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

QUIRK, LAWLER & MATUSKY ENGINEERS
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APPENDIX VII

LIST OF APPENDICES

VOLUME III - PART 4

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	FOO	TBOD	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	SO4
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	17.310		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	0.005				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	PB	V
11799	19116	OSS-1	73/04/27	8:15	1.0			20.0	GRAB	MO	1.030	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	FOO	T80D	TCOC	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		18.0			20.0	GRAB	MO	8.5	69.40	85.0	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	SO4
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		18.0			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	0.00	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		8.200	0.032		1
21298	19116	OSS-1	73/07/31		18.0			20.0	GRAB	MO	9.400	8.600	0.010		0
24098	19116	OSS-1	73/08/28		18.0			20.0	GRAB	MO	18.600		0.031	4000	18
26898	19116	OSS-1	73/09/25		18.0			20.0	GRAB	MO	14.050	8.410	0.012	3947	95
30398	19116	OSS-1	73/10/30		18.0			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		18.0			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		18.0			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		18.0			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		18.0			20.0	GRAB	MO	75	0.000	0.0			0.220	
30398	19116	OSS-1	73/10/30		18.0			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		18.0			20.0	GRAB	MO					0.100
24098	19116	OSS-1	73/08/28		18.0			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	FDO	TBOD	TCOD	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
24097	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
24097	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	0.05	30	27
33197	19116	OSS-2	73/11/27		1.0			45.0	GRAB	MO	4	0.25		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
24097	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	0.00	210
24097	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	
24097	19116	OSS-2	73/08/28		1.0			45.0	GRAB	MO	55	0.066	0.0			0.000	
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
24097	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	TBOD	TCOD	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	SO4
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	17.900		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	TDS
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	T8OD	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
24095	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	0.26	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	
24095	19116	OSS-3	73/08/28						GRAB	MO	5	0.05	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	0.06	90	41
33195	19116	OSS-3	73/11/27						GRAB	MO	6	0.27		0.05	0.08	72	38
36199	19116	OSS-3	73/12/27						GRAB	MO	8	0.38		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
24095	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
24095	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	0.000		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	
24095	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	0.230	1.540	0.020	0.040	0.000
15295	19116	OSS-3	73/06/01	8:00				20.0	GRAB	MO					
24095	19116	OSS-3	73/08/28						GRAB	MO					0.000
26895	19116	OSS-3	73/09/25						GRAB	MO					
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	SO4
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	50	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	MG	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	18.830		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	CRGN	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	CD	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	PB	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	MP	MSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	PDO	TBOD
16387	19115	NMP-1	73/06/12	8:45	1.0			20.0	GRAB	BIMO	8.9	370.0	63.50	22.0		11.4	3
17899	19115	NMP-1	73/06/27	8:30	1.0			20.0	GRAB	BIMO	8.0	375.0	62.80	6.0	0.0	12.1	4
19091	19115	NMP-1	73/07/09		1.0			20.0	GRAB	BIMO	8.6	430.0	74.30	9.0	0.0	8.9	0
20591	19115	NMP-1	73/07/24		1.0			20.0	GRAB	BIMO	8.7	240.0	68.40	2.0	0.5	7.2	1
21991	19115	NMP-1	73/08/07		1.0			20.0	GRAB	BIMO		390.0	73.60	5.0	0.0	9.4	4
23591	19115	NMP-1	73/08/22		1.0			20.0	GRAB	BIMO	8.5	310.0	75.00	1.0	0.0	8.2	1
24785	19115	NMP-1	73/09/04		1.0			20.0	GRAB	BIMO	8.6	380.0	80.60	3.0	0.0	8.6	3
26291	19115	NMP-1	73/09/19		1.0			20.0	GRAB	BIMO	8.4	270.0	67.60	3.0	0.0	7.7	1
28291	19115	NMP-1	73/10/09		1.0			20.0	GRAB	BIMO	8.3	260.0	57.20	1.0	0.0	9.5	1
29691	19115	NMP-1	73/10/23		1.0			20.0	GRAB	BIMO	8.3		52.60	1.0	0.0	10.1	2
31291	19115	NMP-1	73/11/08		1.0			20.0	GRAB	BIMO	8.0	235.0	46.20	3.0	0.5	10.5	2
32291	19115	NMP-1	73/11/18		1.0			20.0	GRAB	BIMO	8.2	230.0	42.80	6.0	1.0	11.2	2
33886	19115	NMP-1	73/12/04		1.0			20.0	GRAB	BIMO	8.0	240.0	46.40	0.0	-1.0	10.8	2
34691	19115	NMP-1	73/12/12		1.0			20.0	GRAB	BIMO	7.8	220.0	43.00	0.0	1.0	10.5	2

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16387	19115	NMP-1	73/06/12	8:45	1.0			20.0	GRAB	BIMO	10	290	3	0.06	0.46	0.00	0.27
17899	19115	NMP-1	73/06/27	8:30	1.0			20.0	GRAB	BIMO	11	323	2	0.11	0.66	0.00	0.05
19091	19115	NMP-1	73/07/09		1.0			20.0	GRAB	BIMO	13	350	12	0.12	0.50	0.00	0.05
20591	19115	NMP-1	73/07/24		1.0			20.0	GRAB	BIMO	5	220	2	0.07	0.05	0.00	0.01
21991	19115	NMP-1	73/08/07		1.0			20.0	GRAB	BIMO	17	270	8	0.03	0.00	0.02	0.04
23591	19115	NMP-1	73/08/22		1.0			20.0	GRAB	BIMO	0	203	1	0.02	0.40	0.01	0.04
24785	19115	NMP-1	73/09/04		1.0			20.0	GRAB	BIMO	21	240	4	0.01	0.40	0.00	0.03
26291	19115	NMP-1	73/09/19		1.0			20.0	GRAB	BIMO	25	220	0	0.02	0.45	0.00	0.02
28291	19115	NMP-1	73/10/09		1.0			20.0	GRAB	BIMO	4	210	2	0.07	0.40	0.00	0.02
29691	19115	NMP-1	73/10/23		1.0			20.0	GRAB	BIMO	27	220	2	0.08	0.40	0.02	0.03
31291	19115	NMP-1	73/11/08		1.0			20.0	GRAB	BIMO	11	230	7	0.19	0.18	0.03	0.07
32291	19115	NMP-1	73/11/18		1.0			20.0	GRAB	BIMO	5	220	8	0.23		0.00	0.05
33886	19115	NMP-1	73/12/04		1.0			20.0	GRAB	BIMO	25	190	1	0.24		0.01	0.05
34691	19115	NMP-1	73/12/12		1.0			20.0	GRAB	BIMO	10	220	5	0.32		0.00	0.07

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	CHLA	SI
16387	19115	NMP-1	73/06/12	8:45	1.0			20.0	GRAB	BIMO	15.0	0
17899	19115	NMP-1	73/06/27	8:30	1.0			20.0	GRAB	BIMO	7.0	0
19091	19115	NMP-1	73/07/09		1.0			20.0	GRAB	BIMO	3.8	0
20591	19115	NMP-1	73/07/24		1.0			20.0	GRAB	BIMO	5.5	0
21991	19115	NMP-1	73/08/07		1.0			20.0	GRAB	BIMO	14.0	0
23591	19115	NMP-1	73/08/22		1.0			20.0	GRAB	BIMO	3.3	0
24785	19115	NMP-1	73/09/04		1.0			20.0	GRAB	BIMO	5.5	6
26291	19115	NMP-1	73/09/19		1.0			20.0	GRAB	BIMO	0.8	0
28291	19115	NMP-1	73/10/09		1.0			20.0	GRAB	BIMO	1.1	
29691	19115	NMP-1	73/10/23		1.0			20.0	GRAB	BIMO	3.8	
31291	19115	NMP-1	73/11/08		1.0			20.0	GRAB	BIMO	0.6	
32291	19115	NMP-1	73/11/18		1.0			20.0	GRAB	BIMO	0.6	
33886	19115	NMP-1	73/12/04		1.0			20.0	GRAB	BIMO	5.5	
34691	19115	NMP-1	73/12/12		1.0			20.0	GRAB	BIMO	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	BIMO	8.9	270.0	59.40	5.0		12.5	3
17297	19115	NHP-2	73/06/27	8:40	1.0			60.0	GRAB	BIMO	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	BIMO	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	BIMO	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	BIMO		370.0	73.80	4.0	0.0	9.6	2
23589	19115	NHP-2	73/08/22		1.0			60.0	GRAB	BIMO	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	BIMO	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	BIMO	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	BIMO	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	BIMO	8.3		53.00	1.0	0.0	9.2	1
31289	19115	NHP-2	73/11/08		1.0			60.0	GRAB	BIMO	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	BIMO	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	BIMO	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	BIMO	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	BIMO	10	275	1	0.08	1.04	0.00	0.12
17697	19115	NHP-2	73/06/27	8:40	1.0			60.0	GRAB	BIMO	12	237	1	0.02	0.77	0.00	0.03
19089	19115	NHP-2	73/07/09		1.0			60.0	GRAB	BIMO	7	220	3	0.00	0.65	0.00	0.02
20589	19115	NHP-2	73/07/24		1.0			60.0	GRAB	BIMO	8	230	0	0.03	0.10	0.00	0.00
21989	19115	NHP-2	73/08/07		1.0			60.0	GRAB	BIMO	17	250	4	0.03	0.25	0.00	0.02
23589	19115	NHP-2	73/08/22		1.0			60.0	GRAB	BIMO	22	202	0	0.00	0.70	0.01	0.07
24783	19115	NHP-2	73/09/04		1.0			60.0	GRAB	BIMO	20	220	4	0.01	0.30	0.00	0.01
26289	19115	NHP-2	73/09/19		1.0			60.0	GRAB	BIMO	3	220	4	0.02	0.30	0.01	0.06
28289	19115	NHP-2	73/10/09		1.0			60.0	GRAB	BIMO	30	210	1	0.03	0.60	0.00	0.01
29689	19115	NHP-2	73/10/23		2.0			60.0	GRAB	BIMO	24	220	2	0.06	0.40	0.01	0.01
31289	19115	NHP-2	73/11/08		1.0			60.0	GRAB	BIMO	11	210	2	0.16	0.20	0.01	0.07
32289	19115	NHP-2	73/11/18		1.0			60.0	GRAB	BIMO	11	210	6	0.21		0.01	0.02
33684	19115	NHP-2	73/12/04		1.0			60.0	GRAB	BIMO	20	170	0	0.33		0.02	0.02
34689	19115	NHP-2	73/12/12		1.0			60.0	GRAB	BIMO	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	BIMO	5.0	0
17697	19115	NHP-2	73/06/27	8:40	1.0			60.0	GRAB	BIMO	7.0	0
19089	19115	NHP-2	73/07/09		1.0			60.0	GRAB	BIMO	7.6	2
20589	19115	NHP-2	73/07/24		1.0			60.0	GRAB	BIMO	4.4	0
21989	19115	NHP-2	73/08/07		1.0			60.0	GRAB	BIMO	11.0	0
23589	19115	NHP-2	73/08/22		1.0			60.0	GRAB	BIMO	2.7	0
24783	19115	NHP-2	73/09/04		1.0			60.0	GRAB	BIMO	12.7	0
26289	19115	NHP-2	73/09/19		1.0			60.0	GRAB	BIMO	3.9	2
28289	19115	NHP-2	73/10/09		1.0			60.0	GRAB	BIMO	2.2	
29689	19115	NHP-2	73/10/23		2.0			60.0	GRAB	BIMO	3.3	
31289	19115	NHP-2	73/11/08		1.0			60.0	GRAB	BIMO	0.6	
32289	19115	NHP-2	73/11/18		1.0			60.0	GRAB	BIMO	0.6	
33684	19115	NHP-2	73/12/04		1.0			60.0	GRAB	BIMO	4.1	
34689	19115	NHP-2	73/12/12		1.0			60.0	GRAB	BIMO	0.6	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	FDO	TBOD
16384	19115	NMP-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	NMP-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	NMP-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	NMP-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	NMP-2	73/08/07		58.0			60.0	GRAB	BINO		310.0	71.60	7.0	0.0	8.1	2
23588	19115	NMP-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	NMP-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	NMP-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	NMP-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	NMP-2	73/10/23		58.0			60.0	GRAB	BINO	8.3		52.80	5.0	0.0	9.5	2
31288	19115	NMP-2	73/11/08		58.0			60.0	GRAB	BINO		230.0	46.40			11.0	
32288	19115	NMP-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	NMP-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	NMP-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	MP	MSD	TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16384	19115	NMP-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	NMP-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	NMP-2	73/07/09		58.0			60.0	GRAB	BINO	5	210	9	0.00	0.30	0.00	0.16
20588	19115	NMP-2	73/07/24		58.0			60.0	GRAB	BINO	4	210	2	0.20	0.60	0.01	0.04
21988	19115	NMP-2	73/08/07		58.0			60.0	GRAB	BINO	16	260	22	0.03	0.00	0.01	0.09
23588	19115	NMP-2	73/08/22		58.0			60.0	GRAB	BINO	2	202	0	0.29	0.30	0.02	0.03
24782	19115	NMP-2	73/09/04		58.0			60.0	GRAB	BINO	24	210	3	0.01	0.20	0.01	0.01
26288	19115	NMP-2	73/09/19		58.0			60.0	GRAB	BINO	5	230	1	0.20	0.40	0.01	0.02
28288	19115	NMP-2	73/10/09		58.0			60.0	GRAB	BINO	20	210	9	0.09	0.40	0.02	0.07
29688	19115	NMP-2	73/10/23		58.0			60.0	GRAB	BINO	10	210	5	0.05	0.40	0.01	0.01
31288	19115	NMP-2	73/11/08		58.0			60.0	GRAB	BINO					1.12		
32288	19115	NMP-2	73/11/18		58.0			60.0	GRAB	BINO	65	420	260	0.23		0.07	0.07
33883	19115	NMP-2	73/12/04		58.0			60.0	GRAB	BINO	3	210	2	0.33		0.01	0.04
34688	19115	NMP-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	MP	MSD	TYPE	FREQ	CHLA	SI
16384	19115	NMP-2	73/06/12	8:30	58.0			60.0	GRAB	BINO	10.0	0
17896	19115	NMP-2	73/06/27	8:40	58.0			60.0	GRAB	BINO	25.0	0
19088	19115	NMP-2	73/07/09		58.0			60.0	GRAB	BINO	0.5	0
20588	19115	NMP-2	73/07/24		58.0			60.0	GRAB	BINO	3.8	0
21988	19115	NMP-2	73/08/07		58.0			60.0	GRAB	BINO	10.0	0
23588	19115	NMP-2	73/08/22		58.0			60.0	GRAB	BINO	0.6	0
24782	19115	NMP-2	73/09/04		58.0			60.0	GRAB	BINO	0.0	0
26288	19115	NMP-2	73/09/19		58.0			60.0	GRAB	BINO	0.0	6
28288	19115	NMP-2	73/10/09		58.0			60.0	GRAB	BINO	1.6	
29688	19115	NMP-2	73/10/23		58.0			60.0	GRAB	BINO	4.4	
31288	19115	NMP-2	73/11/08		58.0			60.0	GRAB	BINO		
32288	19115	NMP-2	73/11/18		58.0			60.0	GRAB	BINO	0.6	
33883	19115	NMP-2	73/12/04		58.0			60.0	GRAB	BINO	0.0	
34688	19115	NMP-2	73/12/12		58.0			60.0	GRAB	BINO	1.1	

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

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

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	CHLA	SI
16395	19115	NMP-3	73/06/12	8:15	1.0			20.0	GRAB	BIMO	10.0	0
17695	19115	NMP-3	73/06/27	7:40	1.0			20.0	GRAB	BIMO	29.0	0
19095	19115	NMP-3	73/07/09		1.0			20.0	GRAB	BIMO	6.6	0
20595	19115	NMP-3	73/07/24		1.0			20.0	GRAB	BIMO	4.9	0
21995	19115	NMP-3	73/08/07		1.0			20.0	GRAB	BIMO	10.0	0
23595	19115	NMP-3	73/08/22		1.0			20.0	GRAB	BIMO	5.5	0
24789	19115	NMP-3	73/09/04		1.0			20.0	GRAB	BIMO	2.7	5
26295	19115	NMP-3	73/09/19		1.0			20.0	GRAB	BIMO	1.6	1
28295	19115	NMP-3	73/10/09		1.0			20.0	GRAB	BIMO	1.6	
29695	19115	NMP-3	73/10/23		1.0			20.0	GRAB	BIMO	3.8	
31295	19115	NMP-3	73/11/08		1.0			20.0	GRAB	BIMO	0.6	
32295	19115	NMP-3	73/11/18		1.0			20.0	GRAB	BIMO	2.2	
33890	19115	NMP-3	73/12/04		1.0			20.0	GRAB	BIMO	1.3	
34695	19115	NMP-3	73/12/12		1.0			20.0	GRAB	BIMO	3.3	

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

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16394	19115	NMP-3	73/06/12	8:15	18.0			20.0	GRAB	BINO	46	250	120	0.32	1.24	0.01	0.16
17894	19115	NMP-3	73/06/27	7:40	18.0			20.0	GRAB	BINO	16	390	76	0.28	0.82	0.07	0.47
19094	19115	NMP-3	73/07/09		18.0			20.0	GRAB	BINO	3	290	4	0.03	0.85	0.01	0.03
20594	19115	NMP-3	73/07/24		18.0			20.0	GRAB	BINO	5	220	2	0.21	0.25	0.02	0.01
21994	19115	NMP-3	73/08/07		18.0			20.0	GRAB	BINO	13	240	23	0.06	0.10	0.01	0.02
23594	19115	NMP-3	73/08/22		18.0			20.0	GRAB	BINO	18	206	8	0.00	0.70	0.01	0.01
24788	19115	NMP-3	73/09/04		18.0			20.0	GRAB	BINO	26	210	4	0.01	0.35	0.01	0.01
26294	19115	NMP-3	73/09/19		18.0			20.0	GRAB	BINO	5	230	2	0.01	0.25	0.01	0.02
28294	19115	NMP-3	73/10/09		18.0			20.0	GRAB	BINO	13	230	4	0.07	0.40	0.00	0.01
29694	19115	NMP-3	73/10/23		18.0			20.0	GRAB	BINO	28	230	2	0.05	0.50	0.01	0.03
31294	19115	NMP-3	73/11/08		18.0			20.0	GRAB	BINO	3	270	7	0.14	0.46	0.02	0.05
32294	19115	NMP-3	73/11/18		18.0			20.0	GRAB	BINO	10	290	12	0.28		0.03	0.04
33889	19115	NMP-3	73/12/04		18.0			20.0	GRAB	BINO	4	230	1	0.33		0.02	0.01
34694	19115	NMP-3	73/12/12		18.0			20.0	GRAB	BINO	0	250	7	0.33		0.00	0.04

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	CHLA	SI
16394	19115	NMP-3	73/06/12	8:15	18.0			20.0	GRAB	BINO	14.8	3
17894	19115	NMP-3	73/06/27	7:40	18.0			20.0	GRAB	BINO	35.0	0
19094	19115	NMP-3	73/07/09		18.0			20.0	GRAB	BINO	6.6	1
20594	19115	NMP-3	73/07/24		18.0			20.0	GRAB	BINO	9.8	0
21994	19115	NMP-3	73/08/07		18.0			20.0	GRAB	BINO	7.0	0
23594	19115	NMP-3	73/08/22		18.0			20.0	GRAB	BINO	3.8	0
24788	19115	NMP-3	73/09/04		18.0			20.0	GRAB	BINO	10.9	0
26294	19115	NMP-3	73/09/19		18.0			20.0	GRAB	BINO	3.9	4
28294	19115	NMP-3	73/10/09		18.0			20.0	GRAB	BINO	1.6	
29694	19115	NMP-3	73/10/23		18.0			20.0	GRAB	BINO	2.7	
31294	19115	NMP-3	73/11/08		18.0			20.0	GRAB	BINO	0.6	
32294	19115	NMP-3	73/11/18		18.0			20.0	GRAB	BINO	1.6	
33869	19115	NMP-3	73/12/04		18.0			20.0	GRAB	BINO	0.0	
34694	19115	NMP-3	73/12/12		18.0			20.0	GRAB	BINO	2.2	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	FDO	TBOD
16393	19115	NHP-4	73/06/12	8:00	2.0			60.0	GRAB	BIMO	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	BIMO	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	BIMO	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	BIMO	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	BIMO		370.0	77.00	4.0	0.0	9.7	3
23593	19115	NHP-4	73/08/22		1.0			60.0	GRAB	BIMO	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	BIMO	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	BIMO	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	BIMO	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	BIMO	8.2		52.70	0.0	0.0	9.9	2
31293	19115	NHP-4	73/11/08		1.0			60.0	GRAB	BIMO	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	BIMO	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	BIMO	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	BIMO	7.9	210.0	43.00	0.0	1.0	10.4	2

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

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

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

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

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

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	SPC	T	TUR	CO2	FDO	TBOD
16391	19115	NNP-S	73/06/12	7:30	1.0			20.0	GRAB	BIMO	8.8	310.0	61.30	2.0		12.7	3
17891	19115	NNP-S	73/06/27	6:50	1.0			20.0	GRAB	BIMO	7.9	310.0	58.10	5.0	0.0	11.5	4
19099	19115	NNP-S	73/07/09		1.0			20.0	GRAB	BIMO	8.6	330.0	72.10	6.0	0.0	9.2	2
20599	19115	NNP-S	73/07/24		1.0			20.0	GRAB	BIMO	9.0	300.0	73.00	3.0	0.0	8.3	1
21999	19115	NNP-S	73/08/07		1.0			20.0	GRAB	BIMO	8.9	325.0	74.80	5.0	0.0	10.1	6
23599	19115	NNP-S	73/08/22		1.0			20.0	GRAB	BIMO	8.1	300.0	71.80	4.0	0.0	6.9	1
24793	19115	NNP-S	73/09/04		1.0			20.0	GRAB	BIMO	8.4	260.0	79.70	6.0	0.0	7.7	3
26299	19115	NNP-S	73/09/19		1.0			20.0	GRAB	BIMO	8.2	260.0	66.20	3.0	0.0	7.6	2
28299	19115	NNP-S	73/10/09		1.0			20.0	GRAB	BIMO	8.5	280.0	60.80	3.0	0.0	9.7	2
29699	19115	NNP-S	73/10/23		1.0			20.0	GRAB	BIMO	8.3		52.60	1.0	0.5	10.4	2
31299	19115	NNP-S	73/11/08		1.0			20.0	GRAB	BIMO	7.7	240.0	46.80	1.0	1.0	10.4	1
32299	19115	NNP-S	73/11/18		1.0			20.0	GRAB	BIMO	7.7	235.0	44.60	5.0	1.0	10.3	2
33894	19115	NNP-S	73/12/04		1.0			20.0	GRAB	BIMO	7.8	240.0	44.60	0.0	1.0	10.3	2
34699	19115	NNP-S	73/12/12		1.0			20.0	GRAB	BIMO	7.8	220.0	42.60	0.0	2.4	9.6	3

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TCOD	TS	TSS	NO2N	TKN	OP	TP
16391	19115	NNP-S	73/06/12	7:30	1.0			20.0	GRAB	BIMO	7	300	16		1.01	0.00	0.57
17891	19115	NNP-S	73/06/27	6:50	1.0			20.0	GRAB	BIMO	12	309	0		0.67	0.00	0.04
19099	19115	NNP-S	73/07/09		1.0			20.0	GRAB	BIMO	8	230	4		0.86	0.04	0.02
20599	19115	NNP-S	73/07/24		1.0			20.0	GRAB	BIMO	6	220	2		0.50	0.01	0.28
21999	19115	NNP-S	73/08/07		1.0			20.0	GRAB	BIMO	28	240	8		0.50	0.00	0.03
23599	19115	NNP-S	73/08/22		1.0			20.0	GRAB	BIMO	0	209	8		0.40	0.00	0.03
24793	19115	NNP-S	73/09/04		1.0			20.0	GRAB	BIMO	25	185	3		0.35	0.01	0.01
26299	19115	NNP-S	73/09/19		1.0			20.0	GRAB	BIMO	45	220	1		0.25	0.01	0.05
28299	19115	NNP-S	73/10/09		1.0			20.0	GRAB	BIMO	30	210	3		0.40	0.00	0.05
29699	19115	NNP-S	73/10/23		1.0			20.0	GRAB	BIMO	6	220	1		0.60	0.01	0.02
31299	19115	NNP-S	73/11/08		1.0			20.0	GRAB	BIMO		240	7		0.15	0.01	0.03
32299	19115	NNP-S	73/11/18		1.0			20.0	GRAB	BIMO	5	230	6			0.01	0.02
33894	19115	NNP-S	73/12/04		1.0			20.0	GRAB	BIMO	11	230	2			0.01	0.01
34699	19115	NNP-S	73/12/12		1.0			20.0	GRAB	BIMO	11	220	3			0.01	0.04

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	CHLA	SI
16391	19115	NNP-S	73/06/12	7:30	1.0			20.0	GRAB	BIMO	18.0	1
17891	19115	NNP-S	73/06/27	6:50	1.0			20.0	GRAB	BIMO	13.0	0
19099	19115	NNP-S	73/07/09		1.0			20.0	GRAB	BIMO	12.0	0
20599	19115	NNP-S	73/07/24		1.0			20.0	GRAB	BIMO	11.0	0
21999	19115	NNP-S	73/08/07		1.0			20.0	GRAB	BIMO	18.0	0
23599	19115	NNP-S	73/08/22		1.0			20.0	GRAB	BIMO	3.8	0
24793	19115	NNP-S	73/09/04		1.0			20.0	GRAB	BIMO	7.3	0
26299	19115	NNP-S	73/09/19		1.0			20.0	GRAB	BIMO	0.6	6
28299	19115	NNP-S	73/10/09		1.0			20.0	GRAB	BIMO	2.2	
29699	19115	NNP-S	73/10/23		1.0			20.0	GRAB	BIMO	1.6	
31299	19115	NNP-S	73/11/08		1.0			20.0	GRAB	BIMO	0.6	
32299	19115	NNP-S	73/11/18		1.0			20.0	GRAB	BIMO	1.1	
33894	19115	NNP-S	73/12/04		1.0			20.0	GRAB	BIMO	1.1	
34699	19115	NNP-S	73/12/12		1.0			20.0	GRAB	BIMO	1.1	

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

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

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	CHLA	SI
16390	19115	NMP-5	73/06/12	7:30	18.0			20.0	GRAB	BIMO	2.0	0
17890	19115	NMP-5	73/06/27	6:50	18.0			20.0	GRAB	BIMO	37.0	2
19098	19115	NMP-5	73/07/09		18.0			20.0	GRAB	BIMO	4.9	0
20598	19115	NMP-5	73/07/24		18.0			20.0	GRAB	BIMO	10.0	0
21998	19115	NMP-5	73/08/07		18.0			20.0	GRAB	BIMO	12.0	0
23598	19115	NMP-5	73/08/22		18.0			20.0	GRAB	BIMO	2.2	0
24792	19115	NMP-5	73/09/04		18.0			20.0	GRAB	BIMO	6.8	2
26298	19115	NMP-5	73/09/19		18.0			20.0	GRAB	BIMO	0.6	4
28298	19115	NMP-5	73/10/09		18.0			20.0	GRAB	BIMO	1.4	
29698	19115	NMP-5	73/10/23		18.0			20.0	GRAB	BIMO	0.6	
31298	19115	NMP-5	73/11/08		18.0			20.0	GRAB	BIMO	2.2	
32298	19115	NMP-5	73/11/18		18.0			20.0	GRAB	BIMO	1.1	
33893	19115	NMP-5	73/12/04		18.0			20.0	GRAB	BIMO	0.0	
34698	19115	NMP-5	73/12/12		18.0			20.0	GRAB	BIMO	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	BIMO	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	BIMO	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	BIMO	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	BIMO	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	BIMO		345.0	74.80	3.0	0.0	10.4	3
23597	19115	NHP-6	73/08/22		1.0			60.0	GRAB	BIMO	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	BIMO	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	BIMO	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	BIMO	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	BIMO	8.3		52.60	1.0	0.0	10.1	3
31297	19115	NHP-6	73/11/08		1.0			60.0	GRAB	BIMO	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	BIMO	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	BIMO	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	BIMO	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	BIMO	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	BIMO	10	289	4	0.07	0.76	0.00	0.04
19097	19115	NHP-6	73/07/09		1.0			60.0	GRAB	BIMO	1	210	3	0.00	0.65	0.01	0.02
20597	19115	NHP-6	73/07/24		1.0			60.0	GRAB	BIMO	6	230	3	0.02	0.45	0.00	0.02
21997	19115	NHP-6	73/08/07		1.0			60.0	GRAB	BIMO	13	200	5	0.03	0.15	0.00	0.03
23597	19115	NHP-6	73/08/22		1.0			60.0	GRAB	BIMO	9	209	4	0.00	0.40	0.00	0.03
24791	19115	NHP-6	73/09/04		1.0			60.0	GRAB	BIMO	40	175	3	0.00	0.60	0.00	0.04
26297	19115	NHP-6	73/09/19		1.0			60.0	GRAB	BIMO	30	210	1	0.00	0.50	0.01	0.02
28297	19115	NHP-6	73/10/09		1.0			60.0	GRAB	BIMO	22	200	2	0.01	0.50	0.00	0.05
29697	19115	NHP-6	73/10/23		2.0			60.0	GRAB	BIMO		210	5	0.01	0.60	0.01	0.04
31297	19115	NHP-6	73/11/08		1.0			60.0	GRAB	BIMO	14	220	4	0.15	0.20	0.01	0.10
32297	19115	NHP-6	73/11/18		1.0			60.0	GRAB	BIMO	6	210	14	0.23		0.00	0.05
33892	19115	NHP-6	73/12/04		1.0			60.0	GRAB	BIMO	18	230	2	0.32		0.01	0.02
34697	19115	NHP-6	73/12/12		1.0			60.0	GRAB	BIMO	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	BIMO	5.0	0
17889	19115	NHP-6	73/06/27	7:10	1.0			60.0	GRAB	BIMO	13.0	0
19097	19115	NHP-6	73/07/09		1.0			60.0	GRAB	BIMO	7.6	1
20597	19115	NHP-6	73/07/24		1.0			60.0	GRAB	BIMO	15.0	0
21997	19115	NHP-6	73/08/07		1.0			60.0	GRAB	BIMO	12.0	0
23597	19115	NHP-6	73/08/22		1.0			60.0	GRAB	BIMO	0.6	0
24791	19115	NHP-6	73/09/04		1.0			60.0	GRAB	BIMO	3.6	0
26297	19115	NHP-6	73/09/19		1.0			60.0	GRAB	BIMO	0.8	0
28297	19115	NHP-6	73/10/09		1.0			60.0	GRAB	BIMO	3.3	
29697	19115	NHP-6	73/10/23		2.0			60.0	GRAB	BIMO	2.2	
31297	19115	NHP-6	73/11/08		1.0			60.0	GRAB	BIMO	2.7	
32297	19115	NHP-6	73/11/18		1.0			60.0	GRAB	BIMO	0.6	
33692	19115	NHP-6	73/12/04		1.0			60.0	GRAB	BIMO	0.0	
34697	19115	NHP-6	73/12/12		1.0			60.0	GRAB	BIMO	1.6	

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

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TCOD	TS	TSS	NO3N	TKN	OP	TP
16388	19115	NNP-6	73/06/12	7:45	58.0			60.0	GRAB	BIMO	9	355	1	0.06	0.93	0.00	0.91
17888	19115	NNP-6	73/06/27	7:10	58.0			60.0	GRAB	BIMO	9	240	1	0.17	0.61	0.01	0.03
19096	19115	NNP-6	73/07/09		58.0			60.0	GRAB	BIMO	7	220	22	0.09	0.40	0.03	0.03
20596	19115	NNP-6	73/07/24		58.0			60.0	GRAB	BIMO	2	220	2	0.23	0.05	0.01	0.01
21996	19115	NNP-6	73/08/07		58.0			60.0	GRAB	BIMO	14	220	4	0.03	0.15	0.00	0.00
23596	19115	NNP-6	73/08/22		58.0			60.0	GRAB	BIMO	6	223	3	0.09	0.45	0.01	0.03
24790	19115	NNP-6	73/09/04		58.0			60.0	GRAB	BIMO	8	165	4	0.00	0.35	0.01	0.01
26296	19115	NNP-6	73/09/19		58.0			60.0	GRAB	BIMO	45	210	1	0.00	0.20	0.01	0.02
28296	19115	NNP-6	73/10/09		58.0			60.0	GRAB	BIMO	6	250	85	0.09	0.70	0.01	0.10
29696	19115	NNP-6	73/10/23		58.0			60.0	GRAB	BIMO		210	3	0.06	0.80	0.01	0.01
31296	19115	NNP-6	73/11/08		58.0			60.0	GRAB	BIMO	13	250	3	0.18	0.15	0.03	0.17
32296	19115	NNP-6	73/11/18		58.0			60.0	GRAB	BIMO	3	250	12	0.25		0.01	0.02
33391	19115	NNP-6	73/12/04		58.0			60.0	GRAB	BIMO	7	230	2	0.28		0.01	0.03
34696	19115	NNP-6	73/12/12		58.0			60.0	GRAB	BIMO	6	230	75	0.28		0.01	0.05

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

1973 *DATA*

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	FDD	TBOD	TCOD	TTOC
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	8.0	65.30	90.0	11.8		11	
20587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	8.8	78.80	84.0	8.7	2	9	10
24093	19115	NMP-7	73/08/28		1.0			20.0	GRAB	MO	8.4	81.00	81.0	8.4	1	4	2
26393	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	7.8	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	9.5	2	30	6
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO	8.2	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	0.00	0.04	0.08	7[illegible]
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	46
20587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	200	4	0.06	0.19	0.01	0.01	28
24093	19115	NMP-7	73/08/28		1.0			20.0	GRAB	MO	200	9	0.05	0.35	0.01	0.02	31
26393	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	200	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	0.030	0.270		0.052	0	
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO	0.020	0.230		0.000	0	
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	0.010	0.140	0.000	0.000		0
17887	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	0.030	0.100	0.000	0.633	175	1
20587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	0.030	0.360	0.140	0.000	40	0
24093	19115	NMP-7	73/08/26		1.0			20.0	GRAB	MO	0.000	0.210	0.030		19	0
26893	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	0.030	0.220	0.000	0.014	153	0
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO	0.030	0.030	0.000	0.041	136	3
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO	0.020	0.060	0.000	0.010	39	10

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SPC	TH	COL	TUR	TS	TVS	NH3N
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	0.5	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			0.0	200	90	0.0
24093	19115	NMP-7	73/08/28		1.0			20.0	GRAB	MO			5	3.0	210	60	
26893	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	270.0	147	5	1.0	200	65	0.0
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO		139	5	5.0	250	155	0.2
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO	235.0		5	0.0	220	90	0.0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	ORGN	PHL	SO4	F	CN	SETP	SUR
8899	19115	NMP-7	73/03/29		1.0			20.0	GRAB	MO	0.00	0.15	23				
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO		0.007	20				
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	0.25	0.025	32		0.0		0.10
17887	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	0.55		39	0.1	0.0		0.01
20587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	0.10	0.062	31	0.1	0.0	0.0	0.03
24093	19115	NMP-7	73/08/28		1.0			20.0	GRAB	MO		0.017	29	0.1	0.0	0.0	0.03
26893	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	0.15	0.000	30	0.1	0.0	0.0	0.01
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO		0.014	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	0.03

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	AG	AL	AS	BA	BE	CD	CR
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	0.023	0.000
17887	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO		0.000			0.000	0.011	0.000
22587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO	0.000	0.000		0.250	0.000	0.006	0.040
24093	19115	NMP-7	73/08/28		1.0			20.0	GRAB	MO	0.000	0.000		0.000	0.000	0.000	0.010
26893	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO	0.000		0.000	0.070	0.000	0.000	0.160
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO	0.000		0.000		0.000	0.004	0.000
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO	0.000	0.000	0.000		0.000	0.003	0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	HG	K	MG	NA	NI	PB	SE
8899	19115	NMP-7	73/03/29		1.0			20.0	GRAB	MO	0.000	1.350	6.890	11.600	0.000	0.000	
11793	19115	NMP-7	73/04/28	6:30	1.0			20.0	GRAB	MO		1.630	6.670	13.100	0.040	0.080	
15293	19115	NMP-7	73/06/01	8:15	1.0			20.0	GRAB	MO	0.000	2.130	9.130	27.900	0.060	0.000	
17887	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	0.000	1.770	9.600	26.400	0.000	0.070	
22587	19115	NMP-7	73/07/24		1.0			20.0	GRAB	MO		2.260	9.600	13.400	0.080	0.000	0
24093	19115	NMP-7	73/08/28		1.0			20.0	GRAB	MO		1.460		13.900	0.000	0.000	
26893	19115	NMP-7	73/09/25		1.0			20.0	GRAB	MO		1.850		10.910	0.190		
30393	19115	NMP-7	73/10/30		1.0			20.0	GRAB	MO		2.220		20.500			
33193	19115	NMP-7	73/11/27		1.0			20.0	GRAB	MO		2.210	8.020	9.060	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	
17887	19115	NMP-7	73/06/27	8:00	1.0			20.0	GRAB	MO	0	0.300
22587	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
26893	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	TBOD	TCOD	TTOC
8898	19115	NMP-7	73/03/29		18.0			20.0	GRAB	MO	7.9		79.0		1	10	
11792	19115	NMP-7	73/04/28	6:30	18.0			20.0	GRAB	MO	7.5	41.90	77.0		2	6	
15292	19115	NMP-7	73/06/01	8:15	18.0			20.0	GRAB	MO	7.8	50.70	96.0	12.1		16	4
17886	19115	NMP-7	73/06/27	8:00	18.0			20.0	GRAB	MO	8.5	59.00	92.0	11.0		18	
20586	19115	NMP-7	73/07/24		18.0			20.0	GRAB	MO	8.7	71.60	93.0	8.6	1	14	9
24092	19115	NMP-7	73/08/28		18.0			20.0	GRAB	MO	8.2	74.00	76.0	8.2	1	18	3
26892	19115	NMP-7	73/09/25		18.0			20.0	GRAB	MO	8.0	52.70	97.0	8.1	1	27	6
30392	19115	NMP-7	73/10/30		18.0			20.0	GRAB	MO	8.2	49.60	89.0	8.6	1	12	4
33192	19115	NMP-7	73/11/27		18.0			20.0	GRAB	MO	6.6	44.10	106.0	10.5	2	35	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TDS	TSS	NO3N	TKN	OP	TP	CL
8898	19115	NMP-7	73/03/29		18.0			20.0	GRAB	MO	225	5	0.02	1.00	0.00	0.06	65
11792	19115	NMP-7	73/04/28	6:30	18.0			20.0	GRAB	MO	245	2	0.22	1.28	0.03	0.01	27
15292	19115	NMP-7	73/06/01	8:15	18.0			20.0	GRAB	MO	299	1	0.28	0.35	0.00	0.03	42
17886	19115	NMP-7	73/06/27	8:00	18.0			20.0	GRAB	MO	375	53	0.28	0.57	0.05	0.08	43
20586	19115	NMP-7	73/07/24		18.0			20.0	GRAB	MO	200	3	0.04	0.00	0.00	0.01	29
24092	19115	NMP-7	73/08/28		18.0			20.0	GRAB	MO	210	13	0.05	0.55	0.01	0.38	31
26892	19115	NMP-7	73/09/25		18.0			20.0	GRAB	MO	220	1	0.19	0.20	0.01	0.04	31
30392	19115	NMP-7	73/10/30		18.0			20.0	GRAB	MO	175	26	0.00	0.00	0.01	0.02	30
33192	19115	NMP-7	73/11/27		18.0			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		18.0			20.0	GRAB	MO	0.030	0.270		0.052		
11792	19115	NMP-7	73/04/28	6:30	18.0			20.0	GRAB	MO	0.410	0.120		0.000	0	
15292	19115	NMP-7	73/06/01	8:15	18.0			20.0	GRAB	MO	0.100	0.010	0.000	0.026		0
17886	19115	NMP-7	73/06/27	8:00	18.0			20.0	GRAB	MO	0.010	0.000	0.030	0.110	150	4
20586	19115	NMP-7	73/07/24		18.0			20.0	GRAB	MO	0.020	0.000	0.200	0.010	10	0
24092	19115	NMP-7	73/08/28		18.0			20.0	GRAB	MO	0.080	0.280	0.030		49	0
26892	19115	NMP-7	73/09/25		18.0			20.0	GRAB	MO	0.020	0.000	0.040	0.009	149	9
30392	19115	NMP-7	73/10/30		18.0			20.0	GRAB	MO	0.030	0.090	0.020	0.030	25	9
33192	19115	NMP-7	73/11/27		18.0			20.0	GRAB	MO	0.030	0.000	0.000	0.013	20	3

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		18.0			20.0	GRAB	MO	330.0	152	10	3.0	232	75	0.0
11792	19115	NMP-7	73/04/28	6:30	18.0			20.0	GRAB	MO	348.0	139	10	5.2	245	55	
15292	19115	NMP-7	73/06/01	8:15	18.0			20.0	GRAB	MO	280.0		0	5.0	290	100	0.0
17886	19115	NMP-7	73/06/27	8:00	18.0			20.0	GRAB	MO	335.0			5.0	425		0.0
20586	19115	NMP-7	73/07/24		18.0			20.0	GRAB	MO	360.0			5.0	200	80	0.0
24092	19115	NMP-7	73/08/28		18.0			20.0	GRAB	MO			5	3.0	220	50	0.1
26892	19115	NMP-7	73/09/25		18.0			20.0	GRAB	MO	240.0	155	5	1.0	220	75	0.0
30392	19115	NMP-7	73/10/30		18.0			20.0	GRAB	MO		136	5	5.0	200	60	0.1
33192	19115	NMP-7	73/11/27		18.0			20.0	GRAB	MO	235.0		5	0.0	240	90	0.0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	ORGN	PHL	SO4	F	CN	SETR	SUP
8898	19115	NMP-7	73/03/29		18.0			20.0	GRAB	MO	1.00	0.100	23				
11792	19115	NMP-7	73/04/28	6:30	18.0			20.0	GRAB	MO		0.007	28				
15292	19115	NMP-7	73/06/01	8:15	18.0			20.0	GRAB	MO	0.35	0.010	30		0.0		0.12
17886	19115	NMP-7	73/06/27	8:00	18.0			20.0	GRAB	MO	0.50		38	0.1	0.0		0.00
20586	19115	NMP-7	73/07/24		18.0			20.0	GRAB	MO	0.00	0.007	27	0.1	0.0	0.0	0.03
24092	19115	NMP-7	73/08/28		18.0			20.0	GRAB	MO		0.053	29	0.1	0.0	0.0	0.14
26892	19115	NMP-7	73/09/25		18.0			20.0	GRAB	MO	0.20	0.000	34	0.1	0.0	0.0	0.15
30392	19115	NMP-7	73/10/30		18.0			20.0	GRAB	MO		0.000	28	0.2	0.0	0.0	0.04
33192	19115	NMP-7	73/11/27		18.0			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	CD	CR
8998	19115	NMP-7	73/03/29		18.0			20.0	GRAB	MO					0.004	0.000	0.000
11792	19115	NMP-7	73/04/28	6:30	18.0			20.0	GRAB	MO		0.000			0.000	0.000	0.020
15292	19115	NMP-7	73/06/01	6:15	19.0			20.0	GRAB	MO	0.000	0.030		0.170	0.000	0.015	0.000
17886	19115	NMP-7	73/06/27	8:00	19.0			20.0	GRAB	MO		0.030			0.036	0.000	0.000
20586	19115	NMP-7	73/07/24		18.0			20.0	GRAB	MO	0.000	0.000		0.000	0.014	0.021	0.000
24092	19115	NMP-7	73/08/28		18.0			20.0	GRAB	MO	0.000	0.000		0.000	0.000	0.008	0.000
26392	19115	NMP-7	73/09/25		18.0			20.0	GRAB	MO	0.033		0.000	0.000	0.011	0.020	0.030
30392	19115	NMP-7	73/10/30		19.0			20.0	GRAB	MO	0.000		0.006		0.000	0.000	0.000
33192	19115	NMP-7	73/11/27		18.0			20.0	GRAB	MO	0.000	0.000	0.000		0.000	0.006	0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	HG	K	MG	NA	NI	PB	SE
8998	19115	NMP-7	73/03/29		18.0			20.0	GRAB	MO	0.000	1.390	9.400	13.300	0.050	0.000	
11792	19115	NMP-7	73/04/28	6:30	18.0			20.0	GRAB	MO		1.560	6.670	13.650	0.000	0.000	
15292	19115	NMP-7	73/06/01	6:15	19.0			20.0	GRAB	MO	0.000	2.220	7.600	22.400	0.020	0.000	
17886	19115	NMP-7	73/06/27	8:00	19.0			20.0	GRAB	MO	0.000	1.990	8.400	19.800	0.000	0.040	
20586	19115	NMP-7	73/07/24		18.0			20.0	GRAB	MO		2.240	9.220	13.000	0.050	0.000	
24092	19115	NMP-7	73/08/28		18.0			20.0	GRAB	MO		1.490		14.200	0.000	0.000	
26392	19115	NMP-7	73/09/25		18.0			20.0	GRAB	MO		1.820		11.310	0.200		
30392	19115	NMP-7	73/10/30		19.0			20.0	GRAB	MO		2.140		19.800			
33192	19115	NMP-7	73/11/27		18.0			20.0	GRAB	MO		2.250	8.000	8.950	0.000	0.000	0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SI	V
8998	19115	NMP-7	73/03/29		18.0			20.0	GRAB	MO		0.000
11792	19115	NMP-7	73/04/28	6:30	18.0			20.0	GRAB	MO		0.000
15292	19115	NMP-7	73/06/01	6:15	19.0			20.0	GRAB	MO	0	
17886	19115	NMP-7	73/06/27	8:00	18.0			20.0	GRAB	MO	0	0.000
20586	19115	NMP-7	73/07/24		18.0			20.0	GRAB	MO		0.000
24092	19115	NMP-7	73/08/28		18.0			20.0	GRAB	MO	0	0.000
26392	19115	NMP-7	73/09/25		18.0			20.0	GRAB	MO	0	
30392	19115	NMP-7	73/10/30		19.0			20.0	GRAB	MO		
33192	19115	NMP-7	73/11/27		18.0			20.0	GRAB	MO		0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	FCO	TBCD	TCCD	TTCC
8897	19115	NMP-6	73/03/29		1.0			45.0	GRAB	MO	7.6		80.0		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	8.0	52.70	112.0	11.3		15	1
17385	19115	NMP-6	73/06/27	8:10	1.0			45.0	GRAB	MO	8.7	63.50	85.0	12.2		12	
20585	19115	NMP-8	73/07/24		1.0			45.0	GRAB	MO	8.8	76.50	94.0	9.1	3	6	10
24091	19115	NMP-8	73/08/28		1.0			45.0	GRAB	MO	8.5	74.50	84.0	8.5	1	3	2
26891	19115	NMP-8	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	10.1	1	7	7
33191	19115	NMP-8	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	NO3N	TKN	OP	TP	CL
8897	19115	NMP-8	73/03/29		1.0			45.0	GRAB	MO	190	1	0.02	0.50	0.01	0.09	70
11791	19115	NMP-8	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-8	73/06/01	8:25	1.0			45.0	GRAB	MO	330	5	0.38	0.35	0.21	0.06	53
17885	19115	NMP-8	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-8	73/07/24		1.0			45.0	GRAB	MO	210	4	0.04	0.30	0.01	0.02	30
24091	19115	NMP-8	73/08/28		1.0			45.0	GRAB	MO	200	2	0.00	0.35	0.00	0.02	30
26891	19115	NMP-8	73/09/25		1.0			45.0	GRAB	MO	210	2	0.12	0.20	0.00	0.02	34
30391	19115	NMP-8	73/10/30		1.0			45.0	GRAB	MO	210	7	0.14	0.70	0.03	0.03	36
33191	19115	NMP-8	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-8	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-8	73/06/01	8:25	1.0			45.0	GRAB	MO	0.030	0.190	0.120	0.000	95	
17885	19115	NMP-8	73/06/27	8:10	1.0			45.0	GRAB	MO	0.010	0.000	0.000	0.018	165	0
20585	19115	NMP-8	73/07/24		1.0			45.0	GRAB	MO	0.020	0.000	0.120	0.000	35	0
24091	19115	NMP-8	73/08/28		1.0			45.0	GRAB	MO	0.000	0.031	0.000		26	0
26891	19115	NMP-8	73/09/25		1.0			45.0	GRAB	MO	0.000	0.000	0.040	0.010	52	4
30391	19115	NMP-8	73/10/30		1.0			45.0	GRAB	MO	0.040	0.030	0.000	0.035	40	21
33191	19115	NMP-8	73/11/27		1.0			45.0	GRAB	MO	0.000	0.000	0.000	0.007	25	0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SPC	TN	COL	TUR	TS	TVS	NH3N
8897	19115	NMP-8	73/03/29		1.0			45.0	GRAB	MO	320.0	146	10	2.0	190	15	0.0
11791	19115	NMP-8	73/04/28	7:15	1.0			45.0	GRAB	MO	337.0	141	10	6.0	235	45	
15291	19115	NMP-8	73/06/01	8:25	1.0			45.0	GRAB	MO	340.0		10	6.0	335	100	0.0
17885	19115	NMP-8	73/06/27	8:10	1.0			45.0	GRAB	MO	370.0			2.0	340		0.1
20585	19115	NMP-8	73/07/24		1.0			45.0	GRAB	MO	300.0			6.0	210	110	0.0
24091	19115	NMP-8	73/08/28		1.0			45.0	GRAB	MO			5	3.0	200	85	0.2
26891	19115	NMP-8	73/09/25		1.0			45.0	GRAB	MO	255.0	157	5	1.0	210	75	0.0
30391	19115	NMP-8	73/10/30		1.0			45.0	GRAB	MO			5	5.0	220	55	
33191	19115	NMP-8	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	ORGN	PHL	SO4	F	CN	SETR	SUR
8897	19115	NMP-8	73/03/29		1.0			45.0	GRAB	MO	0.50	0.080	24				
11791	19115	NMP-8	73/04/28	7:15	1.0			45.0	GRAB	MO		0.094	24				
15291	19115	NMP-8	73/06/01	8:25	1.0			45.0	GRAB	MO	0.35	0.050	32		0.0		0.11
17885	19115	NMP-8	73/06/27	8:10	1.0			45.0	GRAB	MO	0.50		39	0.1	0.0		0.00
20585	19115	NMP-8	73/07/24		1.0			45.0	GRAB	MO	0.00	0.076	27	0.1	0.0	0.0	0.03
24091	19115	NMP-8	73/08/28		1.0			45.0	GRAB	MO		0.033	28	0.1	0.0	0.0	0.04
26891	19115	NMP-8	73/09/25		1.0			45.0	GRAB	MO	0.20	0.000	31	0.1	0.0	0.0	0.02
30391	19115	NMP-8	73/10/30		1.0			45.0	GRAB	MO		0.000	28	0.2	0.0	0.0	0.04
33191	19115	NMP-8	73/11/27		1.0			45.0	GRAB	MO		0.000	24			0.0	0.02

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	AG	AL	AS	BA	BE	CO	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		0.060	0.004	0.000	0.000
24091	19115	NMP-8	73/08/28		1.0			45.0	GRAB	MO	0.000	0.000		0.000	0.000	0.000	0.030
26891	19115	NMP-8	73/09/25		1.0			45.0	GRAB	MO	0.000		0.000	0.000	0.022	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
33191	19115	NMP-8	73/11/27		1.0			45.0	GRAB	MO	0.000	0.000	0.000		0.000	0.002	0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	HG	K	MG	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	6.670	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	9.030	28.230	0.050	0.000	
17885	19115	NMP-8	73/06/27	8:10	1.0			45.0	GRAB	MO	0.000	1.670	8.900	23.600	0.000	0.060	
20585	19115	NMP-8	73/07/24		1.0			45.0	GRAB	MO		2.260	9.340	13.250	0.030	0.000	0
24091	19115	NMP-8	73/08/28		1.0			45.0	GRAB	MO		1.440		13.300	0.030	0.000	
26891	19115	NMP-8	73/09/25		1.0			45.0	GRAB	MO		1.820		12.030	0.030		
30391	19115	NMP-8	73/10/30		1.0			45.0	GRAB	MO		2.280		22.300			0
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	
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
24091	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	MSD	TYPE	FREQ	PH	T	ALK	FDO	TBOD	TCOD	TTOC
8896	19115	NHP-8	73/03/29		43.0			45.0	GRAB	NO	7.8		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	86.0	10.8		12	
20584	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	MSD	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
20584	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	MSD	TYPE	FREQ	CU	FE	MN	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
20584	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	MSD	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
20584	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	MSD	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
20584	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	MP	MSD	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	
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	MP	MSD	TYPE	FREQ	HG	K	MG	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	MP	MSD	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	FDD	TBOD	TCOD	TTOC
595	19115	NMP-9	73/03/29						GRAB	MO	7.8		80.0		1	5	
789	19115	NMP-9	73/04/28	11:30					GRAB	MO	7.7	41.40	91.0		1	5	
289	19115	NMP-9	73/06/01	6:30					GRAB	MO	8.0	54.40	97.0			12	2
883	19115	NMP-9	73/06/27	8:05					GRAB	MO	8.5	62.00	105.0	11.7		15	
583	19115	NMP-9	73/07/24						GRAB	MO	6.4	72.00	85.0	8.0	1	7	9
08/	19115	NMP-9	73/08/28						GRAB	MO	8.3	76.00	80.0	9.0	1		3
869	19115	NMP-9	73/09/25						GRAB	MO	8.0	58.60	86.0	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
189	19115	NMP-9	73/11/27						GRAB	MO	6.8	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	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TDS	TSS	NO3N	TKN	OP	TP	CL
8995	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
5289	19115	NMP-9	73/06/01	6:30					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
0583	19115	NMP-9	73/07/24						GRAB	MO	210	4	0.06	0.10	0.01	0.01	28
4089	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	210	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	FCOL
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	
15289	19115	NMP-9	73/06/01	6:30					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	0.320	0.000	20	0
24089	19115	NMP-9	73/08/28						GRAB	MO	0.070	0.020	0.030		20	0
26889	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	0.038	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	60	0.0
11789	19115	NMP-9	73/04/28	11:30					GRAB	MO	334.0	115	10	5.6	235	30	
15289	19115	NMP-9	73/06/01	6:30					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	
24089	19115	NMP-9	73/08/28						GRAB	MO			5	5.0	210	90	0.0
26889	19115	NMP-9	73/09/25						GRAB	MO		162	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	ORGN	PHL	SOL	F	CN	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				
15289	19115	NMP-9	73/06/01	6:30					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		0.376	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
26889	19115	NMP-9	73/09/25						GRAB	MO	0.60	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	0.03
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		0.020	29			0.0	0.17

CODE	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			0.003	0.000	0.000
15289	19115	NMP-9	73/06/01	6:30					GRAB	MO	0.012	0.000		0.000	0.000	0.005	0.000
17883	19115	NMP-9	73/06/27	8:05					GRAB	MO		0.000			0.001	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	0.010	0.000		0.000	0.001	0.000	0.000
26889	19115	NMP-9	73/09/25						GRAB	MO	0.000		0.000	0.000	0.002	0.000	0.000
30389	19115	NMP-9	73/10/30						GRAB	MO	0.000				0.001	0.000	0.040
33189	19115	NMP-9	73/11/27						GRAB	MO	0.000	0.000			0.000	0.002	0.000
36197	19115	NMP-9	73/12/27						GRAB	MO	0.003				0.000	0.000	0.020

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	HG	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	0.240	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	0.340	0.000	
24089	19115	NMP-9	73/08/28						GRAB	MO		1.470		13.900	0.056	0.000	
26889	19115	NMP-9	73/09/25						GRAB	MO		1.830		11.440	0.020		0
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	8.910	0.000	0.000	
36197	19115	NMP-9	73/12/27						GRAB	MO		1.740	7.900	31.600			0

CODE	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
26889	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	TBOD	TCCD	TTOC
8893	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	100.40	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	8.3	85.80	87.0	8.9	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	12.4	2	6	

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TDS	TSS	NO3N	TKN	OP	TP	CL
8893	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	260	3	0.06	0.00	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	0.06	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	ZN	TCOL	FCOL	
8893	19115	NMP-10	73/03/29						GRAB	MO	0.050	0.240		0.060			
11787	19115	NMP-10	73/04/28	11:30					GRAB	MO	0.230	1.920		0.060	0		
15287	19115	NMP-10	73/06/01	6:30					GRAB	MO	0.140	0.230	0.180	0.020		550	
17981	19115	NMP-10	73/06/27	8:15					GRAB	MO	0.060	0.000	0.020	0.005	220	0	
20581	19115	NMP-10	73/07/24						7DCO	MO	0.020	0.090	0.150	0.000	5	0	
24088	19115	NMP-10	73/08/28						GRAB	MO	0.030	0.040	0.010		24	0	
26887	19115	NMP-10	73/09/25						GRAB	MO	0.033	0.030	0.020	0.049	89	7	
30387	19115	NMP-10	73/10/30						GRAB	MO	0.040	0.060	0.000	0.077	83	0	
33187	19115	NMP-10	73/11/27						GRAB	MO	0.020	0.520	0.020	0.174	53	4	
36195	19115	NMP-10	73/12/27						GRAB	MO	0.150	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
8893	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	
15287	19115	NMP-10	73/06/01	6:30					GRAB	MO			5	4.0	280	80	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	3.0	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	ORGN	PHL	SO4	F	CN	SETR	SUS
8893	19115	NMP-10	73/03/29						GRAB	MO	0.30	0.080	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	0.41	0.066	27		0.0		0.1
17981	19115	NMP-10	73/06/27	8:15					GRAB	MO	0.60		30	0.1	0.0		0.1
20581	19115	NMP-10	73/07/24						7DCO	MO	0.50	0.050	28	0.1	0.0	0.0	0.1
24088	19115	NMP-10	73/08/28						GRAB	MO		0.033	37	0.1	0.0	0.0	0.1
26887	19115	NMP-10	73/09/25						GRAB	MO	0.35	0.050	27	0.1	0.0	0.0	0.1
30387	19115	NMP-10	73/10/30						GRAB	MO		0.030	25	0.2	0.0	0.0	0.1
33187	19115	NMP-10	73/11/27						GRAB	MO		0.040	25			0.0	0.0
36195	19115	NMP-10	73/12/27						GRAB	MO		0.030	29			0.0	0.1

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	AG	AL	AS	BA	BE	CD	CR
8993	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					GRAB	MO	0.010	0.040		0.000	0.006	0.015	0.000
17981	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						TOCO	MO	0.000	0.071		0.000	0.000	0.000	0.050
24089	19115	NMP-10	73/08/28						GRAB	MO	0.000	0.000		0.000	0.000	0.000	0.000
26887	19115	NMP-10	73/09/25						GRAB	MO	0.000		0.000	0.000	0.018	0.000	0.000
30387	19115	NMP-10	73/10/30						GRAB	MO	0.000				0.004	0.000	0.000
33187	19115	NMP-10	73/11/27						GRAB	MO	0.000	0.000			0.000	0.006	0.000
36195	19115	NMP-10	73/12/27						GRAB	MO	0.002				0.000	0.000	0.020

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	HG	K	MG	NA	NI	PB	SE
8993	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	0.080	
15287	19115	NMP-10	73/06/01	6:30					GRAB	MO	0.000	2.230	7.000	23.800	0.000	0.000	
17981	19115	NMP-10	73/06/27	8:15					GRAB	MO	0.000	1.550	8.400	22.800	0.000	0.000	
20581	19115	NMP-10	73/07/24						TOCO	MO		2.310	9.520	13.100	0.030	0.000	0
24088	19115	NMP-10	73/08/28						GRAB	MO		1.450		15.600	0.050	0.000	
26887	19115	NMP-10	73/09/25						GRAB	MO		1.860		11.530	0.040		0
30387	19115	NMP-10	73/10/30						GRAB	MO		2.250		27.200			0
33187	19115	NMP-10	73/11/27						GRAB	MO		2.390	8.180	9.340	0.090	0.070	
36195	19115	NMP-10	73/12/27						GRAB	MO		1.720	7.300	27.900	0.010		0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SI	V
8893	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	1	
17881	19115	NMP-10	73/06/27	8:15					GRAB	MO	0	0.000
20581	19115	NMP-10	73/07/24						TOCO	MO		0.000
24089	19115	NMP-10	73/08/28						GRAB	MO	0	0.000
26887	19115	NMP-10	73/09/25						GRAB	MO	0	
30387	19115	NMP-10	73/10/30						GRAB	MO		
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	FOO	TBOD	TCOD	TTOC
8994	19115	NMP-11	73/03/29						7DCO	MO	7.9		83.0		0	14	
11788	19115	NMP-11	73/04/28	11:30					7DCO	MO	7.3		91.0		2	7	
15288	19115	NMP-11	73/06/01	6:30					7DCO	MO	7.9		97.0			7	6
17882	19115	NMP-11	73/06/27	8:05					7DCO	MO	8.1		95.0			13	
20582	19115	NMP-11	73/07/24						7DCO	MO	8.2		82.0		3	5	6
26888	19115	NMP-11	73/09/25						7DCO	MO	8.1		83.0		1	24	5
30388	19115	NMP-11	73/10/30						7DCO	MO	8.0		88.0		2	21	4
33188	19115	NMP-11	73/11/27						7DCO	MO	6.9		120.0		3	13	
36196	19115	NMP-11	73/12/27						7DCO	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						7DCO	MO	135	11	0.03	0.50	0.00	0.03	70
11788	19115	NMP-11	73/04/28	11:30					7DCO	MO	250	1	0.15	0.77	0.00	0.01	33
15288	19115	NMP-11	73/06/01	6:30					7DCO	MO	250	0	0.00	0.20	0.00	0.04	29
17882	19115	NMP-11	73/06/27	8:05					7DCO	MO	345	2	0.23	1.40	0.00	0.04	47
20582	19115	NMP-11	73/07/24						7DCO	MO	210	1	0.10	0.00	0.01	0.01	31
26888	19115	NMP-11	73/09/25						7DCO	MO	210	1	0.13	0.20	0.01	0.06	30
30388	19115	NMP-11	73/10/30						7DCO	MO	210	2	0.11	0.80	0.01	0.07	30
33188	19115	NMP-11	73/11/27						7DCO	MO	260	0	0.22	0.30	0.02	0.03	33
36196	19115	NMP-11	73/12/27						7DCO	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						7DCO	MO	0.020	0.340		0.017		
11788	19115	NMP-11	73/04/28	11:30					7DCO	MO	0.280	0.250		0.000	0	
15288	19115	NMP-11	73/06/01	6:30					7DCO	MO	0.020	0.270	0.360	0.015		0
17882	19115	NMP-11	73/06/27	8:05					7DCO	MO	0.040	0.080	0.040	0.000	19	0
20582	19115	NMP-11	73/07/24						7DCO	MO	0.000	0.070	0.050	0.038	40	0
26888	19115	NMP-11	73/09/25						7DCO	MO	0.070	0.330	0.000	0.012	127	1
30388	19115	NMP-11	73/10/30						7DCO	MO	0.000	0.120	0.020	0.012	110	0
33188	19115	NMP-11	73/11/27						7DCO	MO	0.040	0.000	0.060	0.043	45	0
36196	19115	NMP-11	73/12/27						7DCO	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						7DCO	MO	330.0	157	10	3.0	145	10	0.0
11788	19115	NMP-11	73/04/28	11:30					7DCO	MO	354.0	144	10	4.2	255	70	
15288	19115	NMP-11	73/06/01	6:30					7DCO	MO			0	2.0	250	80	0.0
17882	19115	NMP-11	73/06/27	8:05					7DCO	MO				2.0	345		
20582	19115	NMP-11	73/07/24						7DCO	MO				7.0	210	75	0.0
26888	19115	NMP-11	73/09/25						7DCO	MO		150	5	2.0	210	70	0.0
30388	19115	NMP-11	73/10/30						7DCO	MO		131	5	6.0	210	70	0.1
33188	19115	NMP-11	73/11/27						7DCO	MO			5	0.0	260	85	0.0
36196	19115	NMP-11	73/12/27						7DCO	MO			45	16.0	260	75	0.1

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	ORGN	PHL	SO4	F	CN	SETR	SUR
8994	19115	NMP-11	73/03/29						7DCO	MO	0.63	0.080	22				
11788	19115	NMP-11	73/04/28	11:30					7DCO	MO		0.142	27				
15288	19115	NMP-11	73/06/01	6:30					7DCO	MO	0.20	0.000	28		0.0		0.10
17882	19115	NMP-11	73/06/27	8:05					7DCO	MO			35	0.1	0.0		0.01
20582	19115	NMP-11	73/07/24						7DCO	MO	0.30	0.035	32	0.1	0.0	0.0	0.03
26888	19115	NMP-11	73/09/25						7DCO	MO	0.20	0.000	28	0.1	0.0	0.0	0.01
30388	19115	NMP-11	73/10/30						7DCO	MO		0.020	29	0.2	0.0	0.0	0.03
33188	19115	NMP-11	73/11/27						7DCO	MO		0.000	25			0.0	0.01
36196	19115	NMP-11	73/12/27						7DCO	MO		0.040	32			0.0	0.01

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	AG	AL	AS	BA	BE	CD	CR
8894	19115	NMP-11	73/03/29						70CO	MO					0.000	0.000	0.000
11788	19115	NMP-11	73/04/28	11:30					70CO	MO		0.000			0.000	0.000	0.010
15288	19115	NMP-11	73/06/01	6:30					70CO	MO	0.000	0.000		0.390	0.000	0.003	0.000
17882	19115	NMP-11	73/06/27	8:05					70CO	MO		0.000			0.000	0.000	0.000
20582	19115	NMP-11	73/07/24						70CO	MO	0.000	0.000		0.000	0.000	0.006	0.070
24888	19115	NMP-11	73/09/25						70CO	MO	0.012		0.000	0.000	0.009	0.067	0.000
30388	19115	NMP-11	73/10/30						70CO	MO	0.000				0.000	0.000	0.000
33188	19115	NMP-11	73/11/27						70CO	MO	0.000	0.000			0.000	0.006	0.000
36196	19115	NMP-11	73/12/27						70CO	MO					0.000	0.000	0.040

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	HG	K	MG	NA	NI	PB	SE
8894	19115	NMP-11	73/03/29						70CO	MO	0.000	1.330	9.100	14.200	0.124	0.000	
11788	19115	NMP-11	73/04/28	11:30					70CO	MO		1.550	6.670	14.860	0.100	0.040	
15288	19115	NMP-11	73/06/01	6:30					70CO	MO	0.000	1.980	7.700	16.200	0.000	0.000	
17882	19115	NMP-11	73/06/27	8:05					70CO	MO	0.000	1.550	8.200	21.600	0.000	0.000	
20582	19115	NMP-11	73/07/24						70CO	MO		2.280	9.380	13.900	0.070	0.000	0
24888	19115	NMP-11	73/09/25						70CO	MO		1.800		11.250	0.020		
30388	19115	NMP-11	73/10/30						70CO	MO		2.190		20.200			
33188	19115	NMP-11	73/11/27						70CO	MO		2.160	8.160	8.750	0.000	0.000	
36196	19115	NMP-11	73/12/27						70CO	MO		1.870	8.000	30.400	0.040		0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SI	V
8894	19115	NMP-11	73/03/29						70CO	MO		0.000
11788	19115	NMP-11	73/04/28	11:30					70CO	MO		0.000
15288	19115	NMP-11	73/06/01	6:30					70CO	MO	4	
17962	19115	NMP-11	73/06/27	8:05					70CO	MO	0	0.000
20582	19115	NMP-11	73/07/24						70CO	MO		0.000
26688	19115	NMP-11	73/09/25						70CO	MO	0	
30388	19115	NMP-11	73/10/30						70CO	MO		
33188	19115	NMP-11	73/11/27						70CO	MO		0.000
36196	19115	NMP-11	73/12/27						70CO	MO		0.000

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	PH	T	ALK	FOU	TBOD	TCCD	TTOC
8892	19115	NMP-12	73/03/29						70CO	MO	7.8		85.0		C	10	
11786	19115	NMP-12	73/04/28	11:30					70CO	MO	6.8		94.0		C	9	
15286	19115	NMP-12	73/06/01	6:30					70CO	MO	8.0		100.0			12	C
17880	19115	NMP-12	73/06/27	8:25					70CO	MO	7.9		94.0			14	
20580	19115	NMP-12	73/07/24						70CO	MO	8.2		84.0		2	6	18
24087	19115	NMP-12	73/08/28						70CO	MO	8.0		78.0	11.7	2		0
26886	19115	NMP-12	73/09/25						70CO	MO	8.1		83.0		1	22	8
30386	19115	NMP-12	73/10/30						70CO	MO	8.2		90.0		2	22	5
33186	19115	NMP-12	73/11/27						70CO	MO	7.2		89.0		2	7	
36194	19115	NMP-12	73/12/27						70CO	MO	7.6		91.0		4		

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	TDS	TSS	NO3N	TKN	OP	TP	CL
8892	19115	NMP-12	73/03/29						70CO	MO	190	9	0.02	0.30	0.01	0.04	65
11786	19115	NMP-12	73/04/28	11:30					70CO	MO	250	0	0.10	0.43	0.01	0.00	30
15286	19115	NMP-12	73/06/01	6:30					70CO	MO	230	0	0.00	0.15	0.00	0.03	47
17880	19115	NMP-12	73/06/27	8:25					70CO	MO	235	2	0.31	0.40	0.00	0.04	31
20580	19115	NMP-12	73/07/24						70CO	MO	260	2	0.08	0.00	0.00	0.01	28
24087	19115	NMP-12	73/08/28						70CO	MO	195	13	0.05	0.30	0.01	0.03	29
26886	19115	NMP-12	73/09/25						70CO	MO	220	0	0.13	0.05	0.00	0.27	31
30386	19115	NMP-12	73/10/30						70CO	MO	210	1	0.10	0.85	0.01	0.02	30
33186	19115	NMP-12	73/11/27						70CO	MO	240	3	0.30	0.30	0.02	0.03	33
36194	19115	NMP-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	FCOL
8892	19115	NMP-12	73/03/29						70CO	MO	0.020	0.370		0.083		
11786	19115	NMP-12	73/04/28	11:30					70CO	MO	0.220	0.080		0.000	0	
15286	19115	NMP-12	73/06/01	6:30					70CO	MO	0.020	0.210	0.240	0.009	14	
17880	19115	NMP-12	73/06/27	8:25					70CO	MO	0.040	0.070	0.030	0.037	23	0
20580	19115	NMP-12	73/07/24						70CO	MO	0.000	0.140	0.090	0.021	150	0
24087	19115	NMP-12	73/08/28						70CO	MO	0.000	0.070	0.020		134	0
26886	19115	NMP-12	73/09/25						70CO	MO	0.040	0.000	0.100	0.025	14	1
30386	19115	NMP-12	73/10/30						70CO	MO	0.000	0.030	0.000	0.065	72	0
33186	19115	NMP-12	73/11/27						70CO	MO	0.030	0.350	0.020	0.013	32	3
36194	19115	NMP-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
8892	19115	NMP-12	73/03/29						70CO	MO	330.0	153	10	3.0	200	40	0.0
11786	19115	NMP-12	73/04/28	11:30					70CO	MO	350.0	140	0	3.1	250	60	
15286	19115	NMP-12	73/06/01	6:30					70CO	MO			5	4.0	260	115	0.0
17880	19115	NMP-12	73/06/27	8:25					70CO	MO				4.0	295		0.1
20580	19115	NMP-12	73/07/24						70CO	MO				8.0	260	110	0.0
24087	19115	NMP-12	73/08/28						70CO	MO			5	3.0	210	70	0.0
26886	19115	NMP-12	73/09/25						70CO	MO		152	5	1.0	200	50	0.0
30386	19115	NMP-12	73/10/30						70CO	MO		134	5	3.0	210	75	0.1
33186	19115	NMP-12	73/11/27						70CO	MO			5	0.0	240	65	0.0
36194	19115	NMP-12	73/12/27						70CO	MO			5	3.0	230	75	0.0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	ORGN	PHL	SO4	F	CN	SETS	SUR
8892	19115	NMP-12	73/03/29						70CO	MO	0.30	0.120	24				
11786	19115	NMP-12	73/04/28	11:30					70CO	MO		0.054	25				
15286	19115	NMP-12	73/06/01	6:30					70CO	MO	0.15	0.000	28		0.0		0.10
17880	19115	NMP-12	73/06/27	8:25					70CO	MO	0.25		34	0.1	0.0		0.00
20580	19115	NMP-12	73/07/24						70CO	MO	0.00	0.000	27	0.1	0.0	0.0	0.02
24087	19115	NMP-12	73/08/28						70CO	MO		0.020	29	0.1	0.0	0.0	0.04
26886	19115	NMP-12	73/09/25						70CO	MO	0.05	0.000	25	0.1	0.0	0.0	0.00
30386	19115	NMP-12	73/10/30						70CO	MO		0.000	30	0.2	0.0	0.0	0.05
33186	19115	NMP-12	73/11/27						70CO	MO		0.000	23			0.0	0.01
36194	19115	NMP-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	CR
8892	19115	NMP-12	73/03/29						70CO	MO					0.035	C.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	0.030
20580	19115	NMP-12	73/07/24						70CO	MO	0.000	0.000		0.000	0.014	0.000	0.040
24087	19115	NMP-12	73/08/28						70CO	MO	0.000	0.000		0.500	0.000	0.009	0.000
26886	19115	NMP-12	73/09/25						70CO	MO	0.000		0.060	0.000	0.009	0.000	0.040
30386	19115	NMP-12	73/10/30						70CO	MO	0.000				0.004	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	0.050

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ.	HG	K	MG	NA	NI	PB	SE
8892	19115	NMP-12	73/03/29						70CO	MO	0.050	1.430	8.700	13.600	0.070	0.050	
11786	19115	NMP-12	73/04/28	11:30					70CO	MO		1.580	6.670	19.140	0.040	0.000	
15286	19115	NMP-12	73/06/01	6:30					70CO	MO	0.000	2.370	6.600	22.200	0.030	0.000	
17887	19115	NMP-12	73/06/27	8:25					70CO	MO	0.000	1.530	8.200	18.400	0.070	0.000	
20580	19115	NMP-12	73/07/24						70CO	MO		2.310	9.030	13.000	0.000	0.080	0
24087	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		1.880		10.510	0.000		0
30386	19115	NMP-12	73/10/30						70CO	MO		2.230		29.100			
33186	19115	NMP-12	73/11/27						70CO	MO		2.450	8.080	9.490	0.000	0.000	
36194	19115	NMP-12	73/12/27						70CO	MO		2.340	7.850	29.200	0.020		0

CODE	JOB	STATION	DATE	TIME	DEPTH	TC	MP	MSD	TYPE	FREQ	SI	V
8892	19115	NMP-12	73/03/29						70CO	MO		0.030
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
24087	19115	NMP-12	73/08/28						70CO	MO	9	0.000
26886	19115	NMP-12	73/09/25						70CO	MO	3	
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

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
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_3N TKN OP, TP, Cl, SO_4, Na, Mg, Zn, TCOL, FCOL

2- SpC, TH, TUR, COL, NH_3N, ORGN, TDS, TVS, PHL, SETR, Be, Cd, Cr, Cu, Fe, K, Ni, Pb, V

3- pH, SpC, T, TUR, CO_2, FDO, TBOD, TCOD, TS, TSS, NO_3N, TKN, OP, TP, CHLA, Si

4- pH, T, ALK, FDO, TBOD, TCOD, TTOC, TDS, TSS NO_3N, TKN, OP, TP, Cl, Cu, Fe, Mn, Zn, TCOL, FCOL

5- SpC, TH, COL, TUR, TS, TVS, NH_3N, ORGN, PHL SO_4, 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, TTOC, TS, TDS, TVS, TSS, NH_3N, ORGN, TKN, NO_3N

8- OP, TP, PHL, Cl, SO_4, 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 Fiche

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 } 60' " 5000' "
NMPE } 60' is 9000'
OSWP } 100' depth is ~ 11,000' offshore
OSWW }

OSS-1, MONTHLY
SURFACE
ALL YEAR 1973

PARAMETER	NO. OF SETS	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	7	9.2000	7.6000	8.1571	0.3462	0.5884
T	7	76.0000	43.0000	55.8571	199.4805	14.1241
ALK	7	96.0000	83.0000	87.0000	27.6667	5.2599
FDO	6	12.1000	7.6000	9.3133	2.8227	1.6801
ZPOD	7	3.0000	0.0000	1.5714	0.9796	0.9759
ZCOD	6	12.0000	6.0000	7.3333	5.4667	2.3381
TS	7	380.0000	200.0000	291.4286	3580.8571	59.8411
SSS	7	26.0000	1.0000	9.0000	121.3333	11.0151
BOAR	7	0.2800	0.0500	0.1471	0.0071	0.0840
THM	5	0.9200	0.0000	0.3540	0.1222	0.3496
OP	7	0.0500	0.0000	0.0157	0.0004	0.0207
ZP	7	0.0700	0.0100	0.0343	0.0007	0.0254
CL	7	85.0000	27.0000	40.1429	547.1429	23.3911
SO4	6	47.0000	29.0000	36.3333	46.8667	7.0518
NA	4	19.0400	10.5000	15.7400	13.8813	3.6935
MG	4	11.5000	7.8000	9.2550	2.6048	1.6418
ZN	5	0.0160	0.0000	0.0058	0.0001	0.0080
ZCOL	6	3000.0000	0.0000	951.8333	1210640.1867	1100.2900
FCOL	6	83.0000	0.0000	25.6667	911.4667	30.1905

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	ZPOD	ZCOD	TS	SSS	BOAR	THM
PH	1.000									
T	0.914	1.000								
ALK	-0.385	-0.523	1.000							
FDO	-0.357	-0.371	-0.166	1.000						
ZPOD	0.166	0.407	-0.779	-0.091	1.000				---	
ZCOD	0.293	0.513	-0.368	-0.590	0.454	1.000				
TS	-0.590	-0.528	0.503	-0.468	-0.302	0.130	1.000			
SSS	0.293	0.251	0.247	-0.497	-0.018	-0.254	0.330	1.000		
BOAR	-0.923	-0.859	0.411	0.172	-0.343	-0.407	0.707	-0.104	1.000	
THM	-0.293	-0.485	-0.130	0.278	-0.311	-0.400	-0.082	0.251	0.282	1.000
OP	-0.427	-0.396	0.383	-0.178	-0.436	-0.459	0.665	0.424	0.730	-0.102
ZP	-0.541	-0.444	0.336	-0.044	-0.178	-0.506	0.850	0.400	0.751	0.409
CL	-0.405	-0.291	0.369	-0.603	-0.267	-0.247	0.080	0.345	0.500	-0.509
SO4	-0.562	-0.727	0.409	-0.551	-0.145	-0.115	0.523	-0.118	0.390	0.558
NA	-0.566	-0.195	0.575	-0.905	-0.752	-0.769	0.010	0.264	0.405	0.001
MG	0.977	0.830	-0.748	0.430	0.219	0.093	-0.525	0.225	-0.051	-0.243
ZN	0.225	0.550	-0.264	-0.660	-0.736	-0.991	0.577	0.584	-0.347	-0.393
ZCOL	0.229	0.483	-0.150	-0.106	-0.506	-0.223	0.010	0.654	-0.241	-0.110
FCOL	-0.169	-0.365	0.817	-0.400	-0.562	-0.085	0.725	0.626	0.283	-0.035

	OP	ZP	CL	SO4	NA	MG	ZN	ZCOL	FCOL
OP	1.000								
ZP	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	0.952	-0.735	-0.139	-0.951	-0.898	1.000			
ZN	0.136	0.431	0.785	-0.217	0.750	-0.233	1.000		
ZCOL	0.042	0.208	0.125	-0.417	0.400	-0.395	0.805	1.000	
FCOL	0.461	0.407	0.639	0.717	0.905	-0.941	0.853	0.031	1.000

OSS-1, MONTHLY
SURFACE
ALL YEAR 1973

PARAMETER	NO. OF CARD	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	5	370.0000	240.0000	311.0000	2230.0000	47.2229
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
VPSP	5	0.2000	0.0000	0.1000	0.0050	0.0707
OPCP	3	0.2700	0.1000	0.2067	0.0026	0.0929
TDS	7	360.0000	105.0000	272.8571	7532.3809	59.4318
TVS	7	130.0000	85.0000	90.7143	561.9048	23.7065
PPL	7	0.0660	0.0000	0.0171	0.0008	0.0280
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	0.1780	0.0448	0.2119
CU	1	0.2800	0.2800	0.2800	0.0000	0.0000
FF	1	1.0000	1.0000	1.0000	0.0000	0.0000
X	1	1.5200	1.5200	1.5200	0.0000	0.0000
MI	1	0.0200	0.0200	0.0200	0.0000	0.0000
PR	1	0.0000	0.0000	0.0000	0.0000	0.0000
V	3	0.2000	0.0000	0.0867	0.0133	0.1155

CORRELATION MATRIX FOLLOWS:

	SPC	TP	TUP	COL	VPSP	OPCP	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						
VPSP	0.881				1.000					
OPCP	-1.000				-0.408	1.000				
TDS	0.383	1.000	1.000	1.000	0.383	0.843	1.000			
TVS	-0.415	1.000	1.000	1.000	-0.526	0.506	0.528	1.000		
PPL	-0.028	1.000	1.000	1.000	-0.052	0.587	-0.408	-0.371	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	-0.883	1.000	1.000	1.000	-0.997	0.337	0.027	0.546	-0.347	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	
X	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
MI	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

	BT	CD	CP	CU	FF	X	MI	PR	V
BT	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			
MI	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	7	8.5000	6.0000	7.8714	0.2000	0.5187
T	7	73.5000	43.0000	53.5571	105.0130	12.8857
ALK	7	100.0000	80.0000	91.5714	51.6100	7.1847
FEO	6	12.0000	7.0000	9.2000	3.5360	1.8804
TPOP	7	4.0000	1.0000	2.1429	1.4762	1.2150
TCOP	7	40.0000	5.0000	13.4286	150.2857	12.2581
TS	7	450.0000	214.0000	312.8571	7800.4762	87.6954
TSS	7	220.0000	1.0000	37.1429	6551.8095	80.9432
NO3N	7	0.4500	0.0800	0.2186	0.0153	0.1239
TKN	5	1.3500	0.0000	0.7840	0.3765	0.6136
OP	7	0.0500	0.0000	0.0257	0.0004	0.0207
TP	7	0.2200	0.0100	0.0857	0.0052	0.0723
CL	7	25.0000	27.0000	47.4286	402.2857	22.1875
SO4	6	47.0000	31.0000	39.5000	37.1000	6.0910
NA	4	10.0400	9.4000	15.2725	20.4157	4.5194
MG	4	8.6000	8.2000	8.3850	0.0250	0.1674
ZN	5	0.0320	0.0000	0.0170	0.0002	0.0140
TCOL	5	4000.0000	0.0000	1720.4000	4248871.8000	2061.2307
FCOL	6	95.0000	0.0000	19.8667	1407.8667	37.5215

CORRELATION MATRIX FOLLOWS:

	PP	T	ALK	FEO	TPOP	TCOP	TS	TSS	NO3N	TKN
PP	1.000									
T	0.409	1.000								
ALK	-0.466	-0.055	1.000							
FEO	-0.346	-0.427	0.522	1.000						
TPOP	-0.521	0.070	-0.068	-0.185	1.000					
TCOP	-0.076	-0.243	0.282	-0.433	0.051	1.000				
TS	-0.540	0.096	-0.053	-0.256	0.825	0.499	1.000			
TSS	-0.089	0.661	-0.682	-0.300	0.600	0.034	0.725	1.000		
NO3N	-0.460	0.214	-0.214	-0.273	0.021	0.250	0.953	0.851	1.000	
TKN	0.148	0.499	-0.441	-0.311	0.693	-0.105	0.469	0.521	0.526	1.000
OP	-0.743	-0.437	0.613	0.239	-0.293	0.618	0.577	-0.084	0.342	0.024
TP	-0.150	0.721	-0.652	-0.335	0.691	0.023	0.730	0.947	0.814	0.656
CL	-0.506	-0.372	0.449	0.279	0.232	0.826	0.606	0.007	0.350	-0.213
SO4	0.265	-0.076	0.171	0.435	0.054	-0.365	-0.357	-0.296	-0.260	0.666
NA	-0.890	-0.352	0.217	0.752	0.882	0.139	0.798	0.494	0.764	0.198
MG	0.856	0.814	-0.870	-0.732	-0.210	0.214	-0.710	0.498	-0.536	0.492
ZN	-0.431	0.416	-0.388	0.409	0.101	0.230	0.409	0.550	0.300	-0.139
TCOL	0.210	0.826	-0.877	-0.573	-0.057	-0.201	0.000	0.584	0.205	-0.345
FCOL	0.122		-0.238	-0.409	-0.240	-0.057	-0.222	-0.044	-0.164	-0.605

	OP	TP	CL	SO4	NA	MG	ZN	TCOL	FCOL
OP	1.000								
TP	0.075	1.000							
CL	0.850	0.056	1.000						
SO4	-0.175	-0.155	-0.458	1.000					
NA	0.491	0.292	0.304	-0.306	1.000				
MG	-0.737	0.772	0.105	0.174	-0.860	1.000			
ZN	0.045	0.506	0.107	-0.570	0.170	-0.515	1.000		
TCOL	-0.512	0.466	-0.360	-0.768	0.559	1.000	0.801	1.000	
FCOL	-0.450	-0.245	-0.050	-0.702	0.186	0.030	-0.491	0.685	1.000

OSS-1, MONTHLY
BOTTOM
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	5	370.0000	220.0000	301.0000	3780.0000	58.1378
TP	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
NH3N	6	0.2000	0.0000	0.1667	0.0027	0.0516
OPGN	3	1.1500	0.2500	0.7700	0.2172	0.4660
TDS	7	360.0000	210.0000	278.4286	3655.9524	60.4645
TVS	7	125.0000	75.0000	100.0000	388.8887	19.7485
PHL	7	0.1000	0.0000	0.0200	0.0014	0.0374
SETR	5	4.0000	0.0000	0.8000	3.2000	1.7889
BE	1	0.0050	0.0050	0.0050	0.0000	0.0000
CD	1	0.0000	0.0000	0.0000	0.0000	0.0000
CR	5	0.2900	0.0000	0.1140	0.0175	0.1324
CU	1	0.3300	0.3300	0.3300	0.0000	0.0000
FE	1	1.2500	1.2500	1.2500	0.0000	0.0000
K	1	1.6200	1.6200	1.6200	0.0000	0.0000
NI	1	0.0300	0.0300	0.0300	0.0000	0.0000
PB	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	TP	TUP	COL	NH3N	OPGN	TDS	TVS	PHL	SETR
SPC	1.000									
TP	1.000	1.000								
TUP	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
NH3N	0.846				1.000					
OPGN	1.000				0.866	1.000				
TDS	0.465	1.000	1.000	1.000	0.197	-0.708	1.000			
TVS	-0.178	1.000	1.000	1.000	-0.167	-0.285	0.454	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	-0.400	0.207	0.027	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	-0.928	1.000	1.000	1.000	-0.734	-0.992	0.139	0.134	-0.596	-0.647
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	
PB	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	0.092	-0.224	-1.000

	BE	CD	CR	CU	FE	K	NI	PB	V
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		
PB	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PF	7	8.0000	0.0000	0.0457	0.1762	0.6133
T	7	74.0000	40.0000	55.0143	202.3791	14.2478
ALK	7	54.0000	28.0000	38.7143	38.9048	6.2374
FPO	6	12.2000	0.0000	6.8167	1.7737	1.3318
TPOP	7	2.0000	1.0000	1.5714	0.2857	0.5345
TCOD	6	11.0000	5.0000	8.5000	4.3000	2.0736
TS	7	330.0000	210.0000	262.8571	1557.3810	40.7050
TSS	7	19.0000	0.0000	5.1429	45.4762	6.8173
NO3F	7	0.2600	0.0400	0.1514	0.0000	0.0006
TKN	5	0.8600	0.0000	0.2720	0.1272	0.3567
OP	7	0.0400	0.0000	0.0129	0.0003	0.0160
TP	7	0.0600	0.0100	0.0314	0.0003	0.0185
CL	7	70.0000	28.0000	42.1429	299.4762	17.3054
SO4	6	41.0000	27.0000	34.1667	28.5667	5.3448
NA	4	18.7000	0.0000	15.3550	20.5167	4.5295
MG	4	8.8600	7.4000	8.2100	0.5372	0.7329
ZN	5	0.0400	0.0000	0.0136	0.0003	0.0163
TCOL	6	540.0000	0.0000	193.0000	44356.0000	210.6086
FCOL	6	73.0000	0.0000	28.3333	1206.6667	34.7371

CORRELATION MATRIX FOLLOWS:

	PF	T	ALK	FPO	TPOP	TCOD	TS	TSS	NO3F	TKN
PF	1.000									
T	0.630	1.000								
ALK	0.030	-0.742	1.000							
FPO	-0.430	-0.419	0.310	1.000						
TPOP	-0.545	-0.251	-0.043	0.446	1.000					
TCOD	-0.555	-0.390	-0.134	0.029	0.099	1.000				
TS	-0.760	-0.309	-0.311	0.130	0.055	0.944	1.000			
TSS	0.019	-0.062	0.044	-0.574	-0.477	-0.077	-0.260	1.000		
NO3F	-0.661	-0.954	0.594	0.204	0.254	0.361	0.389	0.218	1.000	
TKN	-0.596	-0.835	0.712	0.875	-0.095	0.197	0.359	-0.260	0.960	1.000
OP	-0.608	-0.686	0.309	-0.192	0.381	0.323	0.292	0.575	0.790	0.430
TP	-0.793	-0.656	0.233	0.463	0.741	0.049	0.213	0.273	0.672	0.218
CL	-0.428	0.125	-0.569	-0.187	-0.064	0.797	0.704	-0.153	-0.066	-0.412
SO4	0.332	0.282	-0.147	-0.287	-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
MG	0.797	0.856	-0.956	-0.000	-0.737	-0.045	-0.030	0.920	-0.685	-0.687
ZN	0.992	0.758	-0.556	-0.695	-0.396	-0.027	-0.000	0.162	-0.710	-0.690
TCOL	-0.762	-0.250	-0.320	-0.757	-0.202	0.611	0.730	-0.243	0.236	-0.560
FCOL	-0.547	-0.169	-0.359	-0.027	-0.227	0.860	0.800	-0.361	0.203	-0.459

	OP	TP	CL	SO4	NA	MG	ZN	TCOL	FCOL
OP	1.000								
TP	0.709	1.000							
CL	0.172	-0.058	1.000						
SO4	-0.717	-0.767	0.108	1.000					
NA	0.384	-0.464	0.721	0.679	1.000				
MG	0.173	-0.820	0.557	-0.804	-0.125	1.000			
ZN	-0.341	-0.389	-0.016	-0.007	-0.710	0.804	1.000		
TCOL	0.454	0.517	0.913	-0.383	0.375	0.688	-0.098	1.000	
FCOL	0.254	0.030	0.958	0.207	0.570	0.467	-0.163	0.907	1.000

OSS-2, MONTHLY
SURFACE
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	5	395.0000	230.0000	321.0000	3505.0000	59.2030
ZR	1	140.0000	140.0000	140.0000	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
HPAP	6	0.2000	0.0000	0.0833	0.0057	0.0753
OPGP	3	0.3000	0.0000	0.1500	0.0225	0.1500
ZDS	7	330.0000	210.0000	258.5714	1047.6190	44.1315
ZVS	7	115.0000	50.0000	84.2857	678.5714	26.0494
PPL	7	0.0660	0.0000	0.0154	0.0007	0.0257
SPZP	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	0.0360	0.0021	0.0462
CU	1	0.3600	0.3600	0.3600	0.0000	0.0000
FE	1	0.2100	0.2100	0.2100	0.0000	0.0000
K	1	1.6200	1.6200	1.6200	0.0000	0.0000
NI	1	0.0800	0.0800	0.0800	0.0000	0.0000
PB	1	0.1200	0.1200	0.1200	0.0000	0.0000
V	3	0.3000	0.0000	0.1333	0.0233	0.1528

CORRELATION MATRIX FOLLOWS:

	SPC	ZR	TUP	COL	HPAP	OPGP	ZDS	ZVS	PPL	SPZP
SPC	1.000									
ZR	1.000	1.000								
TUP	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
HPAP	0.974				1.000					
OPGP	-1.000				-0.955	1.000				
ZDS	0.433	1.000	1.000	1.000	0.300	0.721	1.000			
ZVS	-0.420	1.000	1.000	1.000	-0.304	-0.258	-0.399	1.000		
PPL	0.018	1.000	1.000	1.000	-0.459	-0.530	-0.331	-0.992	1.000	
SPZP	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	
CD	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	-0.866	0.395	0.533	-0.377	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	
PB	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	0.087	1.000

	BF	CD	CR	CU	FE	K	NI	PB	V
BF	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		
PB	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 DATA	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	7	8.7000	7.0000	8.0000	0.2800	0.5292
T	7	67.0000	41.0000	50.8857	122.4143	11.1810
ALK	7	106.0000	83.0000	93.5571	60.1429	7.7553
EDO	6	11.7000	7.0000	9.5000	2.4000	1.5492
CDOD	7	3.0000	0.0000	1.4286	0.9524	0.9759
TCOD	6	20.0000	3.0000	8.3333	40.2667	6.3456
CS	7	520.0000	105.0000	272.5714	32500.6190	111.0045
TSS	7	26.0000	0.0000	6.8571	70.1429	8.3700
NO3P	7	0.3000	0.0000	0.1286	0.0190	0.1354
TKP	5	1.4000	0.0000	0.5000	0.3720	0.6265
OP	7	0.0000	0.0000	0.0257	0.0013	0.0356
TP	7	0.3000	0.0000	0.0771	0.0013	0.0359
CL	7	126.0000	26.0000	44.7143	1309.5714	36.1742
SO4	6	46.0000	26.0000	32.3333	53.4667	7.3187
MA	4	12.0000	9.5400	10.3400	10.0250	4.3504
MG	4	9.0000	7.0000	7.0000	0.5550	0.7450
ZN	5	0.0160	0.0000	0.0050	0.0001	0.0092
TCOL	6	1310.0000	0.0000	337.5000	333737.5000	453.4541
FCOL	6	27.0000	0.0000	5.0000	116.8000	10.8074

CORRELATION MATRIX FOLLOWS:

	PP	T	ALK	EDO	CDOD	TCOD	CS	TSS	NO3P	TKP
PP	1.000									
T	0.695	1.000								
ALK	-0.789	-0.540	1.000							
EDO	-0.427	-0.191	0.454	1.000						
CDOD	-0.838	-0.772	0.846	0.238	1.000					
TCOD	-0.904	-0.352	0.859	0.263	0.661	1.000				
CS	-0.835	-0.368	0.804	0.513	0.809	0.850	1.000			
TSS	-0.004	-0.307	0.053	-0.428	0.356	-0.233	-0.005	1.000		
NO3P	-0.866	-0.724	0.808	0.092	0.832	0.830	0.714	0.289	1.000	
TKP	0.661	0.197	0.223	0.053	0.458	-0.752	0.353	0.333	-0.278	1.000
OP	-0.816	-0.373	0.524	0.826	0.591	0.689	0.807	-0.008	0.542	-0.454
TP	-0.684	-0.000	0.301	0.848	0.421	0.671	0.784	-0.201	0.350	-0.459
CL	-0.811	-0.347	0.587	0.408	0.720	0.810	0.874	-0.050	0.716	-0.005
SO4	-0.914	-0.349	0.574	0.722	0.719	0.907	0.832	-0.140	0.754	-0.902
MA	-0.012	-0.087	0.056	-0.017	0.210	-0.154	0.028	0.050	-0.408	0.286
MG	0.789	0.071	-0.690	-0.300	-0.936	-0.354	-0.820	-0.296	-0.435	0.152
ZN	-0.086	0.258	-0.533	-0.801		0.005	-0.105	0.503	0.042	-0.540
TCOL	-0.867	-0.280	0.568	0.831	0.646	0.810	0.832	-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	TP	CL	SO4	MA	MG	ZN	TCOL	FCOL
OP	1.000								
TP	0.955	1.000							
CL	0.760	0.755	1.000						
SO4	0.948	0.919	0.876	1.000					
MA	0.699	0.321	0.837	0.380	1.000				
MG	-0.340	-0.091	-0.424	-0.325	-0.838	1.000			
ZN	-0.302	-0.066	0.755	0.025	0.174	0.072	1.000		
TCOL	0.867	0.838	0.877	0.875	0.582	-0.595	0.000	1.000	
FCOL	-0.403	-0.488	-0.228	-0.300	-0.534	0.218	0.403	-0.127	1.000

OSS-2, MONTHLY
BOTTOM
ALL YEAR 1973

PARAMETER	NO. OF DATA	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	5	400.0000	220.0000	310.0000	11855.0000	108.8807
TP	1	147.0000	147.0000	147.0000	0.0000	0.0000
TWP	1	5.5000	5.5000	5.5000	0.0000	0.0000
COL	1	5.0000	5.0000	5.0000	0.0000	0.0000
TRSM	5	0.2000	0.0000	0.1000	0.0100	0.1000
OPOM	3	1.1000	0.2000	0.5500	0.2325	0.4822
TDS	7	520.0000	195.0000	287.1429	13065.4762	114.3043
TVS	7	175.0000	60.0000	94.2857	1670.2381	40.8695
PPL	7	0.0860	0.0000	0.0129	0.0006	0.0242
SFTR	5	0.0000	0.0000	0.0000	0.0000	0.0000
BF	1	0.0050	0.0050	0.0050	0.0000	0.0000
CD	1	0.0000	0.0000	0.0000	0.0000	0.0000
CP	5	0.2300	0.0000	0.0922	0.0089	0.0941
CH	1	0.3600	0.3600	0.3600	0.0000	0.0000
FF	1	0.2300	0.2300	0.2300	0.0000	0.0000
K	1	1.5800	1.5800	1.5800	0.0000	0.0000
NI	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	0.0833	0.2887

CORRELATION MATRIX FOLLOWS:

	SPC	TP	TWP	COL	TRSM	OPOM	TDS	TVS	PPL	SFTR
SPC	1.000									
TP	1.000	1.000								
TWP	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
TRSM	-0.240				1.000					
OPOM	1.000				-0.350	1.000				
TDS	0.909	1.000	1.000	1.000	-0.058	-0.058	1.000			
TVS	0.832	1.000	1.000	1.000		-0.086	0.978	1.000		
PPL	-0.582	1.000	1.000	1.000	0.396	-0.473	-0.151	-0.087	1.000	
SFTR	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	
CD	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
CP	-0.538	1.000	1.000	1.000	0.058	0.772	-0.887	-0.881	-0.581	1.000
CH	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	
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	-0.924	-0.693	-0.414	1.000

	BF	CD	CP	CH	FF	K	NI	PR	V
BF	1.000								
CD	1.000	1.000							
CP	1.000	1.000	1.000						
CH	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			
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	0.991	1.000	1.000	1.000	1.000	1.000	1.000

OSS-3, MONTHLY
INTAKE - ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	7	8.5000	7.2000	7.9000	0.1600	0.4000
T	7	75.0000	40.5000	59.4714	144.9424	12.0392
ALK	7	94.0000	81.0000	87.7143	20.5714	4.5356
FDO	5	12.7000	9.0000	10.3000	1.6100	1.0000
TPOP	7	4.0000	1.0000	2.4286	0.9796	0.9759
TCOP	6	12.0000	5.0000	9.8333	20.1667	4.4907
TS	7	400.0000	220.0000	284.5714	5505.9796	74.2021
TSS	7	25.0000	6.0000	7.2857	67.2381	8.1000
NO3N	7	0.7800	0.0500	0.2329	0.0191	0.1003
TKN	4	1.1100	0.0500	0.4000	0.1997	0.4469
OP	7	0.0500	0.0000	0.0171	0.0006	0.0229
TP	7	0.0800	0.0000	0.0300	0.0004	0.0204
CL	7	90.0000	27.0000	48.2857	566.0048	23.8008
SO4	6	44.0000	25.0000	32.8333	44.5667	6.6733
NA	3	18.1000	13.5300	15.4133	5.7052	2.3887
MG	3	8.7000	7.1000	7.5767	0.4056	0.6370
ZN	4	0.0170	0.0000	0.0080	0.0001	0.0079
TCOL	6	900.0000	0.0000	425.3333	190731.8667	436.7229
FCOL	6	91.0000	1.0000	32.3333	1249.4667	35.3478

CORRELATION MATRIX FOLLOWS:

	PP	T	ALK	FDO	TPOP	TCOP	TS	TSS	NO3N	TKN
PP	1.000									
T	0.747	1.000								
ALK	-0.202	-0.513	1.000							
FDO	-0.775	-0.688	0.350	1.000						
TPOP	-0.347	-0.315	0.448	0.277	1.000					
TCOP	-0.461	0.144	0.140	-0.387	0.618	1.000				
TS	-0.539	-0.157	0.261	0.109	0.815	0.897	1.000			
TSS	-0.213	-0.122	0.497	0.185	0.732	0.829	0.709	1.000		
NO3N	-0.845	-0.935	0.781	0.957	0.109	-0.494	-0.030	0.003	1.000	
TKN	0.132	-0.755	0.050	-1.000	0.058	-0.783	0.500	0.333	0.371	1.000
OP	-0.746	-0.397	0.248	0.386	0.661	0.822	0.930	0.698	0.135	-0.656
TP	-0.878	-0.548	0.225	0.587	0.698	0.785	0.858	0.552	0.378	-0.803
CL	-0.471	-0.054	0.208	0.017	0.658	0.895	0.949	0.895	-0.166	-0.533
SO4	0.016	-0.112	0.387	-0.410	0.514	0.377	0.497	0.159	-0.308	0.731
NA	0.000	0.856	-0.873	-1.000	0.206	-1.000	0.700	0.957	-0.838	0.087
MG	-0.335	0.669	-0.834	1.000	-0.762	0.974	-0.892	-0.448	-0.762	0.581
ZN	0.030	0.451	-0.435	1.000	-0.058	0.788	-0.567	0.107	-0.495	-0.882
TCOL	-0.736	-0.321	0.387	0.704	0.957	0.871	0.758	0.453	0.084	-0.798
FCOL	-0.372	-0.328	-0.287	0.009	-0.513	-0.055	-0.105	-0.344	0.280	-0.987

	OP	TP	CL	SO4	NA	MG	ZN	TCOL	FCOL
OP	1.000								
TP	0.940	1.000							
CL	0.938	0.782	1.000						
SO4	0.268	0.227	0.368	1.000					
NA	-0.893	-0.731	0.229	-0.615	1.000				
MG	0.894	-0.335	1.000	-1.000	-1.000	1.000			
ZN	0.827	-0.563	0.845	-0.704	-0.127	0.891	1.000		
TCOL	0.923	0.811	0.856	0.280	-0.850	1.000	0.821	1.000	
FCOL	0.067	0.083	-0.089	0.057	-1.000	1.000	0.674	0.305	1.000

OSS-3, MONTHLY
INTAKE
ALL YEAR 1973

VARIATE	NO. OF CASE	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	1	370.0000	370.0000	370.0000	0.0000	0.0000
TP	1	150.0000	150.0000	150.0000	0.0000	0.0000
TVP	1	5.0000	5.0000	5.0000	0.0000	0.0000
COL	1	5.0000	5.0000	5.0000	0.0000	0.0000
NPSH	6	0.2000	0.0000	0.1000	0.0080	0.0894
OPOH	9	0.3500	0.2750	0.3200	0.0032	0.0566
TDS	7	380.0000	210.0000	277.1429	4727.8095	68.7300
TVS	7	140.0000	60.0000	92.8571	832.1429	28.8459
PPL	7	0.0800	0.0000	0.0400	0.0005	0.0224
SFTP	5	0.0000	0.0000	0.0000	0.0000	0.0000
RF	1	0.0050	0.0050	0.0050	0.0000	0.0000
CD	1	0.0000	0.0000	0.0000	0.0000	0.0000
CP	4	0.1000	0.0000	0.0275	0.0024	0.0488
CW	1	0.4200	0.4200	0.4200	0.0000	0.0000
FF	1	0.2000	0.2000	0.2000	0.0000	0.0000
K	1	1.5400	1.5400	1.5400	0.0000	0.0000
PI	1	0.0200	0.0200	0.0200	0.0000	0.0000
PR	1	0.0400	0.0400	0.0400	0.0000	0.0000
Y	2	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	SPC	TP	TVP	COL	NPSH	OPOH	TDS	TVS	PPL	SFTP
SPC	1.000									
TP	1.000	1.000								
TVP	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
NPSH					1.000					
OPOH					-1.000	1.000				
TDS	1.000	1.000	1.000	1.000	0.944	-1.000	1.000			
TVS	1.000	1.000	1.000	1.000	0.777	-1.000	0.900	1.000		
PPL	1.000	1.000	1.000	1.000	-0.089	-1.000	-0.152	-0.297	1.000	
SFTP					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	
CP	1.000	1.000	1.000	1.000	-0.419	-1.000	-0.718	0.150	-0.917	1.000
CW	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	
PI	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	
Y	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

	RF	CD	CP	CW	FF	K	PI	PR	Y
RF	1.000								
CD	1.000	1.000							
CP	1.000	1.000	1.000						
CW	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			
PI	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.0000	7.3000	7.9125	0.1727	0.4155
T	8	82.4000	44.6000	62.4500	185.6286	13.6248
ALK	8	96.0000	81.0000	87.7500	25.0714	5.0071
TPO	8	12.0000	7.0000	9.7125	3.0696	1.0871
TPOD	8	3.0000	1.0000	2.0000	0.5714	0.7559
TPOD	7	17.0000	3.0000	9.7143	20.9048	4.5722
TC	8	380.0000	220.0000	278.2500	3698.2143	60.8004
TOS	8	28.0000	0.0000	6.7500	77.9286	8.8277
NO3N	8	0.3700	0.0400	0.2200	0.0001	0.0052
TKN	5	1.4100	0.0000	0.5520	0.3218	0.5672
OP	8	0.0500	0.0000	0.0113	0.0004	0.0190
TP	8	0.0800	0.0000	0.0250	0.0004	0.0200
CL	8	90.0000	29.0000	46.6250	597.4107	22.5259
SO4	7	46.0000	24.0000	33.1429	54.8095	8.0504
HA	3	18.8000	11.7200	16.4700	16.0330	4.1130
MG	4	9.4000	7.1300	8.0775	1.0027	1.0113
ZN	5	0.0210	0.0000	0.0078	0.0001	0.0085
TCOL	7	980.0000	0.0000	357.4288	162871.2857	403.5791
FCOL	7	125.0000	0.0000	37.7143	2050.5714	45.2825

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	TPO	TPOD	TCOD	TC	TOS	NO3N	TKN
PH	1.000									
T	0.515	1.000								
ALK	0.153	-0.351	1.000							
TPO	-0.450	-0.936	0.224	1.000						
TPOD	-0.546	-0.114	-0.151	0.305	1.000					
TCOD	0.025	-0.778	0.420	0.721	0.313	1.000				
TC	-0.411	-0.190	0.044	0.037	0.344	-0.179	1.000			
TOS	0.119	-0.240	0.570	0.378	-0.047	0.157	0.697	1.000		
NO3N	-0.206	-0.846	0.081	0.909	0.139	0.778	0.009	0.182	1.000	
TKN	0.436	-0.280	-0.022	-0.209	-0.241	0.094	0.191	0.289	0.636	1.000
OP	-0.695	-0.552	-0.217	0.469	0.502	0.140	0.087	0.422	0.477	0.000
TP	-0.335	-0.094	-0.414	0.150	0.587	0.028	0.796	0.380	0.293	0.144
CL	-0.273	-0.341	0.200	0.195	0.235	0.087	0.913	0.783	0.207	-0.129
SO4	-0.052	0.017	-0.150	-0.197	0.654	0.028	0.840	0.663	0.046	-0.120
HA	0.620	0.508	-0.601	-1.000	0.400	-1.000	0.986	0.941	0.509	0.869
MG	-0.540	0.848	-0.691	-1.000	0.058	0.587	0.461	0.322	-0.800	-0.837
ZN	-0.148	-0.316	0.570	0.728	0.670	0.953	-0.710	-0.812	0.167	-0.193
TCOL	-0.435	-0.415	0.337	0.179	0.377	0.178	0.817	0.633	0.241	-0.516
FCOL	0.098	-0.470	0.475	0.480	-0.000	0.411	0.810	0.925	0.517	0.809

	OP	TP	CL	SO4	HA	MG	ZN	TCOL	FCOL
OP	1.000								
TP	0.815	1.000							
CL	0.815	0.698	1.000						
SO4	0.615	0.707	0.918	1.000					
HA	1.000	0.815	-0.509	0.085	1.000				
MG	1.000	0.444	0.012	0.418	-1.000	1.000			
ZN	1.000	-0.149	0.149	0.777	-0.504	0.335	1.000		
TCOL	0.778	0.511	0.952	0.824	-0.995	0.002	0.707	1.000	
FCOL	0.522	0.472	0.731	0.559	1.000	-0.998	-0.087	0.527	1.000

OSS-4, MONTHLY DISCHARGE ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	1	360.0000	360.0000	360.0000	0.0000	0.0000
TP	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
MP3M	6	0.2000	0.0000	0.0667	0.0067	0.0816
OPGM	3	0.4500	0.0000	0.1500	0.0075	0.0866
TDS	8	380.0000	210.0000	270.6250	3060.2679	55.3197
TVS	8	135.0000	50.0000	89.3750	845.9821	29.0859
PPL	8	0.1000	0.0000	0.0375	0.0016	0.0398
SETR	6	0.0000	0.0000	0.0000	0.0000	0.0000
BF	1	0.0030	0.0030	0.0030	0.0000	0.0000
CD	1	0.0000	0.0000	0.0000	0.0000	0.0000
CP	5	0.1800	0.0000	0.0636	0.0021	0.0457
CU	1	0.3300	0.3300	0.3300	0.0000	0.0000
FE	1	0.4000	0.4000	0.4000	0.0000	0.0000
K	1	1.8200	1.8200	1.8200	0.0000	0.0000
MI	1	0.0000	0.0000	0.0000	0.0000	0.0000
PB	1	0.0000	0.0000	0.0000	0.0000	0.0000
V	1	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	SPC	TP	TUP	COL	MP3M	OPGM	TDS	TVS	PPL	SETR
SPC	1.000									
TP	1.000	1.000								
TUP	1.000	1.000	1.000							
COL	1.000	1.000	1.000	1.000						
MP3M					1.000					
OPGM					0.589	1.000				
TDS	1.000	1.000	1.000	1.000	0.427	-0.691	1.000			
TVS	1.000	1.000	1.000	1.000	0.029	-0.936	0.890	1.000		
PPL	1.000	1.000	1.000	1.000	0.569	0.954	-0.729	-0.402	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	-0.887	-0.593	0.300	-0.450	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	
MI	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
PB	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	CD	CP	CU	FE	K	MI	PB	V
BF	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			
MI	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
PB	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
ALL DEPTHS
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	14	8.7000	7.8000	8.0143	0.2136	0.4622
T	14	76.0000	41.5000	54.7571	185.3498	13.6110
ALK	14	100.0000	80.0000	89.2857	42.2198	6.4977
PDO	12	12.2000	7.6000	9.2917	2.8952	1.7015
TBOD	14	4.0000	0.0000	1.8571	1.2098	1.0995
TCOD	13	40.0000	5.0000	19.6154	87.7564	9.3678
TS	14	450.0000	200.0000	297.1429	5468.1319	73.9468
TSS	14	229.0000	1.0000	73.0714	3293.3494	57.3660
NO3N	14	0.8500	0.0500	0.1929	0.0117	0.1082
TKN	10	1.3500	0.0900	0.5740	0.2707	0.5203
OP	14	0.0500	0.0000	0.0157	0.0004	0.0199
TP	14	0.2200	0.0100	0.0500	0.0030	0.0548
CL	14	85.0000	27.0000	48.2857	480.5275	21.9208
SO4	12	67.0000	28.0000	37.0167	42.2652	6.5012
NA	8	19.0000	9.4000	15.5063	14.6595	3.8296
MG	8	11.0000	7.8000	8.8200	1.3832	1.1761
ZN	10	0.0320	0.0000	0.0119	0.0001	0.0120
TCOL	11	4000.0000	0.0000	1305.2727	2458882.4182	1571.5223
FCOL	12	95.0000	0.0000	23.1667	1067.8061	32.6742

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	PDO	TBOD	TCOD	TS	TSS	NO3N	TKN
PH	1.000									
T	0.617	1.000								
ALK	-0.514	-0.732	1.000							
PDO	0.313	-0.391	0.352	1.000						
TBOD	-0.329	0.188	-0.198	-0.150	1.000					
TCOD	-0.116	-0.108	0.278	-0.391	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	-0.338	0.586	0.117	0.649	1.000		
NO3N	-0.655	-0.277	0.113	-0.122	0.501	0.253	0.878	0.714	1.000	
TKN	-0.203	0.064	-0.185	-0.192	0.571	-0.232	0.408	0.527	0.577	1.000
OP	-0.570	-0.413	0.474	0.043	-0.030	0.345	0.587	-0.008	0.480	-0.019
TP	-0.298	0.304	-0.270	0.288	0.511	0.001	0.710	0.911	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	-0.445	0.193	-0.041	0.007	-0.154	0.070	-0.118	0.131	0.633
NA	-0.605	-0.268	0.184	-0.709	0.798	0.329	0.609	0.351	0.515	0.079
MG	0.823	0.660	-0.642	-0.306	-0.161	0.074	-0.398	0.193	-0.617	-0.206
ZN	-0.300	0.339	-0.172	-0.009	0.278	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	0.198	-0.015
FCOL	0.052	-0.155	0.121	-0.440	-0.377	-0.101	0.096	-0.013	-0.041	-0.408

	OP	TP	CL	SO4	NA	MG	ZN	TCOL	FCOL
OP	1.000								
TP	0.261	1.000							
CL	-0.774	-0.172	1.000						
SO4	-0.129	-0.004	-0.093	1.000					
NA	-0.009	0.197	-0.537	-0.169	1.000				
MG	0.567	-0.224	0.037	-0.669	-0.458	1.000			
ZN	0.562	0.558	-0.283	-0.300	0.345	-0.300	1.000		
TCOL	-0.272	0.475	-0.194	-0.407	0.197	-0.348	0.823	1.000	
FCOL	-0.043	-0.122	0.265	-0.129	0.229	-0.313	-0.007	0.447	1.000

OSS-1 MONTHLY
ALL DEPTHS
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	10	370.0000	222.0000	306.0000	2521.1111	50.2107
TP	2	152.0000	150.0000	151.0000	2.0000	1.4142
TUR	2	4.4000	4.1000	4.2500	0.0450	0.2121
COL	2	5.0000	5.0000	5.0000	0.0000	0.0000
NH3N	11	0.2000	0.0000	0.1364	0.0065	0.0809
ORGN	6	1.1500	0.1000	0.4833	0.1955	0.4307
TDS	14	350.0000	195.0000	274.6429	3321.0165	57.6283
TVS	14	130.0000	75.0000	95.3571	451.7957	21.2553
PHL	14	0.1000	0.0000	0.0357	0.0000	0.0305
SETR	10	4.0000	0.0000	0.4000	1.6000	1.2649
BE	2	0.0170	0.0050	0.0110	0.0001	0.0085
CD	2	0.0000	0.0000	0.0000	0.0000	0.0000
CR	10	0.5000	0.0000	0.1210	0.0278	0.1668
CU	2	0.3300	0.2800	0.3050	0.0013	0.0354
FE	2	1.2500	1.0000	1.1250	0.0313	0.1768
K	2	1.6200	1.6200	1.6200	0.0000	0.0000
NI	2	0.0300	0.0200	0.0250	0.0001	0.0071
PB	2	0.0850	0.0000	0.0425	0.0036	0.0601
V	6	0.2000	0.0000	0.0500	0.0070	0.0837

CORRELATION MATRIX FOLLOWS:

	SPC	TP	TUR	COL	NH3N	ORGN	TDS	TVS	PHL	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						
NH3N	0.837				1.000					
ORGN	0.333				0.810	1.000				
TDS	0.424	-1.000	-1.000	1.000	0.279	0.004	1.000			
TVS	-0.297	-1.000	-1.000	1.000	-0.049	0.424	-0.480	1.000		
PHL	0.065	1.000	1.000	1.000	0.191	0.723	-0.467	-0.042	1.000	
SETR	1.000				0.250	0.720	-0.289	0.207	0.785	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	-0.332	1.000	1.000	1.000	-0.681	-0.403	0.057	0.427	-0.426	-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	
NI	1.000	-1.000	-1.000	1.000			1.000	1.000	1.000	
PB	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	-0.382	-0.522

	BE	CD	CR	CU	FE	K	NI	PB	V
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		
PB	-1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
V	1.000	1.000	0.850	1.000	1.000	1.000	1.000	1.000	1.000

OSS-2, MONTHLY
ALL DEPTHS
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	14	8.0000	6.9000	8.0214	0.3034	0.5508
T	14	74.0000	40.0000	52.7500	150.9027	12.5261
ALK	14	105.0000	70.0000	90.2857	58.4505	7.7104
FDO	12	12.2000	7.8000	9.6583	1.9245	1.3873
TROD	14	3.0000	0.0000	1.5000	0.5769	0.7596
TCOD	12	20.0000	3.0000	8.4167	20.2652	4.5017
TS	14	520.0000	195.0000	288.2143	6575.4121	81.0889
TSS	14	20.0000	0.0000	6.5000	57.6538	7.5930
PO3H	14	0.3000	0.0000	0.1500	0.0132	0.1149
TKP	10	1.1600	0.0000	0.4340	0.2126	0.4611
OP	14	0.0900	0.0000	0.0193	0.0007	0.0273
TP	14	0.1000	0.0000	0.0343	0.0008	0.0277
CL	14	120.0000	26.0000	43.4286	743.9560	27.2756
SO4	12	48.0000	25.0000	33.2500	42.7500	6.5383
NA	8	18.7000	9.0000	14.3475	18.8540	4.3502
MG	6	9.0000	7.2000	8.1000	0.4824	0.6946
ZN	10	0.0400	0.0000	0.0090	0.0002	0.0128
TCOL	12	1310.0000	0.0000	280.2500	132916.2045	364.5767
FCOL	12	73.0000	0.0000	15.6667	725.6970	26.9388

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TROD	TCOD	TS	TSS	PO3H	TKP
PH	1.000									
T	0.651	1.000								
ALK	-0.355	-0.753	1.000							
FDO	-0.415	-0.269	0.287	1.000						
TROD	-0.671	-0.483	0.447	0.308	1.000					
TCOD	-0.678	-0.295	0.171	0.199	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	-0.481	0.390	-0.195	-0.070	1.000		
PO3H	-0.761	-0.795	0.691	0.117	0.857	0.678	0.691	0.268	1.000	
TKP	0.103	-0.326	0.495	0.501	-0.129	-0.500	0.139	-0.002	0.160	1.000
OP	-0.864	-0.457	0.502	0.449	0.591	0.610	0.725	0.093	0.569	-0.169
TP	-0.673	-0.336	0.227	0.555	0.475	0.575	0.573	-0.353	0.441	-0.229
CL	-0.619	-0.102	0.250	0.220	0.550	0.894	0.943	-0.097	0.508	-0.330
SO4	-0.347	-0.026	0.209	0.459	0.302	0.925	0.748	-0.271	0.392	-0.411
NA	-0.308	-0.092	-0.180	0.038	0.570	0.446	0.891	0.648	-0.135	0.029
MG	0.799	0.908	-0.873	-0.692	-0.773	-0.151	-0.305	0.179	-0.549	-0.223
ZN	0.576	0.624	-0.566	-0.538	-0.090	0.035	-0.262	0.264	-0.385	0.598
TCOL	-0.737	-0.270	0.393	0.735	0.559	0.862	0.800	-0.140	0.610	-0.529
FCOL	-0.355	-0.059	-0.374	-0.077	-0.030	0.248	0.142	-0.242	0.092	-0.444

	OP	TP	CL	SO4	NA	MG	ZN	TCOL	FCOL
OP	1.000								
TP	0.901	1.000							
CL	0.647	0.594	1.000						
SO4	0.571	0.449	0.741	1.000					
NA	0.557	0.116	0.691	0.469	1.000				
MG	-0.254	-0.291	0.377	-0.106	-0.339	1.000			
ZN	-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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	10	490.0000	220.0000	320.0000	6927.7778	82.6304
TP	2	148.0000	147.0000	147.5000	0.5000	0.7071
TUR	2	5.5000	4.1000	4.8000	0.9800	0.9899
COL	2	5.0000	5.0000	5.0000	0.0000	0.0000
NP3N	11	0.2000	0.0000	0.0909	0.0069	0.0831
ORGN	6	1.1000	0.0000	0.3500	0.1500	0.3873
TDS	14	520.0000	195.0000	262.8571	6946.9011	83.3001
TVS	14	175.0000	50.0000	74.2857	1084.0659	32.9252
PPL	14	0.0660	0.0000	0.0140	0.0006	0.0240
SETR	10	0.0000	0.0000	0.0000	0.0000	0.0000
BE	2	0.0190	0.0050	0.0120	0.0001	0.0099
CD	2	0.0000	0.0000	0.0000	0.0000	0.0000
CR	10	0.2300	0.0000	0.0841	0.0058	0.0759
CU	2	0.3600	0.3200	0.3400	0.0000	0.0000
FE	2	0.2300	0.2100	0.2200	0.0002	0.0141
K	2	1.6200	1.5800	1.6000	0.0008	0.0283
NI	2	0.1300	0.0800	0.1050	0.0013	0.0354
PB	2	0.1200	0.0800	0.0800	0.0072	0.0849
V	6	0.5000	0.0000	0.1500	0.0430	0.2074

CORRELATION MATRIX FOLLOWS:

	SPC	TP	TUR	COL	NP3N	ORGN	TDS	TVS	PPL	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	0.497				1.000					
ORGN	0.187				-0.218	1.000				
TDS	0.819	1.000	-1.000	1.000	0.096	-0.555	1.000			
TVS	0.616	1.000	-1.000	1.000	0.130	-0.529	0.844	1.000		
PPL	-0.192	1.000	-1.000	1.000	-0.022	-0.307	-0.197	-0.160	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	-0.291	1.000	1.000	1.000	0.359	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	
PB	1.000	1.000	1.000	1.000			1.000	1.000	1.000	
V	-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	PB	V
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		
PB	1.000	1.000	1.000	1.000	-1.000	1.000	-1.000	1.000	
V	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	MAX	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	169.8076	13.0310
ALK	44	105.0000	78.0000	88.9318	39.6464	6.2965
FDO	36	12.8000	7.6000	9.5639	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	11.8182	1096.3868	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	0.0900	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	19.0400	9.0000	14.9557	14.4078	3.7958
MG	24	11.6000	7.1000	8.2750	0.9211	0.9597
ZN	36	0.0500	0.0000	0.0112	0.0032	0.0180
TCOL	37	4000.0000	0.0000	611.3784	994386.4640	997.1893
FCOL	38	125.0000	0.0000	24.3158	1122.6543	33.5060

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TS	TSS	NO3N	TKN
PH	1.000									
T	0.536	1.000								
ALK	-0.281	-0.638	1.000							
FDO	-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	0.599	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	0.439	-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	0.097	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	-0.603	-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	-0.095	-0.172	0.308	0.169	0.380	0.596	0.214	-0.044
FCOL	-0.130	-0.209	-0.018	0.012	-0.150	0.086	0.169	0.021	0.238	-0.336

	OP	TP	CL	SO4	NA	MG	ZN	TCOL	FCOL
	OP	TP	CL	SO4	NA	MG	ZN	TCOL	FCOL
OP	1.000								
TP	0.529	1.000							
CL	0.734	0.387	1.000						
SO4	0.318	0.276	0.499	1.000					
NA	0.175	0.165	0.544	0.253	1.000				
MG	-0.025	-0.079	0.161	-0.157	-0.312	1.000			
ZN	-0.071	0.234	0.136	-0.180	-0.257	0.044	1.000		
TCOL	0.142	0.566	0.259	0.069	0.155	0.002	0.281	1.000	
FCOL	0.047	-0.042	0.327	0.181	0.243	-0.041	-0.016	0.273	1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	22	490.0000	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	0.8057	0.8976
COL	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	195.0000	270.9091	4302.6427	65.5965
TVS	44	175.0000	50.0000	90.0000	741.8605	27.2371
PHL	44	8.1000	0.0000	0.0149	0.0008	0.0275
SETR	32	4.0000	0.0000	0.1250	0.5000	0.7071
BE	6	0.0190	0.0030	0.0090	0.0000	0.0070
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	1.6000	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	COL	NH3N	ORGN	TDS	TVS	PHL	SETR
SPC	1.000									
TH	-0.304	1.000								
TUR	-0.716	0.536	1.000							
COL	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	-0.895	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			0.736	0.657	0.586	
V	-0.782	1.000	1.000	1.000	-0.605	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	13	8.0000	7.0000	8.3308	0.1056	0.3250
SPC	12	490.0000	220.0000	301.6667	7339.6970	84.3783
T	13	80.0000	42.0000	60.0308	188.7573	13.0007
TUP	13	22.0000	0.0000	4.3846	35.0897	5.9237
CO2	12	1.0000	0.0000	0.3333	0.1970	0.4438
FDO	13	12.1000	7.2000	9.7462	2.3260	1.5251
TDOP	13	4.0000	0.0000	1.8462	1.3419	1.0682
TCOP	13	27.0000	0.0000	12.8462	79.3077	8.9055
TS	13	350.0000	190.0000	241.2308	2361.5256	48.5955
TSS	13	12.0000	0.0000	3.7692	11.6923	3.4194
NO3N	13	0.3200	0.0100	0.1185	0.0095	0.0974
TKN	10	0.6500	0.0500	0.3000	0.0282	0.1679
OP	13	0.0300	0.0000	0.0054	0.0001	0.0097
TP	13	0.2700	0.0100	0.0585	0.0044	0.0662
CPLA	13	15.0000	0.5000	4.0846	15.8707	3.9840
ST	7	0.0000	0.0000	0.0571	5.3429	2.3479

CORRELATION MATRIX FOLLOWS:

	PP	SPC	T	TUP	CO2	FDO	TDOP	TCOP	TS	TSS
PP	1.000									
SPC	0.506	1.000								
T	0.736	0.604	1.000							
TUP	0.585	0.520	0.197	1.000						
CO2	-0.556	-0.657	-0.749	-0.233	1.000					
FDO	-0.499	-0.017	-0.499	0.348	0.307	1.000				
TDOP	-0.225	0.042	-0.162	0.274	0.097	0.690	1.000			
TCOP	-0.116	0.114	-0.034	-0.338	-0.009	0.009	0.164	1.000		
TS	0.265	0.953	0.375	0.691	-0.396	0.259	0.180	-0.054	1.000	
TSS	-0.016	0.372	-0.099	0.252	0.182	0.164	-0.298	-0.701	0.511	1.000
NO3N	-0.746	-0.451	-0.838	-0.194	0.674	0.549	0.088	-0.045	-0.136	0.387
TKN	-0.155	0.654	0.206	0.318	-0.880	0.503	0.355	0.228	0.578	0.002
OP	-0.322	-0.303	-0.365	-0.272	0.034	0.140	0.006	0.234	-0.204	0.016
TP	0.332	0.237	-0.072	0.877	0.498	0.402	0.385	-0.116	0.345	0.079
CPLA	0.567	0.474	0.330	0.766	-0.258	0.270	0.477	0.041	0.440	-0.195
ST	0.332	0.170	0.692	-0.215	-0.200	-0.132	0.344	0.452	-0.192	0.063

	NO3N	TKN	OP	TP	CPLA	ST
NO3N	1.000					
TKN	-0.164	1.000				
OP	0.142	-0.369	1.000			

	NO3N	TKN	OP	TP	CPLA	ST
TP	0.037	0.193	-0.064	1.000		
CPLA	-0.322	0.242	-0.225	0.752	1.000	
ST	-0.481	-0.041	-0.187	-0.191	-0.034	1.000

NMP-1 BIMONTHLY
BOTTOM
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	12	8.0000	7.0000	8.2583	0.0845	0.2906
SPC	13	360.0000	210.0000	283.8462	3037.3077	54.9300
T	14	78.0000	41.0000	57.9214	170.7972	13.0689
TUP	13	15.0000	0.0000	4.7692	13.3590	3.6550
CO2	12	2.0000	0.0000	0.5667	0.6061	0.7785
FDO	14	12.3000	7.0000	9.7500	3.2642	1.8067
TFOD	13	3.0000	1.0000	1.6923	0.7308	0.8549
TCOD	13	21.0000	3.0000	11.0000	36.8333	6.0680
TS	13	366.0000	190.0000	233.3077	2548.8974	50.4668
TSS	13	46.0000	1.0000	7.7692	142.3590	11.9314
NO3N	13	0.3000	0.0000	0.1177	0.0138	0.1175
TKN	10	0.9700	0.0000	0.4300	0.1060	0.3256
OP	13	0.0400	0.0000	0.0100	0.0001	0.0109
TP	13	0.4300	0.0100	0.0592	0.0116	0.1078
CPLA	13	14.0000	0.0000	5.3538	21.3704	4.6239
SI	8	3.0000	0.0000	0.8750	1.8393	1.3562

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUP	CO2	FDO	TFOD	TCOD	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	-0.760	-0.793	-0.181	1.000					
FDO	-0.235	-0.425	-0.734	0.186	0.601	1.000				
TFOD	-0.479	-0.325	-0.855	0.340	0.732	0.738	1.000			
TCOD	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	0.298	0.458	-0.073	1.000	
TSS	-0.231	0.509	0.106	0.834	-0.066	0.201	0.456	-0.112	0.850	1.000
NO3N	-0.699	-0.457	-0.798	0.180	0.899	0.784	0.813	-0.219	0.341	0.387
TKN	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	-0.238	0.854	0.176	0.335	0.632	0.038	0.693	0.847
TP	0.682	0.211	0.104	0.310	-0.152	0.437	0.160	-0.166	0.254	0.034
CPLA	0.184	0.726	0.576	0.480	-0.344	-0.310	-0.177	0.305	0.187	0.408
SI	-0.320	0.089	-0.010	0.814	-0.100	0.048	0.348	-0.224	0.433	0.566

	NO3N	TKN	OP	TP	CPLA	SI
NO3N	1.000					
TKN	0.498	1.000				
OP	0.578	0.413	1.000			

	NO3N	TKN	OP	TP	CPLA	SI
TP	-0.056	0.522	-0.136	1.000		
CPLA	-0.323	0.079	0.174	0.142	1.000	
SI	0.461	0.371	0.402	-0.217	-0.102	1.000

NMP-2 BIMONTHLY
SURFACE
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	13	9.0000	8.0000	8.3692	0.1073	0.3276
SPC	13	370.0000	220.0000	277.0231	2000.2487	45.7192
T	14	80.6000	44.2000	60.5357	153.1132	12.3780
TUP	14	5.0000	0.0000	2.8571	4.1319	2.0327
CO2	13	1.0000	0.0000	0.3077	0.2301	0.4340
FDO	14	12.5000	7.5000	9.8286	2.2837	1.5112
TPOP	14	4.0000	1.0000	2.0000	0.9231	0.9608
TCOP	14	30.0000	3.0000	14.5000	59.8077	7.7335
TS	14	275.0000	170.0000	221.0000	571.0769	23.8972
TSS	14	6.0000	0.0000	2.2857	3.6044	1.8985
NO3N	14	0.3300	0.0000	0.0914	0.0127	0.1127
TKN	11	1.0400	0.1000	0.4827	0.0896	0.2992
OP	14	0.0200	0.0000	0.0057	0.0000	0.0065
TP	14	0.1200	0.0000	0.0364	0.0011	0.0334
CHLA	14	12.7000	0.6000	4.6929	13.9302	3.7335
SI	9	2.0000	0.0000	0.5000	0.8571	0.9258

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUP	CO2	FDO	TPOP	TCOP	TS	TSS
PH	1.000									
SPC	0.622	1.000								
T	0.613	0.930	1.000							
TUP	0.330	0.486	0.565	1.000						
CO2	-0.617	-0.813	-0.934	-0.406	1.000					
FDO	-0.183	-0.450	-0.511	-0.044	0.482	1.000				
TPOP	-0.432	-0.340	-0.317		0.363	0.725	1.000			
TCOP	-0.183	0.137	0.051	-0.084	0.003	-0.192	-0.104	1.000		
TS	0.550	0.410	0.345	0.445	-0.592	0.377	0.131	-0.323	1.000	
TSS	-0.232	0.101	-0.030	0.350	0.194	-0.118	-0.127	-0.330	0.110	1.000
NO3N	-0.574	-0.767	-0.850	-0.563	0.925	0.378	0.433	-0.097	-0.452	0.124
TKN	0.046	-0.212	-0.063	0.473	-0.061	0.569	0.527	0.000	0.373	-0.371
OP	-0.569	-0.636	-0.656	-0.469	0.801	-0.105	0.124	0.046	-0.727	-0.018
TP	0.148	-0.230	-0.136	0.396	0.079	0.284	0.359	-0.329	0.379	-0.128
CHLA	0.326	0.843	0.774	0.438	-0.591	-0.189	0.040	0.072	0.358	0.120
SI	-0.118	-0.082	0.058	0.057	-1.000	-0.420	-0.527	-0.500	-0.323	0.460

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	-0.151	1.000				
OP	0.717	-0.227	1.000			

	NO3N	TKN	OP	TP	CHLA	SI
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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	12	8.0000	8.0000	8.2583	0.0083	0.2575
SPC	13	310.0000	200.0000	243.8462	1006.4744	31.1131
T	14	71.6000	41.5000	51.7929	172.6192	13.6122
TUR	13	52.0000	0.0000	10.3846	291.0231	17.0622
CO2	12	2.5000	0.0000	0.7417	0.5645	0.7513
FDO	14	13.0000	5.0000	9.7357	2.9739	1.7243
TPOP	13	3.0000	1.0000	1.5385	0.2692	0.5189
TCOP	13	65.0000	2.0000	13.8923	284.0641	16.8542
TS	13	420.0000	202.0000	238.6154	3284.9231	58.1291
TSS	13	260.0000	0.0000	26.3077	4091.0641	70.5787
NO3N	13	0.3300	0.0000	0.1708	0.0152	0.1233
TKN	11	1.1200	0.0000	0.4000	0.1099	0.3315
OP	13	0.0700	0.0000	0.0131	0.0003	0.0184
TP	13	0.1600	0.0100	0.0554	0.0019	0.0441
CHLA	13	25.0000	0.0000	4.4308	50.6840	7.1200
ST	8	6.0000	0.0000	0.7500	4.5000	2.1213

CORRELATION MATRIX FOLLOWS:

	PP	SPC	T	TUR	CO2	FDO	TPOP	TCOP	TS	TSS
PP	1.000									
SPC	0.296	1.000								
T	0.584	0.878	1.000							
TUR	0.474	0.005	-0.053	1.000						
CO2	-0.238	-0.825	-0.750	0.224	1.000					
FDO	0.196	-0.452	-0.587	0.489	-0.502	1.000				
TPOP	-0.169	0.127	-0.170	0.398	-0.127	0.561	1.000			
TCOP	-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	0.269	0.255	0.441	0.873	1.000	
TSS	-0.067	0.001	-0.216	0.896	0.285	0.180	0.305	0.919	0.956	1.000
NO3N	-0.638	-0.710	-0.879	-0.001	0.578	0.540	0.306	-0.129	0.139	0.122
TKN	0.341	-0.555	-0.574	0.671	0.633	0.817	0.287	-0.335	0.305	-0.119
OP	-0.171	-0.055	-0.275	0.548	0.315	0.004	0.078	0.880	0.806	0.913
TP	0.760	0.418	0.459	0.388	-0.211	0.268	0.008	0.092	0.191	0.127
CHLA	-0.040	-0.033	0.016	0.050	0.002	0.271	0.453	-0.174	0.097	-0.084
ST	-0.187	-0.353	-0.226	-0.106	0.112	-0.214	-0.203	-0.214	0.017	-0.321

	NO3N	TKN	OP	TP	CHLA	ST
NO3N	1.000					
TKN	0.527	1.000				
OP	0.105	-0.468	1.000			
TP	-0.366	0.030	-0.043	1.000		
CHLA	0.175	0.445	-0.308	-0.050	1.000	
ST	0.157	-0.048	0.143	-0.200	-0.200	1.000

NMP-3, BIMONTHLY
SURFACE
ALL YEAR 1973

PARAMETER	NO. OF SAMP.	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	13	8.0000	7.8000	8.3077	0.1124	0.3353
SPC	13	370.0000	220.0000	293.0769	3793.9103	61.5947
T	14	86.0000	42.0000	63.2286	201.3391	14.1845
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	9.8643	2.0200	1.4216
TPOD	14	3.0000	1.0000	1.9286	0.6858	0.8287
TCOD	13	55.0000	1.0000	14.0000	211.3333	14.5373
TS	14	341.0000	200.0000	235.1429	1536.1319	39.1168
TSS	14	11.0000	1.0000	4.0714	8.9945	2.9991
PO3P	14	0.3300	0.0000	0.1000	0.0130	0.1142
TPP	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	7.2884
SI	8	5.0000	0.0000	0.7500	3.0714	1.7525

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TPOD	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	-0.341	0.002	-0.536	-0.220	0.487	1.000				
TPOD	-0.084	0.256	-0.088	0.450	-0.025	0.420	1.000			
TCOD	0.088	-0.018	0.239	-0.105	-0.326	-0.389	-0.288	1.000		
TS	-0.053	0.424	-0.025	0.587	-0.166	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
PO3P	-0.664	-0.854	-0.869	-0.205	0.820	0.530	0.139	-0.445	-0.099	0.357
TPP	0.413	0.342	0.034	-0.095	-0.241	0.160	0.240	-0.023	-0.092	-0.009
OP	-0.514	-0.386	-0.485	-0.174	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	0.297	-0.157	-0.233	0.123
CPLA	-0.023	0.580	0.190	0.425	-0.340	0.533	0.356	-0.186	0.831	-0.245
SI	-0.170	0.254	0.583	0.409	1.000	-0.416	0.302	0.017	-0.268	-0.138

	PO3P	TPP	OP	TP	CPLA	SI
PO3P	1.000					
TPP	-0.207	1.000				
OP	0.404	-0.396	1.000			

	PO3P	TPP	OP	TP	CPLA	SI
TP	0.321	0.069	0.275	1.000		
CPLA	-0.163	-0.010	-0.370	-0.011	1.000	
SI	-0.481	0.221	0.247	-0.187	0.352	1.000

NMP-3, BIMONTHLY
BOTTOM
ABL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	13	8.0000	7.7000	8.1846	0.1014	0.3184
SPC	13	370.0000	210.0000	290.7692	2929.5385	54.1150
T	14	78.0000	42.0000	58.5571	170.2349	13.0474
TUR	14	27.0000	0.0000	6.0714	58.9945	7.6808
CO2	12	2.0000	0.0000	0.5000	0.5455	0.7385
DO	14	13.2000	7.4000	9.8071	3.0438	1.7446
TDOD	14	3.0000	1.0000	1.6429	0.5549	0.7449
TCOD	14	45.0000	0.0000	13.5714	151.4945	12.3089
TS	14	390.0000	206.0000	252.5714	2240.4945	47.4288
TSS	14	120.0000	1.0000	19.4286	1214.4176	34.8485
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
CHLA	14	35.0000	0.0000	7.1786	82.8864	9.1031
SI	8	4.0000	0.0000	1.0000	2.5714	1.6036

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	DO	TDOD	TCOD	TS	TSS
PH	1.000									
SPC	0.304	1.000								
T	0.558	0.871	1.000							
TUR	0.495	0.339	0.334	1.000						
CO2	-0.540	-0.801	-0.790	-0.401	1.000					
DO	-0.084	-0.522	-0.814	0.385	0.376	1.000				
TDOD	0.083	0.048	-0.115	0.677	-0.193	0.683	1.000			
TCOD	0.685	0.257	0.364	0.709	-0.505	0.309	0.592	1.000		
TS	-0.342	0.275	-0.111	0.456	-0.067	0.304	0.518	-0.100	1.000	
TSS	0.393	0.114	0.128	0.960	-0.219	0.575	0.720	0.673	0.453	1.000
NO3N	-0.245	-0.573	-0.703	0.294	0.642	0.766	0.500	-0.022	0.394	0.460
TKN	0.437	0.183	0.083	0.750	-0.331	0.645	0.615	0.545	0.419	0.732
OP	-0.489	0.195	-0.140	0.377	-0.033	0.328	0.607	-0.025	0.829	0.387
TP	-0.182	0.264	0.021	0.665	-0.189	0.429	0.695	0.248	0.852	0.705
CHLA	-0.037	0.432	0.251	0.894	-0.215	0.233	0.576	0.347	0.696	0.684
SI	0.654	-0.310	-0.002	0.260	-0.211	0.135	0.007	0.193	-0.111	0.269

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	0.522	1.000				
OP	0.394	0.236	1.000			

	NO3N	TKN	OP	TP	CHLA	SI
TP	0.405	0.498	0.842	1.000		
CHLA	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	13	9.1000	7.9000	8.3385	0.1259	0.3549
SPC	13	380.0000	80.0000	253.0769	6302.2436	79.3867
T	14	84.2000	43.0000	62.0643	179.4763	13.3969
TUP	14	7.0000	0.0000	3.0000	5.5385	2.3534
CO2	13	1.0000	0.0000	0.2692	0.1923	0.4385
FDO	14	12.6000	7.7000	9.9214	2.0634	1.4364
TBOD	14	3.0000	1.0000	2.1429	0.4396	0.6630
TCOD	14	60.0000	0.0000	12.5000	235.3462	15.3410
TS	14	331.0000	195.0000	232.2857	1000.1429	31.6037
TSS	14	7.0000	1.0000	2.7143	3.2967	1.8157
NO3N	14	0.3300	0.0000	0.1071	0.0123	0.1155
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	0.0766
CPLA	14	27.0000	0.6000	6.4571	49.0926	7.0059
SI	8	7.0000	0.0000	1.0000	6.0000	2.4495

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUP	CO2	FDO	TBOD	TCOD	TS	TSS
PH	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				
TBOD	-0.344	-0.200	-0.155	0.148	-0.069	0.579	1.000			
TCOD	0.074	-0.177	0.153	0.062	-0.265	-0.166	0.053	1.000		
TS	0.126	-0.167	0.185	0.562	-0.306	0.651	0.612	-0.029	1.000	
TSS	-0.116	0.491	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	0.903	0.545	0.217	-0.221	-0.015	-0.034
TKN	-0.265	-0.142	-0.262	0.003	-0.335	0.367	0.051	-0.109	0.406	-0.262
OP	-0.292	0.141	-0.045	-0.253	-0.045	-0.412	-0.026	-0.365	-0.347	0.019
TP	-0.071	-0.082	-0.287	-0.320	-0.159	0.160	0.090	-0.206	-0.001	-0.308
CPLA	0.089	-0.418	0.327	0.291	-0.509	0.250	0.195	-0.072	0.612	-0.230
SI	-0.181	-0.194	-0.183	0.166	1.000	-0.454	-0.070	0.254	-0.221	-0.056

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

	NO3N	TKN	OP	TP	CPLA	SI
TP	-0.068	0.536	0.224	1.000		
CPLA	-0.201	0.079	-0.249	-0.022	1.000	
SI	-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	MEAN	VARIANCE	STD. DEV.
PF	13	8.0000	7.0000	8.1760	0.0853	0.2555
SPC	12	310.0000	200.0000	242.0833	1005.6288	31.7274
T	14	71.4000	41.9000	52.5500	105.8527	10.2778
TUP	14	14.0000	0.0000	4.3571	15.7088	3.9736
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	88.9011	9.4287
TS	14	275.0000	185.0000	223.3571	718.5569	26.8059
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
CHLA	14	25.0000	0.8000	6.2857	49.6075	7.0433
SI	8	2.0000	0.0000	0.5000	0.5714	0.7559

CORRELATION MATRIX FOLLOWS:

	PF	SPC	T	TUP	CO2	FDO	TPOD	TCOD	TS	TSS
PF	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	0.083	0.759	1.000			
TCOD	-0.071	0.351	0.271	-0.183	-0.407	-0.447	-0.444	1.000		
TS	0.215	-0.165	-0.072	0.424	-0.139	0.539	0.489	-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	0.190	0.498	-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
CHLA	0.052	-0.342	-0.187	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	CHLA	SI
NO3N	1.000					
TKN	0.149	1.000				
OP	-0.044	-0.688	1.000			

	NO3N	TKN	OP	TP	CHLA	SI
TP	0.065	0.731	-0.566	1.000		
CHLA	0.254	0.277	-0.280	0.038	1.000	
SI	-0.619	-0.073	-0.340	0.250	-0.559	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	8.2643	0.2040	0.4517
SPC	13	330.0000	220.0000	277.6923	1390.0641	37.2836
T	14	79.7000	42.8000	60.6429	162.0340	12.7293
TUR	14	6.0000	0.0000	3.1429	4.4396	2.1070
CO2	13	2.4000	0.0000	0.4538	0.5277	0.7264
PDO	14	12.7000	7.6000	9.7643	1.9471	1.3954
TPOT	14	6.0000	1.0000	2.4286	1.8022	1.3425
TCOD	13	45.0000	0.0000	14.0231	169.5769	13.0222
TS	14	309.0000	185.0000	233.0714	1113.4560	33.3685
TSS	14	17.0000	0.0000	4.2143	16.7957	4.0984
NO3N	14	0.3600	0.0000	0.1207	0.0106	0.1401
TKN	11	1.0100	0.1500	0.5173	0.0659	0.2555
OP	14	0.0400	0.0000	0.0086	0.0001	0.0103
TP	14	0.5700	0.0100	0.0957	0.0241	0.1551
CHLA	14	18.0000	0.6000	6.5286	43.4437	6.5912
SI	9	5.0000	0.0000	0.8750	4.4107	2.1002

CORRELATION MATRIX FOLLOWS:

	PF	SPC	T	TUR	CO2	PDO	TPOT	TCOD	TS	TSS
PF	1.000									
SPC	0.736	1.000								
T	0.750	0.712	1.000							
TUR	0.321	0.564	0.606	1.000						
CO2	-0.635	-0.771	-0.805	-0.665	1.000					
PDO	-0.114	0.159	-0.493	-0.265	0.294	1.000				
TPOT	0.256	0.327	0.196	0.303	-0.072	0.296	1.000			
TCOD	0.155	-0.098	0.284	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	0.429	1.000
NO3N	-0.711	-0.550	-0.791	-0.436	0.749	0.453	0.182	0.260	0.371	-0.042
TKN	0.471	0.788	0.070	0.184	-0.401	0.596	0.276	-0.583	0.592	0.439
OP	0.021	0.043	0.063	0.188	-0.050	-0.310	-0.297	-0.139	-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
CHLA	0.708	0.835	0.565	0.464	-0.523	0.348	0.607	-0.089	0.559	0.499
SI	-0.239	-0.579	-0.272	-0.446	1.000	-0.305	-0.173	0.735	-0.084	-0.136

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	-0.009	1.000				
OP	-0.128	0.213	1.000			

	NO3N	TKN	OP	TP	CHLA	SI
TP	-0.193	0.578	-0.236	1.000		
CHLA	-0.220	0.715	-0.088	0.546	1.000	
SI	0.237	-0.381	-0.006	-0.011	-0.501	1.000

NMP-5, BIMONTHLY
BOTTOM
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	13	8.0000	7.0000	8.1923	0.1058	0.3252
SPC	13	330.0000	230.0000	277.6923	1491.7308	38.4033
T	14	73.0000	42.0000	57.2286	157.2653	12.5405
TUR	14	37.0000	0.0000	7.2857	93.2967	9.6590
CO2	13	4.0000	0.0000	0.7923	1.4941	1.2182
FDO	14	13.4000	6.4000	9.6643	2.7783	1.6662
TBOD	14	3.0000	1.0000	1.9286	0.5330	0.7300
TCOD	13	50.0000	1.0000	15.3846	225.7564	15.0252
TS	14	452.0000	190.0000	244.4286	4816.8791	69.4076
TSS	14	163.0000	1.0000	22.5714	1919.0330	43.8069
NO3N	14	0.4000	0.0000	0.1364	0.0207	0.1439
TKN	11	1.2300	0.2000	0.5045	0.1195	0.3442
OP	14	0.0800	0.0000	0.0129	0.0005	0.0213
TP	14	0.5300	0.0200	0.0800	0.0198	0.1406
CHLA	14	37.0000	0.0000	5.9643	93.0840	9.6480
SI	8	4.0000	0.0000	1.0000	2.2857	1.5119

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.566	1.000								
T	0.757	0.662	1.000							
TUR	-0.099	-0.177	-0.168	1.000						
CO2	-0.723	-0.557	-0.617	0.311	1.000					
FDO	-0.059	-0.426	-0.605	0.334	0.509	1.000				
TBOD	-0.070	0.107	-0.338	0.625	0.098	0.491	1.000			
TCOD	0.271	0.039	0.238	0.089	-0.308	-0.387	-0.297	1.000		
TS	-0.328	-0.038	-0.291	0.876	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	0.590	0.639
TKN	0.176	-0.238	-0.245	0.880	0.102	0.565	0.691	0.088	0.769	0.683
OP	-0.536	-0.307	-0.480	0.812	0.387	0.205	0.509	0.047	0.913	0.975
TP	-0.176	-0.331	-0.230	0.988	0.311	0.391	0.577	0.048	0.853	0.833
CHLA	-0.388	-0.205	-0.060	0.817	0.369	-0.010	0.348	0.067	0.768	0.813
SI	-0.115	-0.198	-0.045	0.190	-0.200	-0.479	-0.113	0.950	0.231	0.261

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	0.500	1.000				
OP	0.687	0.844	1.000			

	NO3N	TKN	OP	TP	CHLA	SI
TP	0.490	0.866	0.815	1.000		
CHLA	0.423	0.524	0.782	0.831	1.000	
SI	0.069	0.172	0.342	0.158	0.110	1.000

NMP-6, BIMONTHLY
SURFACE
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	13	9.0000	7.9000	8.3308	0.1190	0.3449
SPC	13	345.0000	270.0000	275.7692	1732.6923	41.6256
T	14	79.7000	42.8000	60.6643	159.0532	12.6116
TUR	14	12.0000	0.0000	3.2143	8.7967	2.9659
CO2	13	1.0000	0.0000	0.3077	0.2308	0.4804
FDO	14	13.0000	7.1000	9.9714	2.2453	1.4984
TROD	14	3.0000	0.0000	2.0714	0.8407	0.9169
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	10.1319	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
SI	8	1.0000	0.0000	0.1250	0.1250	0.3536

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TROD	TCOD	TS	TSS
PH	1.000									
SPC	0.540	1.000								
T	0.698	0.834	1.000							
TUR	0.541	0.489	0.381	1.000						
CO2	-0.711	-0.776	-0.843	-0.662	1.000					
FDO	-0.141	0.151	-0.343	0.462	-0.252	1.000				
TROD	-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	0.280	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	-0.479	0.208	0.154	-0.275	0.340	-0.105
SI	0.117	-0.026	0.116	-0.211	1.000	-0.119	-0.378	-0.425	-0.161	

	NO3N	TKN	OP	TP	CPLA	SI
NO3N	1.000					
TKN	-0.151	1.000				
OP	0.086	-0.136	1.000			
TP	0.064	-0.188	0.077	1.000		
CPLA	-0.379	-0.007	-0.337	-0.162	1.000	
SI	-0.317	0.134	0.655	-0.404	0.029	1.000

NMP-6, BIMONTHLY
BOTTOM
ALL YEAR 1973

PARAMETER	NO. OF SAMP	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
TUR	14	20.0000	0.0000	4.7857	31.2582	5.5909
CO2	13	2.5000	0.0000	1.0308	0.6623	0.8138
FDO	14	13.8000	5.8000	9.8143	4.0998	2.0248
TFOD	14	5.0000	1.0000	1.7143	1.2967	1.1387
TCOD	13	45.0000	2.0000	10.3846	119.4231	10.9281
TS	14	355.0000	165.0000	233.7857	1699.8736	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	0.0854	0.2922
OP	14	0.0300	0.0000	0.0114	0.0001	0.0086
TP	14	0.9100	0.0000	0.1014	0.0562	0.2370
CPLA	14	45.0000	0.0000	8.1857	133.4490	11.5520
SI	8	6.0000	0.0000	1.0000	4.5714	2.1381

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TFOD	TCOD	TS	TSS
PH	1.000									
SPC	0.389	1.000								
T	0.576	0.770	1.000							
TUR	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	0.616	1.000				
TFOD	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	-0.398	0.177	1.000		
TS	0.511	-0.123	-0.231	0.459	-0.258	0.790	0.282	-0.143	1.000	
TSS	-0.089	-0.038	-0.088	0.887	-0.093	-0.204	-0.120	-0.298	0.045	1.000
NO3N	-0.483	-0.486	-0.802	-0.211	0.547	0.497	0.038	-0.503	0.137	0.213
TKP	0.356	-0.069	-0.153	0.522	-0.020	0.412	0.575	-0.200	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	0.318	-0.044	0.887	-0.084
CPLA	-0.135	-0.426	-0.265	-0.190	0.542	0.288	-0.196	-0.098	0.041	-0.237
SI	-0.006	0.294	0.391	-0.162	-0.426	-0.566	-0.188	0.917	-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			

	NO3N	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	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	7.0000	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	48.7069
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	0.500	1.000								
T	0.686	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	-0.366	-0.194	-0.703	0.263	0.503	1.000				
TBOD	-0.317	-0.076	-0.379	0.292	0.429	0.692	1.000			
TCOD	-0.025	0.250	0.168	-0.082	-0.333	-0.097	-0.014	1.000		
TS	0.126	0.678	0.221	0.665	-0.143	0.281	0.303	-0.050	1.000	
TSS	-0.172	0.317	0.040	0.496	0.017	0.166	0.293	-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	0.527	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	-0.224	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	9.0000	8.0000	8.3160	0.0872	0.2954
SPC	26	370.0000	200.0000	260.8846	1831.5462	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
TBOD	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	2451.3618	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	0.0002	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	TBOD	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	-0.008	-0.386	-0.485	0.319	0.413	1.000				
TBOD	-0.272	-0.041	-0.136	0.074	0.009	0.612	1.000			
TCOD	-0.066	0.138	0.035	0.562	0.061	-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	-0.040	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	0.202	-0.122	0.138	-0.075
SI	-0.171	-0.258	-0.184	-0.072	0.134	-0.265	-0.331	-0.336	-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	0.159	-0.203	-0.276	1.000

NMP-3 BIMONTHLY
ALL DEPTHS
ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	26	8.9000	7.7000	8.2462	0.1066	0.3265
SPC	26	370.0000	210.0000	286.9231	3266.1538	57.1503
T	28	86.0000	42.8000	60.8929	186.9711	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
FDO	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	178.3333	13.3542
TS	28	390.0000	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	FDO	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					
FDO	-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	-0.109	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	TKN	OP	TP	CHLA	SI
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	1285.8558	35.8588
TSS	28	51.0000	0.0000	5.0714	93.4021	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	0.6000	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	-0.091	-0.384	-0.479	-0.146	0.335	1.000				
TBOD	-0.051	-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	0.085	0.266	0.280	0.705		-0.316	-0.314	0.039	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	-0.038	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	-0.156	-0.385	-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	1.000			
TP	-0.088	0.401	0.031	1.000		
CHLA	0.021	0.185	-0.259	-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	0.0800	0.0000	0.0107	0.0003	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	0.679	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	0.309	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	0.315	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	-0.204	-0.362	-0.145	0.074	-0.075	-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	0.408	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	9.0000	7.9000	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	1.0622	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	0.0001	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	0.619	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	0.203	-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	-0.384	0.029	0.154	-0.157	-0.138	-0.453	-0.253	0.544	-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	-0.097	1.000		
CHLA	-0.056	0.095	-0.075	-0.065	1.000	
SI	-0.338	-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	86.0000	41.5000	58.2329	159.8920	12.6448
TUR	165	52.0000	0.0000	4.6648	49.8513	7.0605
CO2	151	4.0000	0.0000	0.5119	0.5033	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	0.0800	0.0000	0.0095	0.0002	0.0123
TP	165	0.9100	0.0000	0.0570	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	0.022	0.517	1.000			
TCOD	0.116	0.075	0.217	0.243	-0.255	-0.214	0.003	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	0.2243	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	0.4667	0.7024	0.8381
FDO	24	13.8000	10.4000	12.2375	0.8120	0.9011
TBOD	24	4.0000	1.0000	2.8750	0.4620	0.6797
TCOD	24	46.0000	5.0000	11.9583	64.2156	8.0135
TS	24	452.0000	237.0000	298.7500	2909.5000	53.9398
TSS	24	163.0000	0.0000	19.7917	1750.3460	41.8371
NO3N	24	0.4000	0.0200	0.1567	0.0128	0.1130
TKN	24	1.2400	0.3700	0.8317	0.0466	0.2158
OP	24	0.0600	0.0000	0.0088	0.0005	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	0.8533	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	0.448	1.000							
TUR	0.177	-0.018	-0.057	1.000						
CO2	-0.064	-0.366	-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	0.368	0.452	0.163	0.038	0.143	1.000		
TS	-0.347	0.188	0.129	0.261	0.069	-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	0.107	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	0.299	0.119	0.011	0.059	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	0.293	-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	460.0000	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
FDO	24	11.3000	7.2000	9.2375	0.8772	0.9366
TBOD	24	2.0000	0.0000	1.1667	0.2319	0.4815
TCOD	24	13.0000	1.0000	5.4583	9.1286	3.0214
TS	24	350.0000	200.0000	233.3333	1284.0580	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	0.8600	0.0000	0.3629	0.0729	0.2700
OP	24	0.0400	0.0000	0.0092	0.0001	0.0102
TP	24	0.2800	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	FDO	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					
FDO	-0.592	-0.513	-0.818	-0.289	0.742	1.000				
TBOD	-0.073	-0.146	0.018	-0.040	-0.046	0.062	1.000			
TCOD	0.378	0.556	0.414	0.258	-0.362	-0.389	-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	0.729	-0.184	-0.224	-0.103	-0.194
TKN	0.081	0.474	0.424	0.280	-0.359	-0.212	0.187	-0.041	0.193	0.153
OP	-0.362	-0.113	-0.215	0.218	0.177	0.241	0.207	-0.160	-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

	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	-0.029	1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	13	8.9000	8.0000	8.3462	0.0544	0.2332
SPC	23	370.0000	210.0000	307.8261	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	0.0900	0.0000	0.0270	0.0004	0.0203
CHLA	23	18.0000	0.6000	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	-0.092	-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	1.000		
TS	0.307	0.248	0.085	0.585	0.015	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	0.076	0.098	-0.162	0.072	-0.052
TKN	0.183	-0.337	-0.181	-0.351	-0.011	0.057	-0.063	-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	-0.257	-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	299.1250	2012.1141	44.8566
T	24	86.0000	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	14.6000	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	-0.306	1.000				
TBOD	0.395	0.395	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	0.099	-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	-0.099	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	-0.318	-0.109	0.149	0.253	0.182	-0.107	0.455	-0.236

	NO3N	TKN	OP	TP	CHLA	SI
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	0.197	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	8.3000	0.0070	0.0834
SPC	12	280.0000	229.0000	256.5667	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
TBOD	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	11.0007
TSS	24	85.0000	1.0000	8.2083	314.7808	17.7421
NO3N	24	0.1000	0.0000	0.0533	0.0009	0.0293
TKN	24	1.0000	0.3000	0.5125	0.0324	0.1801
OP	24	0.0300	0.0000	0.0083	0.0001	0.0082
TP	24	0.3000	0.0100	0.0404	0.0035	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	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.249	1.000								
T	0.529	0.260	1.000							
TUR	-0.184	-0.051	0.019	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				
TBOD	-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	-0.370	-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	OP	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	240.2000	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	16.1000	179.4632	13.3964
TS	22	420.0000	195.0000	244.3182	2514.9892	50.1497
TSS	22	260.0000	2.0000	20.3182	3007.0844	54.8369
NO3N	22	0.3000	0.1400	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	3.3000	0.6000	1.2318	0.7642	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	0.698	-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	0.328	0.060	-0.186	1.000		
TS	0.048	0.427	-0.414	0.835	0.522	-0.042	0.136	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	0.259	-0.093	0.177	0.804	0.839	0.783
TP	-0.183	-0.159	0.447	-0.037	-0.319	-0.159	-0.029	0.252	0.088	0.070
CHLA	-0.237	-0.078	0.258	-0.209	-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	-0.066	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	10.6833	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	0.0009	0.0303
TKN	0	0.0000	0.0000	0.0000	0.0000	0.0000
OP	24	0.0200	0.0000	0.0092	0.0000	0.0065
TP	24	0.0700	0.0100	0.0308	0.0003	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	0.208	-0.131	1.000			
TCOD	-0.141	-0.071	0.111	-0.013	-0.037	0.059	0.393	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	0.284	-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	0.309	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	0.398
CHLA	0.165	-0.111	0.273	-0.187	0.152	-0.051	-0.192	0.513	-0.616	-0.058
SI										

	NO3N	TKN	OP	TP	CHLA	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	79	9.1000	7.7000	8.3228	0.1228	0.3504
SPC	77	490.0000	80.0000	291.2727	3603.1483	60.0262
T	83	86.0000	42.6000	61.2084	162.2844	12.7383
TUR	83	29.0000	0.0000	3.1446	9.8325	3.1357
CO2	77	2.4000	0.0000	0.3299	0.2484	0.4984
FDO	83	13.0000	7.1000	9.8169	2.0258	1.4233
TBOD	83	6.0000	0.0000	2.0723	0.9459	0.9726
TCOD	80	60.0000	0.0000	13.7750	139.3578	11.7824
TS	83	350.0000	170.0000	230.4819	1374.6917	37.0768
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	0.0583	0.2415
OP	83	0.0400	0.0000	0.0067	0.0001	0.0086
TP	83	0.5700	0.0000	0.0582	0.0061	0.0782
CPLA	83	28.0000	0.0000	5.4422	32.5139	5.7021
SI	47	7.0000	0.0000	0.6809	2.9611	1.7208

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.472	1.000								
T	0.651	0.665	1.000							
TUR	0.383	0.451	0.385	1.000						
CO2	-0.627	-0.544	-0.771	-0.476	1.000					
FDO	-0.224	-0.128	-0.496	0.114	0.366	1.000				
TBOD	-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	-0.008	-0.151	0.153	1.000
NO3N	-0.682	-0.520	-0.813	-0.200	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	-0.068	-0.056	-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			

	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	39	8.9000	7.7000	8.2105	0.0934	0.3056
SPC	39	370.0000	210.0000	280.7692	2352.0243	48.4977
T	42	78.8000	41.9000	57.8690	158.2093	12.5817
TUR	41	37.0000	0.0000	5.0732	54.5695	7.3871
CO2	37	4.0000	0.0000	0.6243	0.8530	0.9280
FDO	42	13.4000	6.4000	9.7405	2.8830	1.6982
TDOD	41	3.0000	1.0000	1.7561	0.5900	0.7775
TCOD	40	50.0000	0.0000	13.3250	137.8660	11.7416
TS	41	452.0000	170.0000	243.6829	3058.4720	55.3035
TSS	41	103.0000	1.0000	19.8049	1101.8810	33.1943
NO3F	41	0.4000	0.0000	0.1356	0.0169	0.1298
TVF	32	1.2400	0.0000	0.4956	0.1076	0.3280
OP	41	0.0800	0.0000	0.0132	0.0003	0.0169
TP	41	0.5300	0.0100	0.0853	0.0149	0.1220
CPLA	41	37.0000	0.0000	5.1854	64.1848	8.0115
SI	24	4.0000	0.0000	0.0583	2.0417	1.4290

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUR	CO2	FDO	TDOD	TCOD	TS	TSS
PH	1.000									
SPC	0.432	1.000								
T	0.647	0.794	1.000							
TUR	0.132	0.148	0.076	1.000						
CO2	-0.699	-0.645	-0.690	0.115	1.000					
FDO	-0.120	-0.435	-0.665	0.302	0.459	1.000				
TDOD	0.150	-0.082	-0.383	0.550	0.248	0.630	1.000			
TCOD	0.366	0.193	0.390	0.325	-0.382	-0.082	0.043	1.000		
TS	-0.264	0.204	-0.129	0.709	0.100	0.277	0.522	-0.004	1.000	
TSS	-0.098	0.031	-0.100	0.891	0.190	0.304	0.545	0.325	0.730	1.000
NO3F	-0.566	-0.400	-0.761	0.125	0.584	0.540	0.631	-0.151	0.474	0.519
TVF	0.239	0.065	-0.057	0.740	-0.058	0.502	0.631	0.294	0.557	0.645
OP	-0.504	0.013	-0.287	0.635	0.226	0.260	0.522	0.020	0.837	0.733
TP	0.035	0.055	-0.054	0.753	0.101	0.411	0.454	0.100	0.606	0.688
CPLA	-0.157	0.251	0.176	0.707	0.022	0.030	0.208	0.211	0.626	0.722
SI	0.107	-0.145	-0.020	0.269	-0.158	-0.100	0.000	0.396	0.178	0.283

	NO3F	TVF	OP	TP	CPLA	SI
NO3F	1.000					
TVF	0.515	1.000				
OP	0.559	0.458	1.000			

	NO3F	TVF	OP	TP	CPLA	SI
TP	0.329	0.644	0.645	1.000		
CPLA	0.230	0.401	0.704	0.735	1.000	
SI	0.166	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	72.9000	41.5000	52.7167	115.3092	10.7382
TUP	41	52.0000	0.0000	6.4146	119.6988	10.9407
CO2	37	2.5000	0.0000	0.7784	0.5529	0.7435
FDO	42	13.8000	5.8000	9.8214	3.4290	1.8518
TBOD	41	5.0000	1.0000	1.6098	0.6439	0.8024
TCOD	40	65.0000	1.0000	12.4250	155.8917	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
TKN	33	1.1200	0.0000	0.4842	0.0948	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	5.6634	75.4264	8.6848
SI	24	6.0000	0.0000	0.7500	2.9783	1.7258

CORRELATION MATRIX FOLLOWS:

	PH	SPC	T	TUP	CO2	FDO	TBOD	TCOD	TS	TSS
PH	1.000									
SPC	0.340	1.000								
T	0.551	0.841	1.000							
TUP	0.424	0.116	0.024	1.000						
CO2	-0.284	-0.598	-0.623	0.044	1.000					
FDO	0.117	-0.498	-0.593	0.185	0.470	1.000				
TBOD	0.043	-0.136	-0.262	0.070	-0.068	0.486	1.000			
TCOD	0.042	0.225	0.201	0.433	-0.238	-0.248	-0.089	1.000		
TS	0.239	-0.056	-0.161	0.668	0.173	0.466	0.322	0.407	1.000	
TSS	-0.016	0.064	-0.068	0.703	0.132	-0.023	0.029	0.582	0.896	1.000
NO3N	-0.536	-0.635	-0.844	-0.062	0.431	0.499	0.208	-0.254	0.135	0.081
TKN	0.313	-0.286	-0.284	0.390	-0.010	0.535	0.455	-0.128	0.401	0.044
OP	-0.121	0.022	-0.114	0.430	0.200	-0.026	-0.079	0.518	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	0.128	-0.128
SI	-0.053	0.026	0.144	-0.113	-0.150	-0.394	-0.263	0.476	-0.217	-0.198

	NO3N	TKN	OP	TP	CHLA	SI
NO3N	1.000					
TKN	0.177	1.000				
OP	0.087	-0.457	1.000			

	NO3N	TKN	OP	TP	CHLA	SI
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	-0.120	-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	41.0000	61.8125	209.5870	14.4744
ALK	9	98.0000	81.0000	88.6667	27.0000	5.1962
FOO	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	30.0000	3.0000	11.2222	82.4444	9.0799
TTOC	5	10.0000	2.0000	5.6000	8.8000	2.9665
TDS	9	330.0000	185.0000	238.3333	2850.0000	53.3854
TSS	9	16.0000	1.0000	5.0000	24.5000	4.9497
NO3N	9	0.2000	0.0000	0.1178	0.0065	0.0806
TKN	9	0.7000	0.0000	0.3411	0.0777	0.2787
OP	9	0.0400	0.0000	0.0100	0.0002	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	0.0091	0.0898
FE	9	0.3600	0.0300	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							
FOO	0.111	-0.526	0.575	1.000						
TBOD	0.042	-0.702	0.892	0.697	1.000					
TCOD	0.138	0.069	0.039	-0.067	0.133	1.000				
TTOC	0.464	0.140		-0.199	0.816	0.178	1.000			
TDS	-0.033	-0.259	0.338	0.986	-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	-0.865	1.000
TKN	-0.040	-0.231	0.123	0.428	0.089	0.288	-0.311	0.182	0.241	-0.282
OP	-0.111	0.437	-0.432	-0.865	-0.523	-0.157	0.332	-0.268	0.309	-0.570
TP	-0.050	-0.070	-0.022	0.091	-0.151	-0.111		0.031	0.050	-0.138
CL	-0.104	-0.075	-0.092	0.865	-0.527	-0.118	-0.492	0.606	0.007	-0.147
CU	-0.672	-0.540	0.176		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	-0.208	-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	0.619	-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	-0.526	-0.293	-0.155	-0.252	1.000

NMP-7, MONTHLY
SURFACE
ALL YEAR 1973

PARAMETER	NO. OF SAMP	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	5.9524	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	35.8319
NH3N	7	0.2000	0.0000	0.0429	0.0062	0.0787
ORGN	5	0.5500	0.0000	0.2180	0.0443	0.2104
PHL	8	0.0620	0.0000	0.0139	0.0004	0.0203
SO4	9	35.0000	23.0000	29.4444	20.7778	4.5583
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	SO4
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	
SO4	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	0.269	-0.017	-0.419	-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	0.0200	0.0000	0.0033	0.0000	0.0080
AS	3	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.2500	0.0030	0.1050	0.0158	0.1256
BE	9	0.0090	0.0000	0.0016	0.0000	0.0032
CD	9	0.0230	0.0000	0.0052	0.0001	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	2.2600	1.3500	1.8778	0.1185	0.3442
MG	6	9.6000	6.6700	8.1317	1.4471	1.2029
NA	9	27.8000	9.0600	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		
K	-0.874	1.000	1.000	0.896	-0.323	0.442	0.047	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	0.398	-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
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

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	142.9429	11.9182
ALK	9	106.0000	76.0000	88.3333	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	175.3000	241.6667	3343.7500	57.8252
TSS	9	53.0000	1.0000	11.7778	306.1944	17.4984
NO3N	9	0.2800	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	0.3800	0.0100	0.0756	0.0136	0.1165
CL	9	65.0000	27.0000	36.7778	143.1944	11.9664
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	0.1100	0.0000	0.0313	0.0013	0.0357
TCOL	7	150.0000	0.0000	57.5714	4170.9524	64.5829
FCOL	7	9.0000	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	0.659	0.090	0.205	1.000				
TTOC	0.695	0.271	0.462	-0.232	1.000	0.029	1.000			
TDS	0.028	-0.119	0.244	0.763	0.739	0.683	-0.204	1.000		
TSS	0.452	0.174	0.027	0.168	-0.406	-0.097	-0.472	0.553	1.000	
NO3N	-0.238	-0.444	0.298	0.776	0.745	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	-0.386	0.296	0.101	-0.064
CU	-0.288	-0.425	-0.449	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	-0.092	-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	0.269	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	0.336	-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	-0.156	-0.393	-0.335	-0.176	1.000			
ZN	0.156	0.774	0.808	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	88.3333	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	70.1964
TVS	8	100.0000	55.0000	79.3750	253.1250	15.9099
NH3N	8	0.1000	0.0000	0.0250	0.0021	0.0463
ORGN	5	1.0000	0.0000	0.4200	0.1430	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	0.0000	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	0.0378

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-0.756	1.000								
COL	0.649		1.000							
TUR	0.781	-0.942	0.803	1.000						
TS	0.359	0.196	-0.411	0.269	1.000					
TVS	-0.555	0.938	-0.699	-0.236	0.361	1.000				
NH3N	1.000	-0.989		0.193	-0.357	-0.398	1.000			
ORGN	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		-0.946	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	0.0031	0.0088
CR	9	0.0300	0.0000	0.0056	0.0001	0.0113
HG	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	9.2200	6.6700	8.0483	0.7447	0.8629
NA	9	22.4000	8.9500	15.2122	19.8195	4.4519
NI	8	0.2000	0.0000	0.0400	0.0047	0.0682
PB	7	0.0600	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	HG	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			
HG	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	0.978	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	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
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	
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	6.7000	7.9556	0.4903	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
FOD	7	12.2000	7.6000	9.9429	2.5629	1.6318
TBOD	6	3.0000	1.0000	1.5000	0.7000	0.8367
TCOD	9	18.0000	3.0000	9.8889	25.3611	5.0360
TTOC	5	10.0000	1.0000	5.8000	16.7000	4.0866
TDS	9	335.0000	190.0000	238.3333	3012.5000	54.3862
TSS	9	7.0000	1.0000	3.3333	4.2500	2.0616
NO3N	9	0.3800	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	0.0001	0.0093
TP	9	0.0500	0.0200	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	0.0002	0.0124
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	FOD	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.902	1.000								
ALK	-0.405	-0.462	1.000							
FOD	-0.170	-0.428	0.493	1.000						
TBOD	0.132	0.227	0.328	0.295	1.000					
TCOD	-0.193	-0.381	0.530	0.168	-0.086	1.000				
TTOC	0.269	0.232	-0.657	-0.507	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	1.000	
NO3N	-0.267	-0.627	0.735	0.641		0.563	-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		-0.244	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	-0.590	0.276	-0.247	0.118
CU	-0.430	-0.575	-0.032	0.415	0.075	-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	0.302	-0.058	0.772	0.129	0.056	0.208	0.285	0.348
ZN	0.162	0.104	-0.354	-0.102	-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	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	7	370.0000	240.0000	338.8571	2224.1429	47.1698
TH	3	157.0000	141.0000	148.0000	67.0000	8.1854
COL	7	10.0000	5.0000	7.1429	7.1429	2.6726
TUR	9	6.0000	0.0000	3.4444	5.5278	2.3511
TS	9	340.0000	190.0000	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	39.0000	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	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-0.994	1.000								
COL	0.981	-0.952	1.000							
TUR	0.529	-0.854	0.532	1.000						
TS	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	0.034	-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	0.916	0.407	-0.092

	F	CN	SETR	SUR
F	1.000			
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	0.1000	0.0000	0.0285	0.0020	0.0451
AS	2	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.3300	0.0000	0.1025	0.0244	0.1563
BE	9	0.0220	0.0000	0.0036	0.0001	0.0073
CD	9	0.0020	0.0000	0.0002	0.0000	0.0007
CR	9	0.0800	0.0000	0.0122	0.0007	0.0273
HG	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	9	2.3500	1.3200	1.9000	0.1713	0.4139
MG	6	9.3400	6.6700	8.4217	0.9032	0.9504
NA	9	28.2000	9.3400	16.4356	42.2740	6.5018
NI	8	0.0500	0.0000	0.0175	0.0004	0.0198
PB	7	0.0600	0.0000	0.0086	0.0005	0.0227
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		
K	1.000	0.665	1.000	0.758	0.081	0.408	-0.224	1.000	1.000	
MG	1.000	0.600	1.000	-1.000	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	0.970	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
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	
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
ALK	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	5.7500	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
MN	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
FCOL	7	5.0000	0.0000	2.4286	4.9524	2.2254

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.612	1.000								
ALK	-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	0.349	0.318	0.435	1.000				
TTOC	0.325	-0.033	-0.219	-0.765	0.629	0.184	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
MN	-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
FCOL	-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	MN	ZN	TCOL	FCOL
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				
MN	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	
FCOL	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
SO4	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	SO4
SPC	1.000									
TH	-0.026	1.000								
COL	0.968	-0.096	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	-0.609	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	-0.678	-0.480	-0.486	1.000		
PHL	0.850	0.321	0.951	0.032	-0.085	-0.627	1.000	0.211	1.000	
SO4	-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
HG	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
V	6	0.3000	0.0000	0.0500	0.0150	0.1225

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	1.000							
BA	0.566	0.500	1.000	1.000						
BE	0.459	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			
HG	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	0.567	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
V	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	V
NA	1.000					
NI	0.068	1.000				
PB	0.306	0.022	1.000			
SE	1.000	1.000	1.000	1.000		
SI	0.364	0.014	0.991		1.000	
V	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	STD. 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
T8OD	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	3539.1667	59.4909
TSS	10	14.0000	2.0000	6.2000	19.2889	4.3919
NO3N	10	0.3000	0.0000	0.1270	0.0134	0.1158
TKN	9	1.4000	0.1000	0.6322	0.1697	0.4120
OP	10	0.0100	0.0000	0.0050	0.0000	0.0053
TP	10	0.0500	0.0100	0.0270	0.0003	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	0.1570	0.0219	0.1479
MN	8	0.3200	0.0000	0.0563	0.0117	0.1080
ZN	9	0.5080	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	FOC	T8OD	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						
T8OD	-0.511	-0.581	0.714	0.869	1.000					
TCOD	0.459	0.372	0.024	-0.361	0.006	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	0.037	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	-0.648	-0.065	0.151	-0.156
CU	-0.096	-0.388	0.070	0.318	-0.259	-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	0.369	0.315	0.516	-0.217	-0.165	-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	-0.064	1.000							
CL	0.044	-0.383	0.730	1.000						
CU	0.500	-0.382	-0.311	-0.280	1.000					
FE	-0.303	-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	0.390	-0.455	0.586	0.548	-0.115	-0.199	-0.355	0.042	1.000	
FCOL	0.273	-0.761	0.075	0.568	-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	330.0000	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	3411.3889	58.4071
TVS	9	140.0000	30.0000	81.1111	929.6611	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	23.8444	4.8826
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		-0.476	-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	0.647	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	-0.504	-0.727
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	-0.362	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	0.0003	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	1.3590	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	6.0000	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		
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	0.247	0.396	0.302	1.000	0.464	1.000
NA	0.517	-0.232	1.000	1.000	0.352	-0.340	0.380	1.000	-0.021	0.228
NI	-0.539	0.374	1.000	1.000	-0.346		0.396	1.000	-0.183	-0.515
PB	1.000	-0.200		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
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	-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		
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	MAX	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	96.0000	73.0000	87.4000	46.4889	6.8183
FOO	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	0.0946	0.3076
OP	10	0.0600	0.0000	0.0130	0.0003	0.0177
TP	10	0.0800	0.0100	0.0390	0.0005	0.0228
CL	10	65.0000	27.0000	36.6000	128.7111	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	0.0750	0.0070	0.0837
ZN	9	0.1740	0.0000	0.0484	0.0033	0.0572
TCOL	8	220.0000	0.0000	70.6250	4999.6964	70.7085
FCOL	8	550.0000	0.0000	71.2500	37433.3571	193.4770

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FOO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.780	1.000								
ALK	0.463	-0.029	1.000							
FOO	-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	-0.305	1.000	
NO3N	-0.540	-0.219	-0.243	0.764	0.858	-0.235	0.519	0.209	-0.367	1.000
TKN	-0.024	-0.465	0.254	0.706	0.015	-0.343	-0.818	0.358	0.089	0.001
OP	-0.193	0.060	-0.269	-0.172		0.513	0.186	-0.329	-0.125	0.308
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	0.004	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	0.009	-0.065	-0.382	-0.010
ZN	-0.766	-0.375	-0.890	0.484	0.768	0.040	-0.021	-0.340	0.261	0.486
TCOL	0.237	0.140	0.157	0.544	0.390	0.197	-0.156	0.771	0.081	0.381
FCOL	-0.602	-0.447	0.504	0.463	0.616	-0.047	-0.589	0.022	-0.332	-0.445

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	-0.513	1.000								
TP	-0.257	0.559	1.000							
CL	-0.111	-0.088	0.153	1.000						
CU	0.600	-0.073	-0.335	-0.057	1.000					
FE	0.651	-0.251	-0.456	-0.207	0.734	1.000				
MN	-0.341	-0.381	-0.558	0.523	0.523	0.067	1.000			
ZN	-0.143	0.314	0.441	0.069	-0.384	-0.112	-0.406	1.000		
TCOL	0.204	0.062	0.446	0.721	-0.127	-0.436	-0.244	-0.055	1.000	
FCOL	0.041	-0.094	-0.370	0.500	0.549	0.247	0.537	-0.373	0.025	1.000

NMP-10, MONTHLY DISCHARGE ALL YEAR, 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	2	341.0000	329.0000	335.5000	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	110.0000	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	8	0.1650	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	0.1400	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	0.2100	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	-0.023	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	-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
SETR		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR		-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	0.0000	0.0008
AL	6	0.0800	0.0030	0.0318	0.0014	0.0373
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	0.0057
CD	10	0.0150	0.0000	0.0028	0.0000	0.0051
CR	10	0.0600	0.0000	0.0130	0.0005	0.0231
HG	3	0.0000	0.0000	0.0000	0.0000	0.0000
K	10	2.3500	1.3200	1.8560	0.1660	0.4074
MG	7	9.5200	0.3200	7.1314	9.6224	3.1020
NA	10	27.9000	9.3400	17.3890	36.3057	6.0254
NI	9	0.1000	0.0000	0.0378	0.0013	0.0367
PB	7	0.0800	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	CD	CR	HG	K	MG
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					
CD	-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		
K	-0.385	0.176	1.000	1.000	-0.086	0.362	0.239	1.000	1.000	
MG	-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	0.020	-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
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	11.8404
FOD	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	49.9399
FCOL	7	2.0000	0.0000	0.4286	0.6190	0.7868

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FOD	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T		1.000								
ALK	-0.728		1.000							
FOD				1.000						
TBOD	-0.358		0.508		1.000					
TCOD	0.281		-0.038		-0.405	1.000				
TTOC	0.933		-0.589		0.500	0.266	1.000			
TDS	-0.164		0.468		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		0.179		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	-0.408		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		-0.205		-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	-0.009	-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	-0.604	-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 SAMP	MAX	MIN	MEAN	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
CH	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	1.000	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
CH		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	CH	SETR	SUR
F	1.000			
CH	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	MAX	MIN	MEAN	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
MG	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	MG
AG	1.000									
AL	1.000	1.000								
AS	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		
K	-0.823	1.000	1.000	-0.143	-0.065	0.016	0.412	1.000	1.000	
MG	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
PB	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
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

	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	1.6964	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	190.0000	234.0000	1213.0000	34.7851
TSS	10	13.0000	0.0000	3.1000	19.2111	4.3830
NO3N	10	0.4100	0.0000	0.1520	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	0.0830	0.0000	0.0356	0.0009	0.0297
TCOL	8	150.0000	0.0000	53.3750	351.5536	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		1.000								
ALK	-0.313		1.000							
FDO	1.000		1.000	1.000						
TBOD	0.239		0.026	1.000	1.000					
TCOD	0.491		-0.086		0.092	1.000				
TTOC	0.774		-0.284	1.000	-0.022	-0.461	1.000			
TDS	-0.151		0.736	1.000	0.197	-0.415	0.202	1.000		
TSS	0.145		-0.666	1.000	-0.118	-0.334	-0.353	-0.553	1.000	
NO3N	-0.312		0.180	1.000	0.729	-0.035	0.506	0.229	-0.296	1.000
TKN	-0.129		0.227	1.000	0.052	0.388	-0.364	-0.166	-0.013	0.146
OP	-0.595		-0.143	1.000	0.107	-0.269	-0.455	-0.393	0.312	0.271
TP	0.298		-0.323	1.000	-0.188	0.613	0.063	-0.358	-0.174	-0.037
CL	-0.002		0.153	1.000	-0.254	-0.182	-0.515	-0.213	0.252	-0.214
CU	-0.781		0.376	1.000	-0.063	-0.206	-0.098	0.166	-0.383	0.351
FE	-0.301		0.155	1.000	0.485	-0.657	-0.047	-0.032	0.045	0.498
MN	0.121		0.523	1.000	0.327	-0.159	-0.132	0.423	-0.434	-0.261
ZN	0.352		-0.322		0.242	0.339	-0.049	-0.597	0.584	0.143
TCOL	0.582		-0.693	1.000	0.104	-0.270	0.215	-0.159	0.612	-0.605
FCOL	-0.043		0.660	1.000	-0.285	-0.197	-0.464	0.474	-0.279	-0.414

	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	-0.146	-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	0.169	-0.069	0.538	-0.197	0.425	-0.362	1.000		
TCOL	-0.203	-0.164	-0.265	-0.561	-0.679	-0.297	-0.237	-0.005	1.000	
FCOL	-0.252	-0.207	-0.079	0.764	-0.139	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	200.0000	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		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	0.759	0.226	-0.432	1.000
F		-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
SETR		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR		-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	0.0100	0.0000	0.0017	0.0000	0.0041
AS	1	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.5000	0.0000	0.1675	0.0556	0.2357
BE	10	0.0350	0.0000	0.0075	0.0001	0.0198
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	2.4600	1.4300	1.9580	0.1616	0.4262
MG	7	9.6800	6.6000	7.9614	1.1862	1.0891
NA	10	29.2000	9.4900	16.9340	36.5507	6.0457
NI	9	0.0700	0.0000	0.0256	0.0009	0.0292
PB	7	0.0800	0.0000	0.0186	0.0011	0.0329
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	-0.265	-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	-0.209		-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
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	6.5000	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
FDO	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
MN	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
FCOL	14	10.0000	0.0000	2.7857	14.4890	3.8064

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.701	1.000								
ALK	-0.311	-0.464	1.000							
FDO	-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	0.306	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
MN	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
FCOL	-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	MN	ZN	TCOL	FCOL
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				
MN	-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	
FCOL	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	CN	SETR	SUR
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
HG	6	0.0000	0.0000	0.0000	0.0000	0.0000
K	18	2.2600	1.3500	1.8878	0.1129	0.3361
MG	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	HG	K	MG
AG	1.000									
AL	-0.183	1.000								
AS	-0.200	1.000	1.000							
BA	-0.385	0.315	1.000	1.000						
BE		-0.581	-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			
HG	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	
MG	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	
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
FCOL	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	-0.058	0.083
TCOL	0.335	-0.120	0.254	0.175	0.219	0.704	0.432	0.586	-0.164	0.554
FCOL	-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	FCOL
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	
FCOL	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
HG	6	0.0000	0.0000	0.0000	0.0000	0.0000
K	17	2.3700	1.3200	1.8671	0.1617	0.4021
MG	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	HG	K	MG
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			
HG	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	
MG	1.000	0.495	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
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	7.9213	0.2803	0.5295
T	50	163.0000	40.0000	59.7580	251.2234	15.8499
ALK	75	120.0000	73.0000	89.8267	68.8641	8.2984
FDO	43	12.8000	7.6000	9.9674	2.4032	1.5502
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	3395.6036	58.2834
TSS	75	53.0000	0.0000	5.5200	69.6043	8.3429
NO3N	75	0.4100	0.0000	0.1365	0.0122	0.1104
TKN	70	1.4000	0.0000	0.4539	0.1240	0.3522
OP	75	0.0600	0.0000	0.0084	0.0001	0.0112
TP	75	0.3800	0.0000	0.0436	0.0030	0.0545
CL	75	70.0000	26.0000	37.5067	149.6317	12.2324
CU	74	0.4100	0.0000	0.0644	0.0086	0.0927
FE	75	1.9200	0.0000	0.1761	0.0828	0.2876
MN	58	0.3600	0.0000	0.0578	0.0072	0.0849
ZN	67	0.6380	0.0000	0.0453	0.0101	0.1005
TCOL	61	430.0000	0.0000	63.8197	6078.6533	77.9657
FCOL	59	550.0000	0.0000	13.4068	5211.4866	72.1906

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
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	0.262	0.602	1.000					
TCOD	0.088	0.108	0.166	-0.199	-0.059	1.000				
TTOC	0.338	0.153	-0.267	-0.512	0.198	-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	
NO3N	-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	0.003	-0.046	-0.412	0.213	0.129	0.021
OP	-0.147	0.073	0.022	-0.075	0.079	0.242	0.100	-0.073	0.269	0.217
TP	0.170	0.177	-0.197	-0.117	-0.194	0.239	0.005	-0.059	0.129	-0.050
CL	0.015	-0.099	-0.037	0.703	-0.306	-0.153	-0.438	0.114	0.073	-0.117
CU	-0.354	-0.403	-0.017	0.380	0.334	-0.228	-0.297	0.051	-0.157	0.169
FE	-0.258	-0.268	-0.076	0.118	0.736	-0.322	-0.211	-0.089	-0.052	0.150
MN	0.122	0.164	0.092	-0.125	-0.043	-0.238	-0.125	-0.014	-0.168	-0.210
ZN	-0.028	-0.029	0.020	0.336	0.239	-0.052	-0.120	0.116	0.080	0.156
TCOL	0.307	0.052	0.201	0.357	0.163	0.363	0.159	0.487	0.058	0.125
FCOL	-0.011	-0.109	0.152	0.153	-0.107	0.094	-0.258	0.099	-0.079	-0.126

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
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	-0.382	0.672	0.279	1.000				
MN	-0.267	-0.183	-0.104	0.092	0.193	0.134	1.000			
ZN	0.309	0.046	0.028	0.129	-0.147	0.313	-0.188	1.000		
TCOL	0.064	0.053	0.056	0.151	-0.255	-0.213	-0.257	0.248	1.000	
FCOL	0.006	0.027	-0.059	0.191	0.035	0.070	-0.206	-0.079	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	189.0989	13.7513
COL	59	45.0000	0.0000	6.5254	33.6399	5.8172
TUR	75	16.0000	0.0000	3.6067	7.8879	2.8085
TS	75	520.0000	145.0000	244.6933	3504.8912	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	39.0000	22.0000	28.6667	21.3198	4.5629
F	38	0.2000	0.1000	0.1184	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	0.249	-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	0.630	0.350	0.295	0.235	-0.323	1.000
F		-0.932	1.000	-0.018	-0.247	-0.045	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	STD. 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	0.0706	0.0176	0.1328
BE	74	0.0510	0.0000	0.0049	0.0001	0.0094
CD	74	0.0070	0.0000	0.0040	0.0001	0.0093
CR	73	0.1600	0.0000	0.0123	0.0007	0.0260
HG	24	0.0000	0.0000	0.0000	0.0000	0.0000
K	74	2.4600	1.3200	1.8785	0.1352	0.3677
MG	52	10.1600	0.3200	7.9515	3.2513	1.8031
NA	74	31.6000	8.7500	16.3955	34.9149	5.9089
NI	66	0.2000	0.0000	0.0313	0.0018	0.0424
PB	55	0.2400	0.0000	0.0232	0.0021	0.0460
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	MG
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	-0.101	1.000			
HG	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	1.000	1.000	
MG	-0.161	0.221	1.000	-0.291	0.094	0.156	0.238	1.000	0.292	1.000
NA	0.142	0.095	0.624	0.404	-0.070	-0.028	-0.081	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
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	-0.152	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	7.9000	7.8000	7.8375	0.0027	0.0518
T	0	0.0000	0.0000	0.0000	0.0000	0.0000
SPC	8	330.0000	320.0000	328.1250	28.1250	5.3033
COL	8	10.0000	10.0000	10.0000	0.0000	0.0000
TUR	8	4.0000	2.0000	2.7500	0.5000	0.7071
ALK	8	85.0000	79.0000	82.3750	5.6696	2.3807
TF	8	175.0000	127.0000	149.1250	233.5536	15.2825
FEO	0	0.0000	0.0000	0.0000	0.0000	0.0000
TROD	8	1.0000	0.0000	0.5250	0.2679	0.5175

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUR	ALK	TF	FEO	TROD
PH	1.000								
T		1.000							
SPC	-0.228		1.000						
COL	1.000		1.000	1.000					
TUR	-0.098		0.619	1.000	1.000				
ALK	0.246		0.289	1.000	0.571	1.000			
TF	0.264		-0.208	1.000	0.595	0.363	1.000		
FEO								1.000	
TROD	0.067		-0.293	1.000	-0.683	-0.679	-0.680		1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TCOD	8	14.0000	3.0000	8.1250	10.1250	3.1820
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TS	8	250.0000	185.0000	203.3750	1293.9821	35.9720
TDS	8	250.0000	135.0000	195.0000	1292.8571	35.9563
TVS	8	80.0000	10.0000	41.2500	633.9286	25.1779
TSS	8	11.0000	1.0000	7.8750	11.8884	3.4200
NH3N	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	0.0046

CORRELATION MATRIX FOLLOWS:

	TCOD	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
TCOD	1.000									
TTOC		1.000								
TS	-0.486		1.000							
TDS	-0.481		0.995	1.000						
TVS	-0.412		0.250	0.225	1.000					
TSS	0.031		-0.384	-0.470	0.159	1.000				
NH3N	1.000		1.000	1.000	1.000	1.000	1.000			
ORGN	0.322		-0.286	-0.261	0.493	-0.151	1.000	1.000		
TKN	0.322		-0.286	-0.261	0.493	-0.151	1.000	1.000	1.000	
NO3N	0.267		-0.015	-0.043	-0.309	0.240	1.000	-0.408	-0.408	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	8	0.0400	0.0020	0.0085	0.0002	0.0136
TP	8	0.0800	0.0200	0.0363	0.0004	0.0200
PHL	8	0.1200	0.0160	0.0705	0.0009	0.0295
CL	8	70.0000	60.0000	67.5000	13.9393	3.7201
SO4	8	25.0000	20.0000	23.6250	0.8393	0.9161
CHLA	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	OP	TP	PHL	CL	SO4	CHLA
OP	1.000					
TP	0.561	1.000				
PHL	-0.759	-0.508	1.000			
CL	0.336	0.301	-0.407	1.000		
SO4	-0.158	0.147	0.225	-0.603	1.000	
CHLA						1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CD	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	2	4.0000	0.0000	2.0000	8.0000	2.8284
FCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	CD	SETP	F	TCOL	FCOL
CD	1.000				
SETP		1.000			
F			1.000		
TCOL				1.000	
FCOL					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	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	0.0093	0.0001	0.0122
CD	8	0.0000	0.0000	0.0000	0.0000	0.0000
CR	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	0.0046	0.0679
HG	8	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	1.000				
CR					1.000	1.000	1.000			
CU					0.003	1.000	1.000	1.000		
FE					0.810	1.000	1.000	-0.082	1.000	
HG					1.000	1.000	1.000	1.000	1.000	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
K	8	1.4300	1.3200	1.3550	0.0014	0.0378
MG	8	10.1000	8.8000	8.4500	1.0143	1.0071
MN	0	0.0000	0.0000	0.0000	0.0000	0.0000
NA	8	14.8000	11.5000	13.1875	1.3041	1.1420
NI	8	0.1240	0.0000	0.0430	0.0025	0.0507
PB	8	0.1750	0.0000	0.0219	0.0020	0.0452
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	0.0000	0.0000	0.0000
ZN	8	0.0830	0.0080	0.0469	0.0007	0.0256

CORRELATION MATRIX FOLLOWS:

	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG	-0.004	1.000								
MN			1.000							
NA	0.141	0.935		1.000						
NI	0.030	0.338		0.509	1.000					
PB	0.261	-0.373		-0.527	-0.251	1.000				
SE							1.000			
SI								1.000		
V	1.000	1.000		-1.000	1.000	1.000			1.000	
ZN	0.659	-0.323		-0.787	0.043	0.564			1.000	1.000

NMP-7 TO 12, MONTHLY
ALL DEPTHS
APRIL 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	7.7000	6.4000	7.3375	0.2713	0.5211
T	8	44.0000	43.0000	41.6917	2.0917	1.5766
ALK	8	94.0000	77.0000	87.5000	47.7143	6.9076
FDO	0	0.0000	0.0000	0.0000	0.0000	0.0000
TBOD	7	2.0000	0.0000	1.4286	0.6190	0.7868
TCOD	8	12.0000	3.0000	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	92.4107	9.6130
TSS	8	5.0000	0.0000	2.5000	4.2857	1.9518
NH3N	8	0.2200	0.0000	0.1600	0.0421	0.0463
TKN	8	1.2800	0.3600	0.8488	0.1194	0.3456
OP	8	0.0100	0.0000	0.0025	0.0009	0.0046
TP	8	0.0230	0.0000	0.0130	0.0050	0.0053
CL	8	33.0000	26.0000	27.6250	5.6339	2.4165
CU	8	0.4100	0.2210	0.3050	0.0042	0.0650
FE	8	1.9200	0.0400	0.4548	0.3948	0.6283
MN	0	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
FCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NH3N
PH	1.000									
T	0.538	1.000								
ALK	-0.045	0.642	1.000							
FDO				1.000						
TBOD	0.333	-0.575	-0.606		1.000					
TCOD	-0.503	-0.756	-0.482		-0.319	1.000				
TTOC							1.000			
TDS	-0.366	0.406	0.335		-0.171	-0.095		1.000		
TSS	0.472	-0.144	-0.257		0.272	-0.149		-0.823	1.000	
NH3N	0.041	-0.743	-0.818		0.853	0.123		-0.225	0.299	1.000
TKN	0.742	-0.092	-0.483		0.515	0.091		-0.272	0.169	0.282
OP	-0.792	-0.129	0.134		-0.841	0.230		0.128		-0.200
TP	0.265	-0.129	-0.387		0.331	-0.265		-0.556	0.722	0.529
CL	-0.306	0.106	0.347		-0.122	0.391		0.696	-0.559	-0.383
CU	0.542	-0.358	-0.550		0.414	-0.178		-0.223	0.486	0.660
FE	0.547	0.708	0.243		-0.399	-0.245		-0.311	0.147	-0.528
MN										
ZN	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
FCOL										

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
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	-0.359	1.000					
FE	0.332	-0.392	-0.017	-0.184	-0.331	1.000				
MN							1.000			
ZN	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	
FCOL										1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	8	354.0000	312.0000	337.3750	203.4107	14.2622
TH	8	144.0000	115.0000	133.8750	136.9821	11.7891
COL	8	10.0000	0.0000	7.5000	21.4286	4.6291
TUR	8	6.5000	3.1000	5.3625	1.1827	1.0875
TS	8	255.0000	230.0000	241.2500	69.6429	8.3452
TVS	8	70.0000	30.0000	53.7500	155.3571	12.4642
NH3N	0	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	8	0.1690	0.0070	0.0768	0.0035	0.0592
SO4	8	29.0000	23.0000	25.5000	5.1429	2.2678
P	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	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	0.097	1.000								
COL	-0.352	0.334	1.000							
TUR	-0.766	-0.058	0.717	1.000						
TS	0.710	0.358	-0.277	-0.671	1.000					
TVS	0.409	0.358	-0.433	-0.557	0.794	1.000				
NH3N							1.000			
ORGN								1.000		
PHL	0.427	-0.655	-0.343	-0.351	0.193	0.258			1.000	
SO4	-0.064	0.387	0.468	0.229	0.491	0.177			-0.532	1.000
P										
CN										
SETR										
SUR										

	P	CN	SETR	SUR
P	1.000			
CN		1.000		
SETR			1.000	

NMP-7 TO 12, MONTHLY.
ALL DEPTHS
APRIL 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	0.0050	0.0000	0.0016	0.0000	0.0023
CD	8	0.0000	0.0000	0.0000	0.0000	0.0000
CR	8	0.0200	0.0030	0.0038	0.0001	0.0074
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	1.6300	1.4700	1.5413	0.0040	0.0633
MG	8	6.6700	0.3200	5.0825	8.6405	2.9395
NA	8	19.1400	13.0000	14.5500	4.5893	2.1420
NI	8	0.1000	0.0000	0.0338	0.0010	0.0316
PB	8	0.0800	0.0000	0.0450	0.0016	0.0396
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	0.3000	0.0000	0.0375	0.0113	0.1061

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			1.000					
CD		1.000			1.000	1.000				
CR		1.000			-0.492	1.000	1.000			
HG								1.000		
K		1.000			-0.336	1.000	0.019		1.000	
MG		1.000			-0.630	1.000	0.311		0.646	1.000
NA		1.000			-0.891	1.000	-0.144		0.027	-0.092
NI		1.000			-0.036	1.000	-0.008		-0.003	0.073
PB		1.000			-0.287	1.000	0.315		-0.230	0.078
SE										
SI										
V		1.000			-0.282	1.000	-0.204		0.566	0.218

	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
ALL DEPTHS
MAY 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.0000	7.8000	7.9625	0.0055	0.0744
T	6	54.5000	50.0000	52.4000	3.4360	1.8536
ALK	8	112.0000	93.0000	98.6250	31.0286	5.7817
FDO	4	12.1000	11.3000	11.7000	0.1667	0.4082
TBOD	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCOD	8	16.0000	7.0000	13.1250	8.4107	2.9001
TTOC	8	4.0000	0.0000	1.3750	1.1250	1.0607
TDS	8	330.0000	25.0000	291.7500	613.6429	24.8926
TSS	8	5.0000	0.0000	2.1250	4.5536	2.1671
NO3N	8	0.3800	0.0010	0.1038	0.0257	0.1538
TKN	8	0.8000	0.1500	0.3313	0.0442	0.2103
OP	8	0.0100	0.0000	0.0025	0.0000	0.0046
TP	8	0.0600	0.0000	0.0263	0.0003	0.0185
CL	8	53.0000	25.0000	43.1250	94.6964	7.6614
CU	8	0.1400	0.0150	0.0575	0.0024	0.0442
FE	8	0.2700	0.0000	0.1638	0.0113	0.1061
MN	8	0.3600	0.0000	0.1463	0.0124	0.1393
ZN	8	0.0410	0.0000	0.0114	0.0002	0.0152
TCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000
FCOL	8	550.0000	0.0000	84.3750	36416.2679	190.8355

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	-0.699	1.000						
TBOD					1.000					
TCOD	0.025	-0.179	0.106	-0.130		1.000				
TTOC	-0.421	-0.141	-0.391			0.518	1.000			
TDS	0.337	-0.149	0.442	-0.694		0.745	0.442	-1.000		
TSS	0.388	0.095	0.416	-0.890		0.270	0.284	0.685	1.000	
NO3N	-0.311	-0.257	0.561	-0.457		0.588	0.546	0.719	0.397	1.000
TKN	0.223	-0.363	-0.073	0.547		0.186	-0.132	0.148	0.476	-0.190
OP	0.311	0.460	0.587	-0.653		0.399	-0.306	0.341	0.157	0.346
TP	-0.221	0.057	0.836	-0.278		-0.177	-0.331	-0.004	0.049	0.473
CL	0.410	0.016	0.411	-0.436		0.732	0.335	0.909	0.455	0.600
CU	-0.185	-0.132	0.146	0.000		0.553	-0.152	0.102	-0.211	0.234
FE	0.364	-0.975	0.167	-0.483		-0.512	-0.374	-0.343	-0.004	-0.325
MN	0.109	-0.274	0.104	0.210		-0.688	-0.844	-0.573	-0.599	-0.505
ZN	-0.414	-0.898	-0.220	0.914		-0.105	-0.112	-0.225	-0.192	-0.132
TCOL										
FCOL	0.255	0.557	-0.012	-0.638		0.305	-0.343	-0.082	-0.307	-0.165

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	-0.018	1.000								
TP	-0.333	0.460	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	-0.345	1.000				
MN	-0.039	0.017	0.244	-0.526	0.023	0.195	1.000			
ZN	0.515	-0.460	-0.167	-0.359	0.215	-0.768	0.358	1.000		
TCOL									1.000	
FCOL	0.029	0.770	-0.013	-0.022	0.759	0.241	0.088	-0.361		1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	4	340.0000	270.0000	305.0000	1233.3333	35.1188
TH	0	0.0000	0.0000	0.0000	0.0000	0.0000
COL	8	10.0000	0.0000	3.7500	12.5536	3.5355
TUR	8	6.0000	2.0000	4.5010	1.7143	1.3093
TS	8	335.0000	250.0000	293.7510	719.6429	26.8262
TVS	8	150.0000	80.0000	110.6250	574.5536	23.9698
NH3N	8	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	8	0.8000	0.1500	0.3813	0.0442	0.2103
PHL	8	0.0460	0.0000	0.0164	0.0007	0.0263
SO4	8	33.0000	27.0000	29.8750	4.9821	2.2321
P	0	0.0000	0.0000	0.0000	0.0000	0.0000
CN	8	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	0	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.1200	0.1000	0.1088	0.0031	0.0383

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH		1.000								
COL	0.697		1.000							
TUR	0.986		0.617	1.000						
TS	0.948		0.667	0.936	1.000					
TVS	-0.598		0.011	0.307	0.285	1.000				
NH3N	1.000		1.000	1.000	1.000	1.000	1.000			
ORGN	-0.704		0.012	0.229	0.101	0.746	1.000	1.000		
PHL	0.674		0.996	0.228	0.256	-0.454	1.000	-0.333	1.000	
SO4	0.991		0.668	0.962	0.977	0.379	1.000	0.162	-0.174	1.000
P										
CN	1.000		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SETR										
SUR	0.347		-0.061	0.388	0.533	-0.174	1.000	-0.137	0.204	0.527

	P	CN	SETR	SUR
P	1.000			
CN		1.000		
SETR			1.000	
SUR		1.000		1.000

Category 4

NMP-7 TO 12, MONTHLY
ALL DEPTHS
MAY 1973

PARAMETER	NO. OF SAMP	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	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.3600	0.0000	0.1700	0.0191	0.1380
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	2.3750	1.9800	2.2063	0.0204	0.1427
MG	8	9.1000	6.6000	7.9375	0.7894	0.8879
NA	8	28.2000	16.2000	23.1250	14.4450	3.8007
NI	8	0.0600	0.0000	0.0225	0.0005	0.0231
PB	8	0.2400	0.0000	0.0463	0.0082	0.0905
SE	0	0.0000	0.0000	0.0000	0.0000	0.0000
SI	8	7.0000	0.0000	2.8750	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	0.128	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	-0.809	-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	-0.106	1.000	1.000	0.286	-0.387
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	-0.541	-0.102	0.317		1.000	
V						1.000

NMP-7 TO 12, MONTHLY
ALL DEPTHS
JUNE 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.7000	7.9000	8.4250	0.0744	0.2729
T	8	87.3000	46.4000	64.3167	142.1917	12.7394
ALK	8	105.0000	85.0000	92.5000	55.7143	5.9761
FDO	8	12.2000	10.4000	11.6500	0.2720	0.5215
TBOD	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCOD	8	18.0000	11.0000	13.3750	5.1250	2.2638
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TDS	8	525.0000	285.0000	361.7500	9775.3571	73.7495
TSS	8	55.0000	2.0000	8.6250	315.1250	17.8361
NO3N	8	0.3100	0.1000	0.2213	0.0026	0.0511
TKN	8	1.4000	0.4000	0.7600	0.0874	0.2957
OP	8	0.0500	0.0000	0.0263	0.0031	0.0177
TP	8	0.0800	0.0400	0.0538	0.0023	0.0149
CL	8	48.0000	31.0000	41.5000	37.1429	6.0945
CU	8	0.0500	0.0100	0.0388	0.0017	0.0264
FE	8	0.1000	0.0000	0.0438	0.0018	0.0424
MN	8	0.0400	0.0000	0.0150	0.0003	0.0169
ZN	8	0.0290	0.0000	0.0226	0.0070	0.0267
TCOL	8	430.0000	19.0000	169.0000	16421.7143	128.1472
FCOL	8	5.0000	0.0000	1.3750	3.9821	1.9955

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	-0.311	1.000								
ALK	-0.355	0.030	1.000							
FDO	0.470	0.391	-0.096	1.000						
TBOD					1.000					
TCOD	-0.200	-0.237	0.449	-0.389		1.000				
TTOC							1.000			
TDS	0.320	0.840	-0.039	-0.096		-0.066		1.000		
TSS	0.128	-0.205	-0.036	-0.473		0.826		0.050	1.000	
NO3N	-0.690	-0.495	0.721	-0.779		0.563		-0.454	0.451	1.000
TKN	-0.101	-0.173	0.114	-0.368		-0.258		0.114	-0.263	-0.258
OP	0.110	-0.205	-0.034	-0.470		0.825		0.036	1.000	0.464
TP	0.360	-0.377	-0.376	0.134		0.407		-0.157	0.639	-0.006
CL	0.687	-0.674	0.322	0.214		-0.316		-0.670	-0.027	-0.585
CU	-0.171	0.338	0.819	0.098		-0.015		0.381	-0.434	-0.327
FE	-0.509	-0.077	-0.020	0.153		-0.374		-0.512	-0.347	0.195
MN	-0.764	0.355	0.141	-0.433		0.429		0.036	0.344	0.653
ZN	0.329	-0.153	-0.268	0.051		-0.360		-0.247	-0.035	-0.210
TCOL	0.595	0.098	0.487	0.216		0.109		0.398	-0.341	-0.418
FCOL	0.265	-0.348	0.641	-0.251		0.723		0.029	0.339	-0.005

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	-0.280	1.000								
TP	-0.344	0.629	1.000							
CL	0.515	-0.033	0.356	1.000						
CU	0.137	-0.440	-0.630	-0.315	1.000					
FE	0.244	-0.322	-0.502	-0.030	-0.116	1.000				
MN	0.254	0.356	-0.226	-0.471	-0.112	0.249	1.000			
ZN	-0.132	-0.024	-0.010	0.344	-0.258	0.570	-0.398	1.000		
TCOL	-0.171	-0.060	0.116	0.175	0.623	-0.568	-0.055	-0.010	1.000	
FCOL	-0.194	0.532	0.335	0.053	0.335	-0.424	-0.191	-0.026	0.690	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	4	370.0000	243.0000	325.7500	3322.9167	57.6447
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	8	9.0000	1.0000	3.0000	2.0000	1.4142
TS	8	530.0000	285.0000	373.1250	5028.1250	70.9208
TVS	0	0.0000	0.0000	0.0000	0.0000	0.0000
NH3N	7	0.1000	0.0000	0.0714	0.0024	0.0488
ORGN	7	0.7500	0.2500	0.3500	0.0267	0.1633
PHL	0	0.0000	0.0000	0.0000	0.0000	0.0000
SO4	8	39.0000	34.0000	37.6250	3.9821	1.9955
F	8	0.1000	0.1000	0.1000	0.0000	0.0000
CN	8	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	0	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.0100	0.0000	0.0013	0.0039	0.0035

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	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			-0.633	-0.216		1.000			
ORGN	-0.953			-0.383	0.379		-0.239	1.000		
PHL									1.000	
SO4	-0.130			-0.232	0.472			0.781		1.000
F	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
SETR										
SUR	1.000			-0.246	-0.151		1.000	1.000		-0.932

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

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	0.0800	0.0000	0.0138	0.0008	0.0288
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	0.0510	0.0000	0.0139	0.0004	0.0205
CD	8	0.0110	0.0000	0.0031	0.0000	0.0065
CR	8	0.0300	0.0000	0.0038	0.0001	0.0106
HG	8	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	1.9500	1.5300	1.6650	0.0234	0.1529
MG	8	9.4000	8.2000	8.6625	0.2984	0.4565
NA	8	26.4000	18.4000	22.2250	5.8450	2.4176
NI	8	0.0700	0.0000	0.0088	0.0006	0.0247
PB	8	0.0700	0.0000	0.0213	0.0009	0.0304
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	0.3000	0.0000	0.0750	0.0193	0.1389

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		-0.028			1.000					
CD		0.239			-0.122	1.000				
CR		-0.193			-0.114	0.349	1.000			
MG		1.000			1.000	1.000	1.000	1.000		
K		0.044			0.382	-0.109	-0.357	1.000	1.000	
MG		-0.314			0.429	-0.402	-0.439	1.000	-0.007	1.000
NA		-0.055			-0.167	0.305	-0.639	1.000	0.056	0.405
NI		-0.193			-0.214	0.349	1.000	1.000	-0.357	-0.409
PB		-0.186			-0.093	0.250	-0.282	1.000	0.634	-0.006
SE										
SI		1.000			1.000	1.000	1.000	1.000	1.000	1.000
V		-0.295			-0.327	0.327	-0.218	1.000	0.182	0.321

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	-0.639	1.000				
PB	0.539	-0.282	1.000			
SE				1.000		

	NA	NI	PB	SE	SI	V
SI	1.000	1.000	1.000		1.000	
V	0.555	-0.218	0.279		1.000	1.000

NMP-7 TO 12, MONTHLY
ALL DEPTHS
JULY 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	9.8000	8.2000	9.5250	0.3744	0.2765
T	4	190.4000	45.0000	77.6833	1344.3357	11.6750
ALK	8	93.0000	82.0000	86.0000	11.4286	3.3665
FDO	6	9.1000	7.6000	8.5500	0.2910	0.5019
TBOD	8	3.0000	1.0000	1.7500	0.7857	0.8864
TCOD	8	14.0000	4.0000	8.0000	13.7143	3.7033
TTOC	8	18.0000	6.0000	10.1250	11.9353	3.4498
TDS	8	280.0000	200.0000	216.7500	669.6429	25.5775
TSS	8	4.0000	1.0000	1.8000	1.1429	1.0690
NH3N	8	0.1000	0.0000	0.0600	0.0025	0.0214
TKN	8	0.1000	0.0000	0.0375	0.0027	0.0518
OP	8	0.0100	0.0000	0.0050	0.0000	0.0053
TP	8	0.1700	0.0100	0.0325	0.0031	0.0557
CL	8	31.0000	27.0000	28.6250	1.6964	1.3025
CU	8	0.0300	0.0100	0.0138	0.0032	0.0180
FE	8	0.3600	0.0700	0.2713	0.0192	0.1273
MN	8	0.3200	0.0300	0.1375	0.0085	0.0919
ZN	8	0.0300	0.0000	0.0188	0.0002	0.0141
TCOL	8	150.0000	5.0000	40.0000	2150.0000	46.3681
FCOL	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NH3N
PH	1.000									
T	-0.630	1.000								
ALK	0.183	0.246	1.000							
FDO	0.958	-0.574	-0.336	1.000						
TBOD	-0.087	-0.038	-0.704	0.556	1.000					
TCOD	0.042	0.535	0.853	-0.518	-0.479	1.000				
TTOC	-0.244	0.690	-0.068	0.035	-0.935	-0.056	1.000			
TDS	-0.694	0.937	0.075	-0.666	-0.678	0.179	0.669	1.000		
TSS	0.677	-0.199	0.182	0.109	-0.392	0.217	-0.039	-0.310	1.000	
NH3N	-0.822	0.549	-0.547	-0.765	0.452	-0.289	0.079	0.361	-0.790	1.000
TKN	0.424	-0.464	-0.226	0.036	-0.389	-0.293	-0.191	-0.493	0.516	-0.258
OP	0.697	-0.195	-0.656	0.109	0.603	-0.361	-0.427	-0.465	0.250	0.250
TP	0.413	-0.367	0.014	0.444	-0.332	-0.422	-0.136	-0.269	0.024	-0.648
CL	-0.238	0.014	-0.266	0.271	0.773	-0.609	-0.492	-0.185	-0.410	0.410
CU	0.962	-0.705	0.090	0.837	-0.155	-0.059	-0.235	-0.747	0.616	-0.718
FE	0.125	0.038	-0.392	0.147	0.269	-0.039	0.251	-0.069	0.044	0.294
MN	-0.025	-0.017	0.231	-0.677	-0.447	0.453	-0.076	-0.090	0.567	-0.233
ZN	-0.639	-0.264	-0.343	0.649	0.518	-0.263	-0.008	0.136	-0.920	0.825
TCOL	-0.418	-0.348	-0.454	0.569	0.348	-0.387	0.451	0.526	-0.389	0.476
FCOL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NH3N

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	0.258	1.000								
TP	0.458	-0.384	1.000							
CL	-0.679	0.513	-0.457	1.000						
CU	0.409	0.103	0.467	-0.326	1.000					
FE	0.317	0.304	-0.258	-0.126	0.295	1.000				
MN	0.233	0.233	-0.481	-0.152	-0.351	-0.145	1.000			
ZN	-0.507	0.066	-0.282	0.630	-0.583	0.054	-0.498	1.000		
TCOL	-0.238	-0.144	-0.195	-0.047	-0.355	0.373	-0.350	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	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	4	330.0000	255.0000	335.0000	308.0000	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
TUR	8	8.0000	5.0000	6.3750	0.6393	0.9161
TS	8	260.0000	207.0000	210.7500	669.6429	25.8775
TVS	8	110.0000	75.0000	96.2500	162.5000	12.7475
NH3N	7	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	7	0.1000	0.0000	0.0286	0.0024	0.0488
PHL	8	0.0700	0.0000	0.0325	0.0012	0.0348
SO4	8	32.0000	25.0000	28.2500	5.3571	2.3146
F	8	0.1000	0.1000	0.1000	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	0.0300	0.0200	0.0288	0.0000	0.0035

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH		1.000								
COL			1.000							
TUR	0.192			1.000						
TS	-0.192			0.804	1.000					
TVS	0.051			0.321	0.655	1.000				
NH3N	1.000			1.000	1.000	1.000	1.000			
ORGN	0.333			-0.300	-0.493	-0.235	0.333	1.000		
PHL	0.970			-0.395	-0.665	-0.065	1.000	0.112	1.000	
SO4	0.994			0.192	-0.137	-0.472	1.000	-0.039	0.452	1.000
F	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
SETR	1.000			1.000	1.000	1.000	1.000	1.000	1.000	1.000
SUR				-0.717	-0.844	-0.436	1.000	0.256	0.372	0.218

	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-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	0.0046	0.0930
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.2500	0.0000	0.0413	0.0079	0.0889
BE	8	0.0160	0.0000	0.0043	0.0000	0.0068
CD	8	0.0210	0.0000	0.0060	0.0001	0.0050
CR	8	0.0790	0.0000	0.0325	0.0006	0.0243
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	2.3100	2.2200	2.2650	0.0011	0.0330
MG	8	9.7000	9.2200	9.4850	0.0290	0.1703
NA	8	13.9000	12.4000	13.1500	0.1771	0.4209
NI	8	0.0000	0.0000	0.0413	0.0006	0.0253
PB	8	0.0800	0.0000	0.0100	0.0008	0.0283
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	HG	K	MG
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			
HG								1.000		
K	1.000	-0.261		-0.080	0.134	-0.454	0.463		1.000	
MG	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

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

PARAMETER	NO. OF SAMP	MAX	MIN.	MEAN	VARIANCE	STD. DEV.
PH	7	8.5000	8.0000	8.2000	0.0233	0.1526
T	6	103.0000	74.0000	85.0167	127.6417	11.3772
ALK	7	84.0000	75.0000	80.0000	6.3333	2.5166
FCO	7	11.7000	6.2000	8.4571	1.8429	1.2421
TBOD	7	2.0000	1.0000	1.1429	0.1429	0.3780
TCOD	5	14.0000	5.0000	8.3333	7.3333	2.7080
TTOC	7	4.0000	2.0000	2.1429	0.8095	0.8995
TDS	7	230.0000	155.0000	204.2000	1.8429	1.3692
TSS	7	40.0000	2.0000	13.0000	144.6667	12.0277
NH3N	7	0.2000	0.0000	0.0343	0.0010	0.0327
TKN	7	0.5500	0.3300	0.3786	0.0282	0.0996
OP	7	0.0100	0.0000	0.0071	0.0019	0.0049
TP	7	0.1800	0.0200	0.0786	0.0179	0.1337
CL	7	31.0000	29.0000	30.0000	0.6667	0.8165
CU	7	0.0800	0.0000	0.0257	0.0013	0.0355
FE	7	0.2400	0.0200	0.0943	0.0139	0.1041
MN	7	0.0100	0.0000	0.0000	0.0001	0.0115
ZN	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	7	1340.0000	19.0000	422.1429	1744.6782	41.7699
FCOL	7	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FCO	TBOD	TCOD	TTOC	TDS	TSS	NH3N
PH	1.000									
T	0.596	1.000								
ALK	0.762	0.171	1.000							
FCO	-0.639	0.346	-0.272	1.000						
TBOD	-0.725	1.000	-0.350	0.674	1.000					
TCOD	-0.963	-0.504	-0.949	-0.963	1.000	1.000				
TTOC	0.068	-0.775	-0.046	-0.744	-0.702	0.949	1.000			
TDS	0.499	0.890		-0.327	-0.370	0.698	-0.156	1.000		
TSS	-0.534	-0.443	-0.304	-0.109		0.814	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	0.698	0.098	0.657	-0.351	-0.304
OP	-0.187	0.420	-0.543	0.334	0.258	0.551	-0.435	0.287	-0.426	-0.389
TP	-0.294	-0.312	-0.723	-0.276	-0.169	0.999	0.335	0.157	0.105	0.093
CL	0.335	-0.033	-0.091	-0.674	-0.562	0.551	0.393	0.257	-0.048	
CU	-0.051	-0.069	-0.541	-0.247	-0.319	0.956	0.329	0.315	-0.146	-0.192
FE	-0.147	-0.192	-0.564	-0.236	-0.116	0.757	0.098	0.333	-0.184	-0.173
MN	-0.474	-0.292	-0.688	-0.012		0.551	0.322	-0.243	0.315	0.230
ZN										
TCOL	-0.776	-0.238	-0.503	0.516	0.970	0.960	-0.650	-0.313	-0.008	-0.131
FCOL	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	0.404	1.000								
TP	0.795	0.197	1.000							
CL	0.563		0.334	1.000						
CU	0.717	0.494	0.641	0.857	1.000					
FE	0.628	0.438	0.752	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	0.078	-0.420	-0.174	0.048	0.041		1.000	
FCOL	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.
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	7	0.0000	0.0000	0.0000	0.0000	0.0000
TUR	7	14.0000	3.0000	4.8571	16.8095	4.0999
TS	7	240.0000	200.0000	217.1429	193.4762	13.9013
TVS	7	95.0000	70.0000	83.5714	83.9524	8.9974
NH3N	6	0.2000	0.0000	0.0500	0.0079	0.0887
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	7	0.0530	0.0079	0.0266	0.0003	0.0165
SO4	7	27.0000	28.0000	31.1429	11.1429	3.3381
P	7	0.1000	0.1000	0.1000	0.0000	0.0000
CN	7	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	7	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	7	0.0300	0.0200	0.0357	0.0001	0.0113

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH		1.000								
COL			1.000							
TUR			1.000	1.000						
TS			1.000	0.658	1.000					
TVS			1.000	0.626	0.237	1.000				
NH3N			1.000	-0.353	-0.598	0.185	1.000			
ORGN								1.000		
PHL			1.000	-0.459	-0.189	0.113	0.458		1.000	
SO4			1.000	0.404	0.779	0.336	-0.348		-0.122	1.000
P			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
SETR			1.000	1.000	1.000	1.000	1.000		1.000	1.000
SUR			1.000	-0.589	-0.837	-0.152	0.463		0.969	-0.882

	P	CN	SETR	SUR
P	1.000			
CN	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
AUGUST 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AG	7	0.0080	0.0000	0.0029	0.0000	0.0038
AL	7	0.0030	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
BE	7	0.0100	0.0000	0.0014	0.0000	0.0038
CD	7	0.0090	0.0000	0.0024	0.0000	0.0042
CR	7	0.0300	0.0000	0.0157	0.0001	0.0113
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	7	1.4900	1.4400	1.4671	0.0004	0.0206
MG	0	0.0000	0.0000	0.0000	0.0000	0.0000
NA	7	15.6000	13.3000	14.2000	0.5933	0.7703
NI	7	0.0200	0.0000	0.0100	0.0010	0.0316
PB	7	0.0000	0.0000	0.0000	0.0000	0.0000
SE	0	0.0000	0.0000	0.0000	0.0000	0.0000
SI	7	1.0000	0.0000	0.2857	0.2381	0.4880
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	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			
HG								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	-0.057	-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	0.564	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
ALL DEPTHS
SEPTEMBER 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.1000	7.8000	8.0100	0.0114	0.1069
T	8	89.6000	44.6000	67.6500	174.3130	13.1976
ALK	8	93.0000	83.0000	88.5000	11.4286	3.3806
FDO	8	9.6000	7.6000	8.2813	0.3397	0.5829
TBOD	8	3.0000	1.0000	1.7500	0.2143	0.4629
TCOD	8	27.0000	18.0000	23.3750	9.4821	3.1595
TTOC	8	10.0000	4.0000	6.8750	4.1250	2.0310
TDS	8	220.0000	200.0000	208.7500	41.0714	6.4087
TSS	8	3.0000	0.0000	1.5000	0.8571	0.9258
NO3N	8	0.3300	0.1200	0.1913	0.0049	0.0700
TKN	8	0.5000	0.0910	0.1938	0.0136	0.1400
OP	8	0.0600	0.0000	0.0163	0.0004	0.0200
TP	8	0.2700	0.0220	0.0750	0.0055	0.0804
CL	8	34.0000	28.0000	30.8750	2.6964	1.6421
CU	8	0.0900	0.0000	0.0363	0.0009	0.0297
FE	8	0.3300	0.0000	0.0875	0.0169	0.1331
MN	8	0.1000	0.0000	0.0375	0.0013	0.0355
ZN	8	0.0490	0.0190	0.0238	0.0003	0.0164
TCOL	8	240.0000	14.0000	128.7500	5382.5000	73.3519
FCOL	8	9.0000	0.0000	3.2500	10.2143	3.1960

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.101	1.000								
ALK	-0.830	-0.385	1.000							
FDO	0.058	0.426	0.008	1.000						
TBOD	-0.866	-0.352	0.822	-0.325	1.000					
TCOD	-0.895	-0.040	0.368	0.602	-0.373	1.000				
TTOC		-0.269	0.343	-0.529	0.342	-0.170	1.000			
TDS	0.269	-0.265	0.095	0.114	-0.361	0.591	-0.123	1.000		
TSS	-0.289	0.422	0.137	0.469		-0.171	-0.418	0.122	1.000	
NO3N	-0.668	-0.457	0.905	0.352	0.651	0.508	0.192	0.161	0.209	1.000
TKN	-0.048	-0.437	0.533	0.338	-0.383	0.255	-0.536	0.309	0.634	0.344
OP	-0.268	0.615	0.455	0.591	0.115	0.569	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	-0.691	-0.283
CL	0.407	0.326	-0.605	-0.341	-0.517	-0.676	-0.048	-0.017	0.329	-0.707
CU	0.135	0.841	-0.192	0.615	-0.234	0.397	-0.269	-0.103	-0.130	-0.197
FE	-0.267	-0.242	0.129	-0.355	0.462	-0.088	-0.185	-0.227	-0.154	0.640
MN	0.256	-0.843		-0.060	-0.942	0.009	0.457	-0.137	-0.444	0.175
ZN	0.130	0.661	-0.123	0.856	-0.399	0.130	-0.336	-0.087	0.568	0.660
TCOL	-0.643	-0.494	0.819	-0.261	0.738	0.429	0.242	0.276	-0.133	0.675
FCOL	0.167	0.239	0.040	0.127	-0.435	0.499	0.028	0.785	0.349	-0.734

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	-0.291	1.000								
TP	-0.473	-0.174	1.000							
CL	-0.004	-0.345	-0.114	1.000						
CU	-0.453	0.647	0.212	-0.274	1.000					
FE	-0.052	-0.076	-0.294	-0.463	0.279	1.000				
MN	0.052	-0.367	0.637	-0.125	-0.483	-0.473	1.000			
ZN	0.294	0.446	0.076	0.173	0.357	-0.515	-0.042	1.000		
TCOL	-0.054	0.308	-0.443	-0.691	-0.252	0.539	-0.218	-0.559	1.000	
FCOL	-0.140	0.398	-0.273	0.225	0.386	-0.505	-0.141	0.122	0.335	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	8	270.0000	240.0000	251.2500	206.2500	14.3614
TH	8	162.0000	147.0000	155.3750	29.5536	5.3436
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	208.7500	41.0714	6.4087
TVS	8	80.0000	50.0000	66.8750	106.6964	10.3294
NH3N	8	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	8	0.5000	0.0000	0.1938	0.0196	0.1400
PHL	8	0.0000	0.0000	0.0000	0.0000	0.0000
SO4	8	37.0000	25.0000	30.5000	15.1429	3.8914
P	8	0.1000	0.1000	0.1000	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	0.0500	0.0000	0.0200	0.0004	0.0200

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-0.830	1.000								
COL	1.000	1.000	1.000							
TUR	1.000	-0.043	1.000	1.000						
TS	-0.853	0.475	1.000	0.129	1.000					
TVS	-0.302	0.291	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	0.370	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	0.469	1.000	-0.476	0.544	0.945	1.000	0.479	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	-0.374	1.000	-0.463	0.223	0.519	1.000	0.433	1.000	0.422

	P	CN	SETR	SUR
P	1.000			
CN	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
SEPTEMBER 1973

PARAMETER	NO. OF SAMP	MAX	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	0.0070	0.0134	0.0000	0.0063
CD	8	0.0670	0.0000	0.0139	0.0076	0.0237
CR	8	0.1600	0.0000	0.0463	0.0030	0.0548
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	1.8800	1.7700	1.8288	0.0012	0.0348
MG	0	0.0000	0.0000	0.0000	0.0000	0.0000
NA	8	12.0300	10.9300	11.1263	0.3937	0.6274
NI	8	0.2000	0.0000	0.0625	0.0069	0.0829
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	6.0000	0.0000	1.2500	4.7857	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	-0.228	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		
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	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.2000	7.4000	7.8375	0.0227	0.1506
T	6	76.3000	47.6000	57.6833	98.6167	9.8254
ALK	8	90.0000	84.0000	87.7500	3.6429	1.9086
FDO	6	10.2000	8.6000	9.7167	0.3767	0.5981
TBOD	8	3.6000	1.0000	1.6250	0.5536	0.7440
TCOD	8	30.0000	8.0000	18.1250	47.4464	6.8840
TTOC	7	7.0000	4.0000	5.0000	1.3333	1.1547
TDS	8	210.0000	175.0000	190.7500	143.9286	13.5920
TSS	8	26.0000	1.0000	10.8750	73.8393	8.5930
NO3N	8	0.1400	0.0000	0.0425	0.0045	0.0656
TKN	7	1.4000	0.0000	0.6286	0.3732	0.2726
OP	8	0.0300	0.0000	0.0113	0.0001	0.0083
TP	8	0.0800	0.0120	0.0350	0.0007	0.0256
CL	8	36.0000	24.0000	30.6250	5.4107	2.3261
CU	7	0.0600	0.0000	0.0286	0.0005	0.0219
FE	8	0.1200	0.0000	0.0525	0.0035	0.0595
MN	7	0.0230	0.0000	0.0043	0.0001	0.0079
ZN	7	0.0770	0.0120	0.0444	0.0005	0.0232
TCOL	8	136.0000	19.0000	71.2500	1695.3571	41.1747
FCOL	8	21.0000	0.0000	5.0000	55.4286	7.1314

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	0.468	1.000								
ALK	0.733	0.060	1.000							
FDO	-0.356	0.246	-0.465	1.000						
TBOD	0.271	-0.182	0.528	0.303	1.000					
TCOD	0.779	0.721	0.573	-0.026	0.392	1.000				
TTOC	-0.382	-0.236	-0.678	0.434		-0.321	1.000			
TDS	-0.673	0.034	-0.400	0.837	0.014	-0.293	0.261	1.000		
TSS	0.567	0.035	0.224	-0.833	-0.165	0.146	-0.227	-0.958	1.000	
NO3N	-0.864	-0.262	-0.587	0.448	-0.300	-0.594	0.371	0.879	-0.830	1.000
TKN	0.015	-0.563	0.354	0.274	0.821	-0.197	-0.027	-0.308	-0.313	-0.215
OP	-0.611	0.039	-0.785	0.096	-0.604	-0.427	0.642	0.331	-0.217	0.567
TP	0.056	0.961	-0.038	0.105	-0.262	0.491	-0.429	0.144	-0.101	
CL	-0.403	0.047	-0.623	0.187	-0.175	-0.209	0.639	0.142	-0.046	0.232
CU	0.180	-0.067	-0.278	0.722	0.072	-0.132	0.263	-0.401	0.577	-0.523
FE	-0.241	0.017	0.026	-0.717	-0.612	-0.374	0.627	0.021	-0.503	0.178
MN	-0.380	-0.323	0.111	0.466	0.523	0.014	-0.367	0.362	-0.427	0.223
ZN	0.609	0.708	0.318	0.578	0.159	0.432	-0.099	-0.014	0.084	-0.371
TCOL	0.454	0.468	0.361	0.146	0.614	0.852	-0.008	-0.098	-0.076	-0.382
FCOL	-0.572	-0.365	-0.735	-0.003	-0.431	-0.661	0.676	0.022	0.131	0.305

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP	-0.567	1.000								
TP	-0.605	0.100	1.000							
CL	-0.248	0.837	-0.012	1.000						
CU	0.373	-0.072	-0.262	0.238	1.000					
FE	-0.443	0.933	0.565	-0.276	-0.566	1.000				
MN	0.403	-0.336	0.304	-0.284	-0.249	0.439	1.000			
ZN	0.162	-0.330	-0.064	-0.237	0.400	-0.645	-0.458	1.000		
TCOL	0.008	-0.317	0.384	-0.027	-0.178	-0.083	0.392	0.011	1.000	
FCOL	-0.130	0.816	-0.305	0.827	0.347	-0.172	-0.342	-0.325	-0.539	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TH	6	138.0000	131.0000	134.1667	6.9667	2.6626
COL	8	5.0000	5.0000	5.0000	0.0000	0.0000
TUR	8	4.7000	0.0000	3.6250	3.9821	1.9955
TS	8	220.0000	200.0000	218.7500	41.0714	6.4087
TVS	8	155.0000	50.0000	76.2500	1093.2143	33.1393
NH3N	6	0.2000	0.1000	0.1167	0.0017	0.0408
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	8	0.0140	0.0000	0.0018	0.0000	0.0040
SO4	8	30.0000	23.0000	26.6250	5.1250	2.2638
P	7	0.2000	0.2000	0.2000	0.0000	0.0000
CN	7	0.0000	0.0000	0.0000	0.0000	0.0000
SFTR	8	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.0300	0.0000	0.0375	0.0001	0.0089

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH		1.000								
COL		1.000	1.000							
TUR		0.156	1.000	1.000						
TS		-0.858	1.000	-0.154	1.000					
TVS		0.679	1.000	0.159	-0.361	1.000				
NH3N		0.733	1.000	0.325	-0.632	0.988	1.000			
ORGN								1.000		
PHL		0.733	1.000	0.278	-0.552	0.960	1.000		1.000	
SO4		-0.939	1.000	0.470	0.062	-0.312	-0.245		-0.112	1.000
P			1.000							
CN		1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000
SFTR		1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000
SUR		0.000	1.000	0.191	-0.063	-0.304	-0.415		-0.342	0.859

	P	CN	SFTR	SUR
P	1.000			
CN	1.000	1.000		
SFTR	1.000	1.000	1.000	
SUR		1.000	1.000	1.000

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	0.0060	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
CR	7	0.0400	0.0000	0.0057	0.0002	0.0151
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
NA	7	22.3000	19.8000	20.4714	0.6924	0.8321
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	HG	K	MG
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		-0.386	1.000				
CR	1.000		1.000		0.804	-0.167	1.000			
HG								1.000		
K	1.000		-1.000		0.915	-0.103	0.688		1.000	
MG										1.000
NA	1.000		-1.000		0.266	0.015	-0.144		0.424	
NI										
PB										
SE	1.000				1.000	1.000	1.000		1.000	
SI										
V										

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

	NA	NI	PB	SE	SI	V
SI					1.000	
V						1.000

Category 4

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	8.2000	6.6000	6.9875	0.2727	0.5222
T	6	65.1000	44.1000	55.0500	0.1170	0.3420
ALK	8	130.0000	73.0000	98.3750	197.9821	14.0706
FDO	6	11.6000	10.2000	10.8000	0.4733	0.6880
TBOD	8	3.0000	2.0000	2.6250	0.2679	0.5175
TCOD	8	35.0000	4.0000	11.6250	107.2679	10.3528
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TDS	8	240.0000	223.0000	230.2500	199.2143	14.0789
TSS	8	3.0000	0.0000	1.6250	1.2679	1.1260
NH3N	8	0.3000	0.1600	0.2250	0.0029	0.0535
TKN	8	0.4000	0.0000	0.2188	0.0159	0.1223
OP	8	0.0200	0.0150	0.0175	0.0000	0.0053
TP	8	0.0300	0.0200	0.0250	0.0001	0.0107
CL	8	33.0000	32.0000	32.8750	0.1250	0.3536
CU	8	0.0400	0.0200	0.0263	0.0002	0.0135
FE	8	0.3200	0.1500	0.1750	0.0026	0.0524
MN	8	0.0200	0.0000	0.0075	0.0001	0.0089
ZN	8	0.0300	0.0070	0.0161	0.0000	0.0068
TCOL	8	120.0000	18.0000	45.0250	1275.3821	35.7209
FCOL	8	10.0000	0.0000	3.3750	10.2679	3.2043

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NH3N
PH	1.000									
T	-0.257	1.000								
ALK	-0.038	-0.343	1.000							
FDO	-0.469	0.709	-0.468	1.000						
TBOD	0.496	0.337	0.468	0.056	1.000					
TCOD	-0.461	-0.586	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	-0.139		-0.124	1.000	
NH3N	-0.084	0.936	-0.483	0.588	-0.225	-0.591		0.104	0.629	1.000
TKN	-0.052	0.670	-0.485	0.750	0.099	-0.640		0.462	0.279	0.716
OP	-0.281	-0.225	-0.104	0.282	-0.258	0.482		0.654	0.119	0.150
TP	0.397	-0.766	-0.138	-0.505	-0.129	0.456		-0.647	-0.178	-0.600
CL	-0.938	0.355	0.011	0.499	-0.489	0.305		0.466	0.314	0.340
CU	-0.071	0.594	0.158	0.192	0.450	-0.212		0.302	0.158	0.523
FE	-0.084	0.725	-0.756	0.880	-0.133	-0.434		0.169	0.324	0.725
MN	-0.162	0.710	-0.828	0.749	-0.389	-0.426		0.143	0.823	0.844
ZN	-0.226	0.867	-0.103	0.788	0.421	-0.257		-0.048	0.501	0.410
TCOL	-0.067	0.800	0.020	0.723	0.588	-0.329		0.322	0.361	0.374
FCOL	0.780	-0.187	-0.428	-0.470	0.162	-0.330		-0.560	0.396	-0.048

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NH3N

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
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	-0.256	0.194	1.000					
FE	0.729	0.224	-0.244	0.190	0.149	1.000				
MN	0.738	0.392	-0.332	0.342	0.155	0.908	1.000			
ZN	0.318	-0.229	-0.520	0.294	0.432	0.557	0.249	1.000		
TCOL	0.344	-0.243	-0.526	0.075	0.405	0.493	0.195	0.971	1.000	
FCOL	-0.148	-0.292	0.603	-0.835	-0.364	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	6.3333	2.8868
TH	0	0.0000	0.0000	0.0000	0.0000	0.0000
COL	8	5.0000	5.0000	5.0000	0.0000	0.0000
TUR	8	0.0000	0.0000	0.0000	0.0000	0.0000
TS	8	240.0000	223.0000	230.2500	199.2143	14.0789
TVS	8	95.0000	65.0000	85.6250	111.2679	10.5039
NH3N	8	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	0	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
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	8	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	8	0.0300	0.0100	0.0150	0.0001	0.0076

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH		1.000								
COL	1.000		1.000							
TUR	1.000		1.000	1.000						
TS	-0.302		1.000	1.000	1.000					
TVS	0.577		1.000	1.000	-0.465	1.000				
NH3N	1.000		1.000	1.000	1.000	1.000	1.000			
ORGN								1.000		
PHL	1.000		1.000	1.000	1.000	1.000	1.000		1.000	
SO4	-0.949		1.000	1.000	0.164	0.395	1.000		1.000	1.000
F										
CN										
SETR	1.000		1.000	1.000	1.000	1.000	1.000		1.000	1.000
SUR	-0.707		1.000	1.000	-0.870	0.405	1.000		1.000	0.944

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

Category 4

NMP-7 TO 12, MONTHLY
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	8	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	0.0040
CR	8	0.0000	0.0000	0.0000	0.0000	0.0000
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	2.4600	2.1630	2.3175	0.0102	0.1010
MG	8	8.2200	8.0660	8.1350	0.0074	0.0862
NA	8	9.4500	8.7500	9.1125	0.0643	0.2536
NI	8	0.0500	0.0000	0.0113	0.0010	0.0318
PB	8	0.0700	0.0000	0.0150	0.0008	0.0283
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	8	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						
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			
HG								1.000		
K	1.000	1.000	1.000		1.000	-0.277	1.000		1.000	
MG	1.000	1.000	1.000		1.000	-0.037	1.000		0.345	1.000
NA	1.000	1.000	1.000		1.000	-0.552	1.000		0.792	0.119
NI	1.000	1.000	1.000		1.000	0.164	1.000		0.290	0.234
PB	1.000	1.000	1.000		1.000	0.057	1.000		-0.015	-0.117
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	0.362	1.000				
PB	0.265	0.786	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

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	4	7.6000	7.4000	7.5750	0.0025	0.0500
T	2	66.2000	41.0000	54.0000	312.5000	17.6827
ALK	4	92.0000	87.0000	90.7500	4.9167	2.2174
FDO	2	12.8000	12.6000	12.7000	0.0200	0.1414
TBOD	4	4.0000	2.0000	2.7500	0.9167	0.9574
TCOD	3	8.0000	1.0000	4.3333	4.3333	2.0817
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TDS	4	240.0000	233.0000	237.5000	9.6667	3.1091
TSS	4	10.0000	1.0000	4.0000	15.3333	3.9158
NO3N	4	0.4100	0.3000	0.3550	0.0030	0.0548
TKN	0	0.0000	0.0000	0.0000	0.0000	0.0000
OP	4	0.0100	0.0100	0.0100	0.0000	0.0000
TP	4	0.0400	0.0200	0.0325	0.0021	0.0456
CL	4	42.0000	42.0000	42.0000	0.0000	0.0000
CU	4	0.1500	0.0100	0.0650	0.0257	0.0755
FE	4	1.3000	0.1300	0.9525	0.2796	0.5469
MN	4	0.1800	0.0300	0.1075	0.0034	0.0618
ZN	4	0.0710	0.0380	0.0548	0.0003	0.0177
TCOL	4	91.0000	26.0000	29.2500	1733.6933	41.6363
FCOL	4	9.0000	0.0000	3.0000	16.6667	4.0825

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	TCOD	TTOC	TDS	TSS	NO3N
PH	1.000									
T	1.000	1.000								
ALK	0.977	-1.000	1.000							
FDO	1.000	-1.000	1.000	1.000						
TBOD	0.522	-1.000	0.516	1.000	1.000					
TCOD	1.000	1.000	0.582	1.000	0.500	1.000				
TTOC							1.000			
TDS	-0.870	-1.000	-0.746	1.000	-0.455	-0.866		1.000		
TSS	-0.980	1.000	-0.957	-1.000	-0.892	-0.993		0.853	1.000	
NO3N	-0.577	1.000	-0.651	1.000	0.302	-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		-0.636	1.000		0.991		-0.505
CL	1.000	1.000	1.000	1.000	1.000	1.000		1.000	1.000	1.000
CU	0.662	1.000	0.488	-1.000	0.345	0.618		-0.965	-0.649	-0.676
FE	-0.912	-1.000	-0.931	1.000	-0.164	-1.000		0.702	0.820	0.861
MN	0.081	1.000	-0.115	-1.000	-0.296	0.038		-0.521		0.947
ZN	0.519	1.000	0.325	-1.000	0.232	0.427		-0.872	-0.659	0.816
TCOL	0.356	1.000	0.277	-1.000	-0.555	0.591		-0.475	-0.175	-0.686
FCOL	0.163	1.000	0.074	-1.000	-0.682	0.397		-0.341	0.020	-0.568

	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
TKN	1.000									
OP		1.000								
TP		1.000	1.000							
CL		1.000	1.000	1.000						
CU		1.000	-0.254	1.000	1.000					
FE		1.000	-0.562	1.000	-0.465	1.000				
MN		1.000	-0.659	1.000	0.739	-0.049	1.000			
ZN		1.000	-0.291	1.000	0.983	-0.332	0.841	1.000		
TCOL		1.000	0.642	1.000	0.436	-0.582	0.660	0.510	1.000	
FCOL		1.000	0.597	1.000	0.611	-0.603	0.739	0.471	0.978	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	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	4	45.0000	5.0000	15.0000	400.0000	20.0000
TUR	4	16.0000	2.0000	6.0000	44.6667	6.6833
TS	4	260.0000	230.0000	240.0000	240.0000	14.1421
TVS	4	75.0000	50.0000	63.7500	172.9167	13.1498
NH3N	4	0.1000	0.0300	0.0325	0.0025	0.0500
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
PHL	4	0.0200	0.0000	0.0025	0.0001	0.0100
SO4	4	32.0000	29.0000	29.5000	1.0000	1.7321
P	0	0.0000	0.0000	0.0000	0.0000	0.0000
CN	0	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	4	0.0000	0.0000	0.0000	0.0000	0.0000
SUR	4	0.1700	0.0100	0.0725	0.0047	0.0685

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH		1.000								
COL			1.000							
TUR			0.998	1.000						
TS			0.943	0.917	1.000					
TVS			0.970	0.937	0.956	1.000				
NH3N			1.000	0.998	0.943	0.973	1.000			
ORGN								1.000		
PHL			-0.333	-0.356		-0.697	-0.333		1.000	
SO4			0.962	0.957	0.953	0.929	0.962		-0.192	1.000
P										
CN										
SETR			1.000	1.000	1.000	1.000	1.000		1.000	1.000
SUR			-0.608	-0.663	-0.310	-0.810	-0.678		0.949	-0.484

	P	CN	SETR	SUR
P	1.000			
CN		1.000		
SETR			1.000	
SUR			1.000	1.000

MHP-7 TO 12, MONTHLY
ALL DEPTHS
DECEMBER 1973

CATEGORY 4

PARAMETER	NO. OF SAMP	MAX	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	0.0002	0.0150
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	4	2.3400	1.7200	1.9175	0.0838	0.2894
MG	4	8.0000	7.9000	7.6750	0.0092	0.0957
NA	4	31.6000	27.9000	29.7750	2.5225	1.5882
NI	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

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				1.000					
CD	1.000				1.000	1.000				
CR	0.988				1.000	1.000	1.000			
HG								1.000		
K	0.992				1.000	1.000	0.900		1.000	
MG	-0.359				1.000	1.000	0.058		-0.328	1.000
NA	-0.014				1.000	1.000	-0.066		-0.164	0.674
NI	1.000				1.000	1.000	0.500		0.044	0.945
PB										
SE	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

	NA	NI	PB	SE	SI	V
NA	1.000					
NI	0.977	1.000				
PB			1.000			
SE	1.000	1.000		1.000		
SI					1.000	
V	1.000	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.
PH	18	8.8000	6.7000	8.3444	0.3391	0.5823
T	16	81.0000	41.0000	59.7625	175.2812	13.2394
ALK	18	112.0000	80.0000	89.0000	76.0000	8.7178
FDO	14	12.2000	7.6000	9.8214	2.2849	1.5116
TBOD	13	3.0000	1.0000	1.6923	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	2758.8235	52.5245
TSS	18	16.0000	1.0000	4.1667	14.2647	3.7769
NO3N	18	0.3800	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	0.0900	0.0000	0.0367	0.0007	0.0263
CL	18	70.0000	26.0000	39.4444	199.7908	14.1347
CU	18	0.3100	0.0000	0.0522	0.0085	0.0923
FE	18	0.3600	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	57.0625	3880.0625	62.2901
FCOL	14	95.0000	0.0000	9.5714	639.1868	25.2821

CORRELATION MATRIX FOLLOWS:

	PH	T	ALK	FDO	TBOD	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						
TBOD	0.118	-0.242	0.519	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	0.439	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	-0.398	-0.587	0.715	0.538	0.333	0.112	-0.340	0.643	-0.329	1.000
TKN	0.017	-0.183	0.169	0.450	-0.304	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	0.440	-0.071	0.012
CU	-0.508	-0.552	0.026	0.282	0.164	-0.259	-0.145	0.045	-0.050	0.346
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	0.326	-0.152	0.325	-0.036	0.011	0.077
ZN	0.276	0.206	-0.026	0.353	-0.620	0.010	0.065	0.409	-0.077	0.066
TCOL	0.438	0.201	0.100	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	TBOD	TCOD	TTOC	TDS	TSS	NO3N
	TKN	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
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	0.037	0.047	1.000			
ZN	0.358	-0.174	0.168	0.166	-0.112	-0.047	-0.236	1.000		
TCOL	0.362	-0.330	0.282	0.612	-0.415	-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	1814.5934	42.5980
TH	7	157.0000	127.0000	142.0000	87.3333	9.3452
COL	14	10.0000	5.0000	6.7857	5.1813	2.4862
TUR	18	6.5000	0.4000	3.5278	5.2492	2.2911
TS	18	340.0000	191.0000	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	0.5000	0.0000	0.2600	0.0427	0.2066
PHL	16	0.0940	0.0000	0.0278	0.0011	0.0334
SO4	18	39.0000	23.0000	29.0000	21.2941	4.6146
F	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	0.0407	0.0012	0.0350

CORRELATION MATRIX FOLLOWS:

	SPC	TH	COL	TUR	TS	TVS	NH3N	ORGN	PHL	SO4
SPC	1.000									
TH	-0.794	1.000								
COL	0.777	-0.534	1.000							
TUR	0.560	-0.529	0.429	1.000						
TS	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	0.503	-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	0.585	0.525	0.272	0.106	-0.391	-0.185	0.059	-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	0.0080	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	0.1038	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	0.1600	0.0000	0.0178	0.0017	0.0412
HG	6	0.0000	0.0000	0.0000	0.0000	0.0000
K	18	2.3900	1.3200	1.8856	0.1365	0.3694
MG	12	9.6000	6.6700	8.2767	1.0912	1.0446
NA	18	28.2000	9.0600	16.3661	42.2440	6.4995
NI	16	0.1600	0.0000	0.0319	0.0024	0.0494
PB	14	0.0800	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	0.2143	0.4629
V	12	0.3000	0.0000	0.0500	0.0136	0.1168

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	HG	K	MG
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			
HG	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	
MG	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	0.282	0.093	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
SI	0.632	-0.316	1.000	0.009	-0.300	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PP	9	8.0000	0.0000	7.0222	0.3795	0.6161
T	8	74.0000	60.0000	72.6250	142.7202	11.9515
ALK	6	97.0000	78.0000	87.2222	37.1944	6.0987
FDO	7	12.0000	8.2000	9.8000	2.0000	1.4142
TPOP	7	2.0000	0.0000	1.2857	0.5714	0.7559
TCOP	8	26.0000	4.0000	10.7500	49.0000	7.0000
TCOC	4	10.0000	0.0000	5.7500	21.6923	4.6569
TDS	9	345.0000	200.0000	235.0000	2543.7500	50.4356
TSS	9	40.0000	1.0000	7.4444	152.0278	12.3300
NO3F	9	0.3300	0.0000	0.1567	0.0133	0.1152
TKN	8	1.2000	0.1000	0.5238	0.1592	0.3978
OP	9	0.0300	0.0000	0.0056	0.0001	0.0101
TP	9	0.1700	0.0500	0.0611	0.0024	0.0458
CL	9	60.0000	27.0000	35.7778	134.9444	11.6166
CU	8	0.2000	0.0000	0.0638	0.0000	0.0841
ZN	9	0.2300	0.0000	0.1422	0.0530	0.2303
FE	6	0.2700	0.0000	0.0667	0.0105	0.1025
ZN	7	0.1600	0.0000	0.0300	0.0035	0.0591
TCOL	7	240.0000	0.0000	70.0000	8858.0000	94.1048
FCOL	7	5.0000	0.0000	2.4286	4.0534	2.0254

CORRELATION MATRIX FOLLOWS:

	PP	T	ALK	FDO	TPOP	TCOP	TCOC	TDS	TSS	NO3F
PP	1.000									
T	0.612	1.000								
ALK	-0.046	-0.311	1.000							
FDO	-0.169	-0.488	0.592	1.000						
TPOP	-0.502	-0.838	0.261	0.126	1.000					
TCOP	0.013	-0.471	0.319	-0.319	0.435	1.000				
TCOC	0.325	-0.033	-0.219	-0.765	0.620	0.194	1.000			
TDS	0.255	-0.916	0.275	0.720	0.667	0.154	-0.754	1.000		
TSS	0.177	0.734	-0.400	-0.470	-0.000	-0.805	-0.070	-0.277	1.000	
NO3F	-0.336	-0.364	-0.024	-0.482	0.632	0.500	0.550	-0.525	0.050	1.000
TKN	-0.117	-0.505	-0.248	0.750	-0.150	0.000	-0.010	0.585	-0.000	-0.110
OP	-0.236	-0.377	0.422	-0.494	0.510	0.672	0.610	-0.591	-0.272	0.560
TP	0.609	0.637	-0.102	-0.516	-0.255	-0.010	0.605	-0.000	0.055	-0.105
CL	0.093	-0.177	0.161	0.727	-0.711	-0.004	-0.006	0.484	-0.100	-0.308
CU	-0.389	-0.516	0.418	0.654	0.303	0.010	0.605	0.005	-0.274	-0.035
FE	-0.516	-0.520	-0.541	-0.419	0.377	0.154	0.509	-0.100	-0.180	0.172
MN	-0.071	-0.216	0.673	0.650	0.520	0.230	-0.731	0.075	-0.211	-0.600
ZN	0.421	-0.071	0.105	0.441	-0.537	0.042	-0.000	0.787	0.055	0.121
TCOL	0.263	-0.298	0.802	-0.131	0.300	0.844	0.010	0.440	-0.266	0.648
FCOL	-0.738	-0.701	0.700	0.667	0.520	-0.102	-0.615	0.132	-0.471	-0.103

	SYR	OP	TP	CL	CU	FE	MN	ZN	TCOL	FCOL
SYR	1.000									
OP	-0.435	1.000								
TP	-0.623	-0.065	1.000							
CL	0.234	-0.360	-0.107	1.000						
CU	0.762	-0.234	-0.424	-0.257	1.000					
FE	0.602	-0.054	-0.302	-0.170	0.510	1.000				
MN	0.430	-0.075	-0.434	0.228	0.653	-0.251	1.000			
ZN	0.364	-0.255	-0.156	0.541	-0.201	-0.360	-0.105	1.000		
TCOL	-0.066	0.644	0.020	0.412	-0.307	-0.227	0.515	0.449	1.000	
FCOL	0.227	0.192	-0.731	0.144	0.651	0.249	0.587	-0.215	-0.150	1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
SPC	7	330.0000	240.0000	277.1430	1540.6005	39.2531
TP	8	175.0000	130.0000	150.0000	327.0000	18.0831
COL	7	10.0000	5.0000	7.8575	5.0528	2.2398
TUP	6	14.0000	6.0000	8.3330	17.5000	4.1833
TC	6	350.0000	200.0000	242.2222	2434.4444	49.3444
TVC	8	150.0000	30.0000	77.5000	1400.0000	37.4166
MPN	7	0.1000	0.0000	0.0143	0.0014	0.0377
CPOP	5	0.0000	0.1000	0.0400	0.0095	0.0154
COL	8	0.0000	0.0000	0.0000	0.0000	0.0000
SOL	6	30.0000	23.0000	25.6667	41.0000	6.4031
F	8	0.1000	0.1000	0.1000	0.0000	0.0000
CR	5	0.0000	0.0000	0.0000	0.0000	0.0000
SPCP	5	0.0000	0.0000	0.0000	0.0000	0.0000
SUP	7	0.1000	0.0000	0.0286	0.0011	0.0338

CORRELATION MATRIX FOLLOWS:

	SPC	TP	COL	TUP	TC	TVC	MPN	OPOP	PEL	SOL
SPC	1.000									
TP	-0.026	1.000								
COL	0.058	-0.006	1.000							
TUP	0.772	-0.403	0.031	1.000						
TC	-0.352	-0.561	-0.171	-0.372	1.000					
TVC	-0.500	-0.488	-0.609	0.222	0.733	1.000				
MPN	-0.380	1.000	1.000	-0.316	0.606	1.000	1.000			
OPOP	-0.124	1.000		-0.151	0.870	0.480	0.806	1.000		
PEL	0.850	0.321	0.051	0.032	-0.055	-0.627	1.000	0.211	1.000	
SOL	-0.627	0.226	-0.438	0.050	0.573	0.268	0.501	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
CR	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SPCP	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	-0.350	0.432	-0.193	-0.283

	F	CR	SPCP	SUP
F	1.000			
CR	1.000	1.000		
SPCP	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 REF: D=730101,740101 S=NMP-7,NMP-8 V=40,50 JOB NO(S) = 19115

EXPLANTED	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AC	5	0.0040	0.0000	0.0014	0.0000	0.0019
AL	6	0.0360	0.0000	0.0080	0.0002	0.0147
AS	2	0.0000	0.0000	0.0000	0.0000	0.0000
BA	4	0.1300	0.0000	0.0025	0.0002	0.0050
BE	8	0.0070	0.0000	0.0013	0.0000	0.0025
CD	6	0.0100	0.0000	0.0013	0.0000	0.0035
CR	7	0.0400	0.0000	0.0057	0.0002	0.0151
CU	3	0.0000	0.0000	0.0000	0.0000	0.0000
F	8	2.3700	1.3500	1.8300	0.1708	0.4132
FE	6	10.1000	5.6700	8.5817	3.5510	1.8847
PB	8	22.4000	9.0800	14.5113	23.5362	4.8514
SI	8	0.0000	0.0000	0.0000	0.0000	0.0000
SR	7	0.1300	0.0000	0.0200	0.0008	0.0282
SE	2	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	4	0.0000	0.0000	0.2500	10.2500	3.2016
V	6	0.3000	0.0000	0.0500	0.0150	0.1225

CORRELATION MATRIX FOLLOWS:

	AC	AL	AS	BA	BE	CD	CR	CU	F	FE
AC	1.000									
AL	-0.333	1.000								
AS	1.000	1.000	1.000							
BA	-0.568	-0.500	1.000	1.000						
BE	0.459	1.000	1.000	-0.333	1.000					
CD	-0.401	-0.200	1.000	1.000	-0.109	1.000				
CR	-0.568	1.000	1.000	1.000	-0.333	1.000	1.000			
CU	1.000	1.000		1.000	1.000	1.000	1.000	1.000		
F	-0.987	0.344	1.000	0.634	-0.252	0.479	0.634	1.000	1.000	
FE	1.000	0.627	1.000	-1.000	0.556	-0.189	0.378	1.000	-0.048	1.000
PB	-0.230	-0.262	1.000	0.866	-0.359	0.557	-0.137	1.000	-0.054	0.134
SI	0.539	0.955	1.000	-0.245	-0.403		0.147	1.000	-0.005	-0.419
SR	-0.333	-0.304	1.000	1.000	-0.240	0.838	-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	-0.200	0.980	1.000	1.000	0.934	-1.000
V	1.000	-0.250	1.000	1.000	-0.200	1.000	-0.200	1.000	-0.124	0.172

	PB	SE	SI	V
PB	1.000			
SE	0.866	1.000		
SI	0.022	1.000	1.000	
V	0.364	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.
PH	274	9.1000	6.8000	8.1252	0.1053	0.4419
T	261	103.0000	40.0000	58.0134	179.4437	13.3957
SPC	212	490.0000	80.0000	292.9575	3089.8987	55.5869
COL	65	45.0000	0.0000	6.3046	30.8654	5.5557
TUR	246	52.0000	0.0000	4.3034	36.0231	6.0019
ALK	131	120.0000	6.0000	99.9084	109.9300	10.4848
TF	36	175.0000	115.0000	144.9722	167.6549	12.9493
FDO	246	13.8000	5.8000	9.7939	2.5395	1.5936
TDOD	267	6.0000	0.0000	1.8052	0.8191	0.9050

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUR	ALK	TF	FDO	TDOD
PH	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	0.139	0.248	-0.631	1.000	
TDOD	-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	108.0941	10.3002
TTOC	38	18.0000	0.0000	5.1842	14.9111	3.8615
TS	284	530.0000	145.0000	344.2782	3087.4807	55.5651
TDS	143	525.0000	130.0000	255.9580	3734.7185	61.1123
TVS	111	175.0000	10.0000	81.4865	790.7249	28.1198
TSS	284	260.0000	0.0000	9.0704	636.6311	25.2315
NH3N	196	0.9000	0.0000	0.0459	0.0123	0.1111
ORGN	81	1.1500	0.0000	0.3570	0.0883	0.2972
TKN	230	1.4100	0.0000	0.4721	0.1108	0.3328
NO3N	284	0.4500	0.0000	0.1364	0.0135	0.1163

CORRELATION MATRIX FOLLOWS:

	TCOD	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	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				
NH3N	-0.073	-0.133	0.198	0.218	0.258	0.071	1.000			
ORGN	-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
PHL	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	PHL	CL	SO4	CHLA
OP	1.000					
TP	0.193	1.000				
PHL	-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-NO + 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
SETT	75	4.0000	0.0000	0.0533	0.2133	0.4619
F	38	0.2600	0.1000	0.1184	0.0015	0.0393
TCOL	98	4000.0000	0.0000	270.5510	443995.7242	666.3308
FCOL	97	550.0000	0.0000	17.6804	3603.9483	60.0329

CORRELATION MATRIX FOLLOWS:

	CN	SETT	F	TCOL	FCOL
CP	1.000				
SETT	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	0.1329
BE	81	0.0510	0.0000	0.0052	0.0001	0.0092
CD	81	0.0670	0.0000	0.0037	0.0001	0.0098
CR	104	0.5000	0.0000	0.0207	0.0049	0.0698
CU	81	0.4200	0.0000	0.0245	0.0136	0.1166
FE	82	1.9200	0.0000	0.2046	0.0981	0.3133
HG	24	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	-0.139	1.000								
AS	-0.113	1.000	1.000							
BA	0.033	-0.074	1.000	1.000						
BE	-0.091	-0.059	-0.266	-0.355	1.000					
CD	0.404	0.228	-0.117	0.001	-0.031	1.000				
CR	-0.087	0.131	-0.163	-0.259	0.078	-0.004	1.000			
CU	0.068	-0.172	-0.009	0.018	0.002	-0.136	-0.111	1.000		
FE	0.372	-0.164	0.053	0.254	-0.042	-0.050	-0.049	0.359	1.000	
HG	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	1.8556	0.1291	0.3594
MG	76	11.6000	0.3200	8.0537	2.5163	1.5863
MN	58	0.3500	0.0000	0.0577	0.0072	0.0849
NA	98	31.8000	8.7500	16.0349	29.0260	5.4286
NI	79	0.2000	0.0000	0.0326	0.0018	0.0428
PB	62	0.2400	0.0000	0.0245	0.0021	0.0461
SE	21	0.0000	0.0000	0.0000	0.0000	0.0000
SI	126	7.0000	0.0000	0.8254	2.0033	1.7301
V	70	0.5000	0.0000	0.0371	0.0102	0.1010
ZN	98	0.6340	0.0000	0.0344	0.0072	0.0848

CORRELATION MATRIX FOLLOWS:

	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG	0.292	1.000								
MN	0.246	-0.097	1.000							
NA	0.003	-0.019	0.102	1.000						
NI	-0.095	0.036	-0.024	-0.118	1.000					
PB	-0.009	-0.130	-0.025	0.131	-0.078	1.000				
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SI	0.460	-0.511	0.737	-0.042	-0.127	0.158	1.000	1.000		
V	-0.101	0.141	-0.186	-0.032	-0.057	0.120	1.000	-0.196	1.000	
ZN	0.003	0.077	-0.188	0.096	-0.125	0.046	1.000	-0.111	0.254	1.000

ALL STATIONS
(NMP-NO)
ALL DEPTHS - MARCH 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	8	7.9000	7.8000	7.8375	0.0027	0.0518
T	0	0.0000	0.0000	0.0000	0.0000	0.0000
SPC	8	335.0000	320.0000	328.1250	28.1250	5.3033
COL	8	10.0000	10.0000	10.0000	0.0000	0.0000
TUR	8	4.0000	2.0000	2.7500	0.5000	0.7071
ALK	8	85.0000	79.0000	82.3750	5.6696	2.3817
TP	8	177.0000	127.0000	140.1250	233.5536	15.2825
FDO	0	0.0000	0.0000	0.0000	0.0000	0.0000
TDOD	8	1.0000	0.0000	0.8750	0.1339	0.3175

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUR	ALK	TP	FDO	TDOD
PH	1.000								
T		1.000							
SPC	-0.228		1.000						
COL	1.000		1.000	1.000					
TUR	-0.098		0.618	1.000	1.000				
ALK	-0.246		0.290	1.000	0.571	1.000			
TP	0.264		-0.208	1.000	0.595	0.363	1.000		
FDO								1.000	
TDOD	0.067		-0.293	1.000	-0.693	-0.679	-0.690		1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TCOD	8	14.0000	5.0000	8.1250	10.1250	3.1820
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TS	8	260.0000	145.0000	203.3750	1293.9821	35.9720
TDS	8	250.0000	135.0000	195.0000	1292.8571	35.9563
TTS	8	80.0000	10.0000	41.2500	633.9286	25.1779
TSS	8	11.0000	1.0000	7.8750	11.6964	3.4200
NH3N	8	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	8	1.0000	0.0000	0.4750	0.0870	0.2948
TKN	8	1.0000	0.0000	0.4750	0.0870	0.2948
NO3N	8	0.0300	0.0200	0.0225	0.0000	0.0046

CORRELATION MATRIX FOLLOWS:

	TCOD	TTOC	TS	TDS	TTS	TSS	NH3N	ORGN	TKN	NO3N
TCOD	1.000									
TTOC		1.000								
TS	-0.486		1.000							
TDS	-0.481		0.995	1.000						
TTS	-0.432		0.250	0.205	1.000					
TSS	0.031		-0.384	-0.470	0.259	1.000				
NH3N	1.000		1.000	1.000	1.000	1.000	1.000			
ORGN	0.322		-0.246	-0.261	0.493	-0.151	1.000	1.000		
TKN	0.322		-0.246	-0.261	0.493	-0.151	1.000	1.000	1.000	
NO3N	0.267		-0.215	-0.247	-0.398	0.249	1.000	-0.429	-0.429	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	8	0.0400	0.0200	0.0288	0.0001	0.0126
TP	8	0.0800	0.0300	0.0563	0.0004	0.0200
NH3	8	0.1200	0.0100	0.0588	0.0008	0.0288
CL	8	70.0000	60.0000	65.6250	13.6393	3.7201
CL2	8	25.0000	20.0000	23.0250	0.8393	0.9161
CHLA	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	OP	TP	NH3	CL	CL2	CHLA
OP	1.000					
TP	0.561	1.000				
NH3	-0.759	-0.508	1.000			
CL	0.336	0.301	-0.607	1.000		
CL2	-0.158	0.147	0.225	-0.609	1.000	
CHLA						1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CD	0	0.0000	0.0000	0.0000	0.0000	0.0000
SETT	0	0.0000	0.0000	0.0000	0.0000	0.0000
P	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	2	4.0000	0.0000	0.0000	8.0000	2.8284
FCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	CD	SETT	P	TCOL	FCOL
CD	1.000				
SETT		1.000			
P			1.000		
TCOL				1.000	
FCOL					1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
AC	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
BF	8	0.0350	0.0000	0.0093	0.0001	0.0122
CD	8	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.2663	0.0258	0.0879
MG	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AC	AL	AS	BA	BF	CD	CP	CU	FE	MG
AC	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BF					1.000					
CD					1.000	1.000				
CP					1.000	1.000	1.000			
CU					-0.003	1.000	1.000	-1.000		
FE					0.610	1.000	1.000	-0.862	1.000	
MG					1.000	1.000	1.000	1.000	1.000	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	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
MN	0	0.0000	0.0000	0.0000	0.0000	0.0000
NA	8	14.6000	11.5000	12.1375	1.3241	1.1508
NI	8	0.1240	0.0003	0.0430	0.0005	0.0227
PB	8	0.1250	0.0003	0.0519	0.0000	0.0452
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	0.0000	0.0000	0.0000
ZN	8	0.0930	0.0080	0.0469	0.0007	0.0258

CORRELATION MATRIX FOLLOWS:

	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG	-0.004	1.000								
MN			1.000							
NA	0.141	0.995		1.000						
NI	0.070	0.998		0.998	1.000					
PB	0.261	-0.979		-0.977	-0.941	1.000				
SE							1.000			
SI								1.000		
V	1.000	1.000		-1.000	1.000	1.000			1.000	
ZN	0.858	-0.999		-0.997	0.943	0.958			1.000	1.000

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

Category 4

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
[illegible]	14	4.1000	0.0000	2.6500	0.1004	0.4763
[illegible]	12	61.1000	40.0000	47.6250	31.8295	5.6419
[illegible]	14	395.0000	312.0000	350.6429	402.3242	20.0529
[illegible]	14	10.0000	0.0000	6.4286	13.1868	3.6314
[illegible]	14	6.5000	3.1000	5.0286	0.9896	0.9738
[illegible]	14	102.0000	77.0000	89.4286	65.2637	8.0537
[illegible]	14	160.0000	115.0000	141.2857	152.0659	12.3305
[illegible]	0	0.0000	0.0000	0.0000	0.0000	0.0000
[illegible]	13	3.0000	0.0000	1.6923	0.7308	0.8549

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TP	FDO	TBOD
PH	1.000								
T	0.352	1.000							
SPC	0.641	-0.145	1.000						
COL	-0.218	-0.317	-0.451	1.000					
TUP	0.138	-0.285	-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	0.009	-0.041	1.000		
FDO								1.000	
TBOD	0.384	-0.387	0.127	0.393	0.293	-0.150	0.347		1.000

PARAMETER	NO. OF SAMP	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	244.2857	287.9121	16.9680
TVS	14	75.0000	30.0000	58.2143	140.7967	11.8658
TSS	14	5.0000	0.0000	3.1429	2.9011	1.7033
NH3N	0	0.0000	0.0000	0.0000	0.0000	0.0000
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
TKN	14	1.4100	0.3600	0.9564	0.0959	0.3095
NO3N	14	0.2800	0.0900	0.1821	0.0029	0.0541

CORRELATION MATRIX FOLLOWS:

	TCOD	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
TCOD	1.000									
TTOC		1.000								
TS	0.048		1.000							
TDS	0.057		0.990	1.000						
TVS	0.034		0.745	0.748	1.000					
TSS	-0.171		0.106	0.004	-0.291	1.000				
NH3N							1.000			
ORGN								1.000		
TKN	0.001		0.160	0.116	-0.041	0.367			1.000	
NO3N	0.170		0.278	0.287	-0.038	0.155			0.352	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
[illegible]	14	0.[illegible]	0.0000	0.0021	0.0000	0.0083
[illegible]	14	0.0200	0.0000	0.0121	0.0000	0.0070
[illegible]	14	0.1600	0.0000	0.0454	0.0033	0.0575
[illegible]	14	33.0000	25.0000	28.0143	6.8275	2.6551
[illegible]	14	47.0000	33.0000	39.2857	84.0275	9.1668
[illegible]	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	CF	TP	PHL	CL	SCH	CFLA
CF	1.000					
TP	0.092	1.000				
PHL	0.059	-0.144	1.000			
CL	0.026	-0.029	-0.223	1.000		
SCH	-0.072	0.670	-0.543	0.430	1.000	
CFLA						1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CT	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
FCOL	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	CT	SETP	F	TCOL	FCOL
CT	1.000				
SETP		1.000			
F			1.000		
TCOL				1.000	
FCOL					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
BE	15	0.0190	0.0000	0.0045	0.0000	0.0059
CD	15	0.0000	0.0000	0.0000	0.0000	0.0000
CR	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
HG	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			1.000					
CD		1.000			1.000	1.000				
CR		1.000			0.103	1.000	1.000			
CU		1.000			0.175	1.000	-0.133	1.000		
FE		1.000			0.222	1.000	-0.397	-0.060	1.000	
HG										1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
K	15	1.8900	1.4700	1.5747	0.0043	0.0653
MG	14	6.5200	6.3500	6.3929	6.6654	2.5817
MN	0	0.0000	0.0000	0.0000	0.0000	0.0000
NA	15	23.1400	13.0000	15.4480	4.6833	2.1523
NI	14	0.1300	0.0000	0.0393	0.0015	0.0387
PB	15	0.1300	0.0000	0.0600	0.0019	0.0431
SB	0	0.0000	0.0000	0.0000	0.0000	0.0000
SE	0	0.0000	0.0000	0.0000	0.0000	0.0000
SI	15	0.3000	0.0000	0.0200	0.0060	0.0775
SN	15	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	K	MG	MN	NA	NI	PB	SB	SE	SI	SN
K	1.000									
MG	0.719	1.000								
MN			1.000							
NA	0.277	0.208		1.000						
NI	0.046	0.105		0.075	1.000					
PB	-0.207	0.044		-0.189	0.018	1.000				
SB							1.000			
SE								1.000		
SI	0.238	0.050		-0.302	0.005	0.255			1.000	
SN	1.000	1.000		1.001	1.000	1.000			1.000	1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	14	8.0000	7.8000	7.9571	0.0057	0.0756
T	12	53.1000	47.3000	51.9500	17.1791	4.1448
SPC	8	340.0000	220.0000	288.2500	2283.0288	47.7805
COL	8	16.0000	0.0000	3.7500	12.5000	3.5355
TUR	8	6.0000	2.0000	4.5000	1.7143	1.3093
ALK	14	112.0000	92.0000	98.0714	26.6888	5.1659
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	TUR	ALK	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					
TUR	0.220	-0.422	0.986	0.617	1.000				
ALK	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TCOD	14	16.0000	5.0000	10.5714	17.4945	4.1826
TTOC	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	1.8649
NP3P	14	0.0000	0.0000	0.0000	0.0000	0.0000
OPO4	14	0.8000	0.1500	0.3500	0.0296	0.1721
TKP	14	0.8000	0.1500	0.3500	0.0296	0.1721
NO3	14	0.3800	0.0000	0.1236	0.0146	0.1209

CORRELATION MATRIX FOLLOWS:

	TCOD	TTOC	TS	TDS	TVS	TSS	NP3P	OPO4	TKP	NO3
TCOD	1.000									
TTOC	0.519	1.000								
TS	0.773	0.433	1.000							
TDS	0.782	0.442	0.999	1.000						
TVS	0.244	0.011	0.483	0.463	1.000					
TSS	0.445	0.284	0.771	0.747	0.585	1.000				
NP3P	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
OPO4	0.385	-0.132	0.255	0.232	0.572	0.443	1.000	1.000		
TKP	0.385	-0.132	0.255	0.232	0.572	0.443	1.000	1.000	1.000	
NO3	0.262	0.546	0.211	0.217	-0.300	0.209	1.000	-0.120	-0.120	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	14	0.0600	0.0000	0.0064	0.0003	0.0180
TP	14	0.0700	0.0000	0.0071	0.0004	0.0198
PEL	14	0.0650	0.0000	0.0151	0.0005	0.0226
CL	14	52.0000	22.0000	38.6429	93.1703	9.6525
SOM	8	33.0000	27.0000	28.8750	4.9821	2.2321
CHLA	0	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	OP	TP	PEL	CL	SOM	CHLA
OP	1.000					
TP	0.671	1.000				
PEL	0.150	0.111	1.000			
CL	-0.263	-0.090	0.231	1.000		
SOM	-0.104	-0.013	-0.174	0.457	1.000	
CHLA						1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CH	8	0.0000	0.0000	0.0000	0.0000	0.0000
SECP	0	0.0000	0.0000	0.0000	0.0000	0.0000
F	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCCL	0	0.0000	0.0000	0.0000	0.0000	0.0000
FCOL	14	550.0000	0.0000	51.4286	21202.8791	145.6121

CORRELATION MATRIX FOLLOWS:

	CH	SECP	F	TCCL	FCOL
CH	1.000				
SECP		1.000			
F			1.000		
TCCL				1.000	
FCOL	1.000				1.000

PARAMETER	NO. OF SAMP	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	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.3900	0.0000	0.1700	0.0191	0.1380
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
FE	8	0.2700	0.0000	0.1638	0.0113	0.1061
HG	8	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CP	CU	FE	HG
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		-0.242	0.172	-0.124	1.000	-1.000		
FE	0.367	0.043		0.063	0.315	-0.409	1.000	-0.385	1.000	
HG	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	8	2.3700	1.9500	2.2063	0.0204	0.1427
MG	14	9.1000	6.8000	7.7000	0.5084	0.7130
MN	8	0.3600	0.0000	0.1463	0.0194	0.1393
NA	8	28.2000	25.2000	27.1250	14.4459	3.8007
NI	8	0.0600	0.0000	0.0225	0.0005	0.0231
PB	8	0.2400	0.0000	0.0863	0.0002	0.0005
SB	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
ZN	14	0.0430	0.0000	0.0109	0.0002	0.0139

CORRELATION MATRIX FOLLOWS:

	K	MG	MN	NA	NI	PB	SB	SI	V	ZN
K	1.000									
MG	-0.175	1.000								
MN	0.072	-0.435	1.000							
NA	0.410	0.584	-0.676	1.000						
NI	-0.436	0.565	-0.342	0.736	1.000					
PB	-0.251	0.215	-0.215	-0.095	-0.300	1.000				
SB							1.000			
SI	0.286	-0.387	0.775	-0.541	-0.100	0.017		1.000		
V									1.000	
ZN	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 SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
TCOD	32	46.0000	5.0000	12.3125	49.1895	7.0135
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TS	32	530.0000	237.0000	317.3438	4500.1683	67.0833
TDS	32	525.0000	130.0000	309.0625	4208.2540	64.8711
TVS	0	0.0000	0.0000	0.0000	0.0000	0.0000
TSS	32	163.0000	0.0000	17.8125	1393.5444	37.3302
NH3N	18	0.3000	0.0000	0.0778	0.0065	0.0808
ORGN	18	1.0500	0.2500	0.5944	0.0370	0.1924
TKN	32	1.4000	0.3700	0.8138	0.0553	0.2351
NO3N	32	0.4000	0.0200	0.1728	0.0109	0.1042

CORRELATION MATRIX FOLLOWS:

	TCOD	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
TCOD	1.000									
TTOC		1.000								
TS	0.134		1.000							
TDS	-0.278		0.942	1.000						
TVS					1.000					
TSS	0.729		0.328	-0.234		1.000				
NH3N	-0.305		-0.231	-0.235		-0.045	1.000			
ORGN	0.533		0.401	0.064		0.644	-0.273	1.000		
TKN	0.347		0.006	-0.230		0.417	-0.111	0.921	1.000	
NO3N	0.511		0.306	-0.027		0.607	-0.343	0.457	0.116	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	32	8.9000	7.8000	8.4063	0.1839	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	5.0000	80.8500	411.8184	20.2933
CP	0	0.0000	0.0000	0.0000	0.0000	0.0000
FDO	30	13.8000	10.4000	12.0900	0.7909	0.8937
TDOP	24	4.0000	1.0000	2.8750	0.4620	0.6797

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	CP	FDO	TDOP
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			
CP							1.000		
FDO	0.514	0.160	-0.131		-0.117	0.434		1.000	
TDOP	-0.054	0.661	0.390		-0.077	-0.031		0.122	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CN	32	0.0800	0.0000	0.0081	0.0004	0.0209
CP	32	0.0100	0.0200	0.1513	0.0429	0.2070
PHE	0	0.0000	0.0000	0.0000	0.0000	0.0000
CL	20	49.0000	24.0000	37.4000	74.7789	8.6475
SO4	8	39.0000	34.0000	37.6250	3.9821	1.9955
CHLA	24	45.0000	2.0000	18.8750	137.4015	11.7259

CORRELATION MATRIX FOLLOWS:

	CN	CP	PHE	CL	SO4	CHLA
CN	1.000					
CP	0.337	1.000				
PHE			1.000			
CL	0.090	-0.333		1.000		
SO4	0.076	0.430		0.581	1.000	
CHLA	0.515	-0.009		0.202		1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CU	8	0.0000	0.0000	0.0000	0.0000	0.0000
SECC	0	0.0000	0.0000	0.0000	0.0000	0.0000
F	8	0.1000	0.1000	0.1000	0.0000	0.0000
TCOL	8	430.0000	10.0000	160.0000	16421.7143	128.1172
FCOL	8	5.0000	0.0000	1.3750	3.9821	1.9955

CORRELATION MATRIX FOLLOWS:

	CU	SECC	F	TCOL	FCOL
CU	1.000				
SECC		1.000			
F	1.000		1.000		
TCOL	1.000		1.000	1.000	
FCOL	1.000		1.000	0.600	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	8	0.0800	0.0000	0.0138	0.0008	0.0288
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	0.0510	0.0000	0.0109	0.0004	0.0205
CD	8	0.0110	0.0000	0.0031	0.0000	0.0045
CR	8	0.0300	0.0000	0.0038	0.0001	0.0106
CU	8	0.0900	0.0100	0.0388	0.0007	0.0264
FE	8	0.1000	0.0000	0.0338	0.0018	0.0424
HG	8	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	1.9900	1.5300	1.6650	0.0234	0.1529
MG	8	9.4000	8.2000	8.6625	0.2084	0.4565
MN	8	0.0400	0.0000	0.0150	0.0003	0.0169
NA	8	26.4000	18.4000	22.2250	5.8450	2.4176
NI	8	0.0700	0.0000	0.0088	0.0006	0.0247
PB	8	0.0700	0.0000	0.0213	0.0009	0.0304
SE	0	0.0000	0.0000	0.0000	0.0000	0.0000
SI	32	3.0000	0.0000	0.2913	0.6603	0.8126
V	8	0.3000	0.0000	0.0750	0.0193	0.1389
ZN	8	0.6380	0.0000	0.1226	0.0470	0.2167

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	CU	FE	MG
AG	1.000									
AL		1.000								
AS			1.000							
BA				1.000						
BE		-0.028			1.000					
CD		0.239			-0.422	1.000				
CR		-0.193			-0.214	0.340	1.000			
CU		0.157			0.436	0.074	0.020	1.000		
FE		-0.435			-0.482	0.560	0.345	-0.110	1.000	
MG		1.000			1.000	1.000	1.000	1.000	1.000	1.000
K		0.044			0.382	-0.100	-0.357	-0.571	-0.186	1.000
MN		-0.314			0.430	-0.402	-0.400	0.327	-0.470	1.000
NA		0.250			-0.007	-0.047	0.359	-0.112	0.240	1.000
NI		-0.055			-0.167	0.305	-0.630	0.007	0.184	1.000
PB		-0.193			-0.018	0.380	1.000	0.012	0.245	1.000
SE		-0.186			-0.033	0.250	-0.280	-0.610	0.140	1.000
SI										
V		1.000			1.000	1.000	1.000	1.000	1.000	1.000
ZN		-0.205			-0.327	0.227	-0.218	-0.204	0.382	1.000
		-0.224			-0.207	0.624	-0.160	-0.056	0.570	1.000

	AG	AL	AS	BA	BE	CD	CR	CU	FE	MG
F	1.000									
TCOL	-0.007	1.000								
FCOL	-0.055	-0.542	1.000							
MN	0.056	0.405	-0.703	1.000						
NI	-0.357	-0.409	0.359	-0.639	1.000					
PB	0.634	-0.006	-0.375	0.539	-0.260	1.000				
SE							1.000			
SI	1.000	1.000	-1.000	1.000	-1.000	1.000		1.000		
V	0.182	0.371	-0.588	0.555	-0.210	0.270		1.000	1.000	
ZN	0.407	0.016	-0.398	0.631	-0.160	0.634		1.000	0.798	1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	38	9.1000	7.5000	8.4947	0.1302	0.3609
T	36	100.4000	41.5000	67.0500	154.9734	12.4488
SPC	32	490.0000	200.0000	294.0625	3805.5484	61.6891
COL	0	0.0000	0.0000	0.0000	0.0000	0.0000
TUP	32	9.4000	0.0000	4.8125	6.2853	2.5072
ALK	14	53.0000	22.0000	35.3571	9.7802	2.9511
TP	0	0.0000	0.0000	0.0000	0.0000	0.0000
FDC	38	11.3000	7.2000	9.0921	0.7859	0.8871
TPOD	38	3.0000	0.0000	1.2895	0.4275	0.6538
TCOD	38	14.0000	1.0000	5.8947	9.8006	3.1303
TTOC	8	15.0000	6.0000	10.1250	11.6393	3.4699
TS	38	350.0000	200.0000	299.7368	1170.1091	34.2082
TDS	14	290.0000	195.0000	223.2143	1033.8736	32.1541
TVS	14	110.0000	70.0000	91.7857	256.3813	16.0057
TSS	38	22.0000	0.0000	4.3947	20.0832	4.4814
NH3N	16	0.9000	0.0000	0.1688	0.0030	0.0540
ORGN	18	1.1000	0.0000	0.2050	0.1558	0.3947
TKN	38	1.2000	0.0000	0.3292	0.1200	0.3464
NO3N	38	0.2300	0.0000	0.0539	0.0041	0.0639

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TP	FDO	TPOD	TCOD
PH	1.000									
T	0.382	1.000								
SPC	0.339	0.760	1.000							
COL				1.000						
TUP	-0.109	0.466	-0.536		1.000					
ALK	0.217	0.299	-0.296		-0.469	1.000				
TP							1.000			
FDO	-0.175	-0.796	-0.514		-0.352	-0.134		1.000		
TPOD	-0.222	0.134	-0.066		0.157	-0.503		-0.087	1.000	
TCOD	0.283	0.465	0.493		0.276	0.697		-0.365	-0.090	1.000
TTOC	-0.244	0.690	0.667		0.572	-0.069		0.036	-0.035	-0.056
TS	-0.263	0.314	0.707		0.334	-0.089		-0.343	-0.069	0.316
TDS	-0.885	0.506	0.070		0.806	-0.079		-0.792	0.278	-0.076
TVS	0.015	0.549	0.413		0.321	0.116		-0.320	0.295	0.266
TSS	0.063	0.199	0.389		0.606	0.196		-0.157	0.178	0.110
NH3N	0.208	-0.260	-0.251		-0.469	-0.195		0.000	-0.317	0.105
ORGN	-0.234	-0.335	-0.299			-0.077		0.000	-0.304	-0.344
TKN	-0.036	0.062	0.298		0.021	-0.089		-0.044	-0.192	-0.200
NO3N	-0.518	-0.752	-0.509		-0.272	-0.420		0.638	-0.073	-0.181

	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
TTOC	1.000								
TS	0.660	1.000							
TDS	0.660	0.999	1.000						
TVS	0.696	0.291	0.305	1.000					
TSS	-0.039	0.295	-0.291	0.451	1.000				
NH3N	1.000	0.152	-0.259	0.010	0.754	1.000			
ORGN	-0.146	0.010	0.098	-0.530	-0.331	-0.200	1.000		
TKN	-0.191	0.147	0.073	-0.500	-0.083	-0.100	0.911	1.000	
NO3N	0.078	-0.060	0.118	-0.208	-0.179	-0.747	0.220	-0.188	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
CD	38	0.0400	0.0000	0.0071	0.0001	0.0099
ZN	38	0.2900	0.0000	0.0368	0.0020	0.0448
FEL	14	0.0760	0.0000	0.0248	0.0000	0.0206
CL	14	31.0000	27.0000	28.2143	1.4121	1.1884
SO4	14	45.0000	25.0000	29.5714	26.7253	5.1696
PHEA	24	15.0000	0.5000	7.4250	32.1250	5.6817
CN	6	0.0000	0.0000	0.0000	0.0000	0.0000
SPCR	14	0.0000	0.0000	0.0000	0.0000	0.0000
F	6	0.1000	0.1000	0.1000	0.0000	0.0000
TCOL	13	150.0000	0.0000	40.6154	2306.0833	48.0216
FCOL	14	0.0000	0.0000	0.0000	0.0000	0.0000

CORRELATION MATRIX FOLLOWS:

	CD	ZN	FEL	CL	SO4	PHEA	CN	SPCR	F	TCOL
CD	1.000									
ZN	-0.077	1.000								
FEL	0.713	-0.223	1.000							
CL	0.361	-0.315	0.383	1.000						
SO4	-0.026	0.059	0.275	0.116	1.000					
PHEA	0.294	-0.071				1.000				
CN	1.000	1.000	1.000	1.000	1.000		1.000			
SPCR	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	
TCOL	-0.381	-0.163	-0.217	-0.208	-0.139		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

	FCOL
FCOL	1.000

ALL STATIONS (OSW-MO + NMP-BIMO + NMP-MO)
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	0.0564	0.0008	0.0280
AS	0	0.0000	0.0000	0.0000	0.0000	0.0000
BA	8	0.2500	0.0000	0.0413	0.0070	0.0838
BF	8	0.0160	0.0000	0.0043	0.0000	0.0058
CD	8	0.0210	0.0000	0.0060	0.0001	0.0080
CP	14	0.1400	0.0000	0.0407	0.0013	0.0356
CU	8	0.0300	0.0000	0.0128	0.0002	0.0130
FE	8	0.3600	0.0000	0.0713	0.0152	0.1233
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	2.3100	2.2200	2.2650	0.0011	0.0330
MG	14	11.6000	8.2000	9.3914	0.5923	0.7696
MN	8	0.3200	0.0300	0.1375	0.0095	0.0910
NA	13	13.9000	9.0000	11.7923	3.4008	1.8441
NI	8	0.0800	0.0000	0.0413	0.0006	0.0253
PB	8	0.0800	0.0000	0.0100	0.0008	0.0283
SE	7	0.0000	0.0000	0.0000	0.0000	0.0000
SI	24	2.0000	0.0000	0.2500	0.2828	0.5318
V	14	0.5000	0.0000	0.0786	0.0203	0.1424
ZN	14	0.0500	0.0000	0.0121	0.0003	0.0179

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BF	CD	CP	CU	FE	HG
AG	1.000									
AL	1.000	1.000								
AS			1.000							
BA	1.000	-0.223		1.000						
BF	1.000	-0.369		-0.258	1.000					
CD	1.000	0.266		-0.098	-0.348	1.000				
CP	1.000	-0.266		-0.049	-0.470	-0.439	1.000			
CU	1.000	-0.115		0.583	-0.109	0.123	-0.439	1.000		
FE	1.000	-0.388		0.839	-0.076	-0.118	0.294	0.255	1.000	
HG										1.000
K	1.000	-0.261		-0.090	0.134	-0.454	0.463	-0.782	0.189	
MG	1.000	-0.112		-0.162	-0.258	-0.847	0.010	0.081	-0.404	
MN	1.000	0.762		-0.014	0.061	0.686	-0.507	-0.051	-0.145	
NA	1.000	-0.049		0.254	-0.215	0.152	-0.276	-0.430	0.324	
NI	1.000	-0.142		0.558	-0.400	0.401	0.203	0.330	0.451	
PB	1.000	-0.245		-0.188	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	
SI										
V	1.000	1.000		1.000	1.000	1.000	-0.655	1.000	1.000	
ZN	1.000	-0.424		-0.175	0.240	0.039	-0.197	-0.589	0.054	

	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG	-0.178	1.000								
MN	-0.193	-0.408	1.000							
NA	0.381	0.285	0.079	1.000						
NI	-0.300	-0.333	0.059	0.507	1.000					
PB	0.552	0.463	-0.208	-0.144	-0.655	1.000				
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SI								1.000		
V	1.000	-0.000	1.000	-0.705	1.000	1.000	1.000		1.000	
ZN	0.305	-0.468	-0.404	-0.320	0.105	0.355	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	5.0000	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	2.2588
TP	0	0.0000	0.0000	0.0000	0.0000	0.0000
FDO	36	11.7000	7.0000	8.7528	0.8528	0.9235
TBOD	36	6.0000	1.0000	1.6944	1.1325	1.0642
TCOD	27	26.0000	0.0000	11.8519	57.2080	7.5638
TTOC	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	195.0000	222.6923	577.5641	24.0328
TVS	13	110.0000	55.0000	80.7692	195.1923	13.9711
TSS	36	220.0000	0.0000	14.9167	1356.7071	36.8335
NH3N	23	0.2000	0.0000	0.0478	0.0062	0.0790
ORGN	17	1.1500	0.0000	0.2759	0.0712	0.2669
TKN	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	TBOD	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		
TBOD	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
TTOC	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
TVS	-0.526	-0.241		1.000	0.626	-0.014		-0.386	0.145	0.496
TSS	-0.482	0.041	0.148	1.000	0.913	-0.103		-0.237	0.346	0.065
NH3N	-0.053	-0.121	1.000	1.000	-0.235	0.536		-0.295	0.022	-0.550
ORGN	-0.591	0.088	0.071		-0.197	-0.075		-0.146	0.507	-0.018
TKN	-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	0.0686
PFL	13	0.1000	0.0070	0.0495	0.0009	0.0307
CL	13	44.0000	24.0000	35.9231	45.5769	6.7511
SO4	13	38.0000	28.0000	32.6154	13.4231	3.6638
CPLA	23	18.0000	0.6000	6.6609	18.9516	4.3533
CN	7	0.0000	0.0000	0.0000	0.0000	0.0000
SFTR	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	12.0000	586.3077	1716160.8974	1310.0232
FCOL	13	33.0000	0.0000	6.3846	123.0897	11.0948

CORRELATION MATRIX FOLLOWS:

	OP	TP	PFL	CL	SO4	CPLA	CN	SFTR	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				
CN	1.000	1.000	1.000	1.000	1.000		1.000			
SFTR	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	0.868	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	0.0029	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
BE	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	0.0800	0.0000	0.0257	0.0013	0.0355
FE	7	0.2800	0.0200	0.0973	0.0108	0.1041
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	7	1.4900	1.4400	1.4871	0.0004	0.0206
MG	0	0.0000	0.0000	0.0000	0.0000	0.0000
MN	7	0.0300	0.0000	0.0200	0.0001	0.0115
NA	13	18.8000	13.3000	15.9538	5.2610	2.2937
NI	7	0.0800	0.0000	0.0300	0.0010	0.0316
PB	7	0.0000	0.0000	0.0000	0.0000	0.0000
SE	0	0.0000	0.0000	0.0000	0.0000	0.0000
SI	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	BE	CD	CP	CU	FE	HG
AG	1.000									
AL	1.000	1.000								
AS			1.000							
BA	0.596	1.000		1.000						
BE	0.331	1.000		0.187	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	-0.550	-0.229	-0.426	1.000		
FE	0.174	1.000		-0.116	-0.327	-0.468	-0.122	0.338	1.000	
HG										1.000
K	0.122	1.000		-0.367	0.061	0.056	-0.490	0.345	0.553	
MG										
MN	0.303	1.000			0.382	0.279	-0.636	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	
PB	1.000	1.000		1.000	1.000	1.000	1.000	1.000	1.000	
SE										
SI	0.564	1.000		-0.258	-0.258	-0.399	-0.043	-0.494	0.149	
V	-0.331	1.000		-0.187	1.000	-0.258	-0.234	0.550	-0.327	
ZN							0.459			

	AG	AL	AS	BA	BE	CD	CP	CU	FE	HG
	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG		1.000								
MN	0.771		1.000							
NA	-0.147		-0.037	1.000						
NI	0.077		-0.274	0.041	1.000					
PB	1.000		1.000	1.000	1.000	1.000				
SE							1.000			
SI	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					-0.180	1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	38	8.0000	7.8000	8.0421	0.0400	0.2022
T	38	26.0000	14.0000	17.0737	11.7583	10.8609
SPC	32	380.0000	210.0000	286.5000	1479.4194	44.4907
COL	8	5.0000	5.0000	5.0000	0.0000	0.0000
TUP	32	6.0000	1.0000	3.5000	2.0323	1.7033
ALK	14	93.0000	83.0000	87.0357	9.0137	3.1402
TH	8	162.0000	147.0000	155.3750	28.5536	5.3436
FDO	36	9.1000	5.8000	7.7194	0.7028	0.7764
TROD	36	3.0000	0.0000	1.3047	0.4618	0.6794
TCOD	38	55.0000	3.0000	21.1053	147.3000	12.1406
TTOC	6	10.0000	4.0000	6.8750	4.1250	2.0310
TS	38	320.0000	166.0000	215.0737	772.2708	27.7912
TDS	14	320.0000	195.0000	227.5000	1318.2500	36.3080
TVS	14	130.0000	50.0000	75.7143	387.9121	19.6955
TSS	38	8.0000	0.0000	2.3947	2.5607	1.6030
NH3N	24	0.2000	0.0000	0.0250	0.0045	0.0676
OPGN	8	0.5000	0.0500	0.1938	0.0195	0.1400
TKN	38	0.6000	0.0000	0.2724	0.0292	0.1679
NO3N	38	0.3300	0.0000	0.0755	0.0005	0.0225

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TH	FDO	TROD	TCOD
PH	1.000									
T	0.653	1.000								
SPC	0.472	0.698	1.000							
COL	1.000	1.000	1.000	1.000						
TUP	0.747	0.473	0.321	1.000	1.000					
ALK	-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	-0.188	0.622	1.000		
TROD	0.289	0.370	0.283	1.000	0.239	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
TTOC		-0.269	-0.380	1.000	-0.266	0.343	0.178	-0.525	0.342	-0.170
TS	0.067	-0.219	0.223	1.000	0.104	-0.267	0.475	0.371	0.129	-0.288
TDS	0.694	0.109	0.868	1.000	0.120	-0.267	0.475	0.078	0.236	-0.510
TVS	0.562	-0.005	0.753	1.000	-0.251	-0.241	0.231	-0.087	0.301	-0.490
TSS	0.273	0.412	0.623	1.000	0.401	0.078	0.419	-0.165	0.176	-0.252
NH3N	-0.230	0.320	0.421	1.000	1.000	0.258	1.000	0.151	-0.194	-0.283
OPGN	-0.048	-0.437	-0.870	1.000	-0.303	0.053	0.424	0.338	-0.093	0.055
TKN	0.505	0.336	0.002	1.000	0.470	-0.059	0.424	-0.157	0.098	-0.310
NO3N	-0.851	-0.675	-0.412	1.000	-0.636	0.745	0.499	0.553	-0.178	-0.231

	TTOC	TS	TDS	TVS	TSS	NH3N	OPGN	TKN	NO3N
TTOC	1.000								
TS	-0.123	1.000							
TDS	-0.123	1.000	1.000						
TVS	-0.396	0.898	0.898	1.000					
TSS	-0.418	-0.042	0.387	0.402	1.000				
NH3N	1.000	0.503	0.575	0.306	0.355	1.000			
OPGN	-0.506	0.309	0.309	0.874	-0.634	1.000	1.000		
TKN	-0.506	-0.341	-0.414	-0.120	-0.050	-0.555	1.000	1.000	
NO3N	0.182	0.139	-0.497	-0.396	-0.276	0.185	0.344	-0.488	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	38	0.0600	0.0000	0.0092	0.0001	0.0106
TP	38	0.2700	0.0000	0.0305	0.0019	0.0436
PPL	14	0.0000	0.0000	0.0000	0.0000	0.0000
CL	14	70.0000	20.0000	30.5714	204.5714	14.3009
SO4	14	39.0000	25.0000	30.0143	17.2582	4.1543
CPIA	24	14.5000	0.0000	3.8250	19.9420	4.3502
CN	8	0.0000	0.0000	0.0000	0.0000	0.0000
SFTP	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	2987.0000	24.0000	520.0143	1033387.4671	1015.8500
FCOL	14	95.0000	0.0000	24.3571	1226.7355	35.0244

CORRELATION MATRIX FOLLOWS:

	OP	TP	PPL	CL	SO4	CPIA	CN	SFTP	F	TCOL
OP	1.000									
TP	0.130	1.000								
PPL	1.000	1.000	1.000							
CL	-0.284	-0.368	1.000	1.000						
SO4	-0.138	-0.541	1.000	0.600	1.000					
CPIA	-0.295	-0.206				1.000				
CN	1.000	1.000	1.000	1.000	1.000		1.000			
SFTP	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	
TCOL	-0.245	-0.243	1.000	0.348	0.000		1.000	1.000	1.000	1.000
FCOL	-0.199	-0.367	1.000	0.514	0.435		1.000	1.000	1.000	0.643

FCOL

K 1.000

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

PARAMETER	NO. OF SAMP	MAX	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	0.0070	0.0134	0.0000	0.0063
CD	8	0.0670	0.0000	0.0109	0.0006	0.0237
CR	14	0.2300	0.0000	0.0036	0.0063	0.0791
CU	8	0.0900	0.0000	0.0263	0.0000	0.0297
FE	8	0.3300	0.0000	0.0875	0.0169	0.1301
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	8	1.8800	1.7700	1.8288	0.0012	0.0349
MG	6	9.0000	8.0700	8.4900	0.1304	0.3611
MN	8	0.1000	0.0000	0.0375	0.0013	0.0365
NA	14	19.0400	9.5400	12.5286	8.4282	2.9031
NI	8	0.2000	0.0000	0.0625	0.0069	0.0829
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	32	7.0000	0.0000	2.1250	5.7903	2.4063
V	0	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	14	0.0490	0.0090	0.0194	0.0002	0.0132

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
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	0.000	0.376	1.000			
CU	0.355		1.000	1.000	-0.153	0.392	-0.099	1.000		
FE	0.747		1.000	1.000	-0.590	0.671	0.057	0.270	1.000	
HG										1.000
K	-0.539		1.000	1.000	0.186	-0.363	0.477	0.298	-0.430	
MG							-0.699			
MN	-0.324		1.000	1.000	-0.127	-0.406	-0.391	-0.483	-0.473	
NA	-0.068		1.000	1.000	0.602	0.115	0.146	0.014	-0.299	
NI	-0.118		1.000	1.000	-0.214	-0.007	0.569	-0.175	0.082	
PB										
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	-0.209	-0.408	-0.225	-0.364	
V										
ZN	-0.456		1.000	1.000	0.694	-0.393	-0.372	0.357	-0.515	

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG		1.000								
MN	0.042		1.000							
NA	0.184	0.981	-0.493	1.000						
NI	0.135		-0.493	0.131	1.000					
PB						1.000				
SE	1.000		1.000	1.000	1.000		1.000			
SI	0.197		0.337	-0.411	-0.390		1.000	1.000		
V									1.000	
ZN	0.469	0.280	-0.040	-0.136	-0.378		1.000	0.576		1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	38	8.5000	7.8000	8.2132	0.0255	0.1597
T	36	76.3000	46.9000	54.4167	42.4190	6.5129
SPC	12	280.0000	220.0000	256.6667	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	3.5580
ALK	14	97.0000	84.0000	91.0000	17.6923	4.2062
TP	6	138.0000	131.0000	134.1667	6.5667	2.5626
FDO	36	10.7000	8.0000	8.5611	0.3664	0.6053
TBOD	38	5.0000	0.0000	1.7105	0.8589	0.9273
TCOD	35	60.0000	2.0000	19.8857	179.6924	13.4049
TTOC	7	7.0000	4.0000	5.0000	1.3333	1.1547
TS	38	400.0000	200.0000	232.1053	2946.7994	54.2844
TDS	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
NH3N	36	0.2000	0.0000	0.0472	0.0043	0.0654
ORGN	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	0.0847	0.0060	0.0778

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TP	FDO	TBOD	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			
FDO	0.232	0.363	0.150	1.000	-0.459	-0.593	-0.520	1.000		
TBOD	-0.156	-0.193	-0.129	1.000	-0.252	0.206	0.017	0.348	1.000	
TCOD	0.416	0.401	-0.162	1.000	-0.217	0.017	-0.015	0.026	0.096	1.000
TTOC	-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	-0.541	0.779	-0.858	-0.321	0.120	-0.080
TDS	-0.598	-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	-0.869	0.719	-0.538	-0.386	-0.054	-0.256
NH3N	-0.631	-0.231	-0.650	1.000	-0.091	0.187	0.733	-0.337	0.198	0.109
ORGN										
TKN	-0.454	-0.172	-0.212	1.000	-0.129	-0.354	0.033	-0.100	0.381	-0.188
NO3N	-0.824	-0.645	-0.448	1.000	-0.248	-0.727	-0.569	-0.444	-0.016	-0.320

	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
TTOC	1.000								
TS	0.418	1.000							
TDS	0.261	0.993	1.000						
TVS	0.277	0.563	0.551	1.000					
TSS	-0.227	0.401	0.503	0.419	1.000				
NH3N	0.800	0.540	0.406	0.744	0.256	1.000			
ORGN							1.000		
TKN	-0.027	-0.061	-0.006	-0.134	0.197	0.363		1.000	
NO3N	0.371	0.721	0.668	0.067	0.323	0.403		-0.026	1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	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	28.0000	46.7857	718.9505	26.8133
SO4	14	46.0000	23.0000	31.0000	51.0769	7.1468
CHLA	24	6.0000	0.6000	2.7867	2.5458	1.5956
CH	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	SO4	CHLA	CH	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						
SO4	0.722	0.337	-0.201	0.953	1.000					
CHLA	0.233	0.264				1.000				
CH	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		
F	-	-	-	-	-		1.000	1.000	1.000	
TCOL	0.633	0.363	-0.101	0.836	0.881		1.000	1.000		1.000
FCOL	0.391	0.163	-0.119	0.630	0.722		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 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	0.0060	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
CR	7	0.0400	0.0000	0.0057	0.0002	0.0151
CU	7	0.0600	0.0000	0.0286	0.0005	0.0219
PE	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
MN	7	0.0200	0.0000	0.0043	0.0001	0.0079
NA	7	22.3000	19.8000	20.4714	0.5924	0.8321
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
ZN	7	0.0770	0.0120	0.0464	0.0005	0.0232

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	CU	PE	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				
CR	1.000		1.000		0.804	-0.187	1.000			
CU	1.000		1.000		0.644	-0.029	0.832	1.000		
PE	1.000		1.000		-0.736	-0.228	-0.548	-0.566	1.000	
HG										1.000
K	1.000		-1.000		0.815	-0.103	0.688	0.612	-0.790	
MG										
MN	1.000		1.000		0.015	-0.240	0.320	-0.248	0.439	
NA	1.000		-1.000		0.266	0.015	-0.144	0.244	-0.313	
NI										
PB										
SE	1.000				1.000	1.000	1.000	1.000	1.000	
SI										
V										
ZN	1.000		-1.000		0.585	-0.103	0.352	0.400	-0.645	

	AG	AL	AS	BA	BE	CD	CR	CU	PE	HG
	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG		1.000								
MN	0.025		1.000							
NA	-0.424		-0.207	1.000						
NI					1.000					
PB						1.000				
SE	1.000		1.000	1.000			1.000			
SI								1.000		
V									1.000	
ZN	0.562		-0.458	-0.180			1.000			1.000

PLOT DATA?

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	36	8.2000	6.6000	7.6306	0.3233	0.5686
T	36	50.4000	41.9000	45.1444	3.1951	1.7875
SPC	31	490.0000	220.0000	256.1290	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
ALK	14	170.0000	73.0000	94.5714	162.1099	12.9657
TH	0	0.0000	0.0000	0.0000	0.0000	0.0000
FDO	36	11.8000	9.4000	10.6056	0.2634	0.5132
TBOD	36	3.0000	1.0000	2.2778	0.2635	0.5133
TCOD	34	65.0000	3.0000	10.7647	124.1551	11.1446
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TS	36	520.0000	195.0000	264.8611	4993.5516	70.6651
TDS	14	520.0000	220.0000	295.7143	7310.6813	85.5493
TVS	14	175.0000	65.0000	104.2857	899.4505	29.9908
TSS	36	260.0000	0.0000	13.6111	1878.4159	43.3407
NH3N	27	0.2000	0.0000	0.0444	0.0049	0.0698
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
TKN	19	1.1200	0.0000	0.2600	0.0534	0.2311
NO3N	36	0.3900	0.1400	0.2286	0.0030	0.0552

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUR	ALK	TH	FDO	TBOD	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					
ALK	-0.146	-0.319	0.022	1.000	1.000	1.000				
TH							1.000			
FDO	-0.455	-0.213	0.185	1.000	-0.027	-0.253		1.000		
TBOD	-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	-0.078		0.124	0.433	0.234
TVS	-0.052	0.026	0.922	1.000	1.000	-0.032		0.122	0.568	0.261
TSS	0.223	-0.287	-0.005	1.000	0.974	-0.355		-0.006	-0.049	0.809
NH3N	-0.213	-0.020	0.680	1.000	-0.064	-0.359		0.117	0.229	-0.094
ORGN										
TKN	-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	0.397	-0.030

	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
TTOC	1.000								
TS		1.000							
TDS		0.999	1.000						
TVS		0.912	0.909	1.000					
TSS		0.406	0.697	0.681	1.000				
NH3N		0.805	0.889	0.665	-0.095	1.000			
ORGN							1.000		
TKN		0.550	0.462	0.594	0.213	0.354		1.000	
NO3N		0.640	0.740	0.562	0.007	0.188		0.287	1.000

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	36	0.0900	0.0000	0.0228	0.0004	0.0195
TP	36	0.1700	0.0200	0.0528	0.0011	0.0326
PHL	14	0.0000	0.0000	0.0000	0.0000	0.0000
CL	14	126.0000	32.0000	51.9286	747.1484	27.3340
SO4	14	48.0000	23.0000	30.4286	61.3407	7.8320
CHLA	22	3.3000	0.6000	1.2318	0.7642	0.8742
CH	0	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	14	0.0000	0.0000	0.0000	0.0000	0.0000
F	0	0.0000	0.0000	0.0000	0.0000	0.0000
TCOL	14	1310.0000	18.0000	402.5000	216230.5769	465.0060
FCOL	14	69.0000	0.0000	13.4286	508.7253	22.5560

CORRELATION MATRIX FOLLOWS:

	OP	TP	PHL	CL	SO4	CHLA	CH	SETR	F	TCOL
OP	1.000									
TP	0.482	1.000								
PHL	1.000	1.000	1.000							
CL	0.977	0.904	1.000	1.000						
SO4	0.971	0.925	1.000	0.960	1.000					
CHLA	-0.086	0.060				1.000				
CH							1.000			
SETR	1.000	1.000	1.000	1.000	1.000			1.000		
F									1.000	
TCOL	0.911	0.903	1.000	0.926	0.927			1.000		1.000
FCOL	0.186	0.371	1.000	0.251	0.241			1.000		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	0.0048
CR	8	0.0000	0.0000	0.0000	0.0000	0.0000
CU	8	0.0400	0.0000	0.0263	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	2.1600	2.3175	0.0102	0.1010
MG	8	8.2200	8.0000	8.1300	0.0074	0.0862
MN	8	0.0200	0.0000	0.0075	0.0001	0.0089
NA	8	9.4900	8.7500	9.1125	0.0643	0.2536
NI	8	0.0900	0.0000	0.0113	0.0010	0.0318
PB	8	0.0700	0.0000	0.0150	0.0008	0.0283
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	8	0.0000	0.0000	0.0000	0.0000	0.0000
ZN	8	0.5080	0.0070	0.0991	0.0306	0.1748

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	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				
CR	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	0.953	1.000	0.149	1.000	
HG										1.000
K	1.000	1.000	1.000		1.000	-0.277	1.000	-0.204	0.668	
MG	1.000	1.000	1.000		1.000	-0.037	1.000	-0.191	0.157	
MN	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	
PB	1.000	1.000	1.000		1.000	0.057	1.000	-0.291	0.484	
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	
ZN	1.000	1.000	1.000		1.000	0.835	1.000	0.402	0.557	

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG	0.345	1.000								
MN	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					
PB	-0.015	-0.117	0.285	0.285	0.796	1.000				
SE	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
SI								1.000		
V	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.000	
ZN	0.389	0.227	0.286	-0.245	0.175	0.026	1.000		1.000	1.000

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

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	30	8.0000	7.5000	7.8533	0.0221	0.1487
T	28	66.2000	40.5000	44.2893	20.0143	4.4737
SPC	24	260.0000	210.0000	232.0833	191.1232	13.8247
COL	4	45.0000	5.0000	15.0000	400.0000	20.0000
TUR	28	16.0000	0.0000	1.2500	10.0463	3.1696
ALK	6	92.0000	87.0000	89.5000	4.2000	2.1679
TH	0	0.0000	0.0000	0.0000	0.0000	0.0000
FDO	28	12.8000	9.2000	10.9750	0.9605	0.9800
TROD	30	4.0000	1.0000	2.2000	0.3724	0.6103
TCOD	29	25.0000	0.0000	8.7586	44.5468	6.6743
TTOC	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	228.3333	256.6667	16.0208
TVS	6	75.0000	50.0000	67.5000	137.5000	11.7260
TSS	30	75.0000	0.0000	6.4333	188.1161	13.7155
NH3N	30	0.1000	0.0000	0.0100	0.0009	0.0305
ORGN	0	0.0000	0.0000	0.0000	0.0000	0.0000
TKN	0	0.0000	0.0000	0.0000	0.0000	0.0000
NO3N	30	0.4100	0.2400	0.3173	0.0017	0.0409

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUR	ALK	TH	FDO	TROD	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			
FDO	-0.471	0.293	0.457	-1.000	0.201	0.039		1.000		
TROD	-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	0.281	-0.946		-0.351	-0.163	-0.074
NH3N	-0.494	-0.173	-0.186	1.000	0.601	-0.893		0.050	0.074	-0.126
ORGN										
TKN										
NO3N	-0.597	-0.149	-0.240	0.577	0.438	-0.632		0.131	0.229	-0.094

	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
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				
NH3N		0.229	0.081	0.495	0.014	1.000			
ORGN							1.000		
TKN								1.000	
NO3N		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
PHL	6	0.0200	0.0000	0.0045	0.0001	0.0081
CL	6	42.0000	32.0000	38.6667	26.6667	5.1640
SO4	6	32.0000	24.0000	27.8333	8.5667	2.9269
CHLA	24	5.5000	0.0000	1.4083	1.9625	1.4009
CM	0	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	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	2.0000	51.1667	3002.9667	54.7993
FCOL	6	66.0000	0.0000	18.8333	707.7667	26.6039

CORRELATION MATRIX FOLLOWS:

	OP	TP	PHL	CL	SO4	CHLA	CM	SETR	F	TCOL
OP	1.000									
TP	-0.300	1.000								
PHL	1.000	0.359	1.000							
CL	1.000	0.433	0.096	1.000						
SO4	1.000	0.458	-0.030	0.882	1.000					
CHLA	0.191	0.132				1.000				
CM							1.000			
SETR	1.000	1.000	1.000	1.000	1.000			1.000		
F									1.000	
TCOL	1.000	0.229	-0.312	-0.620	-0.580			1.000		1.000
FCOL	1.000	-0.471	-0.025	-0.922	-0.853			1.000		0.448

	FCOL
FCOL	1.000

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

PARAMETER	NO. OF SAMP	MAX	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	0.0002	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
HG	0	0.0000	0.0000	0.0000	0.0000	0.0000
K	4	2.3400	1.7200	1.9175	0.0838	0.2894
MG	4	8.0000	7.8000	7.8750	0.0092	0.0957
MN	4	0.1800	0.0300	0.1075	0.0038	0.0618
NA	4	31.6000	27.9000	29.7750	2.5225	1.5882
NI	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
ZN	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				1.000					
CD	1.000				1.000	1.000				
CR	0.988				1.000	1.000	1.000			
CU	0.359				1.000	1.000	0.132	1.000		
FE	0.995				1.000	1.000	0.690	-0.465	1.000	
HG										1.000
K	0.992				1.000	1.000	0.900	0.426	0.308	
MG	-0.359				1.000	1.000	0.059	-0.945	0.702	
MN	-0.041				1.000	1.000	0.081	0.739	-0.049	
NA	-0.014				1.000	1.000	-0.066	-0.852	0.194	
NI	1.000				1.000	1.000	0.500	-0.945	0.995	
PB										
SE	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	
ZN	0.308				1.000	1.000	0.192	0.983	-0.332	

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG
	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG	-0.328	1.000								
MN	0.095	-0.521	1.000							
NA	-0.164	0.674	-0.982	1.000						
NI	0.044	0.945	-0.891	0.977	1.000					
PB						1.000				
SE	1.000	1.000	1.000	1.000	1.000		1.000			
SI								1.000		
V	1.000	1.000	1.000	1.000	1.000		1.000		1.000	
ZN	0.420	-0.872	0.841	-0.924	-0.969		1.000		1.000	1.000

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	40.0000	60.4114	166.9527	12.9213
SPC	102	450.0000	80.0000	289.5294	3447.5189	58.7156
COL	16	10.0000	5.0000	6.5625	5.7292	2.3936
TUR	104	22.0000	0.0000	3.2500	8.7662	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
FDO	110	13.0000	7.1000	9.7873	2.0229	1.4216
TBOD	111	6.0000	0.0000	1.9820	0.9088	0.9533
TCOD	111	60.0000	0.0000	12.6486	112.0118	10.5836
TTOC	10	10.0000	1.0000	5.7000	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	0.0425	0.0103	0.1013
ORGN	28	0.6500	0.0000	0.2596	0.0428	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	FDO	TBOD	TCOD
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	-0.035	1.000			
FDO	-0.208	-0.474	-0.099	0.433	0.107	0.485	-0.918	1.000		
TBOD	-0.026	-0.055	-0.018	-0.177	0.175	0.353	-0.042	0.465	1.000	
TCOD	0.067	0.180	-0.061	-0.285	-0.027	0.208	0.196	-0.232	0.061	1.000
TTOC	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
ORGN	-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

	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
TTOC	1.000								
TS	-0.490	1.000							
TDS	-0.459	0.991	1.000						
TVS	-0.001	0.275	0.293	1.000					
TSS	-0.104	0.192	-0.107	0.010	1.000				
NH3N	-0.352	0.145	0.042	0.288	0.134	1.000			
ORGN	-0.875	0.529	0.579	-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	0.389	-0.156	0.488	-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	0.0500	0.0000	0.0082	0.0001	0.0136
TP	116	0.5700	0.0000	0.0459	0.0046	0.0675
PHL	30	0.0940	0.0000	0.0212	0.0009	0.0297
CL	38	85.0000	26.0000	41.5789	253.6828	15.8330
SO4	30	47.0000	23.0000	31.5000	36.1897	6.0158
CHLA	84	29.0000	0.0000	5.5440	32.9941	5.7440
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	0.1230	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			
SETR	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	
TCOL	0.169	0.157	0.058	0.307	0.128		1.000	1.000	0.032	1.000
FCOL	0.367	0.301	-0.058	0.683	0.336		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	0.1038	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	0.0427	0.0098	0.0990
CU	20	0.3600	0.0000	0.0770	0.0146	0.1207
FE	20	1.0000	0.0000	0.1656	0.0500	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	-0.163	-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	0.369	-0.230	-0.152	1.000		
FE	0.278	-0.119	1.000	0.489	0.363	-0.054	0.003	0.436	1.000	
HG	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	-0.642	0.681	1.000	0.675	0.010	-0.165	-0.038	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	0.606	0.294	0.070	0.808	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	
SI	0.632	-0.316	1.000	0.699	-0.300	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	-0.285	-0.465	0.199	0.294	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	0.099	-0.248	0.332		0.499	1.000	-0.333	1.000	
ZN	-0.108	0.310	-0.236	0.354	-0.296	0.295	1.000	-0.219	0.476	1.000

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.
PH	54	8.9000	6.6000	8.1204	0.1730	0.4159
T	57	79.8000	41.5000	57.0000	153.7243	12.3986
SPC	51	370.0000	210.0000	284.7647	2362.8235	48.6089
COL	8	10.0000	0.0000	5.6250	10.2679	3.2043
TUR	51	37.0000	0.0000	5.5941	45.2370	6.7258
ALK	19	100.0000	6.0000	86.4737	454.0409	21.3082
TH	5	155.0000	136.0000	146.4000	70.3000	8.3845
FDO	55	13.4000	6.4000	9.6618	2.8283	1.6818
TBOD	55	4.0000	1.0000	1.7455	0.6747	0.8214
TCOD	56	50.0000	0.0000	13.9821	127.8724	11.3091
TTOC	5	9.0000	3.0000	5.2000	5.7000	2.3875
TS	57	452.0000	190.0000	253.5614	4223.6792	64.9898
TDS	22	370.0000	130.0000	256.8182	3734.6320	61.1116
TVS	15	125.0000	55.0000	89.0000	397.1429	19.9284
TSS	57	220.0000	1.0000	18.5088	1525.4330	39.0175
NH3N	40	0.7000	0.0000	0.0600	0.0159	0.1257
ORGN	15	1.1500	0.0000	0.5007	0.1631	0.4038
TKN	46	1.3500	0.0000	0.5270	0.1509	0.3883
NO3N	57	0.4500	0.0000	0.1461	0.0162	0.1274

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUR	ALK	TH	FDO	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					
ALK	-0.103	-0.017	0.290	-0.599	-0.735	1.000				
TH	0.122	0.243	-0.569	-0.098	-0.871	0.157	1.000			
FDO	-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	0.461	-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	-0.079
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	-0.389	-0.209
TSS	-0.047	-0.077	-0.040	-0.019	-0.860	-0.533	-0.671	-0.090	-0.582	-0.195
NH3N	-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	-0.528	-0.690	-0.074

	TTOC	TS	TDS	TVS	TSS	NH3N	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				
NH3N	-0.650	0.334	0.112	0.323	0.179	1.000			
ORGN	-0.999	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	0.420	0.462	0.541	-0.058	0.610	0.427	1.000

PARAMETER	NO. OF SAMP	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	0.0358
CL	19	85.0000	26.0000	30.7368	271.0936	16.4649
SO4	15	47.0000	23.0000	33.4000	50.8857	7.1194
CHLA	41	37.0000	0.0000	6.1854	64.1848	8.0115
CN	6	0.0000	0.0000	0.0000	0.0000	0.0000
SETR	10	4.0000	0.0000	0.4000	1.6000	1.2649
F	5	0.2000	0.1000	0.1200	0.0020	0.0447
TCOL	12	4000.0000	0.0000	754.1667	2288347.9697	1517.7287
FCOL	13	95.0000	0.0000	11.0000	684.5000	25.7779

CORRELATION MATRIX FOLLOWS:

	OP	TP	PRL	CL	SO4	CHLA	CN	SETR	F	TCOL
OP	1.000									
TP	0.509	1.000								
PRL	-0.247	0.578	1.000							
CL	0.565	-0.178	0.153	1.000						
SO4	0.279	-0.023	-0.143	0.061	1.000					
CHLA	0.704	0.735		-0.654		1.000				
CN	1.000	1.000	1.000	1.000	1.000		1.000			
SETR	-0.102	0.381	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	-0.208	0.152	0.521	0.172	0.039		1.000	0.663	-0.424	1.000
FCOL	-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	0.0002	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
CR	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
HG	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	9.2200	6.6700	7.1830	0.4533	0.6733
MN	7	0.2000	0.0000	0.0429	0.0051	0.0713
NA	13	27.4000	8.9500	15.2308	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
ZN	13	0.1100	0.0000	0.0258	0.0009	0.0293

CORRELATION MATRIX FOLLOWS:

	AG	AL	AS	BA	BE	CD	CR	CU	PE	HG
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	0.058	1.000				
CR	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	-0.181	-0.392	-0.206	0.569	1.000	
HG	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	0.185	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	0.096	1.000
MN	-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	0.122	-0.241	1.000
NI	0.970	-0.147	1.000	-0.349	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	
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	0.711	1.000	1.000	1.000
ZN	-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	PE	HG
	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG	0.290	1.000								
MN	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		
V	1.000	0.208	1.000	-0.402	1.000	1.000	1.000	1.000	1.000	
ZN	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)
DEPTHS 40 TO 50 FEET ALL YEAR 1973

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
PH	16	8.8000	6.8000	7.9625	0.3118	0.5584
T	15	74.0000	49.0000	61.6267	126.6952	11.2560
SPC	12	490.0000	220.0000	298.0000	5630.3636	75.0800
COL	6	10.0000	5.0000	6.2500	5.3571	2.3146
TUP	10	14.0000	0.0000	4.4000	15.7555	3.9695
ALK	16	125.0000	78.0000	90.1250	55.4500	7.4465
TH	4	175.0000	135.0000	155.2500	240.2500	15.5000
PDO	13	12.0000	2.0000	5.6615	2.0242	1.4228
TBOD	14	3.0000	0.0000	1.3571	0.7088	0.8419
TCOD	14	26.0000	1.0000	9.7143	43.9121	6.6266
TSS	4	34.0000	0.0000	5.7500	21.5833	4.6452
TS	16	520.0000	175.0000	264.0375	6597.3958	81.2344
TDS	16	520.0000	135.0000	240.0625	6954.0625	83.3803
TVS	15	175.0000	30.0000	80.6667	1429.0952	37.7901
TSS	16	40.0000	0.0000	7.1875	113.4292	10.6033
NH3N	12	0.2000	0.0000	0.0500	0.0064	0.0798
ORGN	8	1.1000	0.1000	0.5000	0.1250	0.3536
TKN	13	1.2000	0.0000	0.5554	0.1854	0.4319
NO3N	16	0.3900	0.0000	0.1575	0.0145	0.1205

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUP	ALK	TH	PDO	TBOD	TCOD
PH	1.000									
T	0.635	1.000								
SPC	-0.332	-0.184	1.000							
COL	-0.276	-0.354	0.524	1.000						
TUP	-0.306	0.709	0.782	-0.005	1.000					
ALK	-0.302	-0.550	0.407	0.565	-0.375	1.000				
TH	-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		
TBOD	-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	-0.029	0.509	1.000
TTOC	-0.325	-0.033	0.204	1.000	-0.389	0.219	1.000	-0.765	0.629	0.194
TS	-0.316	-0.276	0.698	-0.241	-0.084	0.552	-0.591	0.500	0.626	0.451
TDS	-0.330	-0.314	0.692	-0.221	-0.297	0.596	-0.568	0.548	0.621	0.470
TVS	-0.262	-0.003	0.440	0.569	-0.214	0.545	-0.571	0.579	0.599	0.361
TSS	-0.117	-0.367	0.698	-0.155	-0.866	0.243	-0.434	-0.433	-0.008	-0.262
NH3N	-0.150	-0.111	-0.334	1.000	-0.316	-0.055	1.000	-0.414	-0.089	-0.028
ORGN	-0.248	-0.133	-0.241		-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

	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N	
TTOC	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					
NH3N	-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	0.248	0.230	0.071	-0.181	-0.180	1.000	

PARAMETER	NO. OF SAMP	MAX	MIN	MEAN	VARIANCE	STD. DEV.
OP	16	0.0900	0.0000	0.0184	0.0007	0.0258
PP	16	0.1700	0.0000	0.0450	0.0018	0.0429
DPO	15	0.0800	0.0000	0.0146	0.0007	0.0257
CL	16	126.0000	26.0000	30.6875	615.3625	24.8266
SO4	15	85.0000	23.0000	30.1333	49.5524	7.0393
CLDA	0	0.0000	0.0000	0.0000	0.0000	0.0000
CA	5	0.0000	0.0000	0.0000	0.0000	0.0000
MG	10	0.0000	0.0000	0.0000	0.0000	0.0000
F	4	0.1000	0.1000	0.1000	0.0000	0.0000
TCOL	13	1310.0000	0.0000	193.4615	221140.2600	340.0521
FCOL	13	27.0000	0.0000	3.6154	52.9231	7.2748

CORRELATION MATRIX FOLLOWS:

	OP	PP	DPO	CL	SO4	CLDA	CA	MG	F	TCOL
OP	1.000									
PP	0.858	1.000								
DPO	0.787	0.672	1.000							
CL	0.648	0.590	0.052	1.000						
SO4	0.714	0.590	0.277	0.886	1.000					
CLDA						1.000				
CA	1.000	1.000	1.000	1.000	1.000		1.000			
MG	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	
TCOL	0.035	0.211	-0.157	-0.054	0.802		1.000	1.000	1.000	1.000
FCOL	0.240	0.330	0.222	0.152	0.059		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 SAMP	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	0.0967	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
MG	10	10.1000	6.5700	8.4050	1.1907	1.0866
MN	6	0.2700	0.0000	0.0667	0.0105	0.1025
NA	12	22.4000	9.0800	14.1208	20.4718	4.5246
NI	9	0.1300	0.0000	0.0322	0.0020	0.0449
PB	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
ZN	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	0.459	-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	0.930	0.204	-0.047	0.168	1.000		
FE	0.343	-0.264	1.000	-0.420	0.071	-0.253	-0.254	0.895	1.000	
HG	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
MG	1.000	0.643	1.000	1.000	-0.073	0.099	-0.044	-0.823	-0.668	1.000
MN	-0.319	-0.176	1.000	0.983	-0.018	0.972	0.983	-0.553	-0.251	1.000
NA	-0.236	-0.270	1.000	0.956	-0.250	0.533	-0.454	-0.087	-0.245	1.000
NI	0.539	-0.106	1.000	-0.245	-0.172	-0.102	0.357	-0.630	-0.091	1.000
PB	-0.333	-0.249	1.000	1.000	-0.309	0.832	-0.240	0.232	-0.280	1.000
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	0.982	1.000	-0.890	-0.414	1.000
V	1.000	-0.200	1.000	1.000	-0.241	1.000	0.789	-0.237	-0.266	1.000
ZN	-0.213	-0.280	1.000	0.959	-0.293	0.050	-0.235	-0.368	-0.309	1.000

	AG	AL	AS	BA	BE	CD	CR	CU	FE	HG

	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
AG	1.000									
AL	-0.073	1.000								
AS	-0.424	-0.521	1.000							
BA	-0.079	-0.070	-0.431	1.000						
BE	-0.355	-0.513	-0.040	-0.053	1.000					
CD	-0.318	-0.453	-0.035	-0.050	-0.044	1.000				
CR	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	1.000			
CU	-0.934	-1.000	-0.906	-0.961	-0.831	-0.911	-0.901	1.000		
FE	-0.490	-0.249	-0.775	-0.825	-0.388	-0.167	-1.000	-0.462	1.000	
HG	-0.199	-0.285	-0.505	-0.668	-0.264	-0.120	-1.000	-0.308	0.346	1.000

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	8.0000	7.8000	8.2105	0.0606	0.2638
T	42	72.0000	41.5000	52.7167	115.3092	10.7382
SPC	38	310.0000	200.0000	245.7105	1136.8599	33.7174
COL	0	0.0000	0.0000	0.0000	0.0000	0.0000
TUR	41	52.0000	0.0000	6.4146	113.6088	10.6607
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	5.8000	9.9214	3.4290	1.8518
TBOD	41	5.0000	1.0000	1.6098	0.6430	0.8024
TCOD	40	65.0000	1.0000	12.4250	155.8917	12.4857
TTOC	0	0.0000	0.0000	0.0000	0.0000	0.0000
TS	41	420.0000	165.0000	231.7561	1842.8890	42.9289
TDS	6	355.0000	230.0000	267.0000	2044.0000	45.2108
TVS	0	0.0000	0.0000	0.0000	0.0000	0.0000
TSS	41	260.0000	0.0000	16.1951	1866.5119	43.2031
NH3N	26	0.9000	0.0000	0.0462	0.0322	0.1794
ORGN	7	0.7000	0.0000	0.2929	0.0912	0.2849
TKN	33	1.1200	0.0000	0.4642	0.0948	0.3079
NO3N	41	0.3300	0.0000	0.1505	0.0123	0.1107

CORRELATION MATRIX FOLLOWS:

	PH	T	SPC	COL	TUR	ALK	TP	FDO	TBOD	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		
TBOD	0.043	-0.262	-0.136		0.070	-0.756		0.496	1.000	
TCOD	0.042	0.701	0.225		0.433	-0.590		-0.244	-0.099	1.000
TTOC	-	-	-							
TS	0.239	-0.161	-0.056		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
TVS										
TSS	-0.010	-0.069	0.064		0.703	0.230		-0.023	0.028	0.582
NH3N	0.551	0.284	0.139		-0.029	0.189		-0.088	-0.141	-0.179
ORGN	-0.997	-0.939	-0.902		-0.624	-0.839		0.925	0.352	-0.270
TKN	0.313	0.284	0.286		0.390	-0.945		0.535	0.455	-0.128
NO3N	-0.536	-0.844	-0.635		-0.062	-0.756		0.499	0.209	-0.254

	TTOC	TS	TDS	TVS	TSS	NH3N	ORGN	TKN	NO3N
TTOC	1.000								
TS		1.000							
TDS		0.967	1.000						
TVS				1.000					
TSS		0.686	-0.433		1.000				
NH3N		-0.101	-0.839		-0.082	1.000			
ORGN		0.359	0.974		0.399	-0.397	1.000		
TKN		0.401	0.587		0.044	-0.106	0.923	1.000	
NO3N		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	28.0000	24.0000	25.6667	4.3333	2.0817
SO4	0	0.0000	0.0000	0.0000	0.0000	0.0000
CHLA	41	45.0000	0.0000	5.6634	75.4784	8.6848
CR	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	CHLA	CR	SFTR	F	TCOL
OP	1.000									
TP	-0.102	1.000								
PHL			1.000							
CL	1.000	-0.364		1.000						
SO4					1.000					
CHLA	-0.196	-0.069		0.721		1.000				
CR							1.000			
SFTR								1.000		
F									1.000	
TCOL										1.000
FCOL										

	FCOL

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.
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
MG	0	0.0000	0.0000	0.0000	0.0000	0.0000
MN	0	0.0000	0.0000	0.0000	0.0000	0.0000
NA	0	0.0000	0.0000	0.0000	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	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										
MG										
MN										
NA										
NI										
PB										
SE										
SI										
V										
ZN										

	K	MG	MN	NA	NI	PB	SE	SI	V	ZN
K	1.000									
MG		1.000								
MN			1.000							
NA				1.000						
NI					1.000					
PB						1.000				
SE							1.000			
SI								1.000		
V									1.000	
ZN										1.000

PLOT DATA?

APPENDIX VII-C

QLM LABORATORIES, INC., ANALYTICAL PROCEDURES

QLM LABORATORIES, INC., CHEMICAL ANALYSES

PARAMETER	LABORATORY METHOD	REF.	QLM 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 Spectonic 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

QLM LABORATORIES INC., CHEMICAL ANALYSES Cont'd

PARAMETER	LABORATORY METHOD	REF.	QLM 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_3 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 Kjeldalh	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	-

QLM LABORATORIES INC., CHEMICAL ANALYSES Cont'd

PARAMETER	LABORATORY METHOD	REF.	QLM 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	Molybdosilicate 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

QLM 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.

QLM LABORATORIES INC., METAL ANALYSES

METALS	LABORATORY METHOD	REF.	QLM 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

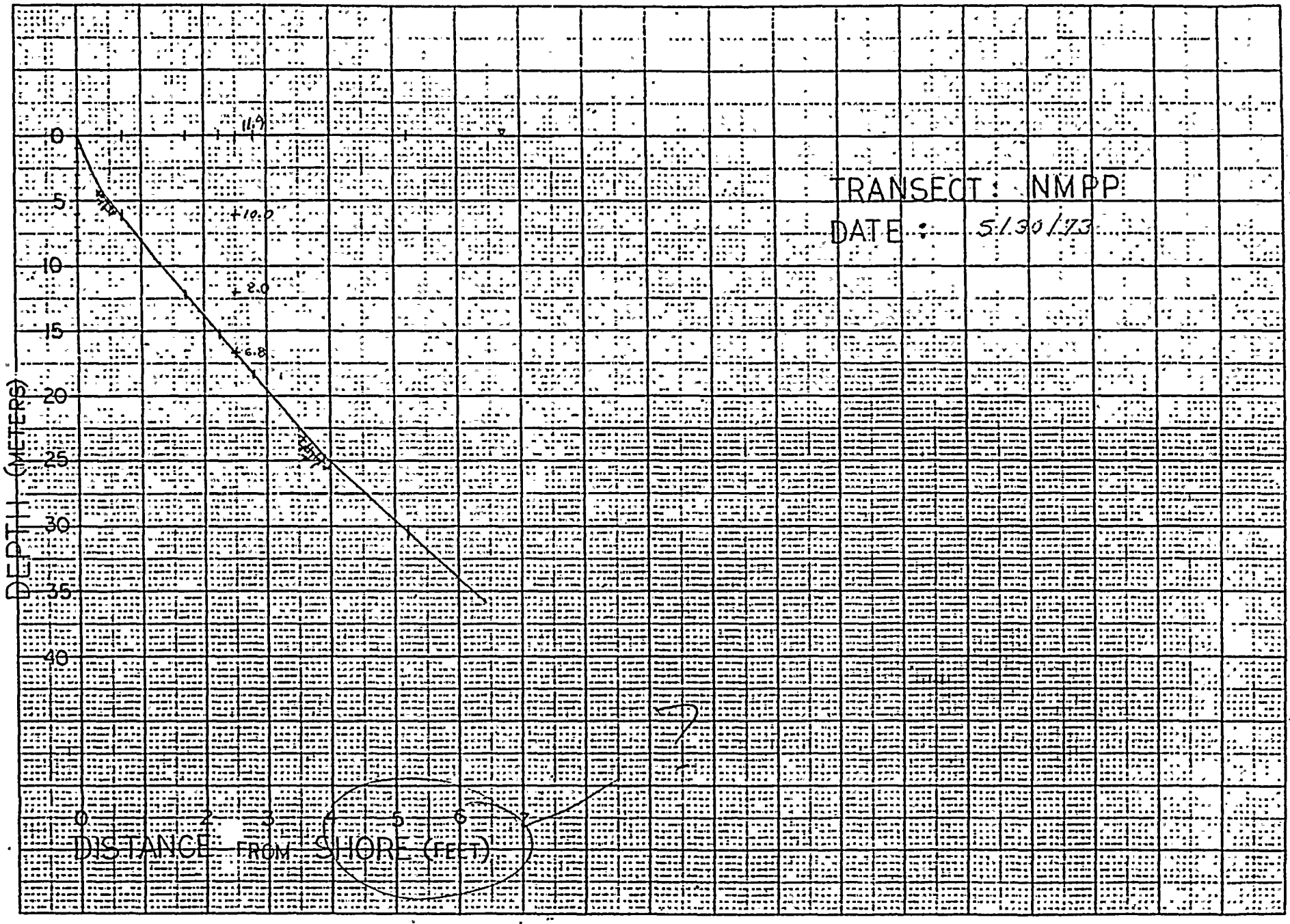
NINE MILE POINT GENERATING STATION WATER QUALITY INVESTIGATIONS

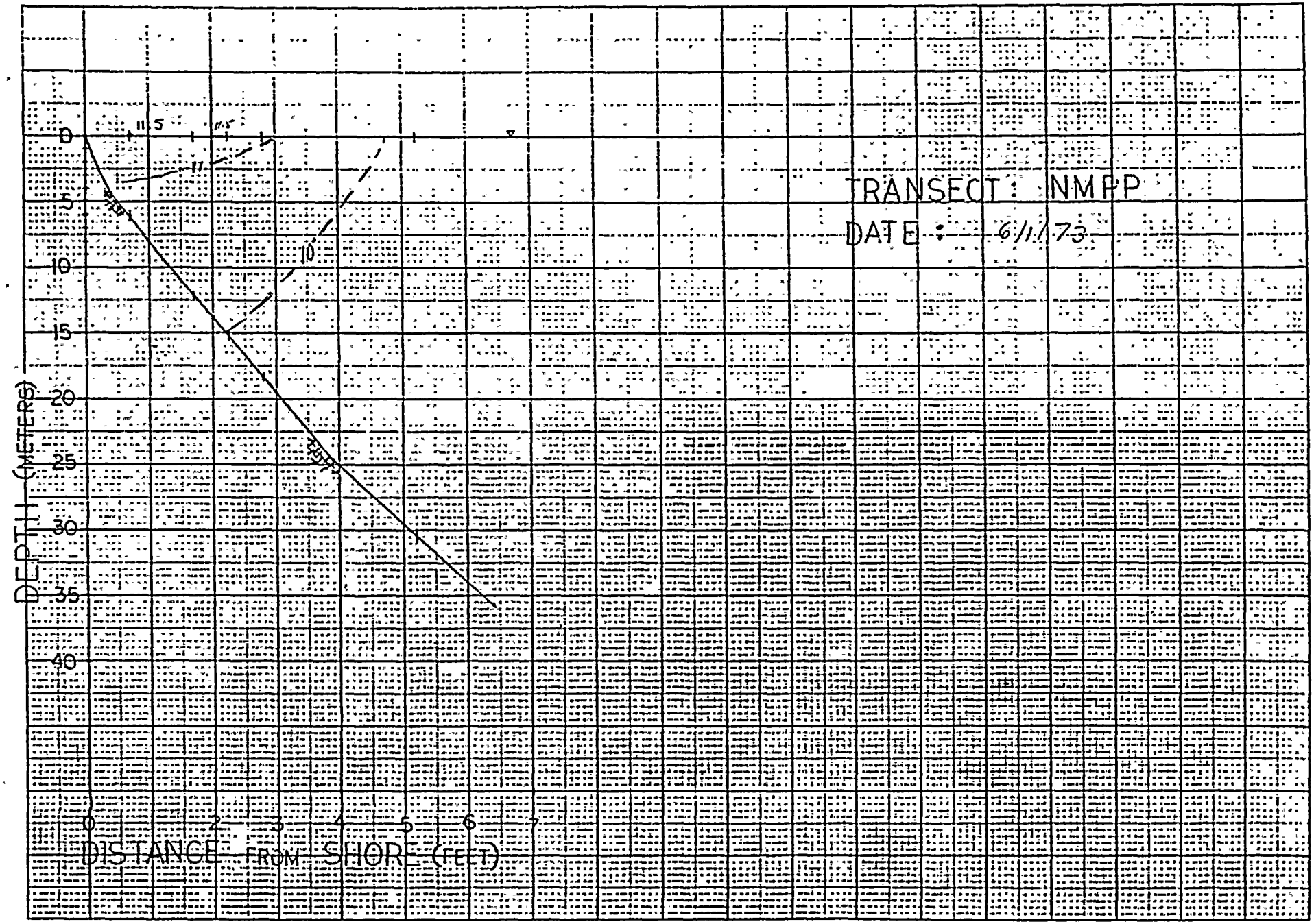
VERTICAL TEMPERATURE PROFILES AT THE NINE MILE POINT PLANT AND OSWEGO STEAM STATION TRANSECTS

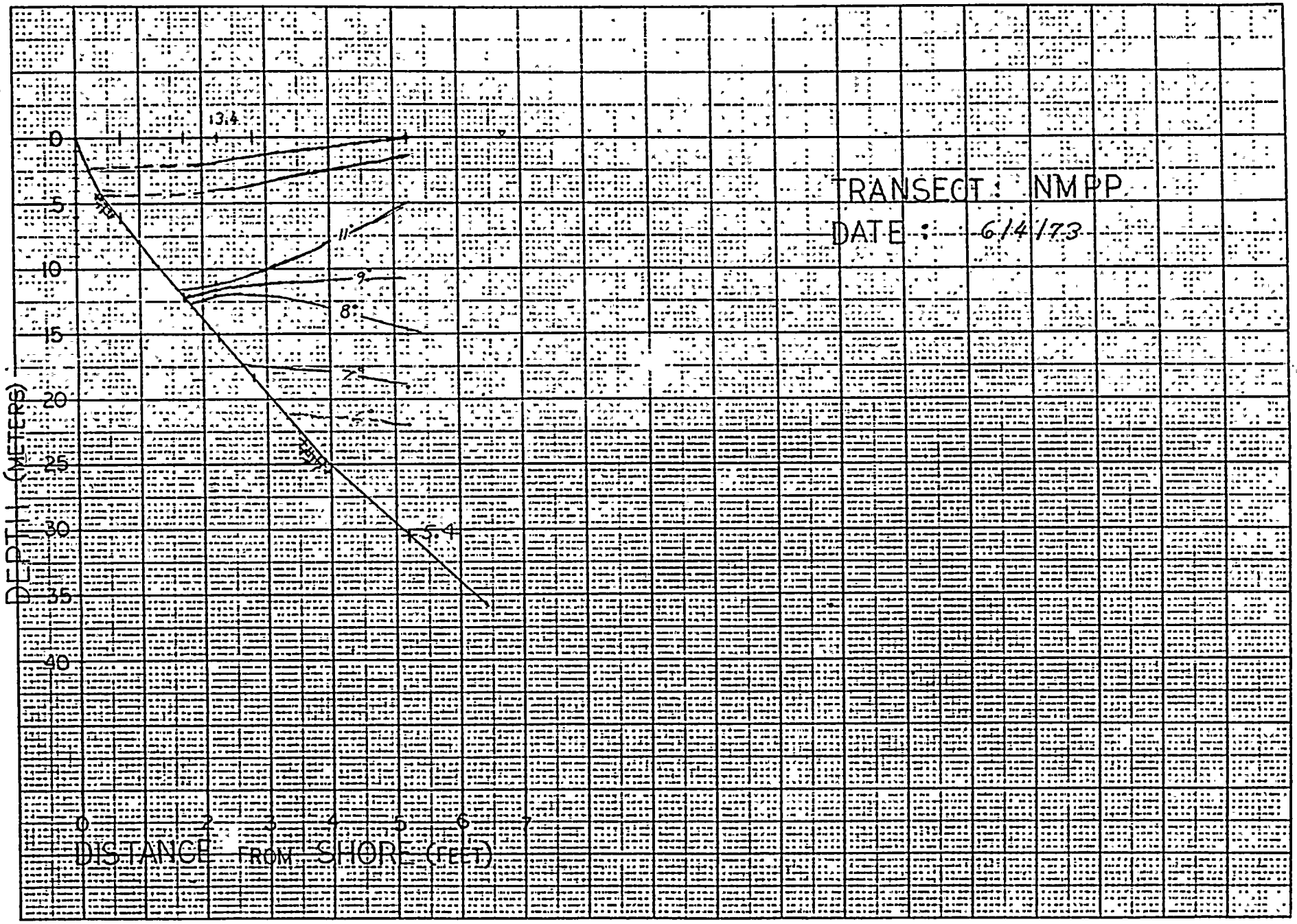
Temperature Profiles

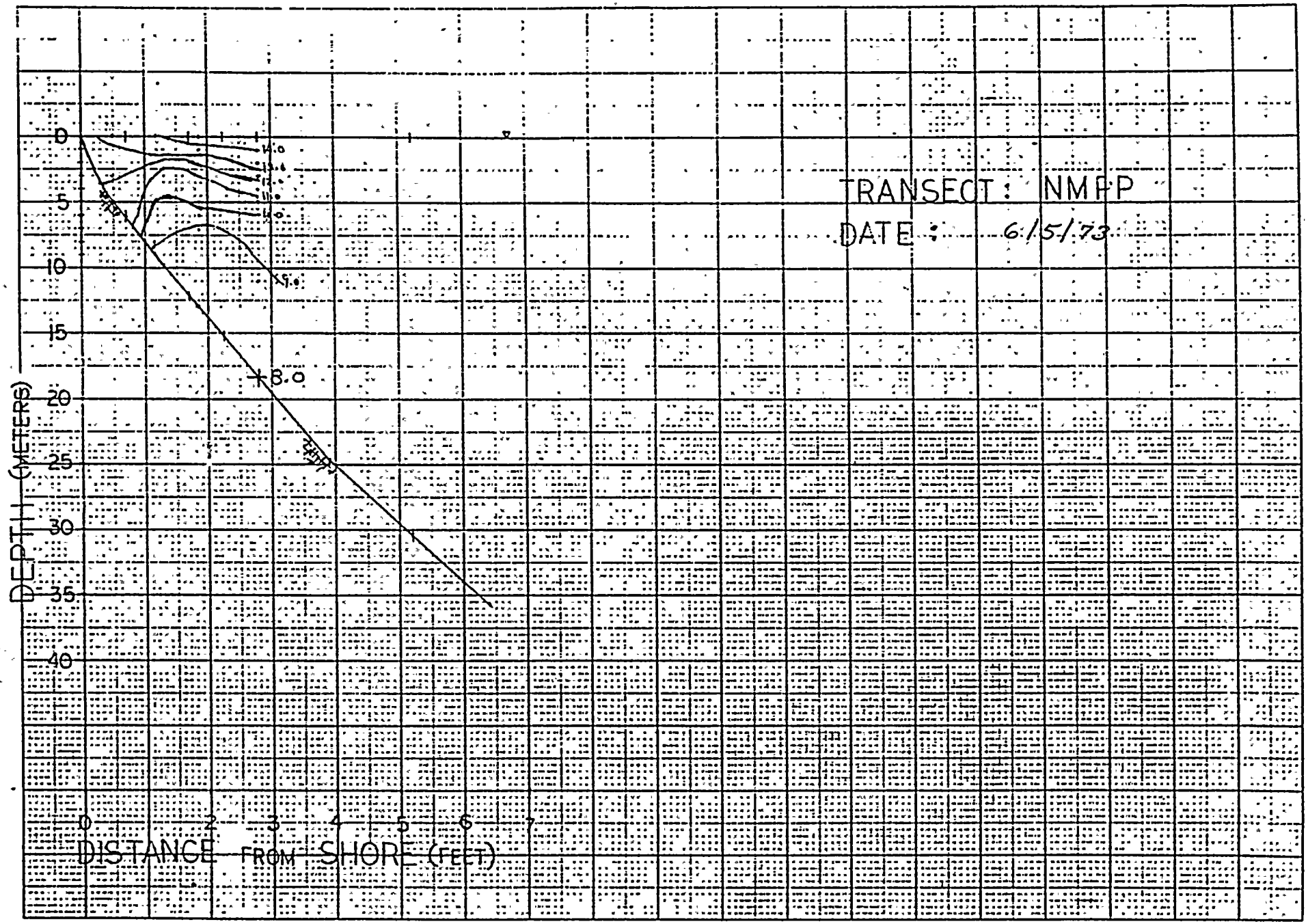
NINE MILE PLANT TRANSECT

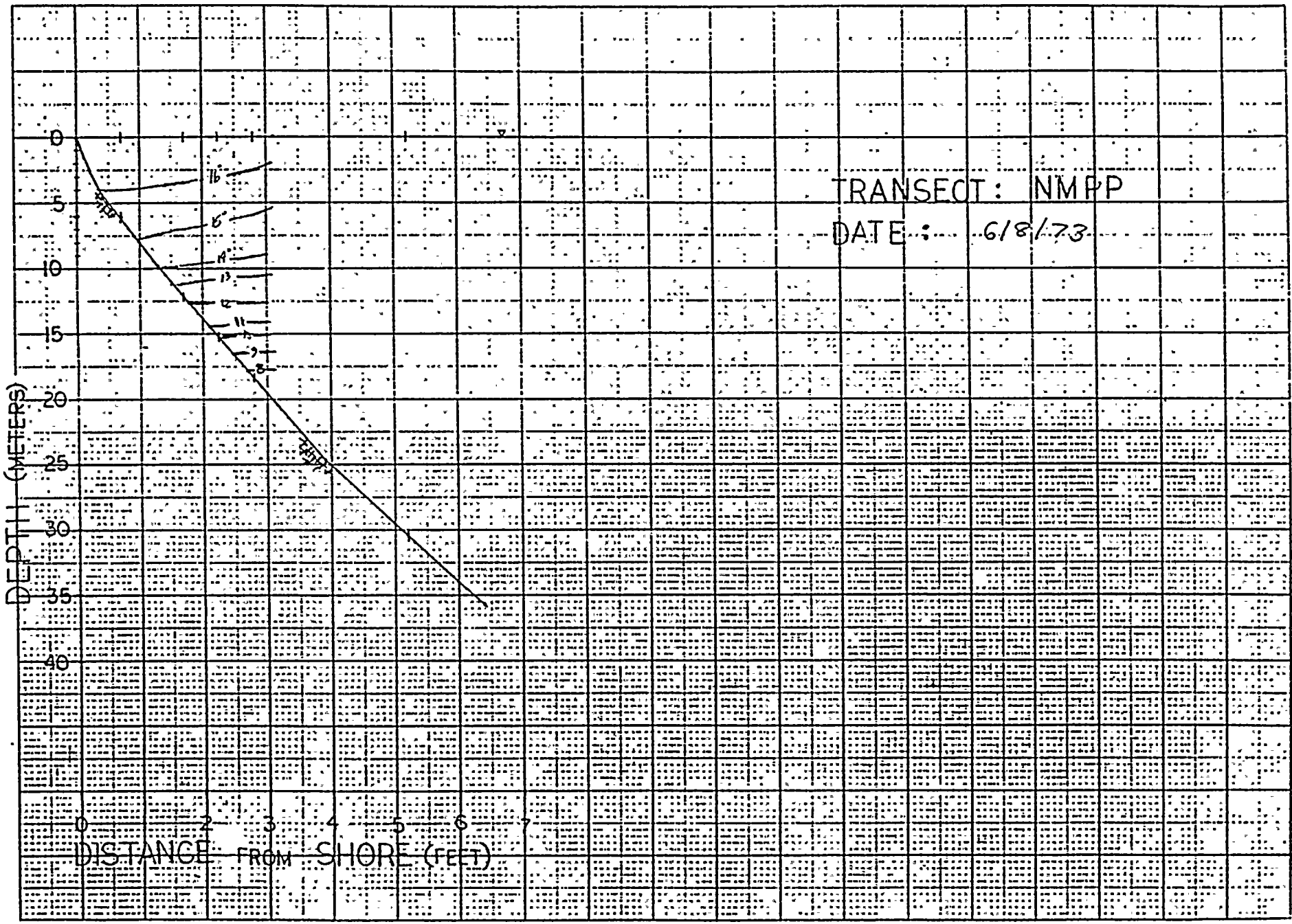
May 30 - December 10, 1973

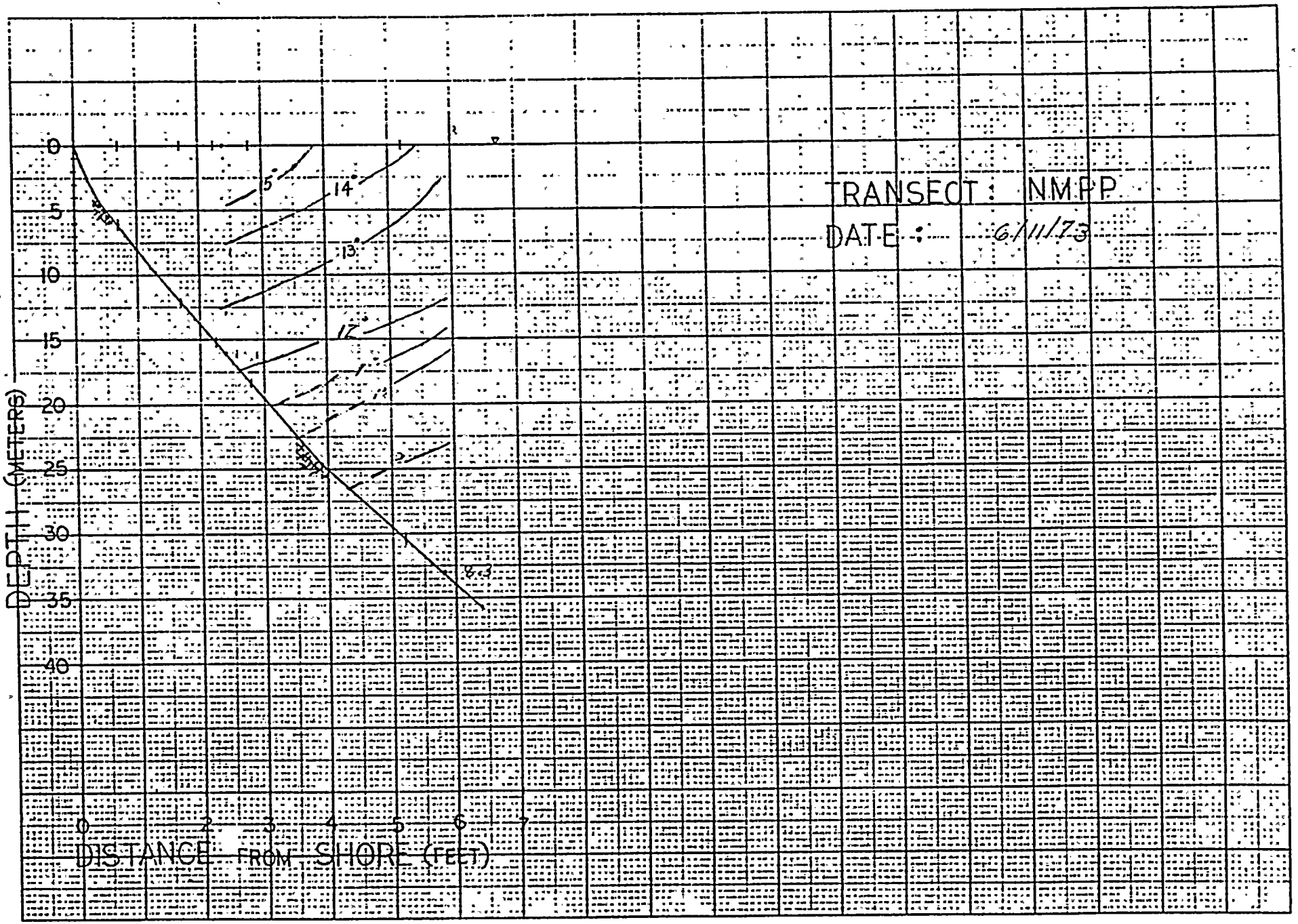

TRANSECT: NMPP
DATE: 5/30/73
11.9
+10.0
+8.0
+6.8
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

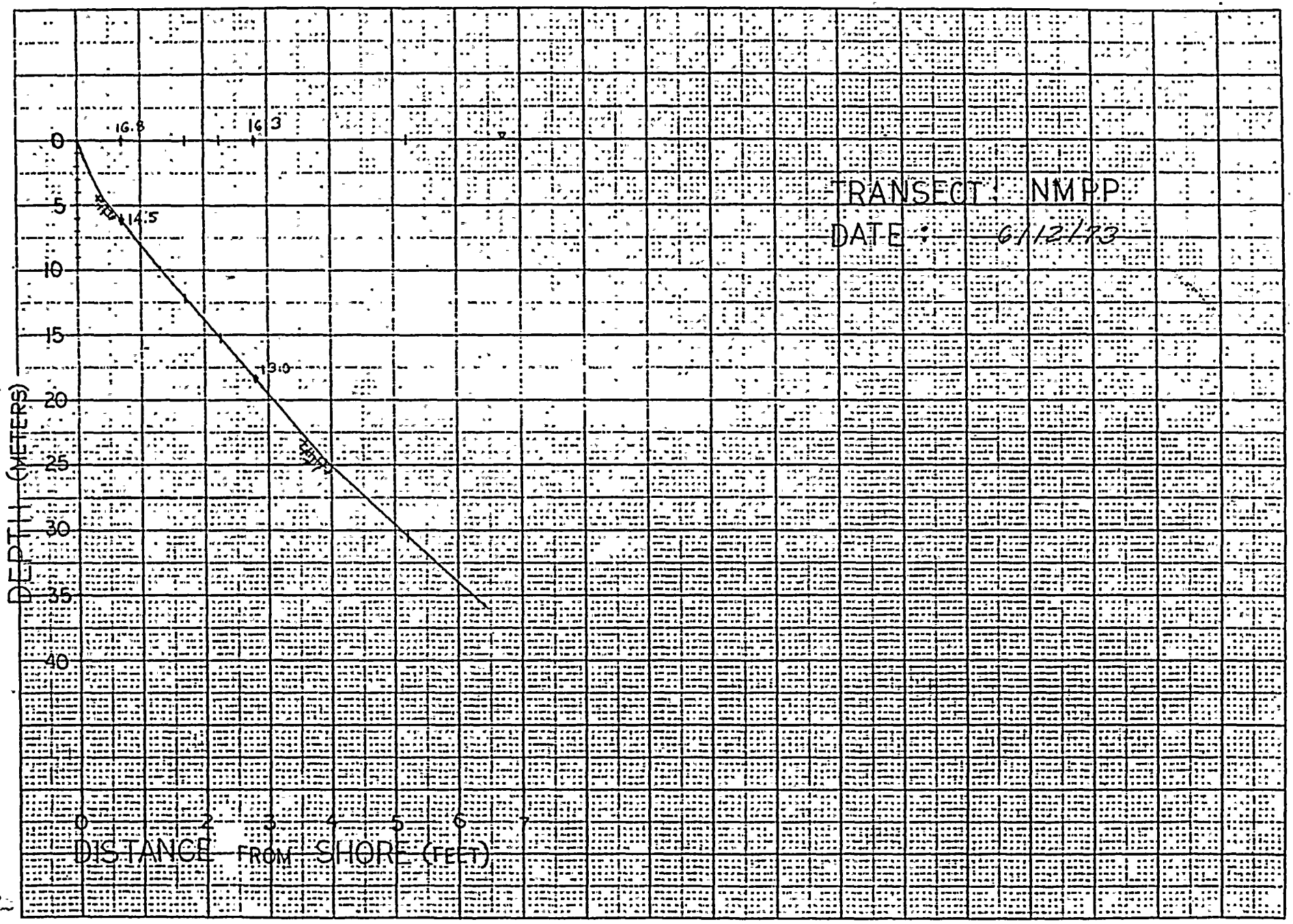

TRANSECT: NMPP
DATE: 6/1/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
11.5
11
10
DISTANCE FROM SHORE (FEET)
0
2
3
4
5
6
7

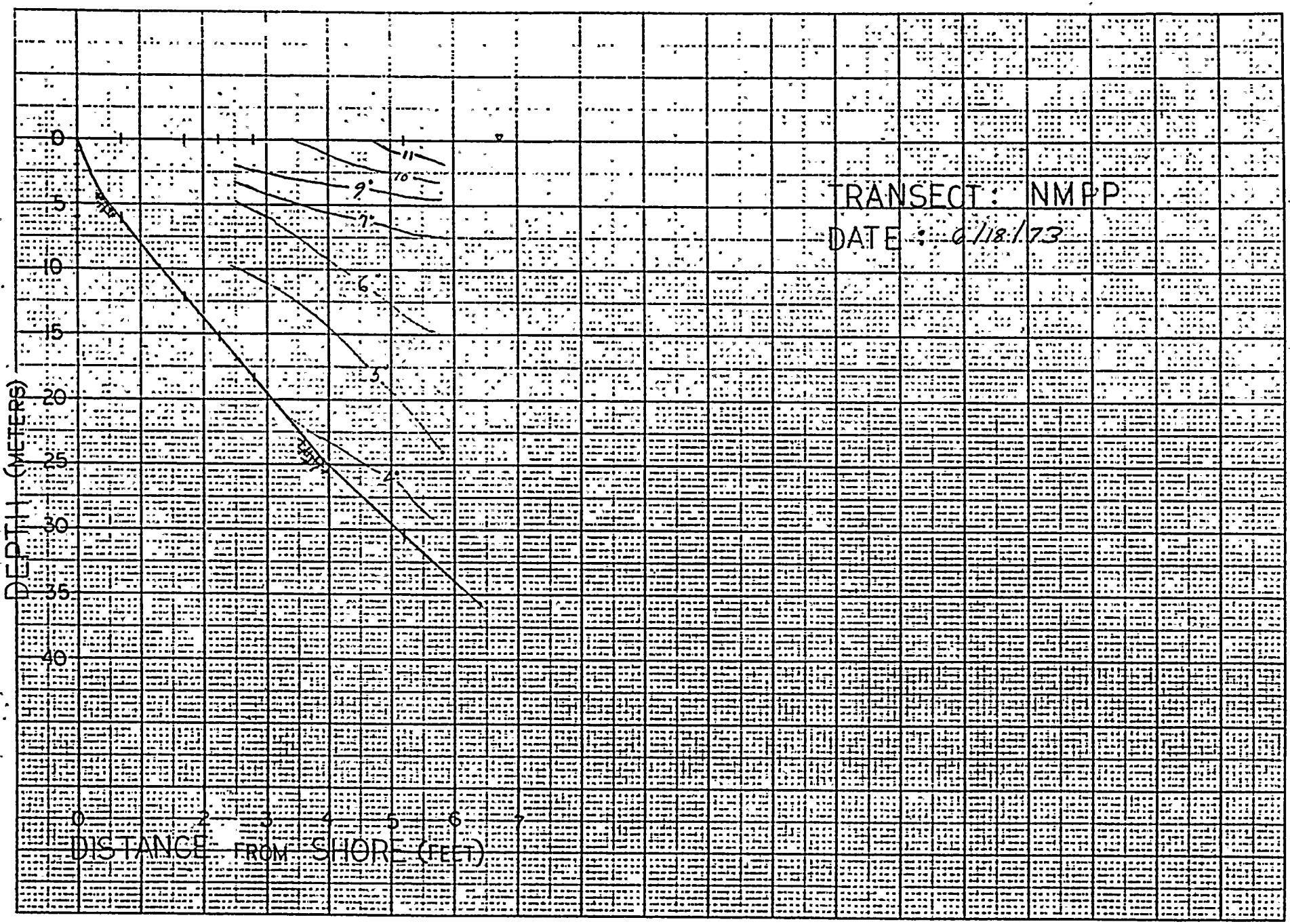

TRANSECT: NMPP
DATE: 6/4/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
13.4
11
9
8
7
6
5.4
0
1
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

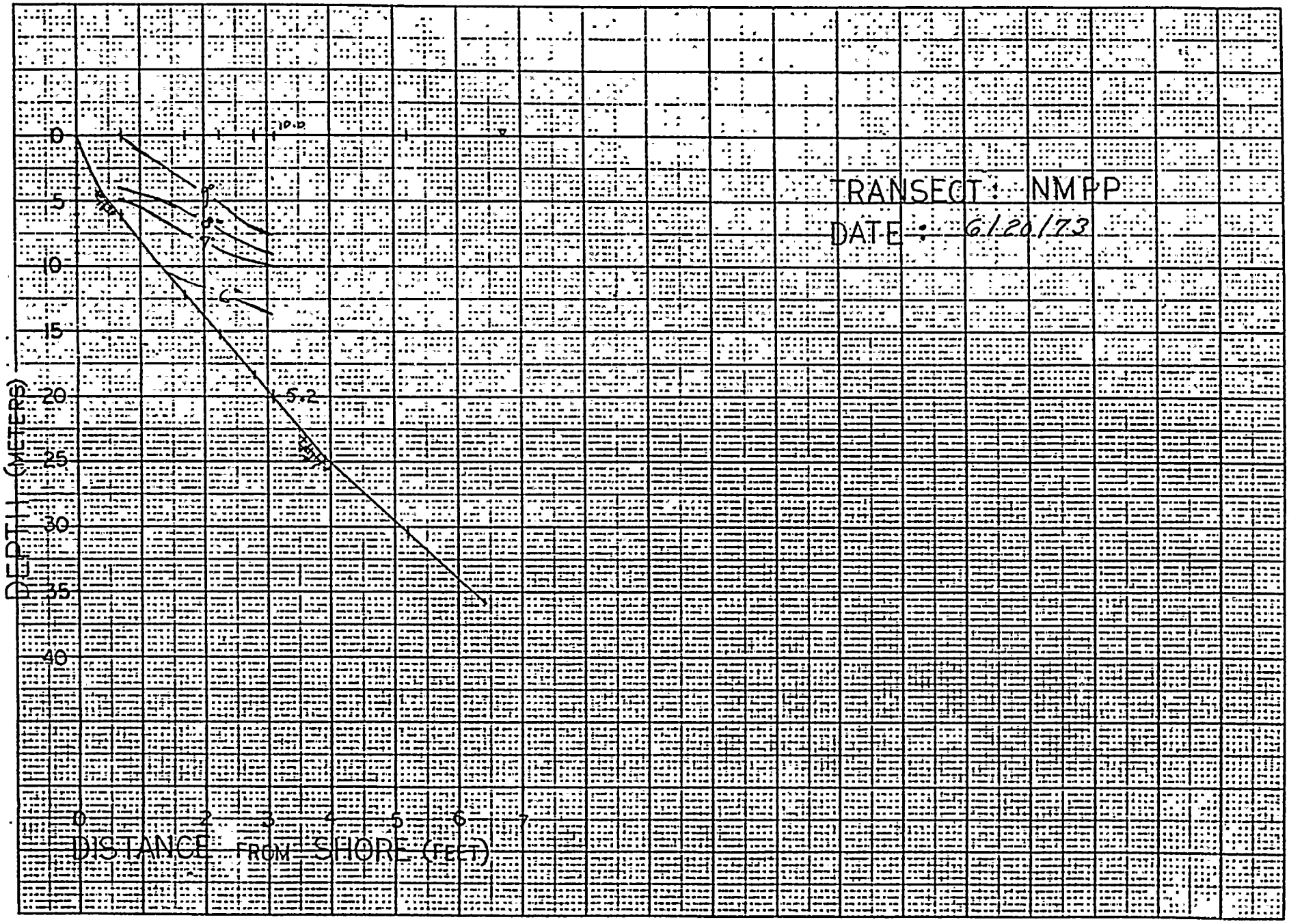

TRANSECT: NMPP
DATE: 6/5/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
+8.0
0
1
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

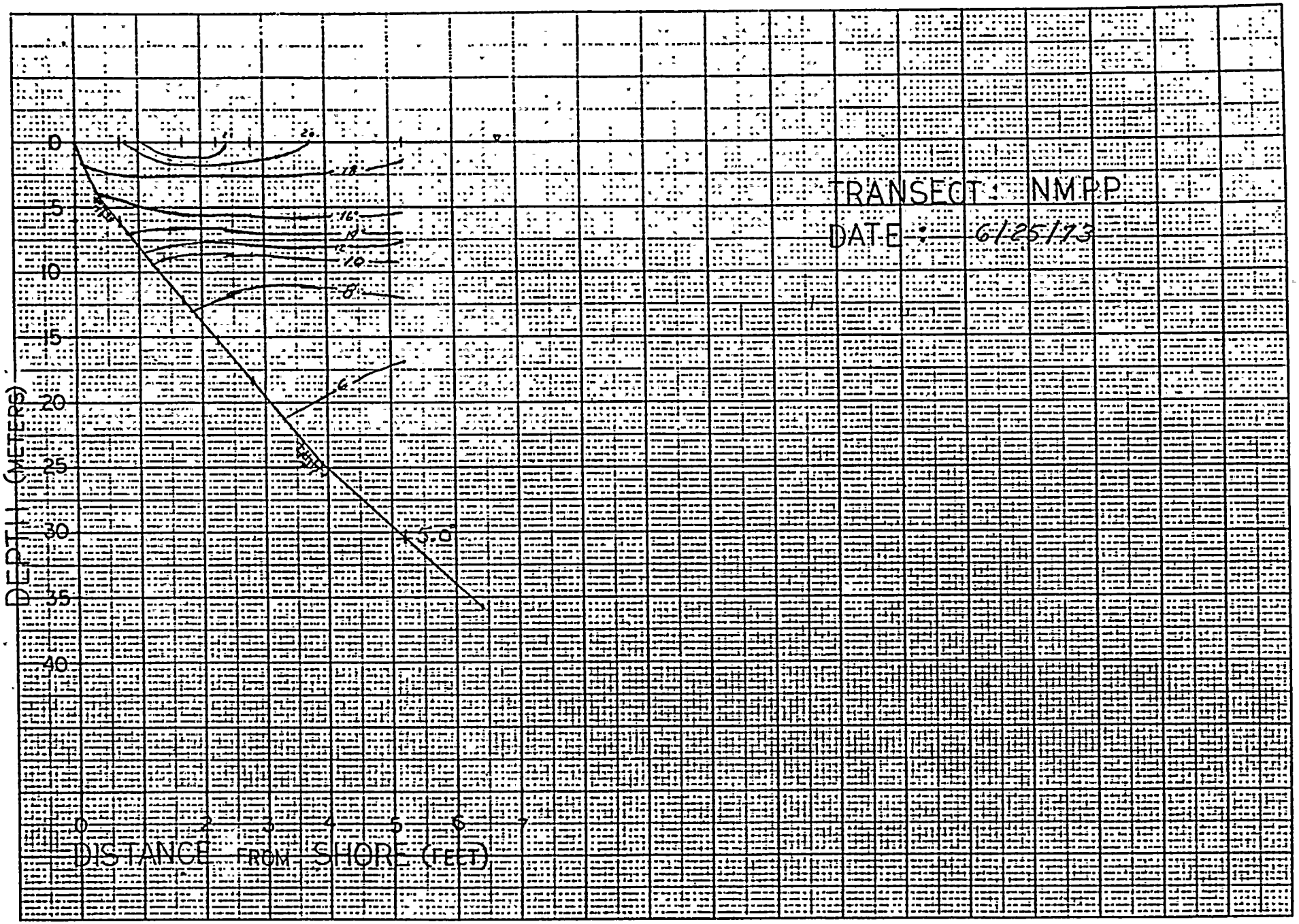

TRANSECT: NMPP
DATE: 6/8/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

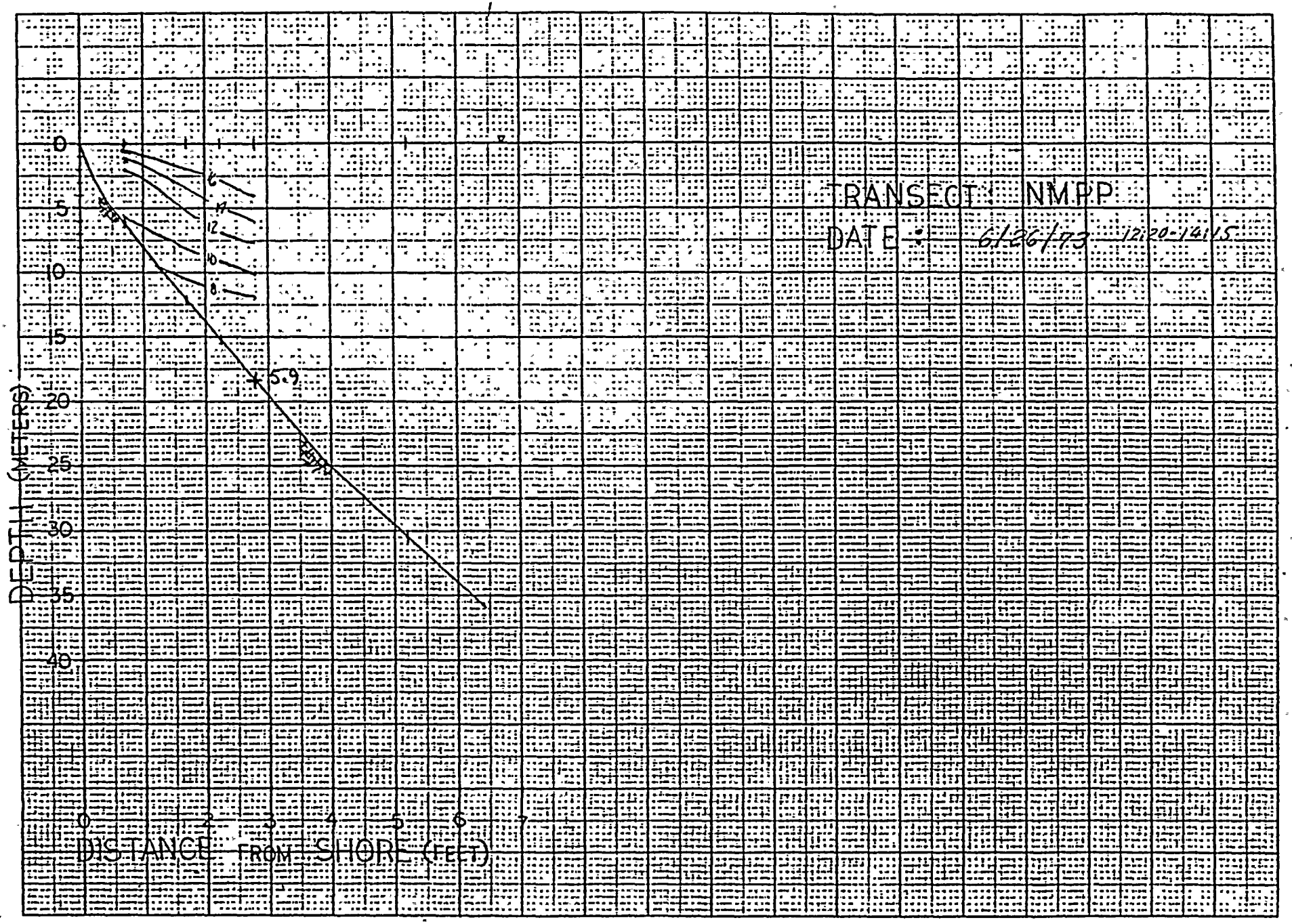

TRANSECT: NMPP
DATE: 6/11/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
5
14
13
12
8.3
0
1
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

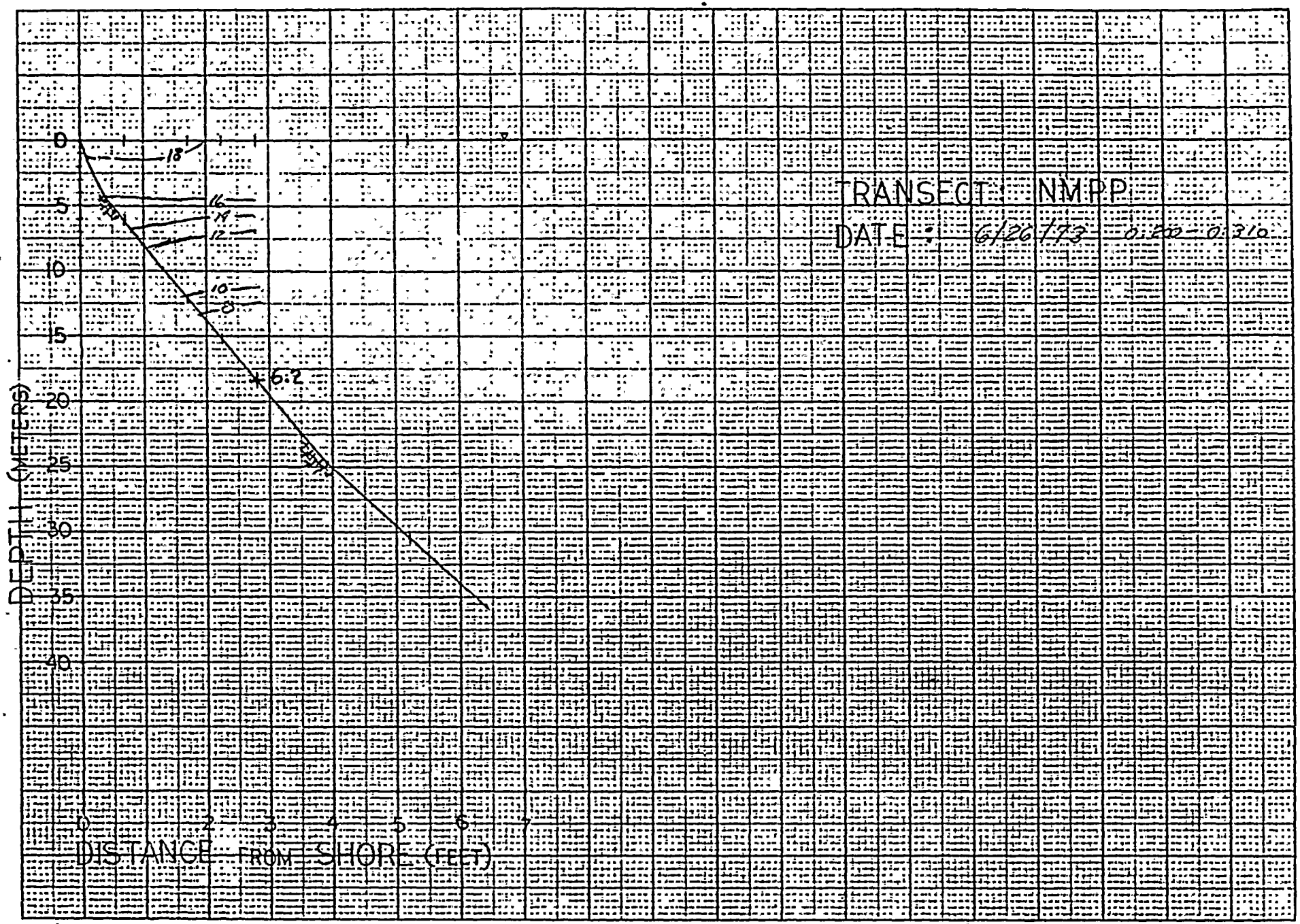

TRANSECT: NMPP
DATE: 6/12/93
16.8
16.3
14.5
13.0
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

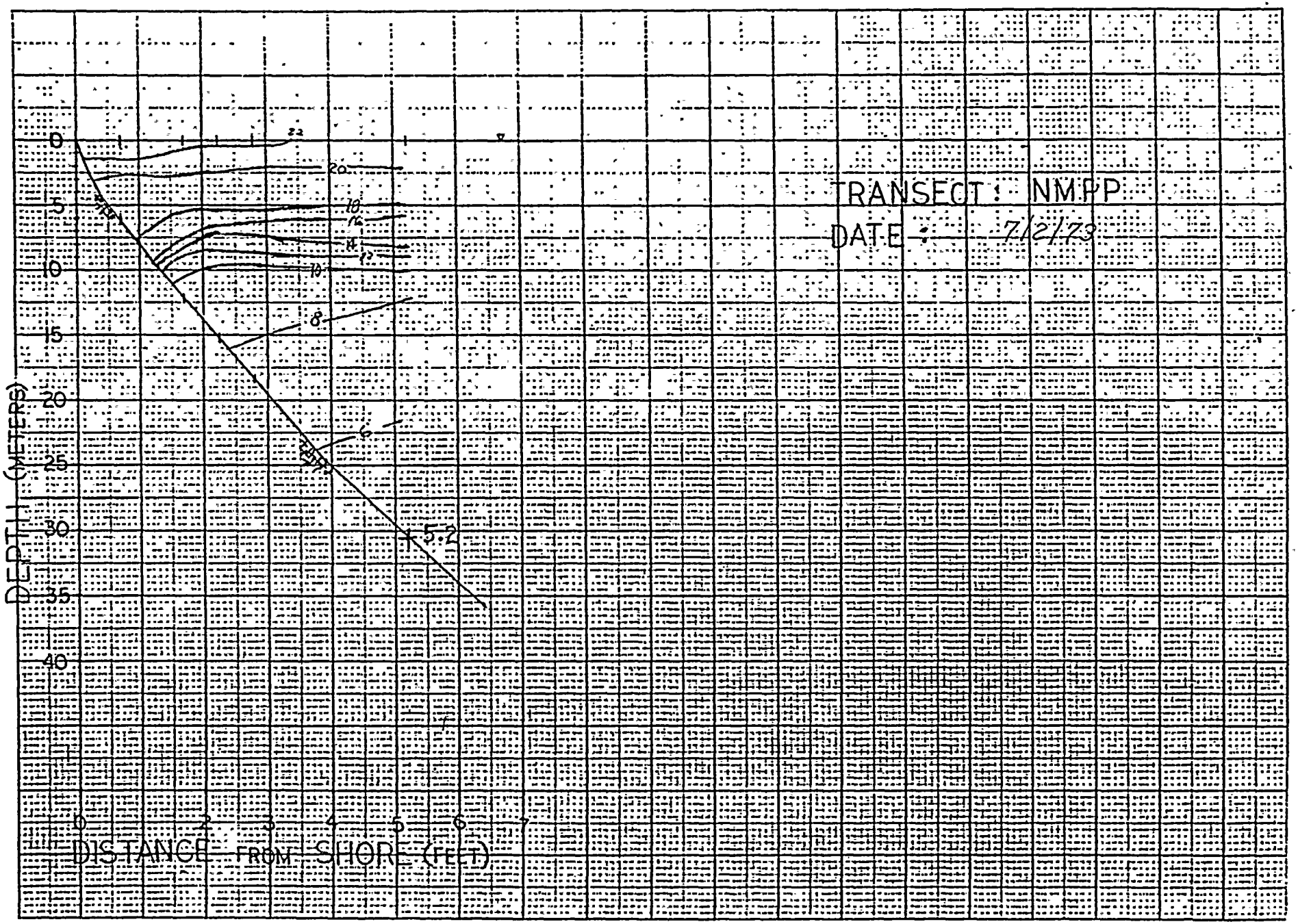

TRANSECT: NMPP
DATE: 6/18/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
11
10
9
7
6
5
4
DISTANCE FROM SHORE (FEET)
0
2
3
4
5
6
7

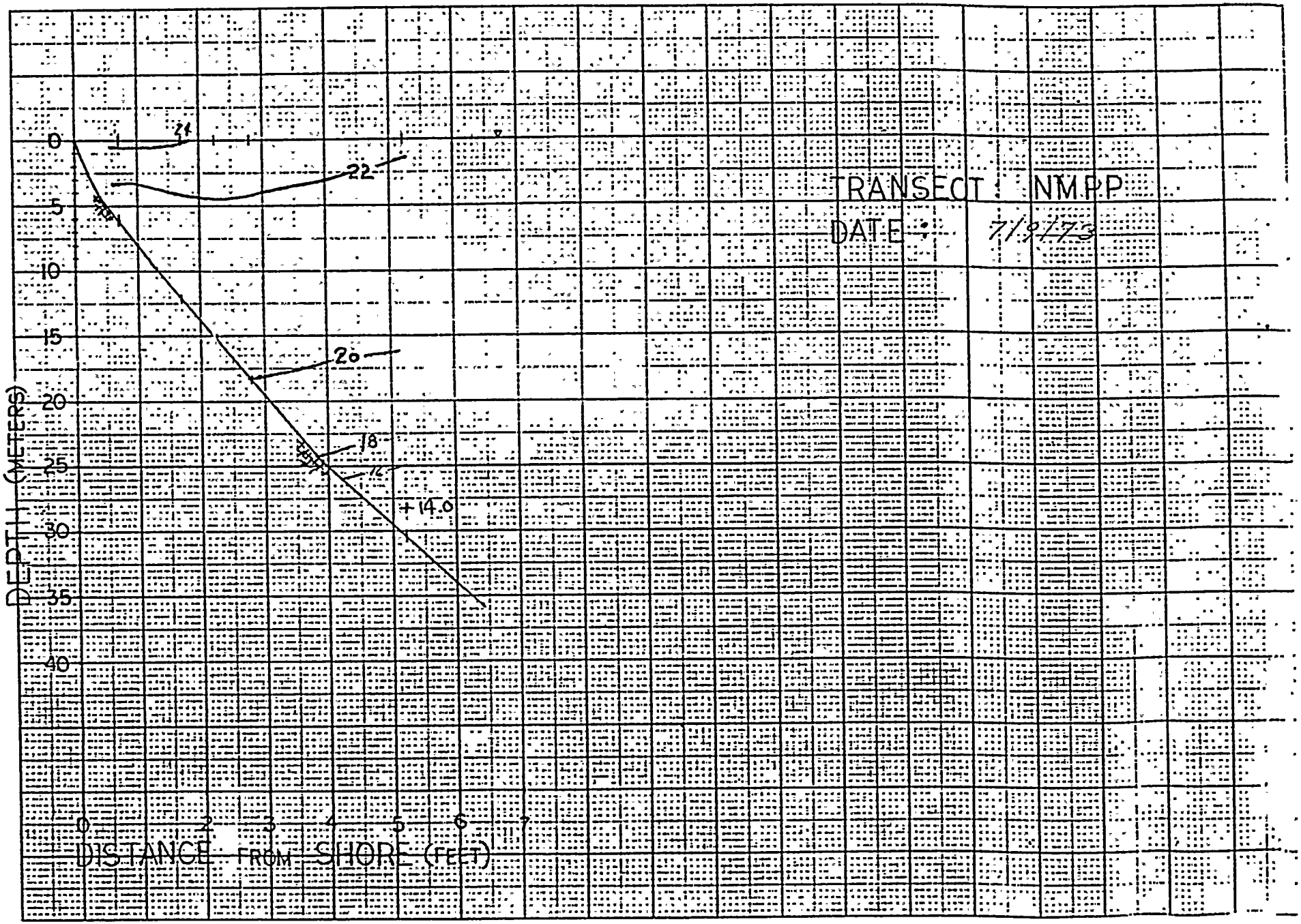

TRANSECT: NMPP
DATE: 6.20.73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
5.2
0
1
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

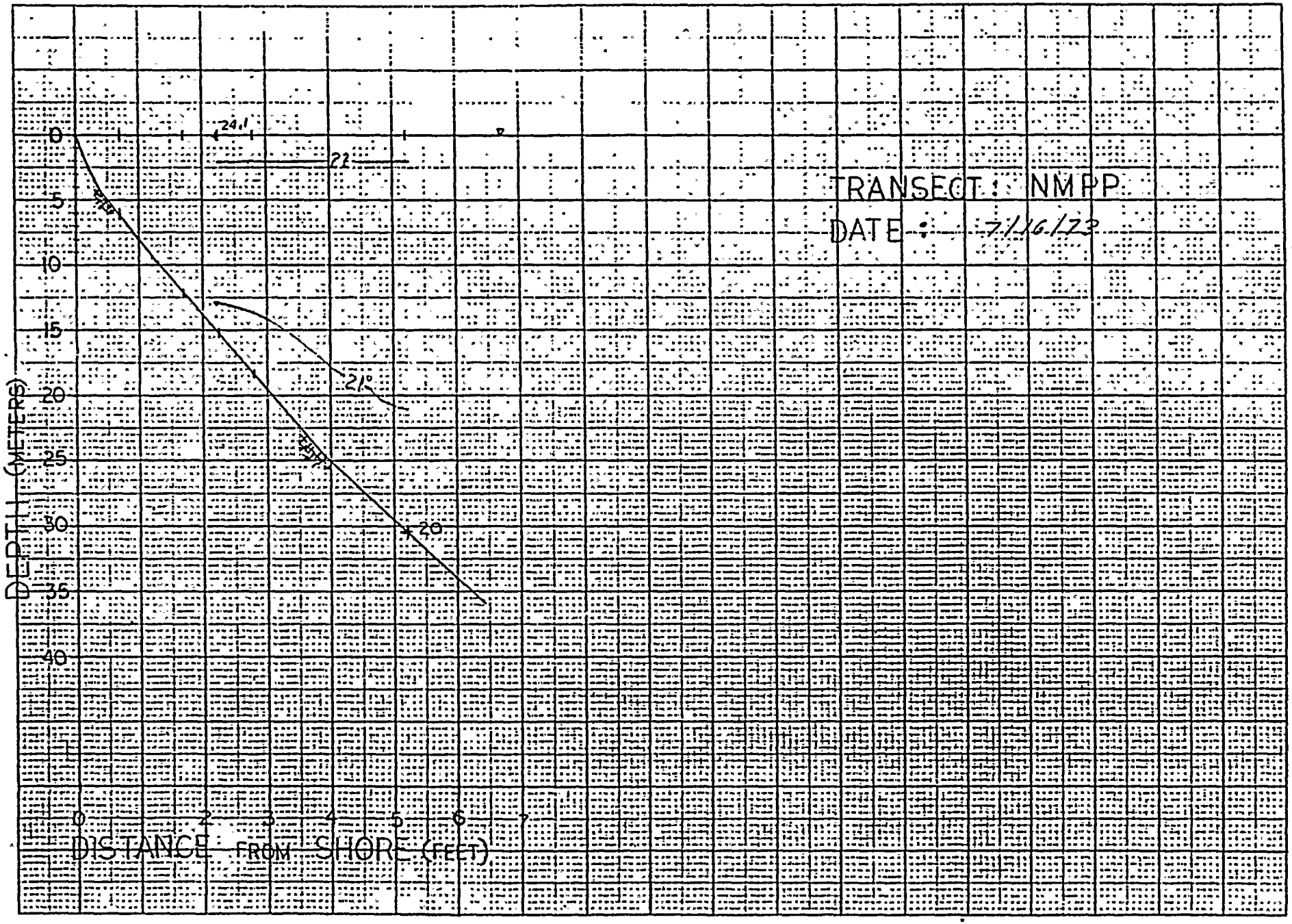

TRANSECT: NMPP
DATE: 6/25/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
DISTANCE FROM SHORE (FEET)
0
2
3
4
5
6
7
5.0

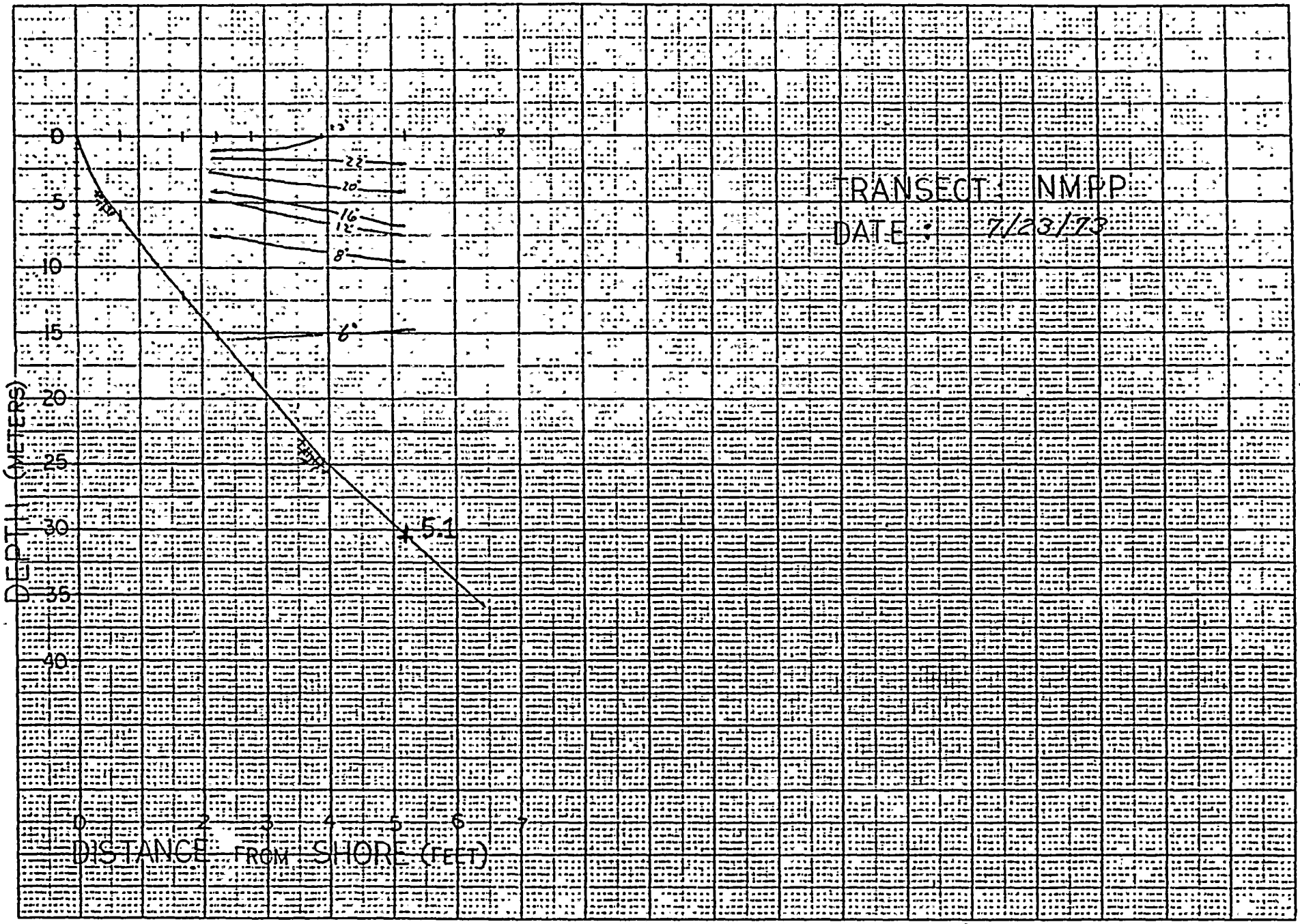

TRANSECT: NMPP
DATE: 6.26/83 12:20-14:15
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
6
12
16
8
5.9
0
1
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

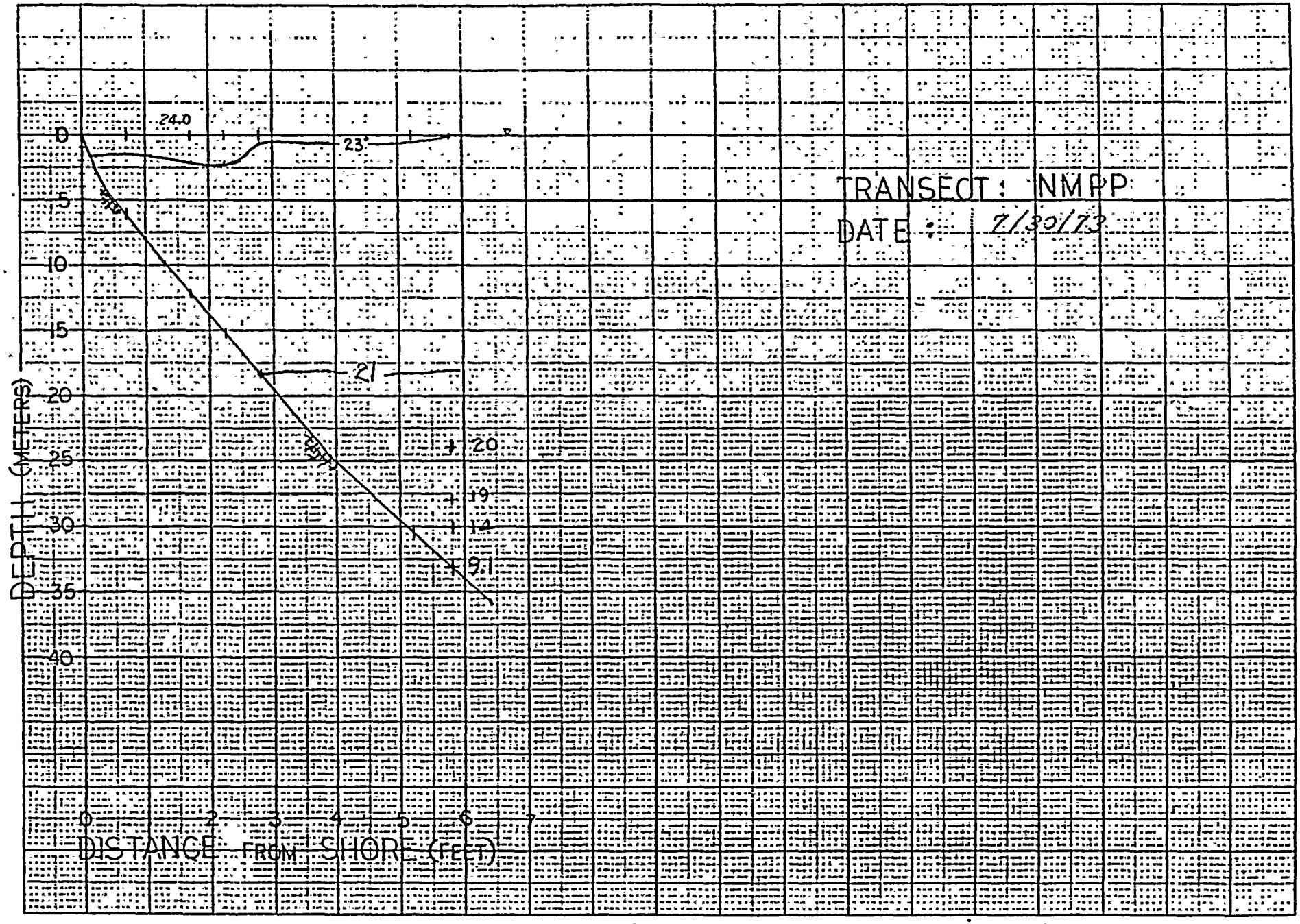

TRANSECT: NMPP
DATE: 6/26/73 0:20-0:310
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
18
16
14
12
10
8
6.2
0 1 2 3 4 5 6 7
DISTANCE FROM SHORE (FEET)

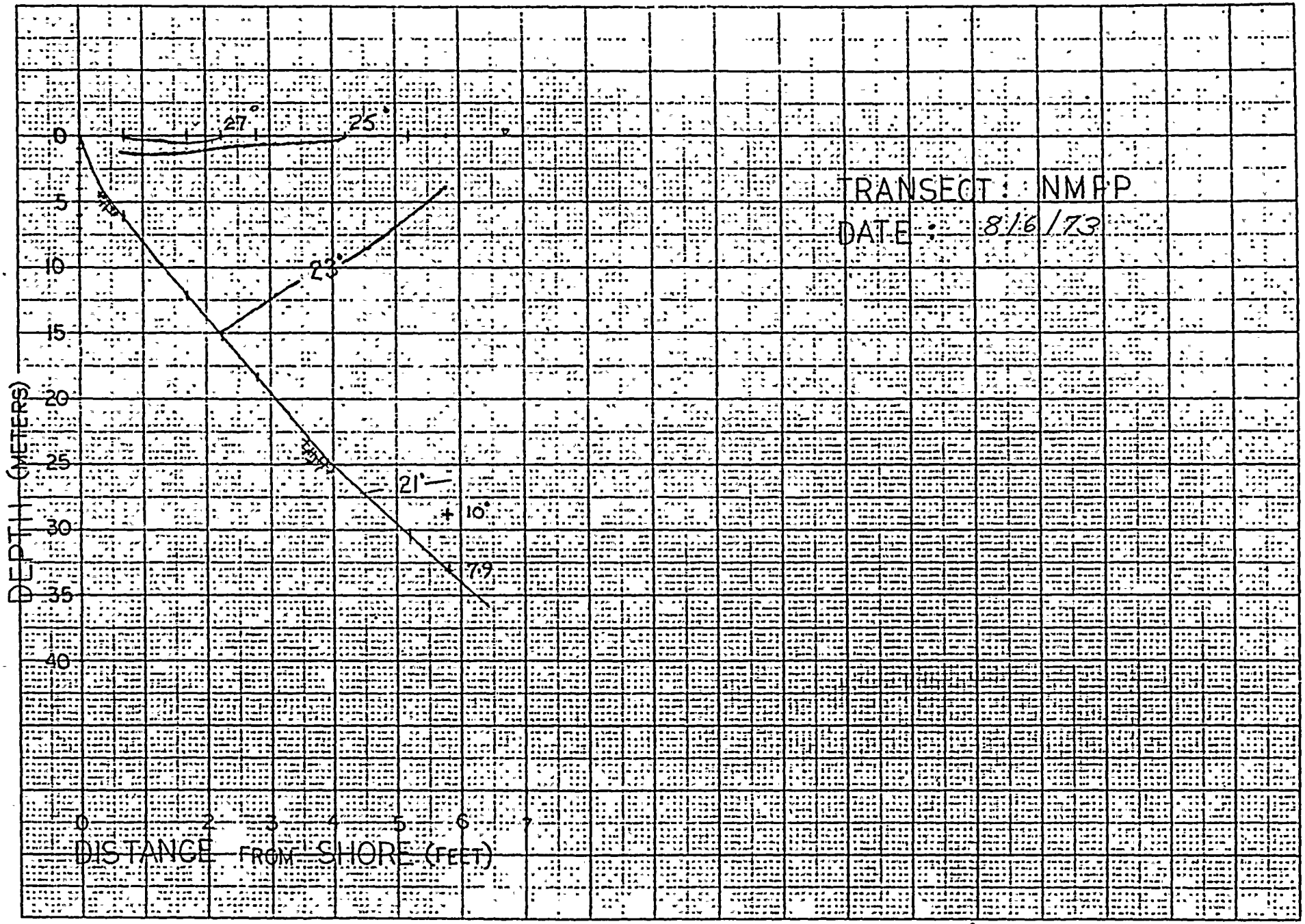

TRANSECT : NMPP
DATE : 7/2/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
22
20
18
16
14
12
10
8
6
5.2
0
1
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

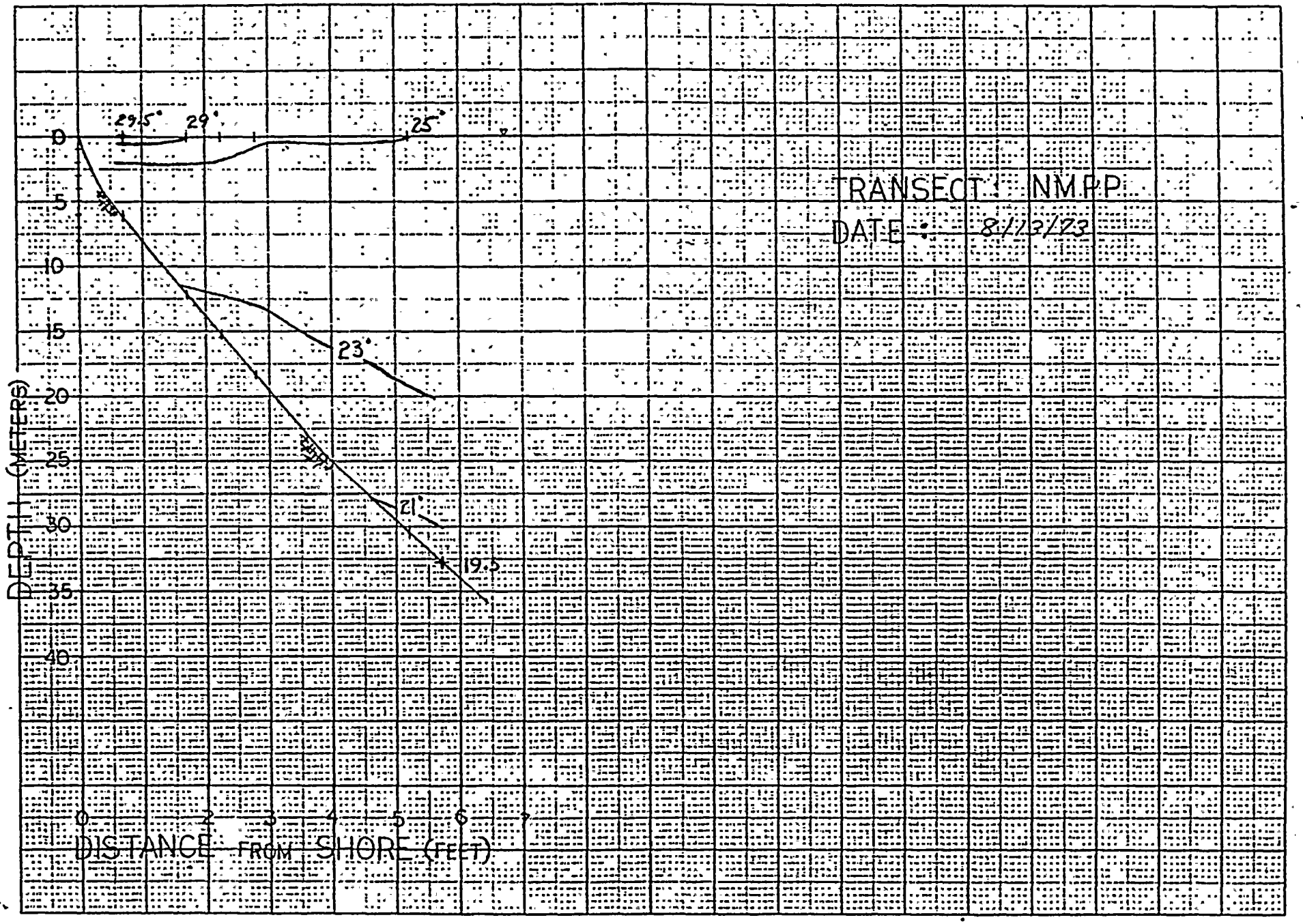

TRANSECT: NMPP
DATE: 7/9/73
0
5
10
15
20
25
30
35
40
DEPTH (METERS)
21
22
20
18
+14.0
0
1
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

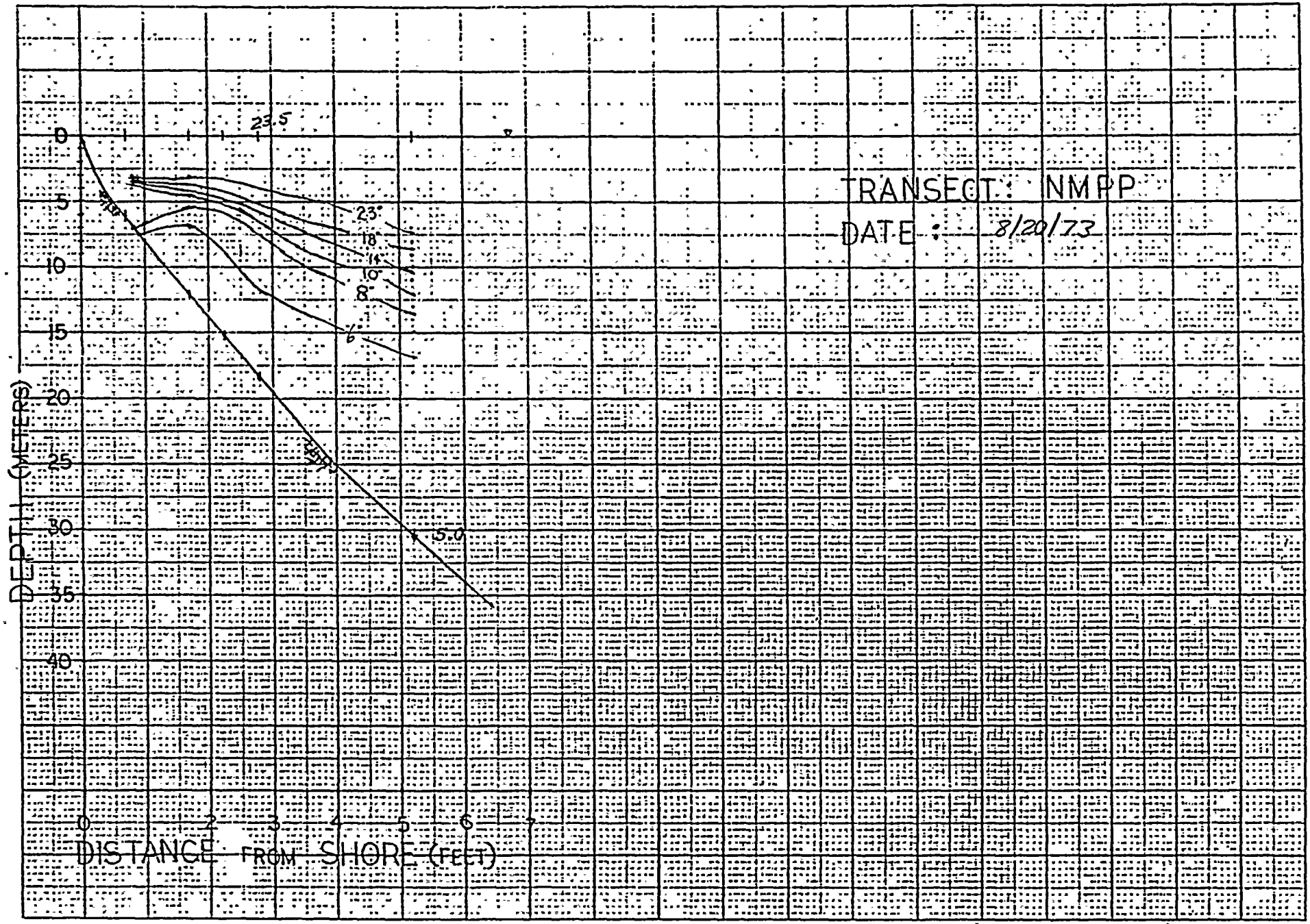

TRANSECT: NMPP
DATE: 7/16/73
24.1
22
21°
20
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

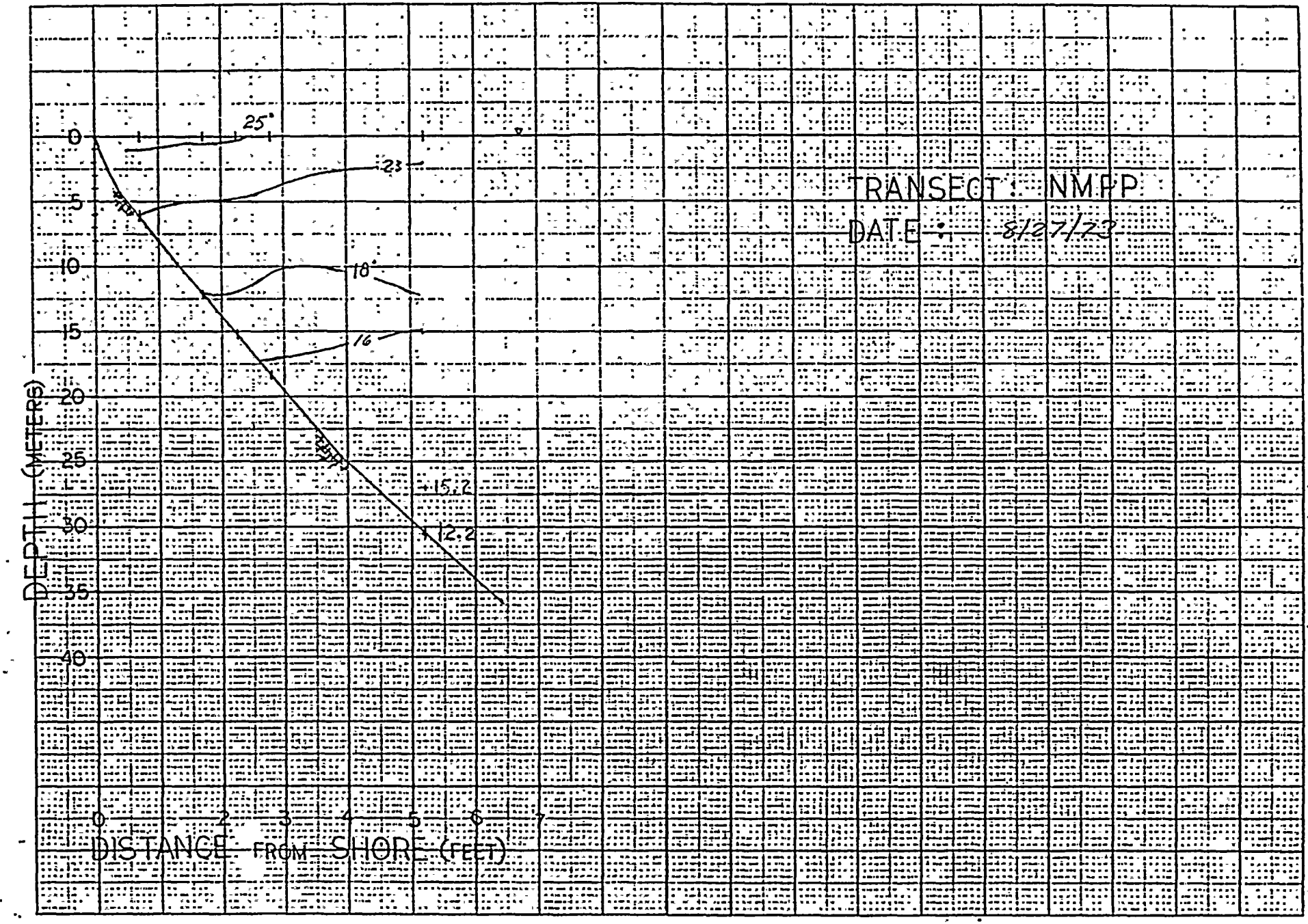

TRANSECT: NMPP
DATE: 7/23/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
22
20
16
12
8
6
5.1
0
1
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

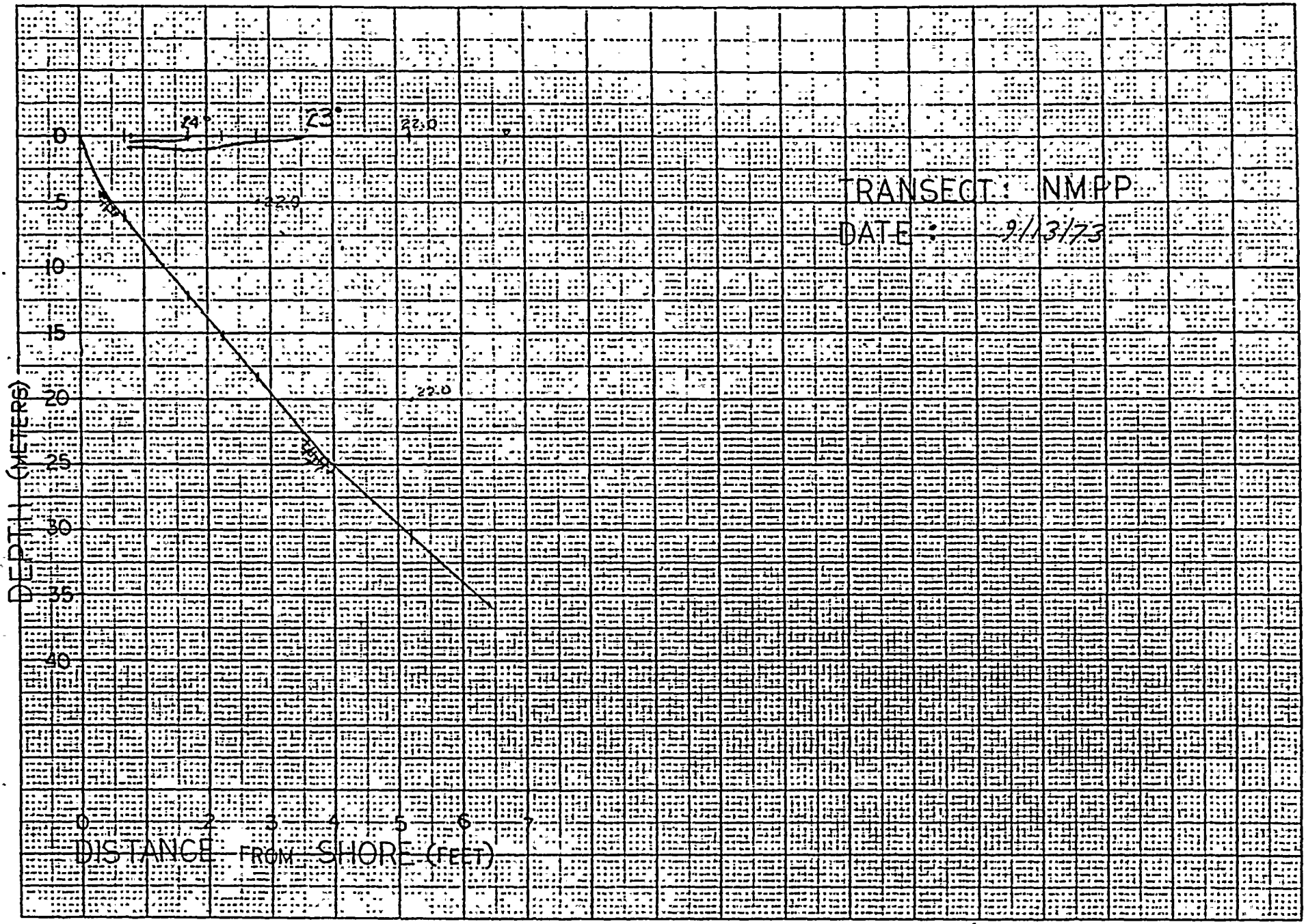

TRANSECT: NMPP
DATE: 7/30/73
24.0
23
21
20
19
14
9.1
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
1
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

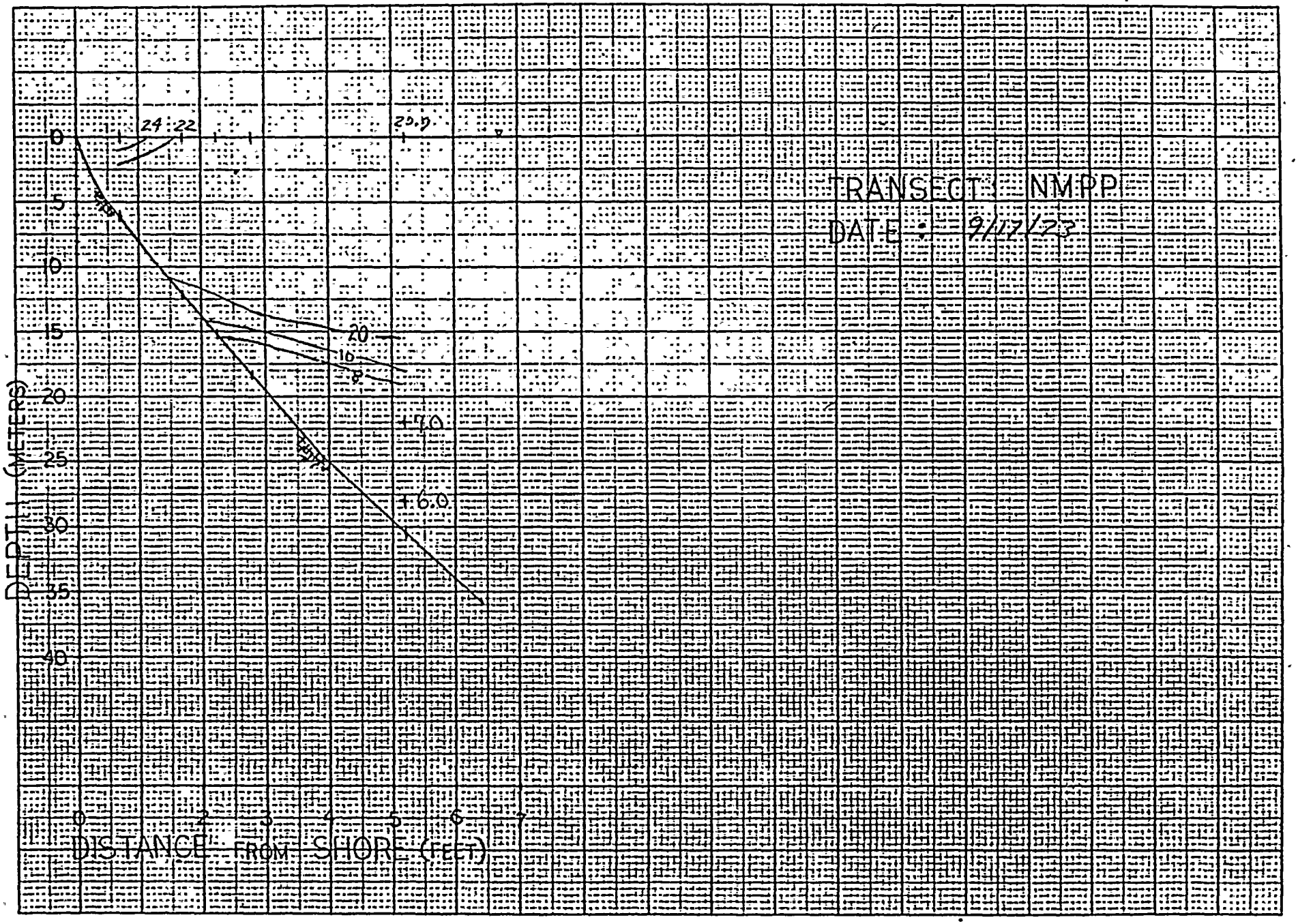

TRANSECT : NMPP
DATE : 8/6/73
27°
25°
23°
21°
16°
7.9
0
5
10
15
20
25
30
35
40
DEPTH (METERS)
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

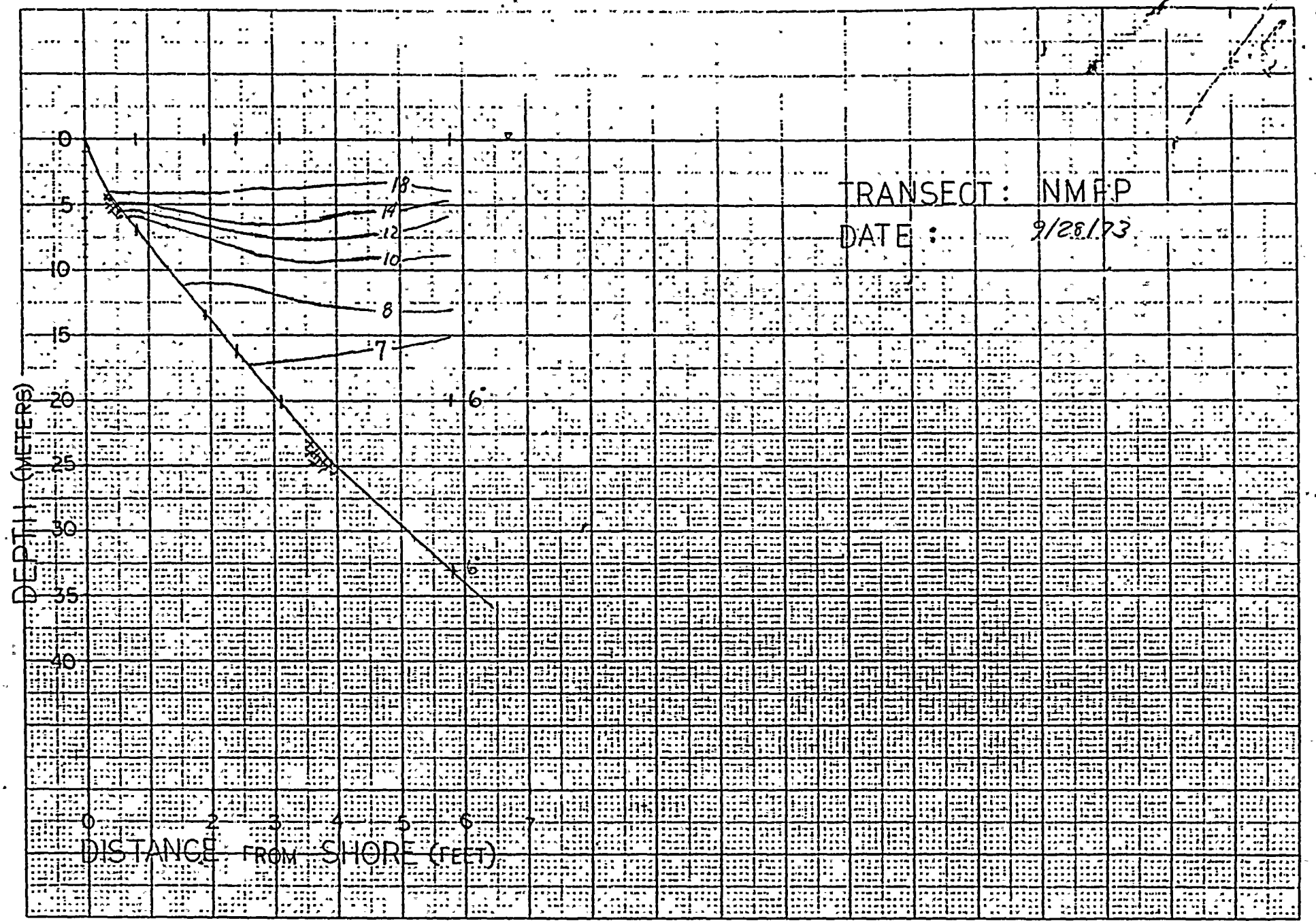

TRANSECT 1 NMPP
DATE: 8/13/23
29.5°
29°
25°
23°
21°
19.5
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
2
3
4
5
6
DISTANCE FROM SHORE (FEET)

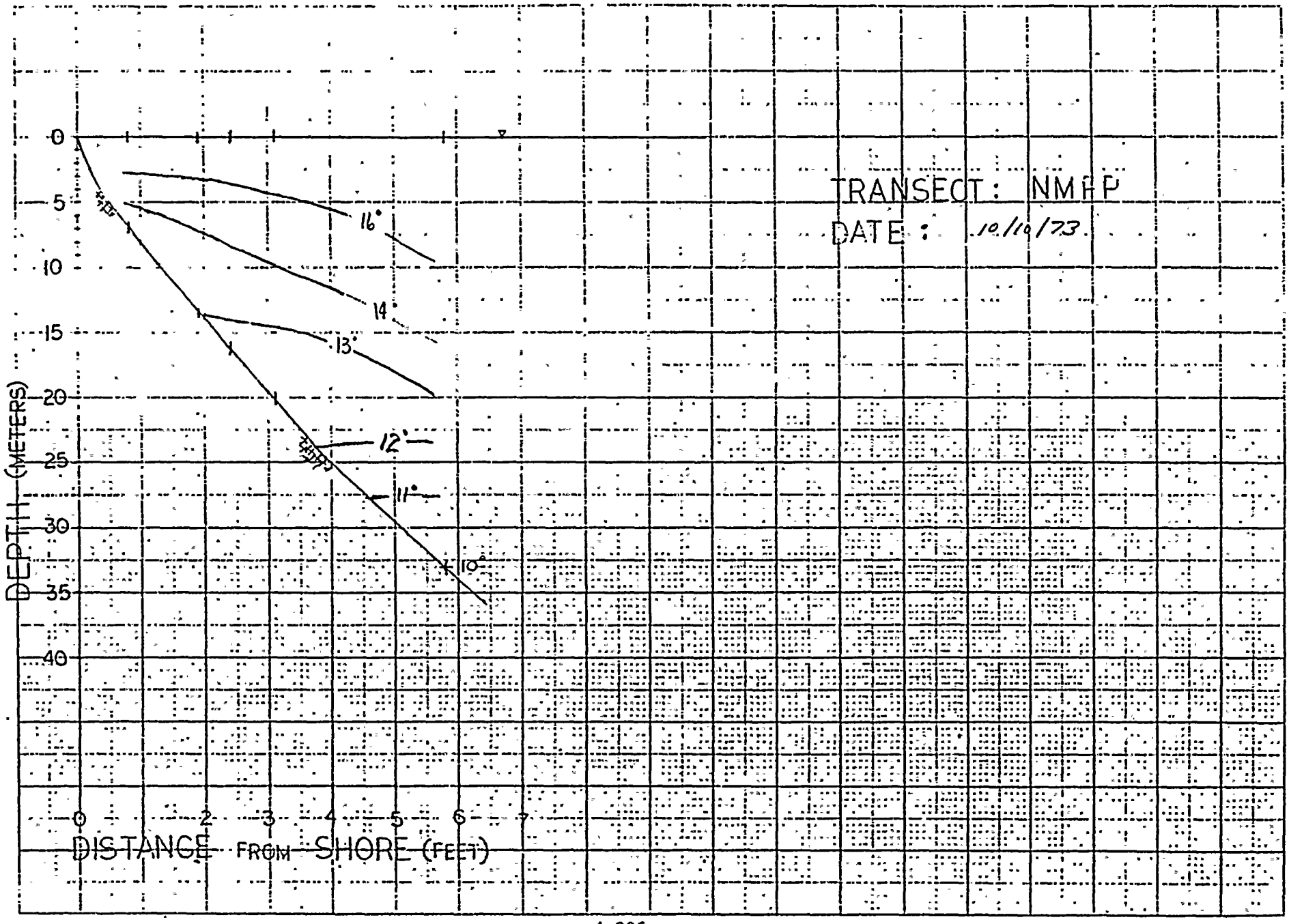

TRANSECT: NMPP
DATE: 8/20/73
23.5
23°
18°
14°
10°
8°
6°
5.9
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

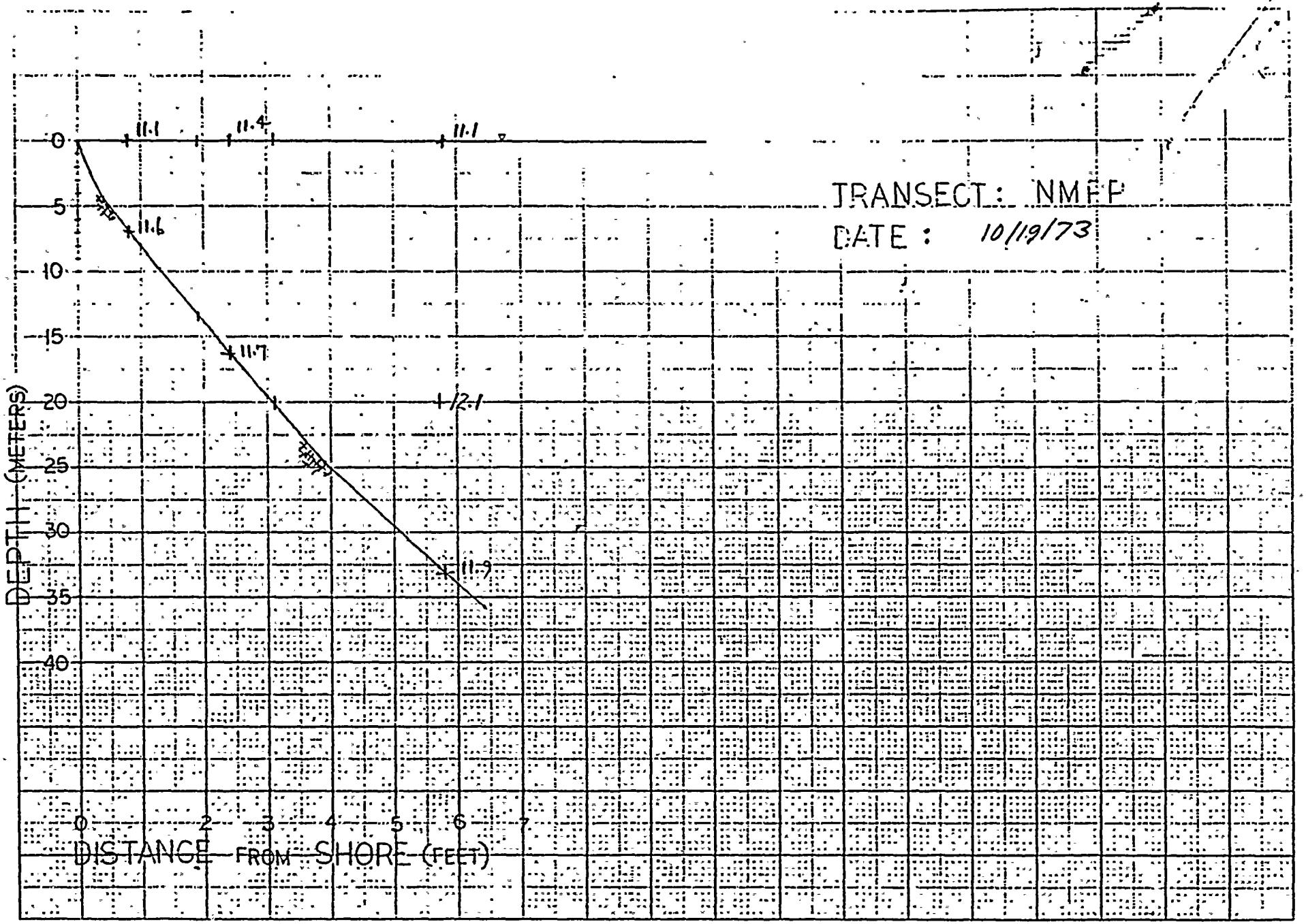

TRANSECT: NMPP
DATE: 8/27/73
25°
23
18°
16
15.2
12.2
0
5
10
15
20
25
30
35
40
DEPTH (METERS)
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

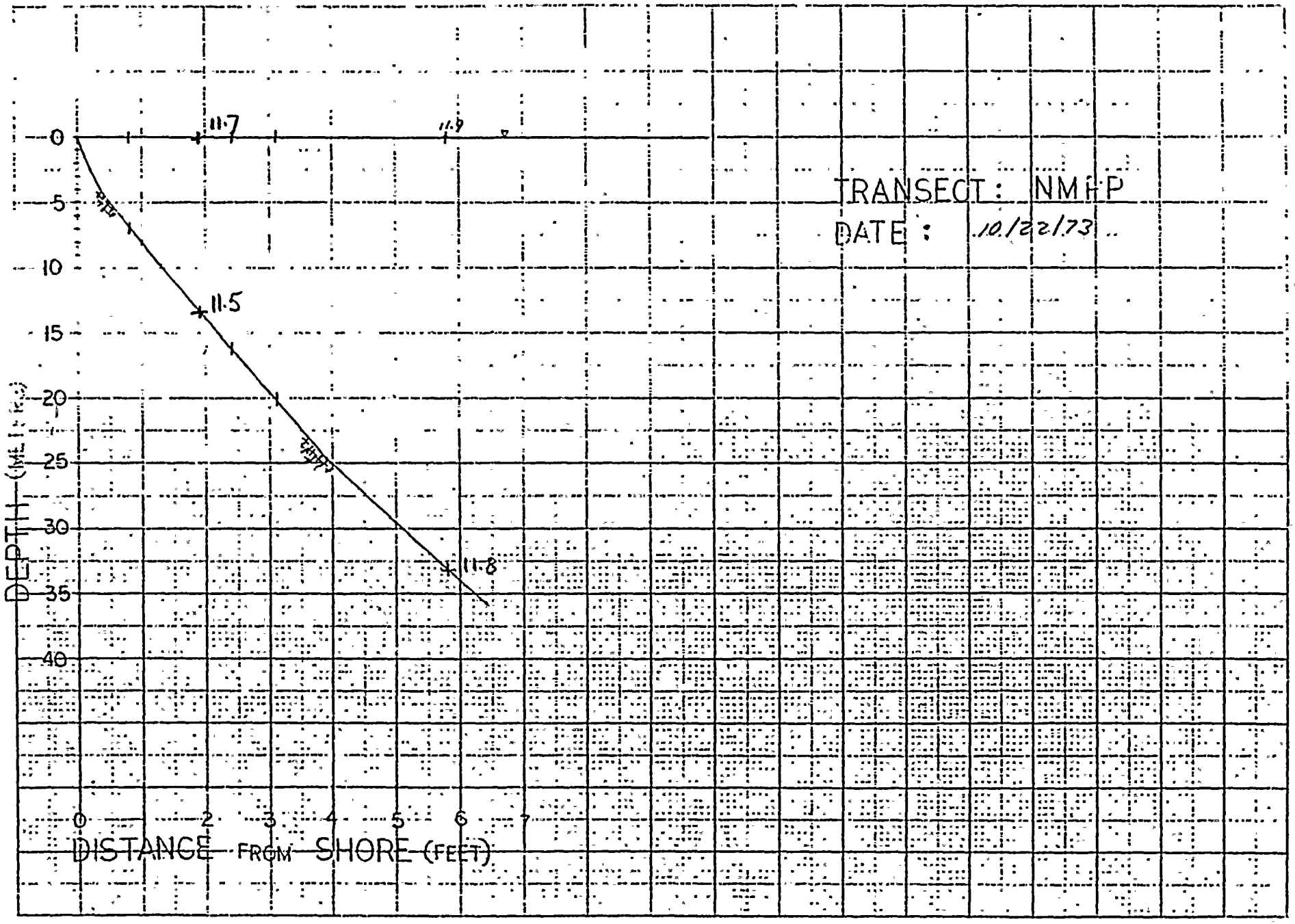

TRANSECT: NMPP
DATE: 9/13/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
24°
23°
22.0
22.0
22.0
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

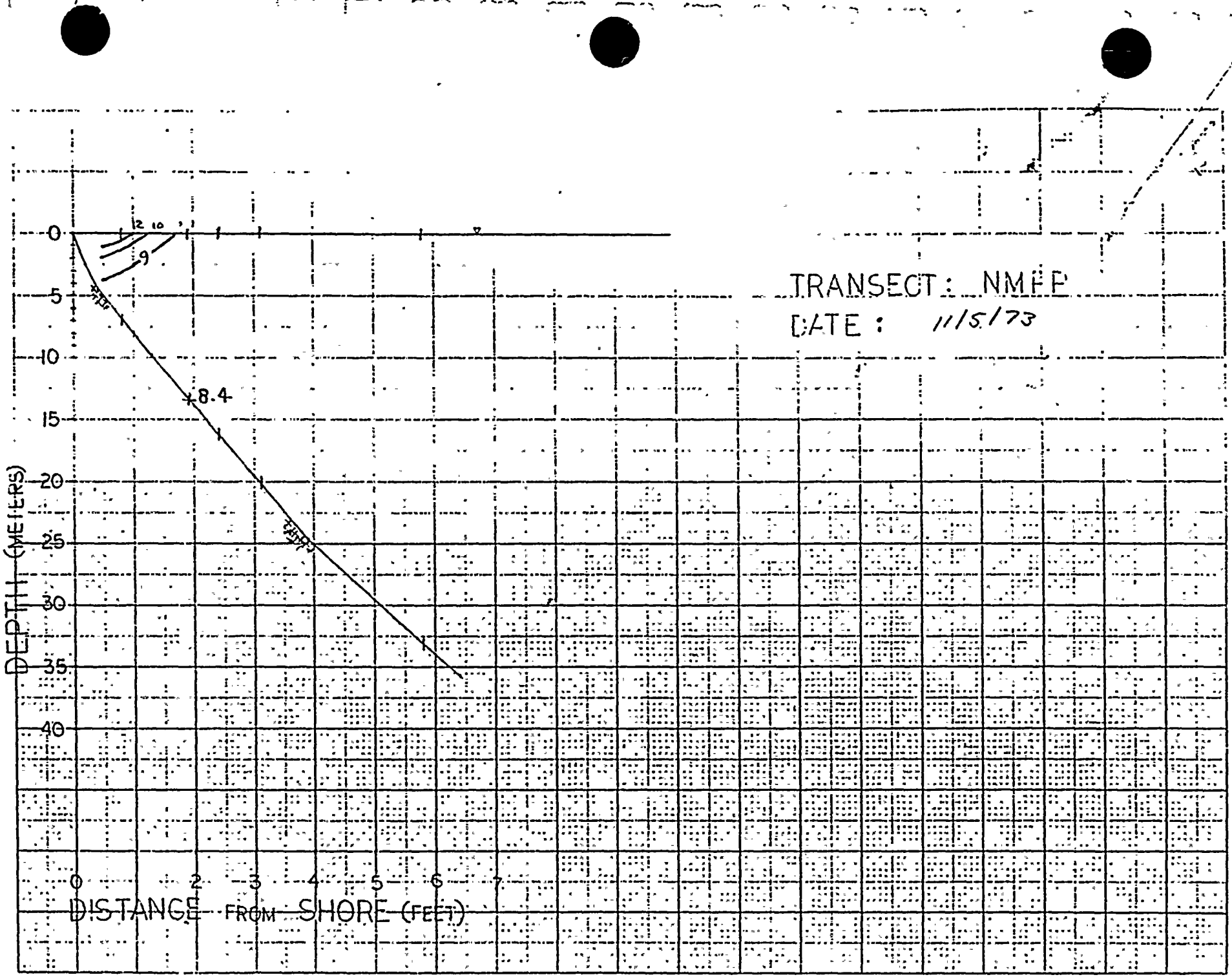

TRANSECT NMPP
DATE: 9/17/73
24
22
20.9
20
16
+7.0
+6.0
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

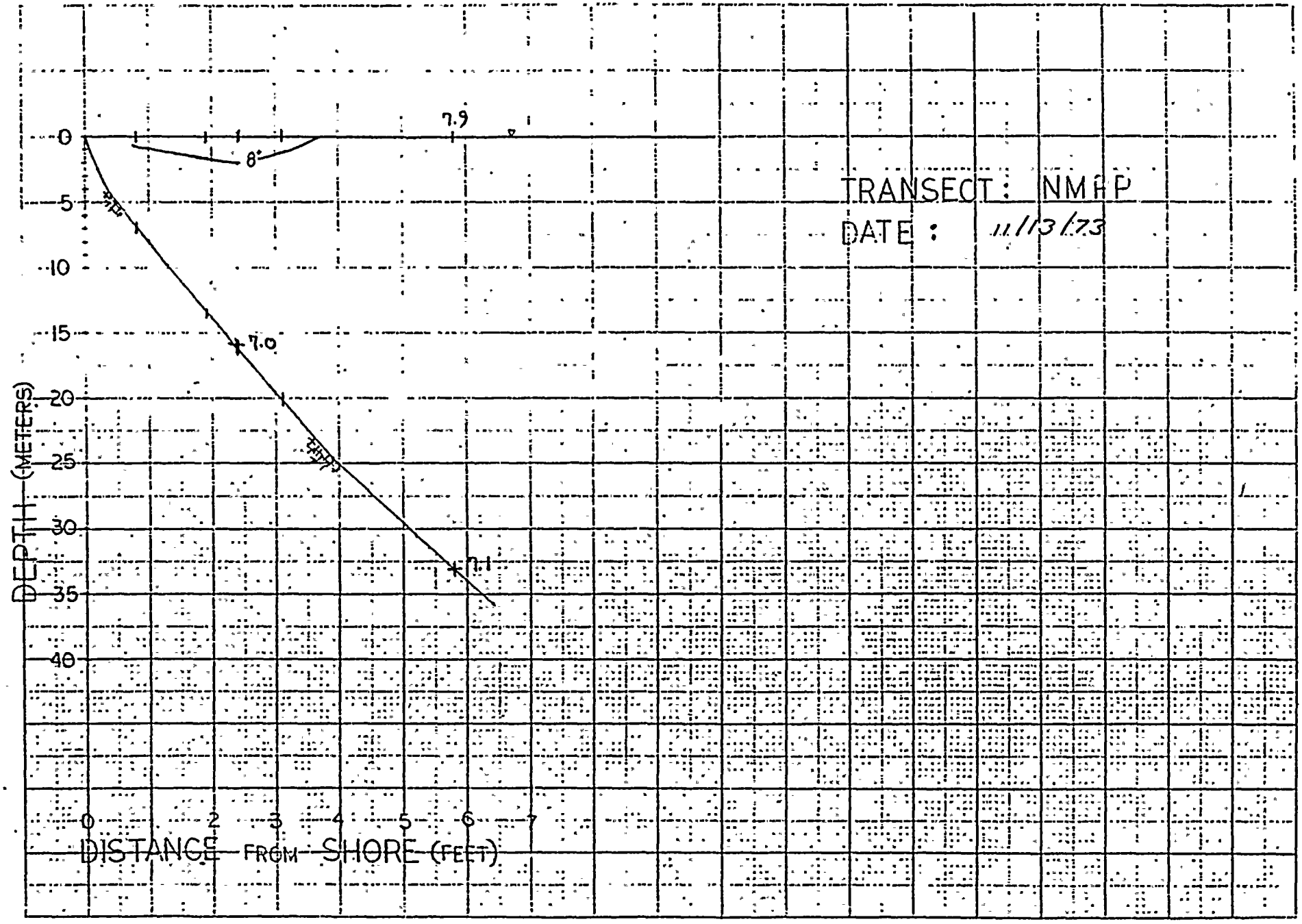

TRANSECT: NMFP
DATE: 9/28/73
18
14
12
10
8
7
6
5
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

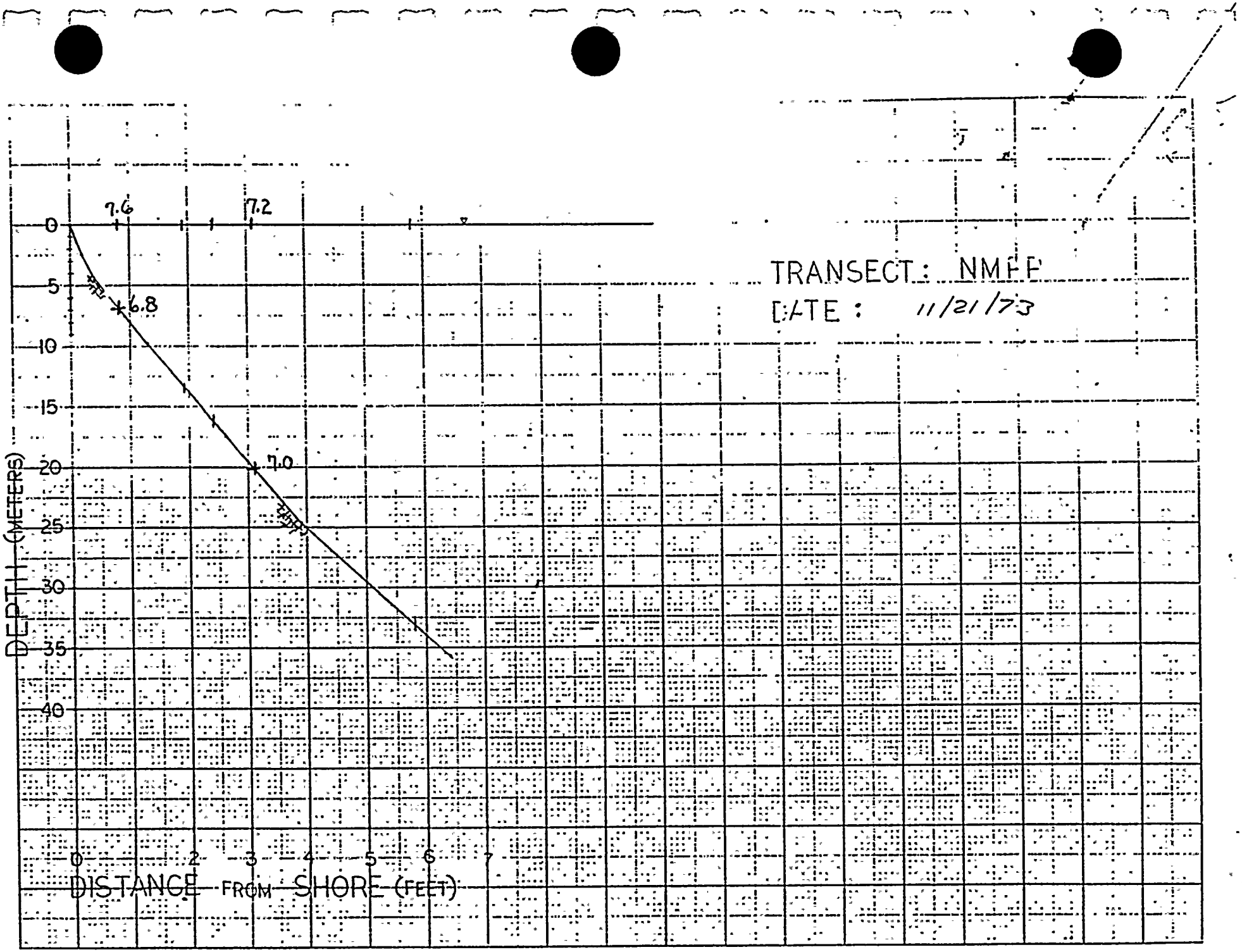

TRANSECT: NMFP
DATE: 10/10/73
16°
14°
13°
12°
11°
10°
0
5
10
15
20
25
30
35
40
DEPTH (METERS)
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

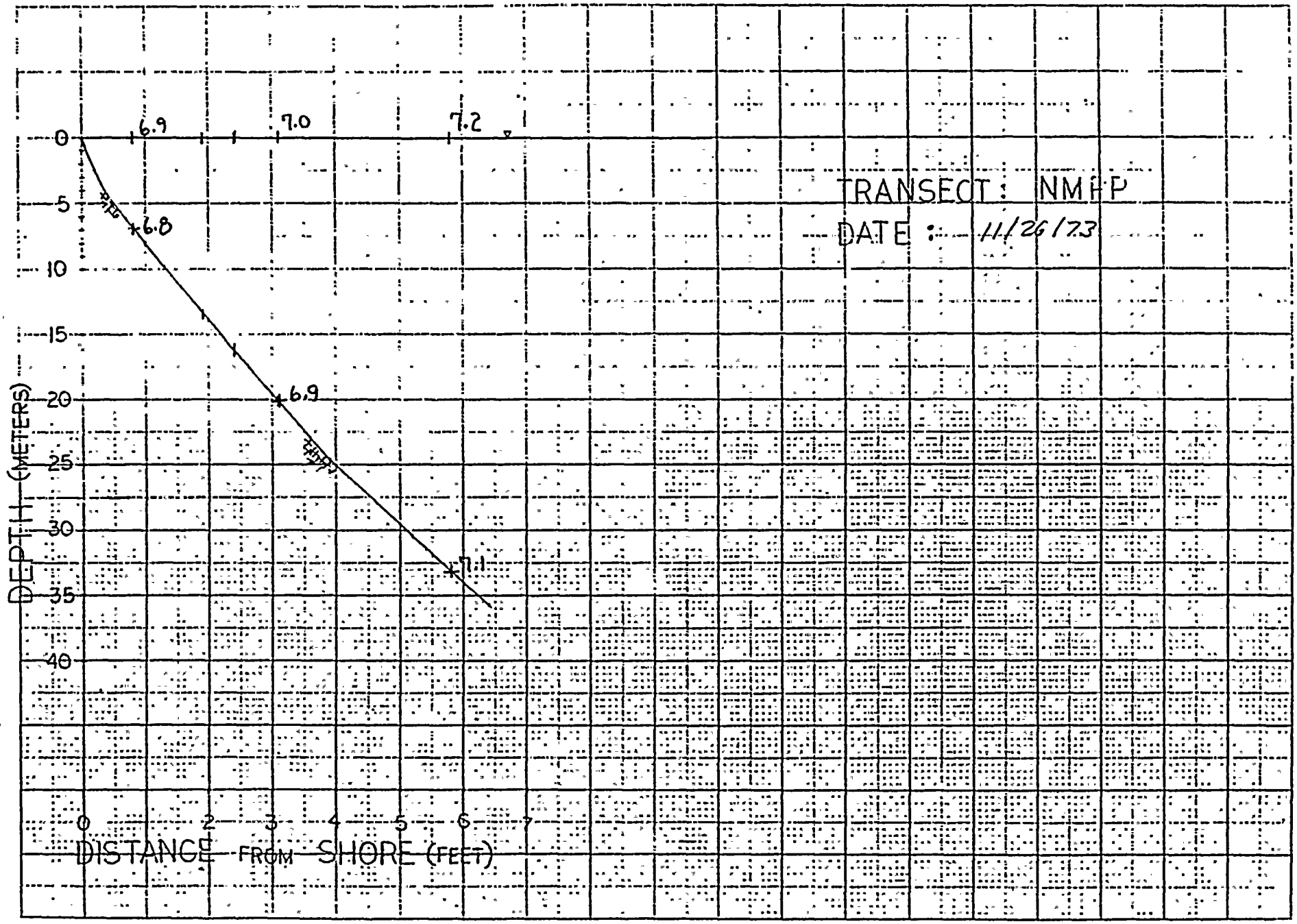

TRANSECT: NMFP
DATE: 10/19/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
11.1
11.4
11.1
11.6
11.7
12.1
11.9
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

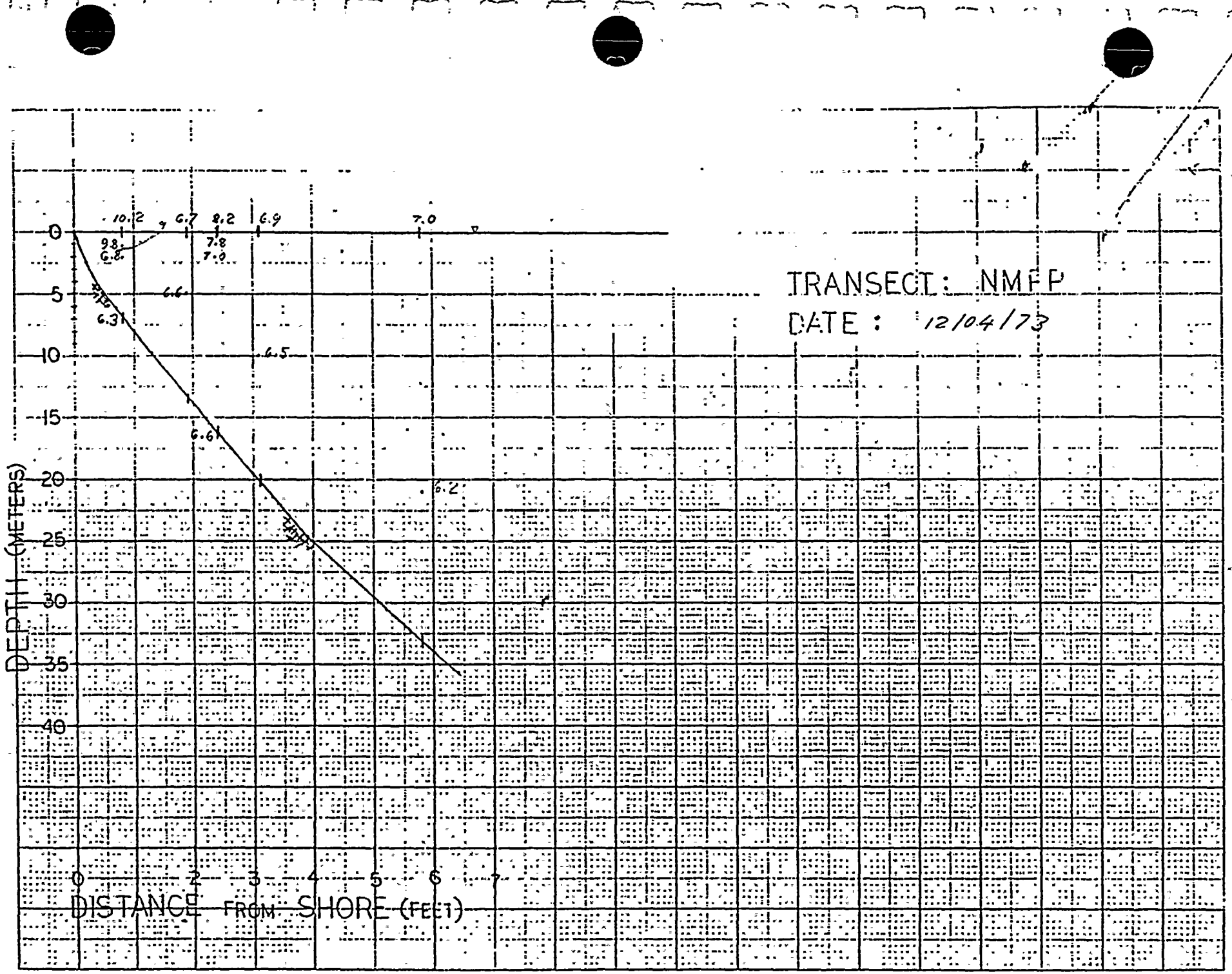

TRANSECT: NMHP
DATE: 10/22/73
11.7
11.9
11.5
11.8
0
5
10
15
20
25
30
35
40
DEPTH (METERS)
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

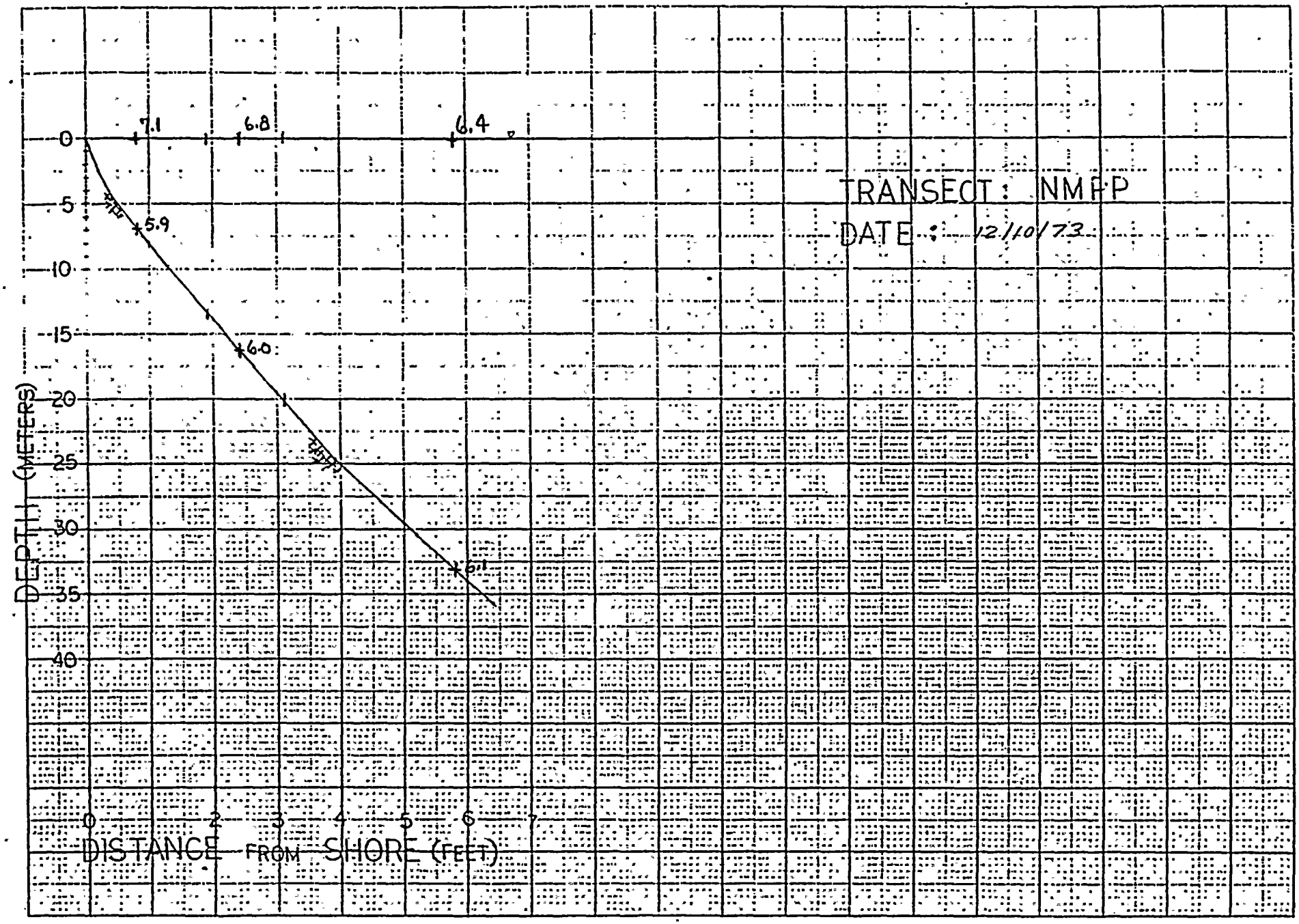

TRANSECT: NMFP
DATE: 11/5/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
12
10
9
8.4
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)


TRANSECT: NMFP
DATE: 11/13/73
7.9
8°
7.0
7.1
0
5
10
15
20
25
30
35
40
DEPTH (METERS)
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)


TRANSECT: NMFP
DATE: 11/21/73
7.6
7.2
6.8
7.0
0
5
10
15
20
25
30
35
40
DEPTH (METERS)
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)


6.9
7.0
7.2
6.8
6.9
7.1
TRANSECT: NMFP
DATE: 11/26/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

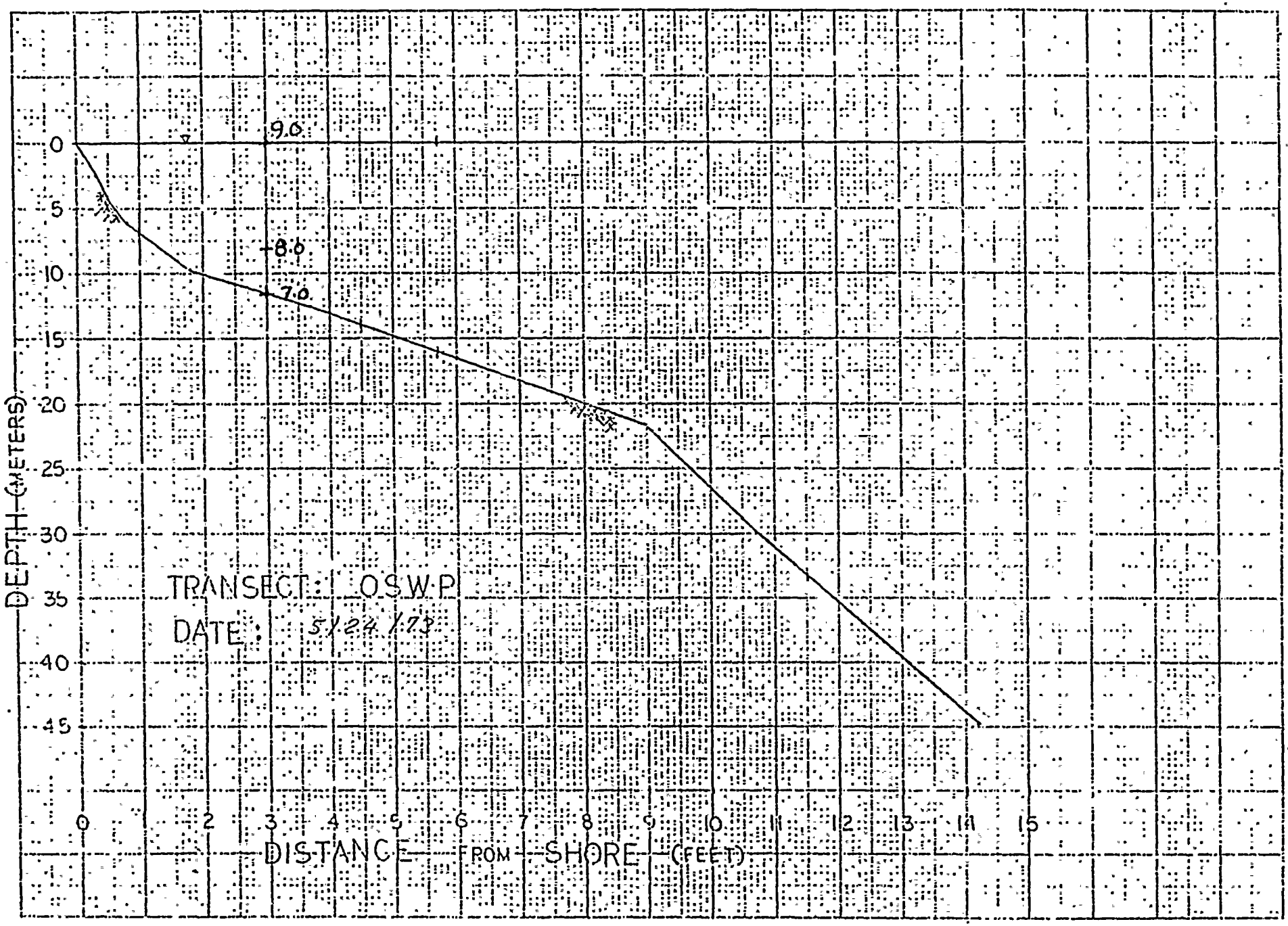

TRANSECT: NMFP
DATE: 12/04/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
10.2
6.7
8.2
6.9
7.0
9.8
6.8
7.8
7.9
6.6
6.3
6.5
6.6
6.2
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

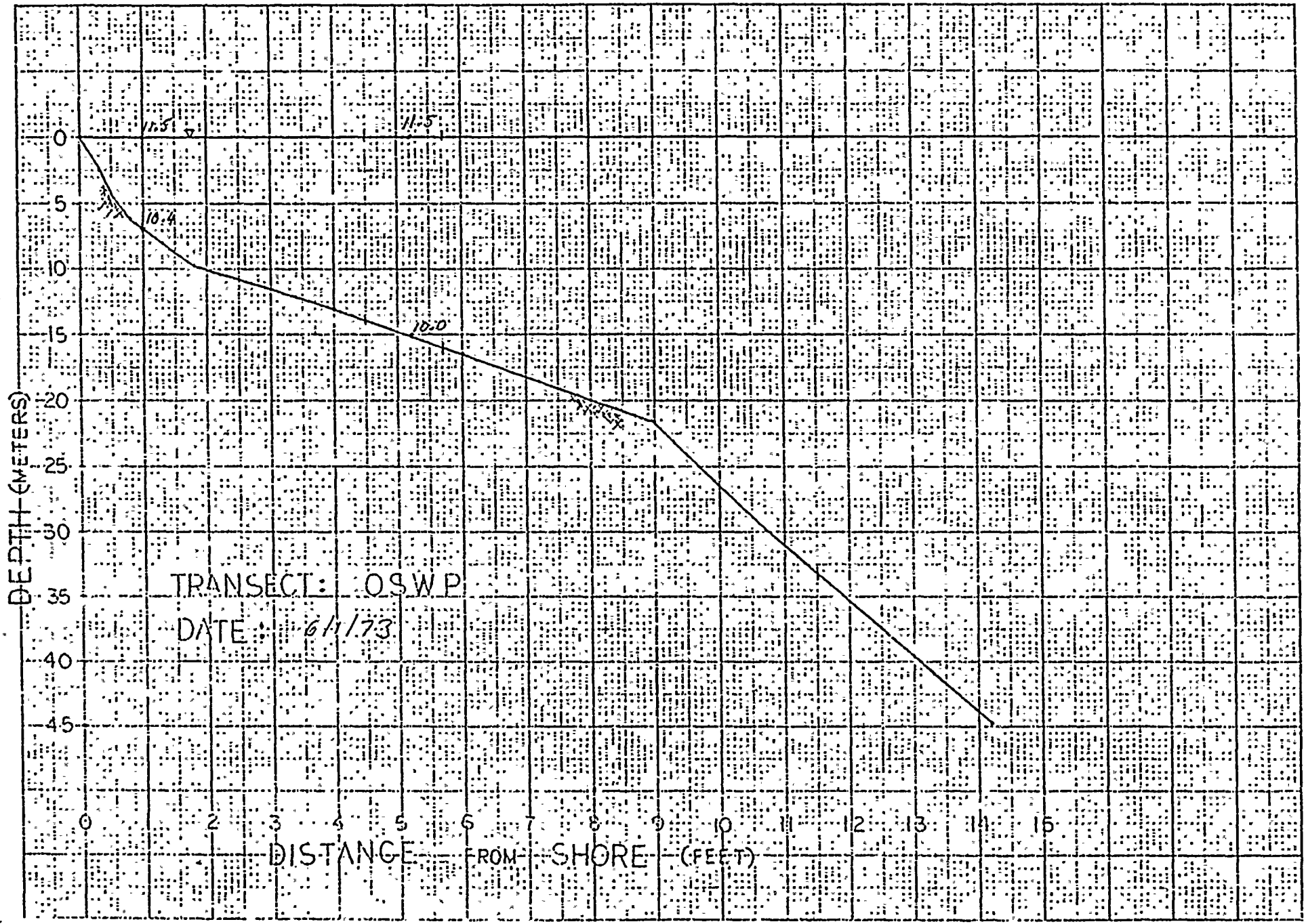

TRANSECT: NMFP
DATE: 12/10/73
7.1
6.8
6.4
5.9
6.0
6.1
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
0
2
3
4
5
6
7
DISTANCE FROM SHORE (FEET)

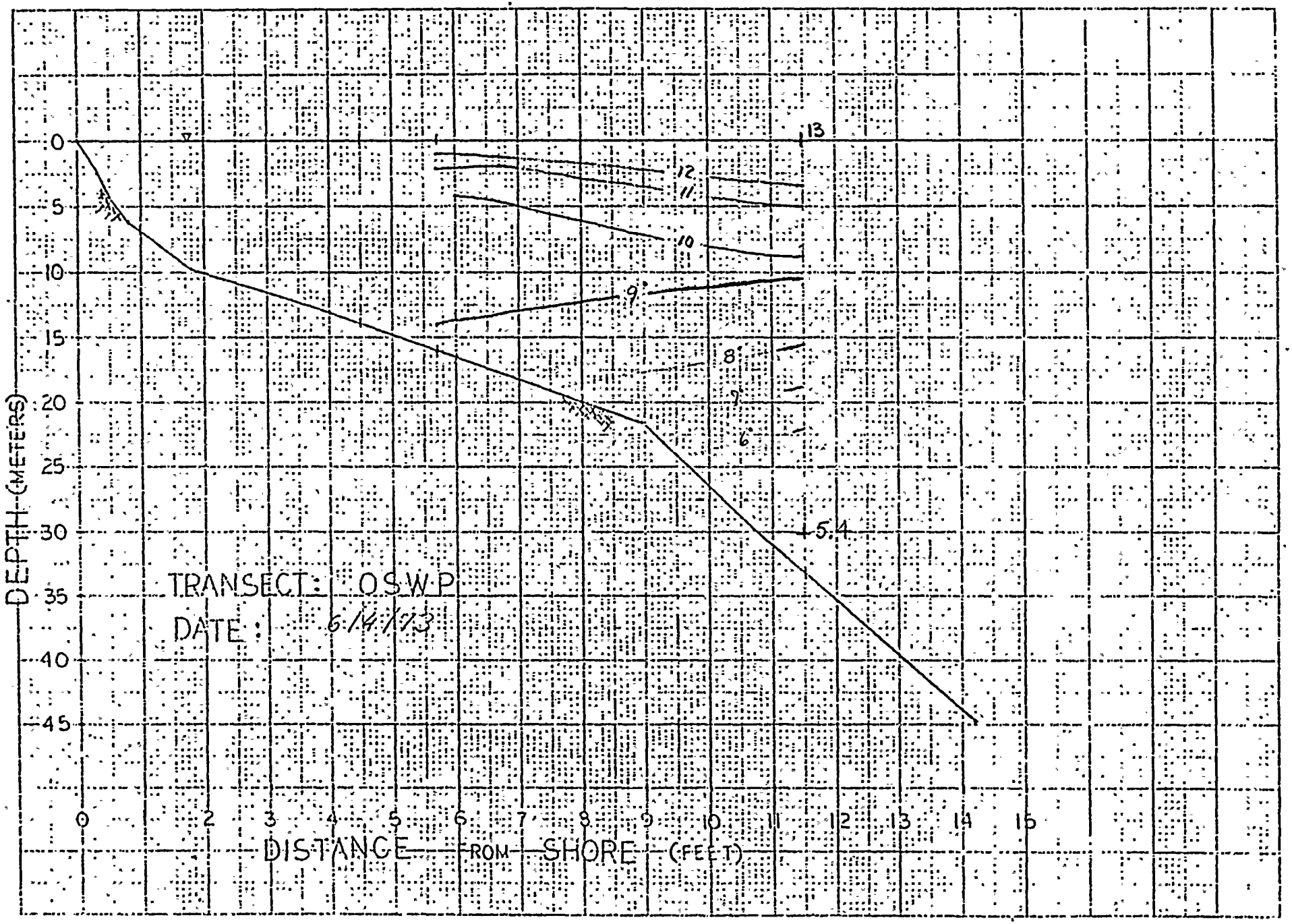
Temperature Profiles

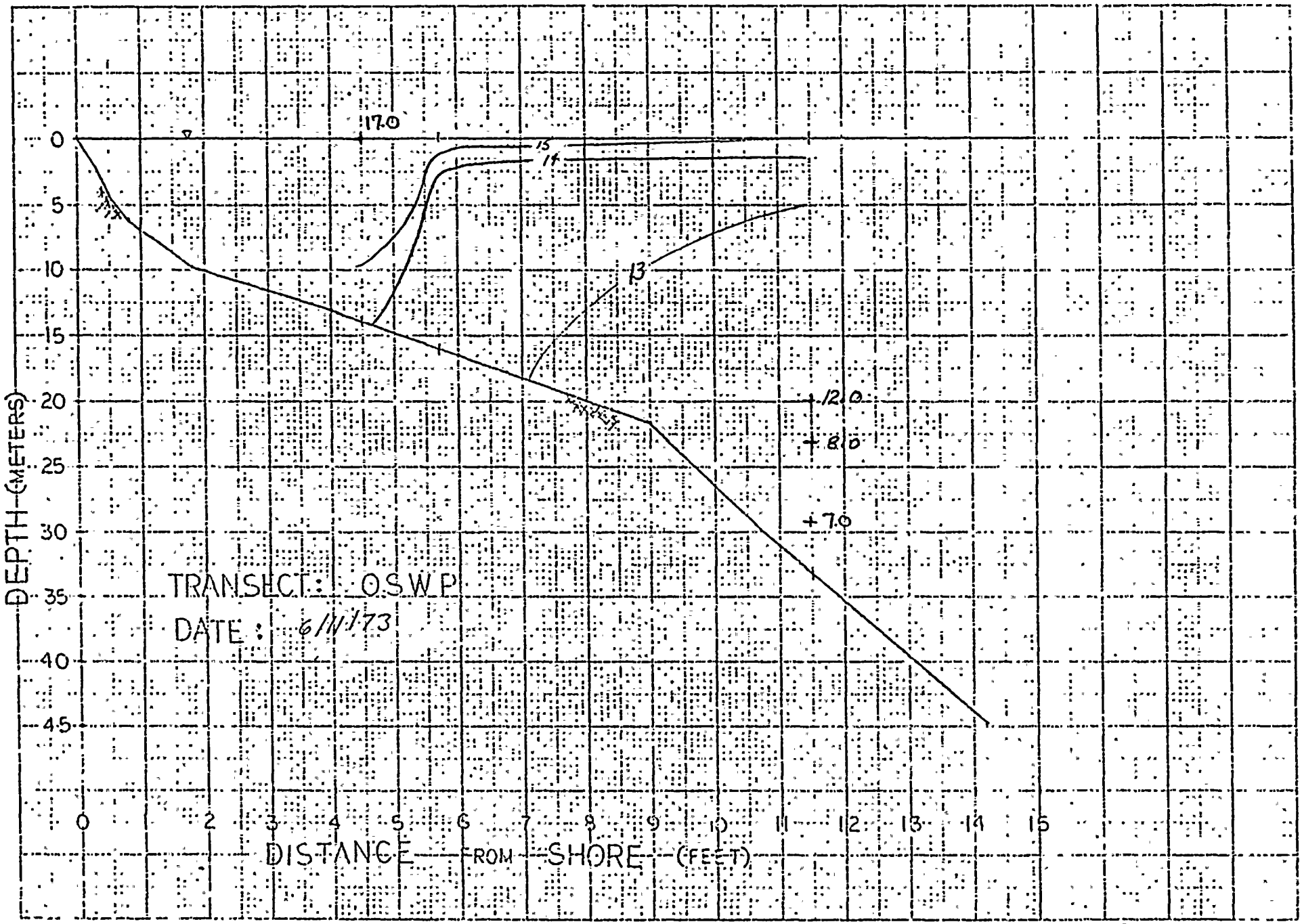
OSWEGO STEAM STATION TRANSECT

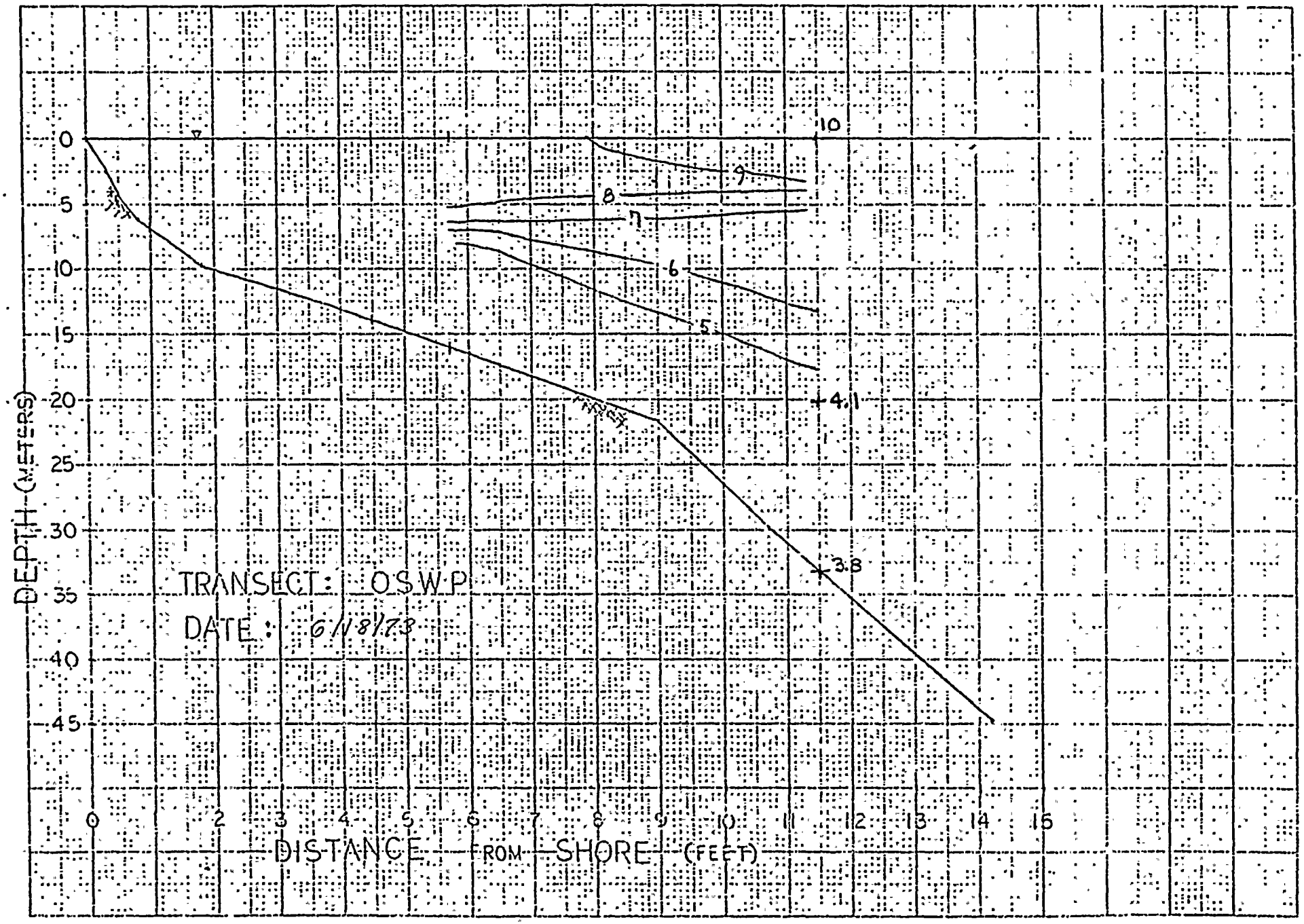
May 30 - December 10, 1973

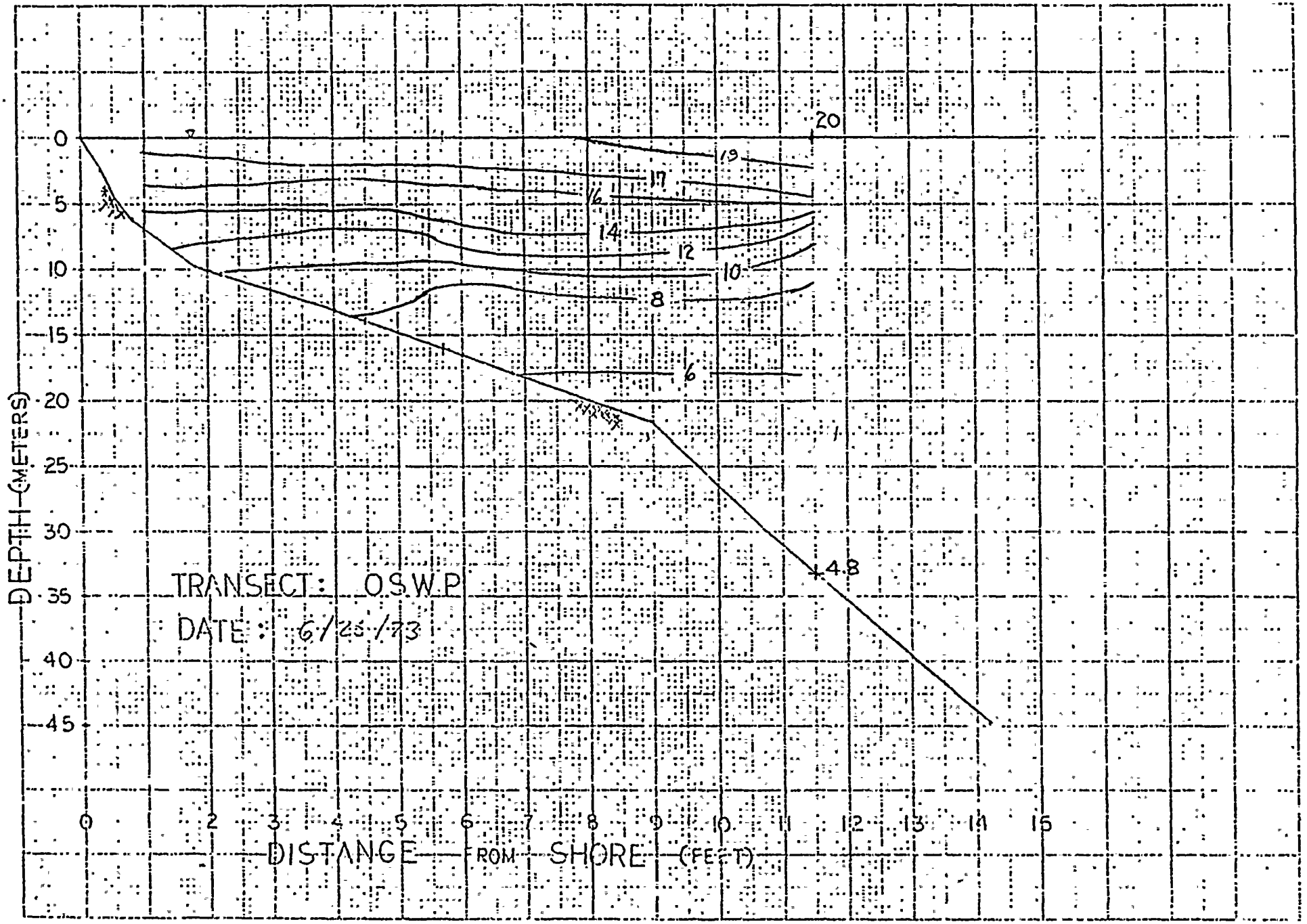

9.0
8.0
7.0
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
TRANSECT: OSWP
DATE: 5/24/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

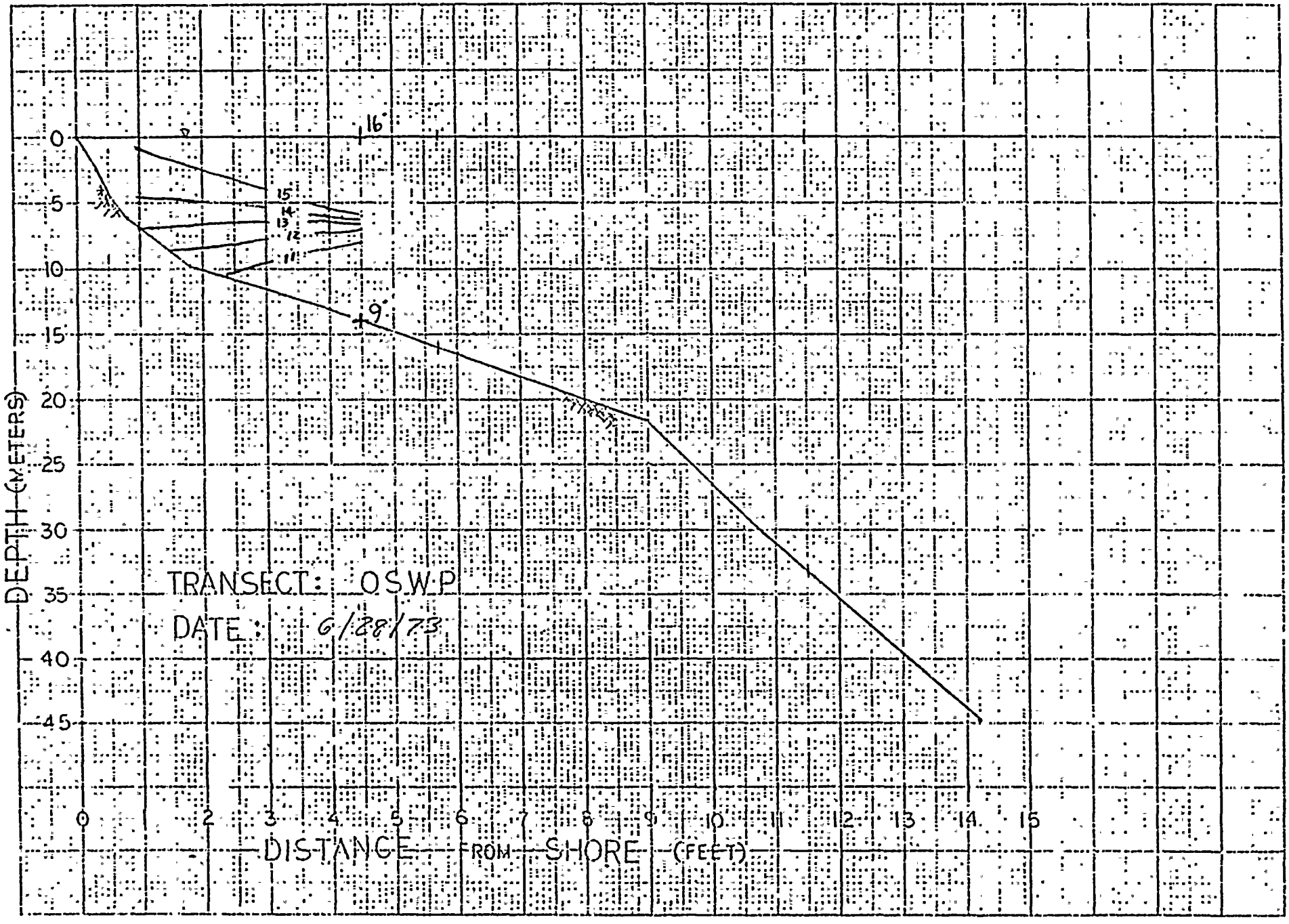

11.5
11.5
10.4
10.0
TRANSECT: OSWP
DATE: 6/1/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

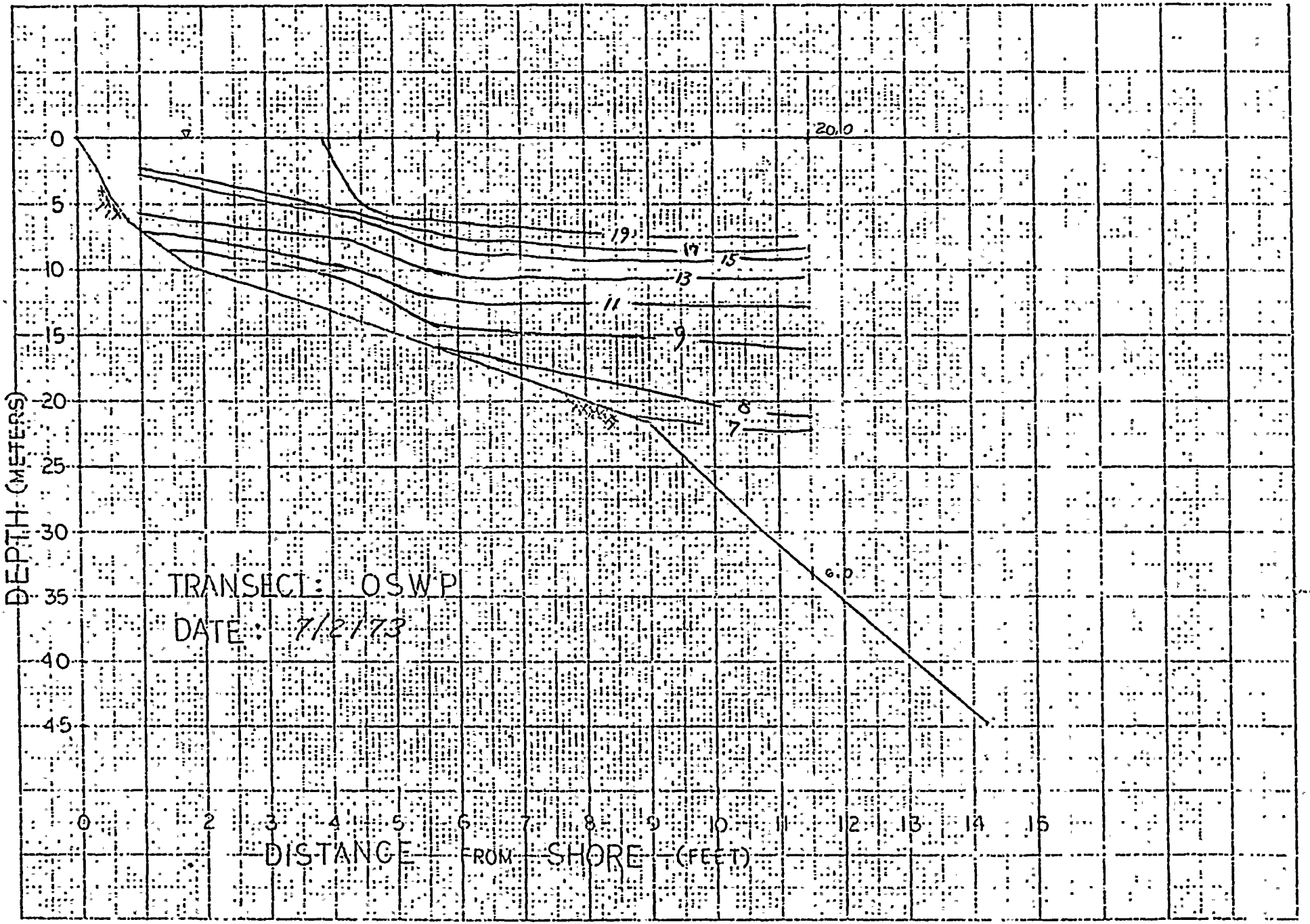

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
TRANSECT: OSWP
DATE: 6/14/73
13
12
11
10
9
8
7
6
5.4
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

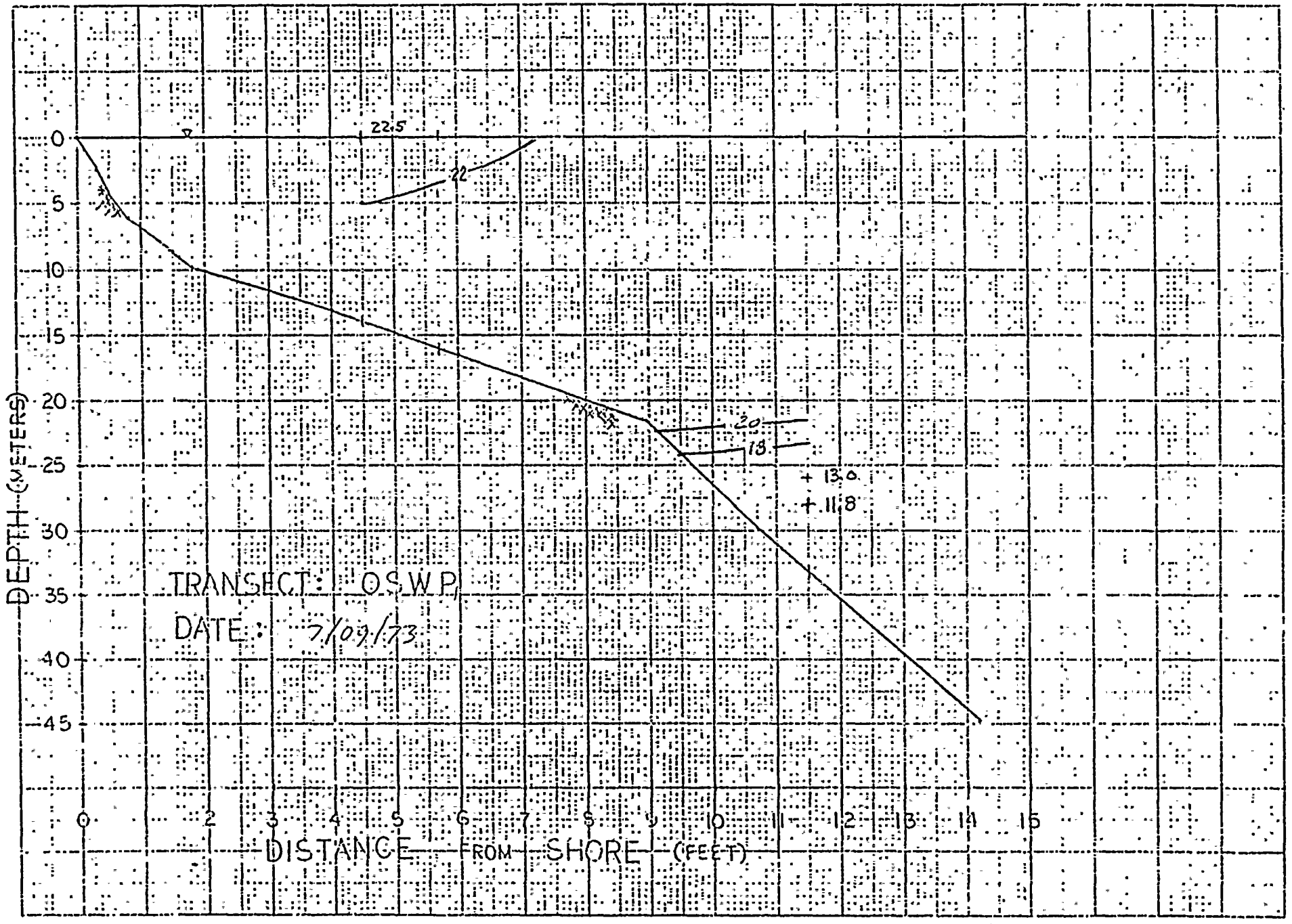

17.0
15
14
13
12.0
+8.0
+7.0
DEPTH-(METERS)
0
5
10
15
20
25
30
35
40
45
TRANSECT: OSWP
DATE: 6/14/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

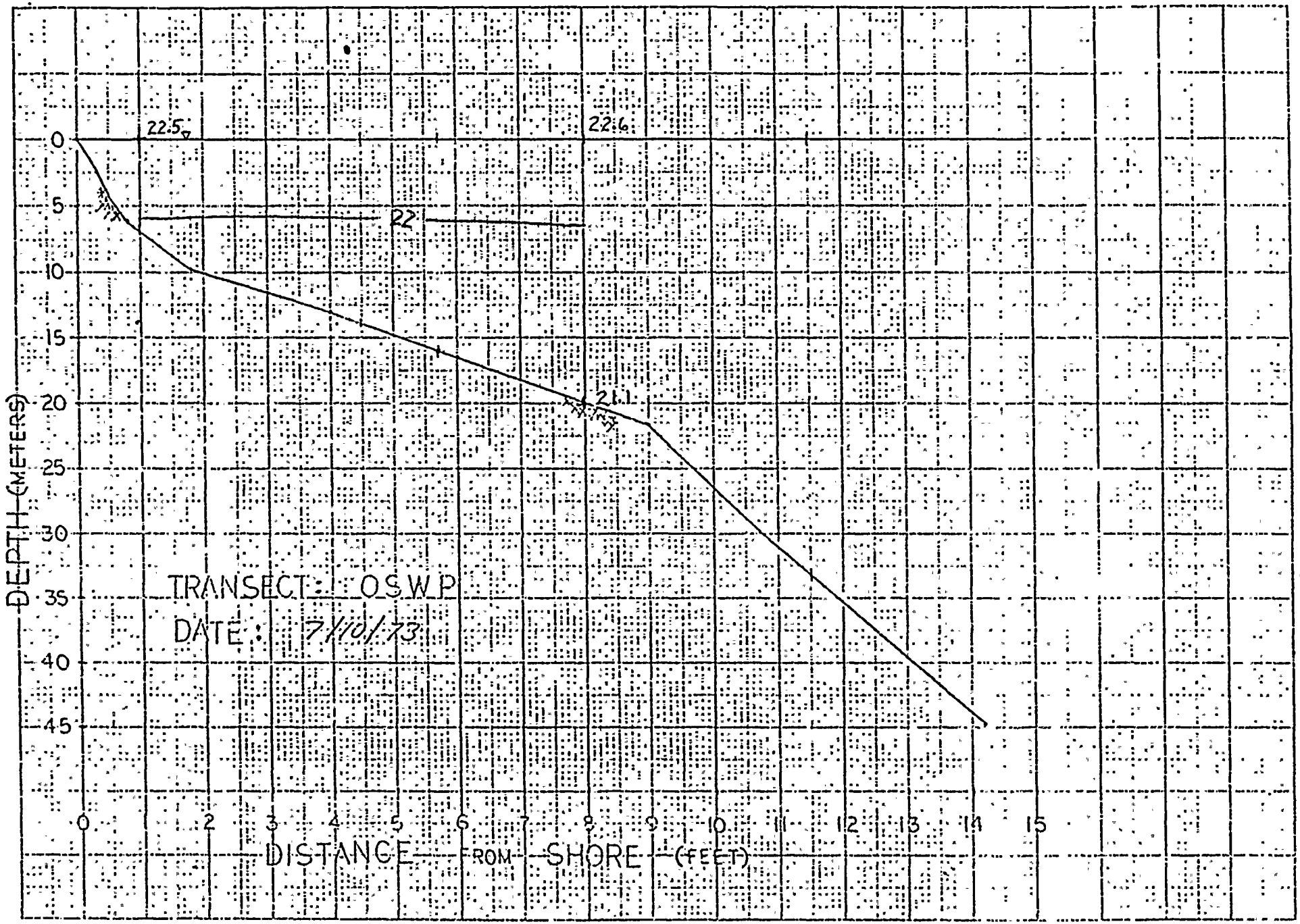

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)
TRANSECT: OSWP
DATE: 6/18/73
9
8
7
6
5
4.1
3.8

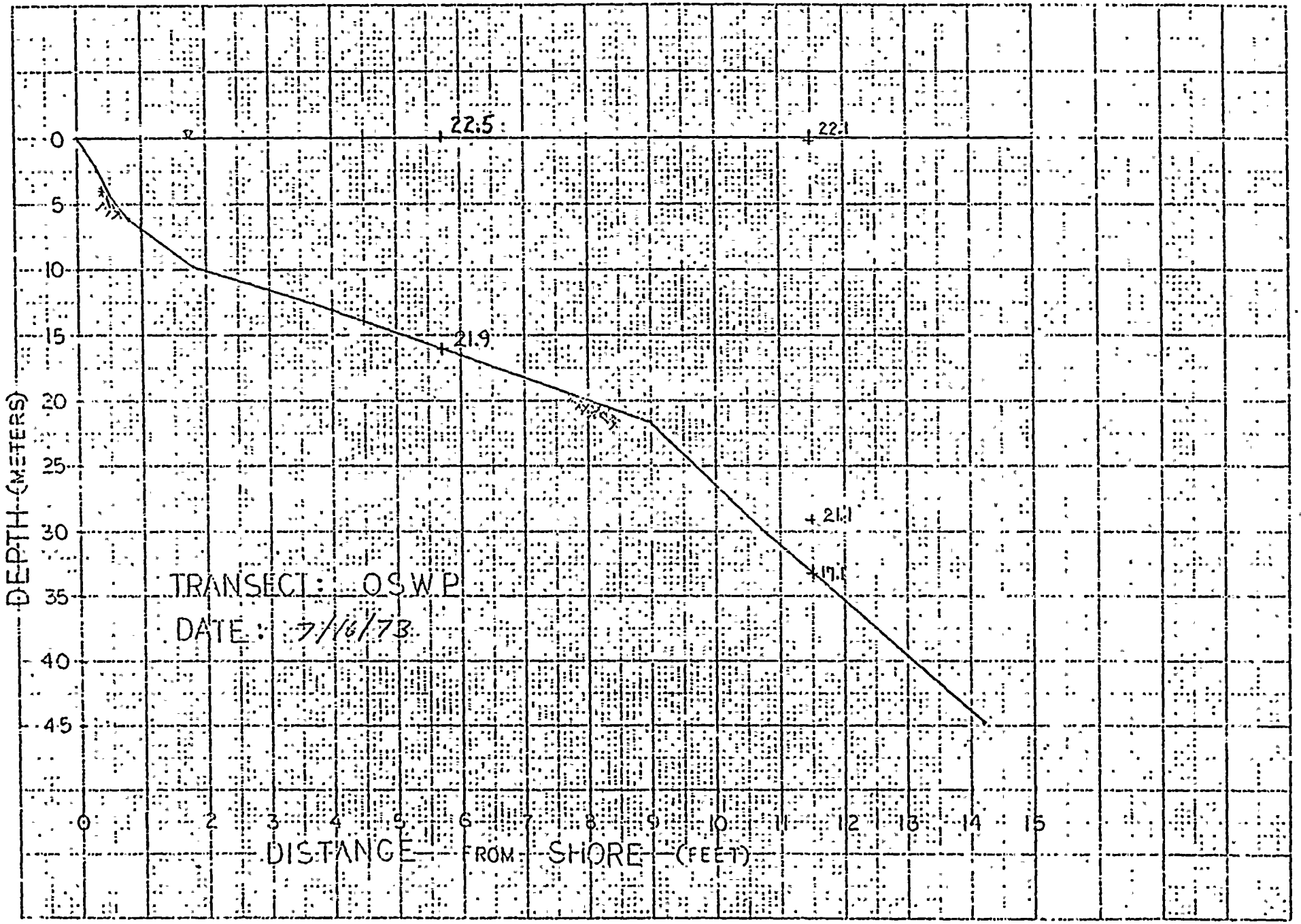

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
20
19
17
16
14
12
10
8
6
4.8
TRANSECT: OSWP
DATE: 6/25/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

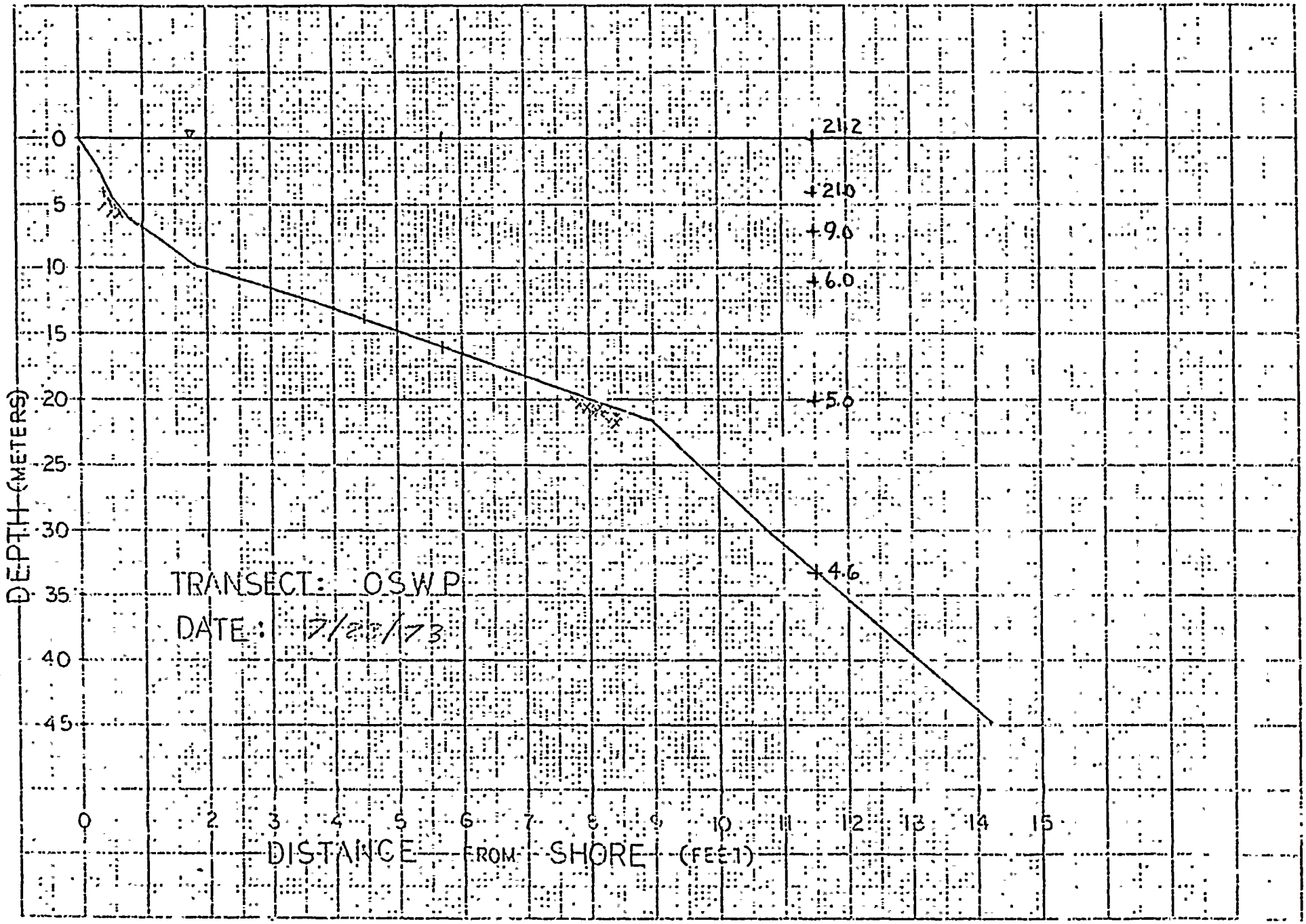

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
16
15
14
13
12
11
9
TRANSECT: OSWP
DATE: 6/28/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

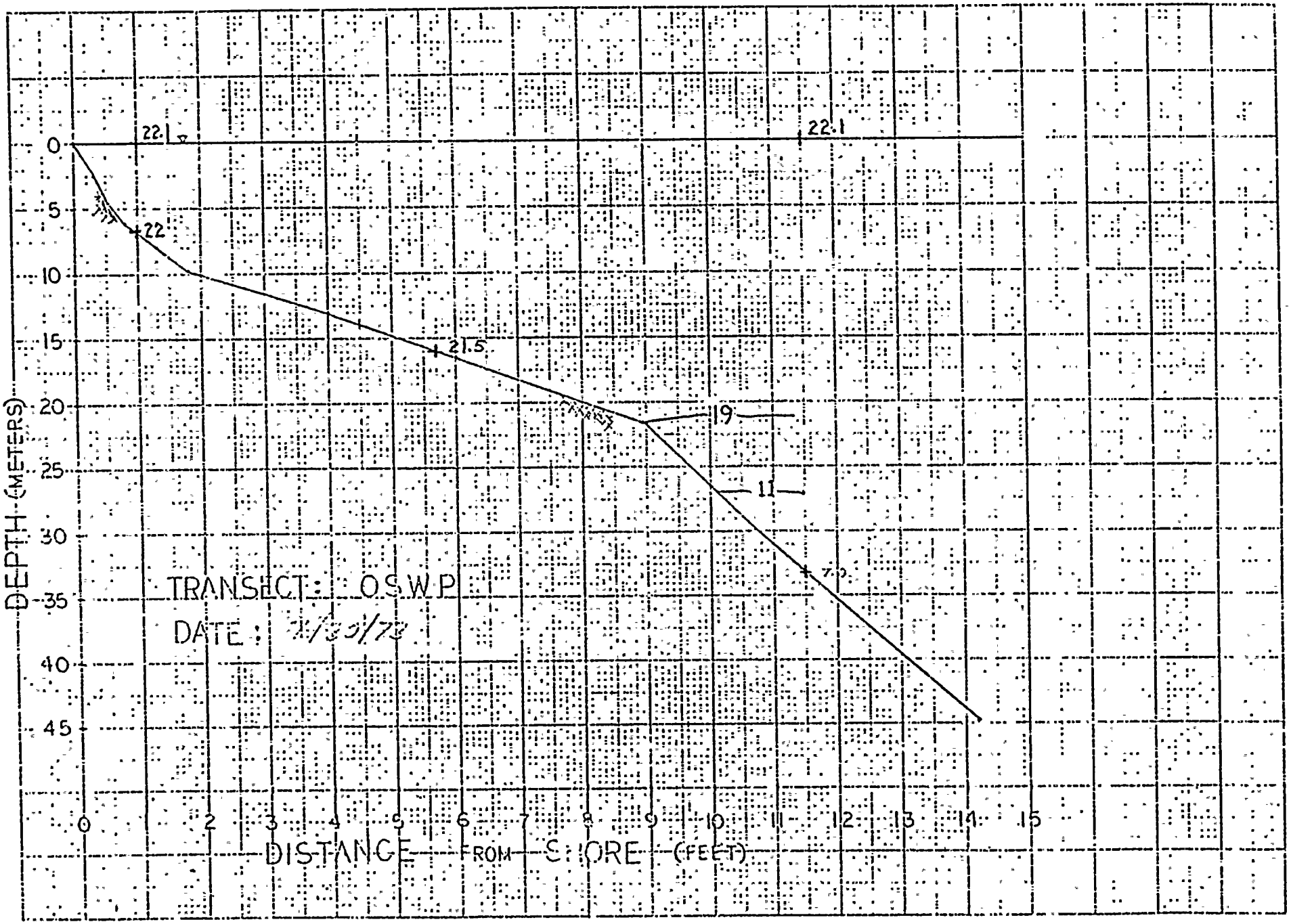

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
20.0
19
17
15
13
11
9
8
7
6.0
TRANSECT: OSWP
DATE: 7/2/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

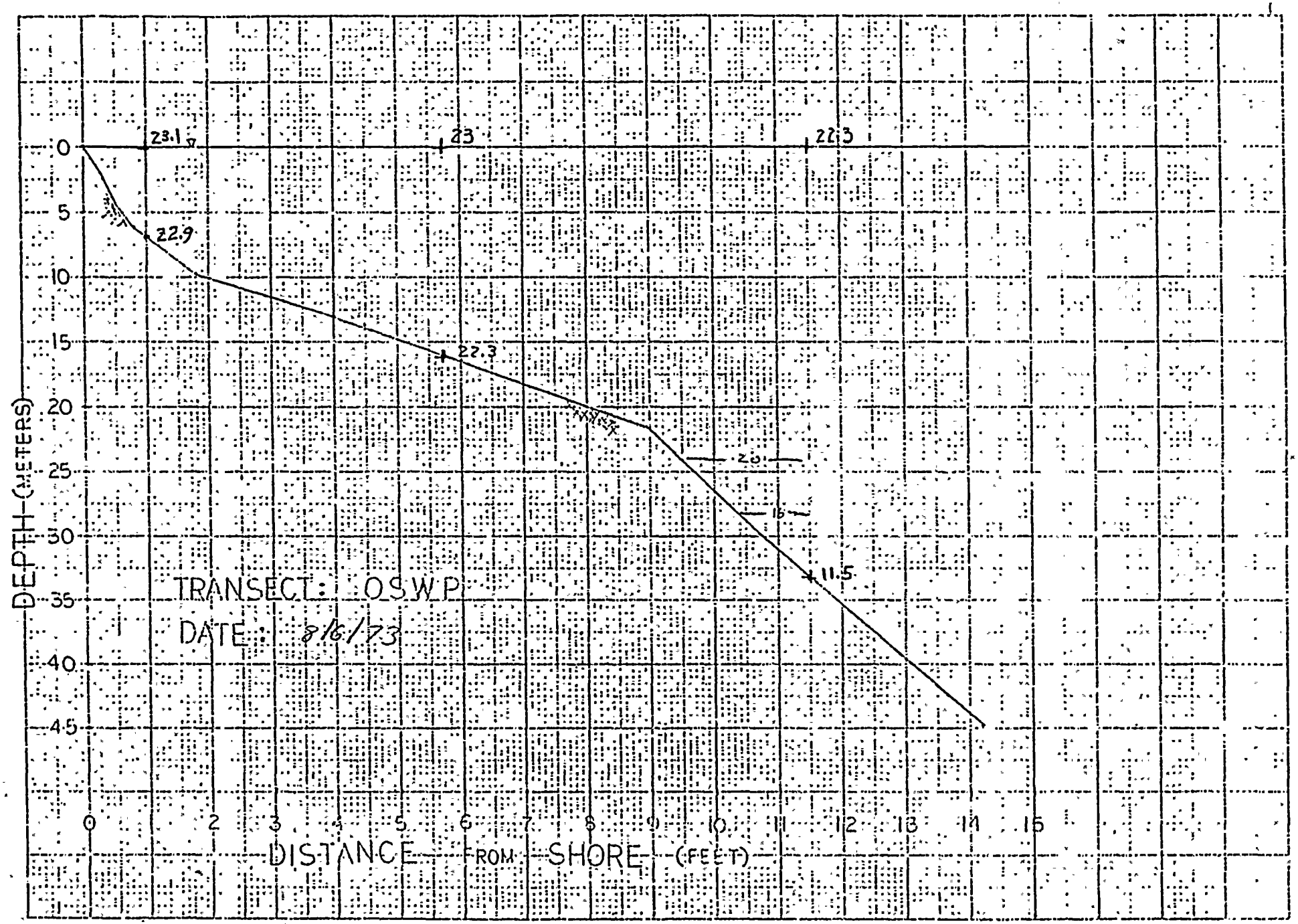

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
22.5
22
20
18
+ 13.0
+ 11.8
TRANSECT: OSWP
DATE: 7/09/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

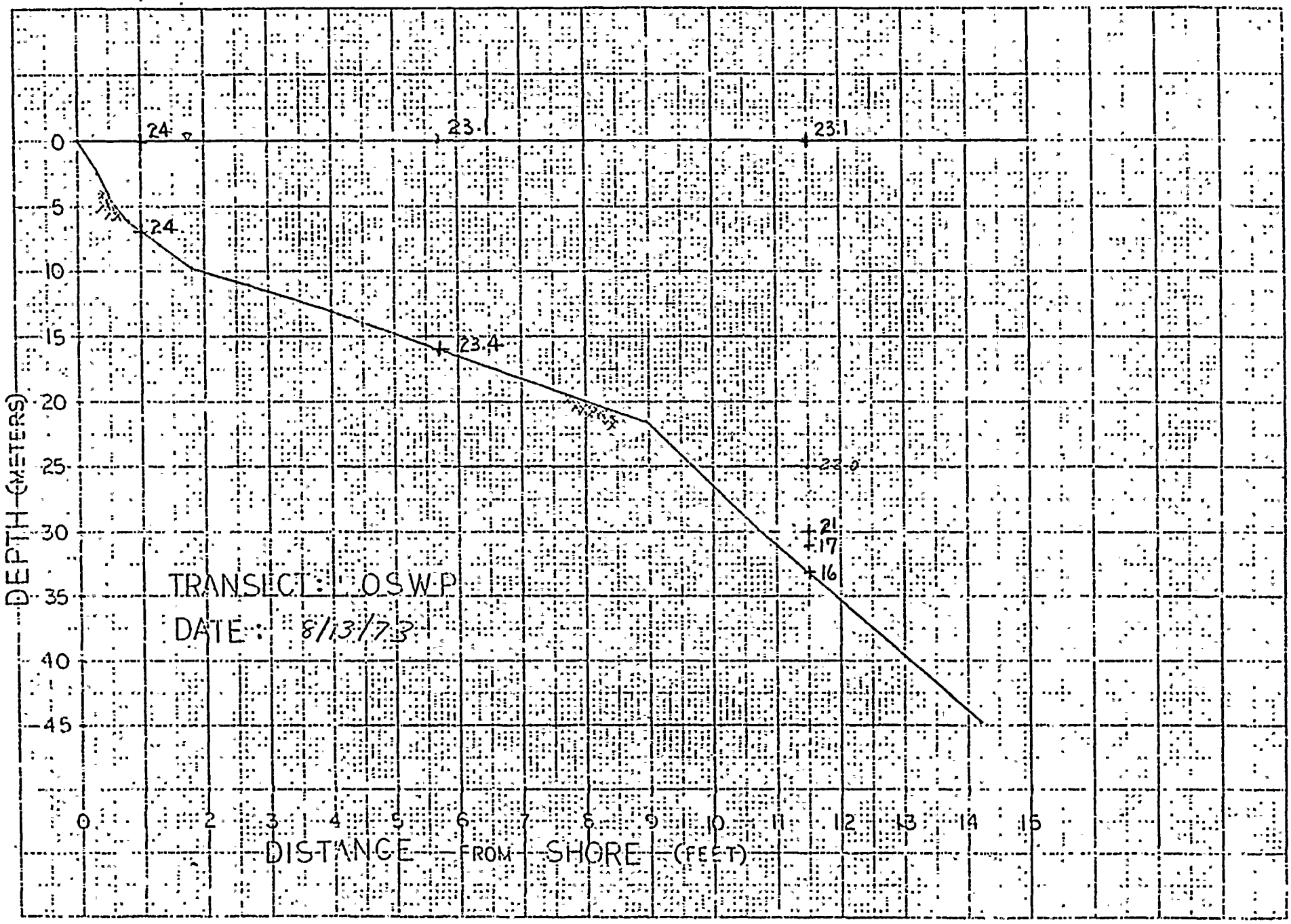

22.5
22.6
22
21.1
0
5
10
15
20
25
30
35
40
45
DEPTH (METERS)
TRANSECT: OSWP
DATE: 7/10/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

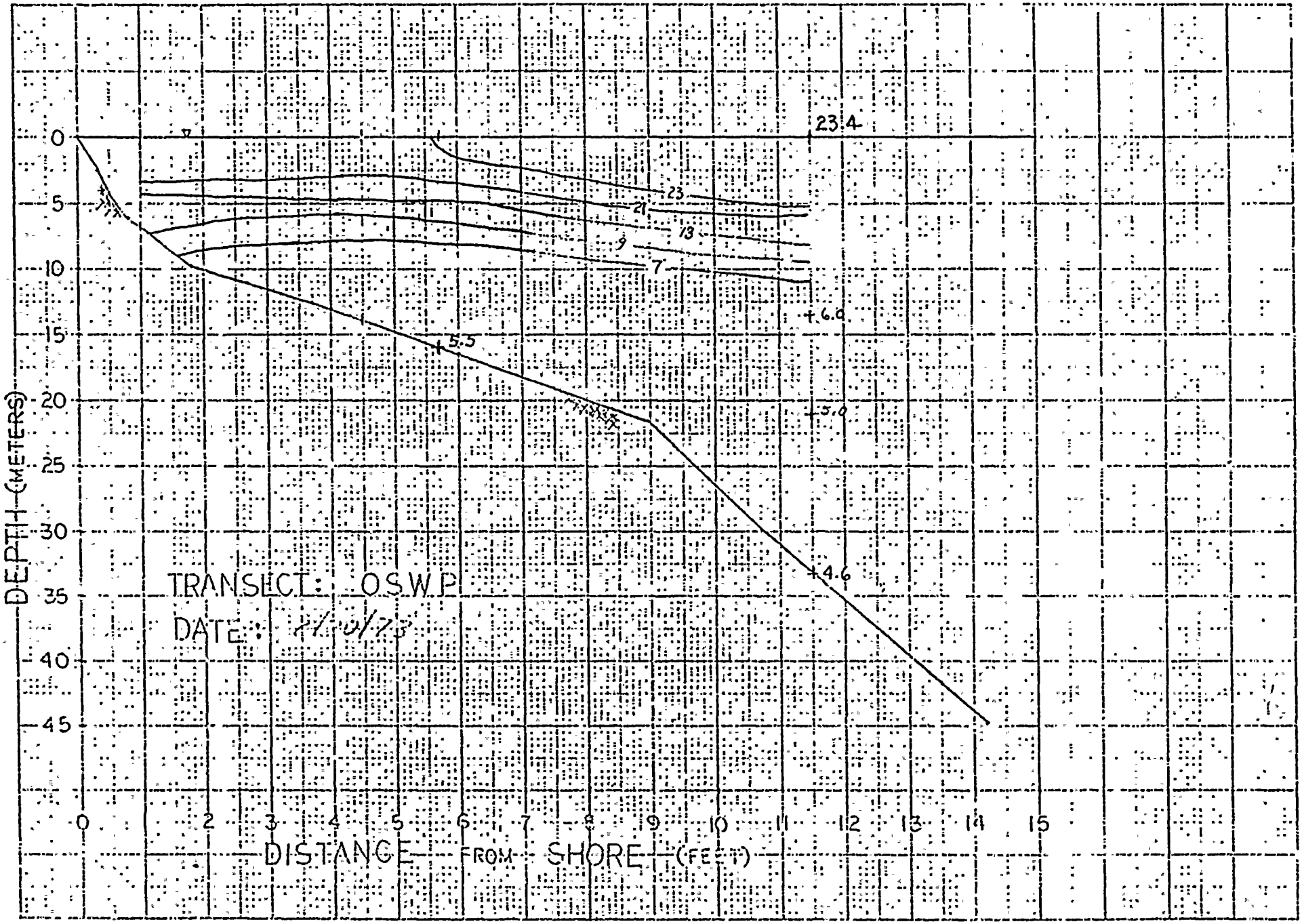

22.5
22.1
21.9
21.1
17.1
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
TRANSECT: OSWP
DATE: 7/16/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

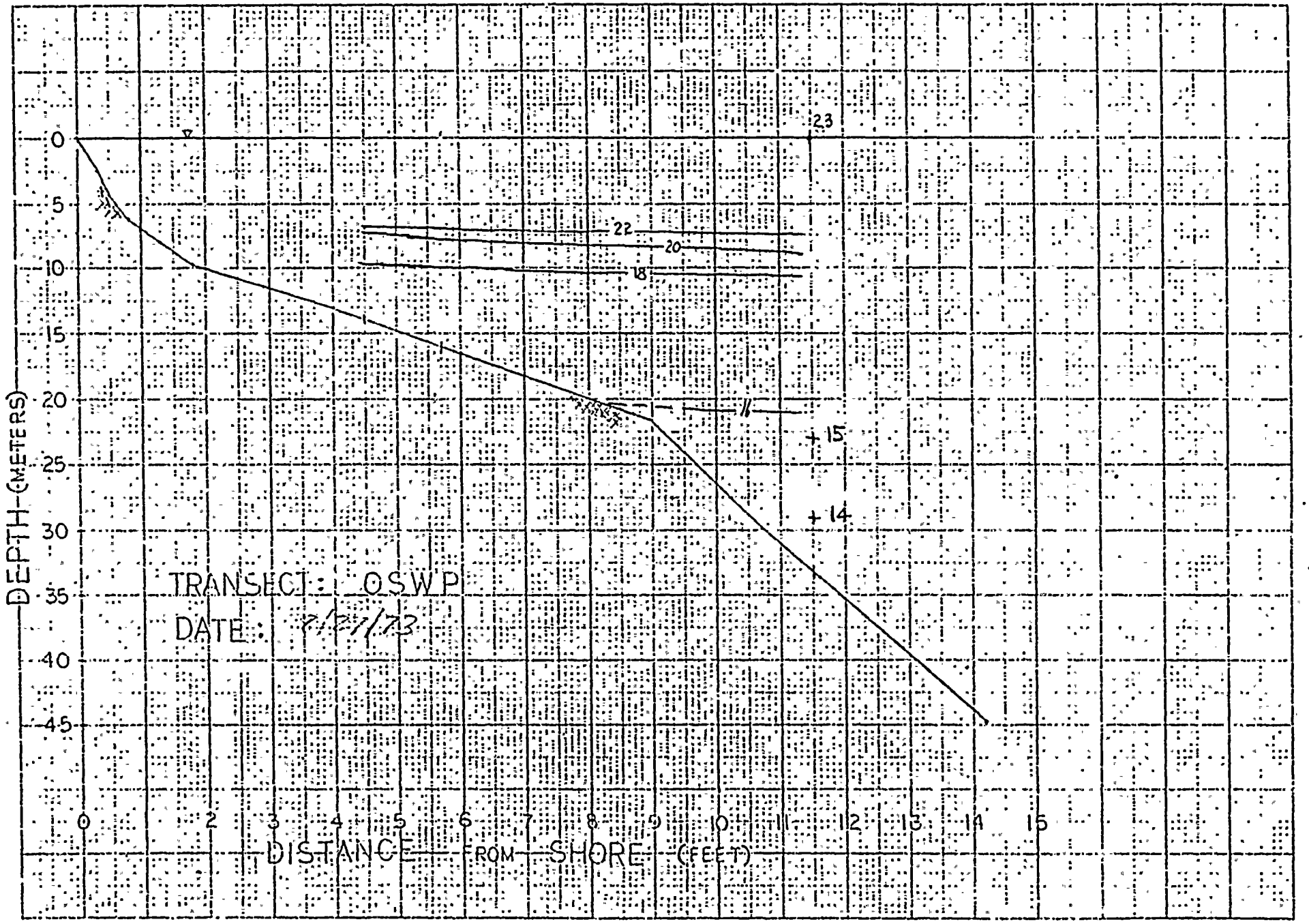

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
TRANSECT: OSWP
DATE: 7/27/73
212
+21.0
+9.0
+6.0
+5.0
+4.6
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

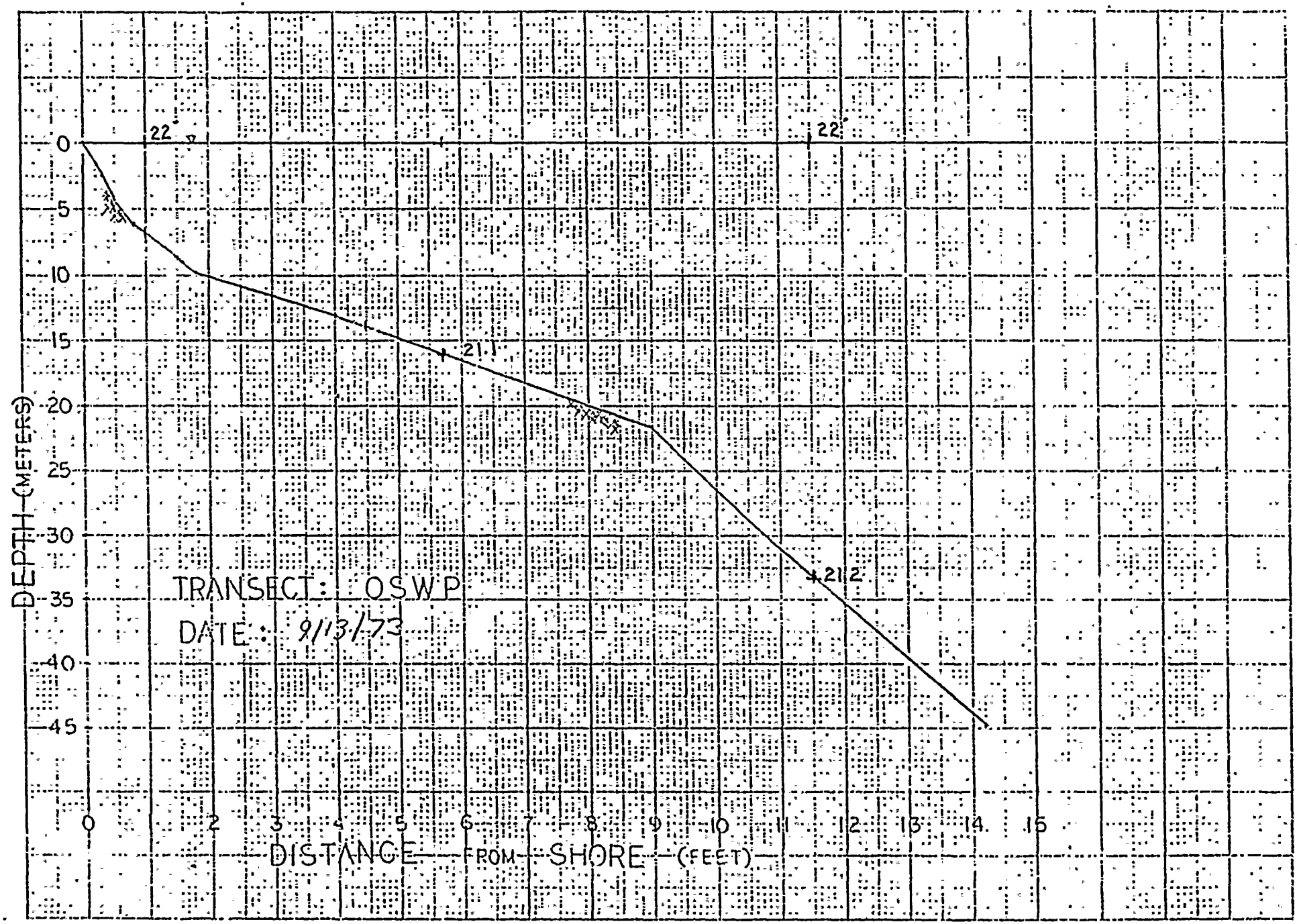

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
22.1
22.1
22
21.5
19
11
TRANSECT: OSWP
DATE: 7/30/72
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

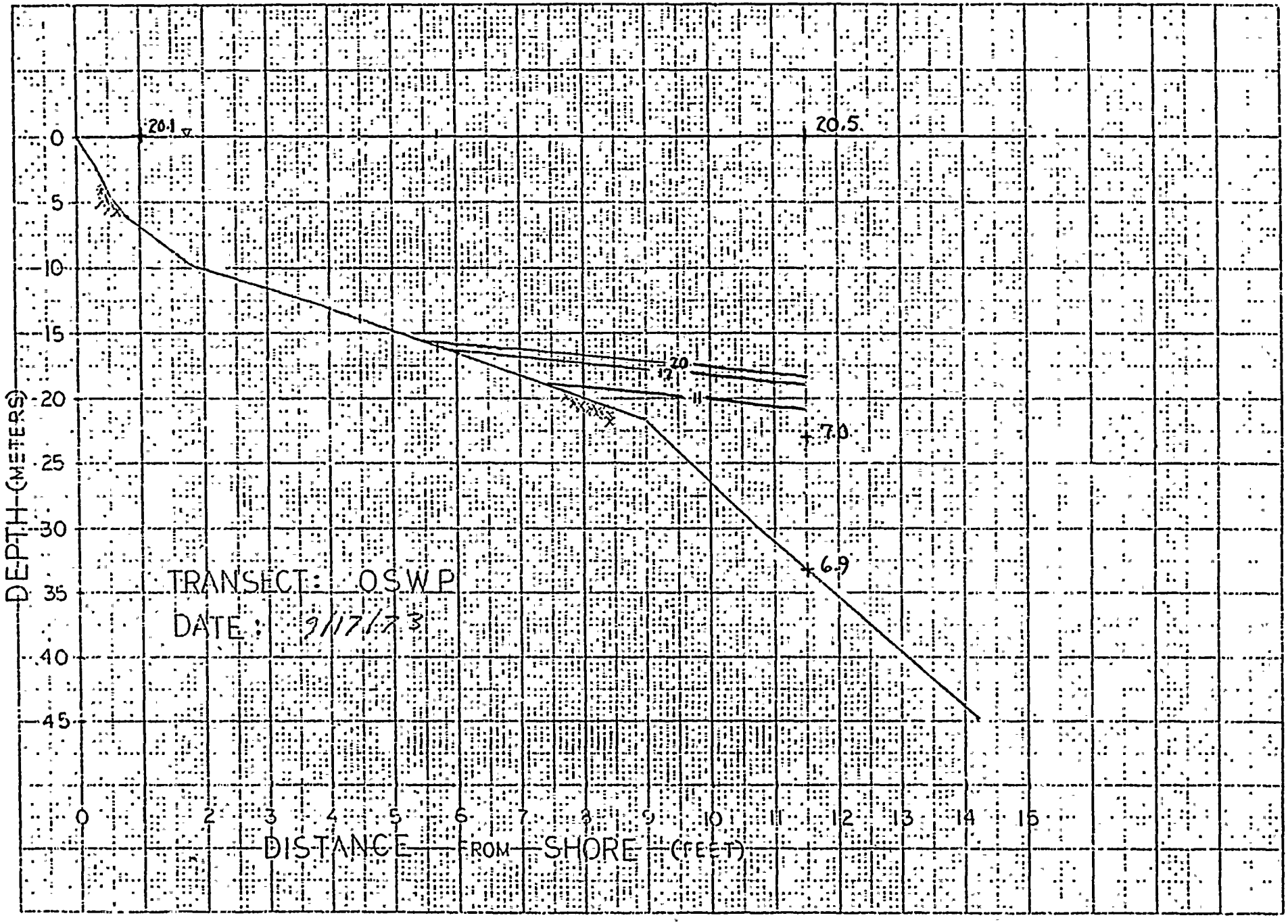

23.1
23
22.3
22.9
22.3
20
16
11.5
TRANSECT: OSWP
DATE: 8/6/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

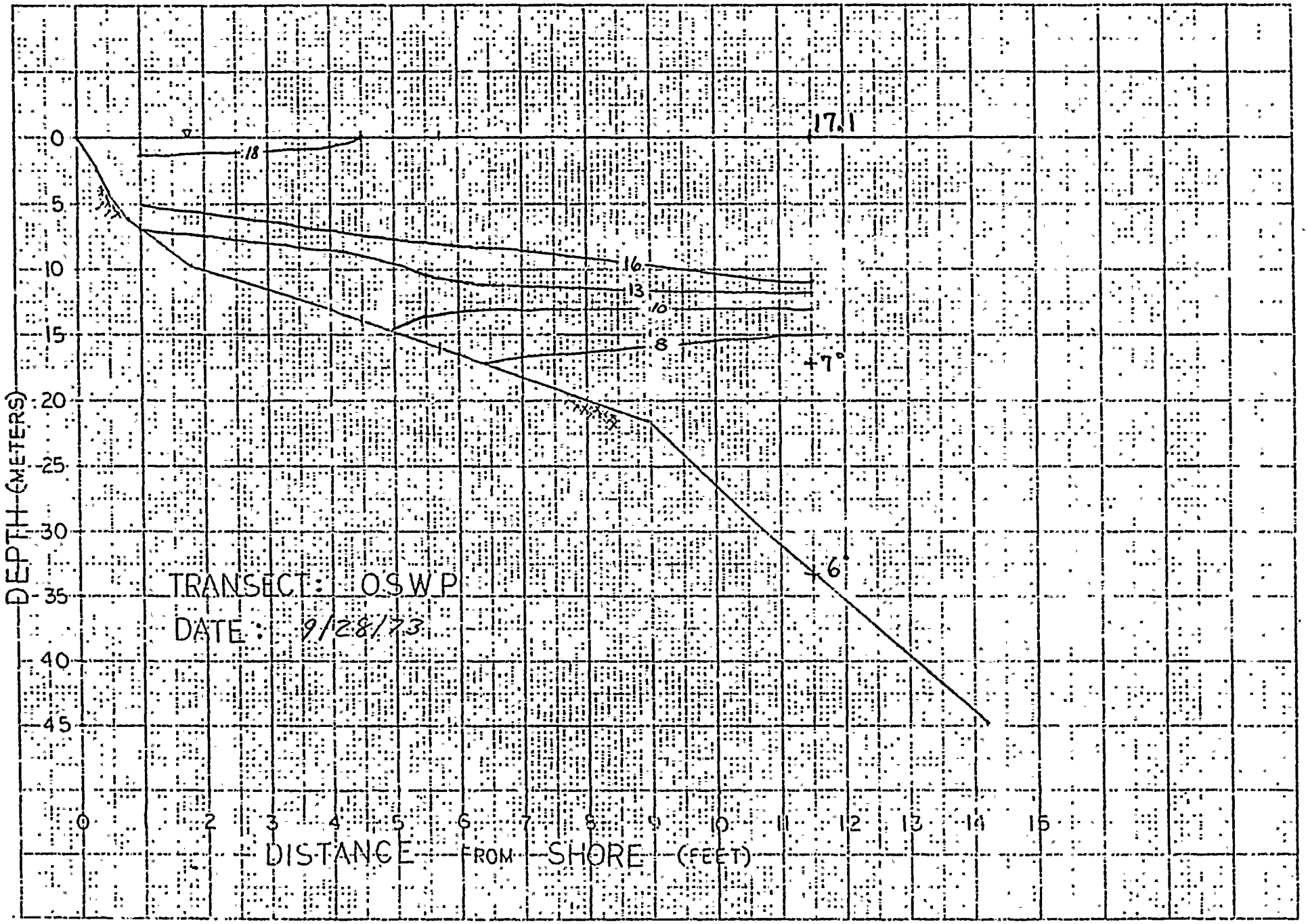

24
23.1
23.1
24
23.4
23.0
21
17
16
TRANSECT: OSWP
DATE: 8/13/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

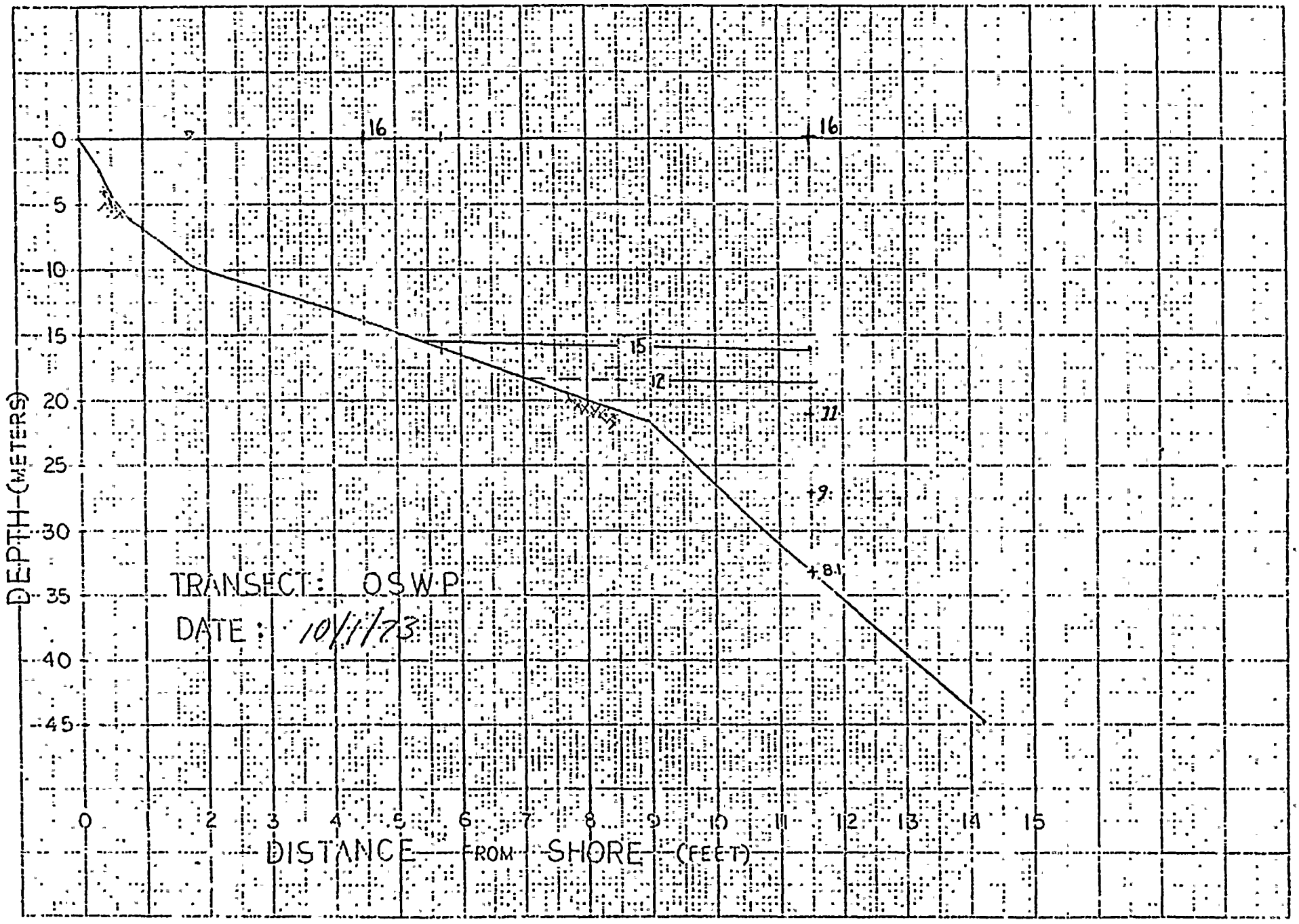

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)
TRANSECT: OSWP
DATE: 11/01/75
23.4
23
21
13
9
7
+6.0
5.5
+5.0
+4.6

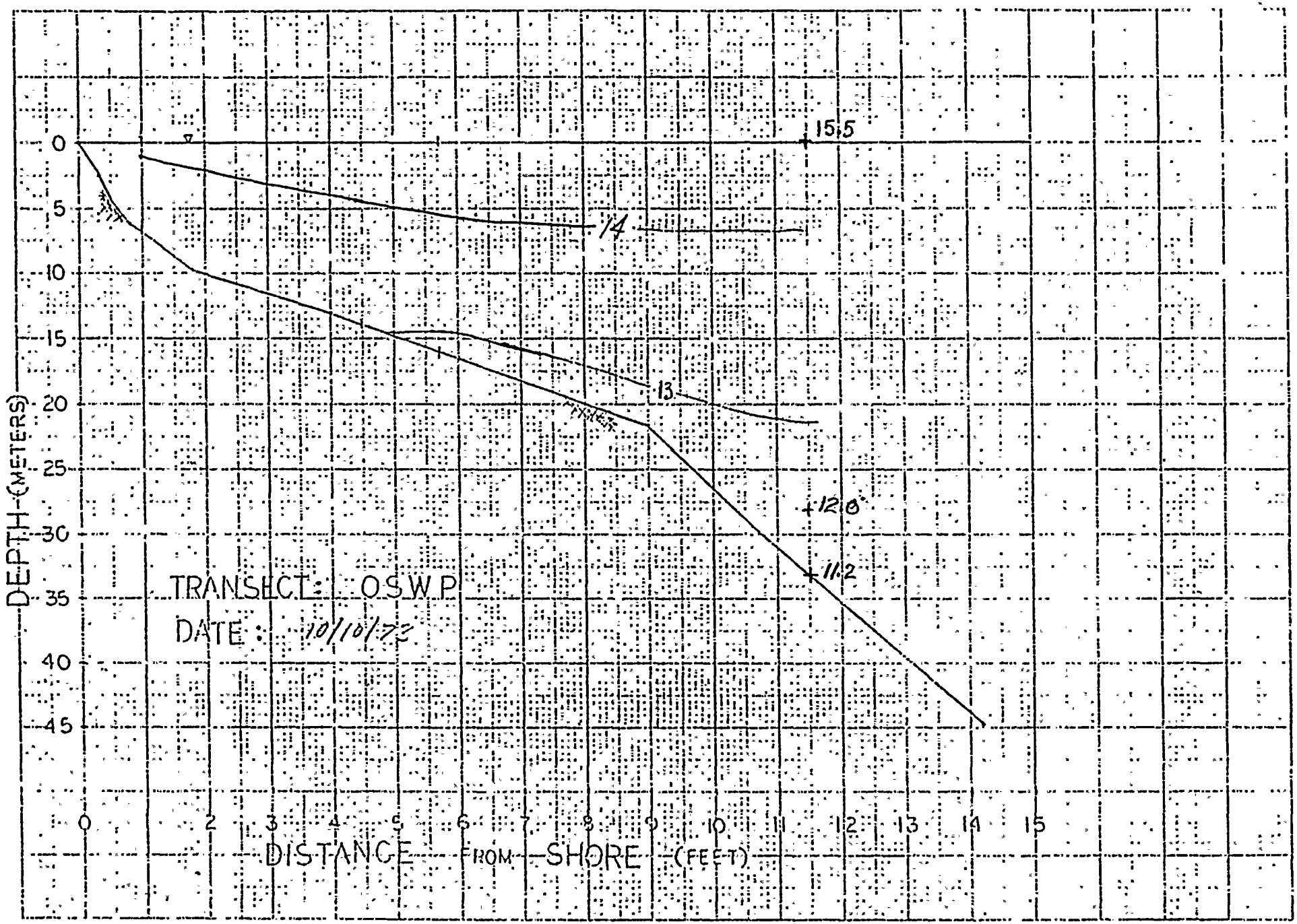

DEPTH-(METERS)
0
5
10
15
20
25
30
35
40
45
23
22
20
18
+15
+14
TRANSECT: OSWP
DATE: 7/21/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

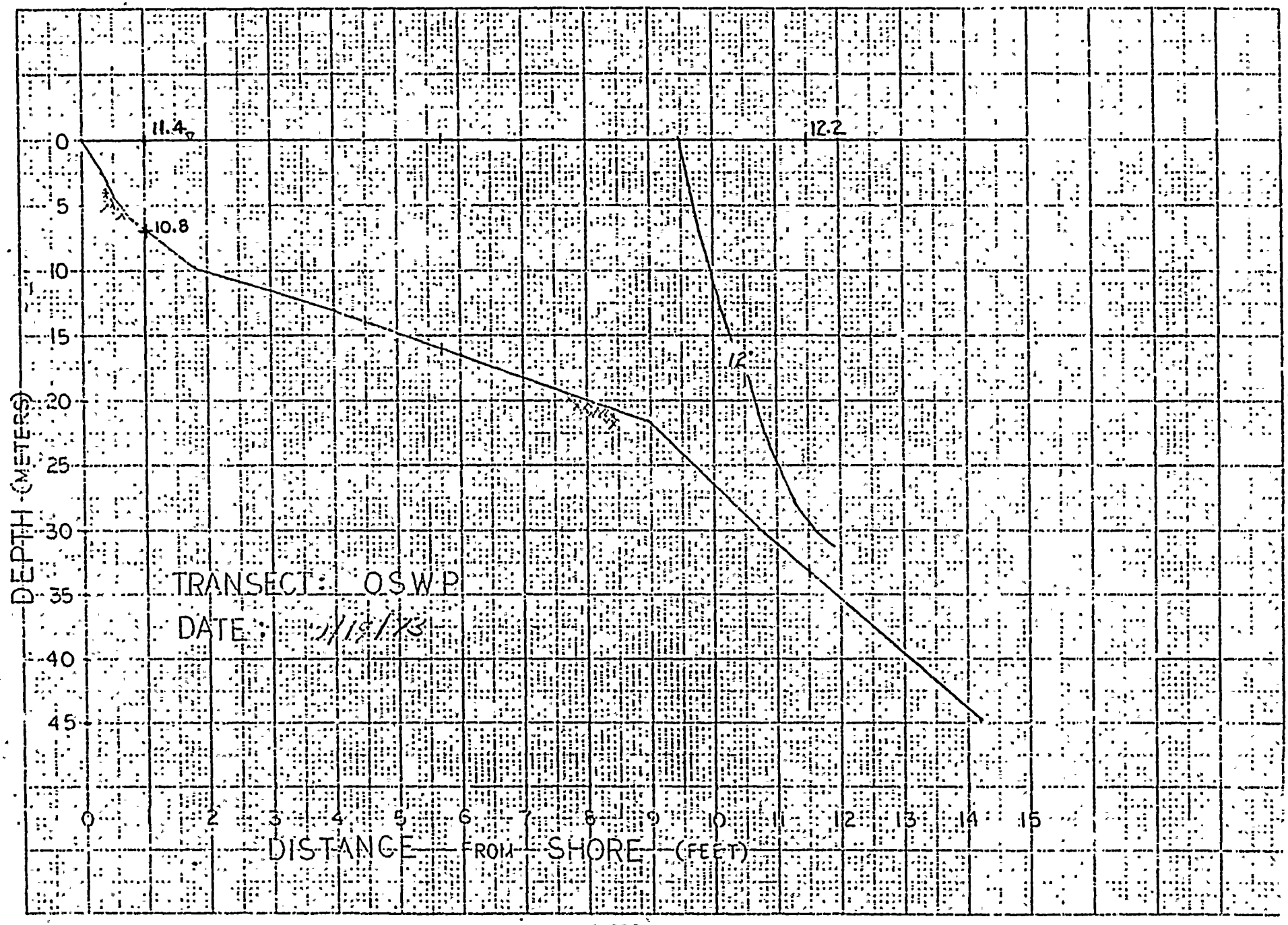

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
22
22
21.1
21.2
TRANSECT: OSWP
DATE: 9/13/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

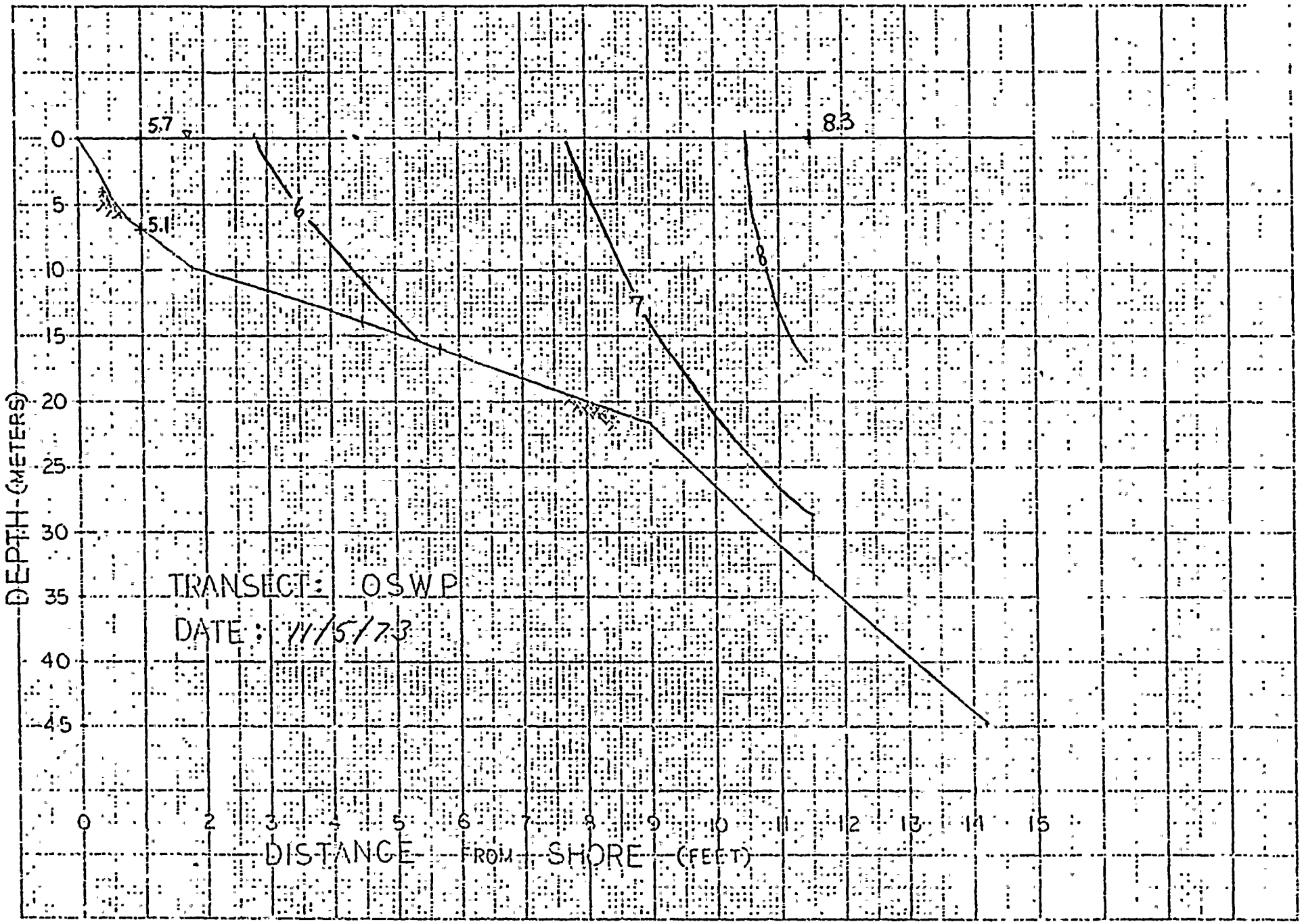

20.1
20.5
20
12
11
7.0
6.9
0
5
10
15
20
25
30
35
40
45
DEPTH (METERS)
TRANSECT: OSWP
DATE: 9/17/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

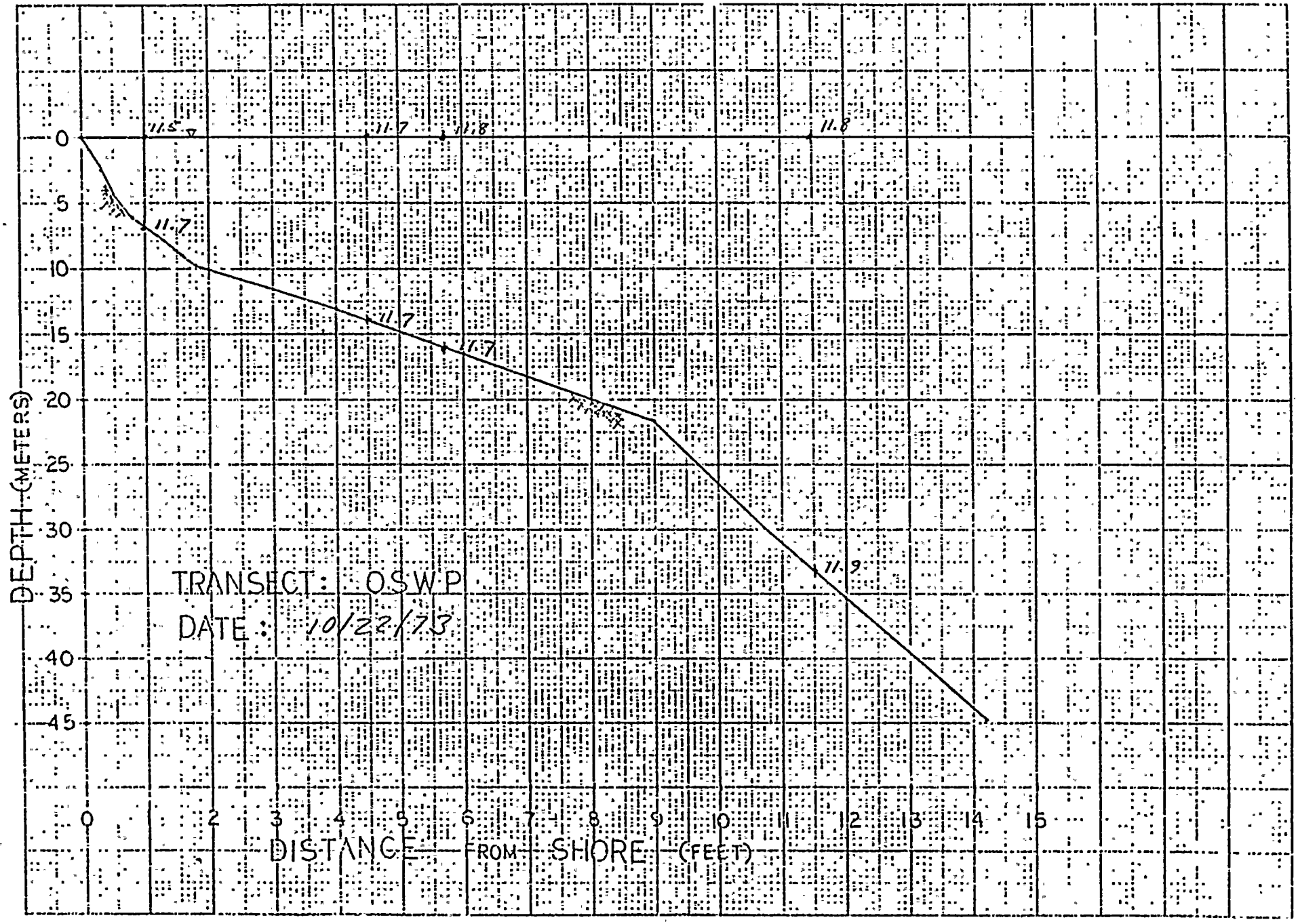

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)
TRANSECT: OSWP
DATE: 9/28/73
18
16
13
10
8
6
17.1
+7°

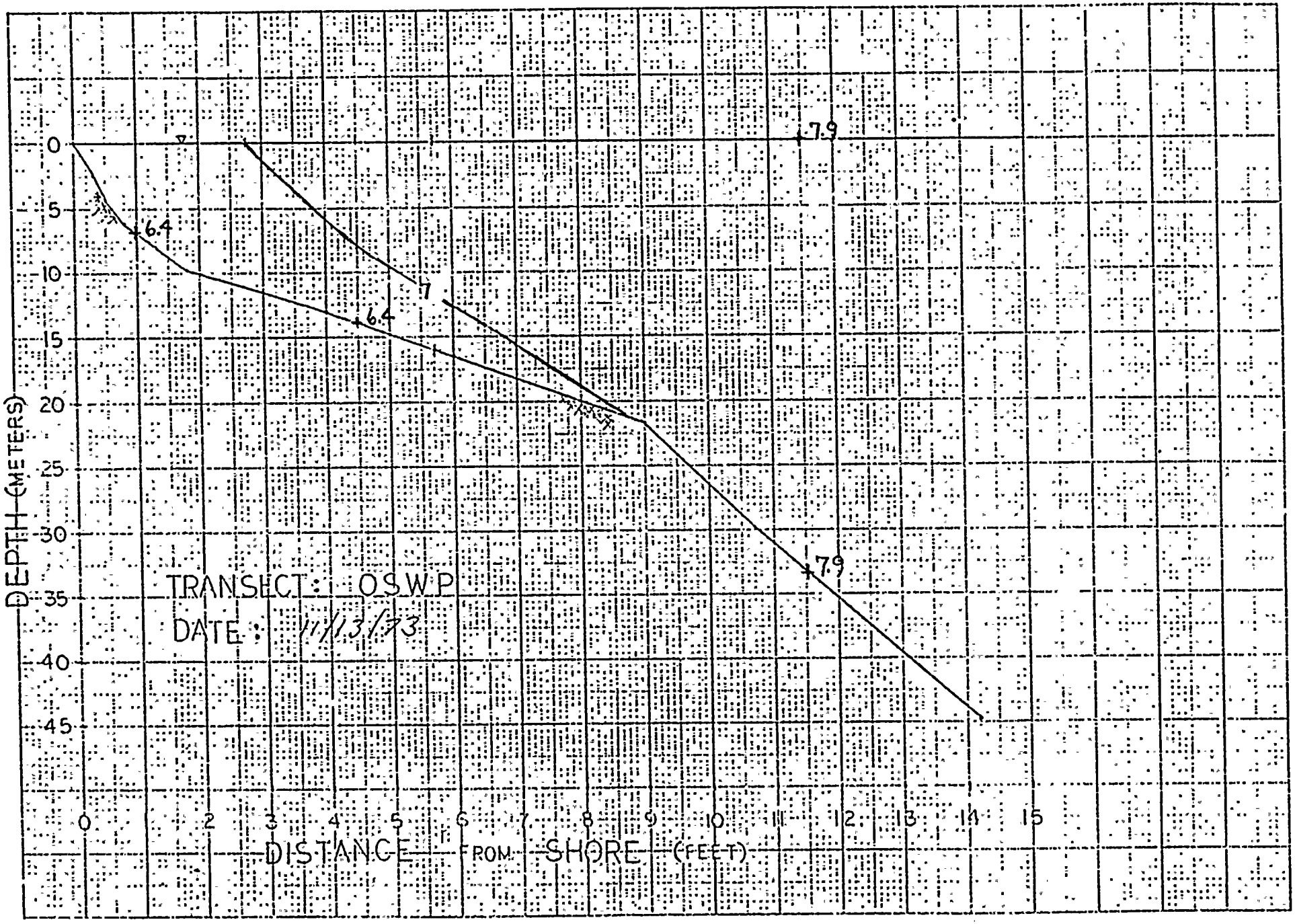

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
16
16
15
12
+11
+9
+8.1
TRANSECT: OSWP
DATE: 10/1/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

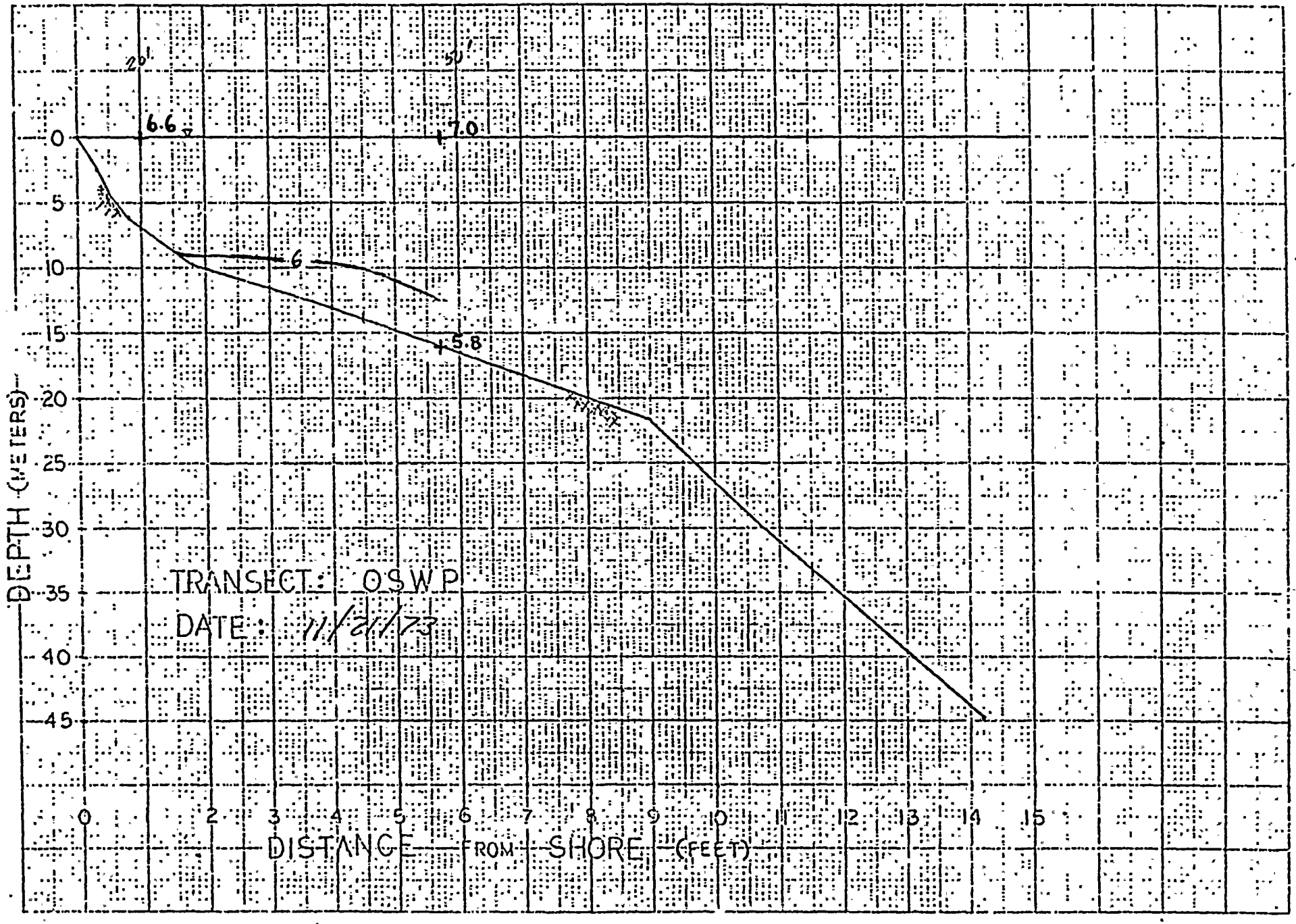

DEPTH-(METERS)
0
5
10
15
20
25
30
35
40
45
15.5
14
13
12.0
11.2
TRANSECT: OSWP
DATE: 10/10/72
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

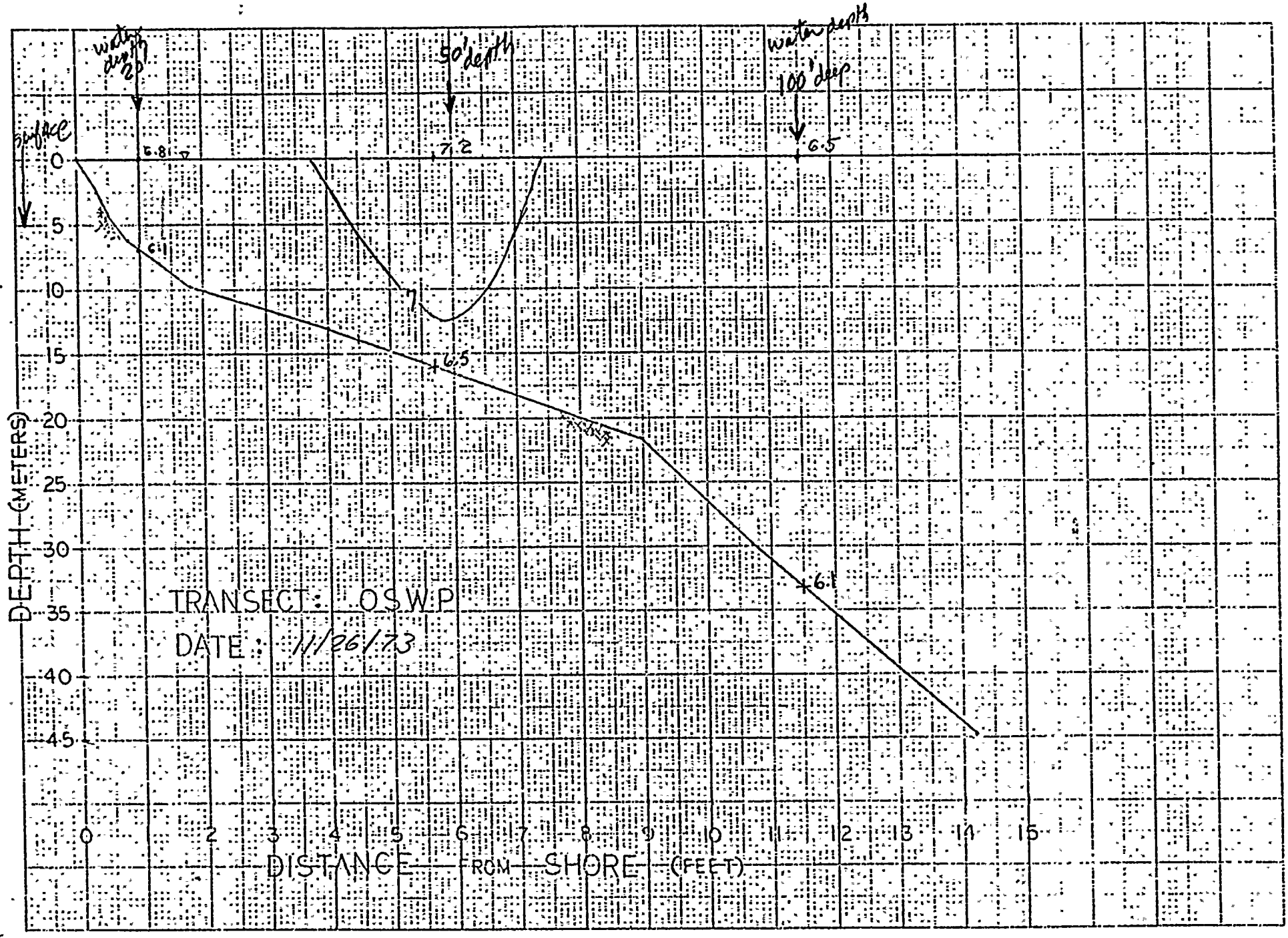

11.4
10.8
12.2
12
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
TRANSECT: OSWP
DATE: 7/19/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

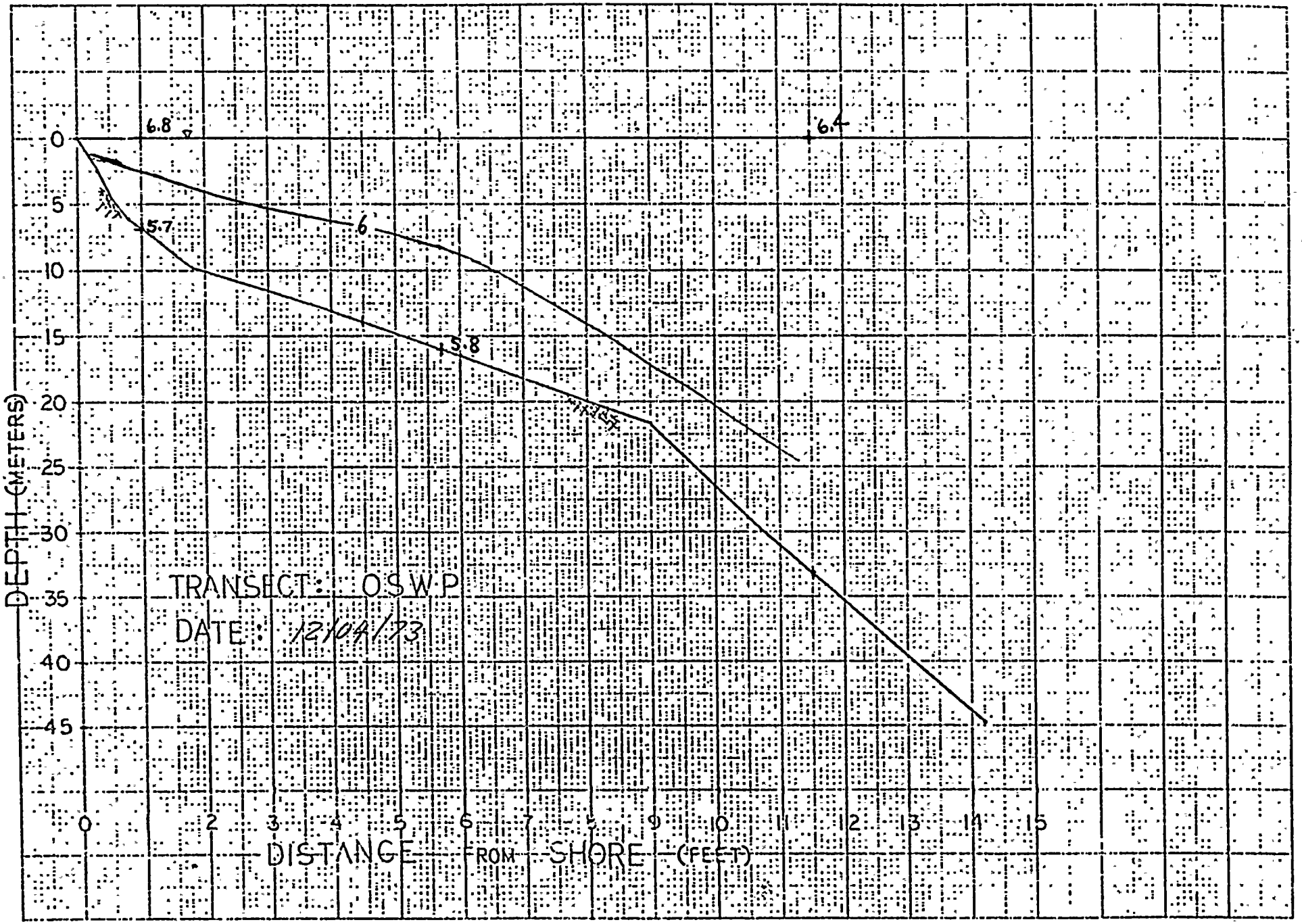

5.7
8.3
5.1
6
7
8
DEPTH-(METERS)
0
5
10
15
20
25
30
35
40
45
TRANSECT: OSWP
DATE: 11/5/73
0
2
3
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

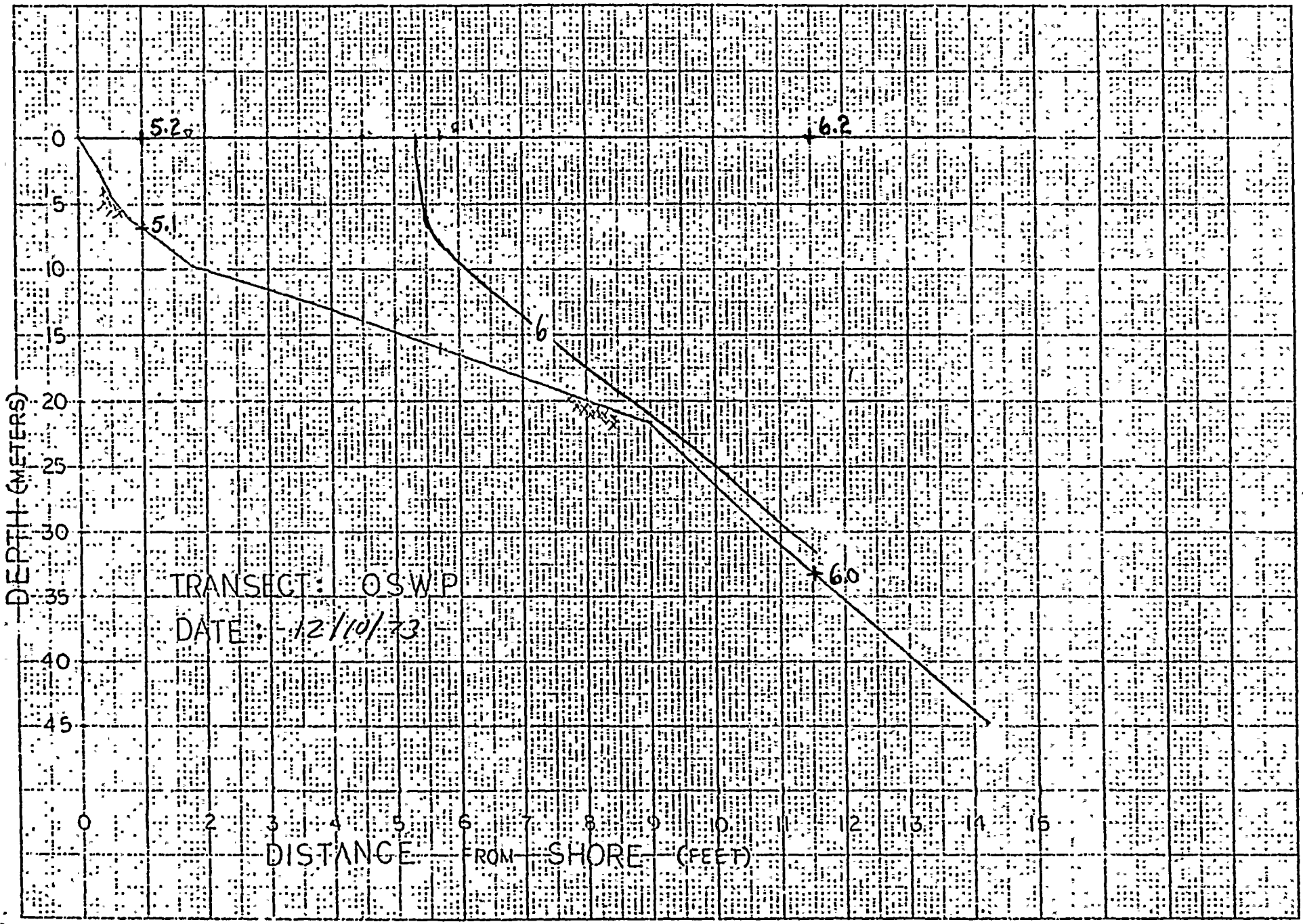

DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
11.5
11.7
11.8
11.8
11.7
11.7
11.7
11.9
TRANSECT: OSWP
DATE: 10/22/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)


DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
7.9
6.4
7
6.4
7.9
TRANSECT: OSWP
DATE: 11/13/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)


20'
50'
6.6
7.0
6
5.8
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
TRANSECT: OSWP
DATE: 11/21/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)


water depth 20'
50' depth
water depth 100' deep
surface
6.8
7.2
6.5
7
6.5
6.1
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
TRANSECT: OSWP
DATE: 11/26/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)


6.8
6.4
6
5.7
5.8
TRANSECT: OSWP
DATE: 12/09/73
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)


5.2
5.1
6
6.2
6.0
DEPTH (METERS)
0
5
10
15
20
25
30
35
40
45
TRANSECT: OSWP
DATE: 12/10/73
0
2
3
4
5
6
7
8
9
10
11
12
13
14
15
DISTANCE FROM SHORE (FEET)

APPENDIX VII-E

NINE MILE POINT GENERATING STATION

ENVIRONMENTAL RADIATION MONITORING PROGRAM

LAKE WATER SAMPLES

May 1973 - November 1973

TELEDYNE ISOTOPES

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

TELEDYNE ISOTOPES

TABLE OF CONTENTS

TELEDYNE ISOTOPES

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 off-shore. 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:

Station Identification	Distance from Shore (feet)	Depth of Water at Station (feet)	Depth of Sample (feet)
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)

TELEDYNE ISOTOPES

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	Gamma Emitters pCi/liter
NMP-1	5/29/73	5.4±0.9	< 0.1	$(4.7\pm0.5)\times10^2$	ND	-
	6/27/73	$(4.6\pm0.8)\times10^2$	0.74±0.12	$(4.5\pm0.4)\times10^2$	^{54}Mn	8.4±1.4
					^{60}Co	$(4.0\pm0.7)\times10^1$
					^{134}Cs	$(2.3\pm0.4)\times10^2$
					^{137}Cs	$(4.7\pm0.8)\times10^2$
	7/31/73	4.2±0.7	< 0.1	$(3.7\pm0.4)\times10^2$	ND	
	8/28/73	3.9±0.7	< 0.1	$(11.4\pm0.5)\times10^2$	ND	
	9/25/73	4.8±0.8	< 0.1	$(7.9\pm0.5)\times10^2$	ND	
	10/30/73	4.3±0.7	0.8±0.2	$(3.9\pm0.5)\times10^2$	ND	
	11/27/73	7.9±1.3	< 0.1	$(4.2\pm0.5)\times10^2$	ND	
Average ± M.D.		5.0±1.1*		$(5.8\pm2.2)\times10^2$		
NMP-2	5/29/73	4.8±0.9	0.9±0.2	$(5.8\pm0.5)\times10^2$	ND	
	6/27/73	3.8±0.6	1.1±0.2	$(4.6\pm0.4)\times10^2$	ND	
	7/3173	4.9±0.8	0.5±0.1	$(4.9\pm0.4)\times10^2$	ND	
	8/26/73	5.6±0.9	1.7±0.4	$(10.0\pm0.5)\times10^2$	ND	
	9/25/73	4.0±0.7	< 0.1	$(5.3\pm0.5)\times10^2$	ND	
	10/30/73	3.9±0.7	< 0.1	$(5.0\pm0.5)\times10^2$	ND	
	11/27/73	10.0±2	1.8±0.3	$(4.9\pm0.5)\times10^2$	ND	
Average ± M.D.		5.3±1.4		$(5.8\pm1.2)\times10^2$		

*Sample collected on 6/27/74 is not included in Average ± M.D.

TELEDYNE ISOTOPES

Sample Number	Collection Date	Gross Beta pCi/liter	Gross Alpha pCi/liter	Tritium pCi/liter	Gamma Emitters Nuclide	Gamma Emitters pCi/liter
NMP-3	5/29/73	4.0±0.8	< 0.1	$(4.0\pm0.5)\times10^2$	ND	
	6/27/73	31 ± 5	2.9±0.6	$(4.8\pm0.8)\times10^2$	^{134}Cs	$(1.3\pm0.2)\times10^1$
	7/31/73	3.3±0.6	< 0.1	$(5.3\pm0.5)\times10^2$	^{137}Cs	$(2.9\pm0.5)\times10^1$
	8/28/73	2.6±0.4	< 0.1	$(6.6\pm0.5)\times10^2$	ND	
	9/25/73	6.5±1.1	1.8±0.3	$(2.4\pm0.5)\times10^2$	ND	
	10/30/73	12 ± 2	< 0.1	$(6.5\pm0.5)\times10^2$	ND	
	11/27/73	4.9±0.8	< 0.1	$(5.2\pm0.5)\times10^2$	ND	
Average ± M.D.		5.6±3.0*		$(5.0\pm1.1)\times10^2$		
NMP-4	5/29/73	4.1±0.8	< 0.1	$(4.1\pm0.4)\times10^2$	ND	
	6/27/73	2.6±0.4	1.4±0.2	$(6.0\pm0.4)\times10^2$	ND	
	7/31/73	3.9±0.6	< 0.1	$(4.7\pm0.4)\times10^2$	ND	
	8/28/73	3.4±0.6	1 ± 0.2	$(4.4\pm0.5)\times10^2$	ND	
	9/25/73	2.8±0.5	< 0.1	$(5.1\pm0.5)\times10^2$	ND	
	10/31/73	7.9±1.3	< 0.1	$(6.3\pm0.5)\times10^2$	ND	
	11/27/73	5.3±0.9	< 0.1	$(3.8\pm0.5)\times10^2$	ND	
Average ± M.D.		4.3±1.3		$(4.9\pm0.8)\times10^2$		

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

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

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, $(4.6\pm0.8)\times10^{2}$ pCi/liter and $(3.1\pm0.5)\times10^{1}$ pCi/liter. The presence of ^{54}Mn, ^{60}Co, ^{134}Cs and ^{137}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±1.9 pCi/liter, with a maximum of $(1.2\pm0.2)\times10^{1}$ pCi/liter and a minimum of 2.6±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±0.6 pCi/liter and the average was 1.3±0.5 pCi/liter. There was no trend observed in the gross alpha activity data.

The maximum tritium activity determined was $(1.1\pm0.05)\times10^{3}$ pCi/liter and the minimum tritium activity was $(2.4\pm0.5)\times10^{2}$ pCi/liter. The average tritium activity for the 28 samples was $(5.5\pm1.1)\times10^{2}$ 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 3×10^{-8} µCi/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 2.2×10^{-8} µCi/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 5.1×10^{-9} µCi/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 6×10^{-8} µCi/ml for ^{129}I. Since these samples were not analyzed for ^{129}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}Sr (MPC = 3×10^{-7} µCi/ml) be considered for future samples of this type.

The average gross alpha activity for all samples is 5.1×10^{-10} µCi/ml. This is less than 2% of the applicable MPC of 3×10^{-8} µCi/cc.

The average tritium activity for all samples is 5.5×10^{-7} µCi/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 (Tll) 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 Sr^{89}, Sr^{90}, Cs^{137} and I^{131}. These counters are calibrated with absolute standards of each radioisotope and checked daily with secondary - working standards of equilibrated (Sr^{90} - 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 (Sr^{90} - Y^{90}) calibration and gross alpha activities are based on 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 I^{131} and Y^{90} by recounting through at least one half life. If purity cannot be established, a new aliquot is taken and reanalyzed.

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Wherever possible, samples may be analyzed by two independant 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 (TlI) or (Ge-Li) gamma spectrometry.

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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	< ± 6% *
2) Calibration error -			
long term stability		Systematic	+ or - 10%
short term stability	99%	Random	± 7%
3) Sample handling errors -			
uniformity, contamination	-	Systematic	+ or - 10%
handling, reproducibility	99%	Random	± 8%
4) Sample processing errors -			
chemical separations	-	Systematic	+ or - 7%
yielding, technique	99%	Random	± 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 σ) value at the 68% confidence level.

TELEDYNE ISOTOPES

Sr^{90} - Counting Error vs. Radioactivity

Counting System	Background (cpm)	tc (min)	Signal / bkg	% Counting error (1 σ)	Sr^{90} pCi planchet	Sr^{90} net cpm planchet measured
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.

TELEDYNE ISOTOPES

Cs^{137} in Water - Counting Error vs. Radioactivity

Counting System	Bkg @662 Kev (cpm)	tc (min)	Signal / bkg	Counting error (1 σ)	Cs^{137} pCi/liter	Cs^{137} net cpm / 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.

TELEDYNE ISOTOPES

K^{40} in Water - Counting Error vs. Radioactivity

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

* limit of detection - This is a realistic value.

TELEDYNE ISOTOPES

Tritium by Gas Counting
Counting Error vs. Radioactivity

Counting System	Bkg (cpm)	tc (min)	Signal / bkg	% Counting error (1 σ)	H^3 pCi/liter	H^3 net cpm / 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.

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Summary - Tritium by Gas Counting

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

at 95% confidence level

Observe the consistancy of the counting error at ~ ± 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 ± 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 + or - 10% and in addition can generate random errors of ± 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. Sr^{90}) errors accumulate in each step of the operation. An estimate of + 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 ± 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 ± 16% and of the sum of the systematic components + or - 27%. Thus the long term overall spread could be ± 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.

U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards
Washington, D.C. 20234

COMPARISON OF MEASURED VALUES WITH NBS VALUES

SRM 4252-1

Test Source

Laboratory: Teledyne Isotopes

Radionuclide	Reported Value 1-15-73 1200 EST (μCi)	NBS Value 1-15-73 1200 EST (μCi)	X/NBS
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

U.S. DEPARTMENT OF COMMERCE
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	Error % Systematic
^{51}Cr	5.36×10^{-2}	29%	8%
^{54}Mn	1.10×10^{-1}	3.3%	4%
^{57}Co	1.22×10^{-3}	70%	5%
^{58}Co	1.15×10^{-1}	3.4%	5%
^{59}Fe	1.03×10^{-1}	6.8%	5%
^{60}Co	2.18×10^{-1}	2.1%	4%
^{65}Zn	2.09×10^{-1}	3.6%	4%
^{134}Cs	3.38×10^{-2}	7.5%	5%
^{137}Cs	1.63×10^{-1}	2.3%	6%
^{144}Ce	1.22×10^{-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.

U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards
Washington, D.C. 20234

COMPARISON OF MEASURED VALUES WITH NBS VALUES

SRM 4253-1

Test Source

Laboratory: Teledyne Isotopes

Radionuclide	Reported Value 1-15-73 1200 EST (μCi)	NBS Value 1-15-73 1200 EST (μCi)	X/NBS
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

U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards
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	Error % Systematic
^{51}Cr	1.08×10^{-1}	12%	9%
^{54}Mn	2.45×10^{-1}	1.2%	5%
^{57}Co	2.29×10^{-3}	31%	5%
^{58}Co	2.50×10^{-1}	1.3%	7%
^{59}Fe	2.24×10^{-1}	2.8%	4%
^{60}Co	4.71×10^{-1}	0.81%	4%
^{65}Zn	4.62×10^{-1}	1.4%	4%
^{134}Cs	6.95×10^{-2}	3.3%	8%
^{137}Cs	3.58×10^{-1}	0.89%	5%
^{144}Ce	2.57×10^{-1}	2.4%	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.

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

ϵ = absolute efficiency of the counting system for the radionuclide

β = 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

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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^{131}	8	C
Gross beta	1.0	B	I^{131}	1.0	A
H^{3}	60	D	I^{133}	6	C
H^{3}	1500	E	I^{135}	18	C
Mn^{54}	6	C	Cs^{134}	7	C
Co^{58}	6	C	Cs^{137}	7	C
Co^{60}	6	C	Cs^{137}		A
Fe^{59}	11	C	Ba^{140}	25	C
Sr^{89}	4	A	Ce^{141}	12	C
Sr^{90}	0.8	A	Ce^{144}	52	C
Zr^{95}	11	C	K^{40}	52	C
Ru^{103}	7	C	Ra^{226}	12	C
Ru^{106}	60	C	Th^{228}	12	C
Sb^{125}	15	C	Pu^{238}	0.02	G
			Pu^{239}	0.02	G

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

* Interference free

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Minimum Detectable Sensitivity (MDS)

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

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

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

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

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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^{95}	11	C
Be^{7}	60	C	Ru^{103}	7	C
Mn^{54}	6	C	Sb^{125}	15	C
Co^{58}	6	C	Cs^{137}	7	C
Co^{60}	6	C	Ce^{141}	12	C
Sr^{89}	4	A	Ce^{144}	52	C
Sr^{90}	0.8	A			

Charcoal Filters

Nuclide	MDS pCi/total filter	Code
I^{131}	8	C
I^{133}	6	C
I^{135}	18	C

Note 1: Geometry of the filter packett ~ 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.

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Minimum Detectable Sensitivity (MDS)

Gas Phase Samples

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

Note 1: C^{14} (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 ± 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:

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

   The mean deviation is:

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

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.

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

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.	-
Jefferson County	Samples	3	-	-
Watertown	Avg.	2	-	-
Black River	Max.	3	-	-
	Min.	2	-	-
New York City	Samples	4	-	-
Public Water Supply	Avg.	2	-	-
	Max.	3	-	-
	Min.	N.D.	-	-
Niagara County	Samples	3	-	-
Niagara Falls	Avg.	3	-	-
West Branch of	Max.	4	-	-
Niagara River	Min.	3	-	-
Ontario County	Samples	3	3	-
Geneva	Avg.	5	N.D.	-
Seneca Lake	Max.	5	N.D.	-
	Min.	4	N.D.	-
Oswego County	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.	-
Saratoga County	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
Erie County (cont.)				
Derby	Samples 13	2	-	
Sturgeon Point	Avg.	3	N.D.	-
Station	Max.	5	N.D.	-
	Min.	3	N.D.	-
Jefferson County	Samples 3	-	-	
Watertown	Avg.	3	-	-
Black River	Max.	4	-	-
	Min.	2	-	-
New York City	Samples 3	-	-	
Public Water Supply	Avg.	2	-	-
	Max.	3	-	-
	Min.	N.D.	-	-
Niagara County	Samples 3	-	-	
Niagara Falls	Avg.	3	-	-
West Branch of	Max.	4	-	-
Niagara River	Min.	3	-	-
Ontario County	Samples 3	3	-	
Geneva	Avg.	6	N.D.	-
Seneca Lake	Max.	8	N.D.	-
	Min.	4	N.D.	-
Oswego County	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.	-
Saratoga County	Samples 3	3	-	
Milton	Avg.	1	N.D.	-
Glowegee Creek	Max.	2	N.D.	-
at Route 50	Min.	N.D.	N.D.	-

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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^{7}	0.06	60
Cr^{51}	0.06	60
Mn^{54}	0.006	6
Co^{58}	0.006	6
Co^{60}	0.006	6
Se^{75}	0.052	52
Fe^{59}	0.011	11
Zr^{95}	0.011	11
Ru^{103}	0.007	7
Ru^{106}	0.06	60
I^{131}	0.008	8
Cs^{134}	0.007	7
Cs^{137}	0.007	7
Ba^{140}	0.025	25
La^{140}	0.006	6
Ge^{141}	0.012	12
Ce^{144}	0.052	52
K^{40}	0.052	52
Ra^{226}	0.012	12
Th^{228}	0.012	12