000	2.0000	17.0000	4.1231
PCOL	4	0.0000	0.0000	0.0000	10.0000	3.1623

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBND	TCDO	TTDC	TDS	TSS	NO3N
PH	1.000									
T	0.977	1.000								
ALK	0.977	-1.000	1.000							
FDO	1.000	-1.000	1.000	1.000						
TBND	0.322	-1.000	0.310	1.000	1.000					
TCDO	1.000	1.000	0.582	1.000	0.520	1.000				
TTDC							1.000			
TDS	-0.870	-1.000	-0.746	-1.000	-0.455	-0.466		1.000		
TSS	-0.980	-1.000	-0.957	-1.000	-0.682	-0.693		0.853	1.000	
NO3N	-0.577	1.000	-0.651	1.000	0.372	-1.000		0.302	0.424	1.000
TKN										
OP	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	1.000
TP	0.174	0.275	0.275	-0.636	1.000	1.000		0.391	0.405	0.405
CL	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	1.000
CU	0.662	1.000	0.662	0.662	0.662	0.662		-0.945	-0.649	-0.676
FE	-0.912	1.000	-0.912	1.000	-0.912	-0.912		0.702	0.820	0.861
MN	0.081	1.000	-0.115	-1.000	-0.296	0.036		-0.521	-0.459	0.047
ZN	0.519	1.000	0.325	-1.000	0.232	0.427		-0.872	-0.175	0.016
TCOL	0.356	1.000	0.277	-1.000	-0.553	0.391		-0.475	-0.175	-0.686
PCOL	0.163	1.000	0.674	-1.000	-0.682	0.397		-0.341	0.020	-0.368

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	PCOL
TKN	1.000									
OP	1.000	1.000								
TP	1.000	1.000	1.000							
CL	1.000	-0.254	1.000	1.000						
CU	1.000	-0.362	1.000	1.000	1.000					
FE	1.000	-0.659	1.000	1.000	0.739	1.000				
MN	1.000	-0.291	1.000	0.963	-0.332	0.841	1.000			
ZN	1.000	0.642	1.000	0.458	-0.582	0.680	0.310	1.000		
TCOL	1.000	0.597	1.000	0.411	-0.423	0.739	0.471	0.978	1.000	
PCOL										

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TKN	0	0.0000	0.0000	0.0000	0.0000	0.0000
COL	4	45.0000	3.0000	15.0000	40.0000	20.0000
TUR	4	14.0000	2.0000	4.0000	44.0000	6.6332
TS	4	260.0000	230.0000	240.0000	260.0000	14.1421
TSS	4	75.0000	50.0000	63.7500	172.0000	13.1498
MN3N	4	0.1000	0.0000	0.0250	0.0000	0.0000
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	4	0.0000	0.0000	0.0000	0.0000	0.0000
SO4	4	32.0000	2.0000	2.0000	1.0000	1.7321
P	0	0.0000	0.0000	0.0000	0.0000	0.0000
CH	0	0.0000	0.0000	0.0000	0.0000	0.0000
SPTR	4	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	4	0.1000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	SPC	TKN	COL	TUR	TS	TSS	MN3N	ORGN	PHL	SO4
SPC	1.000									
TKN	1.000	1.000								
COL			1.000							
TUR			0.943	1.000						
TS			0.370	0.917	1.000					
TSS			1.000	0.959	0.354	1.000				
MN3N					0.403	0.573	1.000			
ORGN								1.000		
PHL			-0.333	-0.359	-0.697	-0.333		1.000		
SO4			0.462	0.450	0.451	0.329	0.962	-0.192	1.000	
P										
CH										
SPTR			1.000	1.000	1.000	1.000		1.000	1.000	
SUR			-0.658	-0.663	-0.310	-0.610	-0.678	0.948	-0.664	

NHP-7 TO 12, MONTHLY  
ALL DEPTHS  
DECEMBER 1973

CATEGORY 4

PARAMETER	NO. OF SAMP	PAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	3	0.0080	0.0020	0.0043	0.0000	0.0032
AL	0	0.0000	0.0000	0.0000	0.0000	0.0000
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BE	4	0.0000	0.0000	0.0000	0.0000	0.0000
CD	4	0.0000	0.0000	0.0000	0.0000	0.0000
CR	4	0.0500	0.0200	0.0325	0.0072	0.0150
HG	4	0.0000	0.0000	0.0000	0.0000	0.0000
K	4	2.3400	1.7200	1.9175	0.0888	0.2894
MG	4	8.0000	7.8000	7.6750	0.0092	0.0957
NA	4	31.4000	27.9000	29.7750	2.5225	1.5882
NI	3	0.0400	0.0100	0.0233	0.0072	0.0153
PB	0	0.0000	0.0000	0.0000	0.0000	0.0000
SE	4	0.0000	0.0000	0.0000	0.0000	0.0000
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000
V	4	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HG	K	MG
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BE					1.000					
CD						1.000				
CR							1.000			
HG								1.000		
K									1.000	
MG										1.000
NA										
NI										
PB										
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NMP-7 TO 8, MONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	18	8.8000	6.7000	8.3444	0.3391	0.5823
T	16	81.0000	41.5000	59.7625	175.2812	13.2394
ALK	18	112.0000	80.0000	89.3333	76.0000	8.7178
FDO	14	12.2000	7.6000	9.6214	2.2849	1.5116
TBOO	13	3.0000	1.0000	1.5923	0.5641	0.7511
TCOD	18	30.0000	3.0000	10.5556	51.2026	7.1556
TTOC	10	10.0000	1.0000	5.7000	11.3444	3.3682
TDS	18	335.0000	185.0000	238.3333	2758.8245	52.5245
TSS	18	16.0000	1.0000	4.1667	14.2647	3.7769
NO3N	18	0.3000	0.0000	0.1272	0.0094	0.0970
TKN	18	0.7000	0.0000	0.3511	0.0610	0.2469
OP	18	0.0400	0.0000	0.0094	0.0001	0.0106
TP	18	0.0500	0.0000	0.0267	0.0007	0.0263
CL	18	70.0000	20.0000	39.4444	199.7908	14.1347
CU	18	0.3100	0.0000	0.0522	0.0085	0.0923
FE	18	0.3000	0.0000	0.1167	0.0122	0.1106
MN	14	0.1400	0.0000	0.0321	0.0028	0.0529
ZN	16	0.6380	0.0000	0.0526	0.0246	0.1569
TCOL	16	175.0000	0.0000	57.3625	3880.0625	62.2901
FCOL	14	95.0000	0.0000	9.5714	639.1868	25.2821

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOO	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.788	1.000								
ALK	-0.370	-0.549	1.000							
FDO	-0.094	-0.481	0.496	1.000						
TBOO	0.118	-0.242	0.515	0.383	1.000					
TCOD	0.004	-0.066	0.243	0.008	0.072	1.000				
TTOC	0.347	0.178	-0.467	-0.375	0.569	0.101	1.000			
TDS	0.091	-0.225	0.436	0.851	0.085	0.054	-0.459	1.000		
TSS	0.186	0.221	-0.189	-0.122	-0.137	0.408	-0.104	-0.216	1.000	
NO3N	-0.378	-0.587	0.715	0.538	0.333	0.112	-0.342	0.643	-0.329	1.000
TKN	0.017	-0.183	-0.109	0.450	-0.324	0.143	-0.340	0.219	0.240	0.110
OP	-0.187	-0.037	-0.115	-0.117	-0.231	-0.175	0.177	-0.240	0.386	-0.197
TP	0.041	-0.078	0.031	0.534	-0.228	-0.315	-0.350	0.257	-0.071	0.068
CL	0.015	-0.062	0.016	0.806	-0.454	-0.005	-0.489	0.449	-0.071	0.012
CU	-0.508	-0.552	0.026	0.282	0.164	-0.259	-0.145	0.045	-0.050	0.366
FE	0.043	0.223	0.042	-0.201	-0.117	-0.185	-0.098	-0.024	-0.013	0.023
MN	0.357	0.395	0.074	-0.190	0.376	-0.152	0.325	-0.036	0.011	0.077
ZN	0.276	0.206	-0.028	0.353	-0.523	0.019	0.065	0.409	-0.077	0.066
TCOL	0.438	0.201	0.160	0.439	0.255	0.642	0.050	0.497	0.129	0.290
FCOL	-0.140	-0.315	0.646	0.286	-0.152	0.072	-0.449	0.383	0.080	0.719

	PH	T	ALK	FDO	TBOO	TCOD	TTOC	TDS	TSS	NO3N
TKN	1.000									
OP	-0.239	1.000								
TP	0.117	0.331	1.000							
CL	0.017	0.325	0.753	1.000						
CU	0.260	-0.371	-0.241	-0.298	1.000					
FE	-0.224	0.245	0.048	0.226	0.115	1.000				
MN	-0.469	0.102	-0.153	-0.076	0.057	0.047	1.000			
ZN	0.258	-0.174	0.168	0.166	-0.112	-0.047	-0.236	1.000		
TCOL	0.362	-0.320	0.272	0.012	-0.015	-0.200	-0.372	0.516	1.000	
FCOL	0.090	0.249	0.376	0.476	0.322	0.175	0.417	-0.131	-0.219	1.000

NMP-7 TO 8, MONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	14	370.0000	235.0000	308.8571	1914.5934	42.5980
TM	7	157.0000	127.0000	142.0130	87.3333	9.3452
COL	14	10.0000	5.0000	0.7657	5.1813	2.4862
TUR	18	6.5000	0.0000	3.5278	5.2492	2.2911
YS	18	340.0000	197.0000	241.9444	2775.8791	52.6961
TVS	16	155.0000	15.0000	79.3750	1129.5833	33.6093
NH3N	14	0.2000	0.0000	0.0429	0.0057	0.0756
ORGN	10	0.5500	0.0000	0.2600	0.0427	0.2066
PHL	16	0.0900	0.0000	0.0278	0.0011	0.0334
SO4	18	35.0000	23.0000	29.0000	21.2941	4.6146
F	10	0.2000	0.0000	0.1200	0.0018	0.0422
CN	12	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	10	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	14	0.1200	0.0000	0.0407	0.0012	0.0350

CORRELATION MATRIX FOLLOWS:

	SPC	TM	COL	TUR	YS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TM	-0.794	1.000								
COL	0.777	-0.534	1.000							
TUR	0.560	-0.529	0.425	1.000						
YS	0.617	-0.679	0.312	0.130	1.000					
TVS	-0.224	0.010	-0.560	0.193	0.147	1.000				
NH3N	0.553	-0.250	-0.327	0.069	-0.015	0.442	1.000			
ORGN	0.477	0.487	0.266	-0.351	0.533	-0.334	0.676	1.000		
PHL	0.596	-0.044	0.681	0.434	-0.071	-0.205	-0.067	0.215	1.000	
SO4	0.455	0.669	-0.292	-0.011	0.669	0.336	0.189	0.568	-0.231	1.000
F	1.000	-0.850	1.000	0.431	-0.212	0.296	0.570	1.000	-0.348	-0.434
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR	0.138	-0.356	0.565	0.525	0.272	0.106	-0.301	-0.189	0.659	-0.114

	F	CN	SETR	SUR
F	1.000			
CN	1.000	1.000		
SETR	1.000	1.000	1.000	
SUR	0.176	1.000	1.000	1.000



NMP-7 TO 8, MONTHLY  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	12	0.0000	0.0000	0.0037	0.0000	0.0023
AL	12	0.1000	0.0000	0.0143	0.0011	0.0339
AS	5	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.3300	0.0000	0.1138	0.0172	0.1313
BE	18	0.0220	0.0000	0.0026	0.0000	0.0056
CD	18	0.0230	0.0000	0.0027	0.0000	0.0058
CR	18	0.1400	0.0000	0.0178	0.0017	0.0412
HC	6	0.0000	0.0000	0.0000	0.0000	0.0000
K	18	2.3500	1.3200	1.8859	0.1365	0.3694
MC	12	5.6000	6.6700	8.2767	1.0912	1.0446
NA	18	28.2000	9.0600	16.3661	42.2440	6.4995
NI	16	0.1500	0.0000	0.0319	0.0024	0.0494
PB	14	0.0000	0.0000	0.0186	0.0010	0.0311
SE	5	0.0000	0.0000	0.0000	0.0000	0.0000
SI	8	1.0000	0.0000	0.2500	0.0143	0.4629
V	12	0.3000	0.0000	0.0500	0.0136	0.1168

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HC	K	MC
AG	1.000									
AL	-0.214	1.000								
AS	1.000	1.000	1.000							
BA	-0.319	0.492	1.000	1.000						
BE	-0.163	0.528	1.000	-0.461	1.000					
CD	-0.152	-0.248	1.000	0.322	-0.227	1.000				
CR	-0.108	-0.223	1.000	-0.452	0.612	-0.154	1.000			
HC	1.000	1.000		1.000	1.000	1.000	1.000	1.000		
K	-0.554	0.490	1.000	0.811	-0.021	0.263	-0.056	1.000	1.000	
MC	1.000	0.365	1.000	-0.251	-0.154	0.370	0.399	1.000	0.607	1.000
NA	-0.105	0.313	1.000	0.715	-0.237	0.520	-0.319	1.000	0.257	0.445
NI	-0.290	0.283	1.000	0.006	0.292	0.693	0.831	1.000	0.250	0.474
PB	-0.143	-0.304	1.000	1.000	-0.251	0.032	-0.286	1.000	-0.092	-0.216
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	0.632	-0.316	1.000	0.009	-0.303	0.527	-0.322	1.000	-0.018	0.617
V	1.000	-0.167	1.000	1.000	-0.199	0.499	-0.227	1.000	-0.096	-0.237

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	-0.025	1.000				
PB	0.185	-0.196	1.000			
SE	1.000	1.000	1.000	1.000		

	NA	NI	PB	SE	SI	V
SI	0.138	-0.147	-0.498		1.000	
V	0.478	0.092	0.762	1.000	-0.333	1.000

NMP-7 TO 8, MONTHLY  
DEPTHS 40 TO 50 FEET  
ALL YEAR 1973

PARAMETER	NO. OF SAIP	PAY	PTH	PEAN	VARIANCE	STD. DEV.
PP	9	8.0000	6.0000	7.0000	0.0000	0.0000
T	6	74.0000	40.0000	52.0000	14.0000	15.0000
ALY	6	97.0000	79.0000	87.0000	7.0000	8.0000
FPO	7	12.0000	8.0000	9.0000	2.0000	2.0000
TPOD	7	2.0000	0.0000	1.0000	1.0000	1.0000
TCCD	8	26.0000	4.0000	10.0000	4.0000	5.0000
TCCO	4	10.0000	0.0000	5.0000	5.0000	5.0000
TDS	9	345.0000	200.0000	225.0000	25.0000	50.0000
TSS	9	40.0000	1.0000	7.0000	15.0000	12.0000
HOAF	9	0.0000	0.0000	0.0000	0.0000	0.0000
TEF	8	1.0000	0.0000	0.5000	0.5000	0.5000
OP	9	0.0000	0.0000	0.0000	0.0000	0.0000
TP	9	0.0000	0.0000	0.0000	0.0000	0.0000
CL	9	60.0000	27.0000	35.0000	14.0000	11.0000
CU	8	0.0000	0.0000	0.0000	0.0000	0.0000
TF	9	0.0000	0.0000	0.0000	0.0000	0.0000
PH	6	0.0000	0.0000	0.0000	0.0000	0.0000
Z"	7	0.0000	0.0000	0.0000	0.0000	0.0000
TCCO	7	240.0000	0.0000	70.0000	20.0000	40.0000
FCCO	7	5.0000	0.0000	2.0000	0.0000	2.0000

COEFFICIENTS ARE AS FOLLOWS:

	PP	T	ALY	FPO	TPOD	TCCD	TCCO	TDS	TSS	HOAF
PP	1.000									
T	0.612	1.000								
ALY	-0.046	-0.311	1.000							
FPO	-0.149	-0.488	0.592	1.000						
TPOD	-0.502	-0.878	0.263	0.125	1.000					
TCCD	0.013	-0.471	-0.319	-0.319	0.435	1.000				
TCCO	0.325	-0.033	-0.219	-0.285	0.620	0.394	1.000			
TDS	0.255	-0.216	0.275	0.220	0.657	0.154	0.290	1.000		
TSS	-0.177	0.734	-0.400	-0.470	-0.002	-0.405	-0.270	-0.277	1.000	
HOAF	-0.316	0.364	-0.024	-0.482	0.622	0.540	0.550	0.225	0.450	1.000
TEF	-0.117	-0.505	-0.248	0.750	0.150	0.000	-0.030	0.205	-0.202	-0.118
OP	-0.236	0.077	0.422	-0.424	0.510	0.672	0.610	-0.001	-0.272	0.640
TP	0.629	0.637	-0.102	-0.516	-0.255	-0.210	-0.605	-0.002	0.055	-0.105
CL	-0.081	-0.177	-0.161	0.727	-0.711	-0.004	-0.005	0.484	-0.100	-0.108
CU	-0.389	-0.516	-0.418	0.554	0.103	0.030	-0.505	0.025	-0.276	-0.034
TF	-0.516	-0.522	-0.543	-0.432	0.177	0.154	0.500	-0.100	-0.180	-0.172
PH	-0.071	-0.214	0.073	0.550	0.200	0.339	-0.731	0.275	-0.211	-0.500
Z"	-0.421	-0.071	0.125	-0.461	-0.537	0.042	-0.020	0.287	0.055	0.131
TCCO	-0.263	-0.298	0.502	-0.131	0.300	0.844	0.610	-0.440	-0.265	0.846
FCCO	-0.738	-0.701	0.700	0.657	0.520	-0.102	-0.515	0.132	-0.471	-0.103

	TPH	OP	CP	CL	CU	FF	PH	TF	TCCO	FCCO
TPH	1.000									
OP	-0.435	1.000								
CP	-0.623	-0.065	1.000							
CL	0.234	-0.360	-0.167	1.000						
CU	0.782	-0.234	-0.424	-0.257	1.000					
FF	0.602	-0.254	-0.362	-0.170	0.640	1.000				
PH	0.470	-0.075	-0.414	0.228	0.653	-0.251	1.000			
TF	0.364	-0.255	-0.156	0.541	-0.081	-0.370	-0.105	1.000		
TCCO	-0.066	0.644	0.020	0.412	-0.087	-0.227	0.515	0.440	1.000	
FCCO	0.227	0.192	-0.731	0.344	0.661	0.240	0.557	-0.215	-0.150	1.000

NMP-7 TO 8, MONTHLY  
 DEPTHS 40 to 50 FEET  
 ALL YEAR 1973

PARAMETER	NO. OF SAID	DAY	TYPE	MEAN	VARIANCE	STD. DEV.
SPC	7	330.0000	240.0000	277.1430	1542.5005	39.2591
TF	3	175.0000	170.0000	150.0000	327.0000	18.0831
COL	7	10.0000	5.0000	0.4200	5.0524	2.4700
TUP	4	12.0000	0.0000	4.3770	17.0000	4.2074
TC	4	250.0000	200.0000	247.2222	2474.0000	49.7400
TVE	8	150.0000	10.0000	77.5000	1400.0000	37.4166
PPAP	7	0.3000	0.0000	0.0000	0.0000	0.0000
OPCP	5	0.0000	0.1000	0.4000	0.0000	0.0000
PEL	8	0.0000	0.0000	0.0000	0.0000	0.0000
COL	4	30.0000	20.0000	20.0000	41.0000	6.4031
F	4	0.1000	0.1000	0.1000	0.0000	0.0000
CR	5	0.0000	0.0000	0.0000	0.0000	0.0000
SETP	5	0.0000	0.0000	0.0000	0.0000	0.0000
SUP	7	0.1000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	SPC	TF	COL	TUP	TC	TVE	PPAP	OPCP	PEL	COL
SPC	1.000									
TF	-0.026	1.000								
COL	0.059	-0.006	1.000							
TUP	0.772	-0.403	0.031	1.000						
TC	-0.352	-0.561	-0.171	-0.100	1.000					
TVE	-0.500	-0.486	-0.600	0.222	0.733	1.000				
PPAP	-0.380	1.000	1.000	-0.316	0.606	1.000	1.000			
OPCP	-0.124	1.000		-0.151	0.270	0.400	0.400	1.000		
PEL	0.850	0.321	-0.051	0.032	-0.086	-0.227	1.000	0.211	1.000	
COL	-0.627	0.226	-0.438	0.050	0.573	0.277	0.501	0.270	-0.302	1.000
F	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETP	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUP	0.561	1.000	1.000	0.210	0.174	0.803	-0.300	0.432	-0.103	-0.263

	F	CR	SETP	SUP
F	1.000			
CR	1.000	1.000		
SETP	1.000	1.000	1.000	
SUP	1.000	1.000	1.000	1.000

NMP-7 TO 8, MONTHLY  
DEPTHS 40 TO 50 FEET  
ALL YEAR 1973

DESCRIPTION KEY: D=730301,740301 S=NMP-7,PTP-P V=40,50

JOB NO(S) = 10115

EXPAINTER	NO. OF SAND	PAY	MTF	MTAP	VARIANCE	CRD. DEB.
AG	5	0.0040	0.0000	0.0014	0.0000	0.0010
AL	5	0.0350	0.0000	0.0000	0.0000	0.0347
AS	2	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.1300	0.0000	0.0025	0.0000	0.0000
BT	8	0.0070	0.0000	0.0013	0.0000	0.0025
CB	5	0.0300	0.0000	0.0013	0.0000	0.0015
CD	7	0.0400	0.0000	0.0007	0.0000	0.0351
CG	3	0.0000	0.0000	0.0000	0.0000	0.0000
Y	8	0.1700	1.3500	1.0000	0.1700	0.4132
UC	5	10.1000	8.8700	8.8717	1.5810	1.0007
VA	8	22.4000	9.0000	14.5213	23.5352	4.8414
SI	8	0.0900	0.0000	0.0000	0.0000	0.0000
ST	7	0.1300	0.0000	0.0000	0.0000	0.0000
ST	2	0.0000	0.0000	0.0000	0.0000	0.0000
ST	4	0.0000	0.0000	0.0000	10.2500	0.0000
V	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BT	CB	CD	CG	Y	UC	VA	SI	ST	V
AG	1.000													
AL	-0.333	1.000												
AS	1.000	1.000												
BA	-0.558	-0.500	1.000											
BT	-0.459	1.000	1.000	-0.333	1.000									
CB	-0.401	-0.200	1.000	1.000	-0.100	1.000								
CD	-0.558	1.000	1.000	1.000	-0.233	1.000	1.000							
CG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000						
Y	-0.987	0.344	1.000	0.634	-0.252	-0.470	0.514	1.000	-1.000					
UC	1.000	-0.827	1.000	-1.000	-0.556	-0.190	0.376	1.000	-0.048	1.000				
VA	-0.236	-0.262	1.000	0.056	-0.359	0.557	-0.117	1.000	-0.054	0.134				
SI	0.539	0.055	1.000	-0.245	-0.403	0.147	1.000	-0.005	-0.415	-0.415				
ST	-0.333	-0.304	1.000	1.000	-0.240	0.070	-0.200	1.000	0.233	-0.415				
ST	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
ST	-0.971	1.000	1.000	1.000	-0.200	0.000	-1.000	1.000	-0.034	1.000				
V	1.000	-0.250	1.000	1.000	-0.200	1.000	-0.200	1.000	-0.124	0.172				

	PA	PT	PR	SP	ST	V
PA	1.000					
PT	-0.065	1.000				
PR	0.396	0.022	1.000			
SP	1.000	1.000	1.000			
ST	0.364	-0.014	0.001	1.000		
V	0.008	-0.364	-0.014	1.000	-1.000	1.000

(OSW-MO + NMP-BIMO + NMP-MO)  
ALL DEPTHS ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	274	9.1000	6.0000	8.1252	0.1753	0.4190
T	261	103.0000	40.0000	58.0194	179.4437	13.3957
SPC	212	490.0000	0.0000	222.9575	3082.8987	55.5569
COL	65	45.0000	0.0000	6.3046	30.8154	5.5557
TUR	246	52.0000	0.0000	4.3634	36.0231	6.0019
ALK	131	120.0000	6.0000	66.9094	102.9300	10.1498
TF	36	175.0000	115.0000	144.8722	167.6549	12.9493
FDO	246	13.0000	5.0000	9.7939	2.5395	1.5936
TROD	267	6.0000	0.0000	1.8052	0.8191	0.9050

## CORRELATION MATRIX FOLLOWS:

	PP	T	SPC	COL	TUR	ALK	TF	FDO	TROD
PP	1.000								
T	0.571	1.000							
SPC	0.085	0.485	1.000						
COL	-0.111	-0.192	0.227	1.000					
TUR	-0.202	-0.083	0.121	-0.535	1.000				
ALK	-0.169	-0.206	-0.063	-0.171	-0.540	1.000			
TF	0.175	0.277	-0.203	-0.054	-0.299	-0.143	1.000		
FDO	-0.195	-0.509	-0.194	-0.067	0.138	0.248	-0.631	1.000	
TROD	-0.113	-0.182	-0.005	-0.016	0.115	0.133	-0.206	0.463	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TCOD	269	65.0000	0.0000	12.4907	106.0941	10.3002
TTOC	38	18.0000	0.0000	5.1042	14.0111	3.7415
TS	284	530.0000	145.0000	244.7792	3087.4907	55.5651
TDS	143	525.0000	130.0000	255.0580	3734.7185	61.1123
TVS	111	175.0000	10.0000	81.4065	790.7249	28.1198
TSS	284	260.0000	0.0000	9.0704	636.6311	25.2315
NP3N	196	0.0000	0.0000	0.0459	0.0123	0.1111
OPGN	81	1.1500	0.0000	0.3570	0.0883	0.2972
TKN	230	1.4100	0.0000	0.4721	0.1108	0.3338
NO3N	284	0.4500	0.0000	0.1364	0.0135	0.1163

## CORRELATION MATRIX FOLLOWS:

	TCOD	TTOC	TS	TDS	TVS	TSS	NP3N	OPGN	TKN	NO3N
TCOD	1.000									
TTOC	-0.062	1.000								
TS	0.033	-0.327	1.000							
TDS	0.020	-0.263	0.917	1.000						
TVS	0.193	-0.071	0.610	-0.615	1.000					
TSS	-0.252	-0.144	0.404	-0.026	0.115	1.000				
NP3N	-0.073	-0.133	0.198	0.218	-0.258	0.071	1.000			
OPGN	-0.023	-0.665	0.451	0.266	-0.013	0.413	-0.091	1.000		
TKN	-0.023	-0.412	0.335	0.196	-0.218	0.286	-0.114	0.949	1.000	
NO3N	-0.156	0.148	0.337	0.295	0.105	0.231	-0.077	0.402	0.175	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	284	0.0900	0.0000	0.0102	0.0002	0.0142
TP	284	0.9100	0.0000	0.0503	0.0078	0.0883
PFL	111	0.1690	0.0000	0.0226	0.0013	0.0362
CL	131	126.0000	24.0000	39.9618	290.2678	17.0372
SO4	113	48.0000	22.0000	30.8142	38.7419	6.2243
CHLA	165	45.0000	0.0000	5.6818	50.4010	7.0994

## CORRELATION MATRIX FOLLOWS:

	OP	TP	PFL	CL	SO4	CHLA
OP	1.000					
TP	0.193	1.000				
PFL	-0.233	0.051	1.000			
CL	0.530	-0.013	-0.053	1.000		
SO4	0.267	0.055	-0.218	0.370	1.000	
CHLA	0.158	0.281		0.202		1.000

ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
ALL DEPTHS  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CP	46	0.0000	0.0000	0.0000	0.0000	0.0000
STTR	75	0.0000	0.0000	0.0573	0.2113	0.4610
F	38	0.2600	0.1000	0.1104	0.0015	0.0393
TCOL	98	0.0000	0.0000	270.5510	443005.7242	663.9308
FCOL	97	550.0000	0.0000	17.6000	3603.9404	60.0200

CORRELATION MATRIX FOLLOWS:

	CP	STTR	F	TCOL	FCOL
CP	1.000				
STTR	1.000	1.000			
F	1.000	1.000	1.000		
TCOL	1.000	0.573	0.058	1.000	
FCOL	1.000	0.022	0.386	0.432	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	49	0.0120	0.0000	0.0013	0.0000	0.0030
AL	54	0.2730	0.0000	0.0137	0.0018	0.0425
AS	14	0.0060	0.0000	0.0004	0.0000	0.0016
BA	31	0.5000	0.0000	0.0706	0.0178	0.1320
BF	81	0.0510	0.0000	0.0052	0.0001	0.0092
CD	81	0.0670	0.0000	0.0037	0.0001	0.0090
CR	104	0.5000	0.0000	0.0207	0.0040	0.0630
CU	81	0.4200	0.0000	0.0045	0.0136	0.1166
FF	82	1.9200	0.0000	0.2004	0.0081	0.3333
FG	24	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BF	CD	CP	CU	FF	FG
AG	1.000									
AL	0.139	1.000								
AS	0.113	0.113	1.000							
BA	0.033	0.074	1.000	1.000						
BF	0.091	0.059	0.266	0.355	1.000					
CD	0.404	0.228	0.117	0.001	0.031	1.000				
CP	0.007	0.131	0.163	0.259	0.079	0.000	1.000			
CU	0.068	0.172	0.099	0.016	0.002	0.136	0.111	1.000		
FF	0.377	0.164	0.053	0.274	0.042	0.070	0.040	0.359	1.000	
FG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
K	81	2.4600	1.3200	1.8550	0.1201	0.3504
HG	76	11.6000	0.3200	8.0537	2.5183	1.5863
PR	58	0.3000	0.0000	0.0578	0.0072	0.0849
RA	98	31.6000	8.7500	16.0349	24.0260	5.4706
ST	72	0.2000	0.0000	0.0326	0.0018	0.0420
PR	62	0.2400	0.0000	0.0245	0.0021	0.0461
ST	21	0.0000	0.0000	0.0000	0.0000	0.0000
ST	126	7.0000	0.0000	0.8254	2.0033	1.7301
V	70	0.5000	0.0000	0.0371	0.0102	0.1010
ST	98	0.6300	0.0000	0.0344	0.0072	0.0848

CORRELATION MATRIX FOLLOWS:

	K	HG	PR	RA	ST	PR	ST	V	ST
K	1.000								
HG	0.202	1.000							
PR	0.246	0.097	1.000						
RA	0.003	0.010	0.102	1.000					
ST	0.005	0.030	0.024	0.118	1.000				
PR	0.000	0.130	0.025	0.131	0.070	1.000			
ST	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
ST	0.460	0.511	0.777	0.042	0.127	0.158	1.000	1.000	
V	0.101	0.141	0.184	0.032	0.057	0.120	1.000	0.100	1.000
ST	0.003	0.077	0.108	0.006	0.124	0.066	1.000	0.111	0.254

## ALL STATIONS

(NIP-MO)

ALL DEPTHS - MARCH 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	8	7.0000	7.0000	7.0000	0.0000	0.0000
T	8	0.0000	0.0000	0.0000	0.0000	0.0000
SPC	8	375.0000	320.0000	347.5000	20.1250	4.4850
COL	8	10.0000	10.0000	10.0000	0.0000	0.0000
TUP	8	4.0000	2.0000	2.7500	0.5000	0.7071
ALF	8	0.0000	0.0000	0.0000	0.0000	0.0000
TP	8	177.0000	127.0000	152.0000	20.0000	4.4721
TRD	8	0.0000	0.0000	0.0000	0.0000	0.0000
TRDD	8	1.0000	0.0000	0.6250	0.2500	0.5000

CORRELATION MATRIX FOLLOWS:

	PP	T	SPC	COL	TUP	ALF	TP	TRD	TRDD
PP	1.000								
T		1.000							
SPC	0.228		1.000						
COL	1.000		1.000	1.000					
TUP	0.098		0.618	1.000	1.000				
ALF	0.246		0.280	1.000	0.471	1.000			
TP	0.284		0.208	1.000	0.595	0.363	1.000		
TRD								1.000	
TRDD	0.067		0.243	1.000	0.693	0.679	0.690		1.000

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TCOD	8	14.0000	5.0000	8.1250	10.1250	3.1820
TCOC	8	0.0000	0.0000	0.0000	0.0000	0.0000
TS	8	280.0000	185.0000	207.5000	1293.0000	35.9720
TDS	8	250.0000	135.0000	192.5000	1297.8571	35.9563
TYS	8	80.0000	10.0000	41.2500	633.0208	25.1778
TSS	8	11.0000	1.0000	7.8750	12.6000	3.5350
PP3P	8	0.0000	0.0000	0.0000	0.0000	0.0000
OPGN	8	1.0000	0.0000	0.4750	0.0870	0.2984
TRP	8	1.0000	0.0000	0.4750	0.0870	0.2984
PO3P	8	0.0300	0.0200	0.0225	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	TCOD	TCOC	TS	TDS	TYS	TSS	PP3P	OPGN	TRP	PO3P
TCOD	1.000									
TCOC		1.000								
TS	0.486		1.000							
TDS	0.481		0.995	1.000						
TYS	0.412		0.740	0.725	1.000					
TSS	0.031		0.384	0.470	0.250	1.000				
PP3P	1.000		1.000	1.000	1.000	1.000	1.000			
OPGN	0.322		0.746	0.781	0.691	0.151	1.000	1.000		
TRP	0.322		0.746	0.781	0.691	0.151	1.000	1.000	1.000	
PO3P	0.267		0.615	0.741	0.709	0.240	1.000	0.450	0.460	1.000

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	8	0.0000	0.0000	0.0000	0.0000	0.0000
TP	8	0.0000	0.0000	0.0000	0.0000	0.0000
PP	8	0.1200	0.0000	0.0300	0.0000	0.0000
CL	8	70.0000	60.0000	65.0000	10.0000	3.1623
CPA	8	25.0000	20.0000	22.5000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	OP	TP	PP	CL	CPA
OP	1.000				
TP	0.561	1.000			
PP	0.749	0.500	1.000		
CL	0.336	0.301	0.687	1.000	
CPA	0.158	0.147	0.225	0.609	1.000

ALL STATIONS  
(NMP-MO)  
ALL DEPTHS-MARCH 1973

PARAMETER	NO. OF SAHP	HAX	HTP	HTAP	VARIANCE	STD. DEV.
CH	0	0.0000	0.0000	0.0000	0.0000	0.0000
STTP	0	0.0000	0.0000	0.0000	0.0000	0.0000
F	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	2	0.0000	0.0000	0.0000	0.0000	0.0000
FCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	CH	STTP	F	TCOL	FCOL
CH	1.000				
STTP		1.000			
F			1.000		
TCOL				1.000	
FCOL					1.000

PARAMETER	NO. OF SAHP	HAX	HTP	HTAP	VARIANCE	STD. DEV.
AG	0	0.0000	0.0000	0.0000	0.0000	0.0000
AL	0	0.0000	0.0000	0.0000	0.0000	0.0000
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BT	0	0.0350	0.0000	0.0000	0.0000	0.0000
CD	0	0.0000	0.0000	0.0000	0.0000	0.0122
CP	0	0.0000	0.0000	0.0000	0.0000	0.0000
CU	0	0.0500	0.0000	0.0000	0.0000	0.0000
FE	0	0.3700	0.1700	0.2853	0.0000	0.0000
FG	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BT	CD	CP	CU	FE	FG
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BT					1.000					
CD						1.000				
CP							1.000			
CU								1.000		
FE									1.000	
FG										1.000

PARAMETER	NO. OF SAHP	HAX	HTP	HTAP	VARIANCE	STD. DEV.
K	0	1.4300	1.3200	1.3550	0.0016	0.0379
MG	0	10.1500	8.8000	8.6500	1.0143	1.0071
MP	0	0.0000	0.0000	0.0000	0.0000	0.0000
MA	0	14.8000	11.5000	12.1000	1.3061	1.1429
MT	0	0.1240	0.0000	0.0000	0.0000	0.0000
PR	0	0.1240	0.0000	0.0000	0.0000	0.0000
JP	0	0.0000	0.0000	0.0000	0.0000	0.0000
ST	0	0.0000	0.0000	0.0000	0.0000	0.0000
V	0	0.0000	0.0000	0.0000	0.0000	0.0000
CP	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	K	MG	MP	MA	MT	PR	JP	ST	V	CP
K	1.000									
MG		1.000								
MP			1.000							
MA				1.000						
MT					1.000					
PR						1.000				
JP							1.000			
ST								1.000		
V									1.000	
CP										1.000



ALL STATIONS  
(OSW-MO + NMP-MO)  
ALL DEPTHS  
APRIL 1973

Category 4

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	14	8.1000	7.8000	7.9500	0.1000	0.3162
T	12	0.1000	0.0000	0.0500	0.0000	0.0000
SPC	14	380.0000	110.0000	250.0000	400.0000	20.0000
COL	14	0.0000	0.0000	0.0000	0.0000	0.0000
TUP	14	0.0000	0.0000	0.0000	0.0000	0.0000
ALK	14	100.0000	70.0000	85.0000	40.0000	6.3246
TP	14	100.0000	110.0000	105.0000	10.0000	3.1623
PD	0	0.0000	0.0000	0.0000	0.0000	0.0000
TROP	13	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TP	PD	TROP
PH	1.000								
T	0.352	1.000							
SPC	0.641	0.195	1.000						
COL	-0.218	-0.312	-0.451	1.000					
TUP	0.138	-0.295	-0.491	-0.564	1.000				
ALK	0.283	-0.007	0.266	-0.525	-0.281	1.000			
TP	0.342	0.375	0.565	-0.034	0.000	-0.041	1.000		
PD								1.000	
TROP	0.384	-0.387	0.127	0.393	0.293	-0.150	0.347		1.000

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TCOD	14	12.0000	3.0000	6.5000	5.6538	2.3778
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TS	14	280.0000	230.0000	252.8571	279.6703	16.7233
TDS	14	280.0000	225.0000	249.2857	297.9121	16.9680
TYS	14	75.0000	30.0000	58.2143	140.7067	11.8658
TSS	14	0.0000	0.0000	0.0000	0.0000	0.0000
PP3M	0	0.0000	0.0000	0.0000	0.0000	0.0000
OP3M	0	0.0000	0.0000	0.0000	0.0000	0.0000
TKM	14	1.4100	0.3600	0.9564	0.0958	0.3085
NO3M	14	0.2900	0.0900	0.1921	0.0029	0.0541

CORRELATION MATRIX FOLLOWS:

	TCOD	TTOC	TS	TDS	TYS	TSS	PP3M	OP3M	TKM	NO3M
TCOD	1.000									
TTOC		1.000								
TS	0.048		1.000							
TDS	0.057		0.990	1.000						
TYS	0.034		0.745	0.749	1.000					
TSS	-0.171		0.106	0.004	-0.202	1.000				
PP3M							1.000			
OP3M								1.000		
TKM	0.001		0.180	0.118	-0.041	0.367			1.000	
NO3M	0.170		0.278	0.287	0.036	0.155			0.352	1.000

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	14	0.1000	0.0000	0.0500	0.0000	0.0000
T	14	0.0000	0.0000	0.0000	0.0000	0.0000
SPC	14	0.0000	0.0000	0.0000	0.0000	0.0000
COL	14	0.0000	0.0000	0.0000	0.0000	0.0000
TUP	14	0.0000	0.0000	0.0000	0.0000	0.0000
ALK	14	0.0000	0.0000	0.0000	0.0000	0.0000
TP	14	0.0000	0.0000	0.0000	0.0000	0.0000
PD	0	0.0000	0.0000	0.0000	0.0000	0.0000
TROP	13	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TP	PD	TROP
PH	1.000								
T	0.000	1.000							
SPC	0.000	-0.144	1.000						
COL	0.000	-0.000	-0.000	1.000					
TUP	-0.000	0.000	-0.000	0.000	1.000				
ALK	-0.000	0.000	-0.000	0.000	0.000	1.000			
TP	-0.000	0.000	-0.000	0.000	0.000	0.000	1.000		
PD								1.000	
TROP									1.000

ALL STATIONS  
(OSW-MO + NMP-MO)  
ALL DEPTHS  
APRIL 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CP	0	0.0000	0.0000	0.0000	0.0000	0.0000
SETP	0	0.0000	0.0000	0.0000	0.0000	0.0000
F	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	14	0.0000	0.0000	0.0000	0.0000	0.0000
PCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	CP	SETP	F	TCOL	PCOL
CP	1.000				
SETP		1.000			
F			1.000		
TCOL				1.000	
PCOL					1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	0	0.0000	0.0000	0.0000	0.0000	0.0000
AL	15	0.0000	0.0000	0.0000	0.0000	0.0000
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
PF	15	0.0190	0.0000	0.0045	0.0000	0.0059
CD	15	0.0000	0.0000	0.0000	0.0000	0.0000
CP	15	0.0200	0.0000	0.0060	0.0001	0.0091
CU	15	0.4200	0.0000	0.3013	0.0103	0.1013
FE	15	1.9200	0.0400	0.4727	0.2837	0.5327
EG	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	PF	CD	CP	CU	FE	EG
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
PF					1.000					
CD						1.000				
CP							1.000			
CU								1.000		
FE									1.000	
EG										1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
F	15	1.6000	1.4700	1.5747	0.0043	0.0653
MG	14	6.6200	0.3500	6.2220	6.6654	2.5817
MA	0	0.0000	0.0000	0.0000	0.0000	0.0000
TA	15	12.1400	12.0000	12.4480	4.6373	2.1523
PI	14	0.1300	0.0000	0.2303	0.0025	0.0387
PH	15	0.1200	0.0000	0.0403	0.0019	0.0431
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000
ST	0	0.0000	0.0000	0.0000	0.0000	0.0000
TE	15	0.2000	0.0000	0.0200	0.0000	0.0447
TP	15	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	K	MG	MA	TA	PI	PH	SI	ST	TE	TP
K	1.000									
MG	0.719	1.000								
MA			1.000							
TA	0.277	0.208		1.000						
PI	0.046	0.105			1.000					
PH	-0.207	0.044		-0.189	0.018	1.000				
SI							1.000			
ST								1.000		
TE	0.274	0.050		-0.303	0.005	0.255			1.000	
TP	1.000	1.000		1.000	1.000	1.000				1.000

ALL STATIONS  
(OSW-MO + NMP-MO)  
ALL DEPTHS  
MAY 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	14	1.0000	7.0000	7.0571	0.0057	0.0756
T	12	1.1000	47.3000	51.9500	17.1701	4.1448
SPC	8	340.0000	220.0000	275.2500	2207.0201	47.7905
COL	8	1.0000	0.0000	3.7500	12.5000	3.5355
TUP	8	0.0000	2.0000	4.5000	1.7143	1.3093
ALX	14	117.0000	02.0000	06.0714	26.6066	5.1559
TP	0	0.0000	0.0000	0.0000	0.0000	0.0000
FDO	8	12.2000	11.3000	11.8750	0.1307	0.3615
TROD	6	3.0000	1.0000	1.6667	0.6667	0.8165

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALX	TP	FDO	TROD
PH	1.000								
T	0.419	1.000							
SPC	0.075	0.929	1.000						
COL	0.611	0.014	0.697	1.000					
TUP	0.220	0.422	0.086	0.617	1.000				
ALX	0.205	0.036	0.657	0.664	0.283	1.000			
TP						1.000			
FDO	0.146	0.577	0.775	0.800	0.990	0.585	1.000		
TROD	0.586	0.824	0.174			0.759	0.420	1.000	

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TCOD	14	16.0000	5.0000	10.5714	17.4945	4.1926
TCOC	8	4.0000	0.0000	1.3750	3.1250	1.7678
TS	14	335.0000	235.0000	271.0714	1135.3022	33.6942
TDS	14	330.0000	235.0000	269.6429	1013.3242	31.8328
TVS	14	150.0000	80.0000	103.5714	451.6484	21.2520
TSS	14	5.0000	0.0000	1.3571	3.4780	1.8640
HP3P	14	0.0000	0.0000	0.0000	0.0000	0.0000
OPG7	14	0.0000	0.1500	0.3500	0.0296	0.1721
TPP	14	0.0000	0.1500	0.3500	0.0296	0.1721
PO3T	14	0.0000	0.0000	0.1236	0.0146	0.1200

CORRELATION MATRIX FOLLOWS:

	TCOD	TCOC	TS	TDS	TVS	TSS	HP3P	OPG7	TPP	PO3T
TCOD	1.000									
TCOC	0.519	1.000								
TS	0.773	0.433	1.000							
TDS	0.782	0.442	0.699	1.000						
TVS	0.244	0.011	0.483	0.463	1.000					
TSS	0.445	0.284	0.771	0.747	0.645	1.000				
HP3P	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
OPG7	0.385	0.132	0.255	0.232	0.572	0.443	1.000	1.000		
TPP	0.385	0.132	0.255	0.232	0.572	0.443	1.000	1.000	1.000	
PO3T	0.152	0.046	0.211	0.217	0.370	0.200	1.000	0.120	0.120	1.000

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	14	0.0000	0.0000	0.0000	0.0000	0.0000
TP	14	0.0000	0.0000	0.0000	0.0000	0.0000
PFL	14	0.0000	0.0000	0.0000	0.0000	0.0000
CL	14	52.0000	20.0000	36.6429	93.1702	9.6525
SO4	8	32.0000	20.0000	26.5714	4.9071	2.2171
CFLA	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	OP	TP	PFL	CL	SO4	CFLA
OP	1.000					
TP	0.671	1.000				
PFL	0.150	0.111	1.000			
CL	0.263	0.090	0.221	1.000		
SO4	0.104	0.013	0.174	0.477	1.000	
CFLA						1.000

ALL STATIONS  
(OSW-MD + NMP-BIMO + NMP-MD)  
ALL DEPTHS  
MAY 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CH	8	0.0000	0.0000	0.0000	0.0000	0.0000
SETP	8	0.0000	0.0000	0.0000	0.0000	0.0000
F	8	0.0000	0.0000	0.0000	0.0000	0.0000
TCCL	8	0.0000	0.0000	0.0000	0.0000	0.0000
FCCL	14	550.0000	0.0000	51.4286	21202.8721	145.6121

CORRELATION MATRIX FOLLOWS:

	CH	SETP	F	TCCL	FCCL
CH	1.000				
SETP		1.000			
F			1.000		
TCCL				1.000	
FCCL					1.000

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	8	0.0120	0.0000	0.0015	0.0000	0.0042
AL	8	0.1000	0.0000	0.0225	0.0012	0.0349
AS	8	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.3900	0.0000	0.1700	0.0191	0.1390
BE	8	0.0080	0.0000	0.0018	0.0000	0.0033
CD	8	0.0230	0.0000	0.0100	0.0001	0.0075
CP	13	0.5000	0.0000	0.0662	0.0235	0.1533
CU	8	0.1400	0.0100	0.0575	0.0024	0.0492
FF	8	0.2700	0.0000	0.1639	0.0113	0.1061
EG	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CP	CU	FF	EG
AG	1.000									
AL	-0.260	1.000								
AS			1.000							
BA	-0.498	0.272		1.000						
BE	-0.215	-0.006		-0.321	1.000					
CD	-0.269	-0.360		-0.433	0.128	1.000				
CP	1.000	1.000		1.000	1.000	1.000	1.000			
CU	-0.390	0.538		-0.282	0.172	0.124	1.000	1.000		
FF	0.367	0.043		0.063	0.315	-0.400	1.000	-0.385	1.000	
EG	1.000	1.000		1.000	1.000	1.000	1.000	1.000	1.000	1.000

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
K	8	2.3700	1.9800	2.2063	0.0204	0.1477
LD	14	8.1000	5.8000	7.7029	0.5084	0.7130
MD	8	0.3600	0.0000	0.1463	0.0194	0.1393
NA	8	28.2000	16.2000	22.1250	14.4450	3.8007
NE	8	0.2600	0.0000	0.0775	0.0005	0.0221
SE	8	0.2400	0.0000	0.0473	0.0002	0.0095
ST	8	0.0000	0.0000	0.0000	0.0000	0.0000
SV	8	7.0000	0.0000	2.7750	8.2670	2.8750
V	8	0.0000	0.0000	0.0000	0.0000	0.0000
W	14	0.0450	0.0000	0.0100	0.0002	0.0130

CORRELATION MATRIX FOLLOWS:

	K	LD	MD	NA	NE	SE	ST	SV	V	W
K	1.000									
LD	-0.175	1.000								
MD	0.072	-0.435	1.000							
NA	0.412	0.504	-0.676	1.000						
NE	0.436	0.565	-0.342	0.736	1.000					
SE	-0.251	0.215	-0.215	-0.095	-0.300	1.000				
ST							1.000			
SV	0.286	-0.387	0.775	-0.541	-0.102	0.017		1.000		
V									1.000	
W	0.204	0.023	0.350	-0.518	-0.177	0.116		0.602		1.000

ALL STATIONS  
(OSW-MO + NMP BIMO + NMP-MO)  
ALL DEPTHS  
JUNE, 1973

PARAMETER	NO. OF SAMPLE	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TCOD	32	46.0000	5.0000	12.3125	49.1845	7.0135
TCOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TS	32	536.0000	237.0000	317.3438	4500.1663	67.0833
TDS	32	525.0000	130.0000	300.0625	4200.9540	64.8711
TSS	0	0.0000	0.0000	0.0000	0.0000	0.0000
TSC	32	163.0000	0.0000	17.0625	1303.5444	37.3302
PHAN	18	0.3000	0.0000	0.0778	0.0065	0.0808
ORGN	18	1.0500	0.2500	0.5344	0.0370	0.1924
TKN	32	1.4000	0.3700	0.8138	0.0553	0.2351
PO3H	32	0.4000	0.0200	0.1728	0.0109	0.1042

CORRELATION MATRIX FOLLOWS:

	TCOD	TCOC	TS	TDS	TSS	TSC	PHAN	ORGN	TKN	PO3H
TCOD	1.000									
TCOC		1.000								
TS	0.134		1.000							
TDS	0.278		0.942	1.000						
TSS					1.000					
TSC	0.729		0.328	0.234	1.000					
PHAN	0.305		0.231	0.235	0.045	1.000				
ORGN	0.533		0.401	0.064	0.844	0.273	1.000			
TKN	0.347		0.006	0.230	0.417	0.111	0.921	1.000		
PO3H	0.511		0.306	0.027	0.607	0.343	0.457	0.116	1.000	

PARAMETER	NO. OF SAMPLE	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	32	8.0000	7.0000	7.4063	0.1830	0.4288
T	30	87.3000	42.4000	59.2367	66.8327	8.1751
SPC	28	375.0000	80.0000	288.3929	4400.0992	66.3332
COL	0	0.0000	0.0000	0.0000	0.0000	0.0000
TUP	32	48.0000	1.0000	9.4063	121.4748	11.0216
ALK	20	105.0000	7.0000	80.8500	411.8184	20.2833
TP	0	0.0000	0.0000	0.0000	0.0000	0.0000
FDO	30	13.0000	10.4000	12.0900	0.7809	0.8837
SBOD	24	4.0000	1.0000	2.8750	0.4620	0.6797

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TP	FDO	SBOD
PH	1.000								
T	0.269	1.000							
SPC	0.158	0.506	1.000						
COL				1.000					
TUP	0.144	0.120	0.072		1.000				
ALK	0.163	0.252	0.172		0.772	1.000			
TP							1.000		
FDO	0.514	0.160	0.131		0.117	0.434		1.000	
SBOD	0.054	0.661	0.300		0.077	0.031		0.122	1.000

PARAMETER	NO. OF SAMPLE	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TP	32	0.0000	0.0000	0.0001	0.0004	0.0200
TP	32	0.0100	0.0200	0.1513	0.0429	0.2070
PHL	0	0.0000	0.0000	0.0000	0.0000	0.0000
CL	20	40.0000	24.0000	37.4000	74.7789	8.6475
SC4	8	39.0000	34.0000	37.6250	3.0721	1.7555
CP4A	24	45.0000	0.0000	16.0750	137.4015	11.7257

CORRELATION MATRIX FOLLOWS:

	TP	PHL	CL	SC4	CP4A
TP	1.000				
PHL	0.337	1.000			
CL			1.000		
SC4	0.090	0.333	0.581	1.000	
CP4A	0.076	0.430	0.202		1.000

ALL STATIONS  
(OSW-MO + NMP BIMO + NMP-MO)  
ALL DEPTHS  
JUNE, 1973

Category 4

PARAMETER	NO. OF SAIP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CU	8	0.0000	0.0000	0.0000	0.0000	0.0000
SETP	8	0.0000	0.0000	0.0000	0.0000	0.0000
F	8	0.1000	0.1000	0.1000	0.0000	0.0000
TCOL	8	470.0000	10.0000	100.0000	10421.7147	102.1477
TCOL	8	5.0000	0.0000	1.7750	3.0921	1.0055

CORRELATION MATRIX FOLLOWS:

	CU	SETP	F	TCOL	TCOL
CU	1.000				
SETP		1.000			
F	1.000		1.000		
TCOL	1.000		1.000	1.000	
TCOL	1.000		1.000	0.600	1.000

PARAMETER	NO. OF SAIP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	8	0.0000	0.0000	0.0000	0.0000	0.0000
AL	8	0.0000	0.0000	0.0130	0.0000	0.0000
AS	8	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.0000	0.0000	0.0000	0.0000	0.0000
BT	8	0.0510	0.0000	0.0100	0.0000	0.0000
CD	8	0.0110	0.0000	0.0000	0.0000	0.0000
CP	8	0.0300	0.0000	0.0000	0.0000	0.0000
CU	8	0.0900	0.0100	0.0300	0.0000	0.0000
FE	8	0.1000	0.0000	0.0330	0.0000	0.0000
HC	8	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	1.9900	1.5300	1.6650	0.0730	0.1520
MC	8	9.4000	8.2000	8.6625	0.2000	0.4565
MP	8	0.0400	0.0000	0.0150	0.0000	0.0000
NA	8	26.4000	18.4000	22.2250	5.8450	2.4170
NI	8	0.0700	0.0000	0.0000	0.0000	0.0000
PD	8	0.0700	0.0000	0.0210	0.0000	0.0000
SE	8	0.0000	0.0000	0.0000	0.0000	0.0000
SI	32	3.0000	0.0000	0.2010	0.6600	0.8120
V	8	0.3000	0.0000	0.0750	0.0100	0.1380
ZP	8	0.6300	0.0000	0.1220	0.0470	0.2167

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BT	CD	CP	CU	FE	HC
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BT					1.000					
CD						1.000				
CP							1.000			
CU								1.000		
FE									1.000	
HC										1.000
K										
MC										
MP										
NA										
NI										
PD										
SE										
SI										
V										
ZP										

**CORRELATION MATRIX FOLLOWS:**

	TTC	TS	TDS	TVS	TSS	WSP	OPSN	TKP	ROSN
	TTC	TS	TDS	TVS	TSS	WSP	OPSN	TKP	ROSN
TTC	1.000								
TS	0.660	1.000							
TDS	0.660	0.999	1.000						
TVS	0.696	0.991	0.905	1.000					
TSS	0.039	0.785	0.291	0.441	1.000				
WSP	1.000	0.152	0.289	0.019	0.754	1.000			
OPSN	0.146	0.010	0.098	0.539	0.331	0.200	1.000		
TKP	0.191	0.017	0.073	0.509	0.083	0.100	0.011	1.000	
ROSN	0.078	0.060	0.118	0.108	0.177	0.747	0.220	0.188	1.000

CONFIDENTIAL - SECURITY MATTERS:

	OP	TP	PFL	CL	SCB	CPLA	C	STP	F	COL
00	1.000									
01	0.077	1.000								
02	0.713	0.223	1.000							
03	0.351	0.315	0.351	1.000						
04	0.076	0.049	0.275	0.315	1.000					
05	0.294	0.071				1.000				
06	1.000	1.000	1.000	1.000	1.000		1.000			
07	1.000	1.000	1.000	1.000	1.000			1.000		
08	1.000	1.000	1.000	1.000	1.000		1.000		1.000	
09	0.351	0.315	0.351	1.000	0.315		1.000		1.000	1.000
10	1.000	1.000	1.000	1.000	1.000		1.000		1.000	1.000

ALL STATIONS (OSW-MO + NMP-BIMO + NMP-MO)  
ALL DEPTHS JULY, 1973

STATION	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	8	0.0000	0.0000	0.0000	0.0000	0.0000
AL	8	0.2730	0.0000	0.0564	0.0000	0.0030
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.2500	0.0000	0.0413	0.0000	0.0000
BF	8	0.0160	0.0000	0.0043	0.0000	0.0000
CD	8	0.0210	0.0000	0.0060	0.0000	0.0000
CP	14	0.1400	0.0000	0.0407	0.0013	0.0056
CU	8	0.0300	0.0000	0.0128	0.0000	0.0130
FE	8	0.1600	0.0000	0.0713	0.0152	0.1273
FG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	0.3100	0.2200	0.2650	0.0021	0.0030
MG	14	11.6000	8.2000	9.3014	0.5023	0.7086
NR	8	0.3200	0.0000	0.1375	0.0005	0.0010
PA	13	13.9000	0.0000	11.7023	3.4008	1.8441
PI	8	0.0800	0.0000	0.0413	0.0006	0.0253
PR	8	0.0800	0.0000	0.0100	0.0008	0.0283
SE	7	0.0000	0.0000	0.0000	0.0000	0.0000
SJ	24	0.0000	0.0000	0.2500	0.2825	0.5316
V	14	0.5000	0.0000	0.0788	0.0203	0.1424
ZR	14	0.0500	0.0000	0.0121	0.0003	0.0179

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BF	CD	CP	CU	FE	FG
AG	1.000									
AL	1.000	1.000								
AS			1.000							
BA	1.000	-0.223		1.000						
BF	1.000	-0.369		-0.256	1.000					
CD	1.000	0.266		-0.096	0.346	1.000				
CP	1.000	-0.266		-0.049	-0.470	-0.439	1.000			
CU	1.000	-0.115		0.563	-0.109	0.123	-0.439	1.000		
FE	1.000	-0.388		0.839	-0.076	-0.118	0.204	0.255	1.000	
FG										1.000
K	1.000	-0.281		-0.090	0.134	-0.454	0.463	-0.782	0.189	
MG	1.000	-0.112		0.162	-0.259	-0.647	0.010	0.081	-0.404	
NR	1.000	0.762		-0.014	0.061	0.686	-0.307	-0.051	-0.145	
PA	1.000	-0.049		0.254	-0.215	0.152	-0.276	-0.430	0.324	
PI	1.000	-0.142		0.559	-0.400	0.401	0.203	0.330	0.451	
PR	1.000	-0.245		-0.189	0.580	0.302	0.124	-0.427	0.218	
SE	1.000	1.000		1.000	1.000	1.000	1.000	1.000	1.000	
SJ										
V	1.000	1.000		1.000	1.000	1.000	-0.655	1.000	1.000	
ZR	1.000	-0.424		-0.175	0.240	0.030	-0.107	-0.583	0.054	
	AG	AL	AS	BA	BF	CD	CP	CU	FE	FG
K										
MG	1.000									
NR	0.178	1.000								
PA	-0.193	-0.409	1.000							
PI	0.281	0.285	0.079	1.000						
PR	-0.300	-0.333	0.009	0.507	1.000					
SE	0.552	0.463	-0.202	-0.144	-0.656	1.000				
SJ	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
V										
ZR	1.000	-0.092	1.000	-0.205	1.000	1.000	1.000	1.000	1.000	
	0.300	-0.469	-0.404	-0.200	0.100	0.155	1.000		0.050	1.000



ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
ALL DEPTHS : AUGUST, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	26	8.9000	7.8000	8.3385	0.0529	0.2299
T	35	103.0000	41.9000	72.4314	119.4440	10.9290
SPC	23	370.0000	210.0000	307.8261	1767.7866	42.0451
COL	7	3.0000	5.0000	5.0000	0.0000	0.0000
TUP	30	14.0000	1.0000	4.1667	9.7299	3.1193
ALK	13	84.0000	76.0000	80.5385	5.1026	2.2589
TP	0	0.0000	0.0000	0.0000	0.0000	0.0000
FDO	36	11.7000	7.0000	8.7527	0.8528	0.9235
TRD	36	6.0000	3.0000	1.6944	1.1375	1.0642
TCOD	27	26.0000	0.0000	11.8519	57.2090	7.5635
TCOC	7	4.0000	0.0000	2.1429	1.8095	1.3452
TS	36	450.0000	190.0000	230.6389	1870.8659	43.2535
TDS	13	260.0000	105.0000	222.8923	577.5641	24.0326
TYS	13	110.0000	55.0000	80.7692	195.1923	13.9711
TCS	36	220.0000	0.0000	14.9167	1356.7071	36.8335
NR3N	23	0.2000	0.0000	0.0479	0.0062	0.0790
ORCP	17	1.1500	0.0000	0.2759	0.0712	0.2669
TRN	36	1.3500	0.0000	0.4042	0.0659	0.2567
NO3N	36	0.4500	0.0000	0.0686	0.0099	0.0993

## CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TP	FDO	TRD	TCOD
PH	1.000									
T	0.458	1.000								
SPC	0.631	0.918	1.000							
COL	1.000	1.000		1.000						
TUP	-0.026	0.099	0.211	1.000	1.000					
ALK	0.608	0.021		1.000		1.000				
TP							1.000			
FDO	-0.157	-0.172	-0.002	1.000	-0.329	-0.319		1.000		
TRD	-0.276	-0.070	0.269	1.000	0.002	0.006		0.331	1.000	
TCOD	0.314	-0.277	-0.446	1.000	0.394	-0.929		-0.012	-0.499	1.000
TCOC	-0.068	-0.775		1.000	0.669	-0.049		-0.744	-0.702	0.998
TS	-0.321	-0.082	0.248	1.000	0.569	-0.029		-0.200	0.475	0.166
TDS	-0.330	-0.050		1.000	-0.222	-0.155		-0.408	0.332	0.565
TYS	-0.526	-0.241		1.000	0.626	-0.014		-0.386	0.145	0.496
TCS	-0.482	-0.041	0.148	1.000	0.913	-0.103		-0.237	0.346	0.065
NR3N	-0.053	-0.121	1.000	1.000	-0.235	0.536		-0.295	0.022	-0.550
ORCP	-0.591	-0.088	0.071		-0.197	-0.075		-0.146	0.507	-0.018
TRN	-0.204	-0.031	-0.337	1.000	-0.317	-0.078		-0.177	0.193	-0.019
NO3N	-0.458	-0.380	-0.713	1.000	-0.181	-0.112		-0.138	0.307	-0.080

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	36	0.0200	0.0000	0.0067	0.0000	0.0063
TP	36	0.3800	0.0000	0.0425	0.0047	0.0666
PFL	13	0.1000	0.0070	0.0495	0.0009	0.0307
CL	13	44.0000	29.0000	35.9231	45.5769	6.7511
SO4	13	36.0000	28.0000	32.6154	13.4231	3.6638
CPLA	23	18.0000	0.0000	6.6609	18.9516	4.3533
CP	7	0.0000	0.0000	0.0000	0.0000	0.0000
SETP	13	4.0000	0.0000	0.3077	1.2308	1.1094
F	7	0.1000	0.1000	0.1000	0.0000	0.0000
TCOL	13	4000.0000	17.0000	586.3077	1716160.8974	1310.0232
FCOL	13	33.0000	0.0000	6.3846	123.0897	11.0946

## CORRELATION MATRIX FOLLOWS:

	OP	TP	PFL	CL	SO4	CPLA	CP	SETP	F	TCOL
OP	1.000									
TP	0.151	1.000								
PFL	-0.098	-0.271	1.000							
CL	-0.278	-0.027	0.863	1.000						
SO4	-0.356	-0.124	0.495	0.518	1.000					
CPLA	-0.267	-0.027				1.000				
CP	1.000	1.000	1.000	1.000	1.000		1.000			
SETP	0.228	0.417	0.493	0.359	0.278		1.000	1.000		
F	1.000	1.000	1.000	1.000	1.000		1.000	1.000	1.000	
TCOL	0.340	0.296	0.526	0.451	0.098		1.000	0.783	1.000	1.000
FCOL	-0.149	-0.038	0.756	0.668	0.455		1.000	0.315	1.000	0.555

FCOL

FCOL 1.000

ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
ALL DEPTHS AUGUST, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	7	0.0080	0.0000	0.0020	0.0000	0.0038
AL	7	0.0000	0.0000	0.0000	0.0000	0.0000
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	7	0.5000	0.0000	0.0714	0.0357	0.1890
BF	7	0.0100	0.0000	0.0014	0.0000	0.0038
CD	7	0.0090	0.0000	0.0024	0.0000	0.0042
CP	13	0.0300	0.0000	0.0046	0.0001	0.0088
CU	7	0.0200	0.0000	0.0057	0.0013	0.0355
FE	7	0.2800	0.0200	0.0473	0.0108	0.1041
RG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	7	1.4900	1.4400	1.4671	0.0004	0.0206
NG	0	0.0000	0.0000	0.0000	0.0000	0.0000
NP	7	0.0300	0.0000	0.0200	0.0001	0.0115
NA	13	17.8000	13.3000	15.9539	5.2610	2.2937
NI	7	0.0200	0.0000	0.0300	0.0010	0.0316
PR	7	0.0000	0.0000	0.0000	0.0000	0.0000
SF	0	0.0000	0.0000	0.0000	0.0000	0.0000
ST	30	1.0000	0.0000	0.0667	0.0644	0.2537
V	13	0.3000	0.0000	0.0462	0.0127	0.1127
ZN	6	0.0310	0.0080	0.0157	0.0001	0.0082

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BF	CD	CP	CU	FE	RG
AG	1.000									
AL	1.000	1.000								
AS			1.000							
BA	0.596	1.000		1.000						
BF	0.331	1.000		0.167	1.000					
CD	0.247	1.000		0.697	0.258	1.000				
CP	0.132	1.000		0.222	0.222	0.343	1.000			
CU	0.634	1.000		0.319	0.540	0.229	0.428	1.000		
FE	0.174	1.000		0.116	0.327	0.458	0.122	0.338	1.000	
RG										1.000
K	0.122	1.000		0.367	0.061	0.056	0.490	0.345	0.553	
NG										
NP	0.303	1.000		0.172	0.382	0.278	0.638	0.488	0.566	
NA	0.318	1.000		0.172	0.057	0.057	0.216	0.347	0.075	
NI	0.388	1.000		0.418	0.279	0.647	0.139	0.059	0.714	
PR	1.000	1.000		1.000	1.000	1.000	1.000	1.000	1.000	
SF										
ST	0.564	1.000		0.258	0.258	0.399	0.043	0.494	0.149	
V	0.331	1.000		0.167	1.000	0.258	0.234	0.550	0.327	
ZN							0.459			

	AG	AL	AS	BA	BF	CD	CP	CU	FE	RG
K	1.000									
NG		1.000								
NP	0.771		1.000							
NA	0.147		0.037	1.000						
NI	0.077		0.274	0.041	1.000					
PR	1.000		1.000	1.000	1.000	1.000				
SF							1.000			
ST	0.593		0.296	0.310	0.216	1.000		1.000		
V	0.061		0.382	0.067	0.279	1.000		0.258	1.000	
ZN				0.016				0.160		1.000

ALL STATIONS:  
(OSW-MO + NMP-BIMO + NMP MO)  
ALL DEPTHS, SEPTEMBER, 1973

PARAMETER	NO. OF SAWS	MEAN	STD.	MEAN	VARIANCE	STD. DEV.
PH	32	8.6000	7.8000	8.2421	0.0400	0.2000
T	32	86.0000	84.8000	87.0333	117.9583	10.8600
SPC	32	380.0000	216.0000	286.5000	1070.4100	44.4900
CGL	8	5.0000	5.0000	5.0000	0.0000	0.0000
TUP	32	6.0000	3.0000	3.5000	2.5000	1.7000
ALY	14	93.0000	83.0000	86.0000	9.0000	3.1000
TH	8	112.0000	117.0000	115.3750	28.5000	5.3400
FDO	36	4.0000	5.0000	7.7100	0.0000	0.7700
TROD	36	3.0000	0.0000	1.3000	0.0000	0.0000
TCOD	36	55.0000	3.0000	21.1000	147.0000	12.1000
TS	8	10.0000	4.0000	6.8750	4.1200	2.0300
TDS	36	320.0000	155.0000	215.0000	775.0000	27.7000
TVS	14	320.0000	195.0000	227.0000	1312.0000	36.3000
TSS	14	130.0000	50.0000	75.7143	387.0000	19.6000
NR3R	36	8.0000	0.0000	2.3000	2.5000	1.5800
OP3R	24	0.2000	0.0000	0.0000	0.0000	0.0000
TK	8	0.5000	0.0500	0.1000	0.0100	0.1000
NO3R	36	0.6000	0.0000	0.2700	0.0000	0.1600
NO3N	36	0.3300	0.0000	0.0750	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	CGL	TUP	ALY	TH	FDO	TROD	TCOD
PH	1.000									
T	0.653	1.000								
SPC	0.472	0.698	1.000							
CGL	1.000	1.000	1.000	1.000						
TUP	0.747	0.473	0.321	1.000	1.000					
ALY	0.747	0.449	0.641	1.000	0.274	1.000				
TH	0.125	0.012	0.830	1.000	0.043	0.273	1.000			
FDO	0.213	0.121	0.109	1.000	0.167	0.168	0.622	1.000		
TROD	0.289	0.370	0.283	1.000	0.238	0.356	0.217	0.032	1.000	
TCOD	0.161	0.198	0.041	1.000	0.155	0.057	0.405	0.096	0.025	1.000
TS	0.067	0.219	0.223	1.000	0.266	0.343	0.176	0.525	0.342	0.170
TDS	0.694	0.109	0.268	1.000	0.104	0.267	0.475	0.371	0.129	0.288
TVS	0.562	0.005	0.753	1.000	0.170	0.267	0.475	0.076	0.236	0.510
TSS	0.273	0.412	0.623	1.000	0.401	0.078	0.419	0.165	0.176	0.252
NR3R	0.230	0.320	0.421	1.000	1.000	0.258	1.000	0.151	0.194	0.283
OP3R	0.048	0.437	0.870	1.000	0.303	0.053	0.424	0.338	0.093	0.055
TK	0.565	0.336	0.002	1.000	0.470	0.059	0.424	0.157	0.090	0.310
NO3R	0.851	0.675	0.412	1.000	0.636	0.745	0.499	0.553	0.178	0.231
NO3N										
TS		TS	TDS	TVS	TSS	NR3R	OP3R	TK	NO3R	NO3N
TCOD		TS	TDS	TVS	TSS	NR3R	OP3R	TK	NO3R	NO3N
TS	1.000									
TDS	0.123	1.000	1.000							
TVS	0.123	1.000	1.000	1.000						
TSS	0.396	0.098	0.898	1.000	1.000					
NR3R	0.418	0.042	0.387	0.400	1.000	1.000				
OP3R	1.000	0.503	0.575	0.400	0.355	1.000	1.000			
TK	0.506	0.308	0.309	0.824	0.634	1.000	1.000	1.000		
NO3R	0.506	0.341	0.414	0.300	0.050	0.555	1.000	1.000	1.000	
NO3N	0.182	0.139	0.497	0.328	0.278	0.185	0.344	0.488	1.000	

PARAMETER	NO. OF SAWS	MEAN	STD.	MEAN	VARIANCE	STD. DEV.
OP	36	0.0000	0.0000	0.0000	0.0000	0.0000
TP	36	0.2700	0.0000	0.0000	0.0000	0.0000
PPL	14	0.0000	0.0000	0.0000	0.0000	0.0000
CL	14	70.0000	25.0000	28.5000	204.5000	14.3000
SO4	14	30.0000	25.0000	22.2143	17.2500	4.1500
CHIA	14	14.0000	0.0000	3.8000	15.9400	4.3500
CK	8	0.0000	0.0000	0.0000	0.0000	0.0000
SETP	14	0.0000	0.0000	0.0000	0.0000	0.0000
F	8	0.1000	0.1000	0.1000	0.0000	0.0000
TCOL	14	3947.0000	14.0000	572.2143	1030387.4000	1015.0000
TCOL	14	95.0000	0.0000	24.3500	1226.7000	35.0000

CORRELATION MATRIX FOLLOWS:

	OP	TP	PPL	CL	SO4	CHIA	CK	SETP	F	TCOL
OP	1.000									
TP	0.100	1.000								
PPL	1.000	1.000	1.000							
CL	0.284	0.368	1.000	1.000						
SO4	0.138	0.501	1.000	0.600	1.000					
CHIA	0.295	0.206				1.000				
CK	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SETP	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
F	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
TCOL	0.245	0.263	1.000	0.340	0.000	1.000	1.000	1.000	1.000	1.000
TCOL	0.100	0.365	1.000	0.304	0.000	1.000	1.000	1.000	1.000	0.613

ALL STATIONS  
(OSW-MO + NMP BIMO. + NMP MO)  
ALL DEPTHS. SEPTEMBER, 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	8	0.0120	0.0020	0.0023	0.0000	0.0042
AL	0	0.0000	0.0000	0.0000	0.0000	0.0000
AS	8	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.0000	0.0000	0.0000	0.0000	0.0000
BE	8	0.0220	0.0070	0.0134	0.0000	0.0063
CD	8	0.0670	0.0000	0.0190	0.0000	0.0237
CE	14	0.0300	0.0000	0.0096	0.0000	0.0291
CU	8	0.0900	0.0000	0.0373	0.0000	0.0297
FE	8	0.1300	0.0000	0.0075	0.0159	0.1301
EG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	1.8800	1.7700	1.8288	0.0012	0.0348
HG	8	9.0000	8.0700	8.4900	0.1304	0.3611
HT	8	0.1000	0.0000	0.0375	0.0013	0.0365
HA	14	19.0400	9.5400	12.5286	8.4282	2.9031
HZ	8	0.2000	0.0000	0.0625	0.0069	0.0829
PH	0	0.0000	0.0000	0.0000	0.0000	0.0000
SE	4	0.0000	0.0000	0.0000	0.0000	0.0000
SI	32	7.0000	0.0000	2.1250	5.7903	2.4063
V	0	0.0000	0.0000	0.0000	0.0000	0.0000
ZP	14	0.0490	0.0090	0.0194	0.0002	0.0132

## CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CE	CU	FE	EG
AG	1.000									
AL		1.000								
AS	1.000		1.000							
BA	1.000		1.000	1.000						
BE	-0.432		1.000	1.000	1.000					
CD	-0.965		1.000	1.000	-0.328	1.000				
CE	-0.465		1.000	1.000	0.000	-0.376	1.000			
CU	-0.355		1.000	1.000	-0.153	0.382	-0.089	1.000		
FE	-0.747		1.000	1.000	-0.590	0.671	0.057	0.270	1.000	
EG										1.000
K	-0.539		1.000	1.000	0.186	-0.383	0.477	0.298	-0.430	
HG							-0.689			
HT	-0.324		1.000	1.000	-0.127	-0.406	-0.391	-0.483	-0.473	
HA	-0.068		1.000	1.000	-0.602	-0.115	0.146	0.014	-0.290	
HZ	-0.118		1.000	1.000	-0.214	-0.007	0.560	-0.175	0.062	
PH										
SE	1.000		1.000	1.000	1.000	1.000	1.000	1.000	1.000	
SI	-0.306		1.000	1.000	0.337	-0.299	-0.408	-0.225	-0.364	
V										
ZP	-0.456		1.000	1.000	0.694	-0.393	-0.372	0.357	-0.515	
	AG	AS	BA	BE	CD	CE	CU	FE	EG	
	K	HG	HT	HA	HZ	PH	SE	SI	V	ZP
K	1.000									
HG	0.047	1.000								
HT	0.184	0.961	1.000							
HA	0.135		-0.403	1.000						
HZ			-0.403	0.133	1.000					
PH						1.000				
SE	1.000		1.000	1.000	1.000	1.000	1.000			
SI	0.197		0.337	-0.115	-0.399	1.000	1.000	1.000	1.000	
V										
ZP	0.460	0.250	-0.403	-0.136	-0.378	1.000	0.356		1.000	

ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
ALL DEPTHS  
OCTOBER 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	38	8.5000	7.8000	8.2132	0.0255	0.1597
T	36	76.3000	40.0000	54.4167	42.4190	6.5129
SPC	12	280.0000	220.0000	251.6667	242.4242	15.5700
COL	8	5.0000	5.0000	5.0000	0.0000	0.0000
TUP	32	20.0000	0.0000	3.0000	12.6452	3.5560
ALK	14	97.0000	84.0000	91.0000	17.6923	4.2062
TP	6	138.0000	131.0000	134.1667	6.5667	2.5626
FPO	36	10.7000	0.0000	4.5611	0.3564	0.6053
TRON	38	5.0000	0.0000	1.7105	0.8500	0.9273
TCOD	35	60.0000	2.0000	19.8857	179.6924	13.4049
TCOC	7	7.0000	4.0000	5.0000	1.3333	1.1547
TS	38	400.0000	200.0000	232.1053	2946.7994	54.2944
TSS	14	380.0000	175.0000	247.1429	5883.5165	76.7041
TVS	14	155.0000	50.0000	85.0000	1061.5385	32.5813
TSS	38	85.0000	1.0000	11.2632	243.3883	15.6009
NP3F	36	0.2000	0.0000	0.0472	0.0043	0.0654
ORCN	0	0.0000	0.0000	0.0000	0.0000	0.0000
TKN	31	1.4000	0.3000	0.5839	0.0576	0.2399
NO3N	38	0.2600	0.0000	0.0947	0.0060	0.0772

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TP	FPO	TRON	TCOD
PH	1.000									
T	0.577	1.000								
SPC	0.249	0.260	1.000							
COL	1.000	1.000		1.000						
TUP	-0.219	-0.014	-0.051	1.000	1.000					
ALK	-0.329	-0.554		1.000	-0.291	1.000				
TP	0.570	0.580		1.000	-0.156	-0.127	1.000			
FPO	-0.232	-0.363	-0.150	1.000	-0.459	-0.593	-0.520	1.000		
TRON	-0.156	-0.193	-0.129	1.000	-0.252	-0.206	0.017	0.346	1.000	
TCOD	0.416	0.401	-0.162	1.000	-0.217	-0.017	-0.015	0.026	0.096	1.000
TCOC	-0.382	-0.236		1.000	0.135	-0.678	-0.701	-0.454		-0.321
TS	-0.618	-0.375	-0.067	1.000	0.441	0.770	-0.856	-0.321	0.120	-0.080
TSS	-0.588	-0.287		1.000	-0.020	0.734	-0.708	-0.205	0.192	-0.070
TVS	-0.039	-0.106		1.000	0.150	0.407	-0.670	-0.001	-0.351	-0.447
TSS	-0.315	-0.190	-0.057	1.000	0.867	0.719	0.538	-0.386	-0.054	-0.256
NP3N	-0.631	-0.231	-0.650	1.000	0.091	0.167	0.733	-0.337	0.198	0.109
ORCN										
TKN	-0.454	-0.172	-0.212	1.000	0.120	0.354	-0.033	-0.100	0.381	-0.188
NO3N	-0.824	-0.645	-0.448	1.000	0.248	0.727	-0.568	-0.444	0.016	-0.320

	TCOC	TS	TSS	TVS	TSS	NP3N	ORCN	TKN	NO3N
TCOC	1.000								
TS	0.418	1.000							
TSS	0.261	0.993	1.000						
TVS	0.277	0.563	0.551	1.000					
TSS	-0.227	0.401	0.503	0.410	1.000				
NP3N	0.800	0.340	0.406	0.744	0.256	1.000			
ORCN							1.000		
TKN	-0.057	-0.061	-0.038	-0.124	0.127	0.363		1.000	
NO3N	0.371	0.721	0.668	0.067	0.323	0.483		-0.026	1.000

ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
ALL DEPTHS  
OCTOBER 1973

PARAMETER	NO. OF SAHP	HAX	NIN	NTAP	VARJANCP	STD. DEV.
OP	38	0.0500	0.0000	0.0137	0.0002	0.0138
TP	38	0.3000	0.0100	0.0405	0.0024	0.0488
PHL	14	0.0140	0.0000	0.0010	0.0000	0.0037
CL	14	90.0000	78.0000	46.7857	718.9505	26.8133
SO <sub>4</sub>	14	46.0000	23.0000	31.0000	51.0769	7.1488
CHLA	24	0.0000	0.6000	2.7667	2.5458	1.5956
CN	7	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	14	0.0000	0.0000	0.0000	0.0000	0.0000
F	7	0.2000	0.2000	0.2000	0.0000	0.0000
TCOL	14	960.0000	19.0000	252.8571	111866.5934	334.4646
FCOL	14	125.0000	0.0000	18.5000	1408.5769	37.5310

## CORRELATION MATRIX FOLLOWS:

	OP	TP	PHL	CL	SO <sub>4</sub>	CHLA	CN	SETR	F	TCOL
OP	1.000									
TP	0.137	1.000								
PHL	0.220	0.136	1.000							
CL	0.775	0.405	0.169	1.000						
SO <sub>4</sub>	0.722	0.337	0.201	0.953	1.000					
CHLA	0.233	0.264				1.000				
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
F									1.000	
TCOL	0.633	0.363	0.101	0.836	0.881	1.000	1.000	1.000		1.000
FCOL	0.391	0.163	0.119	0.630	0.722	1.000	1.000	1.000		0.773
FCOL										
FCOL	1.000									

## PLOT DATA?

ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
ALL DEPTHS  
OCTOBER 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	7	0.0000	0.0000	0.0000	0.0000	0.0000
AL	0	0.0000	0.0000	0.0000	0.0000	0.0000
AS	2	0.0000	0.0000	0.0030	0.0000	0.0042
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BE	7	0.0110	0.0000	0.0036	0.0000	0.0041
CD	7	0.0040	0.0000	0.0006	0.0000	0.0015
CP	7	0.0400	0.0000	0.0057	0.0007	0.0151
CU	7	0.0600	0.0000	0.0286	0.0005	0.0219
FE	8	0.1200	0.0000	0.0525	0.0015	0.0385
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	7	2.3300	2.1400	2.2343	0.0038	0.0613
MG	0	0.0000	0.0000	0.0000	0.0000	0.0000
MP	7	0.0200	0.0000	0.0043	0.0001	0.0079
NA	7	22.3000	19.8000	20.4714	0.8924	0.9321
NI	0	0.0000	0.0000	0.0000	0.0000	0.0000
PD	0	0.0000	0.0000	0.0000	0.0000	0.0000
SE	2	0.0000	0.0000	0.0000	0.0000	0.0000
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000
V	0	0.0000	0.0000	0.0000	0.0000	0.0000
ZP	7	0.0770	0.0120	0.0464	0.0005	0.0232

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CP	CU	FE	HG
AG	1.000									
AL		1.000								
AS	1.000		1.000							
BA				1.000						
BE	1.000		1.000		1.000					
CD	1.000		1.000		0.398	1.000				
CP	1.000		1.000		0.804	0.187	1.000			
CU	1.000		1.000		0.644	0.029	0.832	1.000		
FE	1.000		1.000		0.736	0.228	0.548	0.566	1.000	
HG										1.000
K	1.000		1.000		0.915	0.103	0.688	0.612	0.790	
MG										
MP	1.000		1.000		0.015	0.240	0.320	0.248	0.419	
NA	1.000		1.000		0.266	0.015	0.144	0.244	0.313	
NI										
PD										
SE	1.000				1.000	1.000	1.000	1.000	1.000	
SI										
V										
ZP	1.000		1.000		0.585	0.103	0.352	0.400	0.645	

	AG	AL	AS	BA	BE	CD	CP	CU	FE	HG
K	1.000									
MG		1.000								
MP	0.025		1.000							
NA	0.424		0.207	1.000						
NI					1.000					
PD						1.000				
SE	1.000		1.000	1.000			1.000			
SI								1.000		
V									1.000	
ZP	0.562		0.458	0.180			1.000			1.000

PLOT DATA?

**ALL STATIONS**  
**(OSW-MO + NMP-BIMO + NMP-MO)**  
**ALL DEPTHS**  
**NOVEMBER 1973**

Category 4

PARAMETER	NO. OF SAMP	HAX	HTN	HEAN	VARIANCE	STD. DEV.
PH	36	8.2000	8.6000	7.6300	0.3233	0.5686
T	36	50.4000	41.0000	45.1444	3.1991	1.7745
SPC	31	490.0000	220.0000	254.1290	3054.5161	55.2677
COL	8	5.0000	5.0000	5.0000	0.0000	0.0000
TUR	30	52.0000	0.0000	4.0667	89.5126	9.4611
ALX	14	120.0000	73.0000	94.5714	162.1099	12.9057
TH	0	0.0000	0.0000	0.0000	0.0000	0.0000
FPO	36	11.8000	9.4000	10.6056	0.2634	0.5132
TROD	36	3.0000	1.0000	2.2778	0.2635	0.5133
TCOD	34	65.0000	3.0000	10.7647	122.1551	11.3646
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TS	36	520.0000	195.0000	264.8811	4493.5518	70.6651
TDS	14	520.0000	270.0000	295.7143	7310.6213	85.5493
TYS	14	175.0000	65.0000	104.2857	899.4505	29.9908
TSS	36	260.0000	0.0000	13.6111	1872.4159	43.2407
NR3N	27	0.2000	0.0000	0.0000	0.0000	0.0000
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
TKF	19	1.1200	0.0000	0.2600	0.0534	0.2311
NO3N	36	0.3900	0.1400	0.2286	0.0030	0.0532

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUR	ALX	TH	FPO	TROD	TCOD
PH	1.000									
T	0.093	1.000								
SPC	-0.421	-0.482	1.000							
COL	1.000	1.000	1.000	1.000						
TUR	-0.309	-0.439	0.145	1.000	1.000					
ALX	-0.146	-0.319	0.022	1.000	1.000	1.000				
TH							1.000			
FPO	-0.455	-0.213	0.185	1.000	-0.027	-0.253		1.000		
TROD	-0.167	-0.199	0.387	1.000	-0.033	0.332		0.155	1.000	
TCOD	-0.108	-0.278	0.088	1.000	0.787	0.416		0.053	-0.109	1.000
TTOC										
TS	-0.314	-0.298	0.833	1.000	0.814	-0.078		0.209	0.387	0.474
TDS	-0.009	-0.064	0.995	1.000	1.000	-0.076		0.124	0.433	0.234
TYS	-0.052	-0.026	0.922	1.000	1.000	0.032		-0.122	-0.588	0.261
TSS	-0.223	-0.287	-0.005	1.000	-0.974	-0.355		-0.006	-0.049	-0.809
NR3N	-0.213	-0.020	0.680	1.000	-0.064	-0.359		0.117	0.229	-0.094
ORGN										
TKF	-0.119	-0.156	-0.372	1.000	0.023	-0.465		0.396	0.070	-0.357
NO3N	-0.255	-0.343	0.747	1.000	0.212	-0.284		0.199	0.387	-0.030
TTOC										
TS	1.000	1.000								
TDS		0.999	1.000							
TYS		0.912	0.909	1.000						
TSS		0.406	0.697	0.681	1.000					
NR3N		0.605	0.889	0.665	-0.095	1.000				
ORGN							1.000			
TKF		0.550	0.462	-0.594	0.213	0.354		1.000		
NO3N		0.640	0.740	0.562	0.067	0.188		0.287	1.000	
TTOC										
TS										
TDS										
TYS										
TSS										
NR3N										
ORGN										
TKF										
NO3N										

PARAMETER	NO. OF SAMP	HAX	HTN	HEAN	VARIANCE	STD. DEV.
OP	36	0.0900	0.0000	0.0222	0.0004	0.0195
TP	36	0.1700	0.0200	0.0522	0.0011	0.0326
PPL	14	0.0000	0.0000	0.0000	0.0000	0.0000
CL	14	126.0000	32.0000	51.9286	747.1884	27.3340
SO4	14	48.0000	23.0000	30.4286	61.3407	7.8320
CP	22	3.3000	0.0000	1.2318	0.7842	0.8742
SRTR	0	0.0000	0.0000	0.0000	0.0000	0.0000
F	14	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	14	1310.0000	18.0000	402.5000	216230.5789	465.0000
FCOL	14	69.0000	0.0000	13.4286	508.7253	22.5540

CORRELATION MATRIX FOLLOWS:

	OP	TP	PPL	CL	SO4	CP	SRTR	F	TCOL
OP	1.000								
TP	0.482	1.000							
PPL	1.000	1.000	1.000						
CL	0.877	0.904	1.000	1.000					
SO4	0.971	0.925	1.000	0.860	1.000				
CP	-0.086	0.060				1.000			
SRTR							1.000		
F	1.000	1.000	1.000	1.000	1.000			1.000	
TCOL	0.911	0.903	1.000	0.926	0.927				1.000
FCOL	0.186	0.321	1.000	0.251	0.241				0.339

FCOL

FCOL: 1.000



ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
ALL DEPTHS  
NOVEMBER 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	8	0.0000	0.0000	0.0000	0.0000	0.0000
AL	8	0.0000	0.0000	0.0000	0.0000	0.0000
AS	4	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BE	8	0.0000	0.0000	0.0000	0.0000	0.0000
CD	8	0.0120	0.0000	0.0044	0.0000	0.0000
CP	8	0.0000	0.0000	0.0000	0.0000	0.0000
CU	8	0.0400	0.0000	0.0283	0.0002	0.0130
FE	8	0.5200	0.0000	0.1750	0.0410	0.2024
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	2.4600	2.1500	2.3175	0.0102	0.1010
NG	8	2.2200	2.0000	2.1300	0.0074	0.0862
NP	8	1.0200	0.0000	0.0075	0.0001	0.0089
NA	8	2.4900	2.7500	3.1175	0.0643	0.2536
NI	8	0.0900	0.0000	0.0113	0.0010	0.0318
PD	8	0.0700	0.0000	0.0150	0.0002	0.0283
SF	4	0.0000	0.0000	0.0000	0.0000	0.0000
ST	0	0.0000	0.0000	0.0000	0.0000	0.0000
V	8	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	8	0.5000	0.0070	0.0991	0.0306	0.1748

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CP	CU	FE	HG
AG	1.000									
AL	1.000	1.000								
AS	1.000	1.000	1.000							
BA				1.000						
BE	1.000	1.000	1.000		1.000					
CD	1.000	1.000	1.000		1.000	1.000				
CP	1.000	1.000	1.000		1.000	1.000	1.000			
CU	1.000	1.000	1.000		1.000	0.442	1.000	1.000		
FE	1.000	1.000	1.000		1.000	0.253	1.000	0.148	1.000	
HG										1.000
K	1.000	1.000	1.000		1.000	-0.277	1.000	-0.204	0.668	
NG	1.000	1.000	1.000		1.000	-0.037	1.000	-0.191	0.157	
NP	1.000	1.000	1.000		1.000	-0.091	1.000	-0.155	0.908	
NA	1.000	1.000	1.000		1.000	-0.552	1.000	-0.615	0.473	
NI	1.000	1.000	1.000		1.000	0.164	1.000	-0.194	0.689	
PD	1.000	1.000	1.000		1.000	0.057	1.000	-0.291	0.484	
SF	1.000	1.000	1.000		1.000	1.000	1.000	1.000	1.000	
ST										
V	1.000	1.000	1.000		1.000	1.000	1.000	1.000	1.000	
ZN	1.000	1.000	1.000		1.000	0.835	1.000	0.407	0.357	

	AG	AL	AS	BA	BE	CD	CP	CU	FE	HG
K	1.000									
NG	0.345	1.000								
NP	0.822	0.224	1.000							
NA	0.792	0.119	0.607	1.000						
NI	0.290	0.234	0.570	0.362	1.000					
PD	0.015	0.117	0.285	0.285	0.786	1.000				
SF	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
ST										
V	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
ZN	0.189	0.227	0.286	0.245	0.175	0.026	1.000		1.000	1.000

### Category 4

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	30	8.0000	7.5000	7.8933	0.0221	0.1497
T	28	66.2000	40.5000	44.2993	20.0143	4.4737
SFC	24	260.0000	210.0000	232.0933	191.1232	13.8247
COL	4	45.0000	5.0000	15.0000	400.0000	20.0000
TUP	28	16.0000	0.0000	1.2500	10.0463	3.1696
ALX	6	92.0000	87.0000	89.5000	4.7000	2.1679
TH	0	0.0000	0.0000	0.0000	0.0000	0.0000
PDO	28	12.0000	3.2000	10.4750	0.9495	0.9740
TPOD	30	4.0000	1.0000	2.2000	0.3724	0.6103
TCOD	29	25.0000	0.0000	9.7586	44.5468	6.6743
TCOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TS	30	260.0000	170.0000	220.8333	341.5230	18.4803
TDS	6	250.0000	210.0000	229.3333	256.6667	16.0208
TVS	6	75.0000	50.0000	67.5000	137.5000	11.7260
TSS	30	75.0000	0.0000	6.4333	189.1161	13.7155
HH3N	30	0.1000	0.0000	0.0100	0.0009	0.0305
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
TEF	0	0.0000	0.0000	0.0000	0.0000	0.0000
HO3N	30	0.4100	0.2400	0.3173	0.0017	0.0409

**CORRELATION MATRIX FOLLOWS:**

	PH	T	SPC	COL	TUR	ALK	TH	PRO	PROD	TCOD
PH	1.000									
T	0.353	1.000								
SPC	0.280	0.425	1.000							
COL	1.000	1.000		1.000						
TUR	0.587	0.303	0.272	0.998	1.000					
ALK	0.100	0.402		0.977	0.990	1.000				
TH							1.000			
PRO	0.471	0.293	0.457	1.000	0.201	0.039		1.000		
PROD	0.266	0.047	0.066	0.522	0.009	0.606		0.014	1.000	
TCOD	0.138	0.037	0.071	1.000	0.231	0.124		0.041	0.249	1.000
TTOC										
TS	0.503	0.007	0.214	0.843	0.451	0.123		0.072	0.015	0.468
TDS	0.860	0.306		0.870	0.833	0.202		0.058	0.224	0.778
TVS	0.278	0.416		0.570	0.607	0.728		0.165	0.051	0.216
TSS	0.100	0.118	0.168	0.980	0.221	0.986		0.351	0.163	0.074
TF3N	0.494	0.173	0.186	1.000	0.601	0.893		0.050	0.074	0.126
ORGN										
TKR										
PO3N	0.587	0.149	0.240	0.577	0.438	0.632		0.131	0.229	0.094
	TTOC	TS	TDS	TVS	TSS	TF3N	ORGN	TKN	PO3N	
	TTOC	TS	TDS	TVS	TSS	TF3N	ORGN	TKN	PO3N	
TTOC	1.000									
TS		1.000								
TDS		0.940	1.000							
TVS		0.113	0.346	1.000						
TSS		0.083	0.097	0.571	1.000					
TF3N		0.229	0.081	0.495	0.014	1.000				
ORGN							1.000			
TKN								1.000		
PO3N		0.315	0.045	0.940	0.066	0.547			1.000	

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	30	0.0200	0.0000	0.0093	0.0000	0.0058
TP	30	0.0700	0.0100	0.0307	0.0002	0.0155
PPL	6	0.0200	0.0000	0.0045	0.0001	0.0021
CL	6	42.0000	32.0000	38.6667	26.6667	5.1640
SO4	8	32.0000	24.0000	27.8333	8.8667	2.9269
CHLA	24	5.5000	0.0000	1.4083	1.9625	1.4009
CI	0	0.0000	0.0000	0.0000	0.0000	0.0000
SFTR	6	0.0000	0.0000	0.0000	0.0000	0.0000
F	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	6	140.0000	7.0000	51.1667	3002.9667	54.7393
FCOL	6	66.0000	0.0000	16.8333	707.7667	26.6039

**CORRELATION MATRIX FOLLOWS:**

	OP	TP	PPL	CL	SC4	CHLA	CH	SETR	F	FCOL
OP	1.000									
TP	0.300	1.000								
PPL	1.000	0.359	1.000							
CL	1.000	0.433	0.095	1.000						
SC4	1.000	0.458	0.030	0.882	1.000					
CHLA	0.191	0.132				1.000				
CH							1.000			
SETR	1.000	1.000	1.000	1.000	1.000			1.000		
F									1.000	
FCOL	1.000	0.228	0.312	0.820	0.540			1.000		1.000
FCOL	1.000	0.471	0.025	0.822	0.853			1.000		0.444

**FCOL**

ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
ALL DEPTHS  
DECEMBER 1973

PARAMETER	NO. OF SAHP	HAX	HIF	HFAH	VARIANCE	STD. DEV.
AG	3	0.0000	0.0020	0.0043	0.0000	0.0032
AL	0	0.0000	0.0000	0.0000	0.0000	0.0000
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BE	4	0.0000	0.0000	0.0000	0.0000	0.0000
CD	4	0.0000	0.0000	0.0000	0.0000	0.0000
CR	4	0.0500	0.0200	0.0325	0.0002	0.0150
CU	4	0.1500	0.0100	0.0850	0.0057	0.0755
FE	4	1.3000	0.1300	0.5525	0.2986	0.5465
HC	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	4	2.3400	1.7200	1.9175	0.0038	0.2894
HG	4	8.0000	7.8000	7.8750	0.0092	0.0957
HR	4	0.1800	0.0300	0.1075	0.0038	0.0618
HA	4	31.6000	27.9000	29.7750	2.5225	1.5882
HI	3	0.0400	0.0100	0.0233	0.0002	0.0153
PB	0	0.0000	0.0000	0.0000	0.0000	0.0000
SE	4	0.0000	0.0000	0.0000	0.0000	0.0000
SI	0	0.0000	0.0000	0.0000	0.0000	0.0000
V	4	0.0000	0.0000	0.0000	0.0000	0.0000
ZP	4	0.0710	0.0380	0.0548	0.0003	0.0177

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BE					1.000					
CD						1.000				
CR							1.000			
CU								1.000		
FE									1.000	
HG										1.000
K										
HG										
HR										
HA										
HI										
PB										
SE										
SI										
V										
ZP										

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
K										
HG										
HR										
HA										
HI										
PB										
SE										
SI										
V										
ZP										

ALL STATIONS  
(OSW-MO+NMP-BIMO+NMP-MO)  
SURFACE  
ALL YEAR  
1973

PARAMETER	NO. OF SAMP	MAX	MIN.	MEAN	VARIANCE	STD. DEV.
PH	111	9.1000	6.7000	8.2495	0.1820	0.4266
T	114	86.0000	40.9000	60.4114	166.9527	12.9213
SPC	102	450.0000	30.0000	289.5294	3447.5199	58.7156
COL	16	10.0000	5.0000	6.5625	5.7272	2.3936
TUR	104	22.0000	0.0000	3.2500	9.7662	2.9608
ALK	38	112.0000	78.0000	99.1316	54.5498	7.3858
TH	9	157.0000	127.0000	143.7778	78.9444	8.8851
FOO	110	13.0000	7.1000	9.7873	2.3239	1.4216
T800	111	6.0000	0.0000	1.9620	0.9088	0.9533
TC00	111	60.0000	0.0000	12.6486	112.9118	10.5836
TT0C	10	10.0000	1.0000	5.7600	11.3444	3.3682
TS	116	380.0000	170.0000	237.6293	1868.4092	43.2251
TDS	44	360.0000	185.0000	262.7273	2655.2262	51.5289
TVS	30	155.0000	15.0000	83.1667	862.9023	29.3752
TSS	116	26.0000	0.0000	4.1207	19.4288	4.4078
NH3N	73	0.7000	0.0000	0.3425	0.3103	0.1013
ORGAN	28	0.6500	0.0000	0.2596	0.3428	0.2069
TKN	94	1.0400	0.0000	0.4210	0.0677	0.2601
NO3N	116	0.3800	0.0000	0.1120	0.0118	0.1085

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUR	ALK	TH	FOO	T800	TC00
PH	1.000									
T	0.672	1.000								
SPC	0.261	0.507	1.000							
COL	-0.400	-0.374	0.321	1.000						
TUR	0.282	0.305	0.455	0.378	1.000					
ALK	-0.290	-0.428	-0.194	0.030	0.033	1.000				
TH	0.319	0.200	-0.210	-0.617	-0.407	-0.335	1.000			
FOO	-0.208	-0.474	-0.099	0.433	0.107	0.485	-0.918	1.000		
T800	-0.026	-0.055	-0.018	-0.177	0.175	0.353	-0.042	0.465	1.000	
TC00	0.067	0.180	-0.061	-0.295	-0.027	0.208	0.196	-0.232	0.061	1.000
TT0C	0.347	0.178	-0.451	-0.518	0.242	-0.487	0.881	-0.375	0.569	0.101
TS	-0.074	-0.084	0.429	0.204	0.419	0.371	-0.131	0.428	0.206	-0.160
TDS	-0.034	-0.228	0.239	0.205	0.212	0.379	-0.035	0.486	0.308	0.036
TVS	0.202	0.139	-0.193	-0.516	0.181	0.245	0.020	0.205	0.175	0.425
TSS	-0.003	-0.008	0.186	-0.089	0.116	-0.111	-0.427	-0.085	-0.029	-0.091
NH3N	0.112	0.167	0.227	-0.327	0.116	-0.223	-0.250	0.002	-0.105	-0.110
ORGAN	-0.263	-0.473	-0.275	0.266	-0.245	0.415	0.487	0.699	0.438	0.180
TKN	0.109	-0.128	0.130	-0.097	0.211	0.174	0.277	0.407	0.175	-0.011
NO3N	-0.590	-0.794	-0.378	0.155	-0.248	0.514	0.377	0.417	0.159	-0.233
	TT0C	TS	TDS	TVS	TSS	NH3N	ORGAN	TKN	NO3N	
	TT0C	TS	TDS	TVS	TSS	NH3N	ORGAN	TKN	NO3N	
TT0C	1.000									
TS	-0.490	1.000								
TDS	-0.459	0.991	1.000							
TVS	-0.001	0.275	0.253	1.000						
TSS	-0.104	0.192	-0.107	0.310	1.000					
NH3N	-0.352	0.145	0.042	0.288	0.134	1.000				
ORGAN	-0.875	0.529	0.575	-0.266	-0.183	-0.112	1.000			
TKN	-0.340	0.233	0.330	-0.233	0.011	0.268	0.833	1.000		
NO3N	-0.340	0.227	0.447	-0.001	0.339	-0.156	0.408	-0.012	1.000	

ALL STATIONS  
(OSW-MO+NMP-BIMO+NMP-MO)  
SURFACE  
ALL YEAR  
1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	116	0.6500	0.0000	0.0082	0.0001	0.0106
TP	116	0.5700	0.0000	0.0459	0.0046	0.0675
PHL	30	0.6940	0.0000	0.0212	0.0009	0.0297
CL	38	85.0000	26.0000	41.5789	250.6828	15.8330
SO4	30	47.0000	23.0000	31.5000	36.1897	6.0158
CHLA	84	29.0000	0.0000	5.5440	32.9941	5.7460
CN	12	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	20	0.0000	0.0000	0.0000	0.0000	0.0000
F	10	0.2000	0.1000	0.1200	0.0018	0.0422
TCOL	28	3000.0000	0.0000	275.7857	366389.5079	605.3012
FCOL	26	55.0000	0.0000	17.3846	830.0862	28.8112

## CORRELATION MATRIX FOLLOWS:

	OP	TP	PHL	CL	SO4	CHLA	CN	SETR	F	TCOL
OP	1.000									
TP	0.030	1.000								
PHL	-0.210	0.044	1.000							
CL	0.460	0.083	-0.087	1.000						
SO4	-0.186	-0.104	-0.245	0.254	1.000					
CHLA	-0.185	0.248		0.527		1.000				
CN	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SETR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
F	0.688	-0.052	-0.348	-0.091	-0.434	1.000	1.000	1.000	1.000	
TCOL	0.169	0.157	0.058	0.307	0.128	1.000	1.000	1.000	0.032	1.000
FCOL	0.367	0.301	-0.058	0.683	0.336	1.000	1.000	1.000	0.735	0.298
FCOL										
FCOL	1.000									

ALL STATIONS  
(OSW-MO+NMP-BIMO+NMP-MO)  
SURFACE  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	12	0.0080	0.0000	0.0037	0.0000	0.0023
AL	14	0.1000	0.0000	0.0122	0.0010	0.0316
AS	5	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.3300	0.0000	0.1938	0.0172	0.1313
BE	20	0.0220	0.0000	0.0041	0.0001	0.0071
CD	20	0.0230	0.0000	0.0025	0.0000	0.0056
CR	28	0.5000	0.0000	0.0477	0.0098	0.0990
CU	20	0.3600	0.0000	0.0790	0.0146	0.1207
FE	20	1.0000	0.0000	0.1656	0.0509	0.2235
HG	6	0.0000	0.0000	0.0000	0.0000	0.0000
K	20	2.3500	1.3200	1.8620	0.1290	0.3591
MG	20	11.6000	6.6700	8.4590	1.3095	1.1443
MN	14	0.1400	0.0000	0.0321	0.0028	0.0529
NA	26	28.2000	9.0000	16.1142	32.9853	5.7433
NI	18	0.1500	0.0000	0.0339	0.0023	0.0479
PB	16	0.1200	0.0000	0.0238	0.0015	0.0390
SE	5	0.0000	0.0000	0.0000	0.0000	0.0000
SI	56	7.0000	0.0000	0.6071	2.5338	1.5918
V	18	0.3000	0.0000	0.0667	0.0141	0.1188
ZN	26	0.6380	0.0000	0.0363	0.0153	0.1236

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
AG	1.000									
AL	-0.214	1.000								
AS	1.000	1.000	1.000							
BA	-0.319	0.492	1.000	1.000						
BE	-0.183	-0.077	1.000	-0.461	1.000					
CD	-0.152	-0.205	1.000	0.322	-0.266	1.000				
CR	-0.108	-0.224	1.000	-0.452	0.414	-0.142	1.000			
CU	-0.293	-0.144	1.000	0.790	0.360	-0.230	-0.152	1.000		
FE	0.278	-0.119	1.000	0.489	0.363	-0.054	0.033	0.436	1.000	
HG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
K	-0.554	0.510	1.000	0.811	-0.170	0.288	-0.040	-0.279	-0.241	1.000
MG	1.000	0.367	1.000	-0.251	-0.076	0.363	-0.023	-0.541	0.062	1.000
MN	-0.042	0.681	1.000	0.675	0.010	-0.165	-0.039	0.437	0.457	1.000
NA	-0.105	0.320	1.000	0.715	-0.207	0.519	-0.231	-0.082	-0.051	1.000
NI	-0.290	0.191	1.000	0.006	0.294	0.070	0.038	0.079	0.134	1.000
PB	-0.143	-0.278	1.000	1.000	0.338	-0.041	0.003	0.453	-0.123	1.000
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	0.632	-0.316	1.000	0.009	-0.000	0.527	-0.322	-0.340	0.424	1.000
V	1.000	-0.135	1.000	1.000	-0.210	0.516	0.010	0.184	-0.046	1.000

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
ZN	1.000	-0.140	1.000	-0.777	-0.152	0.334	-0.093	-0.158	-0.099	1.000
	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG	0.582	1.000								
MN	0.376	0.735	1.000							
NA	0.258	0.151	-0.020	1.000						
NI	0.212	0.330	0.131	-0.030	1.000					
PB	-0.141	-0.265	-0.465	0.179	0.204	1.000				
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SI	-0.018	0.617	-0.128	0.108	-0.147	-0.498		1.000		
V	-0.067	0.095	-0.248	0.332	0.499	1.000		-0.333	1.000	
ZN	-0.108	0.010	-0.236	0.354	-0.236	0.295	1.000	-0.219	0.476	1.000

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	54	8.9000	7.6000	8.1204	0.1730	0.4159
T	57	77.8000	41.5000	57.0000	153.7243	12.3986
SFC	51	370.0000	210.0000	284.7547	2362.8235	48.6089
COL	8	10.0000	0.0000	5.6250	10.7679	3.2043
TUR	51	37.0000	0.0000	5.5744	45.2370	6.7258
ALX	19	106.0000	6.0000	86.4737	454.0409	21.3082
TH	5	155.0000	136.0000	146.4000	70.3000	8.3845
FRO	55	13.4000	6.4000	9.6618	7.8283	1.6818
TROD	55	4.0000	1.0000	1.7455	0.6747	0.8214
TCOD	56	50.0000	0.0000	13.8921	127.8724	11.3081
TCOC	5	9.0000	3.0000	5.2000	5.7000	2.3875
TS	57	452.0000	190.0000	253.5614	4273.6792	64.9898
TDS	22	370.0000	130.0000	256.8187	3734.6320	61.1116
TVS	15	125.0000	55.0000	89.0000	397.3420	19.9284
TSS	57	220.0000	1.0000	19.5082	1585.4330	39.8175
HR3H	40	0.7000	0.0000	0.0500	0.0157	0.1257
ORCH	15	1.1500	0.0000	0.5007	0.1631	0.4038
TEK	46	1.3500	0.0000	0.5270	0.3509	0.3883
RO3H	57	0.4500	0.0000	0.1461	0.0162	0.1277

**CORRELATION MATRIX FOLLOWS:**

	PH	T	SPC	COL	TUR	ALX	TH	FPO	TBOD	TCOD
PH	1.000									
T	0.580	1.000								
SPC	0.204	0.587	1.000							
COL	0.074	0.227	0.453	1.000						
TUR	0.180	0.092	0.136	0.010	1.000					
ALX	0.103	0.017	0.290	0.599	0.735	1.000				
TH	0.122	0.243	0.569	0.098	0.071	0.157	1.000			
FPO	0.141	0.607	0.387	0.832	0.290	0.112	1.000	1.000		
TBOD	0.263	0.314	0.052	0.062	0.516	0.118	0.007	0.488	1.000	
TCOD	0.075	0.178	0.065	0.345	0.251	0.003	0.481	0.114	0.026	1.000
TTOC	0.695	0.271	0.434	0.132	0.070	0.462	1.000	0.232	1.000	0.029
TS	0.273	0.117	0.271	0.392	0.606	0.278	0.305	0.189	0.627	0.479
TDS	0.377	0.375	0.447	0.336	0.046	0.122	0.414	0.086	0.370	0.053
TVS	0.223	0.175	0.252	0.690	0.245	0.408	0.930	0.433	0.329	0.209
TSS	0.047	0.077	0.040	0.019	0.860	0.533	0.671	0.090	0.582	0.195
HP3N	0.030	0.228	0.396		0.156	0.113	0.989	0.247	0.032	0.021
ORGN	0.522	0.195	0.009	0.764	0.630	0.450	1.000	0.256	0.664	0.089
TKN	0.102	0.030	0.298	0.613	0.586	0.420	0.459	0.330	0.564	0.012
NO3N	0.452	0.623	0.356	0.387	0.296	0.265	0.246	0.523	0.690	0.074
	TTOC	TS	TDS	TVS	TSS	HP3N	ORGN	TKN	NO3N	
	TTOC	TS	TDS	TVS	TSS	HP3N	ORGN	TKN	NO3N	
TTOC	1.000									
TS	0.383	1.000								
TDS	0.204	0.707	1.000							
TVS	0.080	0.639	0.586	1.000						
TSS	0.472	0.694	0.035	0.283	1.000					
HP3N	0.650	0.334	0.112	0.323	0.179	1.000				
ORGN	0.989	0.578	0.106	0.106	0.667	0.052	1.000			
TKN	0.822	0.450	0.051	0.171	0.538	0.025	0.991	1.000		
NO3N	0.126	0.599	0.426	0.462	0.541	0.038	0.610	0.427	1.000	

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	57	0.0800	0.0000	0.0132	0.0003	0.0170
TP	57	0.5300	0.0100	0.0691	0.0131	0.1147
PRL	15	0.1000	0.0000	0.0213	0.0012	0.0350
CL	10	85.0000	25.0000	30.7369	271.0036	16.4600
SOL	15	47.0000	23.0000	33.4000	50.8837	7.1100
CHLA	41	37.0000	0.0000	6.1854	64.1848	8.0115
CH	6	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	10	4.0000	0.0000	0.4000	1.5000	1.2649
F	5	0.2000	0.1000	0.1200	0.0020	0.0447
TCOL	12	4000.0000	0.0000	754.1667	2259347.9697	1517.7287
PCOL	13	95.0000	0.0000	11.0000	664.5000	25.7779

**CORRELATION MATRIX FOLLOWS:**

	OP	TP	PPL	CL	SO4	CHLA	CH	SETR	F	TCOL
OP	1.000									
TP	0.508	1.000								
PPL	0.247	0.578	1.000							
CL	0.565	0.178	0.153	1.000						
SO4	0.273	0.023	0.143	0.061	1.000					
CHLA	0.704	0.735		0.654		1.000				
CH	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SETR	0.142	0.301	0.837	0.022	0.140		1.000	1.000		
F	0.172	0.309	0.391	0.272	0.384		1.000	1.000	1.000	
TCOL	0.200	0.152	0.571	0.172	0.039		1.000	0.663	0.424	1.000
CCOL	0.264	0.166	0.062	0.108	0.133		1.000	0.051	0.571	0.780

ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
DEPTHS 10 TO 30 FEET  
ALL 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	6	0.0030	0.0000	0.0005	0.0000	0.0012
AL	7	0.0300	0.0000	0.0086	0.0007	0.0146
AS	3	0.0060	0.0000	0.0020	0.0000	0.0035
BA	4	0.1700	0.0000	0.0425	0.0072	0.0850
BE	10	0.0360	0.0000	0.0072	0.0001	0.0115
CD	10	0.0210	0.0000	0.0070	0.0001	0.0087
CF	14	0.2900	0.0000	0.0443	0.0084	0.0915
CU	10	0.4100	0.0100	0.1060	0.0205	0.1432
FE	10	1.2500	0.0000	0.2020	0.1476	0.3842
HC	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	10	2.2500	1.3900	1.8700	0.1155	0.3399
MG	10	9.2700	6.6700	7.1830	0.4533	0.6733
NP	7	0.2000	0.0000	0.0429	0.0051	0.0713
NA	13	22.4000	8.9500	15.2300	18.3177	4.2799
NI	9	0.2000	0.0000	0.0389	0.0041	0.0639
PB	8	0.0850	0.0000	0.0256	0.0014	0.0377
SE	2	0.0000	0.0000	0.0000	0.0000	0.0000
SI	28	4.0000	0.0000	0.8214	1.8558	1.3623
V	9	0.1000	0.0000	0.0111	0.0011	0.0333
ZP	13	0.1100	0.0000	0.0258	0.0009	0.0293

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HC
AG	1.000									
AL	1.000	1.000								
AS	0.500	1.000	1.000							
BA	0.333	1.000	1.000	1.000						
BE	0.445	0.494	0.500	0.559	1.000					
CD	0.488	0.030	0.731	0.112	0.059	1.000				
CF	1.000	0.258	0.500	0.333	0.027	0.297	1.000			
CU	0.379	0.358	0.500	0.728	0.334	0.383	0.251	1.000		
FE	0.277	0.346	1.000	0.301	0.121	0.392	0.206	0.589	1.000	
HC	1.000	1.000		1.000	1.000	1.000	1.000	1.000	1.000	1.000
K	0.328	0.389	0.271	0.516	0.125	0.425	0.245	0.458	0.477	1.000
MG	1.000	0.033	1.000	1.000	0.501	0.385	0.071	0.654	0.098	1.000
NP	0.031	0.402	0.500	0.500	0.348	0.594	0.018	0.335	0.176	1.000
NA	0.346	0.763	0.978	0.971	0.161	0.262	0.215	0.127	0.241	1.000
NI	0.970	0.147	1.000	0.344	0.090	0.583	0.702	0.284	0.115	1.000
PB	1.000	0.162	1.000	1.000	0.090	0.602	0.582	0.864	0.592	1.000
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
V	1.000	1.000	1.000	1.000	1.000	1.000	0.111	1.000	1.000	1.000
ZP	0.495	0.765	0.984	0.999	0.727	0.336	0.090	0.478	0.276	1.000

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HC
K	1.000									
MG	0.290	1.000								
NP	0.165	0.932	1.000							
NA	0.144	0.168	0.286	1.000						
NI	0.031	0.644	0.152	0.302	1.000					
PB	0.381	0.431	0.146	0.261	0.219	1.000				
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
V	1.000	0.208	1.000	0.482	1.000	1.000	1.000	1.000	1.000	
ZP	0.033	0.175	0.216	0.412	0.242	0.191	1.000	1.000	0.198	1.000



ALL STATIONS (OSW-MO. + NMP-BIMO + NMP-MO)

Category 7

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	16	78.8000	6.8000	7.9625	0.3118	0.5584
T	15	74.0000	44.0000	51.6257	124.6577	11.2550
SPC	12	400.0000	250.0000	274.0000	5030.3636	72.0000
COL	8	10.0000	5.0000	6.2500	5.3571	2.3146
TUP	10	14.0000	0.0000	4.4000	15.7556	3.9695
ALK	10	175.0000	74.0000	70.1250	55.4500	7.4450
TR	4	175.0000	125.0000	150.2500	240.2500	15.7550
PDO	13	12.0000	7.0000	4.6538	2.0242	1.4228
TROD	14	3.0000	0.0000	1.3571	0.7000	0.8419
TCOD	14	26.0000	1.0000	2.7143	43.9121	6.6256
TS	4	24.0000	6.0000	5.7500	21.5033	4.6450
TDS	16	520.0000	150.0000	255.0000	6507.3050	81.2244
TVS	15	520.0000	125.0000	240.0000	6954.0000	83.7000
TSS	15	175.0000	35.0000	60.0000	1422.0000	37.7000
NRSE	16	60.0000	0.0000	7.1875	112.4000	10.6033
ORGN	12	0.2000	0.0000	0.0500	0.0000	0.0708
ORGN	8	1.1000	0.1000	0.5000	0.1250	0.3536
TKN	13	1.2000	0.0000	0.5554	0.1954	0.4439
NO3N	16	0.3900	0.0000	0.1575	0.0145	0.1205

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TR	PDO	TROD	TCOD
PH	1.000									
T	0.635	1.000								
SPC	0.332	0.124	1.000							
COL	0.276	0.354	0.574	1.000						
TUP	0.306	0.708	0.782	0.005	1.000					
ALK	0.302	0.550	0.407	0.585	0.375	1.000				
TR	0.381	0.984	0.220	0.129	0.498	0.024	1.000			
PDO	0.276	0.332	0.187	1.000	0.396	0.457	1.000	1.000		
TROD	0.636	0.725	0.446	0.372	0.300	0.579	0.836	0.204	1.000	
TCOD	0.310	0.386	0.216	0.080	0.332	0.277	0.087	0.028	0.509	1.000
TS	0.325	0.033	0.204	1.000	0.389	0.219	1.000	0.765	0.629	0.194
TDS	0.316	0.276	0.698	0.241	0.094	0.552	0.501	0.500	0.626	0.451
TVS	0.330	0.314	0.692	0.221	0.297	0.596	0.568	0.548	0.621	0.470
TSS	0.262	0.003	0.440	0.569	0.214	0.545	0.571	0.579	0.599	0.351
NRSE	0.117	0.367	0.698	0.155	0.866	0.243	0.434	0.433	0.008	0.262
ORGN	0.150	0.111	0.334	1.000	0.318	0.055	1.000	0.414	0.089	0.028
ORGN	0.248	0.133	0.241	0.151	0.151	0.055	1.000	0.326	0.719	0.227
TKN	0.118	0.199	0.622	0.350	0.010	0.003	0.779	0.400	0.052	0.124
NO3N	0.547	0.527	0.289	0.311	0.271	0.375	0.392	0.159	0.824	0.585
TCOD		TS	TDS	TVS	TSS	NRSE	ORGN	TKN	NO3N	
TCOD		TS	TDS	TVS	TSS	NRSE	ORGN	TKN	NO3N	
TCOD	1.000									
TS	0.961	1.000								
TDS	0.784	0.990	1.000							
TVS	0.921	0.804	0.792	1.000						
TSS	0.279	0.029	0.166	0.042	1.000					
NRSE	1.000	0.119	0.106	0.185	0.005	1.000				
ORGN	0.975	0.340	0.339	0.115	0.022	0.027	1.000			
TKN	0.912	0.452	0.461	0.114	0.117	0.071	0.975	1.000		
NO3N	0.558	0.440	0.423	0.244	0.130	0.071	0.181	0.186	1.000	

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OF	16	7.0000	0.0000	0.0144	0.0007	0.0250
CP	16	7.1700	0.0000	0.0450	0.0010	0.0420
PFL	15	7.0000	0.0000	0.0140	0.0007	0.0250
CL	16	126.0000	25.0000	30.6275	615.3025	24.8266
SCM	15	42.0000	23.0000	30.1333	49.5524	7.0303
CPM	0	0.0000	0.0000	0.0000	0.0000	0.0000
CP	5	0.0000	0.0000	0.0000	0.0000	0.0000
CP	10	0.0000	0.0000	0.0000	0.0000	0.0000
CP	4	0.1000	0.1000	0.1000	0.0000	0.0000
FCOL	13	131.0000	0.0000	102.4215	121180.2602	348.0521
FCOL	13	27.0000	0.0000	3.6154	52.9231	7.2748

CORRELATION MATRIX FOLLOWS:

	OF	CP	PFL	CL	SCM	CPM	CP	FCOL	F	FCOL
OF	1.000									
CP	0.355	1.000								
PFL	0.167	0.072	1.000							
CL	0.640	0.530	0.082	1.000						
SCM	0.714	0.500	0.227	0.600	1.000					
CPM	1.000	1.000	1.000	1.000	1.000	1.000				
CP	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
FCOL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
F	0.955	0.711	0.157	0.954	0.802	0.802	1.000	1.000	1.000	1.000
FCOL	0.240	0.030	0.222	0.150	0.050	0.050	1.000	1.000	1.000	0.046
FCOL										
FCOL	1.000									

ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
DEPTHS 40 TO 50 FEET  
ALL YEAR 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	5	0.0040	0.0000	0.0014	0.0000	0.0019
AL	7	0.0360	0.0000	0.0051	0.0002	0.0136
AS	2	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.1300	0.0000	0.0325	0.0042	0.0650
BE	9	0.0070	0.0000	0.0017	0.0000	0.0027
CD	9	0.0100	0.0000	0.0011	0.0000	0.0033
CR	12	0.2300	0.0000	0.0418	0.0053	0.0730
CU	9	0.3600	0.0000	0.0267	0.0175	0.1323
FE	10	0.7300	0.0000	0.1510	0.0479	0.2189
HG	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	9	2.3700	1.3500	1.8022	0.1564	0.3954
HG	10	10.1000	6.5700	8.4050	1.1907	1.0965
RA	6	0.2700	0.0000	0.0667	0.0105	0.1025
RA	12	22.4000	0.0000	14.1200	20.4718	4.5246
RI	9	0.1300	0.0000	0.0322	0.0020	0.0449
PD	8	0.1300	0.0000	0.0263	0.0025	0.0504
SE	2	0.0000	0.0000	0.0000	0.0000	0.0000
SI	4	7.0000	0.0000	2.2500	10.2500	3.2016
V	9	0.5000	0.0000	0.0889	0.0336	0.1833
ZH	12	0.1680	0.0000	0.0252	0.0022	0.0470

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
AG	1.000									
AL	0.333	1.000								
AS	1.000	1.000	1.000							
BA	0.566	0.500	1.000	1.000						
BE	0.450	0.167	1.000	0.333	1.000					
CD	0.401	0.167	1.000	1.000	0.232	1.000				
CR	0.566	0.878	1.000	1.000	0.043	1.000	1.000			
CU	0.713	0.264	1.000	0.830	0.204	0.047	0.168	1.000		
FE	0.343	0.264	1.000	0.420	0.071	0.253	0.254	0.695	1.000	
HG	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
K	0.987	0.374	1.000	0.634	0.316	0.491	0.421	0.297	0.468	1.000
HG	1.000	0.643	1.000	1.000	0.073	0.098	0.044	0.823	0.668	1.000
RA	0.319	0.176	1.000	0.982	0.018	0.972	0.093	0.853	0.251	1.000
RA	0.236	0.270	1.000	0.654	0.250	0.533	0.454	0.007	0.245	1.000
PD	0.532	0.106	1.000	0.245	0.172	0.127	0.357	0.630	0.091	1.000
SE	0.333	0.249	1.000	1.000	0.300	0.832	0.240	0.232	0.280	1.000
SI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SI	0.971	1.000	1.000	1.000	0.260	0.992	1.000	0.890	0.414	1.000
V	1.000	0.200	1.000	1.000	0.240	1.000	0.769	0.227	0.266	1.000
ZH	0.213	0.280	1.000	0.920	0.293	0.050	0.235	0.363	0.360	1.000
	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
K	1.000									
HG	0.973	1.000								
RA	0.424	0.521	1.000							
BE	0.379	0.370	0.432	1.000						
CD	0.298	0.510	0.540	0.351	1.000					
CR	0.261	0.253	0.275	0.267	0.250	1.000				
CU	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
FE	0.634	1.000	0.186	0.301	0.210	0.991	1.000	1.000		
SI	0.000	0.240	0.775	0.020	0.300	0.167	1.000	1.000	1.000	
ZH	0.100	0.300	0.500	0.500	0.300	0.200	1.000	0.400	0.300	1.000

Category 7a  
ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO) DEPTHS 55 TO 65 FEET  
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	38	0.9000	0.8000	0.8105	0.0606	0.2438
T	42	72.0000	41.5000	52.7167	115.3007	10.7392
SPC	38	310.0000	200.0000	247.7105	1136.8500	33.7174
COL	0	0.0000	0.0000	0.0000	0.0000	0.0000
TUR	41	52.0000	0.0000	6.4146	110.6799	10.9407
ALK	3	95.0000	92.0000	93.6667	2.3333	1.5275
TP	0	0.0000	0.0000	0.0000	0.0000	0.0000
FDO	42	13.8000	5.0000	8.9214	3.4280	1.8518
TROD	41	5.0000	1.0000	1.6049	0.6430	0.8024
TCOD	40	65.0000	1.0000	12.4250	155.8317	12.4857
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TS	41	470.0000	165.0000	231.7561	1947.8900	42.9299
TDS	6	355.0000	230.0000	267.0000	2044.0000	45.2105
TYS	0	0.0000	0.0000	0.0000	0.0000	0.0000
TSS	41	260.0000	0.0000	16.1951	1866.5110	43.2031
NP3N	26	0.9000	0.0000	0.0462	0.0327	0.1794
OPGN	7	0.7000	0.0000	0.2929	0.0917	0.2849
TKN	33	1.1200	0.0000	0.4642	0.0948	0.3079
RO3N	41	0.3300	0.0000	0.1505	0.0123	0.1107

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUR	ALK	TP	FDO	TROD	TCOD
PH	1.000									
T	0.551	1.000								
SPC	0.340	0.841	1.000							
COL				1.000						
TUR	0.424	0.084	0.116		1.000					
ALK	0.945	0.445	0.327		1.000	1.000				
TP							1.000			
FDO	0.117	0.593	0.498		0.195	0.610		1.000		
TROD	0.043	0.262	0.136		0.070	0.756		0.496	1.000	
TCOD	0.042	0.201	0.225		0.433	0.590		0.244	0.099	1.000
TTOC										
TS	0.239	0.161	0.036		0.669	0.849		0.466	0.322	0.407
TDS	0.664	0.713	0.767		0.081	0.693		0.737	0.693	0.126
TYS										
TSS	0.010	0.069	0.064		0.703	0.230		0.023	0.028	0.582
NP3N	0.551	0.284	0.139		0.029	0.189		0.088	0.141	0.179
OPGN	0.997	0.939	0.802		0.624	0.839		0.925	0.352	0.270
TKN	0.313	0.284	0.286		0.390	0.845		0.535	0.455	0.128
RO3N	0.536	0.244	0.635		0.067	0.756		0.499	0.209	0.254
TTOC										
TS										
TDS										
TYS										
TSS										
NP3N										
OPGN										
TKN										
RO3N										
TTOC	1.000									
TS		1.000								
TDS		0.967	1.000							
TYS				1.000						
TSS		0.686	0.433		1.000					
NP3N		0.151	0.839		0.082	1.000				
OPGN		0.359	0.974		0.399	0.397	1.000			
TKN		0.401	0.587		0.044	0.106	0.973	1.000		
RO3N		0.135	0.700		0.081	0.228	0.922	0.177	1.000	

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	41	0.0700	0.0000	0.0112	0.0001	0.0121
TP	41	0.9100	0.0000	0.0593	0.0200	0.1415
PHL	0	0.0000	0.0000	0.0000	0.0000	0.0000
CL	3	78.0000	24.0000	25.6667	4.3333	2.0817
SO4	0	0.0000	0.0000	0.0000	0.0000	0.0000
CPLA	41	45.0000	0.0000	3.6634	75.4284	8.6848
CP	0	0.0000	0.0000	0.0000	0.0000	0.0000
SFTR	0	0.0000	0.0000	0.0000	0.0000	0.0000
F	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000
FCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	OP	TP	PHL	CL	SO4	CPLA	CP	SFTR	F	TCOL
OP	1.000									
TP	0.102	1.000								
PHL			1.000							
CL	1.000	0.364		1.000						
SO4					1.000					
CPLA	0.196	0.067		0.721		1.000				
CP							1.000			
SFTR								1.000		
F									1.000	
TCOL										1.000
FCOL										

ALL STATIONS  
(OSW-MO + NMP-BIMO + NMP-MO)  
DEPTHS 55 TO 65 FEET  
ALL YEAR 1973

PARAMETER	NO. OF SAHP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	0	0.0000	0.0000	0.0000	0.0000	0.0000
AL	0	0.0000	0.0000	0.0000	0.0000	0.0000
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	0	0.0000	0.0000	0.0000	0.0000	0.0000
BE	0	0.0000	0.0000	0.0000	0.0000	0.0000
CD	0	0.0000	0.0000	0.0000	0.0000	0.0000
CR	0	0.0000	0.0000	0.0000	0.0000	0.0000
CU	0	0.0000	0.0000	0.0000	0.0000	0.0000
FE	0	0.0000	0.0000	0.0000	0.0000	0.0000
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	0	0.0000	0.0000	0.0000	0.0000	0.0000
HS	0	0.0000	0.0000	0.0000	0.0000	0.0000
HP	0	0.0000	0.0000	0.0000	0.0000	0.0000
HA	0	0.0000	0.0000	0.0000	0.0000	0.0000
HI	0	0.0000	0.0000	0.0000	0.0000	0.0000
PD	0	0.0000	0.0000	0.0000	0.0000	0.0000
SE	0	0.0000	0.0000	0.0000	0.0000	0.0000
SI	24	0.0000	0.0000	0.7500	2.9783	1.7258
V	0	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	0	0.0000	0.0000	0.0000	0.0000	0.0000

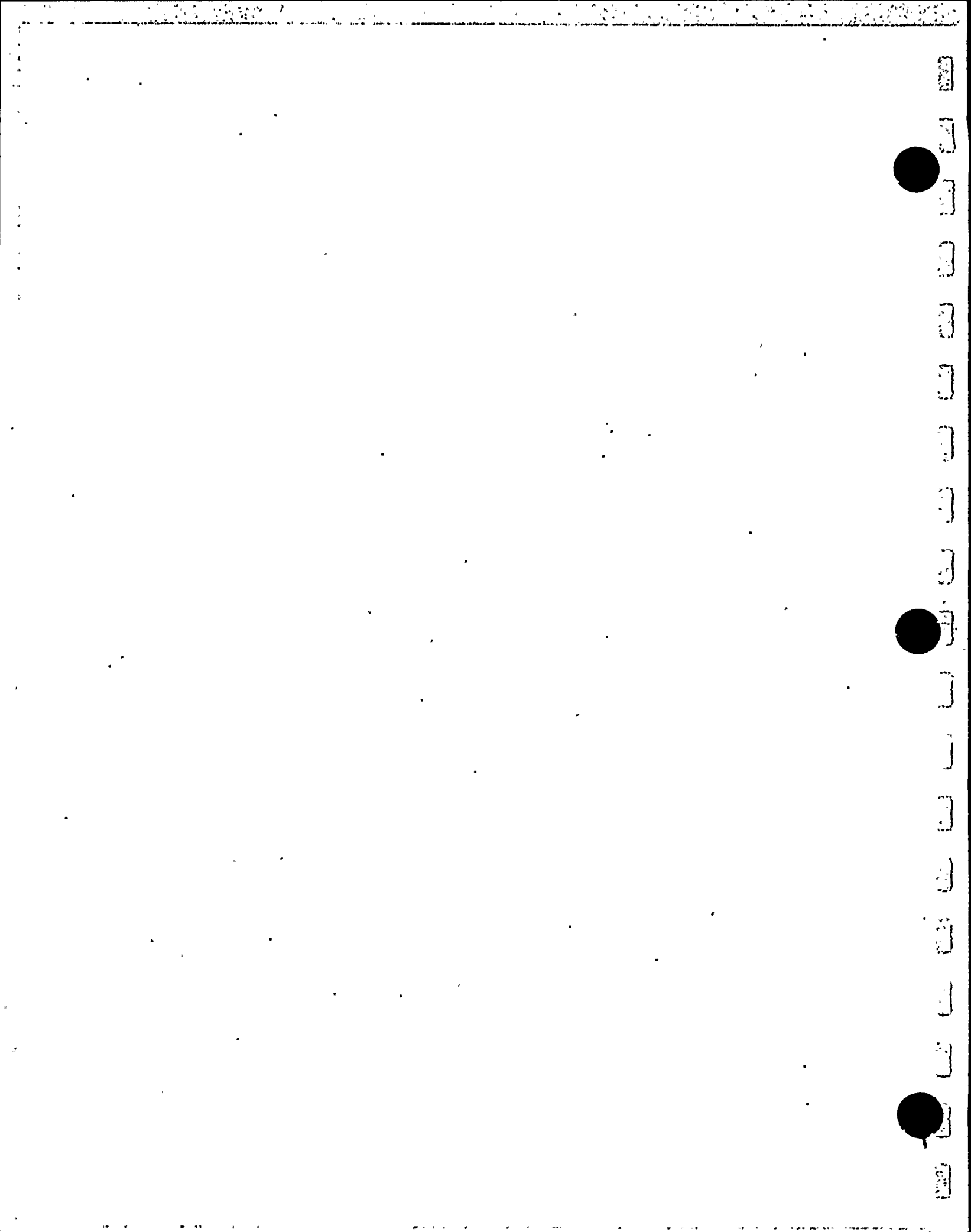
CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BE					1.000					
CD						1.000				
CR							1.000			
CU								1.000		
FE									1.000	
HG										1.000
K										
HS										
HP										
HA										
HI										
PD										
SE										
SI										
V										
ZN										
K										
HS										
HP										
HA										
HI										
PD										
SE										
SI										
V										
ZN										

PLOT DATA?

APPENDIX VII-C

OLM LABORATORIES, INC., ANALYTICAL PROCEDURES



OLM LABORATORIES, INC., CHEMICAL ANALYSES

PARAMETER	LABORATORY METHOD	REF.	OLM INSTRUMENT
Acidity	Electrometric Titration	ASTM p. 148	Beckman SS - 2 pH Meter
Alkalinity	Electronic Titration	SM p. 370	Beckman SS - 2 pH Meter
Ar senic	Digestion-Silver diethyldithio-carbonate Colorimetric	SM p. 62	B & L Spectronic 20
Bacteria, fecal coliform	Membrane Filter Technique	SM p. 684	-
Bacteria, total coliform	Membrane Filter Technique	SM p. 679	-
Boron	Curcumin Colorimetric	SM p. 69	B & L Spectronic 20
Bromide	Iodide-Iodate Titrimetric	ASTM p. 216	-
Carbon Dioxide	(see alkalinity)	-	-
Carbon, Total Inorganic	Combustion Infrared Method	EPA p. 221 SM p. 257	Beckman Model No. IR 215A
Carbon, Total Organic	Combustion Infrared Method	EPA p. 221 SM p. 257	Beckman Model No. IR 215A
Chloride	Titrimetric - mercuric nitrate	SM p. 97	-
Chlorine residuals	Amperometric Titration	SM p. 112	Wallace & Tiernan Titration
Chlorophyll	Trichromatic Colorimetric	EPA Biological p. 14	B & L Spectronic 20
Chromium, hexavalent	Diphenylcarbazide Colorimetric	SM p. 429	B & L Spectronic 20
Color	Color Comparison	SM p. 160	Nessler Tubes
Cyanide	Distillation - Pyridine Pyrazolone (I)	EPA p. 47 SM p. 397	B & L Spectronic 20

OLM LABORATORIES INC., CHEMICAL ANALYSES Cont'd

PARAMETER	LABORATORY METHOD	REF.	OLM INSTRUMENT
-	Distillation-Silver Nitrate (II) Titration	SM p. 402	-
Flouride	Distillation-Electrode Method	SM p. 171	Orion Specific Ion Meter Model 407A
Hardness	Calculation from AAS (I)	SM p. 179	Perkin Elmer Model 103 Atomic Absorption Spectrophotometer
-	Titrimetric-EDTA (II)	SM p. 179	-
Iodide	(see bromide)	-	-
Nitrogen, Ammonia	Distillation-Nesslerization Colorimetric (I)	EPA p. 134	B & L Spectronic 20
-	Distillation-Probe (II)	EPA Communication	Orion NH <sub>3</sub> Probe
-	Distillation-Titrimetric (III)	EPA P. 134	-
Nitrogen, Nitrate	Cadmium Reduction-Colorimetric (I)	EPA p. 175 SM p. 458	B & L Spectronic 20
-	Brucine Sulfate Colorimetric (II)	SM p. 461	B & L Spectronic 20
Nitrogen, Nitrite	Colorimetric diazotization	EPA p. 195	B & L Spectronic 20
Nitrogen, Organic	Calculated: Kjeldahl-Ammonia	EPA p. 155	-
Nitrogen, Total Kjeldahl	Digestion & Distillation - Nesslerization Colorimetric	SM p. 469	B & L Spectronic 20
Oil & Grease	Liquid - liquid extraction with Trichlorotrifluoroethane	SM p. 254	Analytical Balance
Oxygen, Dissolved	Titrimetric - Modified Winkler	EPA p. 53 SM p. 477	-



OLM LABORATORIES INC., CHEMICAL ANALYSES Cont'd

PARAMETER	LABORATORY METHOD	REF.	OLM INSTRUMENT
Oxygen Demand, Biological	Incubation-Titrimetric- Modified Winkler	SM p. 489	-
Oxygen Demand, Chemical	Dichromate Reflux Titrimetric	SM p. 495	-
pH	Glass Electrode	SM p. 276	Beckman SS - 2 pH Meter
Phenols	Colorimetric - 4AAP	SM p. 502	B & L Spectronic 20
Phosphorus, Orthophosphate	Colorimetric - Single Reagent (I)	EPA p. 235	B & L Spectronic 20
-	Colorimetric - Stannous Chloride (II)	SM p. 530 EPA p. 259	B & L Spectronic 20
Phosphorus, Hydrolyzable	Acid Digestion Colorimetric- orthophosphate	EPA p. 243	B & L Spectronic 20
Phosphorus, Total	Persulfate Digestion Colorimetric- orthophosphate	EPA p. 243	B & L Spectronic 20
Silica	Molybdsilicate Colorimetric	SM p. 303	B & L Spectronic 20
SOLIDS	-	-	-
Settleable	Imhoff Cone, by volume	SM p. 539	-
Suspended	Glass Fiber Filtrations 103-105°	EPA p. 278 SM p. 537	Analytical Balance
Total	Gravimetric, 105°C	SM p. 535 EPA p. 280	Analytical Balance
Total dissolved	Glass Fiber Filtration 180°C	EPA p. 275	Analytical Balance
Total volatile	Gravimetric, 550°C	EPA p. 282 SM p. 536	Analytical Balance
Volatile suspended	Glass Fiber Filtration 550°C	SM p. 538	Analytical Balance

OLM LABORATORIES INC., CHEMICAL ANALYSES Cont'd

PARAMETER	LABORATORY METHOD	REF.	QLM INSTRUMENT
Specific Conductance	Wheatstone Bridge	SM p. 323	Conductivity Meter
Sulfur, Sulfate	Turbidimetric	SM p. 334	B & L Spectronic 20
Sulfur, Sulfide	Titrimetric - Iodide	SM p. 552	-
Sulfur, Sulfite	Titrimetric: Iodide - Iodate	ASTM p. 261 SM p. 337	-
Surfactants	Colorimetric-Methylene Blue	SM p. 339	B & L Spectronic 20
Turbidity	Turbidimeter	EPA p. 308 SM p. 350	HACH Turbidimeter 2100A

References: Standard Methods for the Examination of Water and Waste Water (SM), 13th ed.

Annual Book of Standards, Part 23, "Water, Atmospheric Analysis, (ASTM)", page numbers from 1972 edition.

Methods for Chemical Analysis of Water and Wastes, (EPA), 1971.

Biological Field and Laboratory Methods (EPA), 1973.

OLM LABORATORIES INC., METAL ANALYSES

METALS	LABORATORY METHOD	REF.	OLM INSTRUMENT
Aluminum*	Atomic Absorption	Perkin Elmer Handbook	Perkin Elmer Model 103AAS
Antimony*	do	do	do
Barium*	do	do	do
Beryllium*	do	do	do
Cadmium*	do	do	do
Calcium*	Flame Photometry, AA	do	do
Chromium*	Atomic Absorption	do	do
Cobalt*	do	do	do
Copper*	do	do	do
Iron*	do	do	do
Lead*	do	do	do
Magnesium*	do	do	do
Manganese*	do	do	do
Mercury	Flameless AA	do	do - Also use Perkin Elmer Mercury Analyzer Attachment
Molybdenum*	Atomic Absorption	do	do
Nickel*	do	do	do
Potassium*	Flame Photometry, AA	do	do

QLM LABORATORIES INC., METAL ANALYSES Cont'd

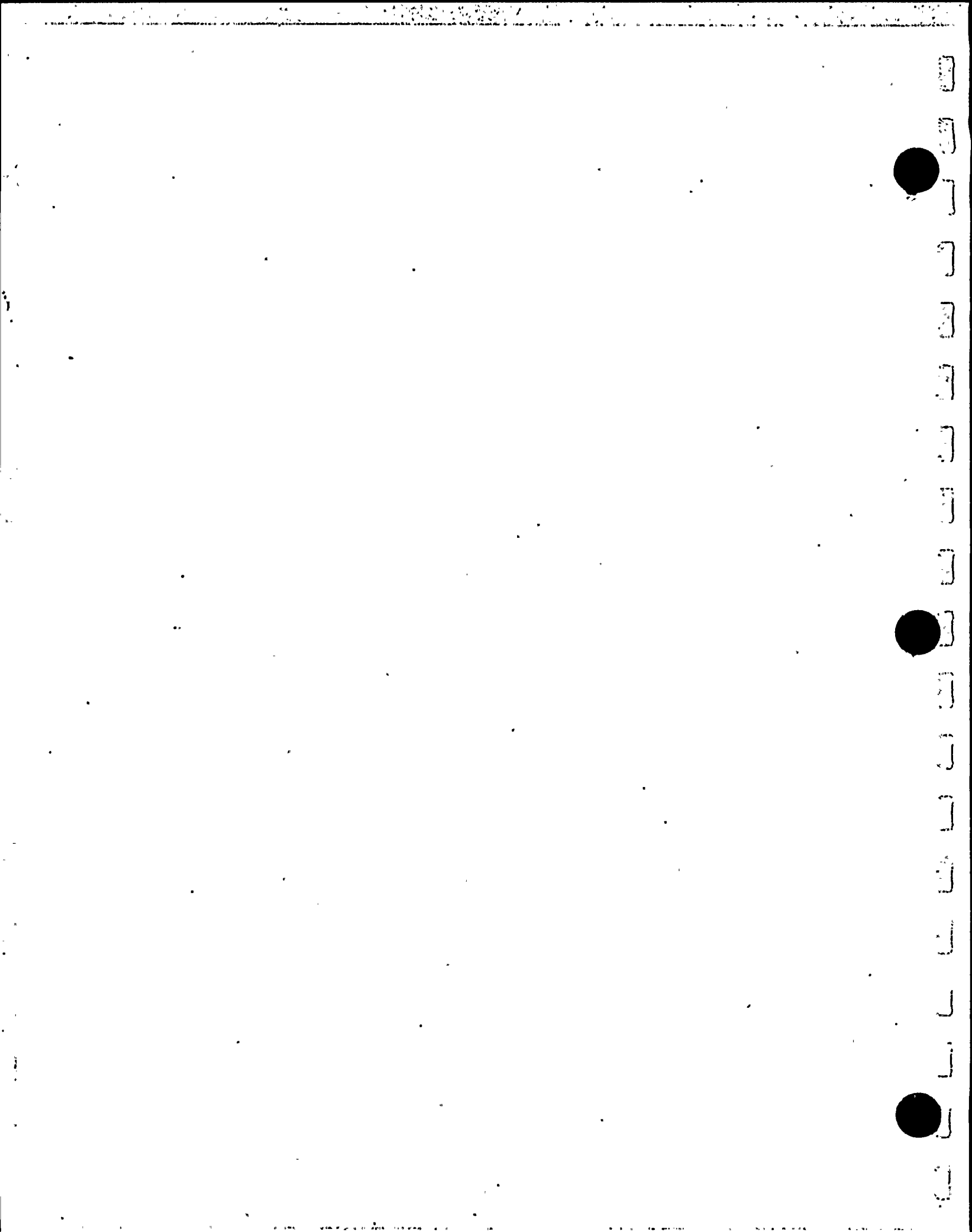
METALS	LABORATORY METHOD	REF.	QLM INSTRUMENT
Silver*	Atomic Absorption		Perkin Elmer Model 103AAS
Sodium*	Flame Photometry, AA	do	do
Thallium*	Atomic Absorption	do	do
Tin*	do	do	do
Titanium	do	do	do
Vanadium*	do	do	do
Zinc*	do	do	do

\*For determination of total metals the sample is digested according to the digestion procedures specified in 400 CFR Part 136.

APPENDIX VII-D

NINE MILE POINT GENERATING STATION WATER QUALITY INVESTIGATIONS

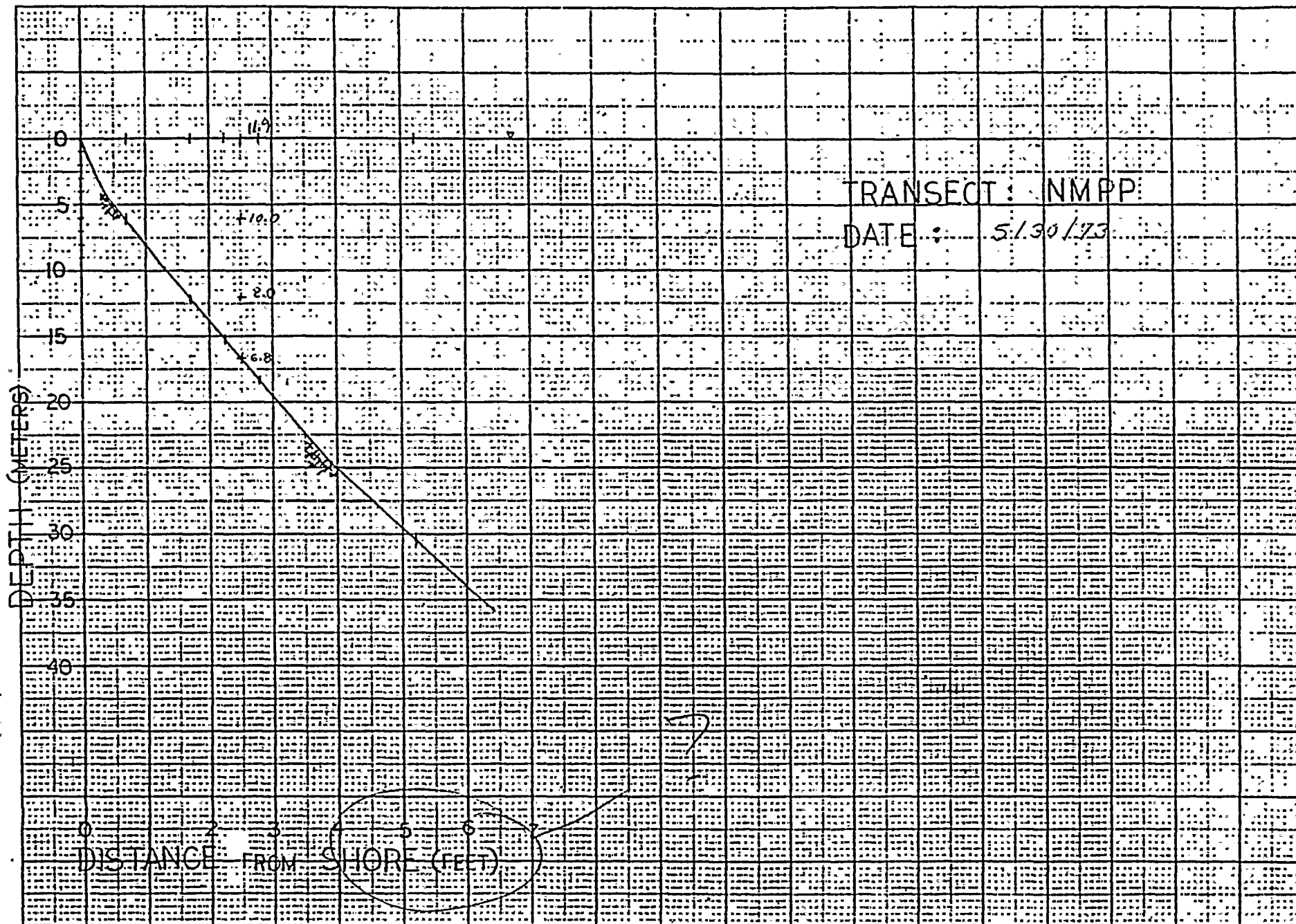
VERTICAL TEMPERATURE PROFILES AT THE  
NINE MILE POINT PLANT AND OSWEGO STEAM STATION TRANSECTS



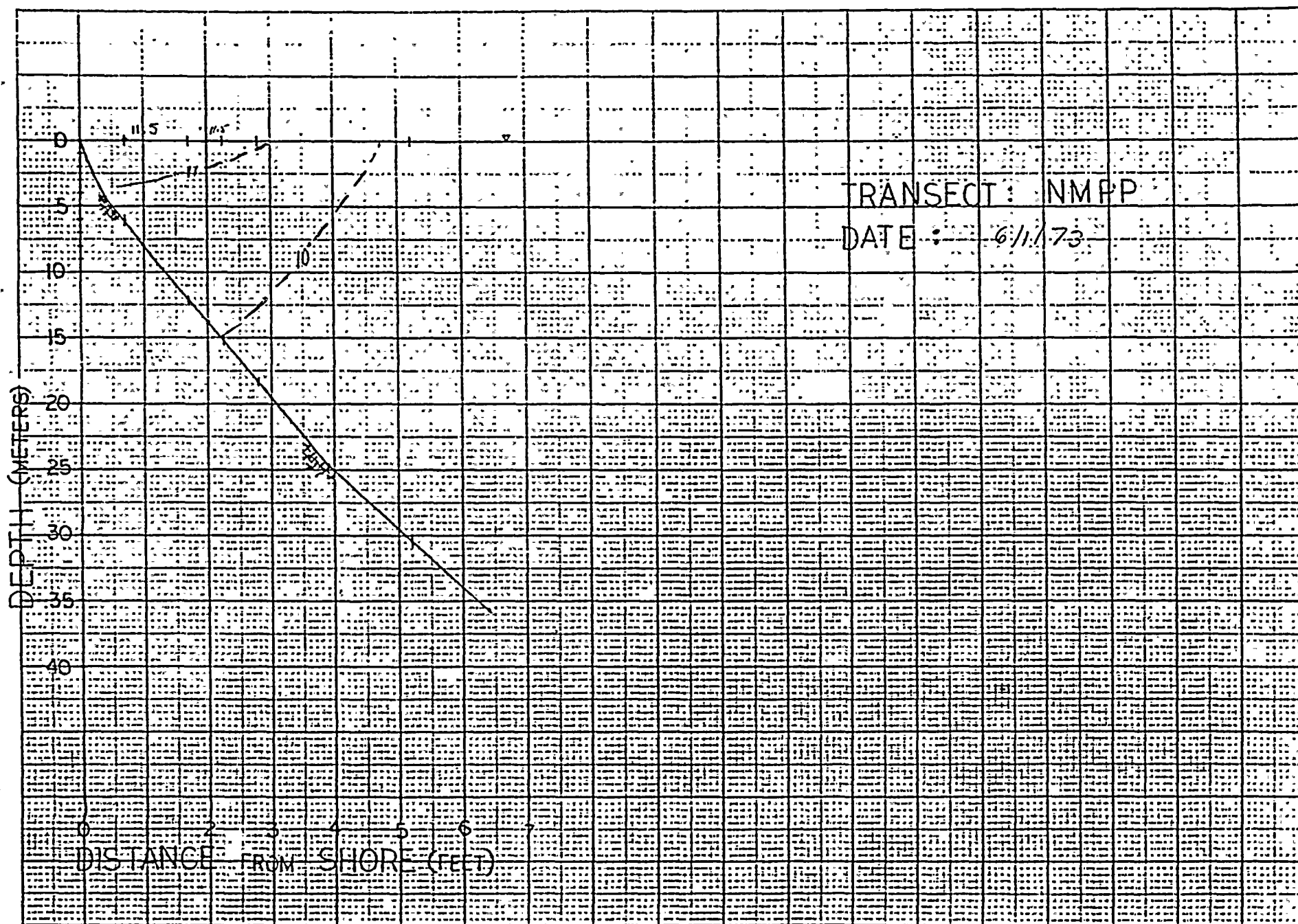
Temperature Profiles

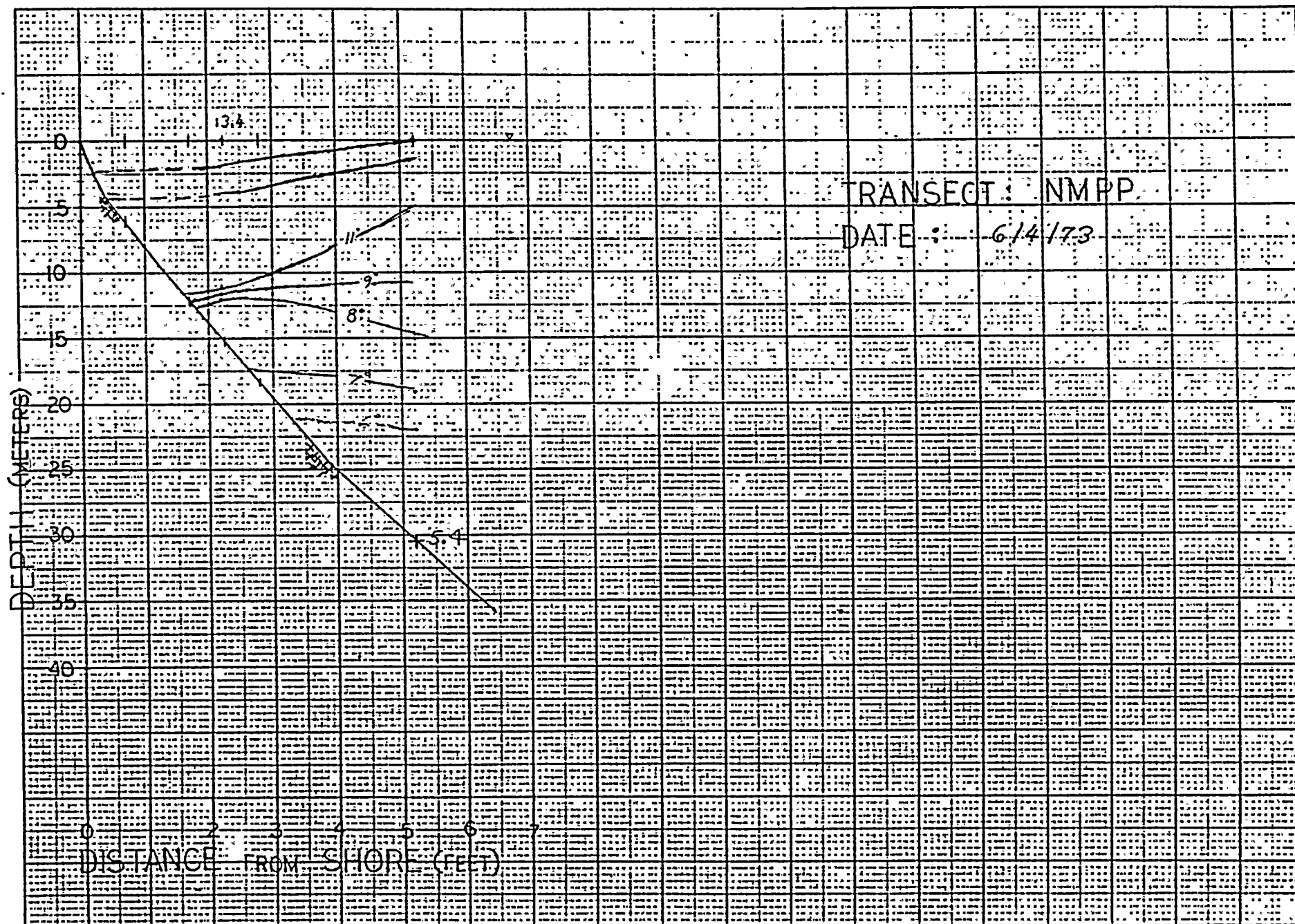
NINE MILE PLANT TRANSECT

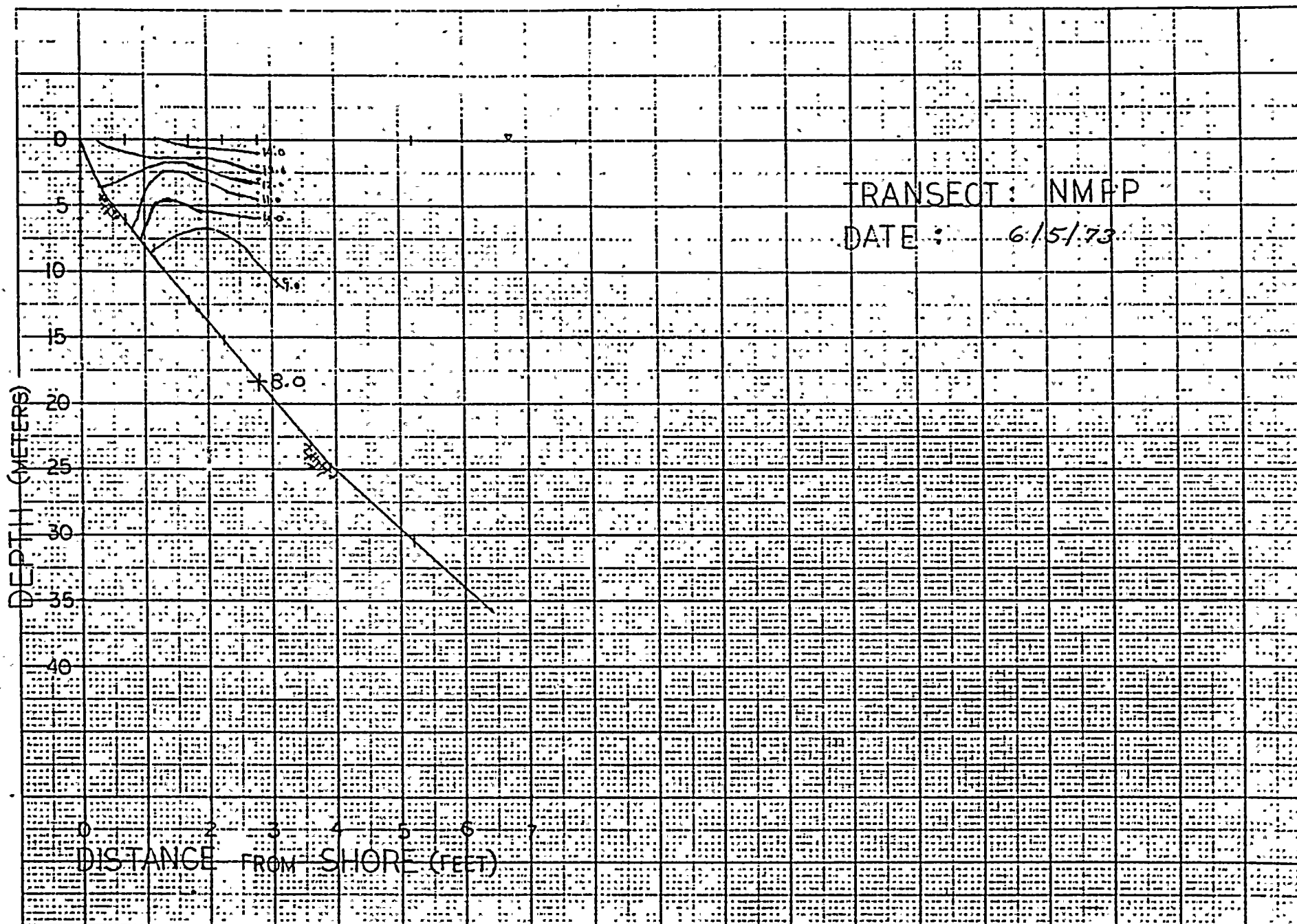
May 30 - December 10, 1973

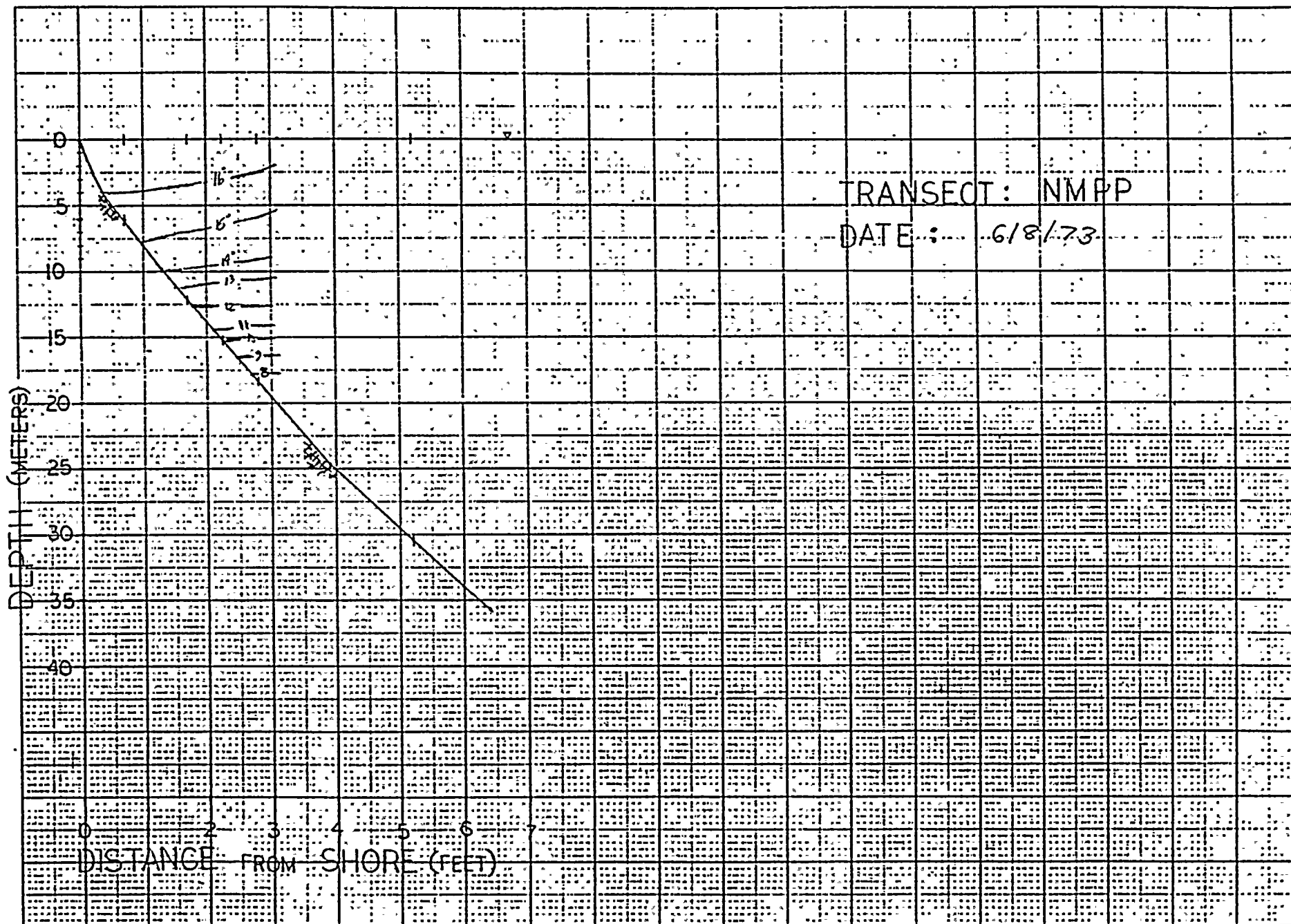


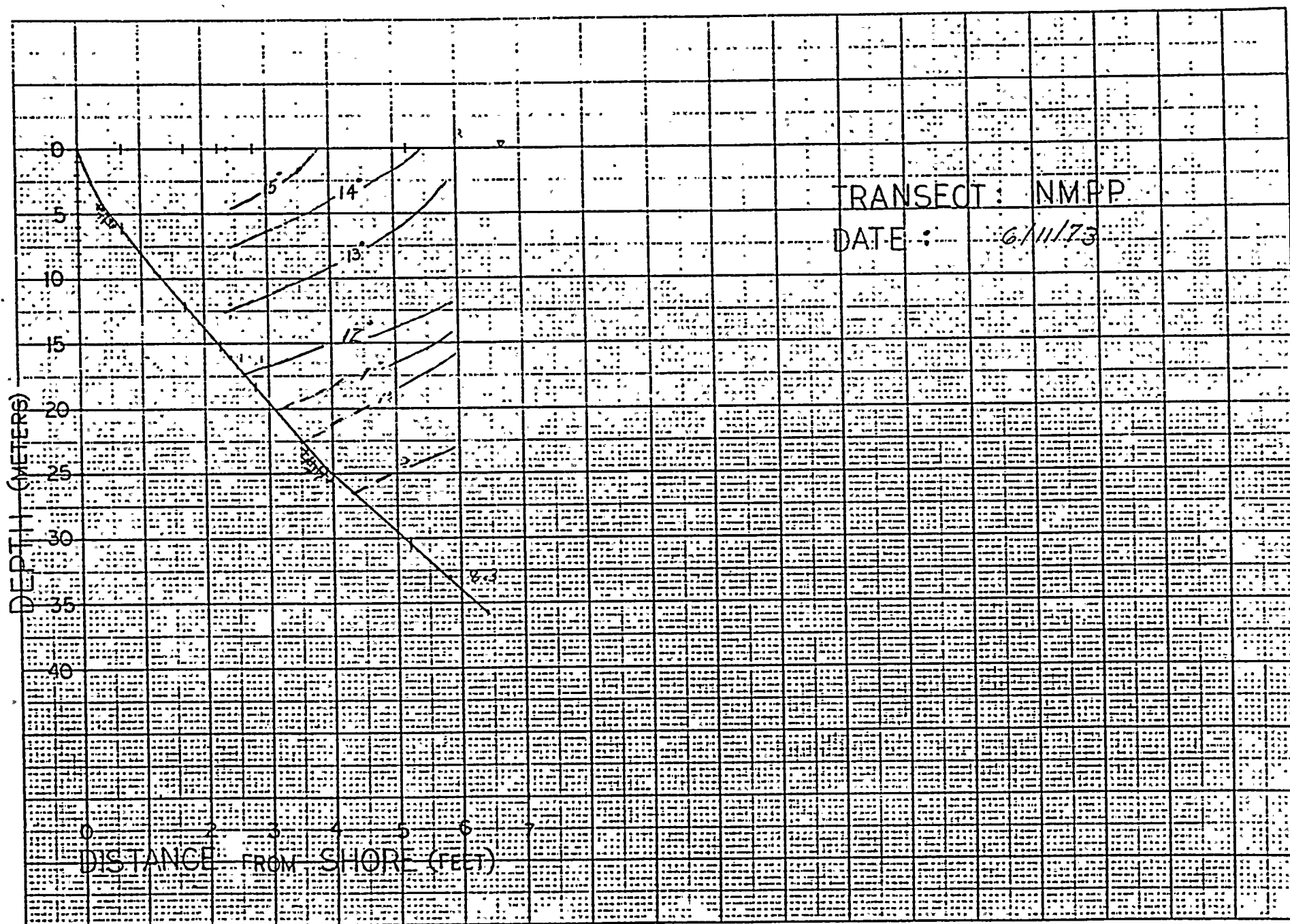


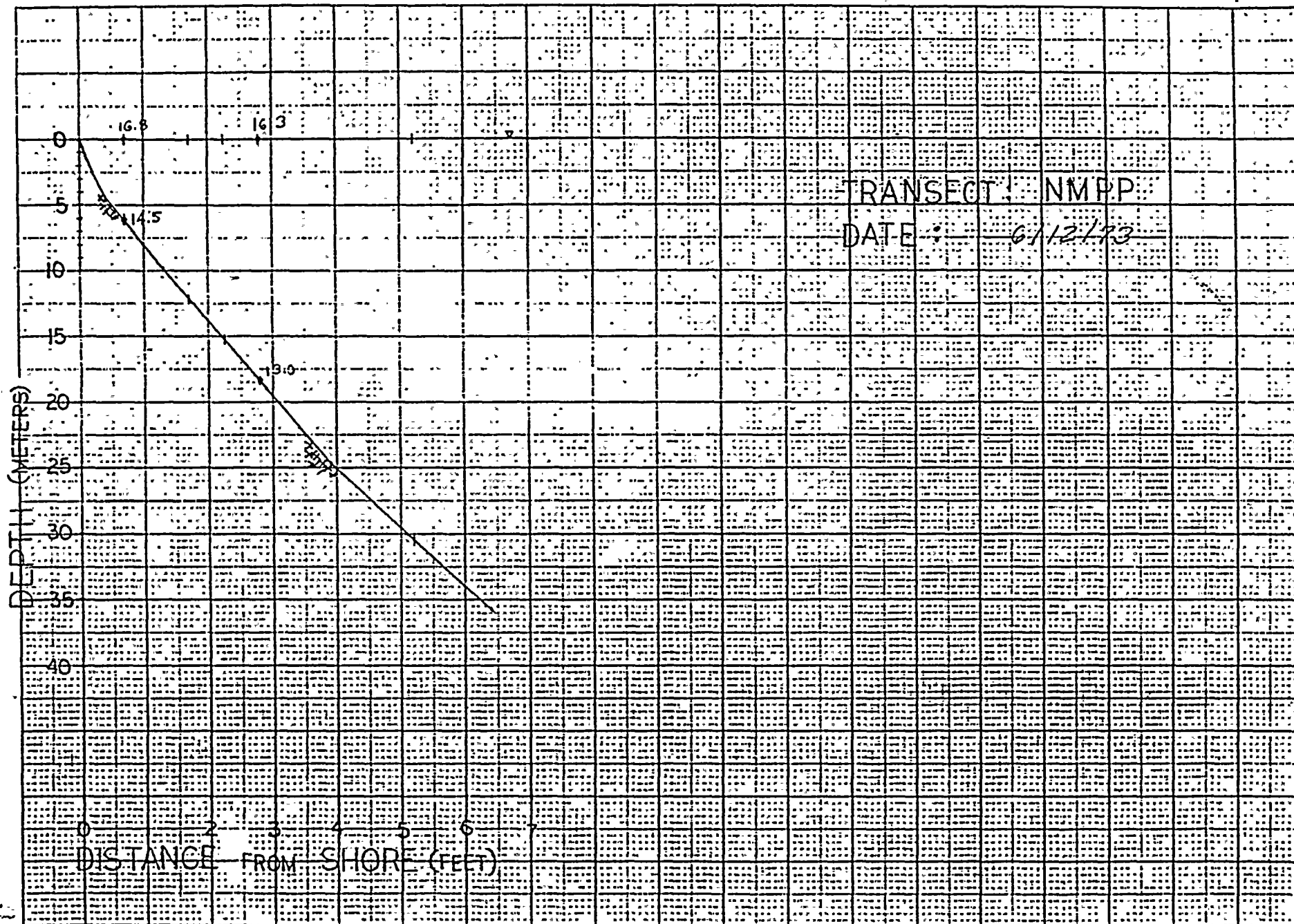




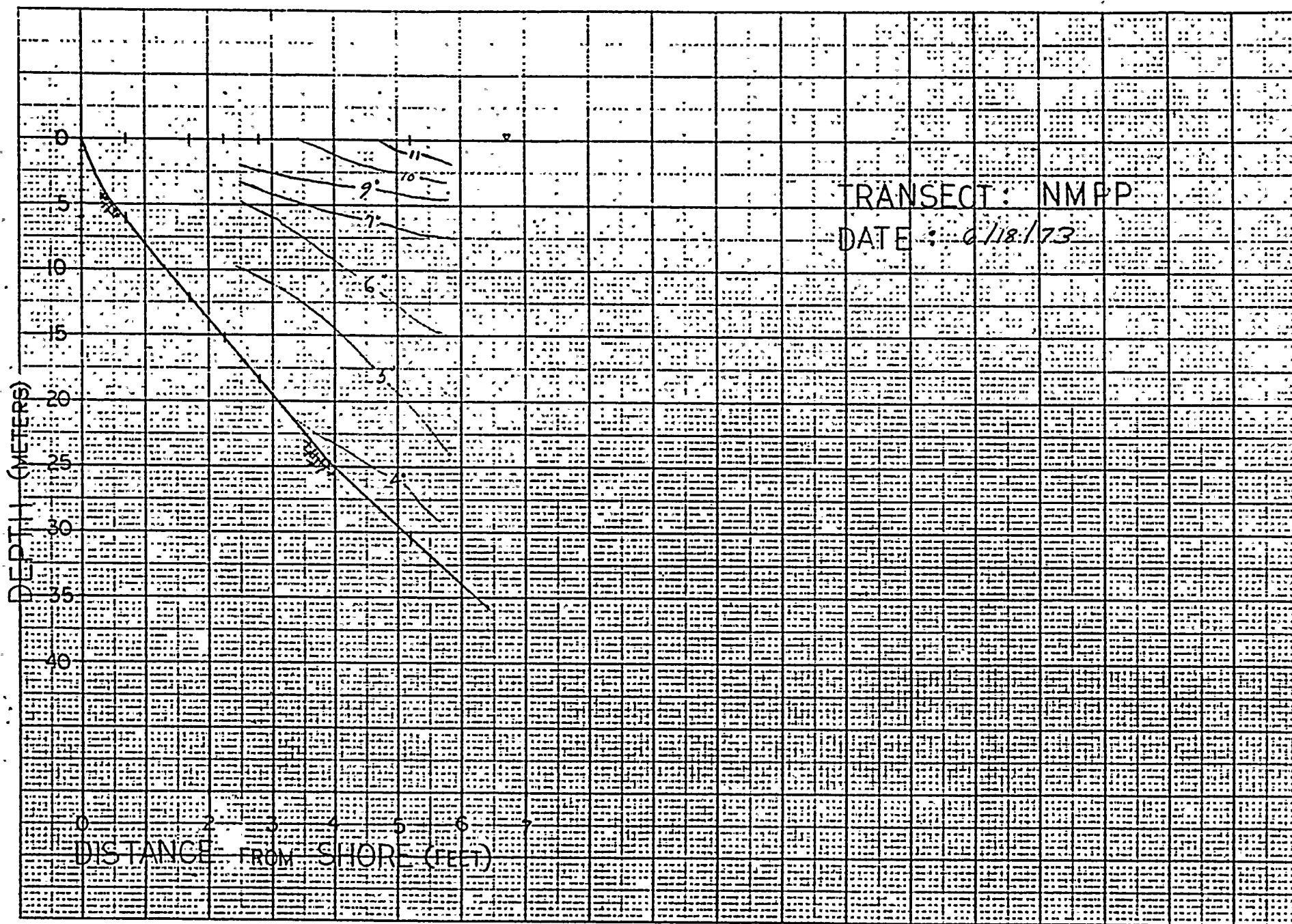


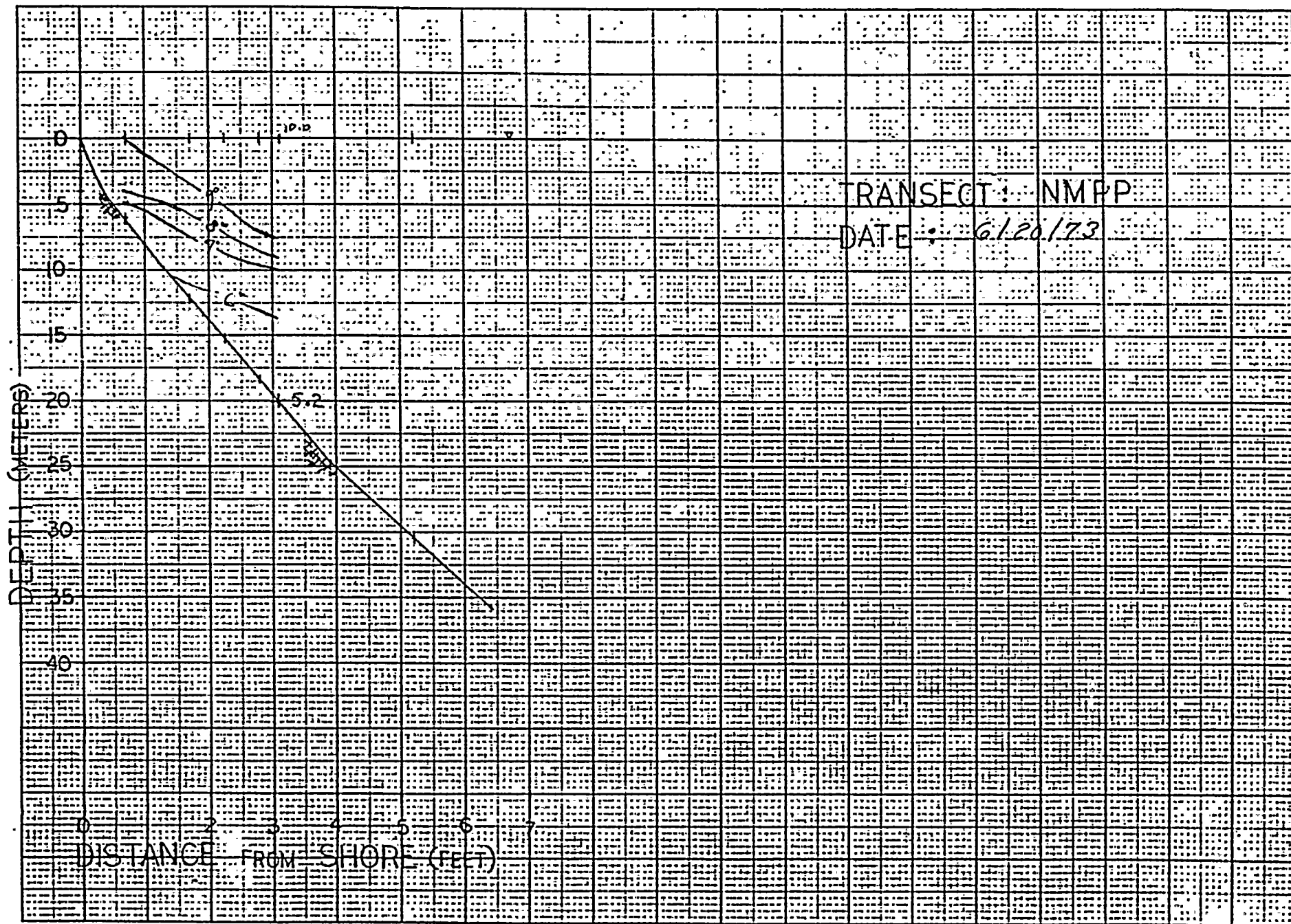




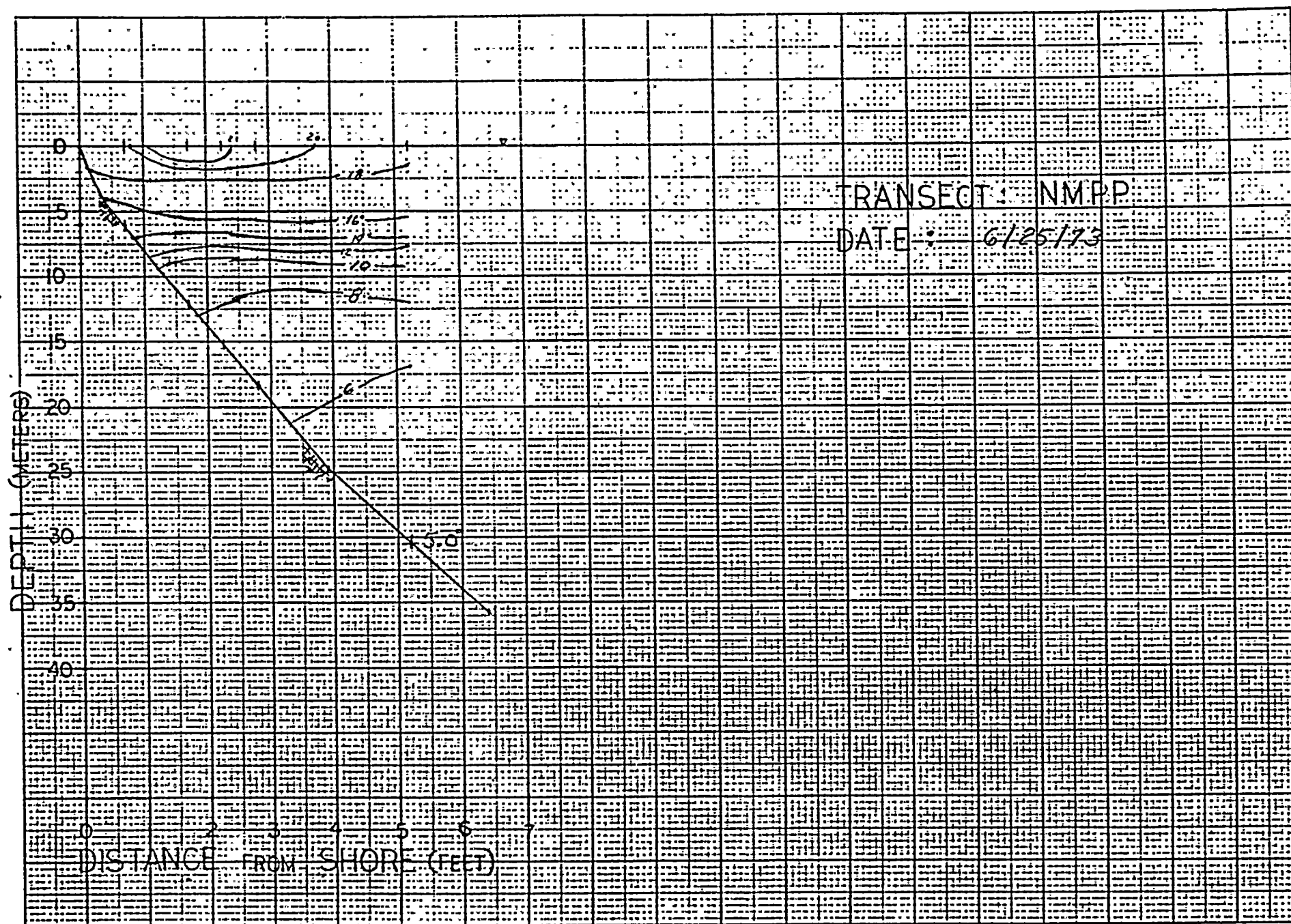


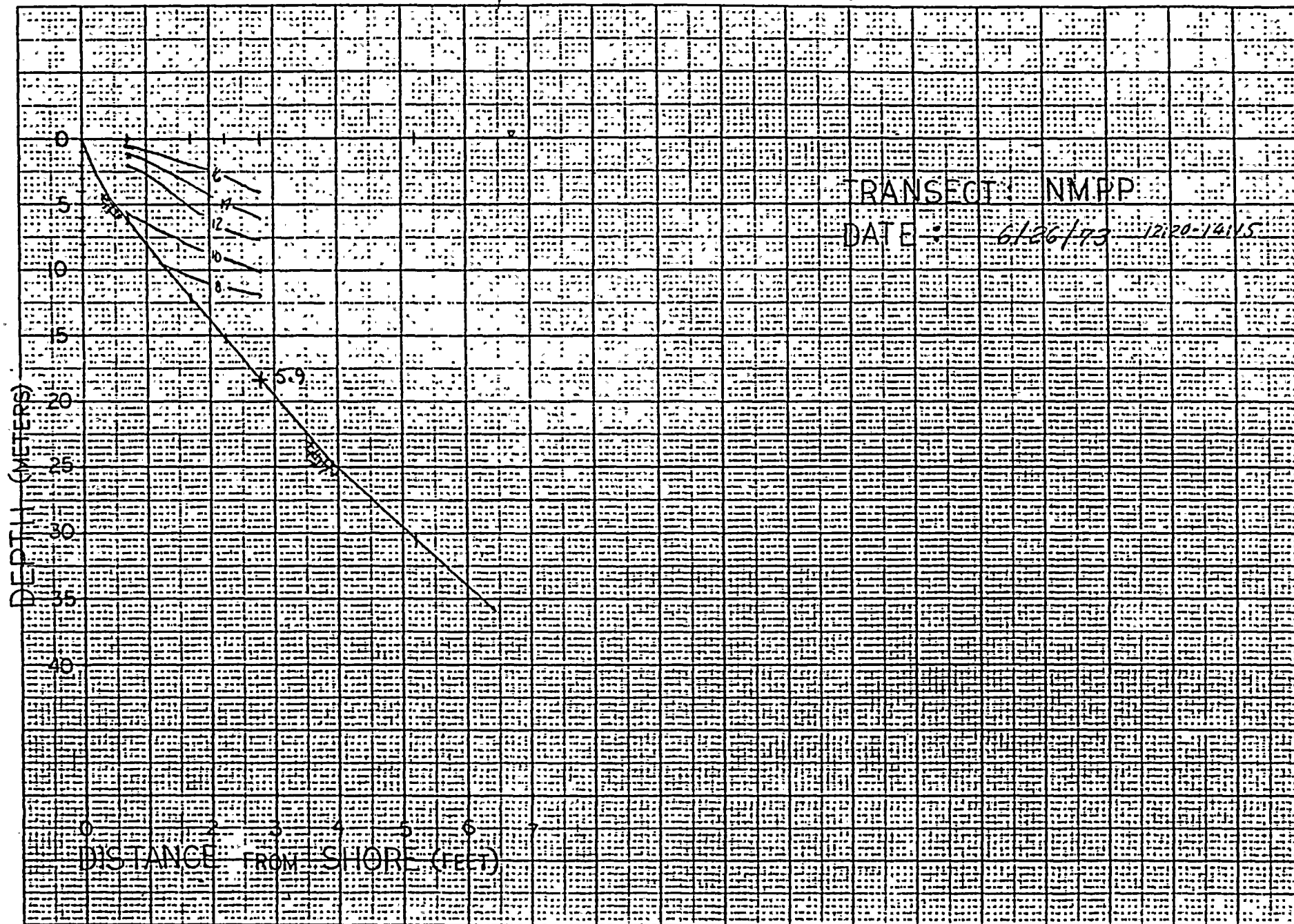


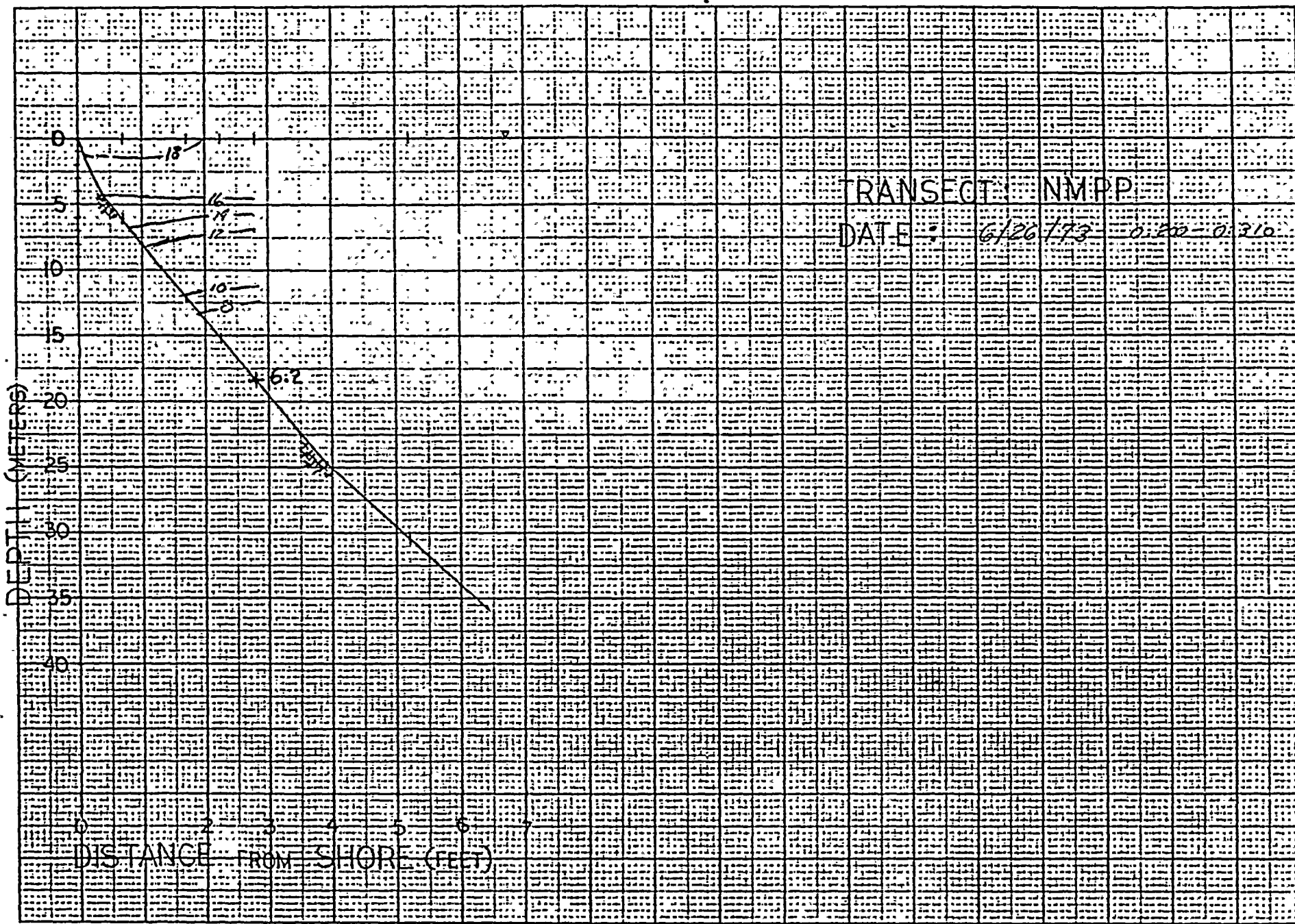


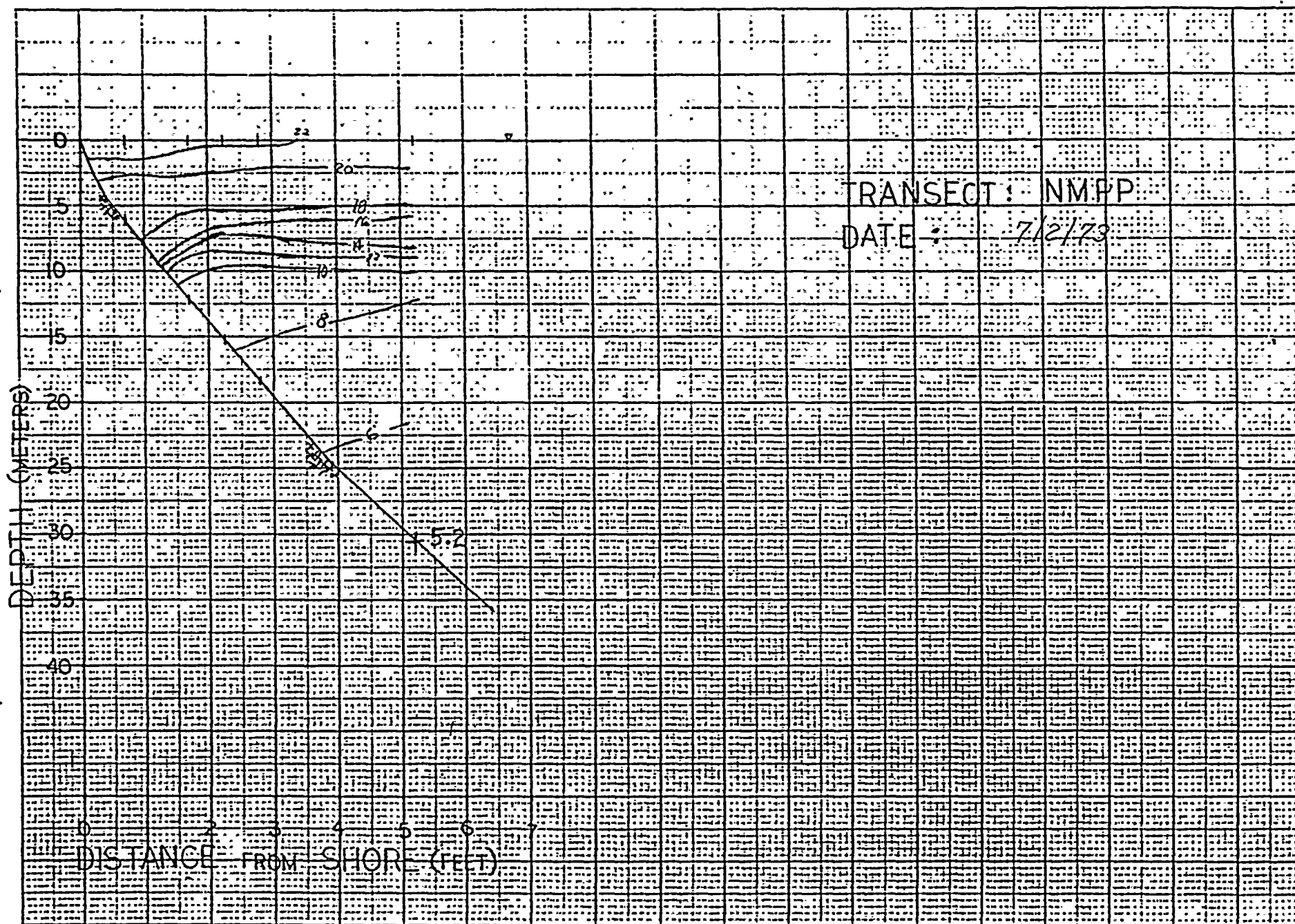






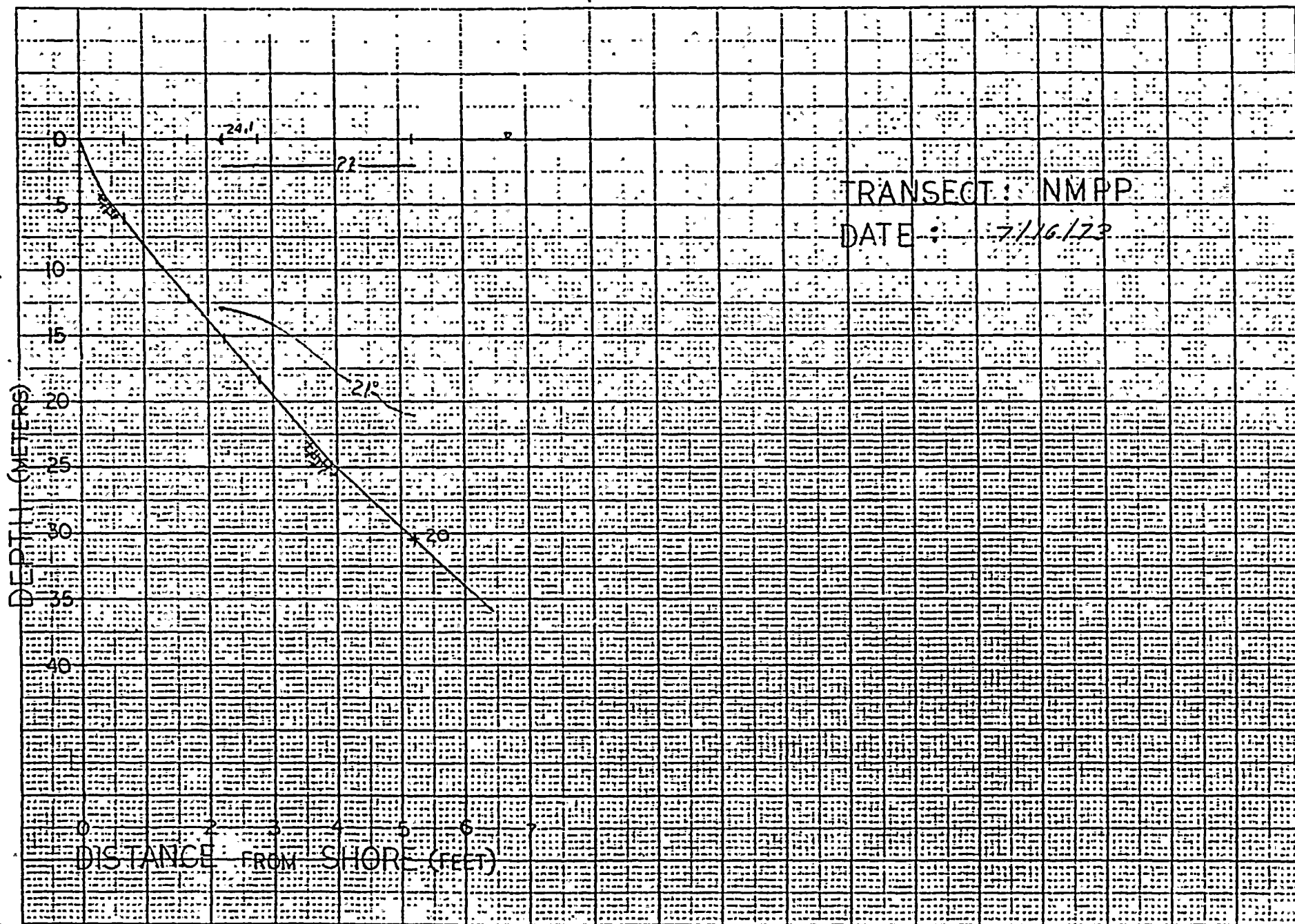


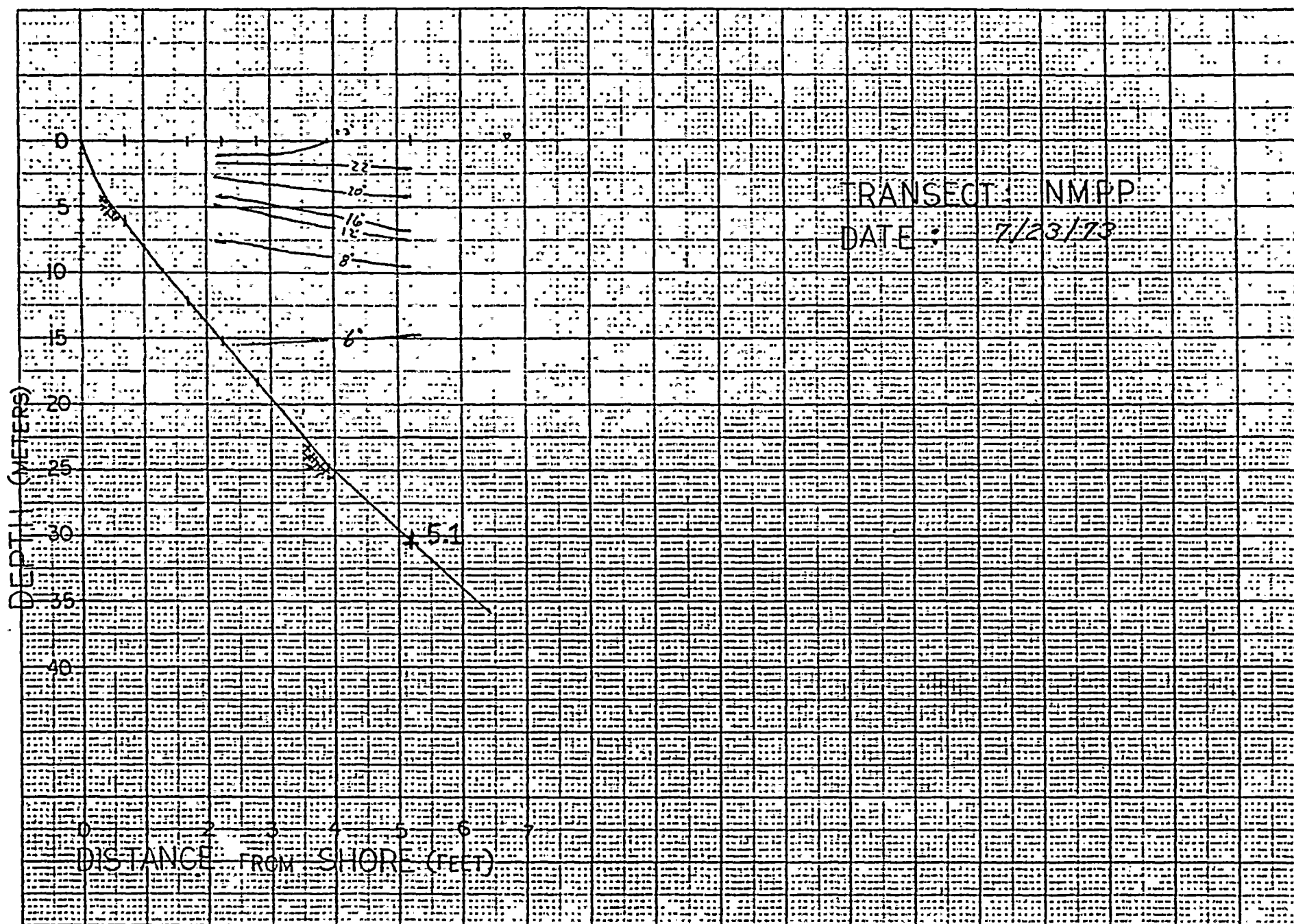


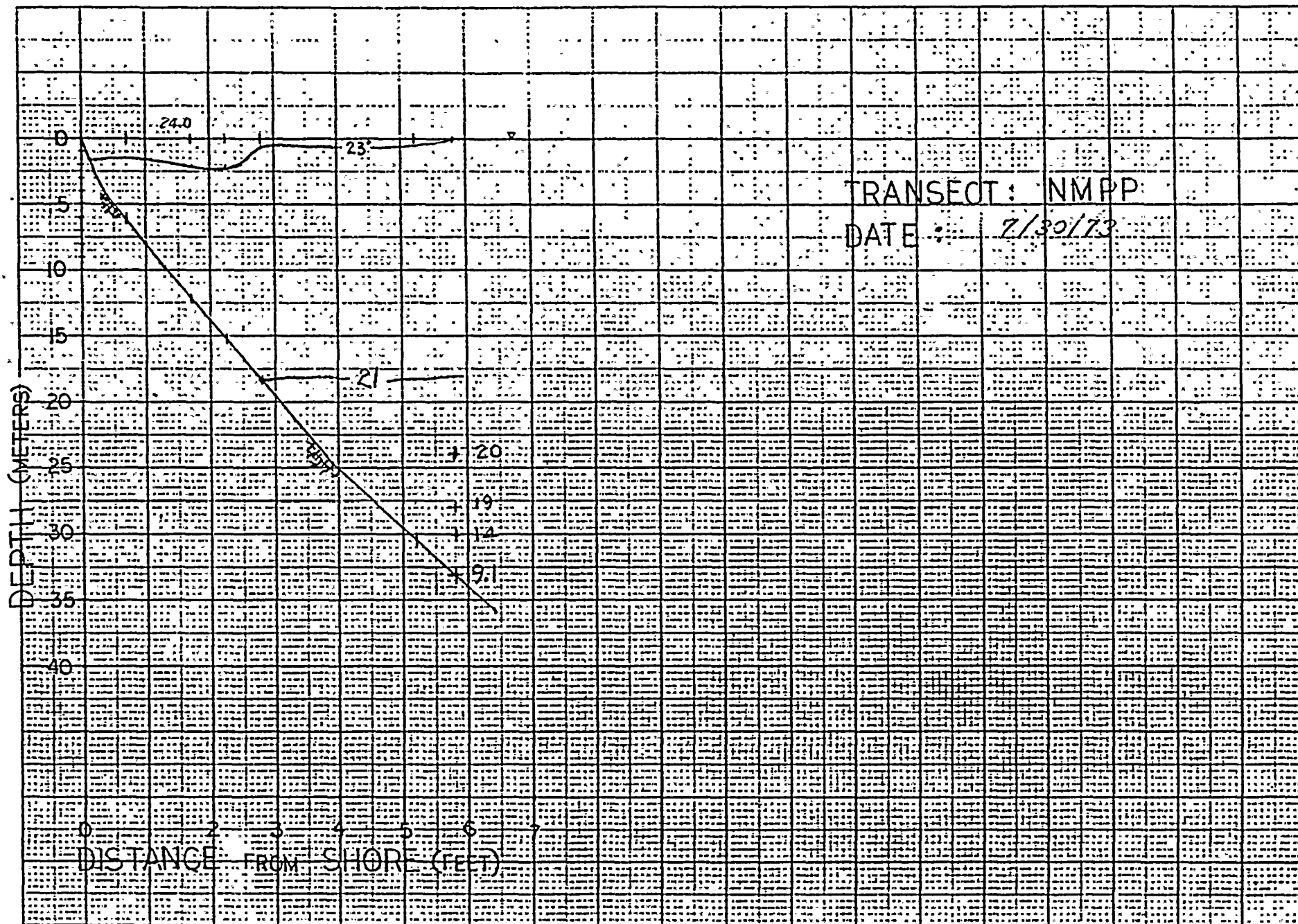




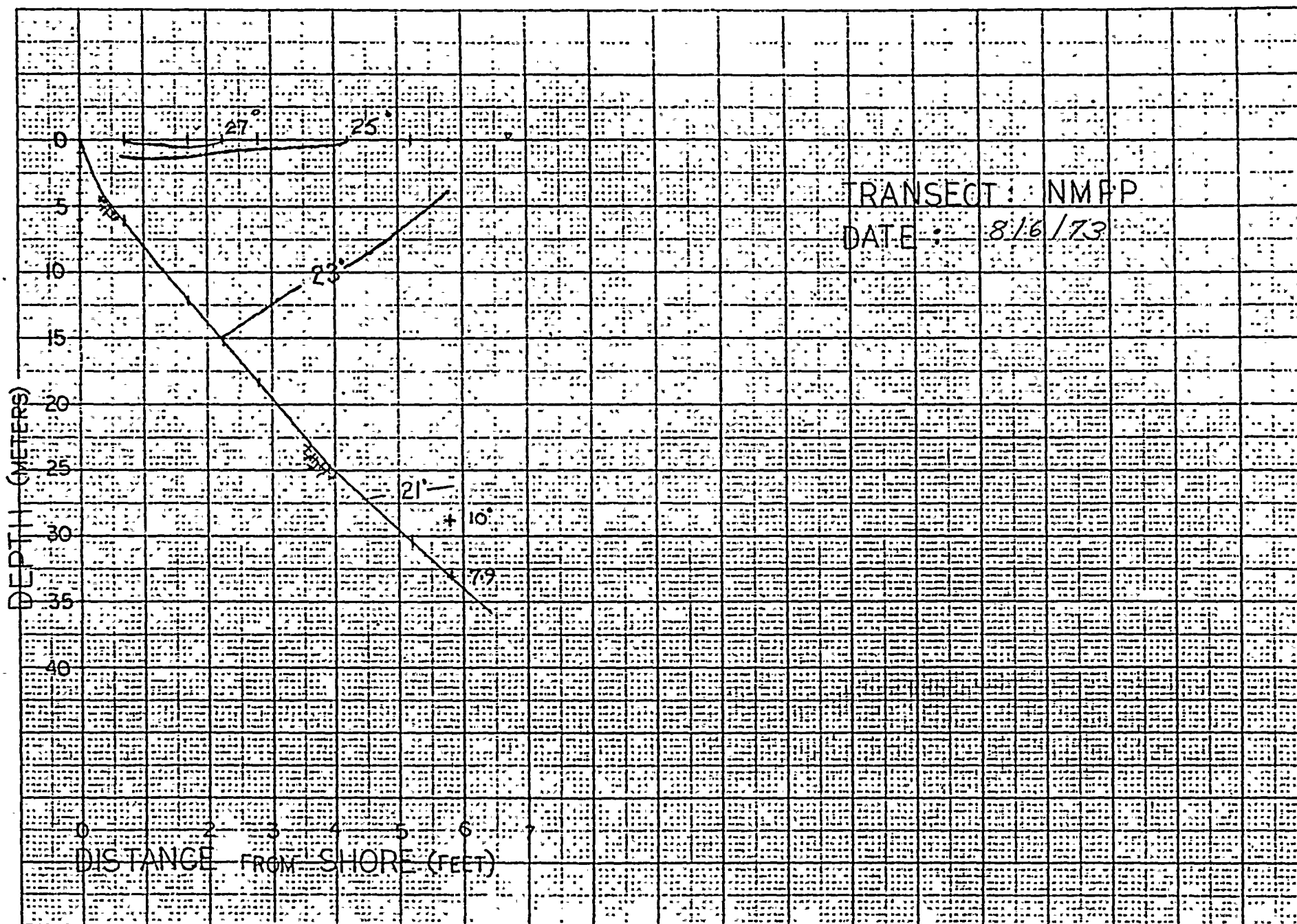


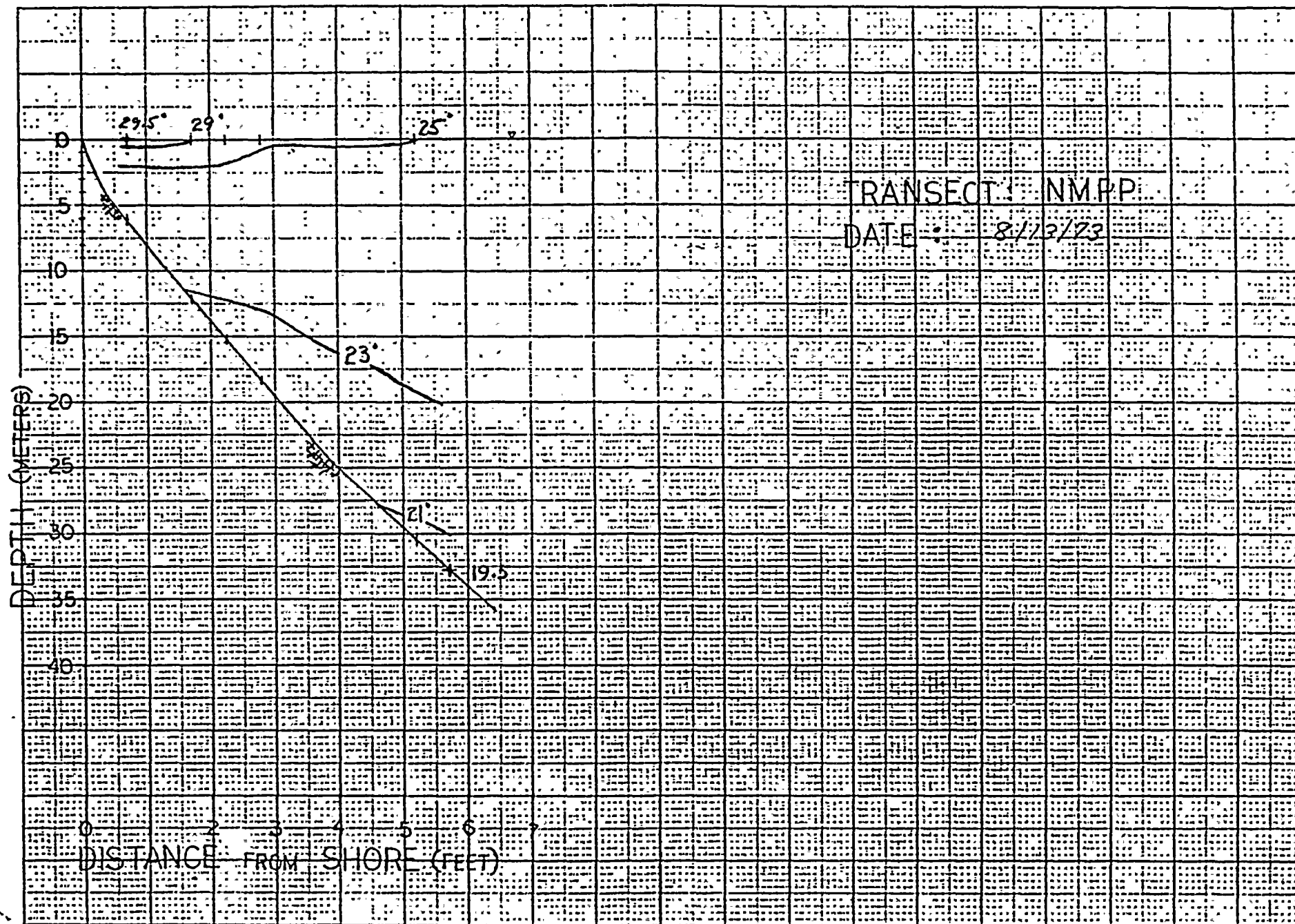


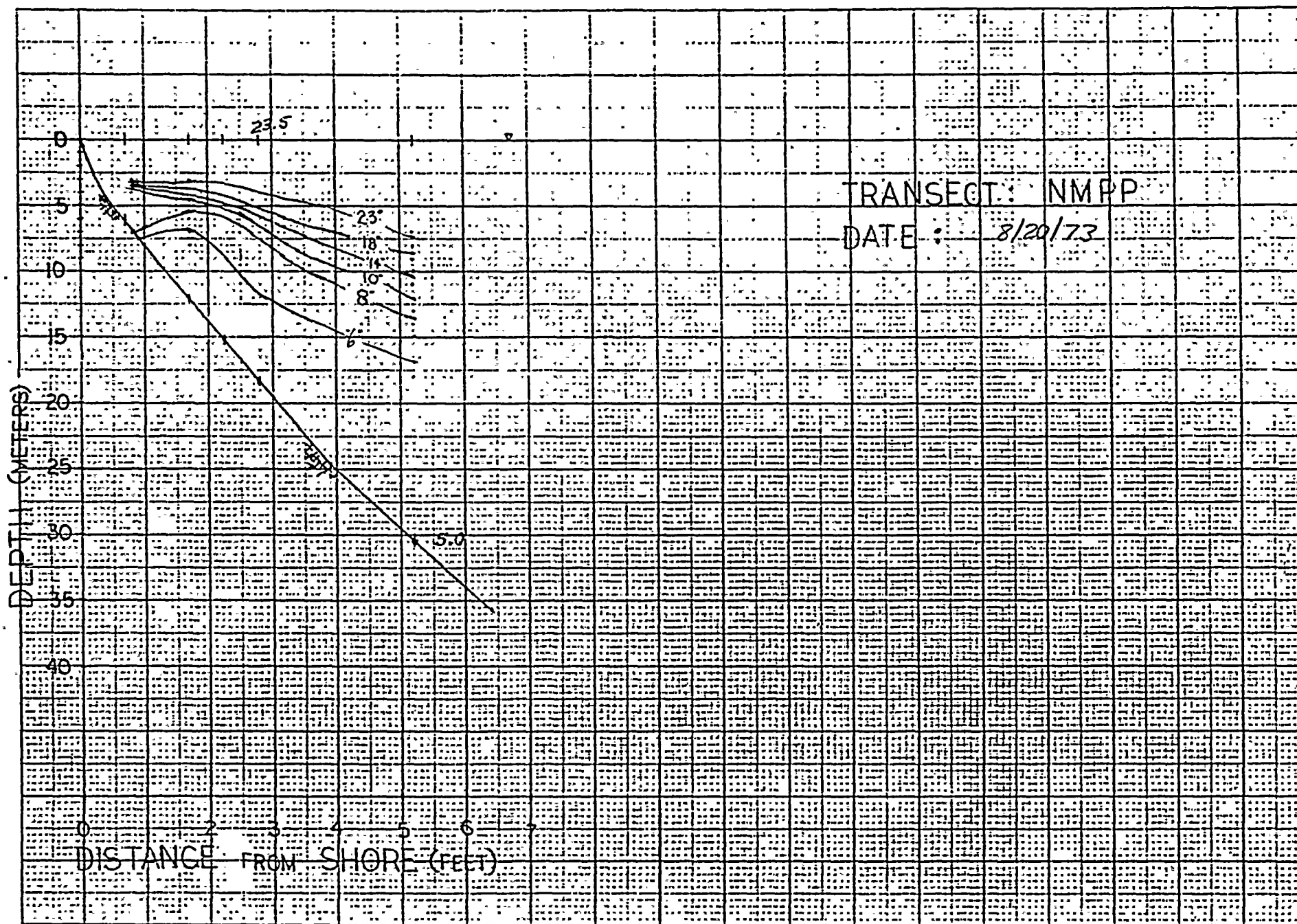


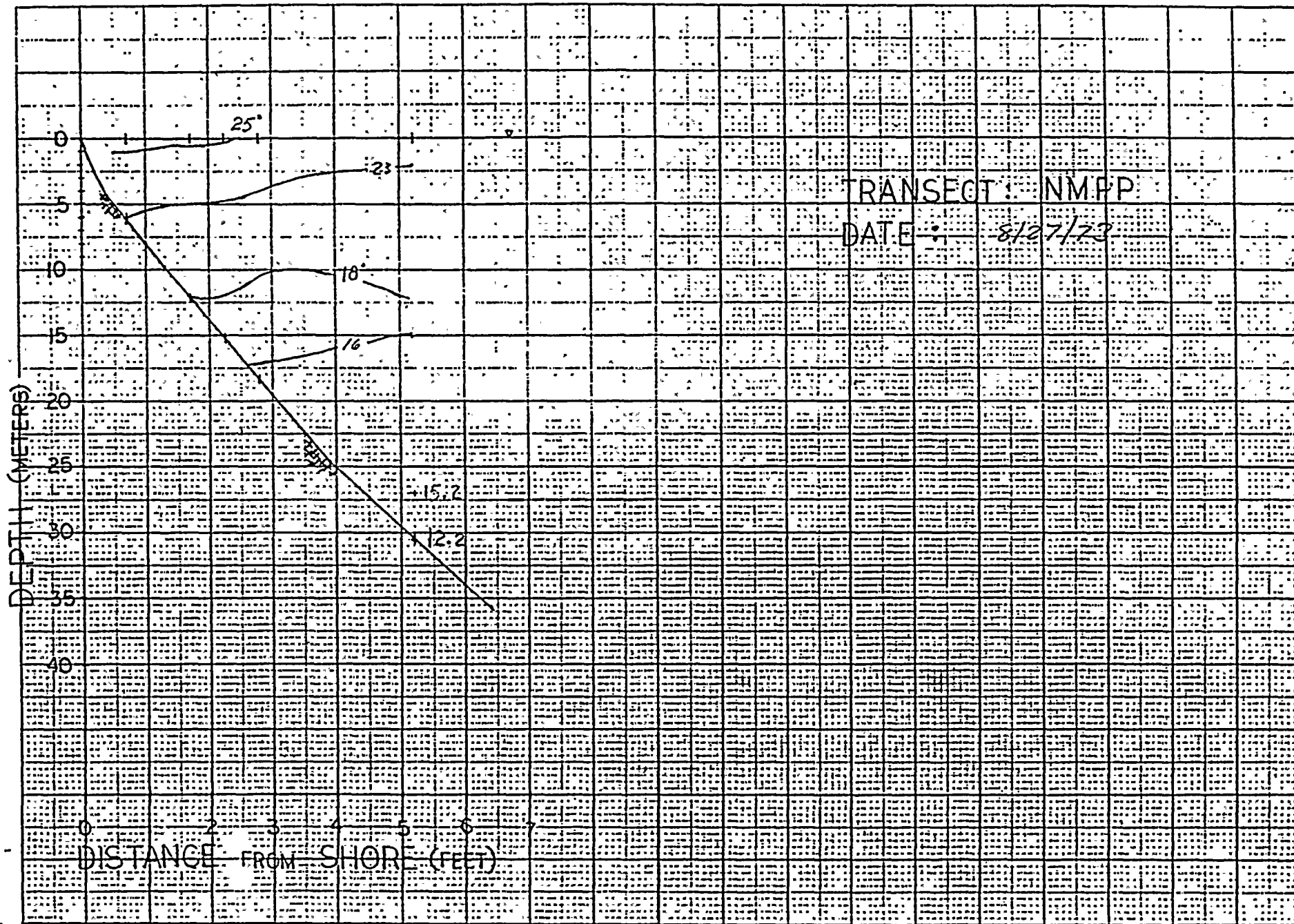


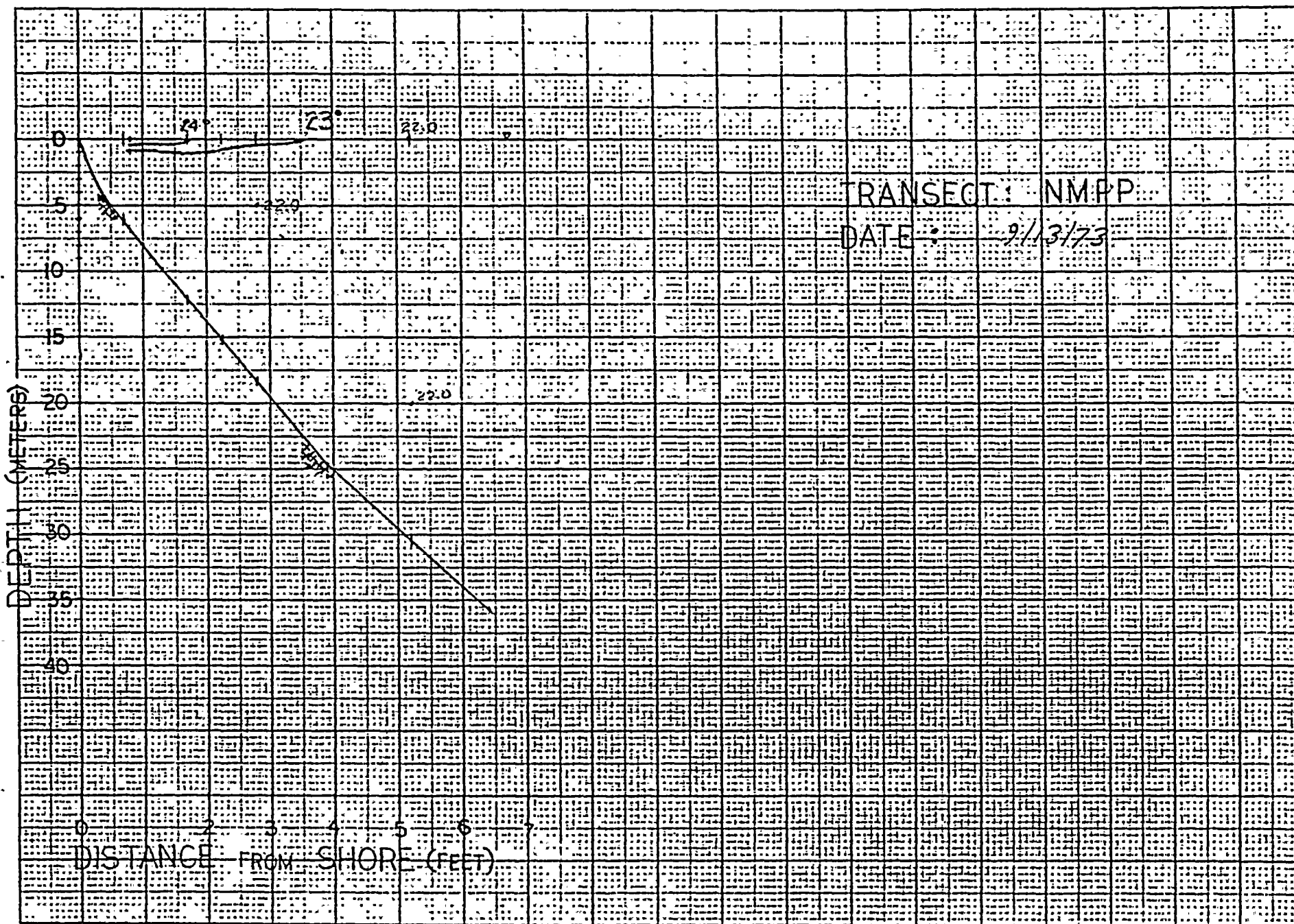




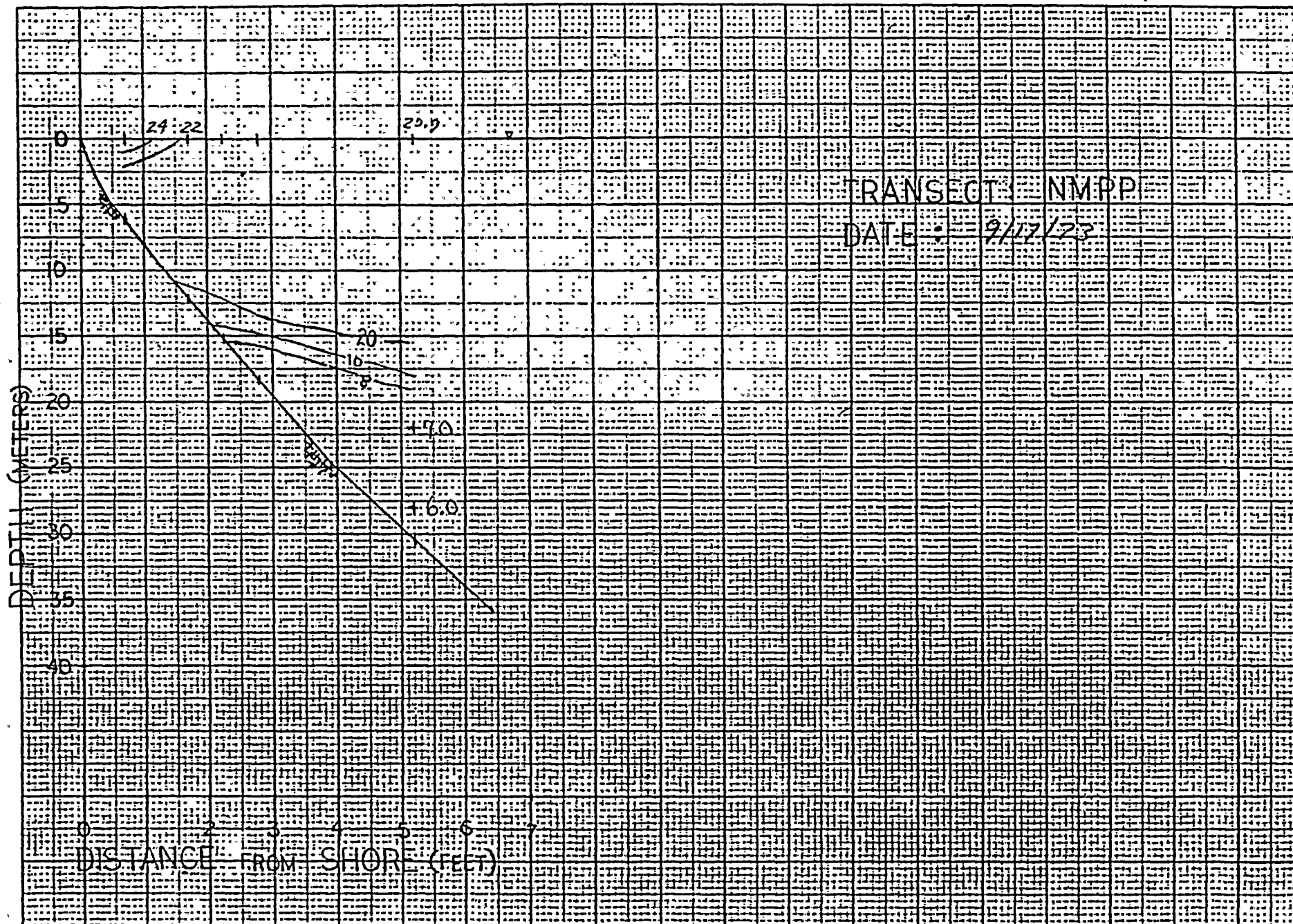


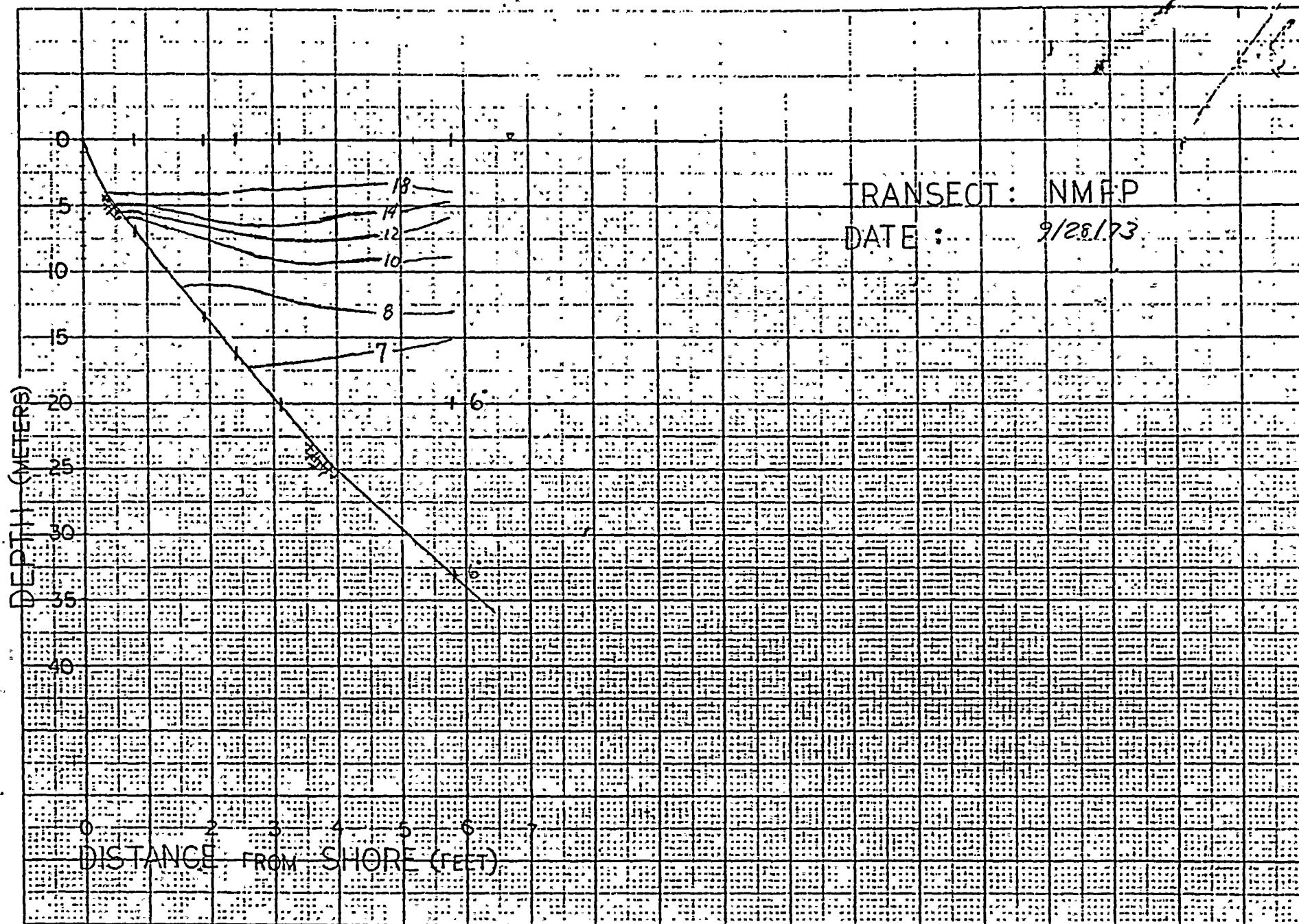


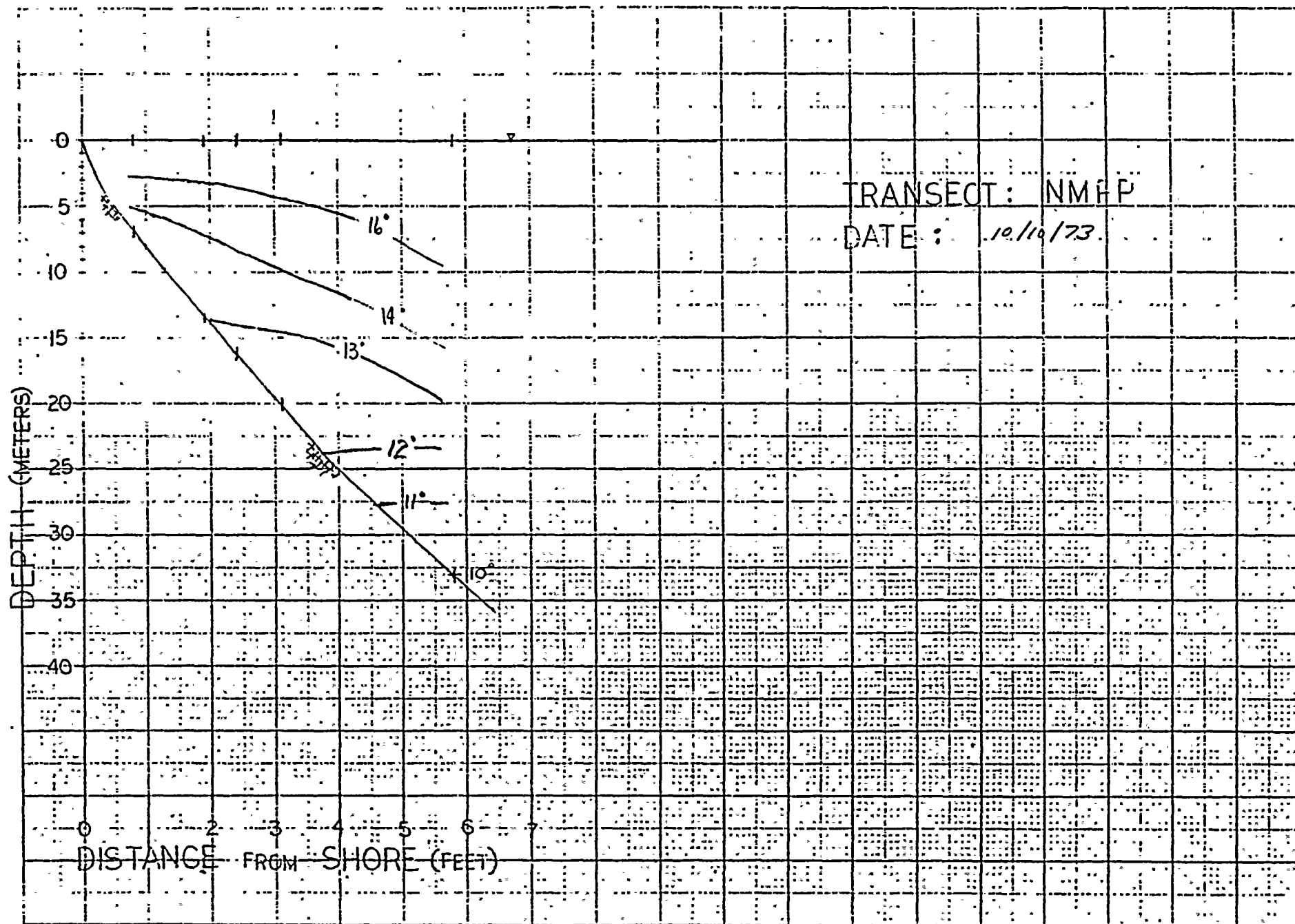




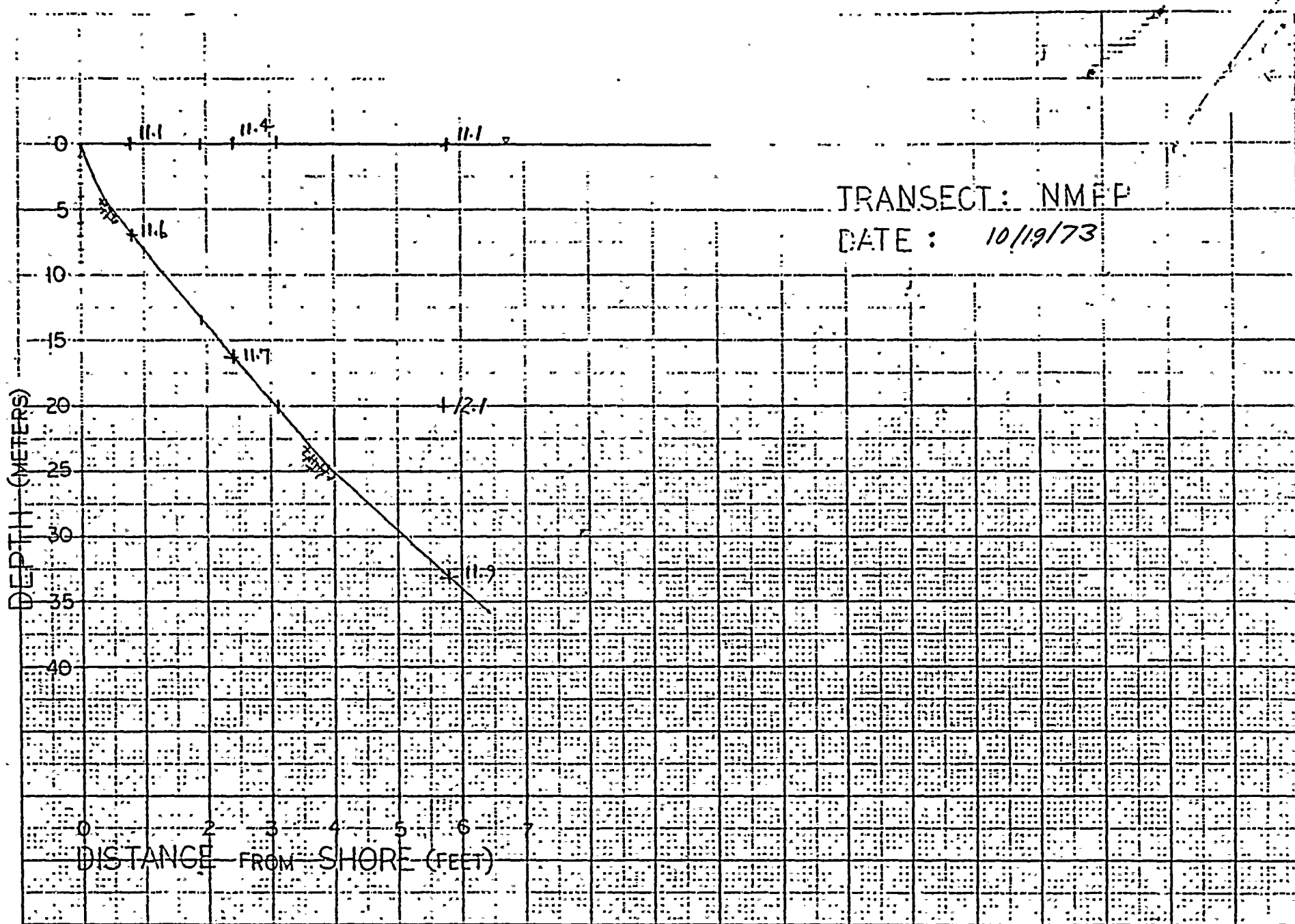


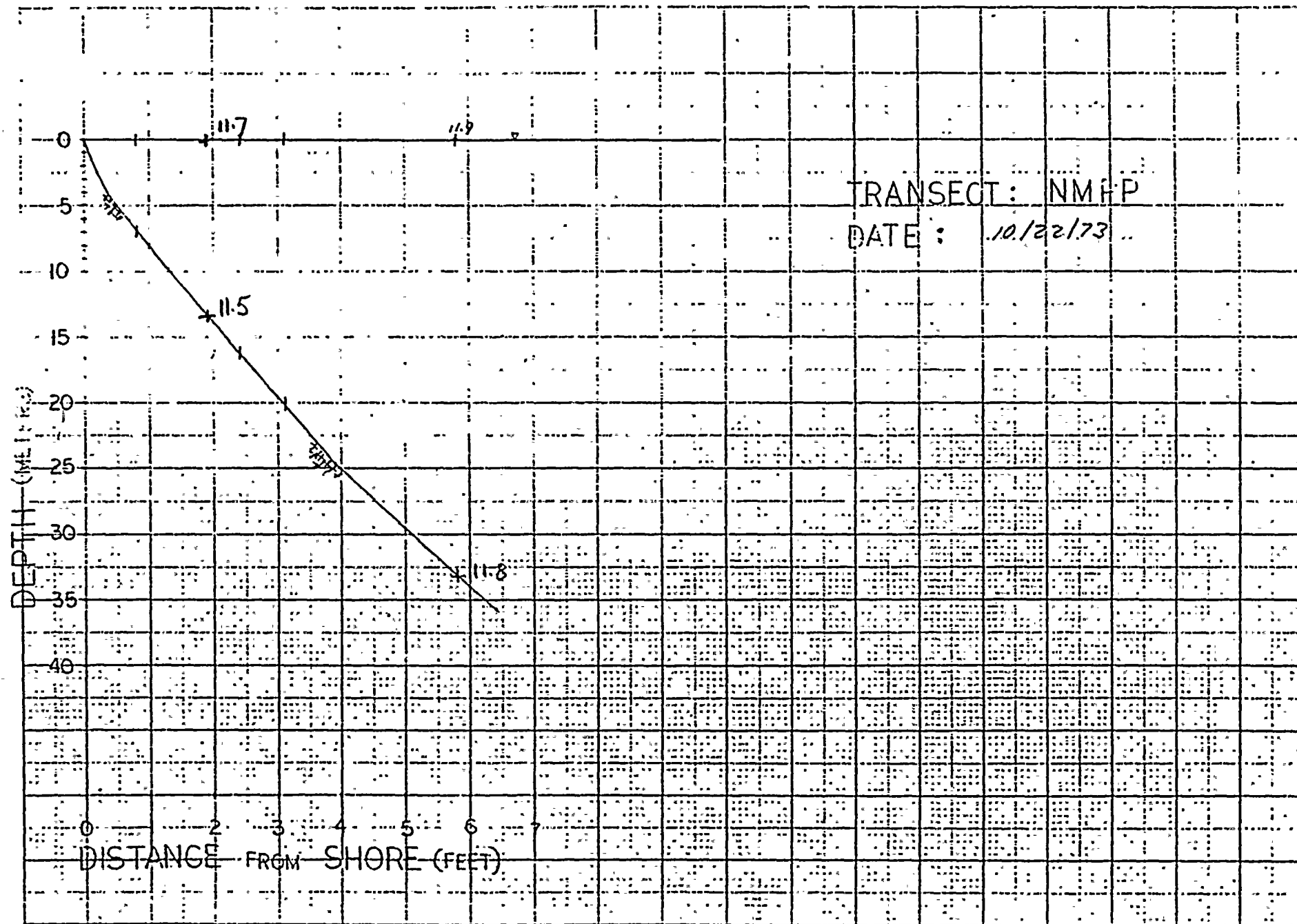


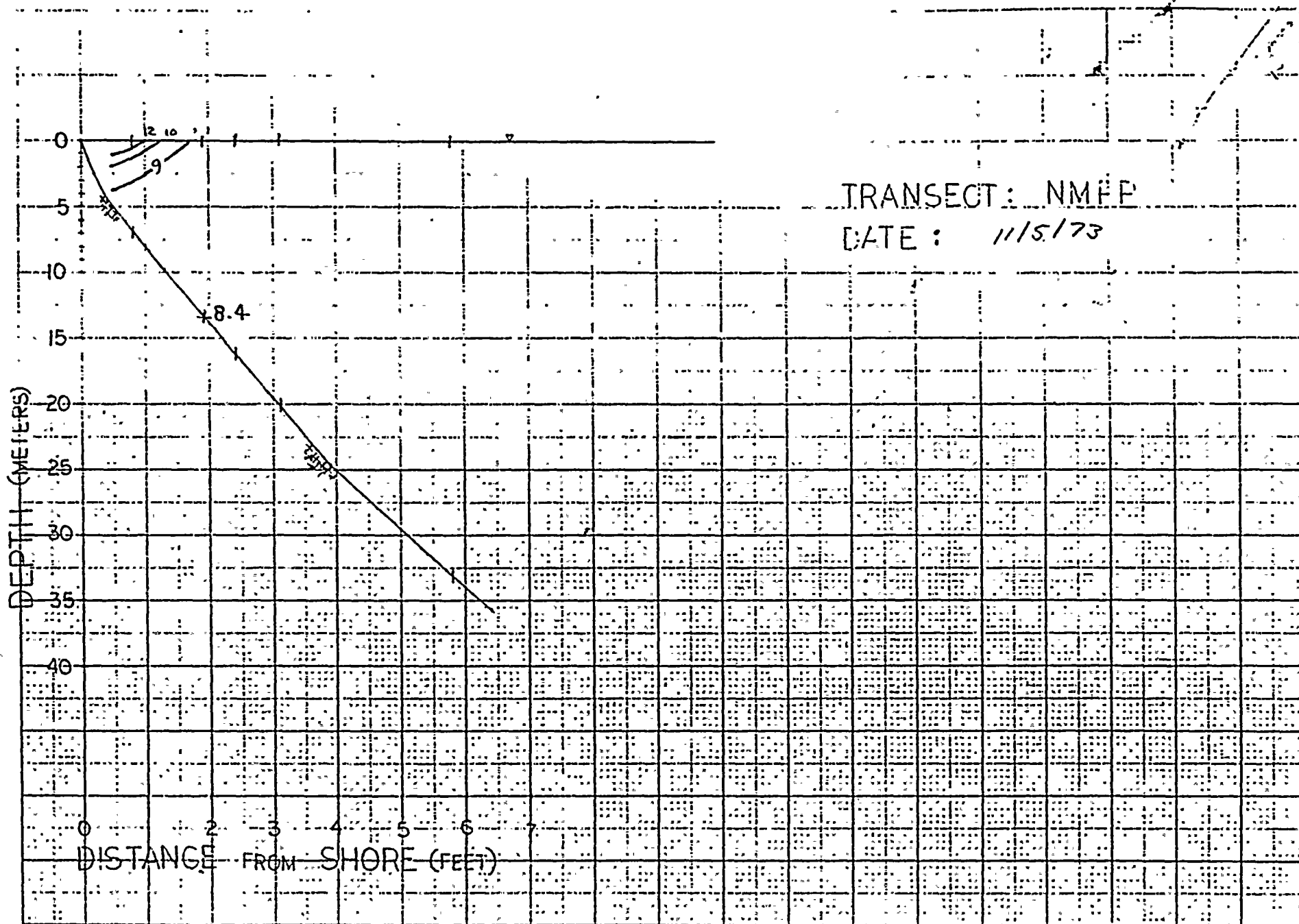


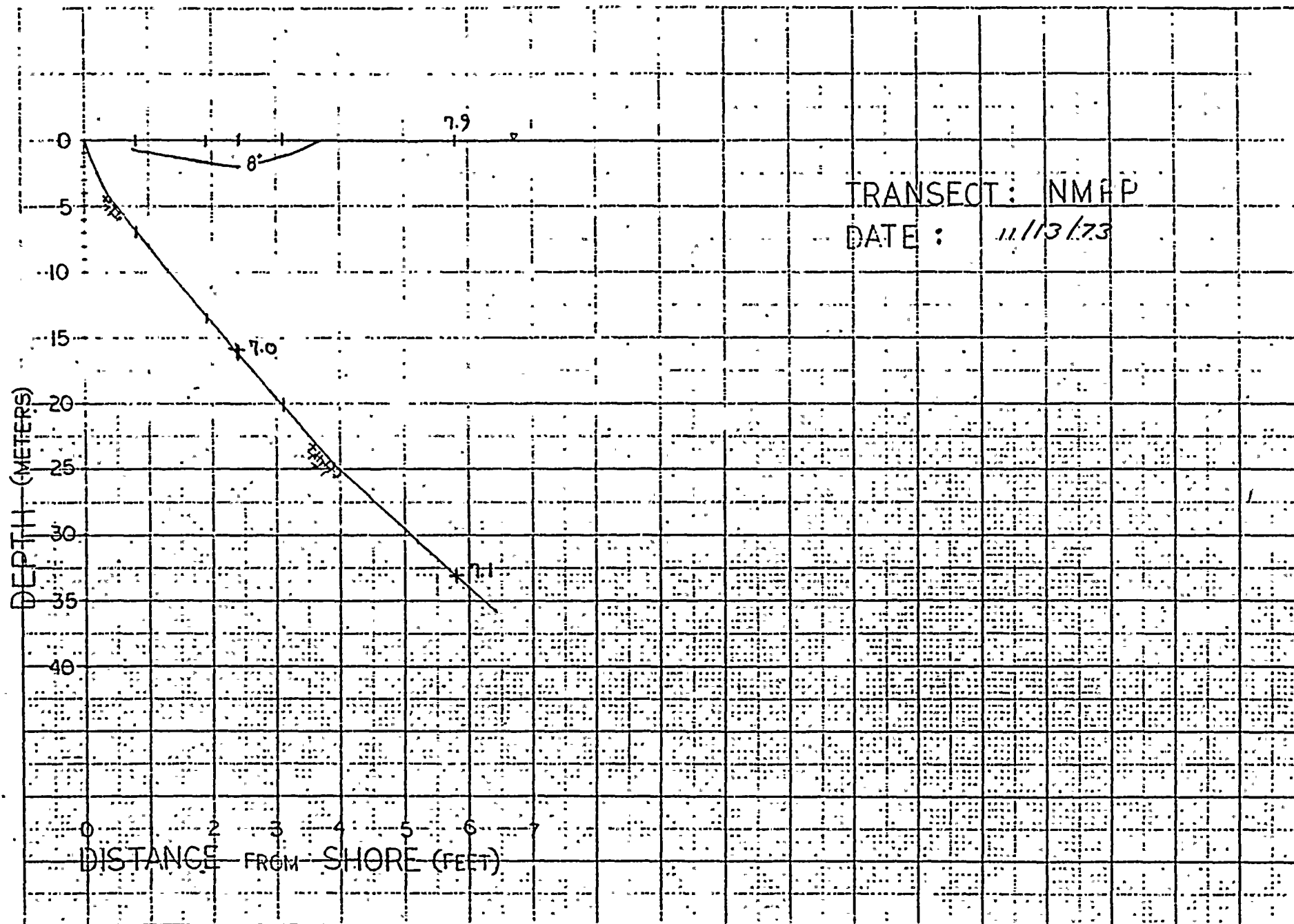


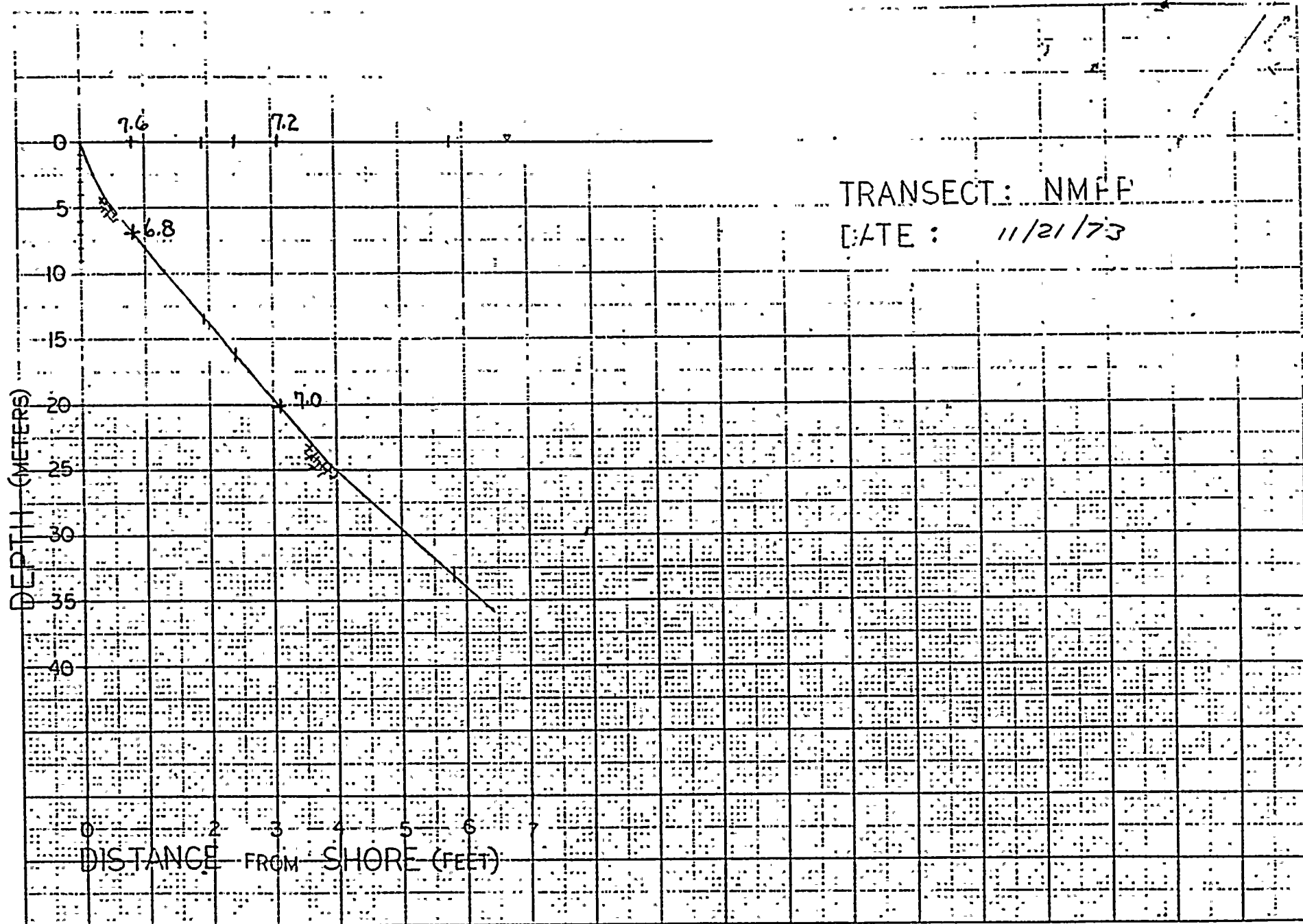


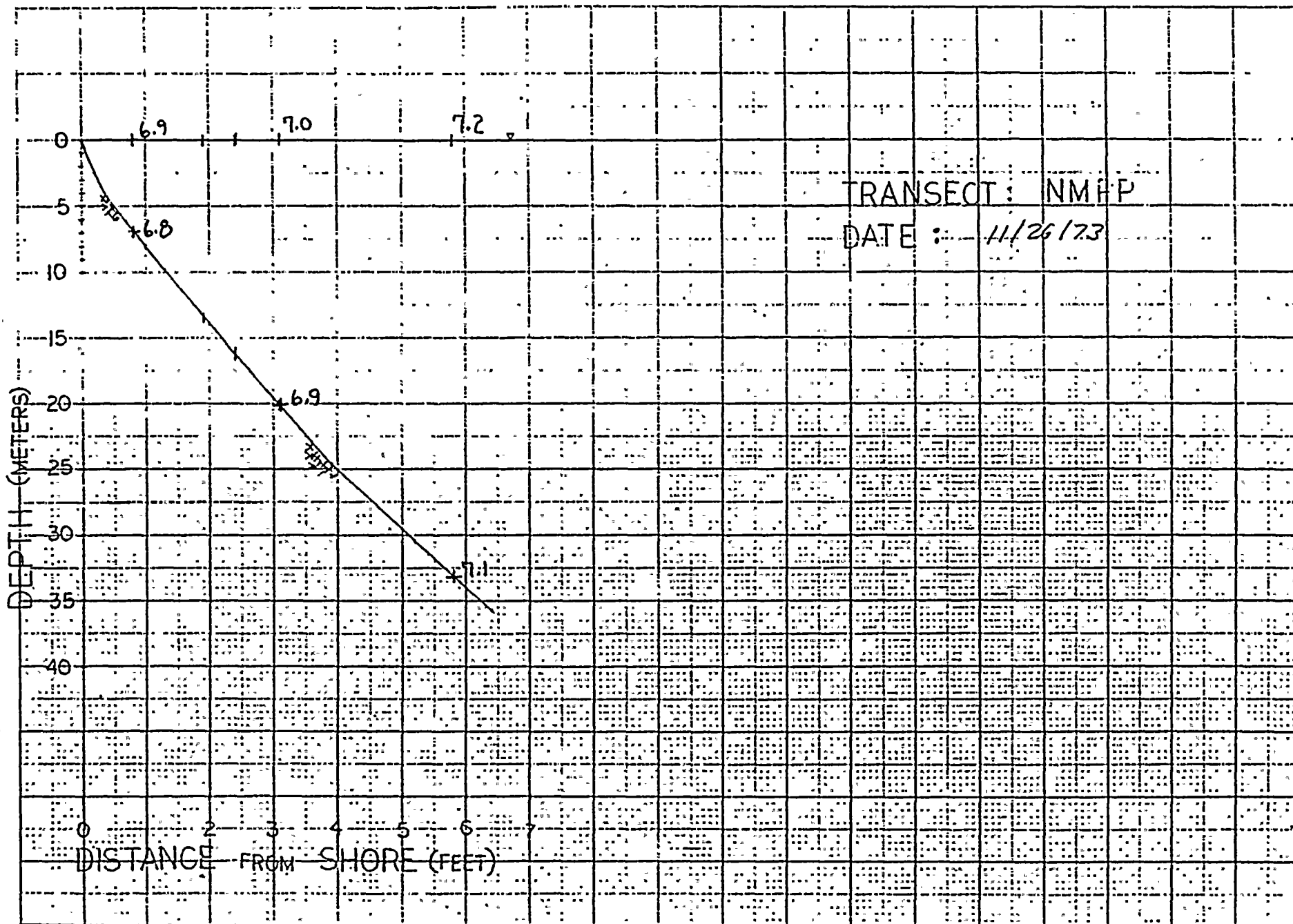


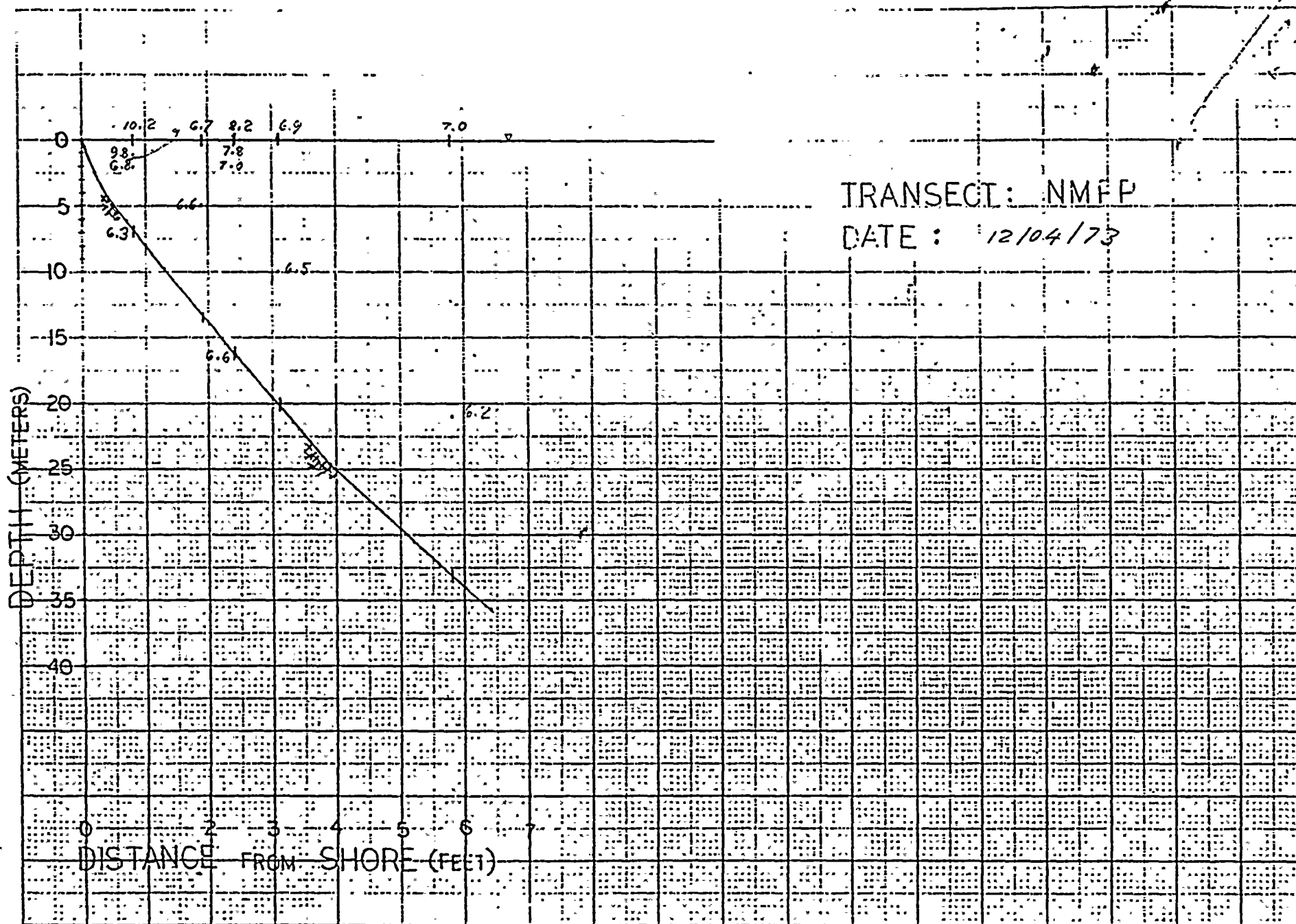


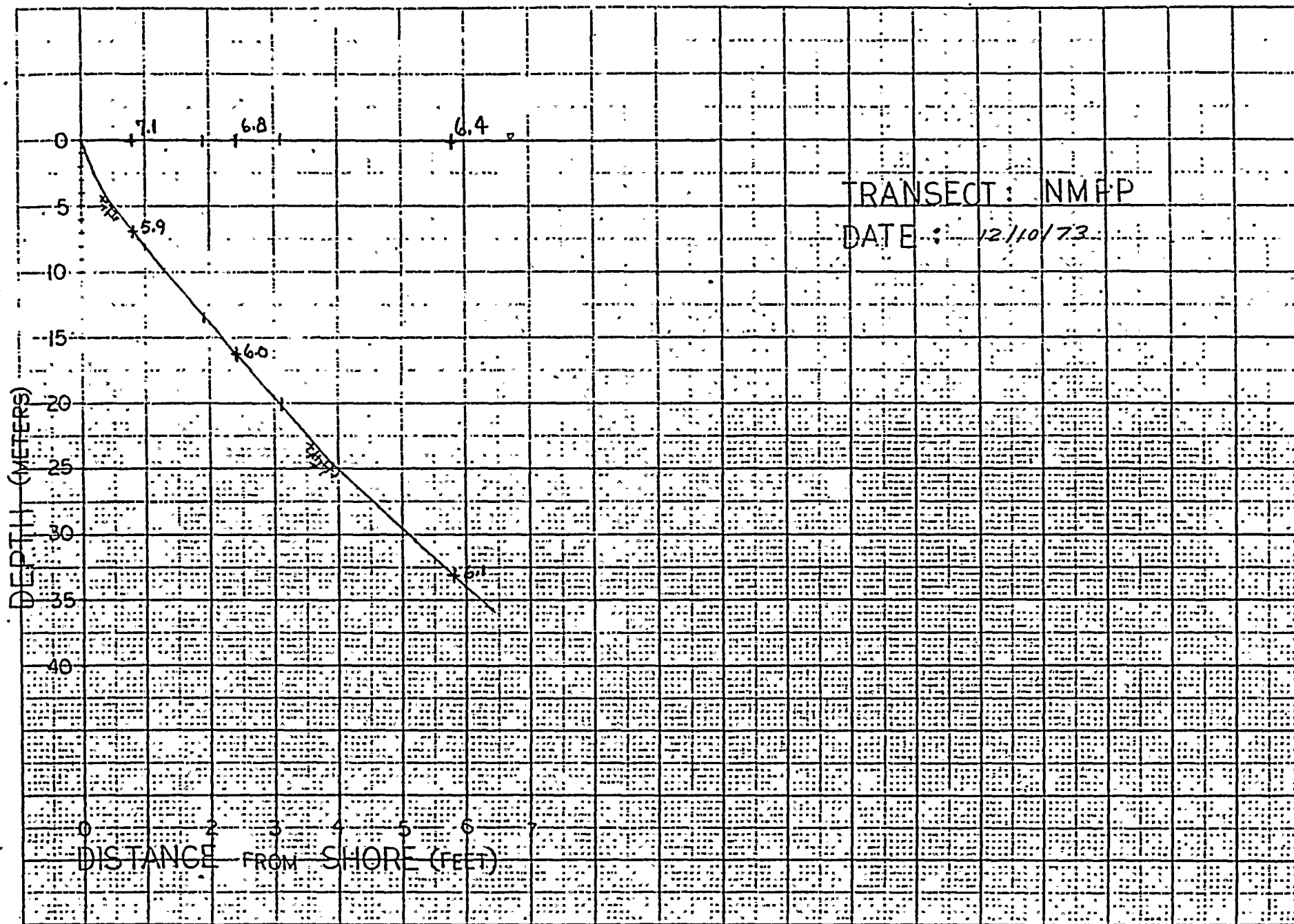










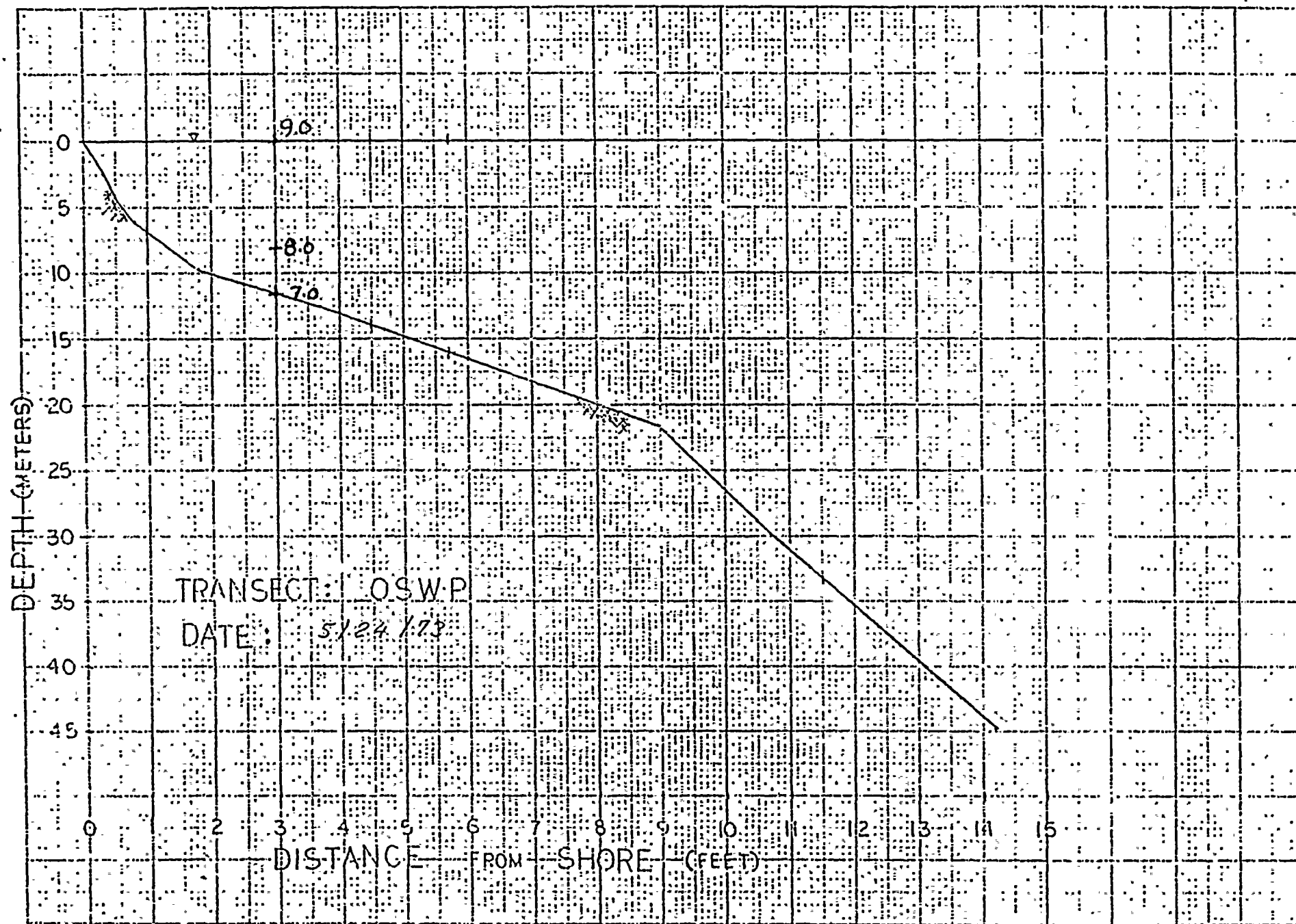


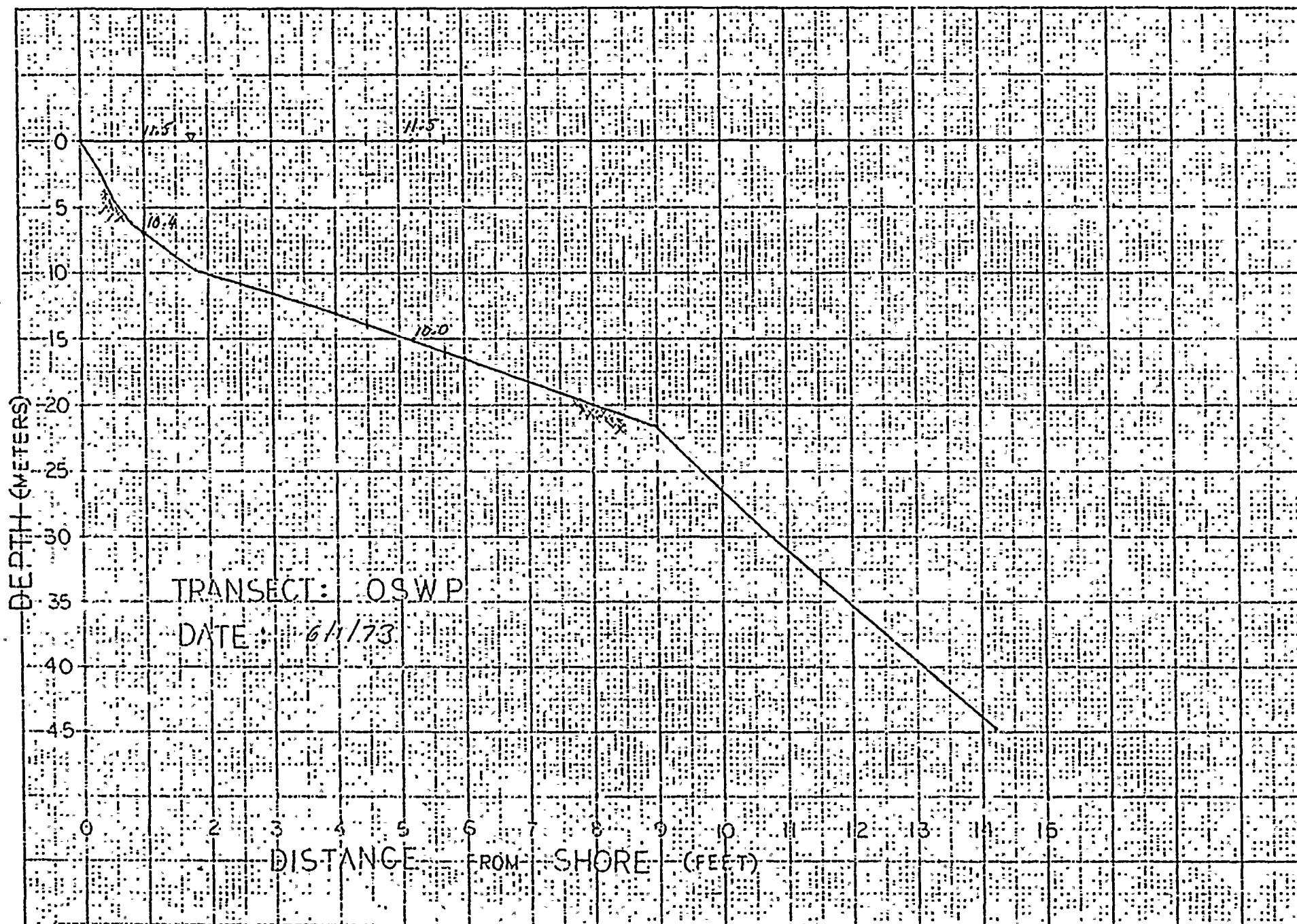


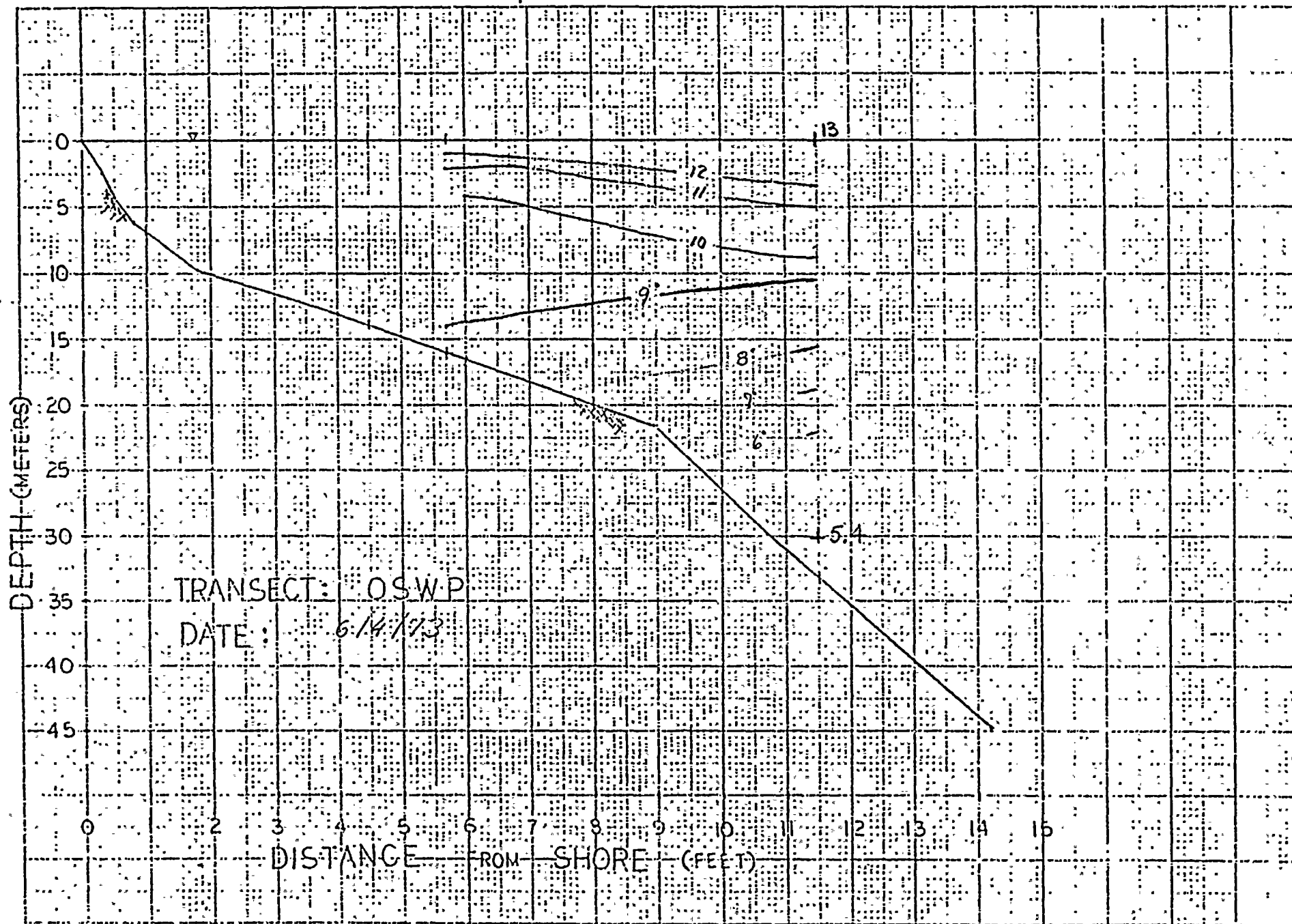
Temperature Profiles

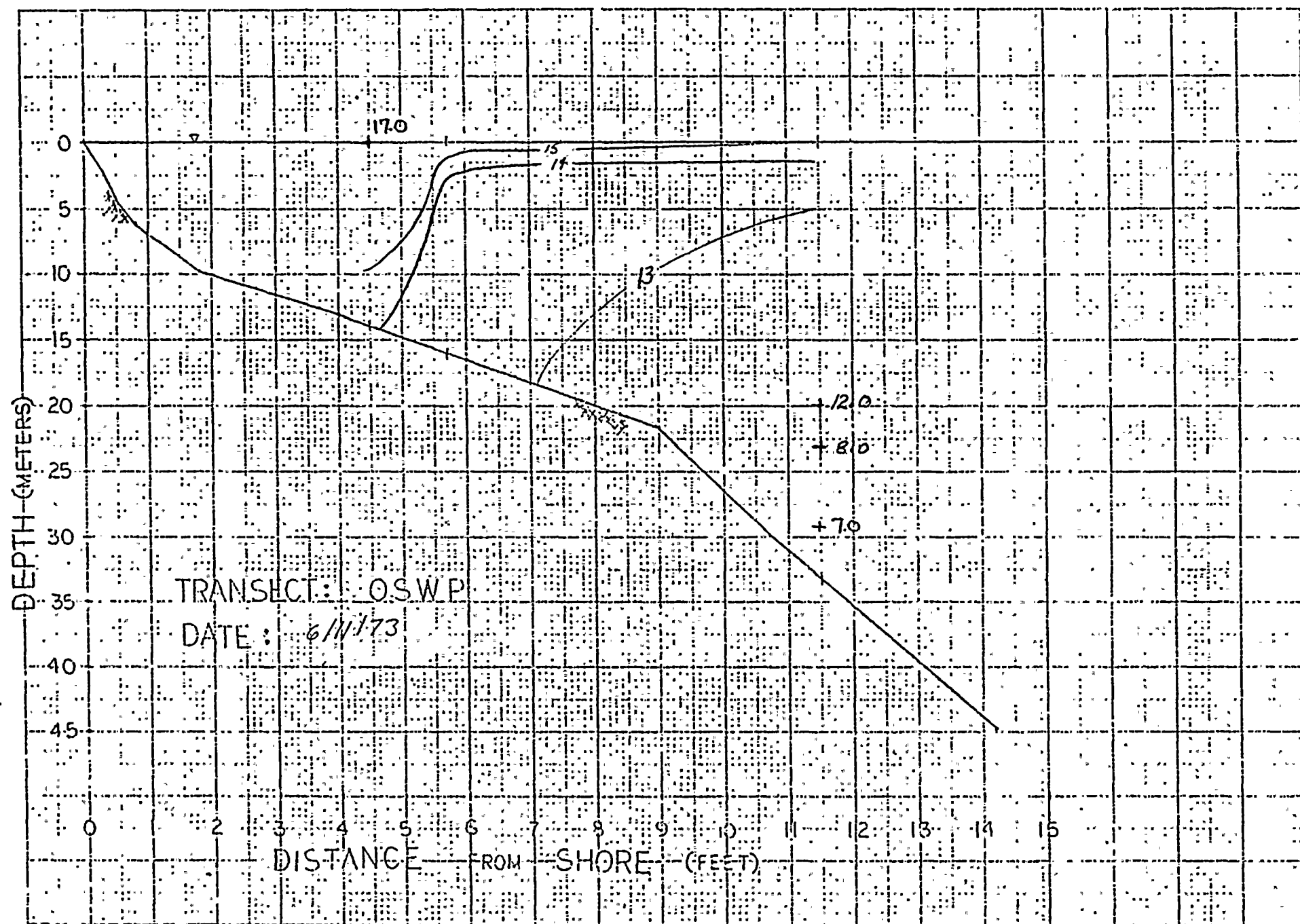
OSWEGO STEAM STATION TRANSECT

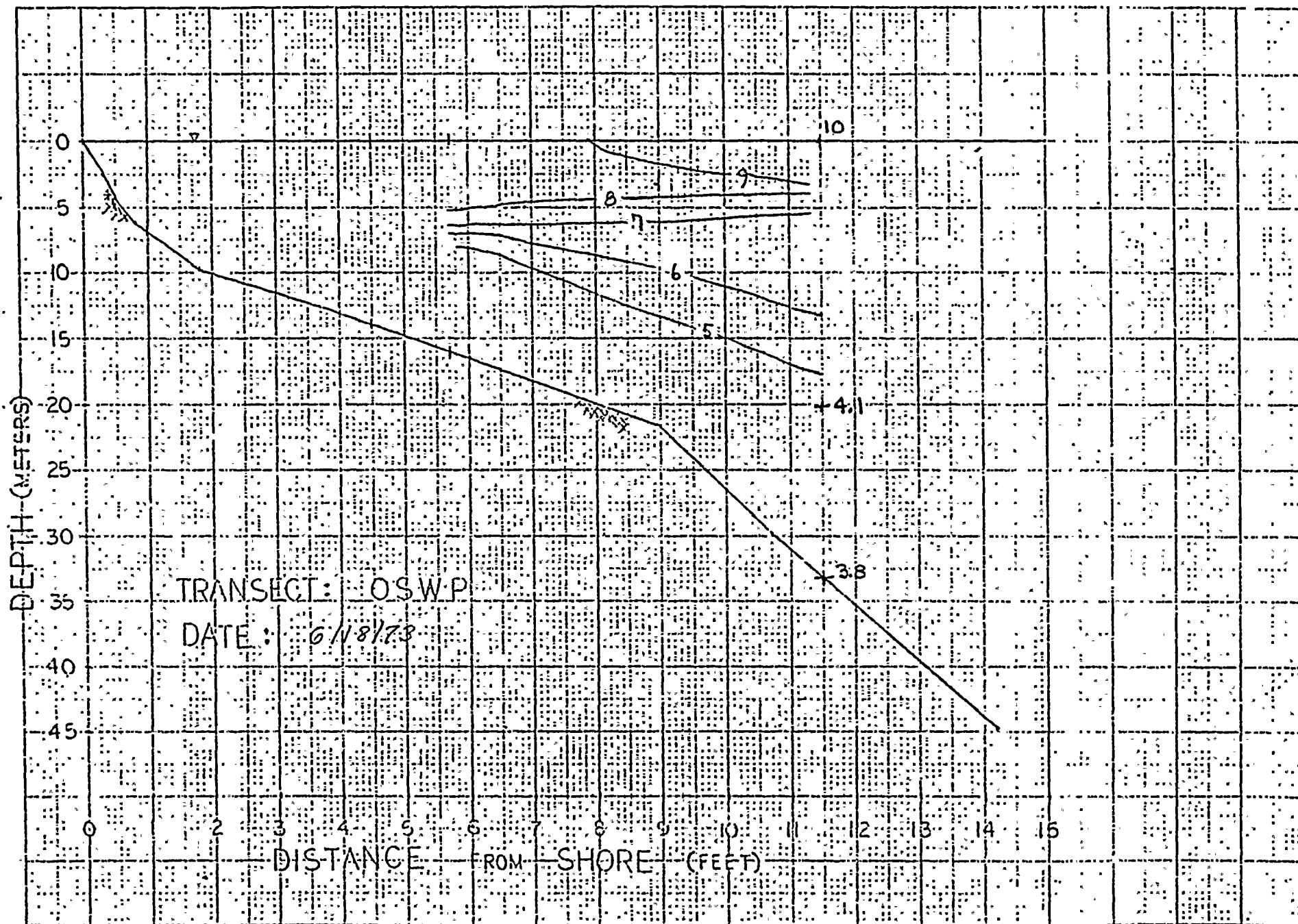
May 30 - December 10, 1973

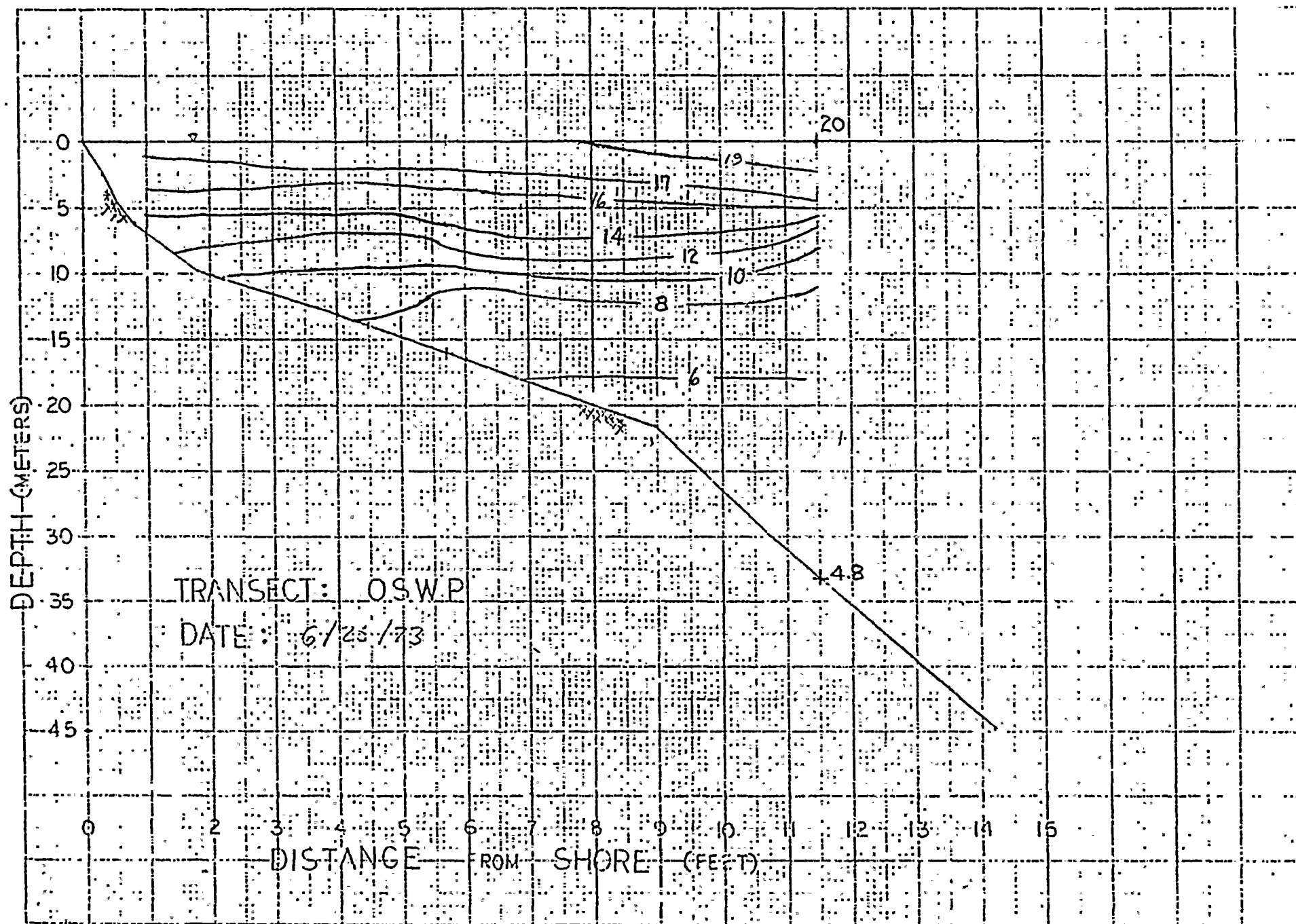


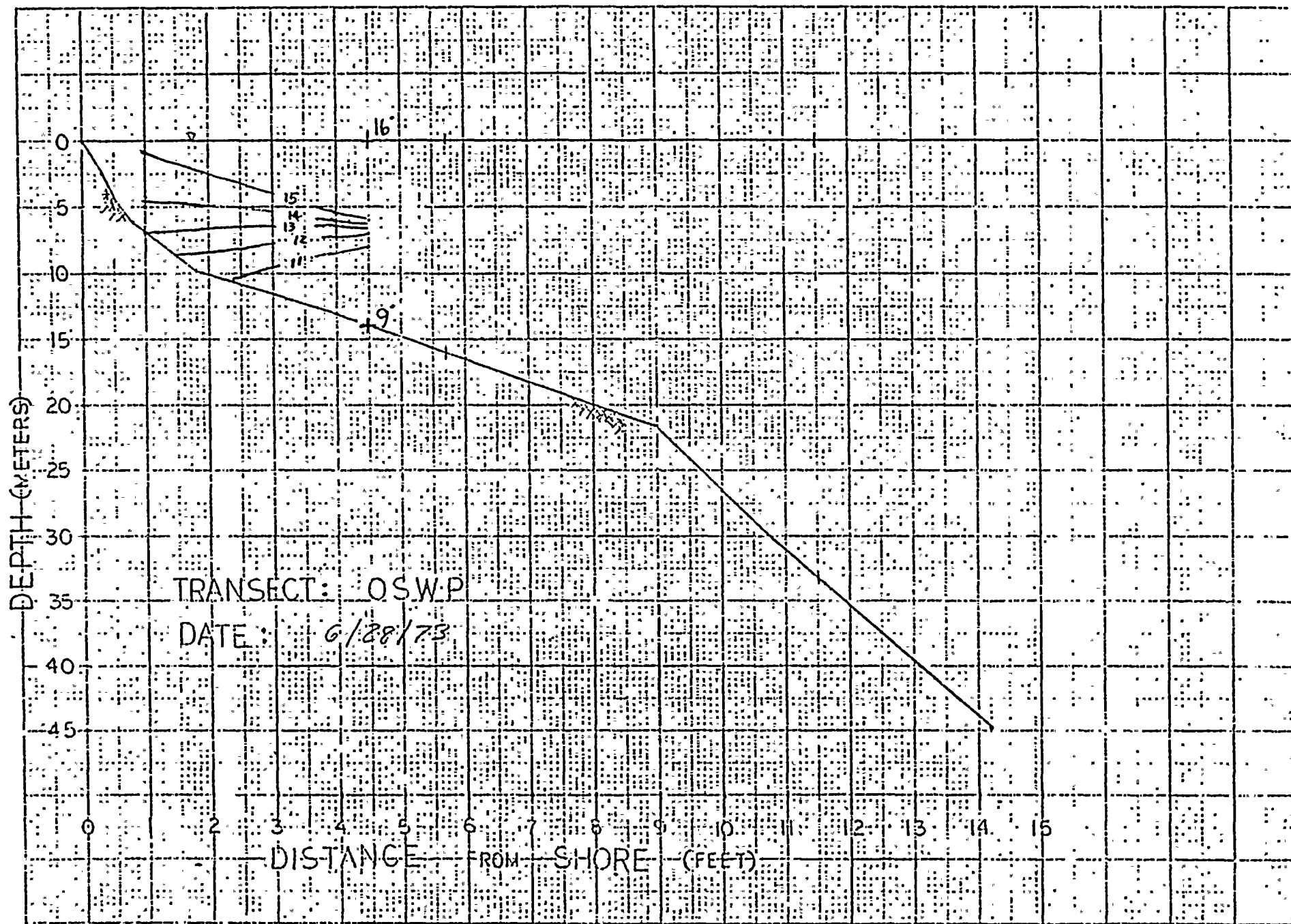




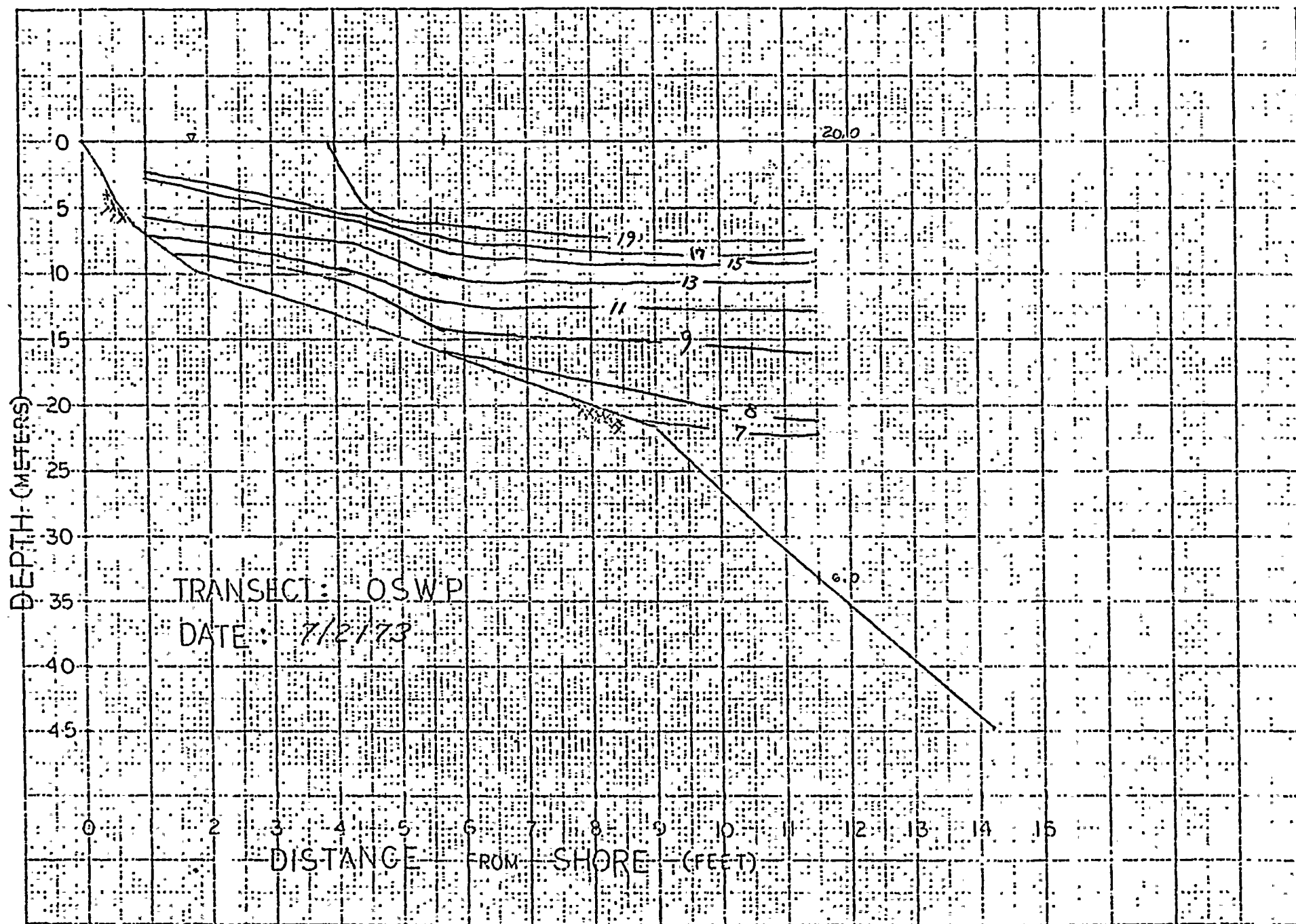


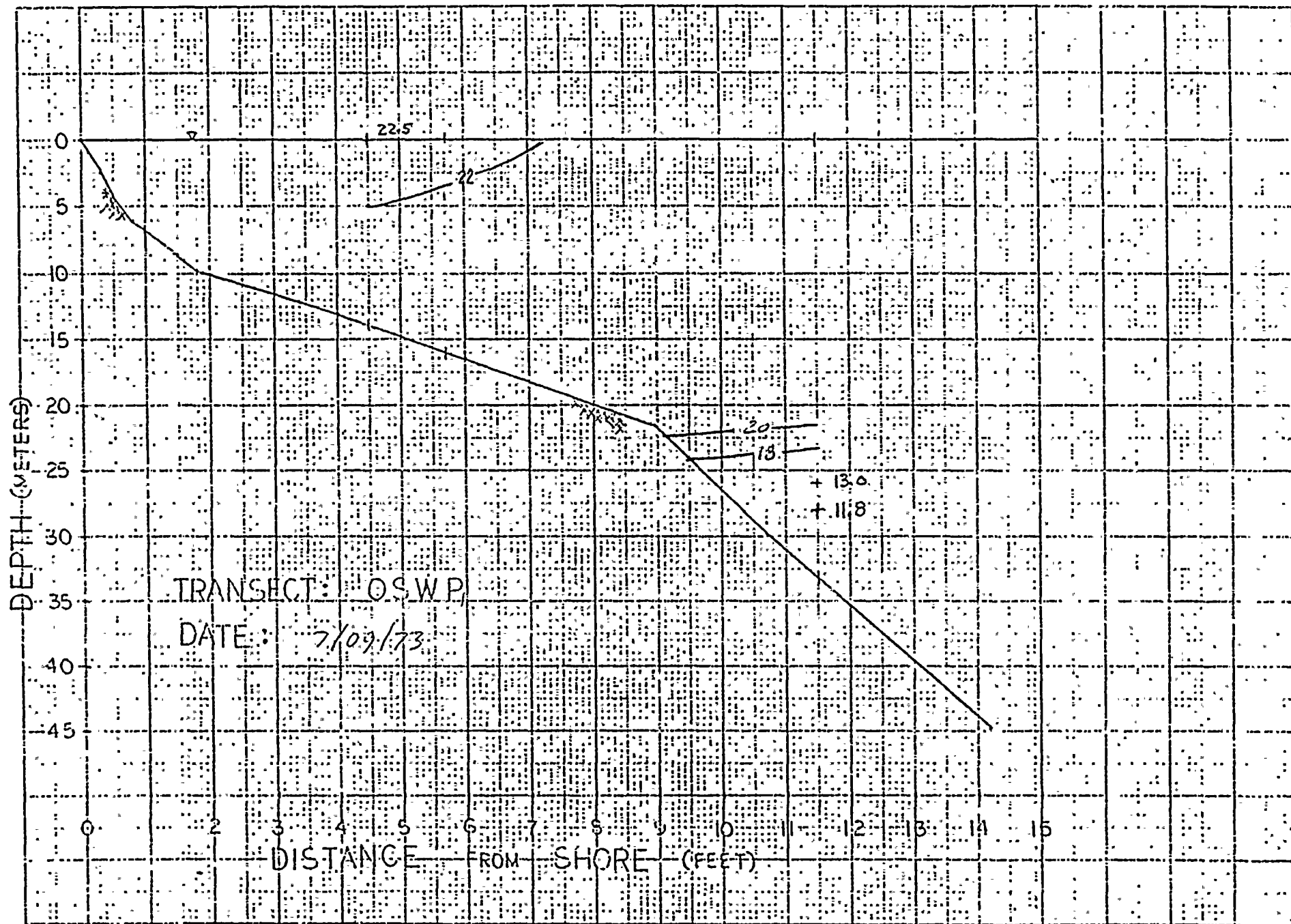


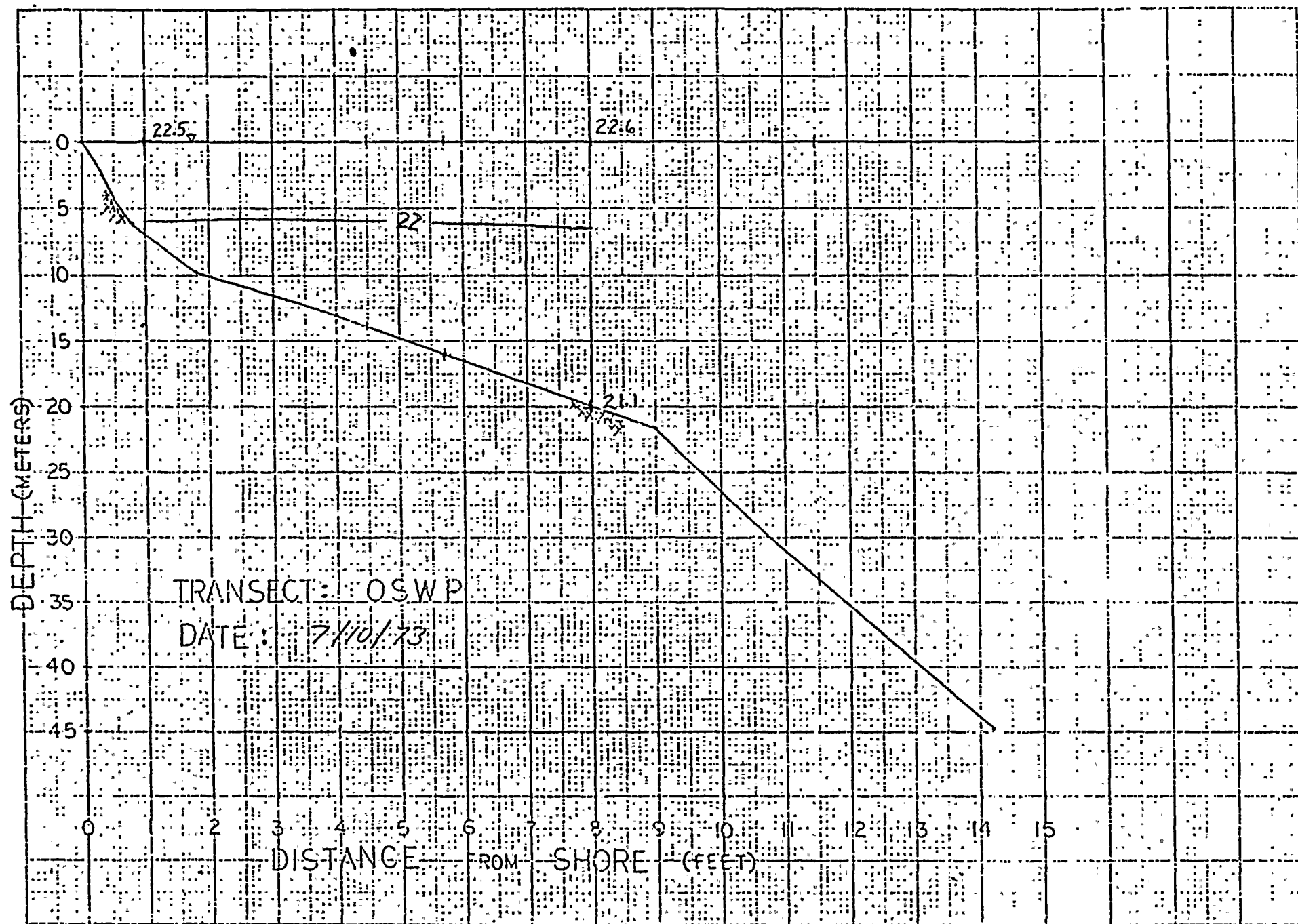


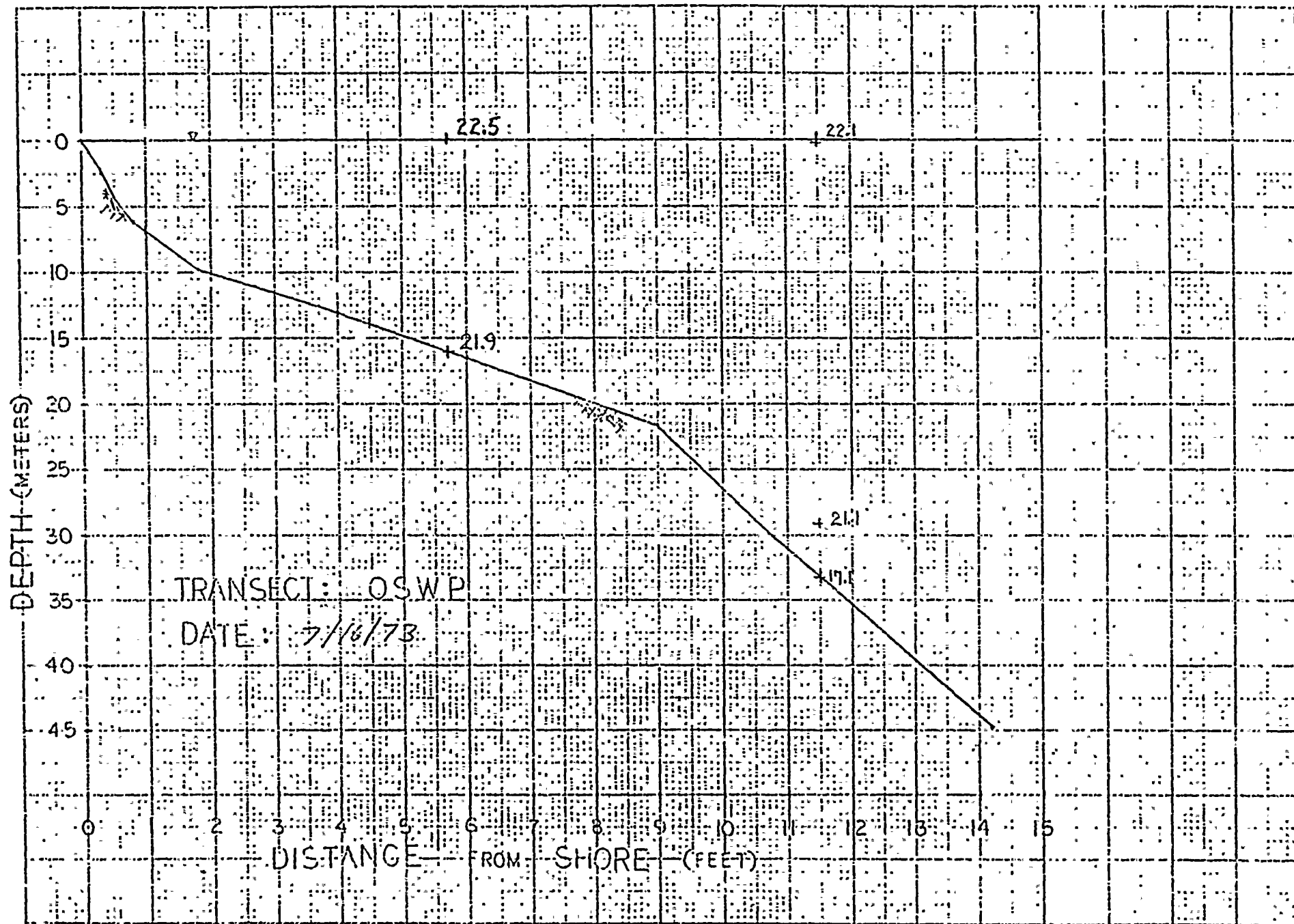


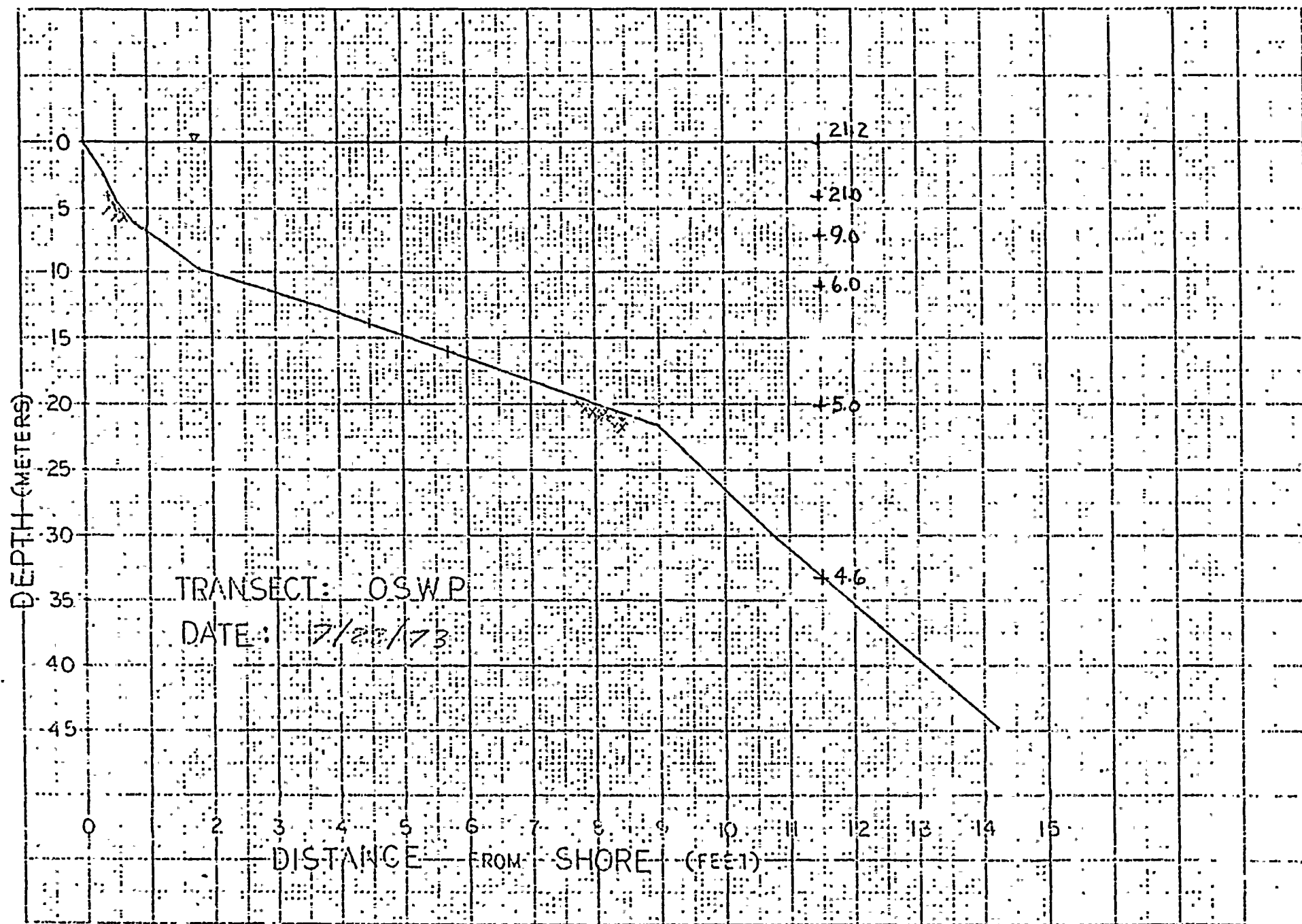


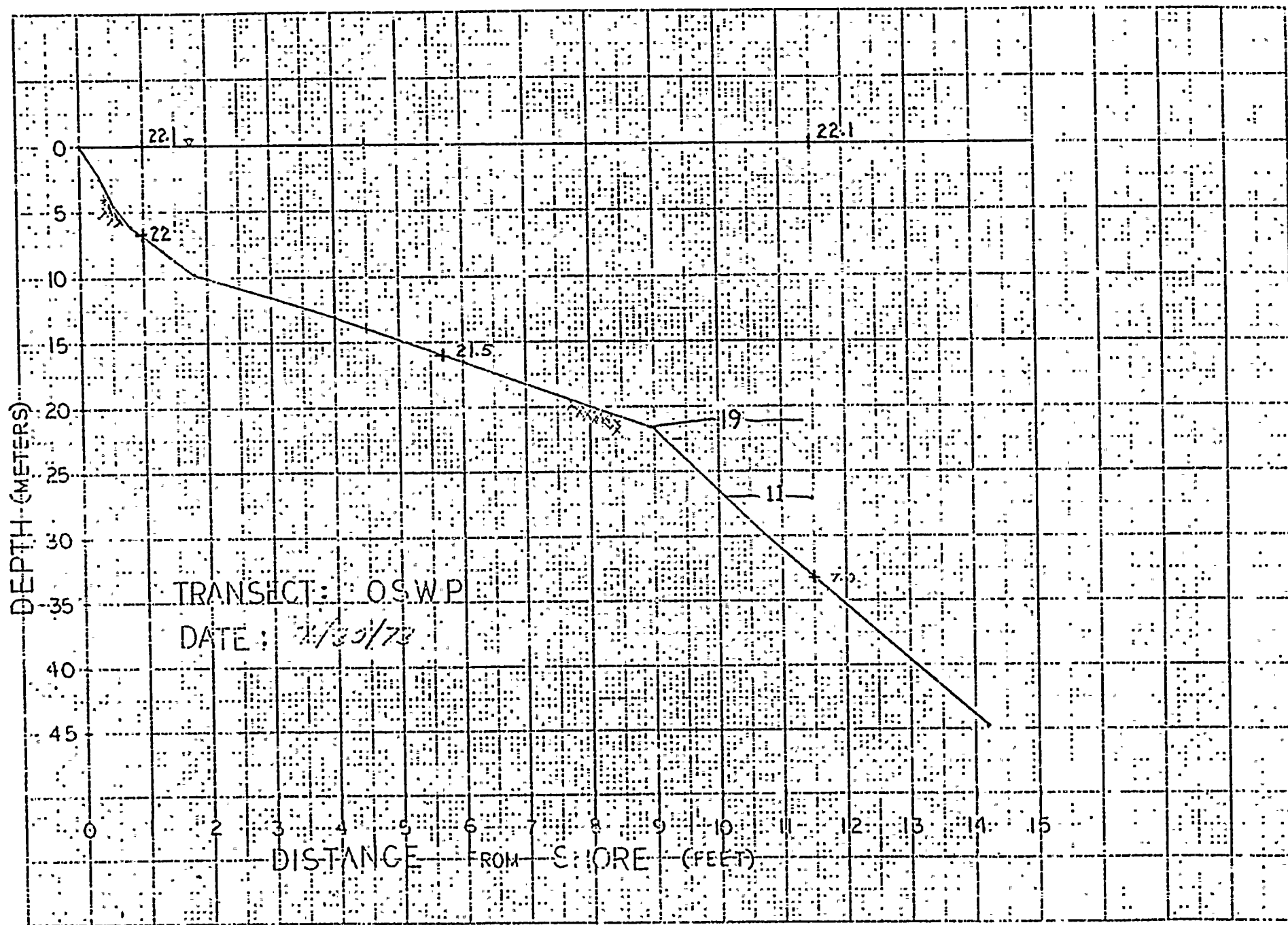


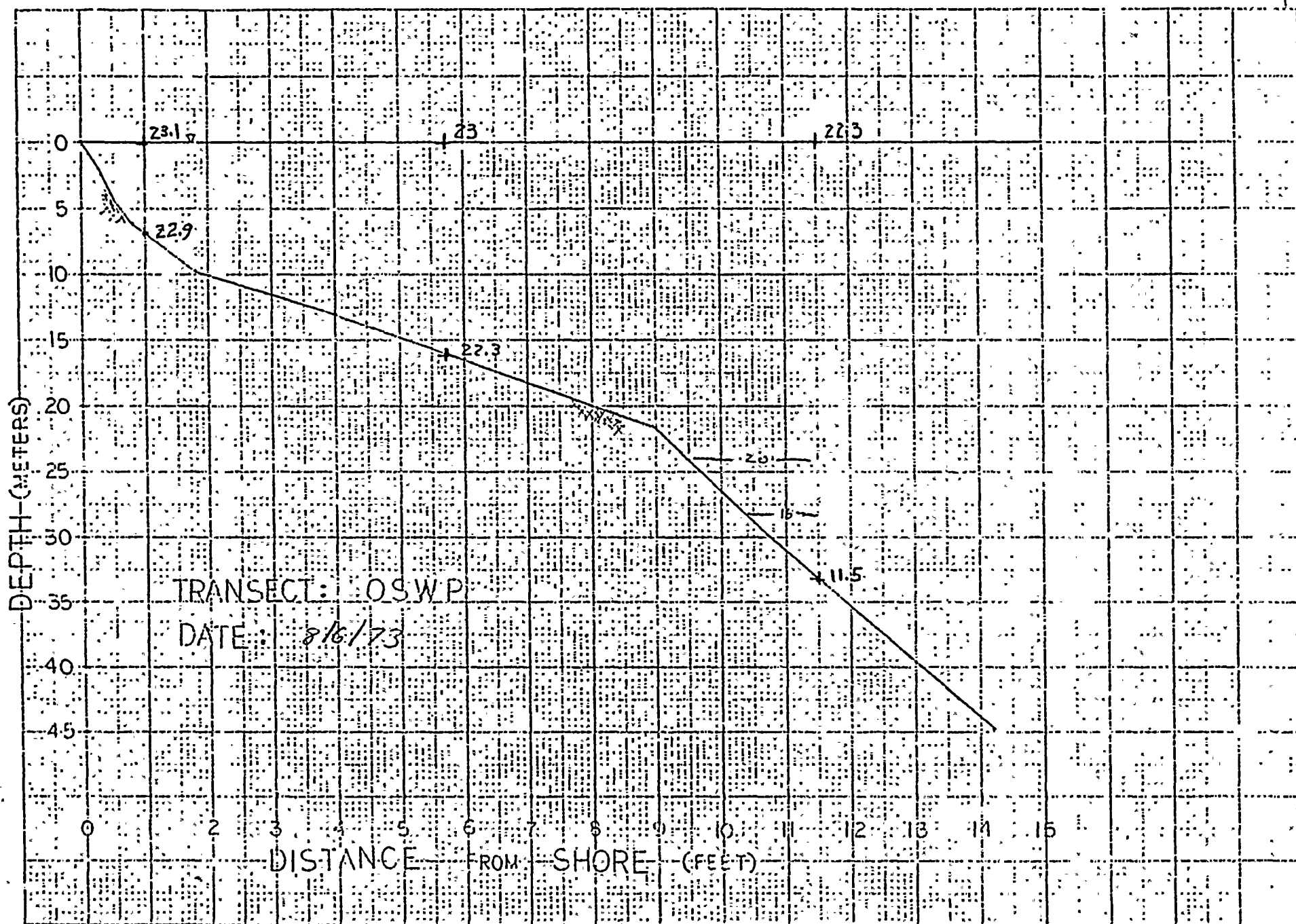




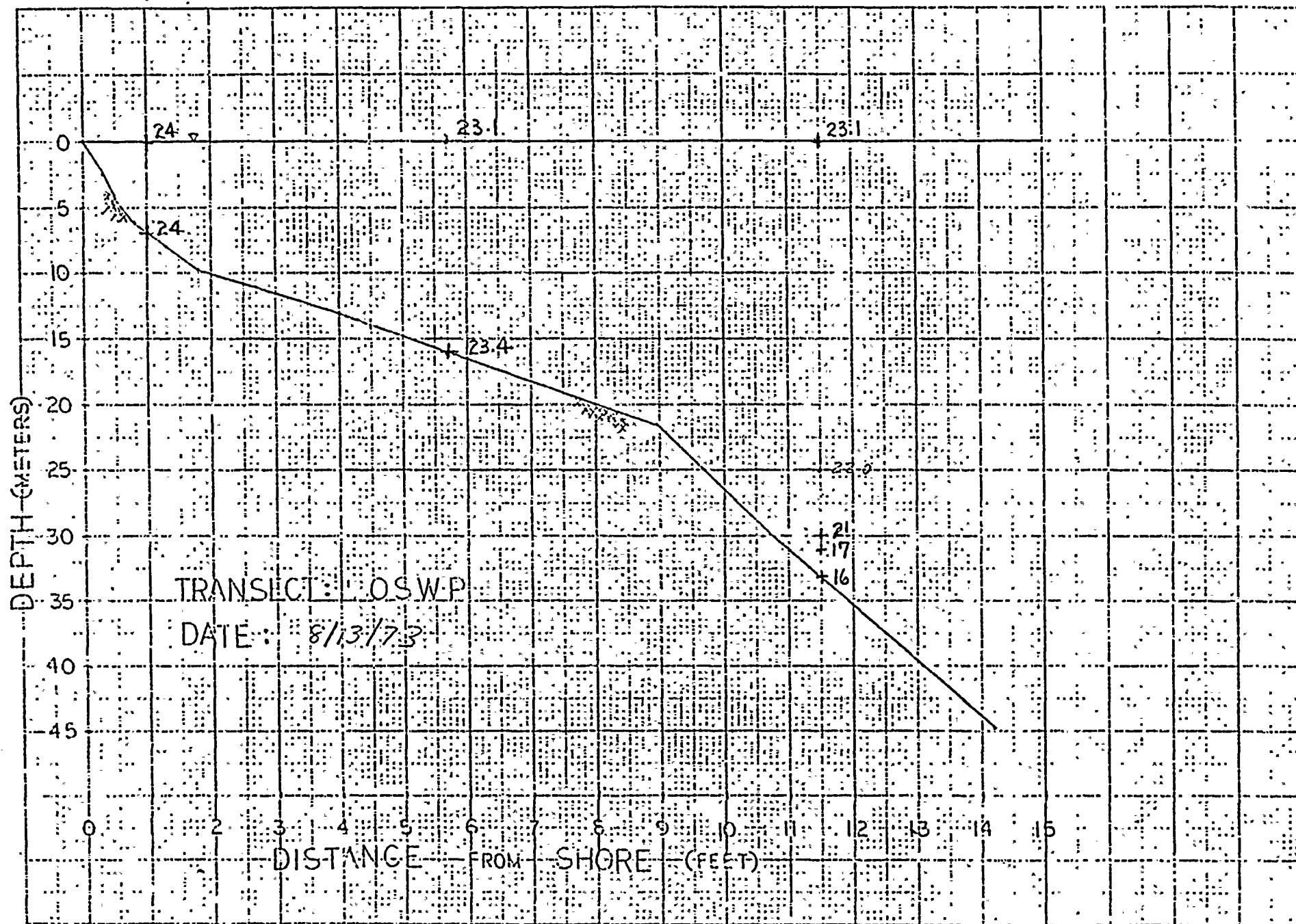




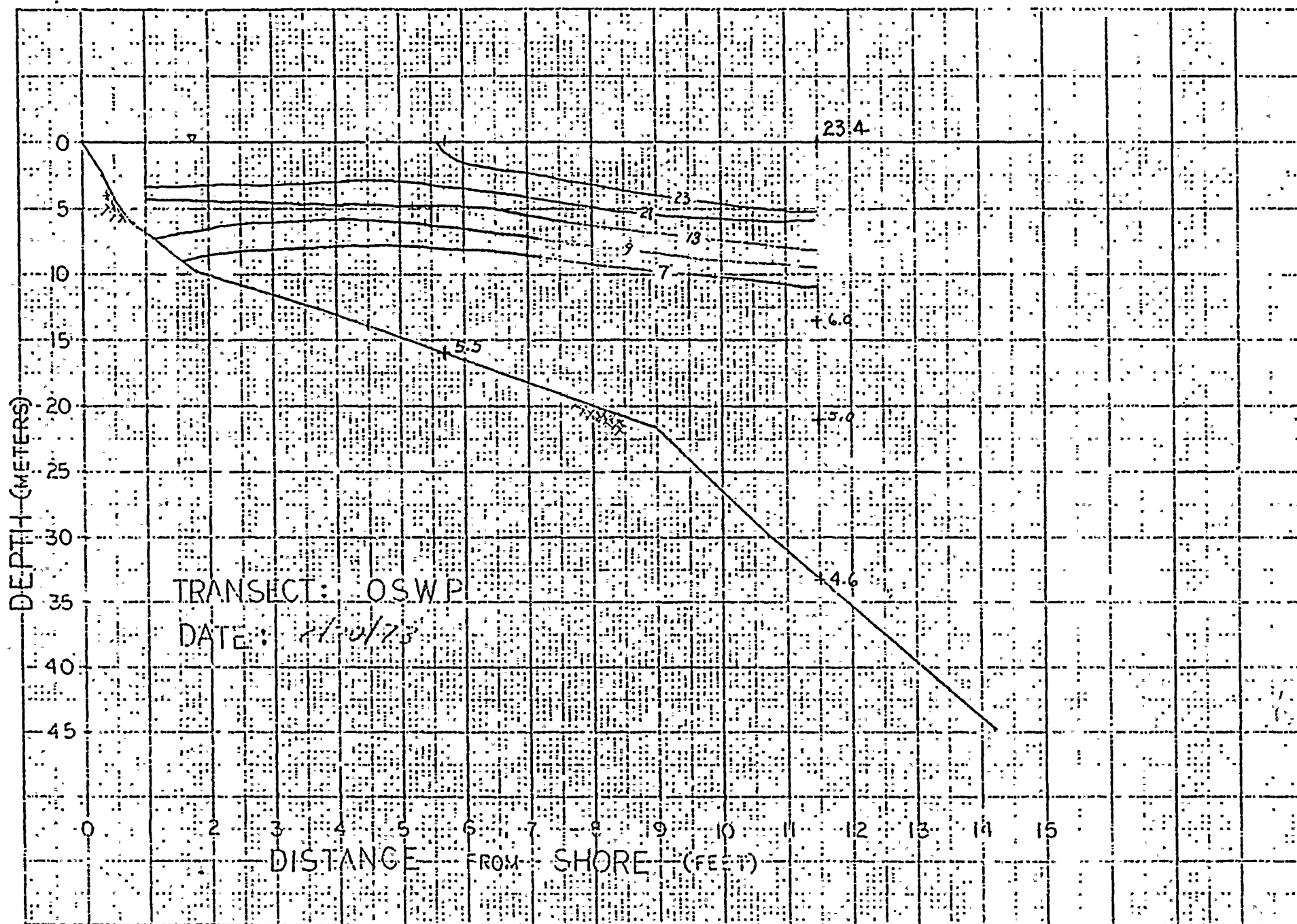


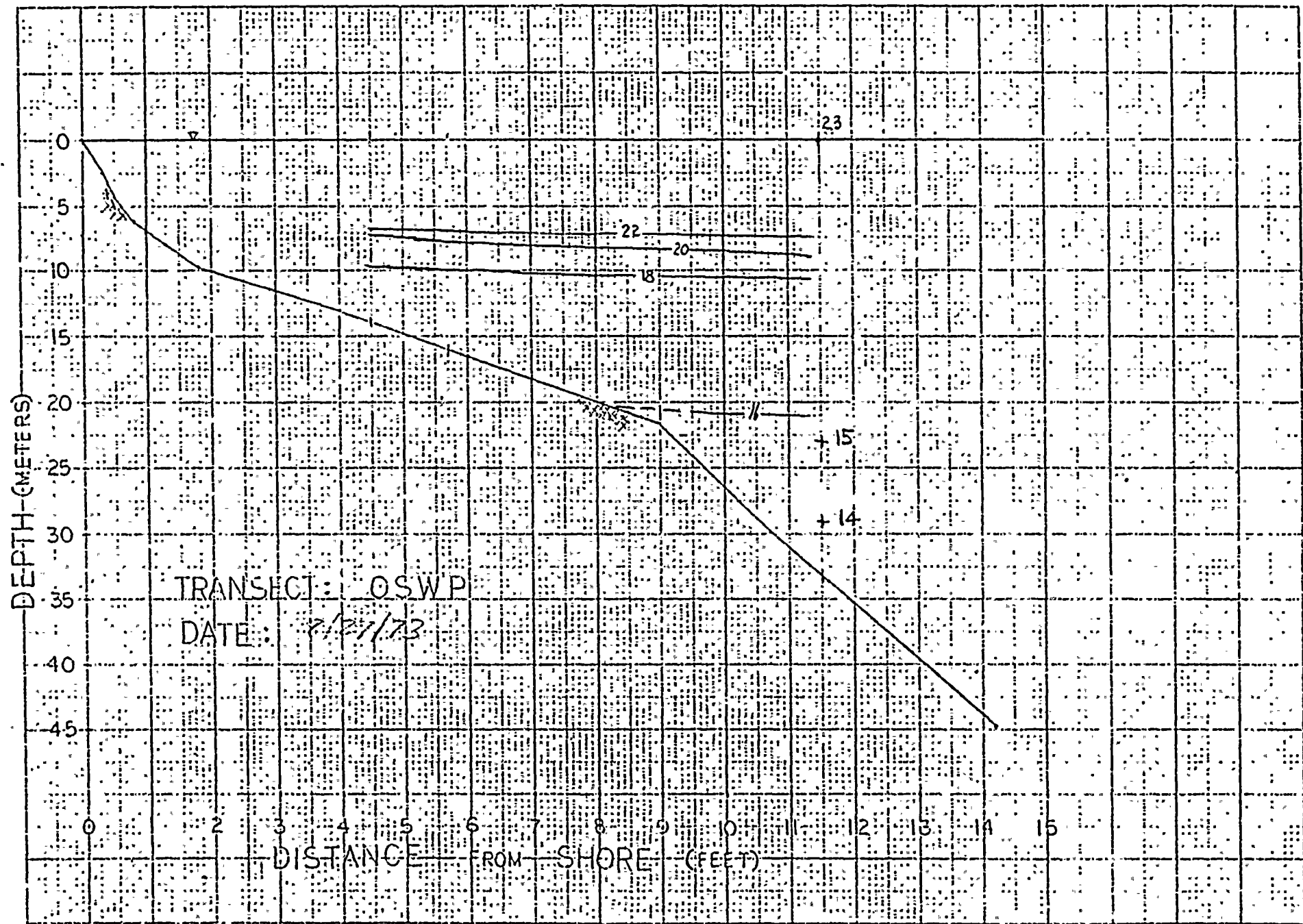


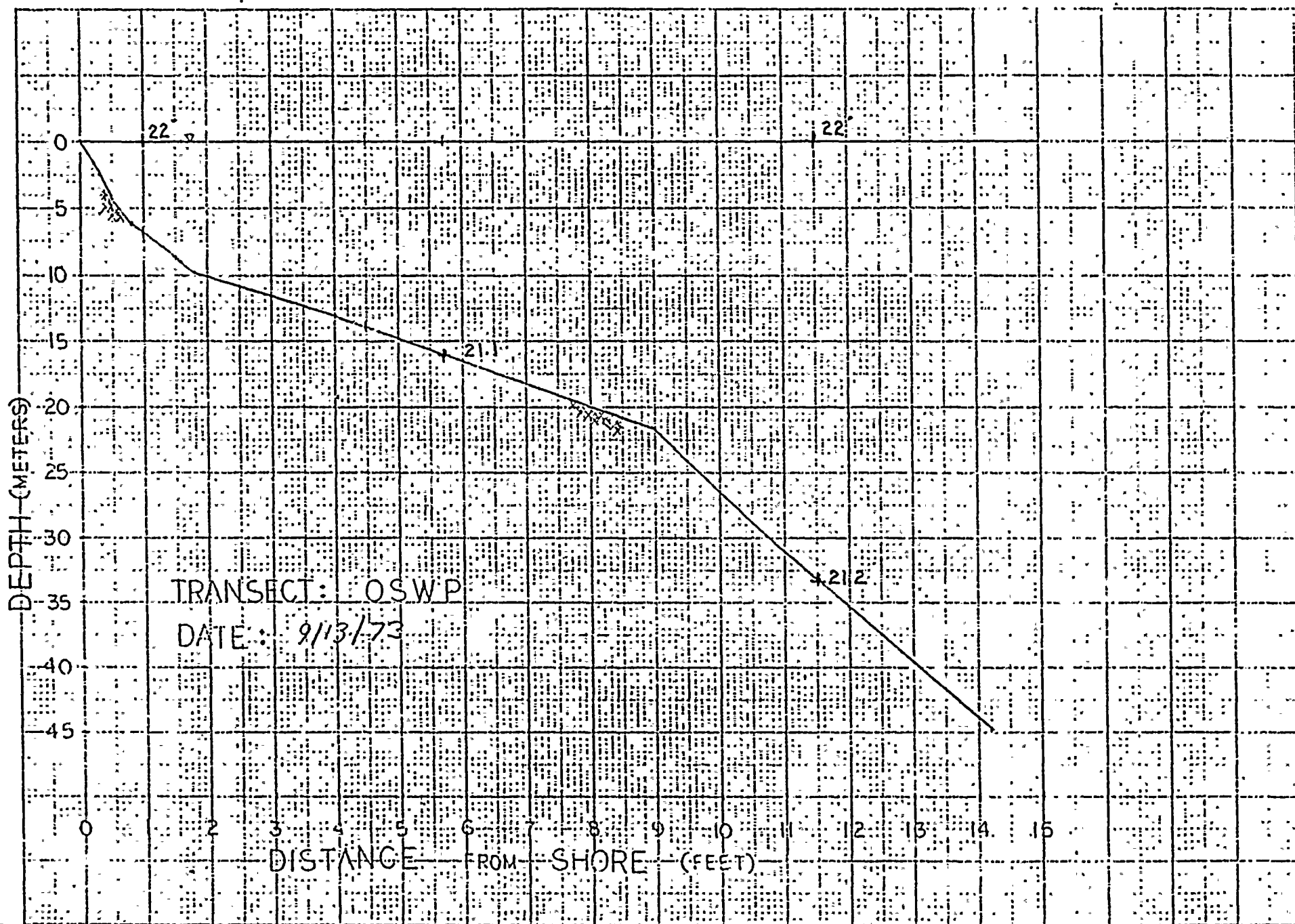


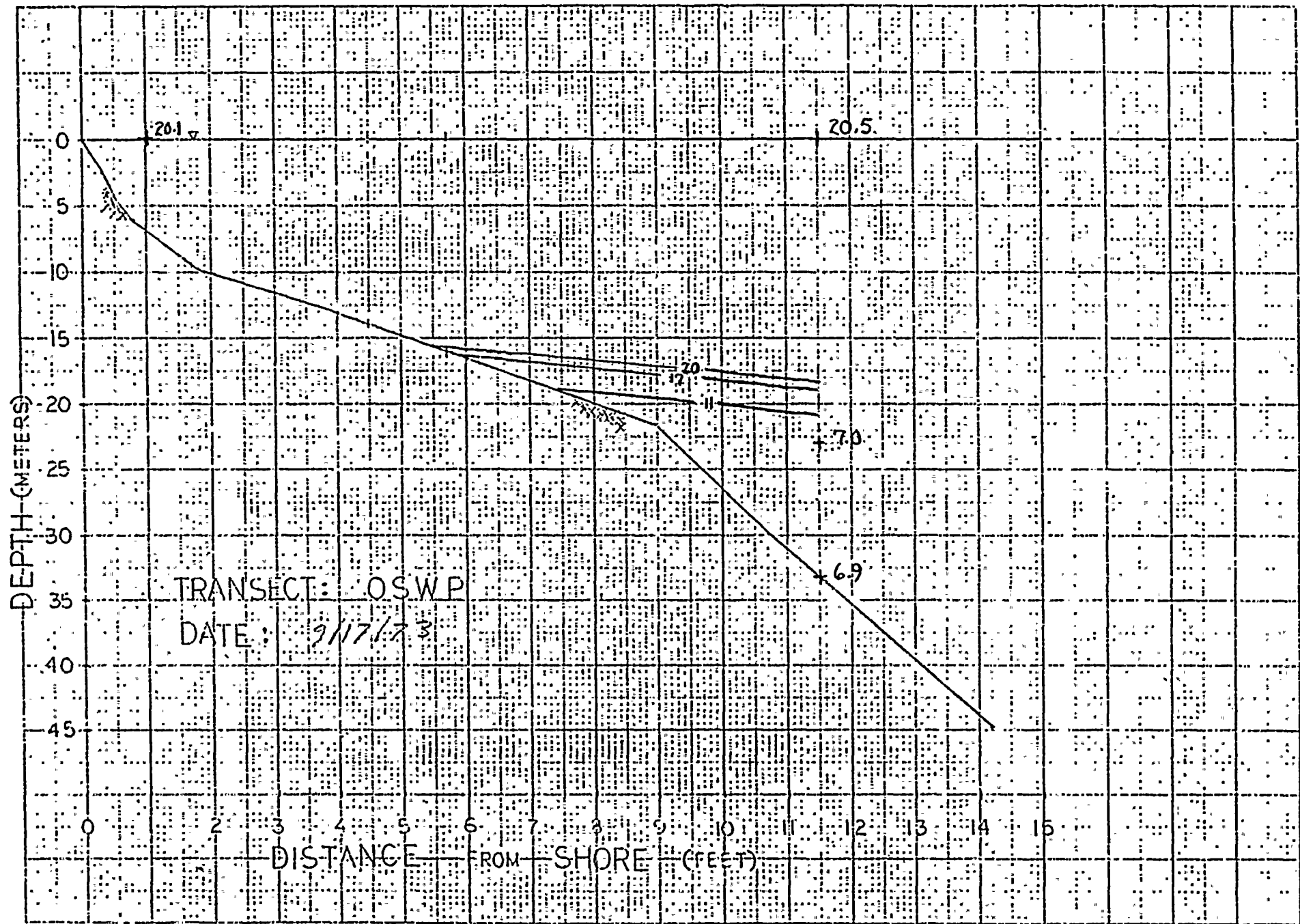


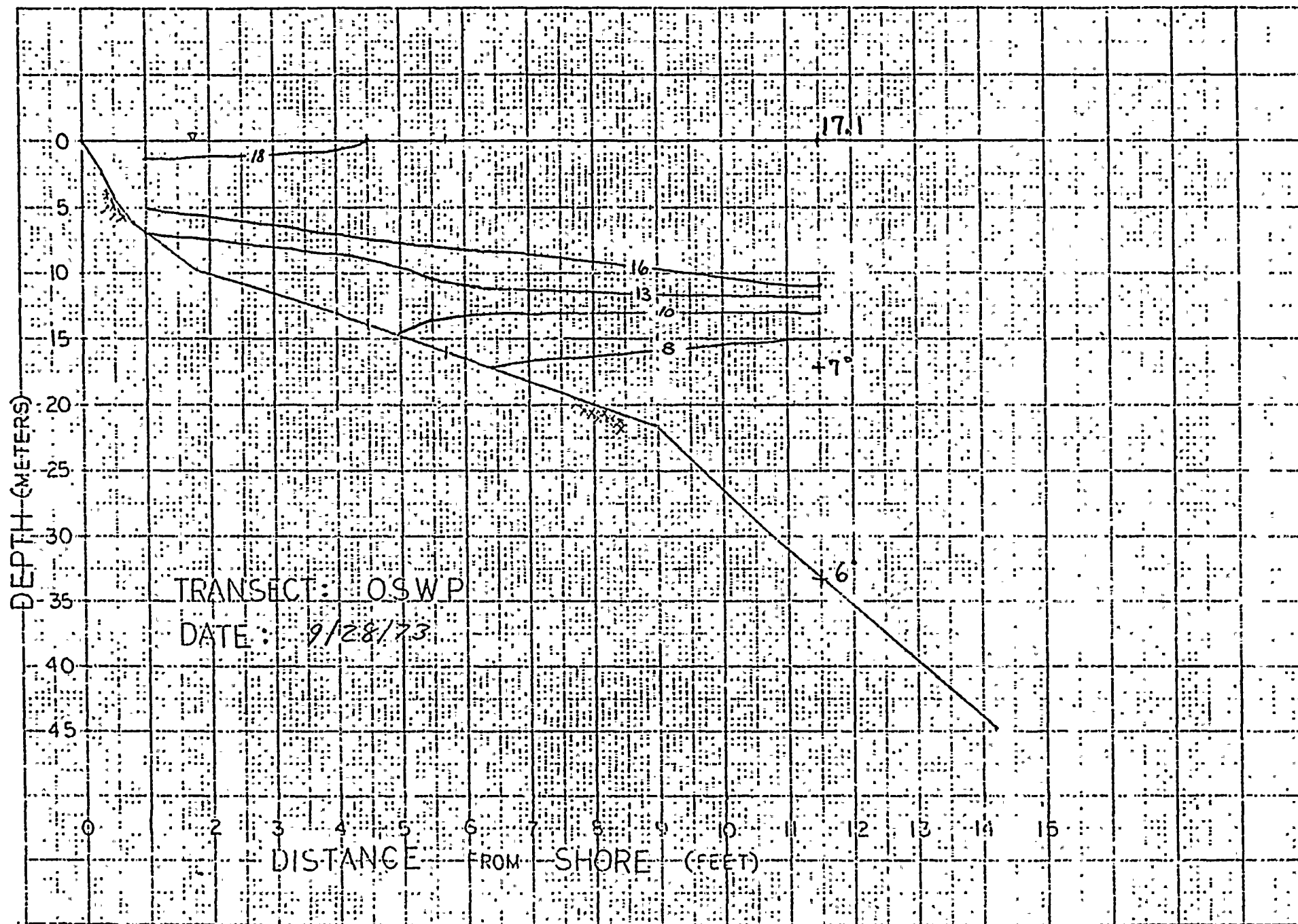


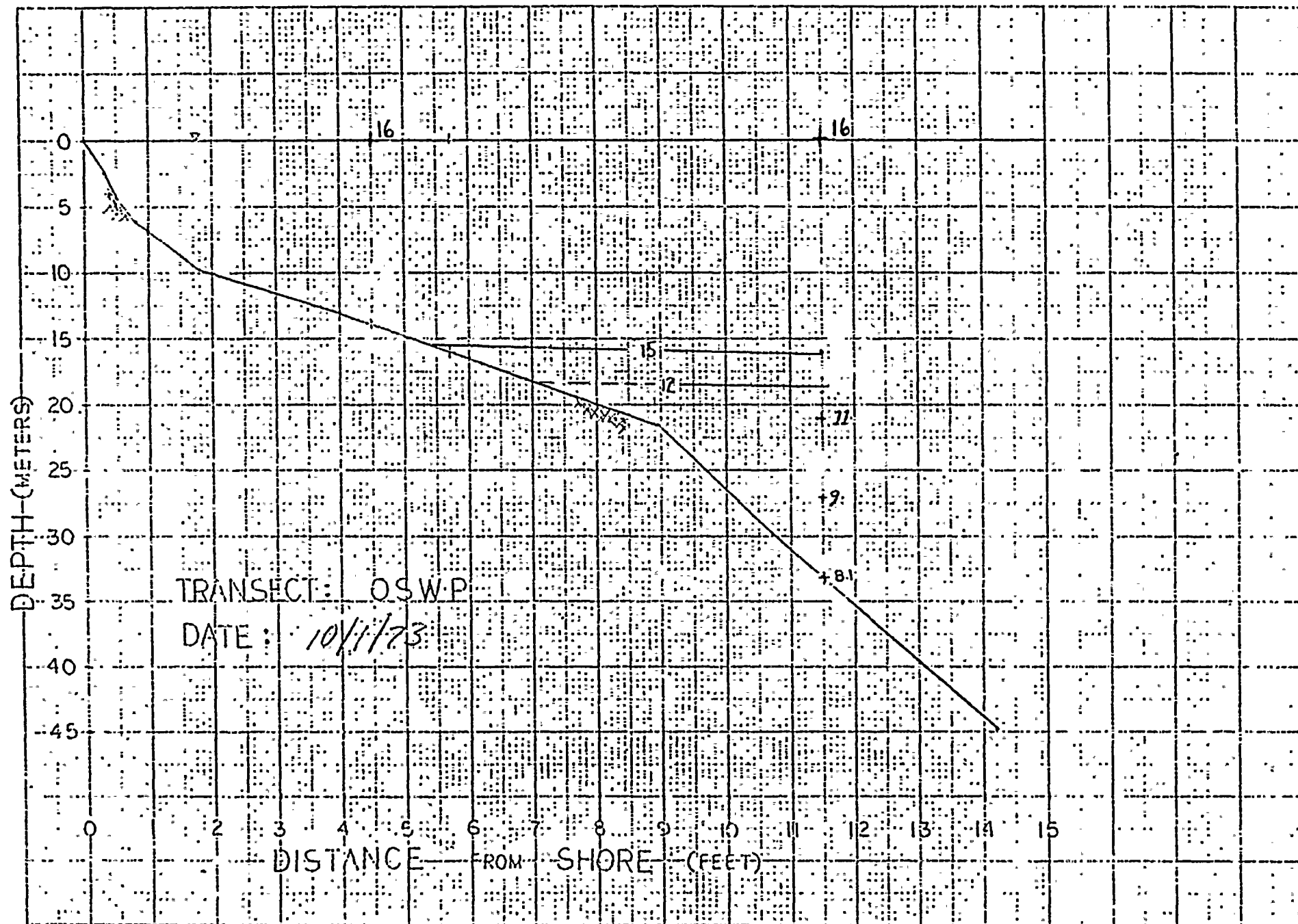


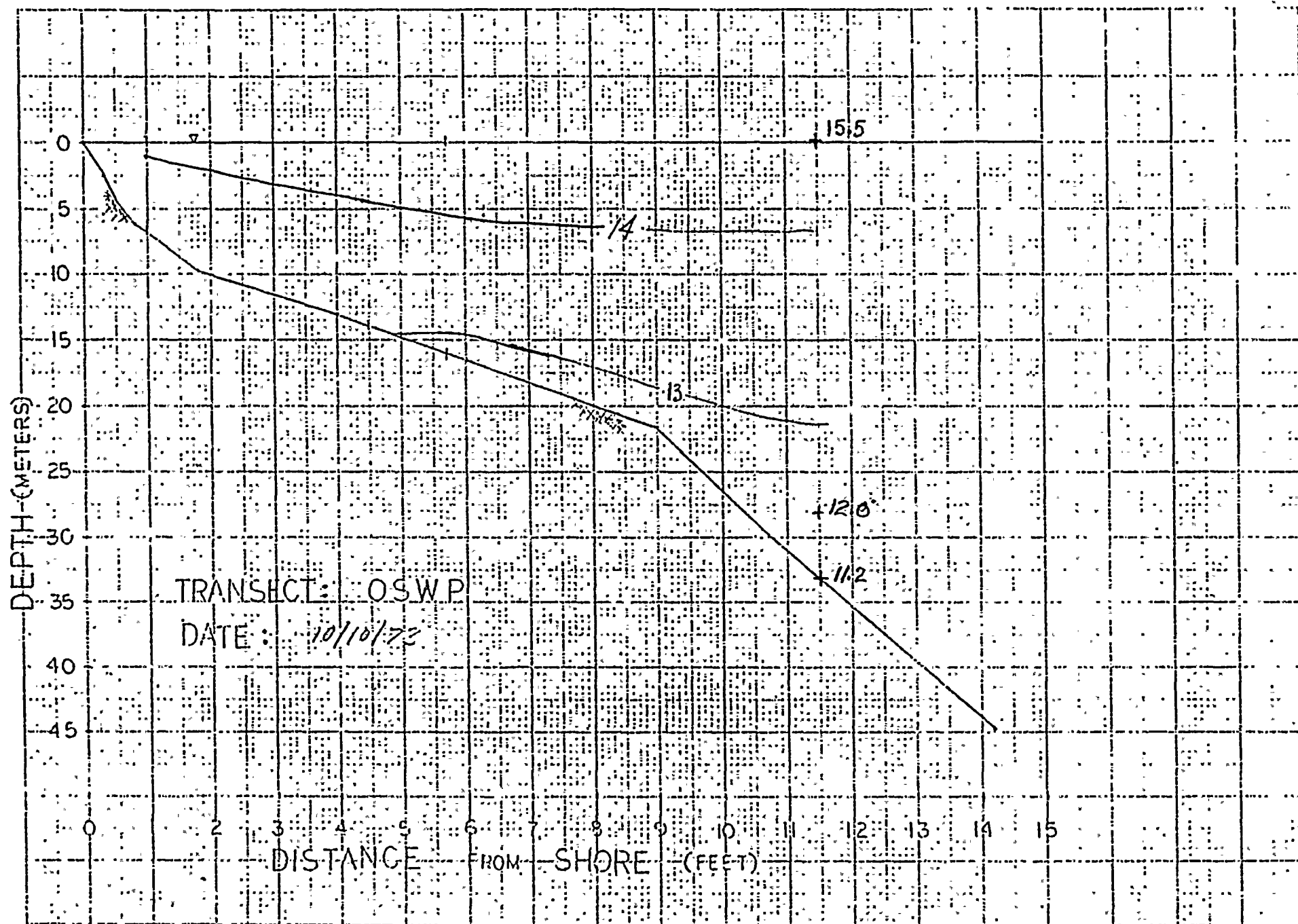




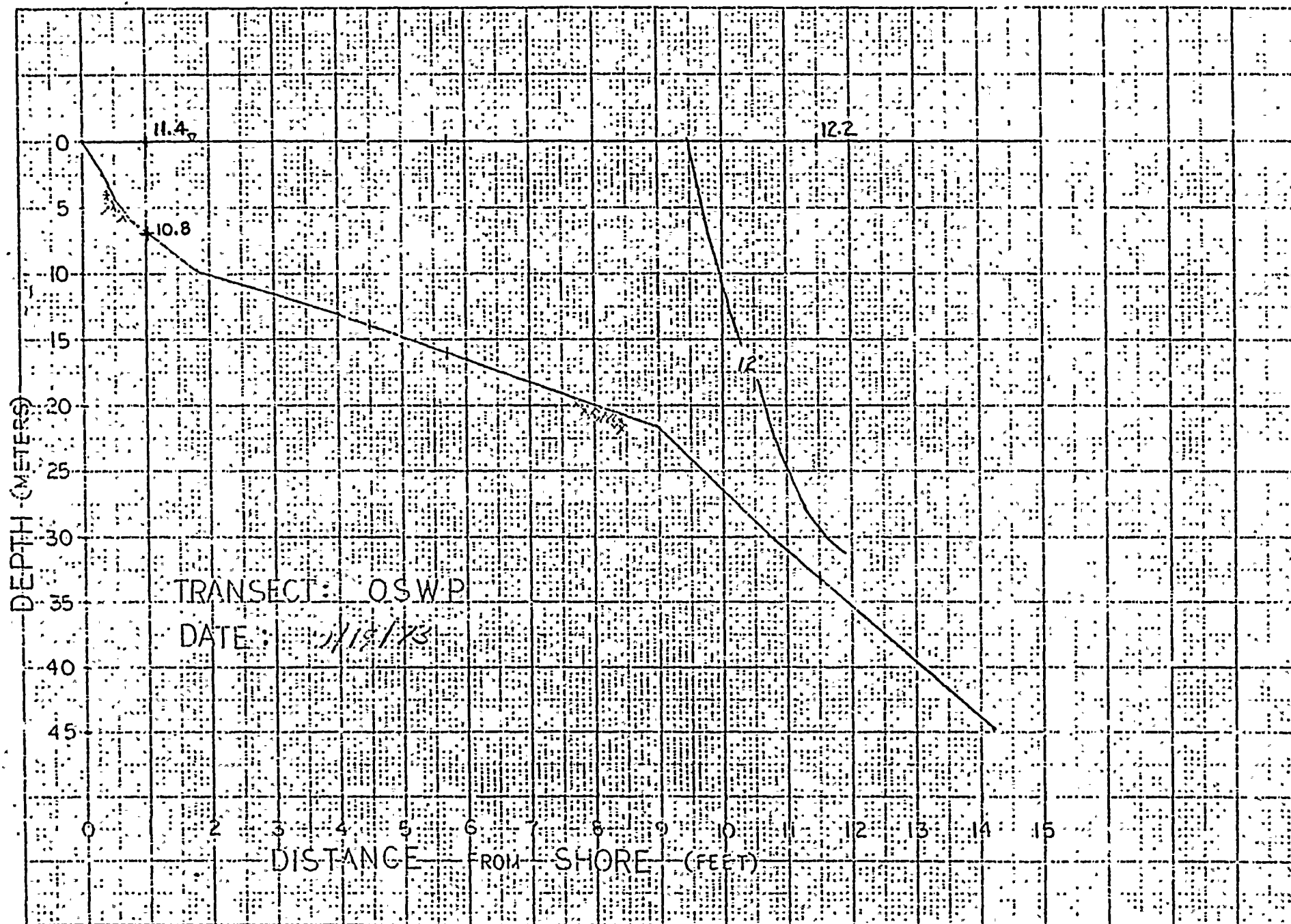




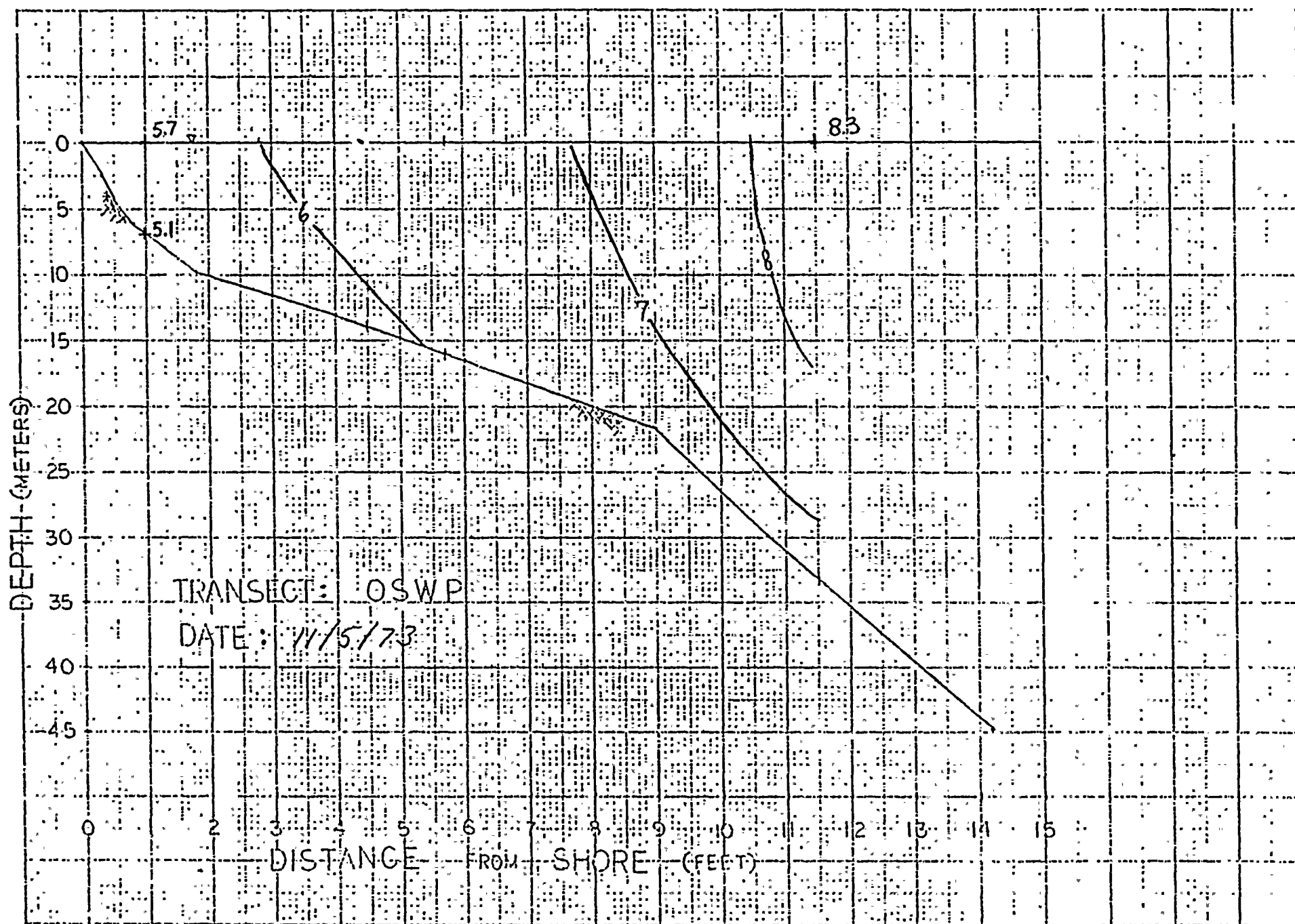


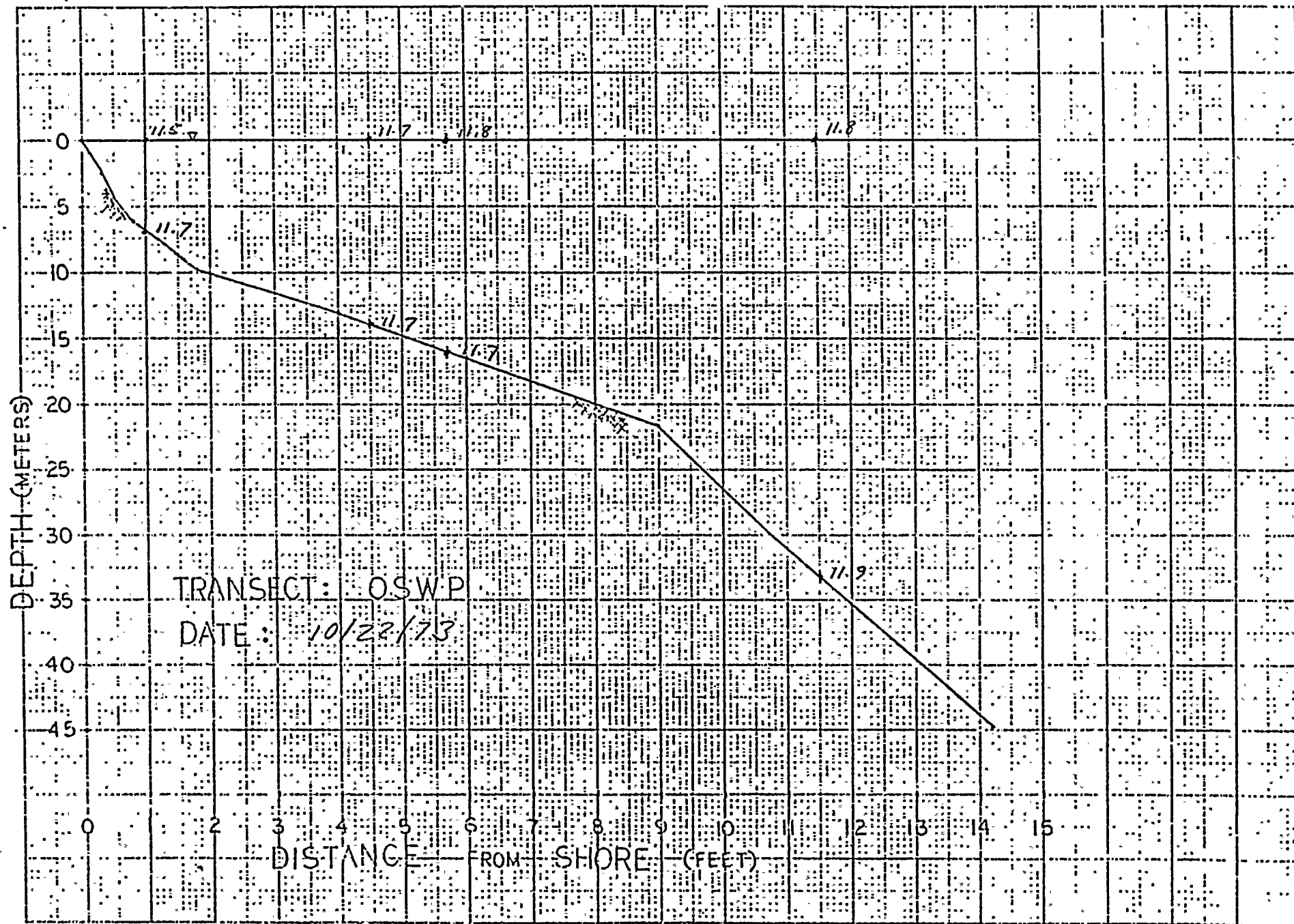


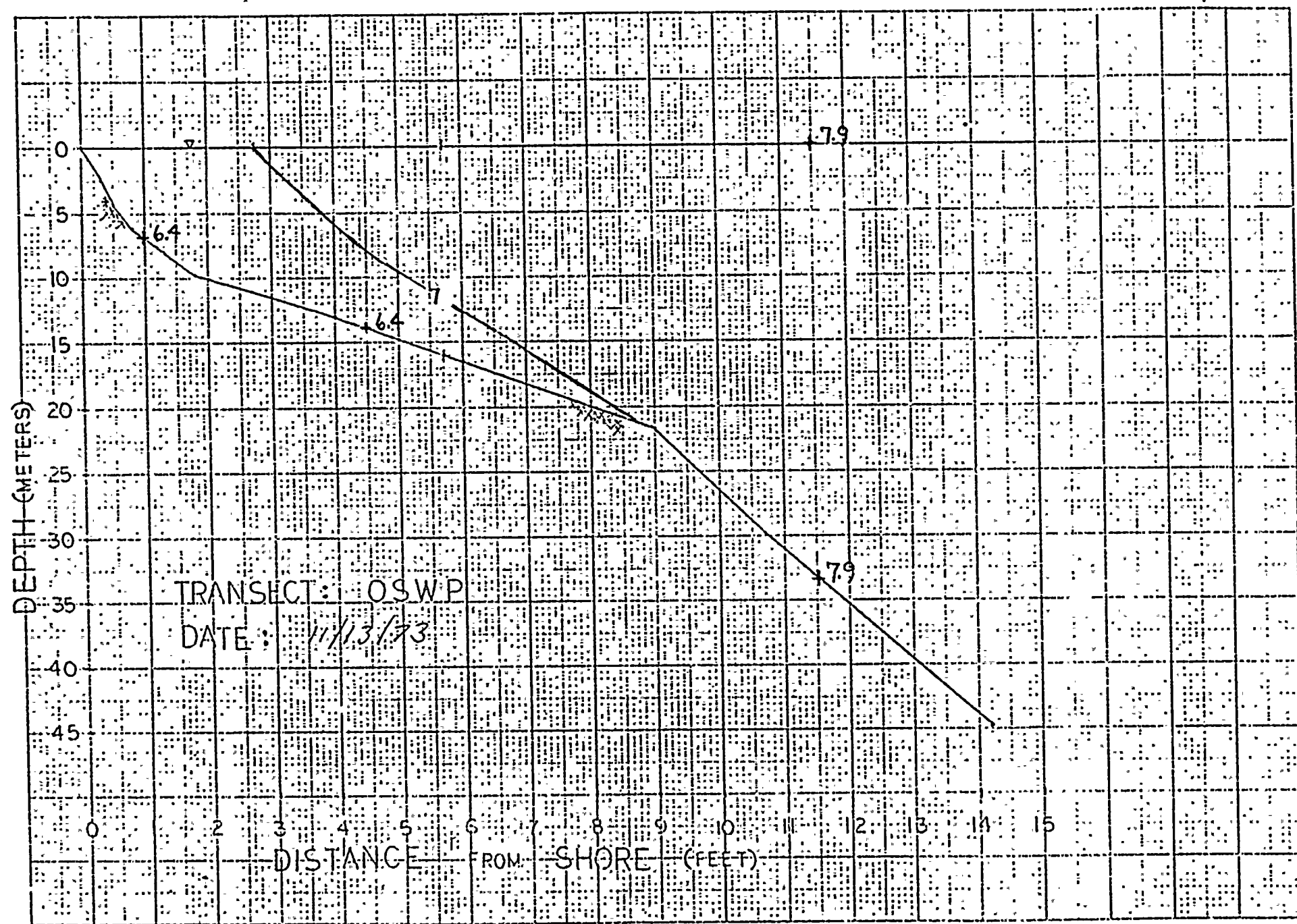


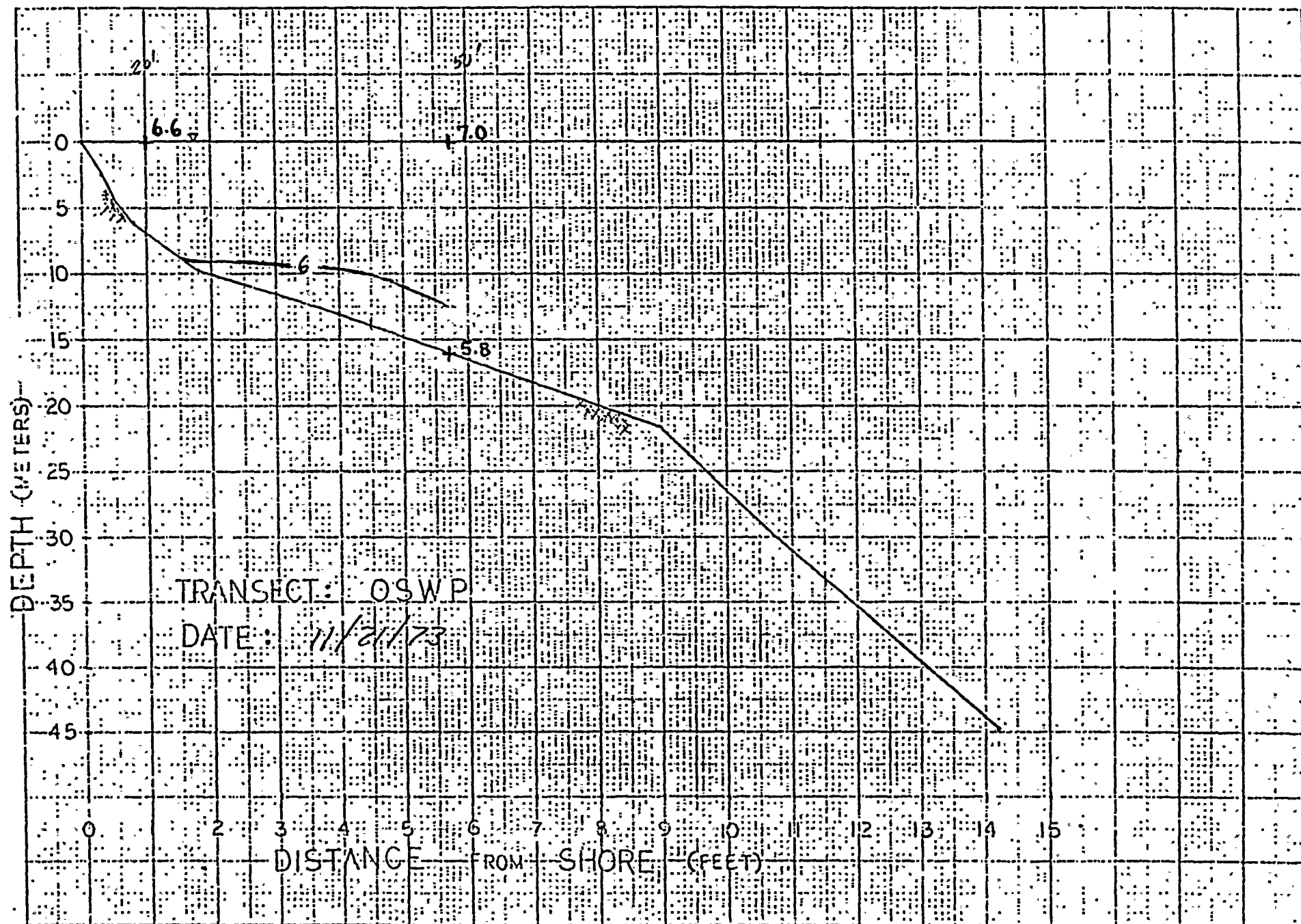


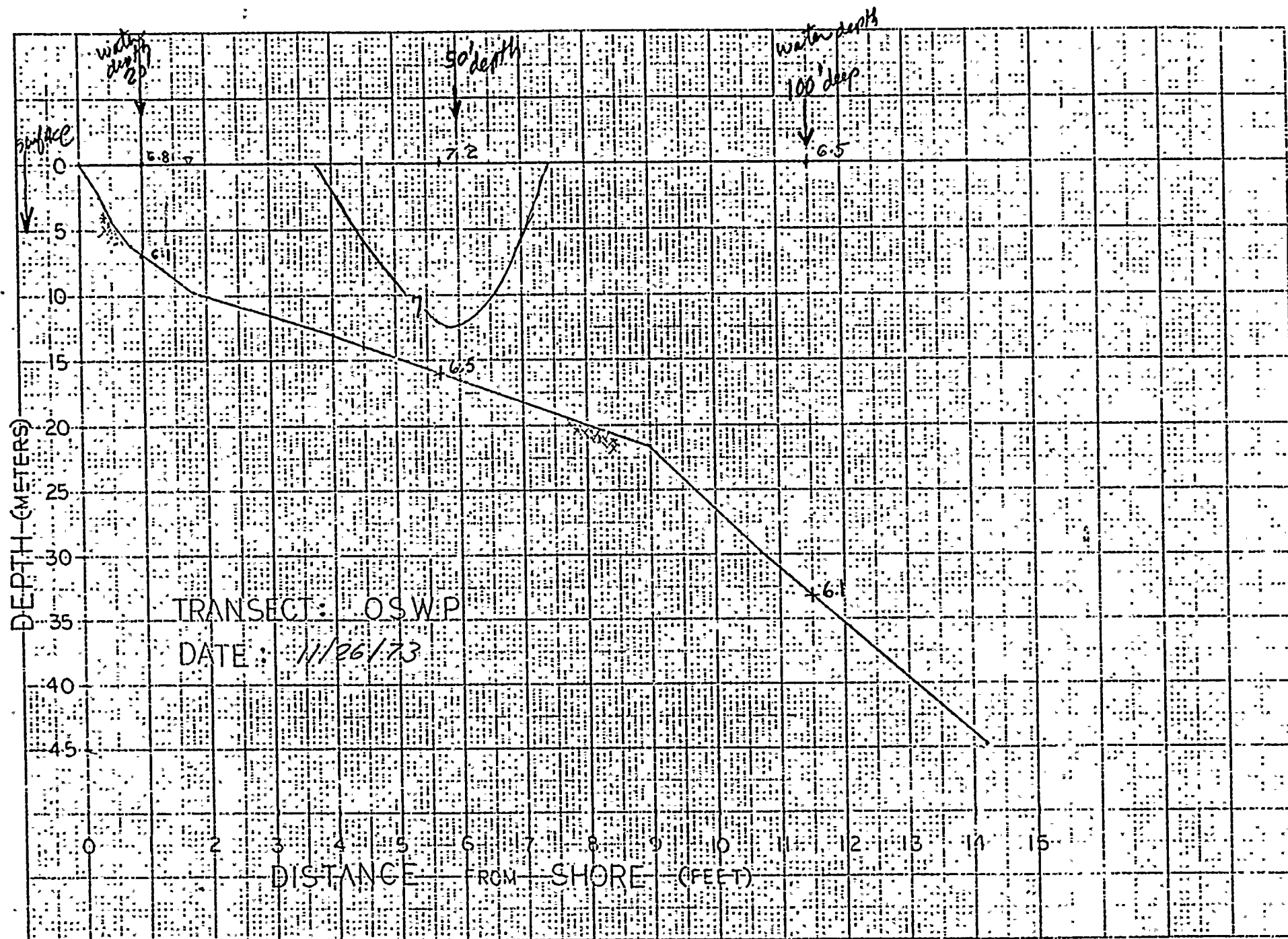


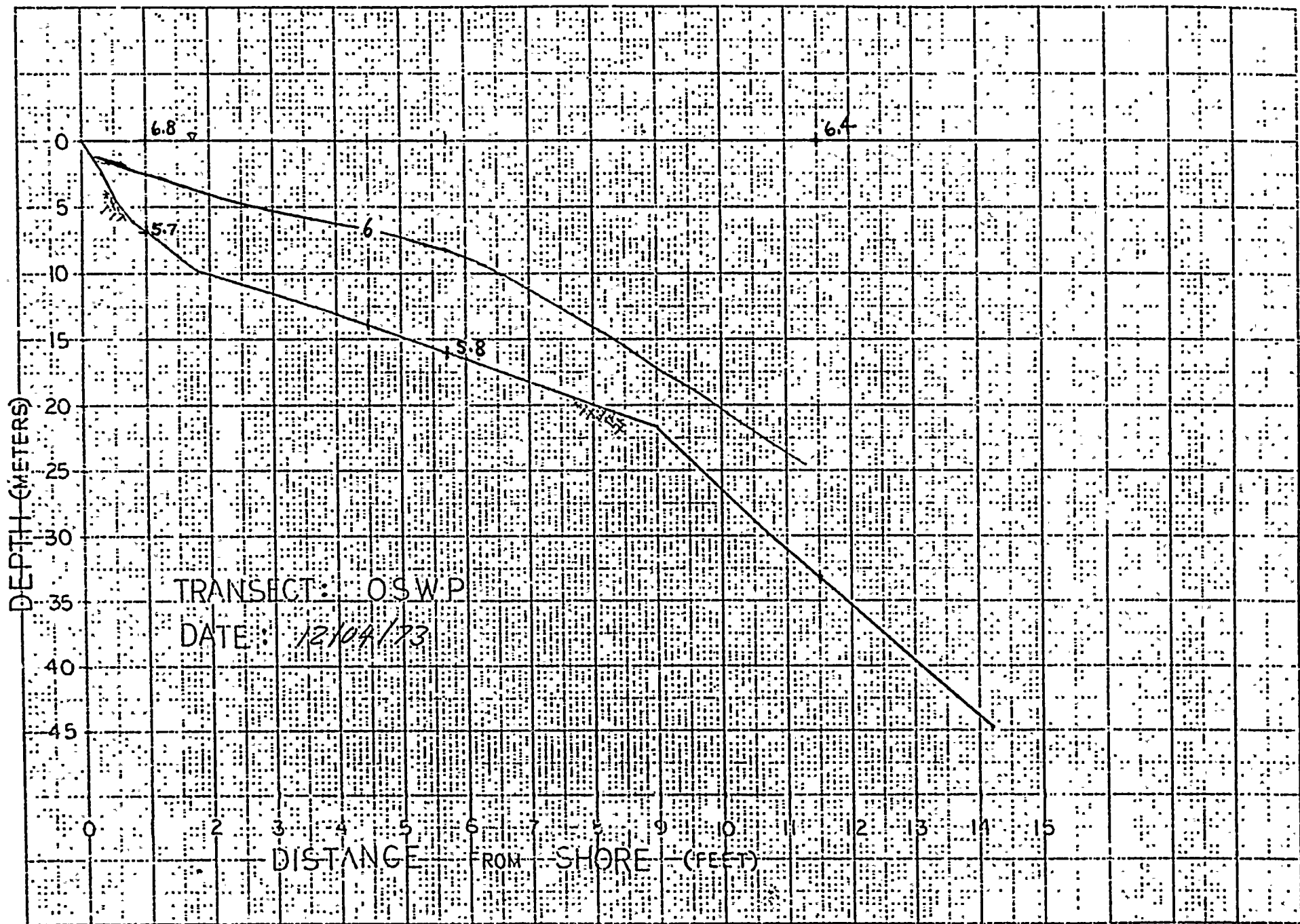




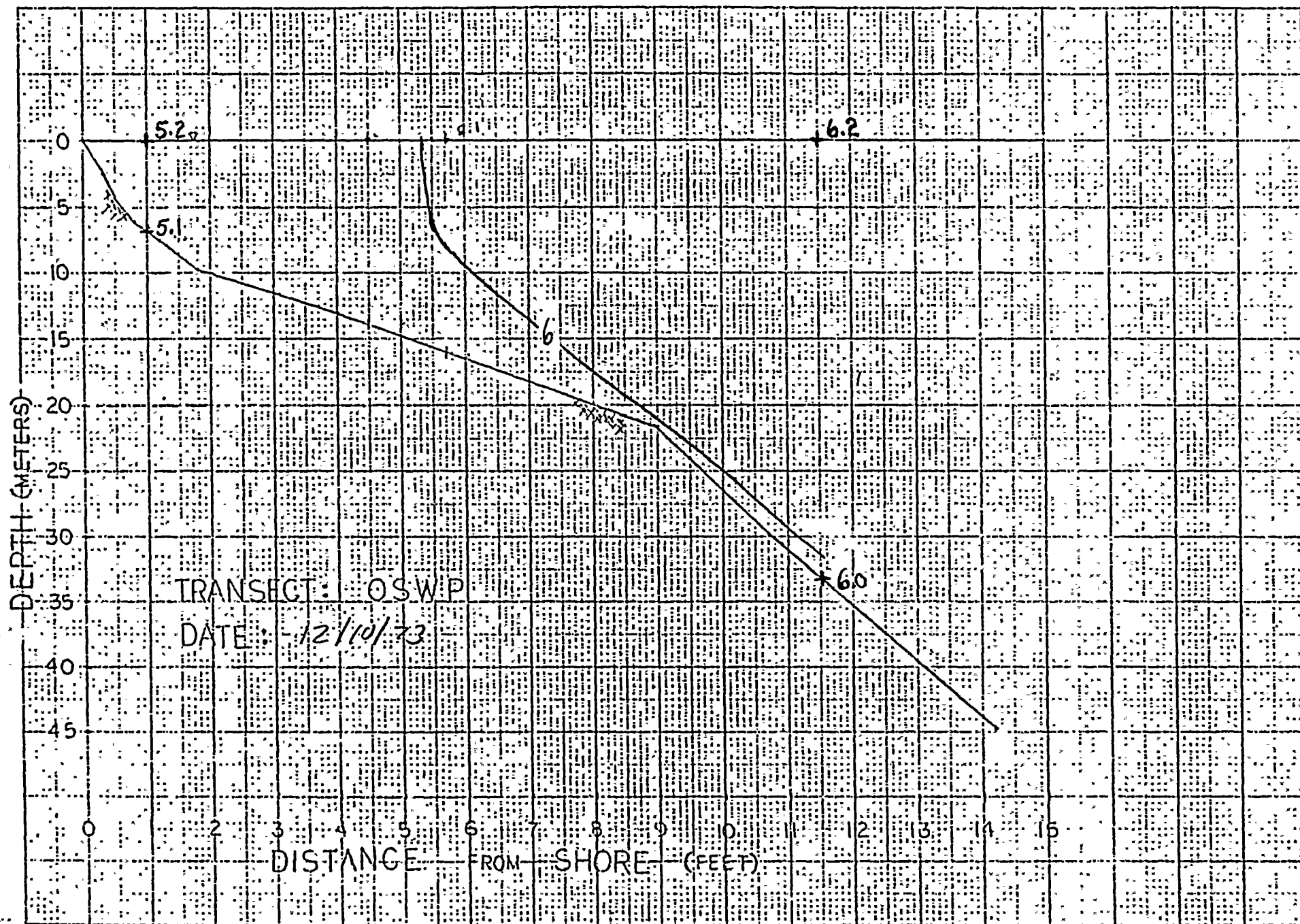


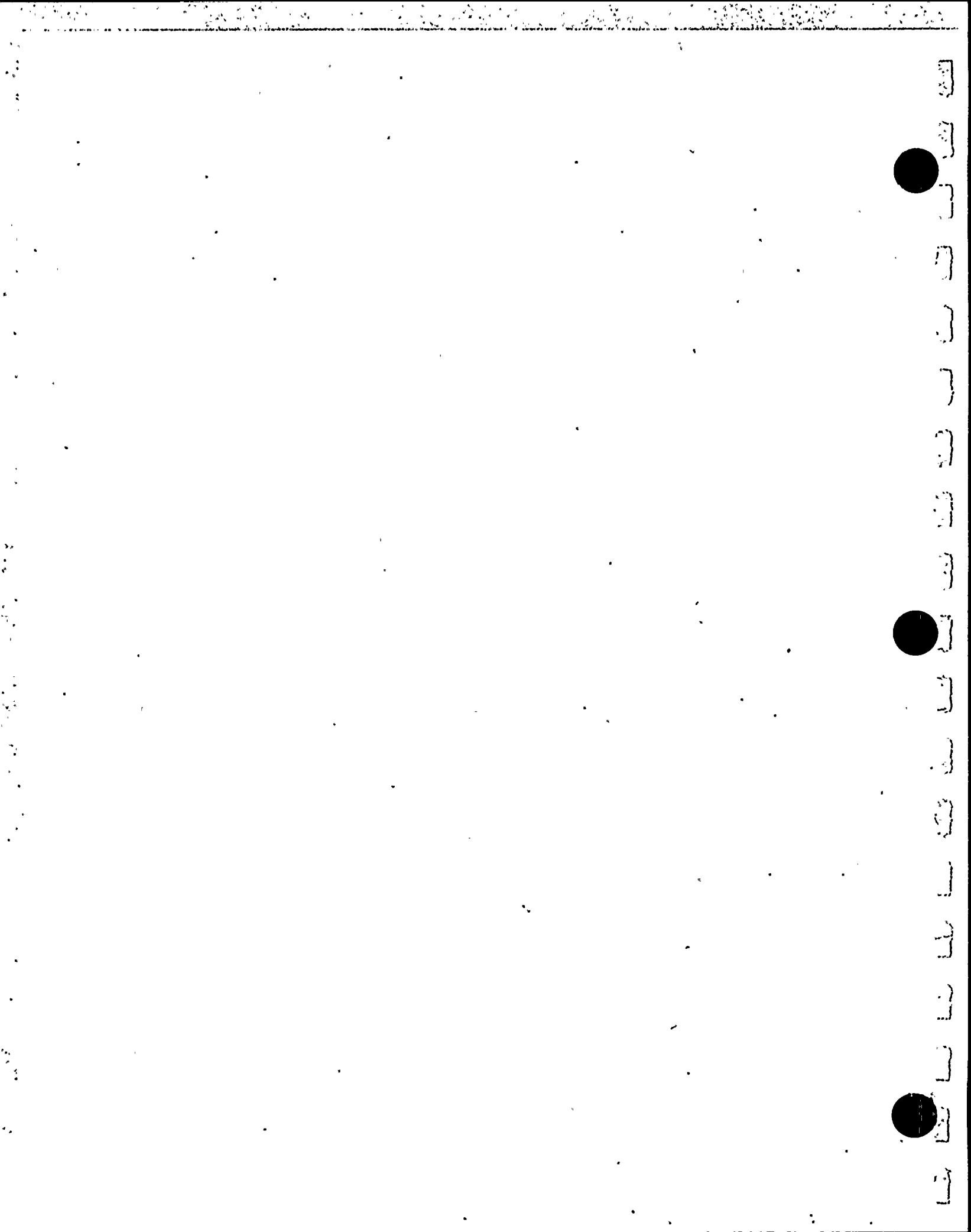














APPENDIX VII-E

NINE MILE POINT GENERATING STATION  
ENVIRONMENTAL RADIATION MONITORING PROGRAM

LAKE WATER SAMPLES

May 1973 - November 1973



**NINE MILE POINT GENERATING STATION  
ENVIRONMENTAL RADIATION  
MONITORING PROGRAM**

**- Summary Report  
Lake Water Samples  
May 1973 - November 1973**

**April 3, 1974**

**Prepared by  
Teledyne Isotopes  
50 Van Buren Avenue  
Westwood, New Jersey 07675**

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- II. SAMPLING LOCATIONS AND IDENTIFICATION**
- III. SAMPLE RESULTS**
- IV. DISCUSSION OF RESULTS**
- V. SUMMARY**
- VI. QUALITY CONTROL PROCEDURES**
- VII. OVERALL ERROR ANALYSIS-RADIOASSAY OF ENVIRONMENTAL LEVEL SAMPLES**
- VIII. MINIMUM DETECTABLE SENSITIVITY**

**APPENDIX A - EXPLANATION OF ERRORS**

**APPENDIX B - ENVIRONMENTAL RADIATION BULLETIN, NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

Number 2, page 10

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**APPENDIX C - Table I**

## I. INTRODUCTION

This report presents the results of water samples collected from Lake Ontario in the vicinity of the Niagara Mohawk Power Corporation, Nine Mile Point Nuclear Power Facility. The samples were collected by QLM Laboratories, Inc. as a portion of the Nine Mile Point Reactor Facility environmental monitoring program.

## II. SAMPLING LOCATIONS AND IDENTIFICATION

Water samples were collected monthly during the period May 1973 through November 1973 from two locations on Lake Ontario directly offshore from the Nine Mile Point Generating Station. One location is approximately 1000 feet off shore and the second location is approximately 3000 feet offshore. Two samples were collected at each location; one from the lake surface and a second sample from near the lake bottom. The sample identification code is as follows:

<u>Station Identification</u>	<u>Distance from Shore (feet)</u>	<u>Depth of Water at Station (feet)</u>	<u>Depth of Sample (feet)</u>
NMP-1	1000	20	0 (just below surface)
NMP-2	1000	20	20 (just above bottom)
NMP-3	3000	45	0 (just below surface)
NMP-4	3000	45	45 (just above bottom)

### III. SAMPLE RESULTS

Each sample was analyzed for gross beta activity, gross alpha activity, tritium and gamma emitting nuclides. The results are tabulated below:

Sample Number	Collection Date	Gross Beta pCi/liter	Gross Alpha pCi/liter	Tritium pCi/liter	Gamma Emitters	
					Nuclide	pCi/liter
NMP-1	5/29/73	5.4±0.9	< 0.1	(4.7±0.5)x10 <sup>2</sup>	ND	-
	6/27/73	(4.6±0.8)x10 <sup>2</sup>	0.74±0.12	(4.5±0.4)x10 <sup>2</sup>	<sup>54</sup> Mn	8.4±1.4
					<sup>60</sup> Co	(4.0±0.7)x10 <sup>1</sup>
					<sup>134</sup> Cs	(2.3±0.4)x10 <sup>2</sup>
					<sup>137</sup> Cs	(4.7±0.8)x10 <sup>2</sup>
	7/31/73	4.2±0.7	< 0.1	(3.7±0.4)x10 <sup>2</sup>	ND	
	8/28/73	3.9±0.7	< 0.1	(11.4±0.5)x10 <sup>2</sup>	ND	
	9/25/73	4.8±0.8	< 0.1	(7.9±0.5)x10 <sup>2</sup>	ND	
	10/30/73	4.3±0.7	0.8±0.2	(3.9±0.5)x10 <sup>2</sup>	ND	
	11/27/73	7.9±1.3	< 0.1	(4.2±0.5)x10 <sup>2</sup>	ND	
Average ± M.D.		5.0±1.1*		(5.8±2.2)x10 <sup>2</sup>		
*Sample collected on 6/27/74 is not included in Average ± M.D.						
NMP-2	5/29/73	4.8±0.9	0.9±0.2	(5.8±0.5)x10 <sup>2</sup>	ND	
	6/27/73	3.8±0.6	1.1±0.2	(4.6±0.4)x10 <sup>2</sup>	ND	
	7/31/73	4.9±0.8	0.5±0.1	(4.9±0.4)x10 <sup>2</sup>	ND	
	8/26/73	5.6±0.9	1.7±0.4	(10.0±0.5)x10 <sup>2</sup>	ND	
	9/25/73	4.0±0.7	< 0.1	(5.3±0.5)x10 <sup>2</sup>	ND	
	10/30/73	3.9±0.7	< 0.1	(5.0±0.5)x10 <sup>2</sup>	ND	
	11/27/73	10.0±2	1.8±0.3	(4.9±0.5)x10 <sup>2</sup>	ND	
Average ± M.D.		5.3±1.4		(5.8±1.2)x10 <sup>2</sup>		

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<u>Sample Number</u>	<u>Collection Date</u>	<u>Gross Beta pCi/liter</u>	<u>Gross Alpha pCi/liter</u>	<u>Tritium pCi/liter</u>	<u>Gamma Emitters Nuclide pCi/liter</u>
NMP-3	5/29/73.	4.0±0.8	< 0.1	(4.0±0.5)x10 <sup>2</sup>	ND
	6/27/73	31 ± 5	2.9±0.6	(4.8±0.8)x10 <sup>2</sup>	<sup>134</sup> Cs (1.3±0.2)x10 <sup>1</sup>
	7/31/73	3.3±0.6	< 0.1	(5.3±0.5)x10 <sup>2</sup>	<sup>137</sup> Cs (2.9±0.5)x10 <sup>1</sup>
	8/28/73	2.6±0.4	< 0.1	(6.6±0.5)x10 <sup>2</sup>	ND
	9/25/73	6.5±1.1	1.8±0.3	(2.4±0.5)x10 <sup>2</sup>	ND
	10/30/73	12 ± 2	< 0.1	(6.5±0.5)x10 <sup>2</sup>	ND
	11/27/73	4.9±0.8	< 0.1	(5.2±0.5)x10 <sup>2</sup>	ND
Average ± M.D.		5.6±3.0*		(5.0±1.1)x10 <sup>2</sup>	

\*Sample collected on 6/27/73 is not included in Average ± M.D.

NMP-4	5/29/73	4.1±0.8	< 0.1	(4.1±0.4)x10 <sup>2</sup>	ND
	6/27/73	2.6±0.4	1.4±0.2	(6.0±0.4)x10 <sup>2</sup>	ND
	7/31/73	3.9±0.6	< 0.1	(4.7±0.4)x10 <sup>2</sup>	ND
	8/28/73	3.4±0.6	1 ± 0.2	(4.4±0.5)x10 <sup>2</sup>	ND
	9/25/73	2.8±0.5	< 0.1	(5.1±0.5)x10 <sup>2</sup>	ND
	10/31/73	7.9±1.3	< 0.1	(6.3±0.5)x10 <sup>2</sup>	ND
	11/27/73	5.3±0.9	< 0.1	(3.8±0.5)x10 <sup>2</sup>	ND
Average ± M.D.		4.3±1.3		(4.9±0.8)x10 <sup>2</sup>	

$$\text{M.D.} = \text{Mean Deviation} = \sum \frac{|\bar{X} - X|}{n}$$



#### IV. DISCUSSION OF RESULTS

A total of 28 water samples were collected during the period May through November 1973. Samples #1 and #3, collected on June 27, 1973 were the only samples that contained gamma emitting radionuclides in excess of the minimum detectable levels listed in Appendix C. These samples also contained the highest gross beta activity observed,  $(4.6 \pm 0.8) \times 10^2$  pCi/liter and  $(3.1 \pm 0.5) \times 10^1$  pCi/liter. The presence of  $^{54}\text{Mn}$ ,  $^{60}\text{Co}$ ,  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$  in these samples suggests an effluent discharge or release from the Nine Mile Point reactor. The absence of significant levels of activity in the samples collected on May 29, 1973 indicates that the event occurred between these dates. The remaining 26 water samples contained no levels of gamma emitting nuclides in excess of the minimum detectable levels. The average gross beta activity for all samples, except samples #1 and #3 for 6/27/73, was  $5.1 \pm 1.9$  pCi/liter, with a maximum of  $(1.2 \pm 0.2) \times 10^1$  pCi/liter and a minimum of  $2.6 \pm 0.4$  pCi/liter. These levels are comparable to the levels reported by the New York State Department of Environmental Conservation in the Environmental Radiation Bulletins, Numbers 2 and 3, for gross beta activity in water for Oswego County (see Appendix B).

Seventeen of the 28 samples had gross alpha activity levels less than the minimum detectable value of 0.1 pCi/liter. The maximum gross alpha level observed in the remaining 11 samples was  $2.9 \pm 0.6$  pCi/liter and the average was  $1.3 \pm 0.5$  pCi/liter. There was no trend observed in the gross alpha activity data.

The maximum tritium activity determined was  $(1.1 \pm 0.05) \times 10^3$  pCi/liter and the minimum tritium activity was  $(2.4 \pm 0.5) \times 10^2$  pCi/liter. The average tritium activity for the 28 samples was  $(5.5 \pm 1.1) \times 10^2$  pCi/liter. The maximum tritium level for three of the sample sets, samples 1, 2 and 3, was observed in the samples col-

lected on August 28, 1973. The relatively small number of samples and the absence of a set of control samples does not permit one to determine specific trends or to speculate on the cause of these results.

## V. SUMMARY

Title 10 of the Code of Federal Regulations, part 20, lists the maximum allowable concentrations for radioactive material in air and water. Appendix 3 of the code lists  $3 \times 10^{-8}$   $\mu\text{Ci/ml}$  as the maximum permissible concentration (MPC) for unknown mixtures of alpha and beta emitting nuclides in water in an unrestricted area (168 hour week). The average gross beta activity for all the samples (including the samples collected on 6/27/73) is  $2.2 \times 10^{-8}$   $\mu\text{Ci/ml}$  which is less than the MPC limit. If the two surface samples collected on 6/27/73 (#1 and #3) are excluded, the average gross beta activity for the remaining samples is  $5.1 \times 10^{-9}$   $\mu\text{Ci/ml}$  which is approximately 17% of the MPC for unidentified mixtures of beta emitters. The most restrictive MPC for a beta emitting nuclide in water is  $6 \times 10^{-8}$   $\mu\text{Ci/ml}$  for  $^{129}\text{I}$ . Since these samples were not analyzed for  $^{129}\text{I}$  and no total iodine activity data are available, additional treatment of these data become academic. It is recommended that analyses for iodine and  $^{90}\text{Sr}$  (MPC =  $3 \times 10^{-7}$   $\mu\text{Ci/ml}$ ) be considered for future samples of this type.

The average gross alpha activity for all samples is  $5.1 \times 10^{-10}$   $\mu\text{Ci/ml}$ . This is less than 2% of the applicable MPC of  $3 \times 10^{-8}$   $\mu\text{Ci/cc}$ .

The average tritium activity for all samples is  $5.5 \times 10^{-7}$   $\mu\text{Ci/ml}$ .

## VI. QUALITY CONTROL PROCEDURES

Upon arrival at our plant each sample portion is assigned a code number. This code number is placed on all apparatus used for that sample during radiochemical and radiometric determinations.

Blank and standard spike samples are analyzed routinely as part of the Isotopes' internal quality control program. Such control samples are assigned code numbers that are indistinguishable from routine samples. This prevents any control sample from receiving preferential treatment. Sample analyses are evaluated based on control information.

Standardization and calibration of counting equipment is accomplished in the following manner. The gamma radioassay equipment, consisting of multi-channel pulse height analyzers with (Ge-Li) and NaI (TII) detectors, have been standardized with absolute standards obtained from the Radiochemical Centre, Amersham, England, the National Bureau of Standards and the International Atomic Energy Agency. The detectors are calibrated for both background and efficiencies for all geometries: eg - point source, 150 ml. bottles and Marinelli beakers.

The beta counting equipment consists of twelve gas flow low background counters routinely used for radiochemically separated  $\text{Sr}^{89}$ ,  $\text{Sr}^{90}$ ,  $\text{Cs}^{137}$  and  $\text{I}^{131}$ . These counters are calibrated with absolute standards of each radioisotope and checked daily with secondary - working standards of equilibrated ( $\text{Sr}^{90}$  -  $\text{Y}^{90}$ ). Overnight backgrounds are taken twice weekly on all counters.

Gross beta and gross alpha analyses are carried out on two Beckman Sharp Wide Beta II Counters. All gross beta activities are based on equilibrated ( $\text{Sr}^{90} - \text{Y}^{90}$ ) calibration and gross alpha activities are based on  $\text{Pu}^{239}$  calibration. These automatic counters can accommodate as many as 100 sample planchets per loading. With each loading, blank planchets are included in the beginning, in the middle and at the end of each batch to check possible background fluctuations during the run. Beta and alpha standards are also included with each loading.

In addition to instrument background and calibration, blanks and standard spike samples are carried through the entire laboratory preparation to control and detect the possibility of contamination from chemical reagents and laboratory apparatus. The frequency with which blanks and standards are processed depends upon the sample load. At least one blank and one standard is processed per batch of samples which may vary from 10 to 20 samples per batch.

All gross beta and gross alpha activities are corrected for self absorption by use of a weight vs. efficiency curve in 100 milligram increments up to 2 grams. In addition, the first ten samples are recounted at the end of the cycle of each batch to establish the stability and reproducibility of the systems.

Purity checks are routinely performed on chemically separated short lived nuclides such as  $\text{I}^{131}$  and  $\text{Y}^{90}$  by recounting through at least one half life. If purity cannot be established, a new aliquot is taken and reanalyzed.

Wherever possible, samples may be analyzed by two independent systems such as  $K^{40}$  by (Ge-Li) gamma analysis versus  $K^{40}$  by flame photometry. Radiochemically separated  $Cs^{137}$ , routinely beta counted, is frequently checked by either NaI (TII) or (Ge-Li) gamma spectrometry.

## VII. OVERALL ERROR ANALYSIS-RADIOASSAY OF ENVIRONMENTAL LEVEL SAMPLES

An overall error analysis of the data from the radioanalysis of environmental samples takes into account all uncertainties from the obvious counting errors and including the errors generated in collecting, handling, and processing the sample. An estimate of these errors is presented in the following table.

### Sources of Error in the Radioassay of Environmental Samples

Error	Confidence Level	Type	Estimate
1) Counting error	99%	Random	$< \pm 6\%$ *
2) Calibration error -			
long term stability		Systematic	+ or - 10%
short term stability	99%	Random	$\pm 7\%$
3) Sample handling errors -			
uniformity, contamination -		Systematic	+ or - 10%
handling, reproducibility	99%	Random	$\pm 8\%$
4) Sample processing errors -			
chemical separations	-	Systematic	+ or - 7%
yielding, technique	99%	Random	$\pm 10\%$

\*  $< 6\%$  except for low activities approaching the limits of detection. See attached tables of counting error vs. radioactivity.

We shall define overall error (overall uncertainty) as the 99 percent confidence limits for the random error components and the linear sums of the estimated upper limits of conceivable systematic errors.

As indicated above each error assignment is an estimate, and the following discussion is an explanation of the assigned values. Counting errors are easily justified since they are readily determined for each measurement by generating sufficient counts for most radioassays to yield  $< \pm 6\%$  counting error at the 99% confidence level.

Exceptions are low activity samples sometimes encountered in environmental level programs when the limits of detection of the counting system are approached. Tabulated in the following six tables are typical counting errors vs. radioactivity levels at and above the limits of detection. In these tables the % counting error is the one sigma ( $1\sigma$ ) value at the 68% confidence level.



Sr<sup>90</sup> - Counting Error vs. Radioactivity

Counting System	Background (cpm)	tc (min)	<u>Signal</u> <u>bkg</u>	% Counting error (1 $\sigma$ )	Sr <sup>90</sup>	
					<u>pCi</u> <u>planchet</u>	<u>net cpm</u> <u>planchet</u> <u>measured</u>
Low level	0.5	400	0.5	± 22	0.3*	0.27
Beta			1	± 12	0.56	0.49
(Sample			2	± 7	1.1	0.98
on nylon			3	± 5.3	1.7	1.5
planchet)			5	± 3.7	2.8	2.5
			10	± 2.4	5.6	4.9

\* Limit of detection - lowest possible value without corrections for chemical yielding and for sample purity verification. A realistic value is a factor of 2 to 3 times higher, and is estimated to be 0.8 pCi/planchet.

The realistic strontium-89 limit of detection is 4 pCi/planchet

Barium-lanthanum scavenges are performed on all samples for strontium-89 and strontium-90.

Cs<sup>137</sup> in Water - Counting Error vs. Radioactivity

Counting System	Bkg @662 Kev (cpm)	tc (min)	<u>Signal</u> bkg	Counting error (1 $\sigma$ )	Cs <sup>137</sup>	
					pCi/liter	<u>net cpm</u> liter measured
High resolution	0.06	600	0.75	± 37	7 *	0.045
gamma			1	± 34	9.3	0.060
spectrometer			2	± 17	19	0.12
(sample in			3	± 12	28	0.18
1 liter			5	± 8.8	47	0.30
wrap around			10	± 5.8	94	0.60
container)			50	± 2.4	470	3.0
			100	± 1.7	940	6.0

\* limit of detection - This is a realistic value because no chemical processing corrections or purity verification are required.

K<sup>40</sup> in Water - Counting Error vs. Radioactivity

Counting System	Bkg. @1460 Kev (cpm)	tc (min)	<u>Signal</u> <u>bkg</u>	% Counting error (1 $\sigma$ )	K <sup>40</sup>	
					pCi/liter	<u>net cpm</u> <u>liter</u> <u>measured</u>
High resolution	0.016	600	1.0	$\pm 56$	-	-
gamma			1.35	$\pm 44$	52*	0.022
spectrometer			2	$\pm 32$	77	0.032
(sample in			3	$\pm 24$	116	0.048
1 liter			5	$\pm 17$	192	0.080
wrap around			10	$\pm 12$	384	0.16
container)			50	$\pm 4.7$	1920	0.80
			100	$\pm 3.3$	3840	1.6

\* limit of detection - This is a realistic value.

**Tritium by Gas Counting**  
**Counting Error vs. Radioactivity**

Counting System	Bkg (cpm)	tc (min)	<u>Signal</u> bkg	% Counting error (1 $\sigma$ )	<u>H<sup>3</sup></u>	
					pCi/liter	<u>net cpm</u> 2 ml aliquot measured
1 liter	3	1000	0.08	± 33	60 *	0.24
gas proportional			0.1	± 27	75	0.3
counter			0.2	± 14	150	0.6
(2 ml. sample			0.3	± 9.2	225	0.9
converted to			0.5	± 5.8	375	1.5
gas)			1.0	± 3.2	750	3.0

\* limit of detection - This is a realistic value.

Summary - Tritium by Gas Counting

pci/liter	% Counting error ( $\pm 1 \sigma$ )	Counting error* pci/liter @ $\pm 2 \sigma$
75	$\pm 27$	$\pm 41$
150	$\pm 14$	$\pm 42$
225	$\pm 9.2$	$\pm 41$
375	$\pm 5.8$	$\pm 44$
750	$\pm 3.2$	$\pm 48$

at 95% confidence level

Observe the consistency of the counting error at  $\sim \pm 43$  pCi/liter (95% confidence level) over the activity range of the above samples.

Calibration errors are also predictable to somewhat less extent than counting errors. Routine checking of the counting systems with standards and monitoring of the backgrounds permits reduction of calibration errors and is included in the quality control program at Teledyne Isotopes. For routine analysis, a maximum spread of + or - 10% is allowed for long term stability of the counting systems and recalibrations are performed beyond these limits.

In addition we observe short term fluctuations in the calibrations due to variations in the surroundings such as temperature and background radiation. These fluctuations most often affect the background of the low level counters and are observable and thus controllable. A random error estimate of  $\pm 7\%$  at the 99% confidence level has been assigned to these short term fluctuations.

Sample handling errors are generated by variations in the physical handling of the samples. The major problem is the selection of a representative

portion of the sample and the reproduction of the handling techniques.

Variations in handling can readily account for systematic errors of  $\pm$  or  $-$  10% and in addition can generate random errors of  $\pm$  8% superimposed on the systematic error.

Processing errors are generated in sample requiring chemical procedures, thus in the chemical separation of a radionuclide (e.g.  $\text{Sr}^{90}$ ) errors accumulate in each step of the operation. An estimate of  $\pm$  or  $-$  7% systematic error has been assigned for chemical processing of radionuclides. To limit the range of this source of error requires a program of comparing split samples and of frequent interlaboratory comparisons. Random errors are also generated (10% estimated) in the chemical treatment and/or separation of radionuclides. This source of error is controllable by the care and technique of the individual performing the analysis.

The above four sources of error in radioassaying environmental samples are responsible for most of the variations observed in processing samples. Thus we feel justified in applying a minimum overall error of  $\pm$  20% to every analysis of environmental samples. As discussed in this review each of these sources of error can be controlled and limited at the expense of additional effort in labor and cost.

From the tabulation of the sources of error, the overall error of the random components is  $\pm$  16% and of the sum of the systematic components  $\pm$  or  $-$  27%. Thus the long term overall spread could be  $\pm$  43% for samples subject to all four types of error.

The overall error discussed above is basically reproducibility of the radioassay procedures. In addition to reproducibility, accuracy is required for the results to be comparable with other laboratories. Accuracy can only be obtained

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by calibrating with absolute radionuclide standards from qualified laboratories. In addition to absolute standards, interlaboratory calibrations are performed to establish accuracies and also to discover systematic variations between laboratories. Attached are comparative results of two NBS unknown samples monitored at Teledyne Isotopes on the Ge(Li) high resolution gamma spectrometers used in this program.



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COMPARISON OF MEASURED VALUES

WITH NBS VALUES

SRM 4252-1

Test Source

Laboratory: Teledyne Isotopes

<u>Radionuclide</u>	<u>Reported Value</u>	<u>NBS Value</u>	<u>X/NBS</u>
	1-15-73 1200 EST ( $\mu\text{Ci}$ )	1-15-73 1200 EST ( $\mu\text{Ci}$ )	
Chromium-51	0.0536	0.05003	1.071
Manganese-54	0.110	0.09790	1.124
Cobalt-58	0.115	0.1075	1.070
Iron-59	0.103	0.09659	1.066
Cobalt-60	0.218	0.2076	1.050
Zinc-65	0.209	0.1835	1.139
Cesium-134	0.0338	0.03251	1.040
Cesium-137	0.163	0.1455	1.120
Cerium-144	0.122	0.09697	1.258





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National Bureau of Standards  
Washington, D.C. 20234

Test Report For  
NBS Mixed Radionuclide  
Test Source

Source No. SRM-4252

Date of Test February 7, 1973 Hour 1655 EST

Please list below the radionuclides you have identified by gamma-ray spectrometry and their respective activities for the total solution.

Radionuclide	Activity* (microcuries)	Error %	
		Random	Systematic
$^{51}\text{Cr}$	$5.36 \times 10^{-2}$	29%	8%
$^{54}\text{Mn}$	$1.10 \times 10^{-1}$	3.3%	4%
$^{57}\text{Co}$	$1.22 \times 10^{-3}$	70%	5%
$^{58}\text{Co}$	$1.15 \times 10^{-1}$	3.4%	5%
$^{59}\text{Fe}$	$1.03 \times 10^{-1}$	6.8%	5%
$^{60}\text{Co}$	$2.18 \times 10^{-1}$	2.1%	4%
$^{65}\text{Zn}$	$2.09 \times 10^{-1}$	3.6%	4%
$^{134}\text{Cs}$	$3.38 \times 10^{-2}$	7.5%	5%
$^{137}\text{Cs}$	$1.63 \times 10^{-1}$	2.3%	6%
$^{144}\text{Ce}$	$1.22 \times 10^{-1}$	6.3%	18%

In order that the various laboratories may be consistent in reporting uncertainties, please list separately the random errors at the 99% confidence level and estimated systematic errors.

Activity decay-corrected to 1200 EST, January 15, 1973.



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COMPARISON OF MEASURED VALUES

WITH NBS VALUES

SRM 4253-1

Test Source

Laboratory: Teledyne Isotopes

<u>Radionuclide</u>	<u>Reported Value</u> 1-15-73 1200 EST ( $\mu\text{Ci}$ )	<u>NBS Value</u> 1-15-73 1200 EST ( $\mu\text{Ci}$ )	<u>X/NBS</u>
Chromium-51	0.108	0.1133	0.953
Manganese-54	0.245	0.2217	1.105
Cobalt-58	0.250	0.2433	1.028
Iron-59	0.224	0.2187	1.024
Cobalt-60	0.471	0.4700	1.002
Zinc-65	0.462	0.4154	1.112
Cesium-134	0.0695	0.07361	0.944
Cesium-137	0.358	0.3295	1.086
Cerium-144	0.257	0.2196	1.170



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Washington, D.C. 20234

Test Report For  
NBS Mixed Radionuclide  
Test Source

Source No. SRM-4253

Date of Test February 7, 1973

Hour 1505 EST

Please list below the radionuclides you have identified by gamma-ray spectrometry and their respective activities for the total solution.

Radionuclide	Activity* (microcuries)	Error %	
		Random	Systematic
<u><sup>51</sup>Cr</u>	<u>1.08x10<sup>-1</sup></u>	<u>12%</u>	<u>9%</u>
<u><sup>54</sup>Mn</u>	<u>2.45x10<sup>-1</sup></u>	<u>1.2%</u>	<u>5%</u>
<u><sup>57</sup>Co</u>	<u>2.29x10<sup>-3</sup></u>	<u>31%</u>	<u>5%</u>
<u><sup>58</sup>Co</u>	<u>2.50x10<sup>-1</sup></u>	<u>1.3%</u>	<u>7%</u>
<u><sup>59</sup>Fe</u>	<u>2.24x10<sup>-1</sup></u>	<u>2.8%</u>	<u>4%</u>
<u><sup>60</sup>Co</u>	<u>4.71x10<sup>-1</sup></u>	<u>0.81%</u>	<u>4%</u>
<u><sup>65</sup>Zn</u>	<u>4.62x10<sup>-1</sup></u>	<u>1.4%</u>	<u>4%</u>
<u><sup>134</sup>Cs</u>	<u>6.95x10<sup>-2</sup></u>	<u>3.3%</u>	<u>8%</u>
<u><sup>137</sup>Cs</u>	<u>3.58x10<sup>-1</sup></u>	<u>0.89%</u>	<u>5%</u>
<u><sup>144</sup>Ce</u>	<u>2.57x10<sup>-1</sup></u>	<u>2.4%</u>	<u>18%</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

In order that the various laboratories may be consistent in reporting uncertainties, please list separately the random errors at the 99% confidence level and estimated systematic errors.

\*Activity decay-corrected to 1200 EST, January 15, 1973.

### VIII. MINIMUM DETECTABLE SENSITIVITY (MDS)

Listed in the following tables are the MDS for radionuclides usually detected in environmental level (interference free) samples of:

- water
- solids (soil, vegetation, benthal, animal tissue)
- air particulate (filters or charcoal)
- gases

The MDS values are calculated from the equation:

$$MDS = \frac{M(\alpha)}{\epsilon} \sqrt{\frac{2\beta}{tc}}$$

where  $M(\alpha)$  = multiples of the background counting error

$\epsilon$  = absolute efficiency of the counting system for the radionuclide

$\beta$  = background in cpm

$tc$  = counting time in minutes

Also indicated in each table are the counting method used for each MDS determination, coded as follows:

Code	Counting Method
A	Beta counting - Solid phase, low background, thin window, gas flow-Geiger counter.
B	Beta and/or alpha counting - Solid phase, intermediate level, thin window gas flow counters (Geiger made for beta detection and proportional made for alpha detection)
C	Gamma spectrometry - Liquid, solid or gas phase counting by high resolution Ge(Li) spectrometry
D	Beta counting - Conversion of radionuclide to gas phase ( $H^3$ and $C^{14}O_2$ ) followed by gas proportional counting

Code	Counting Method
E	Low energy beta counting - Aliquot of liquid or solid phase assayed by liquid scintillation counting
F-1	Separation of gaseous elements by gas chromatography
F-2	Beta counting of gas phase in a gas proportional system
G	Alpha spectrometry by thin layer solid phase counting in a silicon semiconductor system

Minimum Detectable Sensitivity (MDS)\*

Water and Milk Samples					
Nuclide	MDS pCi/liter	Code	Nuclide	MDS pCi/liter	Code
Gross alpha	0.2	B	I <sup>131</sup>	8	C
Gross beta	1.0	B	I <sup>131</sup>	1.0	A
H <sup>3</sup>	60	D	I <sup>133</sup>	6	C
H <sup>3</sup>	1500	E	I <sup>135</sup>	18	C
Mn <sup>54</sup>	6	C	Cs <sup>134</sup>	7	C
Co <sup>58</sup>	6	C	Cs <sup>137</sup>	7	C
Co <sup>60</sup>	6	C	Cs <sup>137</sup>		A
Fe <sup>59</sup>	11	C	Ba <sup>140</sup>	25	C
Sr <sup>89</sup>	4	A	Ce <sup>141</sup>	12	C
Sr <sup>90</sup>	0.8	A	Ce <sup>144</sup>	52	C
Zr <sup>95</sup>	11	C	K <sup>40</sup>	52	C
Ru <sup>103</sup>	7	C	Ra <sup>226</sup>	12	C
Ru <sup>106</sup>	60	C	Th <sup>228</sup>	12	C
Sb <sup>125</sup>	15	C	Pu <sup>238</sup>	0.02	G
			Pu <sup>239</sup>	0.02	G

Aliquot required for A, B and C = 1 liter  
Aliquot required for D and E = 1 - 10 ml.

\* Interference free

Minimum Detectable Sensitivity (MDS)

Solid Samples (Soil, Vegetation, Benthic, Animal Tissue, etc.)

Nuclide	MDS pCi/gm Original	Code	Nuclide	MDS pCi/gm Original	Code
Gross alpha	(3.2)	B	Ru <sup>106</sup>	0.10	C
Gross beta	(1.5)	B	I <sup>131</sup>		A
Be <sup>7</sup>	0.1	C	I <sup>131</sup>	0.01	C
K <sup>40</sup>	0.09	C	Cs <sup>134</sup>	0.01	C
Mn <sup>54</sup>	0.01	C	Cs <sup>137</sup>	(0.09)	A
Co <sup>58</sup>	0.01	C	Cs <sup>137</sup>	0.01	C
Co <sup>60</sup>	0.01	C	Ba <sup>140</sup>	0.04	C
Sr <sup>89</sup>	0.8	A	Ce <sup>141</sup>	0.02	C
Sr <sup>90</sup>	0.5	A	Ce <sup>144</sup>	0.09	C
Zr <sup>95</sup>	0.02	C	Ra <sup>226</sup>	0.02	C
Ru <sup>103</sup>	0.01	C	Th <sup>228</sup>	0.02	C

Note 1: All samples assayed under codes A and B are ashed and/or radio-chemically processed. The bracketed MDS is for a 1 gram ashed aliquot. To obtain the MDS in pCi/gm original, multiply the bracketed MDS by the ashed weight and divide by the original sample weight. The MDS in pCi/gm original is a fraction of the bracketed MDS listed above.

Note 2: A minimum of 200 grams original sample is used for "C".

Minimum Detectable Sensitivity (MDS)

Air Particulate Filters

Nuclide	MDS pCi/total Filter	Code	Nuclide	MDS pCi/total Filter	Code
Gross beta	1.0	B	Zr <sup>95</sup>	11	C
Be <sup>7</sup>	60	C	Ru <sup>103</sup>	7	C
Mn <sup>54</sup>	6	C	Sb <sup>125</sup>	15	C
Co <sup>58</sup>	6	C	Cs <sup>137</sup>	7	C
Co <sup>60</sup>	6	C	Ce <sup>141</sup>	12	C
Sr <sup>89</sup>	4	A	Ce <sup>144</sup>	52	C
Sr <sup>90</sup>	0.8	A			

Charcoal Filters

Nuclide	MDS pCi/total filter	Code
I <sup>131</sup>	8	C
I <sup>133</sup>	6	C
I <sup>135</sup>	18	C

Note 1: Geometry of the filter packet ~ 1 1/2" diameter by 1/4" thick for all nuclides under code "C".

Note 2: Filters sacrificed for beta counting (codes A and B).

Note 3: The total flow volume must be measured and specified to convert the total filter MDS values to pico curies per unit volume.

Minimum Detectable Sensitivity (MDS)

Gas Phase Samples

Nuclide	MDS $\mu\text{Ci/cc}$	Code	Nuclide	MDS $\mu\text{Ci/cc}$	Code
H <sup>3</sup>	$1.0 \times 10^{-6}$	F-1, F-2	Kr <sup>85m</sup>	$1.9 \times 10^{-10}$	C
C <sup>14</sup> (total)	$1.4 \times 10^{-8}$	F-1, F-2	Kr <sup>88</sup>	$2.8 \times 10^{-10}$	C
C <sup>14</sup> (inorganic)	$1.4 \times 10^{-8}$	note 1.	Xe (total)	$7.0 \times 10^{-10}$	F-1, F-2
Ar (total)	$7.0 \times 10^{-9}$	F-1, F-2	Xe <sup>131m</sup>	$7.0 \times 10^{-9}$	C
Ar <sup>37</sup>	(total-Ar <sup>41</sup> )	-	Xe <sup>133</sup>	$5.0 \times 10^{-10}$	C
Ar <sup>41</sup>	$1.4 \times 10^{-10}$	C	Xe <sup>133m</sup>	$1.0 \times 10^{-9}$	C
Kr (total)	$7.0 \times 10^{-10}$	F-1, F-2	Xe <sup>135</sup>	$1.4 \times 10^{-10}$	C
Kr <sup>85</sup>	total-(Kr <sup>85</sup> +Kr <sup>88</sup> )	-	Gross beta	$5.0 \times 10^{-7}$	F-2

Note 1: C<sup>14</sup> (total) includes organic and inorganic forms. Chemical and physical separation procedures permit assignment to the different chemical species.



## APPENDIX A

### Explanation of Errors

1. Error assigned to each data point: The  $\pm$  error assigned to each measurement is the overall error of the radioassay procedure. ( $X \pm \Sigma$ )
2. Error assigned to the average of many data points: The error assigned to many data points is the mean deviation and includes statistical (random) variations in the radioassay procedures as well as systematic error. The mean deviation is the absolute variation of individual measurements from the arithmetic mean.

The average of all data points is:

$$\bar{X} = \frac{\Sigma X}{n}$$

The mean deviation is:

$$MD = \Sigma \frac{|\bar{X} - X|}{n} \quad \therefore \quad \bar{X} = MD = \frac{\Sigma X}{n} \pm \Sigma \frac{|\bar{X} - X|}{n}$$

3. The average spread of averaged data: If the average and standard deviation of groups of the same data are considered, the average of the averages and average of the mean deviation determines the average spread of the set of data.

$$\frac{\Sigma \bar{X}}{n} \pm \frac{\Sigma MD}{n} = \text{average} \pm \text{spread.}$$

# APPENDIX B

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### Radioactivity Levels in Water (cont.)

Result in pCi/l

Station - Location	Gross Beta	H-3	Gross Alpha
Derby	Samples 13	4	-
Sturgeon Point	Avg. 4	N.D.	-
Station	Max. 7	N.D.	-
	Min. 2	N.D.	-
<u>Jefferson County</u>	Samples 3	-	-
Watertown	Avg. 2	-	-
Black River	Max. 3	-	-
	Min. 2	-	-
<u>New York City</u>	Samples 4	-	-
Public Water Supply	Avg. 2	-	-
	Max. 3	-	-
	Min. N.D.	-	-
<u>Niagara County</u>	Samples 3	-	-
Niagara Falls	Avg. 3	-	-
West Branch of	Max. 4	-	-
Niagara River	Min. 3	-	-
<u>Ontario County</u>	Samples 3	3	-
Geneva	Avg. 5	N.D.	-
Seneca Lake	Max. 5	N.D.	-
	Min. 4	N.D.	-
<u>Oswego County</u>	Samples 5	3	-
Oswego	Avg. 4	N.D.	-
City Hall Tap	Max. 5	N.D.	-
	Min. 4	N.D.	-
New Haven	Samples 3	3	-
Demster Beach Road	Avg. 5	N.D.	-
	Max. 7	600	-
	Min. 4	N.D.	-
<u>Saratoga County</u>	Samples 3	3	-
Milton	Avg. 2	N.D.	-
Glowegee Creek at	Max. 3	N.D.	-
Route 50	Min. 2	N.D.	-

Radioactivity Levels in Water (cont.)  
Result in pCi/l

Station-Location	Gross Beta	H-3	Gross Alpha
<u>Erie County (cont.)</u>			
Derby	Samples 13	2	-
Sturgeon Point	Avg. 3	N.D.	-
Station	Max. 5	N.D.	-
	Min. 3	N.D.	-
<u>Jefferson County</u>	Samples 3	-	-
Watertown	Avg. 3	-	-
Black River	Max. 4	-	-
	Min. 2	-	-
<u>New York City</u>	Samples 3	-	-
Public Water Supply	Avg. 2	-	-
	Max. 3	-	-
	Min. N.D.	-	-
<u>Niagara County</u>	Samples 3	-	-
Niagara Falls	Avg. 3	-	-
West Branch of	Max. 4	-	-
Niagara River	Min. 3	-	-
<u>Ontario County</u>	Samples 3	3	-
Geneva	Avg. 6	N.D.	-
Seneca Lake	Max. 8	N.D.	-
	Min. 4	N.D.	-
<u>Oswego County</u>	Samples 6	3	-
Oswego	Avg. 4	N.D.	-
City Hall Tap	Max. 5	N.D.	-
	Min. 4	N.D.	-
New Haven	Samples 3	3	-
Demster Beach Road	Avg. 6	N.D.	-
	Max. 12	N.D.	-
	Min. 3	N.D.	-
<u>Saratoga County</u>	Samples 3	3	-
Milton	Avg. 1	N.D.	-
Glowegee Creek	Max. 2	N.D.	-
at Route 50	Min. N.D.	N.D.	-

APPENDIX C

TABLE I - INTERFERENCE FREE (ENVIRONMENTAL SAMPLES) DETECTION SENSITIVITIES  
BY HIGH RESOLUTION Ge(Li) GAMMA SPECTROSCOPY

Nuclide	Water (1 liter) pCi/ml	Filters pCi/total filter
Be <sup>7</sup>	0.06	60
Cr <sup>51</sup>	0.06	60
Mn <sup>54</sup>	0.006	6
Co <sup>58</sup>	0.006	6
Co <sup>60</sup>	0.006	6
Se <sup>75</sup>	0.052	52
Fe <sup>59</sup>	0.011	11
Zr <sup>95</sup>	0.011	11
Ru <sup>103</sup>	0.007	7
Ru <sup>106</sup>	0.06	60
I <sup>131</sup>	0.008	8
Cs <sup>134</sup>	0.007	7
Cs <sup>137</sup>	0.007	7
Ba <sup>140</sup>	0.025	25
La <sup>140</sup>	0.006	6
Ge <sup>141</sup>	0.012	12
Ce <sup>144</sup>	0.052	52
K <sup>40</sup>	0.052	52
Ra <sup>226</sup>	0.012	12
Th <sup>228</sup>	0.012	12