

**ATLANTIC COASTAL EXPERIMENT VI -
R/V KNORR CRUISE
23 AUGUST — 11 SEPTEMBER 1980
DATA REPORT**

W. Behrens and K. von Bock, Editors

January 1983

NOTICE
PORTIONS OF THIS REPORT ARE ILLEGIBLE.
It has been reproduced from the best
available copy to permit the broadest
possible availability.

**OCEANOGRAPHIC SCIENCES DIVISION
DEPARTMENT OF APPLIED SCIENCE
BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.**

**UNDER CONTRACT NO. DE-AC02-76CH00016 WITH THE
UNITED STATES DEPARTMENT OF ENERGY**

nal use at
ation or corre

| u

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency, contractor or subcontractor thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency, contractor or subcontractor thereof.

Printed in the United States of America
Available from
National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22161

NTIS price codes:
Printed Copy: A23; Microfiche Copy: A01

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

ABSTRACT

An investigation of the influence of estuaries on the ecosystem of the Mid-Atlantic Bight was undertaken. Data were collected from excursions into the Hudson, Delaware and Chesapeake estuaries, three across-shelf and one along-shelf transects, and two time series stations. In all, 139 stations were occupied and 164 XBT soundings were taken. In addition to standard hydrographic measurements, nutrient, chlorophyll, particulate carbon and nitrogen, ^{14}C , ^{15}N , DNA, particle size, FTD, phytoplankton and zooplankton analyses were made.

CONTENTS

	<u>Page</u>
INTRODUCTION.....	1
METHODS.....	2
REFERENCES.....	9
PERSONNEL.....	11
HYDROGRAPHY DATA.....	21
XBT Soundings.....	185
PRODUCTIVITY DATA.....	355
Photosynthetic Capacity.....	389
FTD.....	399
Phytoplankton Species Composition.....	415
Particle Size.....	501
ZOOPLANKTON DATA.....	533
INTERFACE DATA.....	549

TABLES

1. Station Log.....	12
2. Station List.....	17
3. XBT Station List.....	186

FIGURES

Figure 1 Station Location.....	16
--------------------------------	----

INTRODUCTION

The R/V KNORR cruise 81, from 23 August to 11 September, 1980, was designed to investigate the influence of estuarine derived constituents on the shelf ecosystem of the Mid-Atlantic Bight, and corresponding interactions with the continental slope region. This interaction between estuaries, shelf and slope was studied with both temporal and spatial components. Leg I of this cruise included two time series stations. One was occupied at the "mud hole" (Stations 2-9, 117) and the other at the "cold pool" (Stations 10-23, 110). At each time series position repeated hydrography, productivity, zooplankton and sediment samples were taken along with moored and floating sediment trap deployments. All data from sediment trap and benthic sampling is reported under separate cover (Behrens, 1983). Leg II provided spatial coverage of benthos, hydrography and productivity with transects through the Hudson, Delaware and Chesapeake estuaries. The Delaware and Chesapeake transects extended across the shelf to the slope region. Coverage of the New York Bight was provided by a concurrent cruise, 2-6 September, 1980, of the R/V GEORGE B. KELEZ, NEMP cruise 80-16. Another across-shelf transect was taken off Nantucket and included the "mud hole" area. An along-shore transect was also taken from Cape Hatteras to Nantucket at the 60-70 m isobath.

In addition to the data presented here, silicate uptake and regeneration experiments were done at each productivity station. For information regarding these data contact: D. Nelson, School of Oceanography, Oregon State University, Corvallis, Oregon 97331.

METHODS

HYDROGRAPHY

Temperature, Salinity

Temperatures are average values derived from paired Gohla reversing thermometers mounted to 5 & Niskin bottles and corrected according to standard procedure. Salinity was measured in a conductance salinometer (Guildline Autosol 8400), which was referenced to standard seawater (IAPSO Copenhagen or Wormley). Supplementary thermal structure was obtained from interstation, underway soundings of Sippican Model T-10 XBTs.

Their specifications for accuracy are:

(1) System

Temperature: $\pm 0.2^{\circ}\text{C}$

Depth: $\pm 2\%$ or 4.6 m, whichever is greater

(2) Probe

Thermal response: 63% of a step change in temperature in 1 m; 95% of a stepchange in temperature in 3 m.

The traces were converted to digital values using a Hewlett-Packard 9872 plotter, the values interpolated to 1 m averages, and the traces subsequently regenerated using a Hewlett-Packard 9845 computer. The XBT soundings were numbered consecutively and are referenced to the preceding hydrography station in Table 3.

Chlorophyll

Discrete chlorophyll a/phaeophytin concentrations were measured fluorometrically using a Turner Designs Model 10 fluorometer. Glass-fiber filters retaining plankton from 140 ml samples were finely ground in 90%

acetone and the fluorescence of the clarified extract measured before and after acidification with ~1-2 drops of 1.0 N HCl (Yentsch and Menzel, 1963).

The fluorometers were calibrated previously using serial dilutions of a pure chlorophyll a standard as described by Perkins and Roberts (1962). The concentration of the standard was measured spectrophotometrically using an extinction coefficient of $87.67 \text{ l}\cdot\text{cm}^{-1} \text{ g}^{-1}$ at 664 nm. The fluorescence of each dilution (90% acetone) was read before (R_0) and after (R_a) acidification (10% HCl) on at least two sensitivity ranges, and the ratio of R_0 to R_a calculated (τ). Calibration factors for all dilutions were computed by:

$$F' = \frac{\mu\text{g chl a}\cdot\text{ml}^{-1}}{\frac{\tau}{\tau-1} (R_0-R_a)}$$

The mean F' determination was accepted as the calibration factor for all subsequent instrument determinations of chlorophyll a and phaeophytin, and any significant variation among the serial factors over the selected ranges was compensated by internal adjustments.

Nutrients

All nutrient samples were analyzed colormetrically soon after collection using Technicon AutoAnalyzer II hardware. The automated chemical methods were modified for small-volume glassware in the manifolds to optimize stability and sensitivity and are given by Whitledge et al. (1981). The basic techniques and reagents were described by Bendschneider and Robinson (1952) and Armstrong et al. (1967) for dissolved silicon,

nitrate, and nitrite. The phosphate method was after Murphy and Riley (1962). Ammonium was measured by the phenolhypochlorite method of Koroleff (1970) as adapted to the AutoAnalyzer by Slawyk and MacIsaac (1972) and modified by Patton and Crouch (1977).

PC/PN

Samples for the determination of particulate organic carbon (PC) and nitrogen (PN), 125-250 ml, were collected on precombusted glass fiber filters (Gelman, Type AE, 10 mm). Samples were rinsed with filtered seawater and inorganic carbon was removed by placing filters above a bath of fuming concentrated HCl for one minute. Filters were then frozen in a desiccator and returned to the laboratory for analysis.

Filters were dried at 37°C for 24 h and placed in acid-washed aluminum boats for combustion analysis in a Carlo Erba Model 1104 Elemental Analyzer. Peaks were recorded and integrated using a Columbia Scientific Model CSI 38 integrator. Actaniline was used as a standard.

PRODUCTIVITY

Each day a productivity station was occupied at ca 0800 h local time. At these stations, light extinction coefficients were determined with a Secchi disk or Lambda LI 192S quantum sensor interfaced to a ratio amplifier. A second sensor, placed on the deck, served as a reference. The ratios of surface light (I_0) to light at known depths (I_z) were output directly onto a recorder. $\log I_z/I_0$ were plotted as a function of depth and extrapolated through the origin. Sampling depths were determined from the light extinction plots corresponding to 100, 50, 30, 15, 5, 1, and 0.1% of I_0 .

^{14}C

Samples were obtained from desired depths with either 10 or 30 liter Niskin bottles. Samples were drawn for ^{14}C uptake measurements and incubated with 5 μCi of $\text{NaH}^{14}\text{CO}_3$ in screened bottles at 100, 50, 30, 15, 5, and 1% light. A dark bottle was run in parallel and samples were incubated for 6 h at sea surface temperatures. Upon completion of the incubations, the samples were immediately filtered on Millipore HA filters at 10 mm Hg vacuum pressure, fumed for 60 seconds over concentrated HCl , and placed in scintillation vials to which 10 ml of Filter Solv (Beckman) was added. The samples were counted in a Beckman LS 3150T scintillation counter with an external standard. Dark bottle counts were subtracted from the corresponding light bottle counts in the productivity calculations (Strickland and Parsons, 1972). At selected stations, photosynthetic capacity experiments were done whereby samples from one depth were incubated at various light levels and ^{14}C uptake measured.

^{15}N

Nitrate and ammonium uptake rates were determined using the methods described by Dugdale and Goering (1967). Samples of 500 ml were enriched with 0.1 $\mu\text{g-at l}^{-1}$ of K^{15}NO_3 or $(^{15}\text{NH}_4)_2\text{SO}_4$ and incubated for 6 h under natural light in plexiglass tanks cooled by surface seawater. After incubation, samples were filtered and the filters frozen for later analysis by emission spectrometry (Fiedler and Proksch, 1975). The equations of Dugdale and Goering (1967) were used to calculate uptake rates for nitrate and ammonium and the resulting units of uptake ("transport") are μmol of N utilized per liter per hour.

DNA

DNA was measured directly by a fluorescent dye (DAPI) technique as described by Falkowski and Owens (1982). Cell-free extracts of phytoplankton were prepared by filtering 100-300 ml of seawater through a glass fiber filter, then homogenizing the filter in a Teflon-glass tissue grinder with 20 ml of buffer solution. The resulting suspension was centrifuged 5 minutes and the extract kept on ice. A regression of fluorescence vs. extract volume was obtained by successive additions of extract to a buffered DAPI solution. A similar relationship was determined for additions of a DNA standard solution so the slope of the fluorescence yield for sample and standard could be compared to calculate the DNA content of the sample. A Perkin Elmer 203 spectrophotometer was used to measure fluorescence.

FTD - PHYTOPLANKTON SPECIES COMPOSITION

In situ measurements of in vivo chlorophyll fluorescence were made with a Turner Designs Model 10 fluorometer housed in a watertight pressure case. This instrument was also equipped with a thermistor and depth transducer, such that fluorescence, temperature, and depth (FTD) could be simultaneously measured. FTD data were used to determine the depth of the chlorophyll maximum from which discrete samples from the hydrography cast were taken for phytoplankton species composition analysis. Phytoplankton samples were also taken from other depths, preserved with 1-2 ml of Lugol's iodine, and counted in Uttermohl chambers with an inverted microscope equipped with phase-contrast illumination. One-half, or the whole chamber, was counted depending on cell density.

PARTICLE SIZE

Abundance and size-frequency distribution of particulate material was determined with a Coulter Counter Model TA II. A 280 μ m aperture tube was

used, which quantified particles between 5.04 and 128.0 μm equivalent spherical diameter (ESD). Select samples were also analyzed using a 100 μm aperture tube for particle sizes between 1.59 and 40.30 ESD. Counting duration ranged from 30 to 120 seconds depending on particle concentration.

ZOOPLANKTON

Species composition and abundance data were collected from discrete depths at the time series stations using a pump system. Data presented here are from one night and a second day cast taken at the "cold pool" station. At each depth interval (5 to 10 m) a centrifugal pump (Gorman-Rupp model 14A2 SR2) was used to deliver 3785 l to a deck-mounted 102 μm mesh net via 100 m of 10 cm diameter neoprene hose. The suction end of the hose was weighted to maintain vertical integrity and was equipped with a Bourdon clock-driven depth recorder (Benthos model 1170). In the laboratory, up to 5 aliquots from each collection were withdrawn with a Stempel pipette for taxa and abundance estimates. All organisms in each aliquot were counted. However, once 50 or more individuals of a given taxon were identified, that particular taxon was not counted on subsequent aliquots. Counts were multiplied by the appropriate factors to yield concentration (No. m^{-3}) estimates.

INTERFACE

Near-bottom nutrient and chlorophyll samples were collected with 16 closely spaced 50 cc glass syringes mounted on an aluminum frame, a design similar to one described by Broenkow (1969). The 16 syringes were spaced from 18-36 cm apart over the 3.25 m length of the sampling device. The lower end which rested on the bottom was weighted with 27 kg of lead and the upper end was held vertical with a small buoyant deep-sea glass sphere

enclosed in a plastic "hard hat." The lowest sampling syringe was 13 cm above the sediment-water interface. If sediment was present in the samples used for nutrient analyses, they were immediately filtered through a pre-washed 1 cm Millipore filter with 5 μ m pore size. Nutrient or chlorophyll concentrations were then determined as previously described in the hydrography section.

REFERENCES

- Armstrong, F.A.J., C.R. Stearns, and J.D.H. Strickland. 1967. The measurement of upwelling and subsequent biological processes by means of the Technicon AutoAnalyzer and associated equipment. *Deep-Sea Res.*, 14: 381-389.
- Behrens, W., Editor. 1983. Organic carbon accumulation within sediments of the Mid-Atlantic Bight. R/V KNORR Cruise Data Report. Brookhaven National Laboratory Informal Report (in press).
- Bendschneider, K. and R.J. Robinson. 1952. A new spectrophotometric determination of nitrite in seawater. *J. Mar. Res.*, 2: 87-96.
- Broenkow, W.W. 1969. An interface sampler using spring-activated syringes. *Limnol. Oceanogr.*, 14: 288-291.
- Dugdale, R.C. and J.J. Goering. 1967. Uptake of new and regenerated forms of nitrogen in primary productivity. *Limnol. Oceanogr.*, 12: 196-206.
- Falkowski, P.G., and T.G. Owens. 1982. A technique for estimating phytoplankton division rates by using a DNA-binding fluorescent dye. *Limnol. Oceanogr.*, 27(4): 776-782.
- Fiedler, R. and Proksch, G. 1975. The determination of nitrogen-15 by emission and mass spectrometry in biochemical analysis: a review. *Anal. Chim. Acta*, 78: 1-62.
- Koroleff, F. 1970. Direct determination of ammonia in natural waters as indolphenol blue. Information on techniques and methods for sea water analysis, Interlab Rep. (3), 19-22.
- Lorenzen, C.J. 1966. A method for continuous measurement of in situ chlorophyll concentration. *Deep-Sea Res.*, 13: 223-227.

- Murphy, J. and J.P. Riley. 1962. A modified single solution method for the determination of phosphate in natural waters. *Anal. Chim. Acta*, 27: 31-36.
- Patton, C.J. and S.R. Crouch. 1977. Spectrophotometric and kinetics investigation of the Berthelot reaction for the determination of ammonia. *Anal. Chem.*, 19: 464-469.
- Perkins, H.J. and D.W.A. Roberts. 1962. Purification of chlorophylls, phaeophytins, and phaeophorbides for specific activity determinations. *Biochim. Biophys.*, 58: 486-498.
- Slawyk, G. and J.J. MacIsaac. 1972. Comparison of two automated ammonium methods in a region of coastal upwelling. *Deep-Sea Res.*, 19: 521-524.
- Strickland, J.D.H. and T.R. Parsons. 1972. A Practical Handbook of Seawater Analysis. *Fish. Res. Bd. Canada Bull.*, 167: 267-278.
- Whitledge, T., S. Malloy, C. Patton, and C. Wirick. 1981. Automated nutrient analysis in seawater. Brookhaven National Laboratory Technical Report BNL 51398.
- Yentsch, C.S. and D.W. Menzel. 1963. A method for the determination of phytoplankton, chlorophyll, and phaeophytin by fluorescence. *Deep-Sea Res.*, 10: 221-231.

PERSONNEL

	<u>Affiliation</u>	<u>Responsibility</u>
J. Walsh	BNL	Chief scientist/Leg 2
G. Rowe	BNL	Chief scientist/Leg 1
T. Whitledge	BNL	Nutrients, interface
T. Hopkins	BNL	Hydrography
M. Dagg	BNL	Zooplankton coordinator
P. Falkowski	BNL	^{14}C , chlorophyll
J. Vidal	BNL	Zooplankton respiration
S. Smith	BNL	Zooplankton excretion
C. Wirick	BNL	Hydrography
T. Cowles	WHOI	Zooplankton egg production
J. Turner	Southeastern Mass. Univ.	Zooplankton feeding/excretion
R. Sick	BNL	Sediment traps
K. Wyman	BNL	Zooplankton feeding
D. Ninivaggi	SUNY, Stony Brook	Zooplankton/hydrography
B. Plonski	BNL	Zooplankton pump
S. Malloy	BNL	Nutrients
W. Behrens	BNL	Nutrients/chlorophyll
D. Carlson	BNL	Hydrography
T. Owens	BNL	Productivity/CHN
J. Sucher	Southampton College	CHN
G. Riedel	Oregon State Univ.	Si uptake
D. Douglas	Dalhousie Univ.	^{15}N
N. Copley	WHOI	Chlorophyll
J. Rainer	Univ. Northern Colorado	Benthic flux
J. Bell	LDGO	Radon
R. Sloane	Univ. Washington	Sulfate reduction
J. Varner	WHOI	Chlorophyll

Table 1. Station Log

STATION	TEMPERATURE SALINITY	NUTRIENTS	CHLOROPHYLL PHAEOPHYTIN	¹⁴ C	¹⁵ N	PC, PN	DNA	FTD	PHYTOPLANKTON	PARTICLE SIZE	ZOOPLANKTON (PUMP)	INTERFACE
1	✓	✓	✓									
2	✓	✓	✓									
3	✓	✓	✓									
4	✓	✓	✓					✓		✓		
5	✓	✓	✓	✓	✓	✓		✓	✓	✓		
6	✓	✓	✓									
7	✓	✓	✓									
8	✓	✓	✓									
9	✓	✓	✓	✓		✓	✓		✓			
10	✓	✓	✓	✓	✓	✓		✓	✓	✓		
11	✓	✓	✓									
12	✓	✓	✓									
13	✓	✓	✓									
14	✓	✓	✓									
15	✓	✓	✓									
16	✓	✓	✓	✓	✓	✓			✓			
17	✓	✓	✓					✓				
18	✓	✓	✓									
19	✓	✓	✓									
20	✓	✓	✓	✓		✓	✓	✓	✓		✓	
21	✓	✓	✓									
22	✓	✓	✓					✓		✓	✓	
23	✓	✓	✓									
24	✓	✓	✓									
25	✓	✓	✓									
26	✓	✓	✓			✓		✓				
27	✓	✓	✓			✓						
28	✓	✓	✓			✓						
29	✓	✓	✓			✓						
30	✓	✓	✓			✓						
31	✓	✓	✓			✓						
32	✓	✓	✓			✓						
33	✓	✓	✓	✓	✓	✓	✓	✓	✓			
34	✓	✓	✓			✓						
35	✓	✓	✓			✓						
36	✓	✓	✓			✓						
37	✓	✓	✓			✓						
38	✓	✓	✓			✓						
39	✓	✓	✓			✓						
40	✓	✓	✓			✓						

Table 1. cont.

STATION	TEMPERATURE SALINITY	NUTRIENTS	CHLOROPHYLL PHAEOPHYTIN	¹⁴ C	¹⁵ N	PC, PN	DNA	FTD	PHYTOPLANKTON	PARTICLE SIZE	ZOOPLANKTON (PUMP)	INTERFACE
41	✓	✓	✓			✓						
42	✓	✓	✓	✓	✓	✓	✓	✓	✓			
43	✓	✓	✓			✓						
44	✓	✓	✓			✓						
45	✓	✓	✓			✓						
46	✓	✓	✓									
47	✓	✓	✓									
48	✓	✓	✓									
49	✓	✓	✓									
50	✓	✓	✓									
51	✓	✓	✓			✓						
52	✓	✓	✓			✓						
53	✓	✓	✓			✓						
54	✓	✓	✓			✓						
55	✓	✓	✓			✓						
56	✓	✓	✓									
57	✓	✓	✓									
58	✓	✓	✓									
59	✓	✓	✓									
60	✓	✓	✓	✓	✓	✓				✓		
61	✓	✓	✓									
62	✓	✓	✓									
63	✓	✓	✓									
64	✓	✓	✓									
65	✓	✓	✓									
66	✓	✓	✓									
67	✓	✓	✓	✓	✓	✓	✓		✓			
68	✓	✓	✓									
69	✓	✓	✓									
70	✓	✓	✓									
71	✓	✓	✓									
72	✓	✓	✓									
73	✓	✓	✓									
74	✓	✓	✓									
75	✓	✓	✓									
76	✓	✓	✓	✓		✓			✓			
77	✓	✓	✓									
78	✓	✓	✓									
79	✓	✓	✓									
80	✓	✓	✓									

Table 1. cont.

STATION	TEMPERATURE SALINITY	NUTRIENTS	CHLOROPHYLL PHAEOPHYTIN	^{14}C	^{15}N	PC, PN	DNA	FTD	PHYTOPLANKTON	PARTICLE SIZE	ZOOPLANKTON (PUMP)	INTERFACE
81	✓	✓	✓									
82	✓	✓	✓									
83	✓	✓	✓									
84	✓	✓	✓									
85	✓	✓	✓									
86	✓	✓	✓	✓		✓			✓			
87	✓	✓	✓									
88	✓	✓	✓									
89	✓	✓	✓									
90	✓	✓	✓									
91	✓	✓	✓									
92	✓	✓	✓									
93	✓	✓	✓									
94	✓	✓	✓									
95	✓	✓	✓	✓		✓			✓			
96	✓	✓	✓									
97	✓	✓	✓									
98	✓	✓	✓									✓
99	✓	✓	✓									
100	✓	✓	✓									
101	✓	✓	✓									
102	✓	✓	✓									✓
103	✓	✓	✓									
104	✓	✓	✓									
105	✓	✓	✓									
106	✓	✓	✓									
107	✓	✓	✓	✓	✓	✓			✓			
108	✓	✓	✓									
109	✓	✓	✓									
110	✓	✓	✓									
111	✓	✓	✓									
112	✓	✓	✓									
113	✓	✓	✓	✓	✓	✓	✓		✓			
114	✓	✓	✓									
115	✓	✓	✓									
116	✓	✓	✓									
117	✓	✓	✓									✓
118	✓	✓	✓									
119	✓	✓	✓									
120	✓	✓	✓									

Table 1. cont.

STATION	TEMPERATURE SALINITY	NUTRIENTS	CHLOROPHYLL PHEOPHYTIN	^{14}C	^{15}N	PC, PN	DNA	FTD	PHYTOPLANKTON	PARTICLE SIZE	ZOOPLANKTON (PUMP)	INTERFACE
121	✓	✓	✓									
122	✓	✓	✓									
123	✓	✓	✓									
124	✓	✓	✓									
125	✓	✓	✓	✓	✓	✓			✓			
126	✓	✓	✓									
127	✓	✓	✓									
128	✓	✓	✓									
129	✓	✓	✓									
130	✓	✓	✓									
131	✓	✓	✓									
132	✓	✓	✓									
133	✓	✓	✓									✓
134	✓	✓	✓									
135	✓	✓	✓									
136	✓	✓	✓									
137	✓	✓	✓									
138	✓	✓	✓									
139	✓	✓	✓									✓

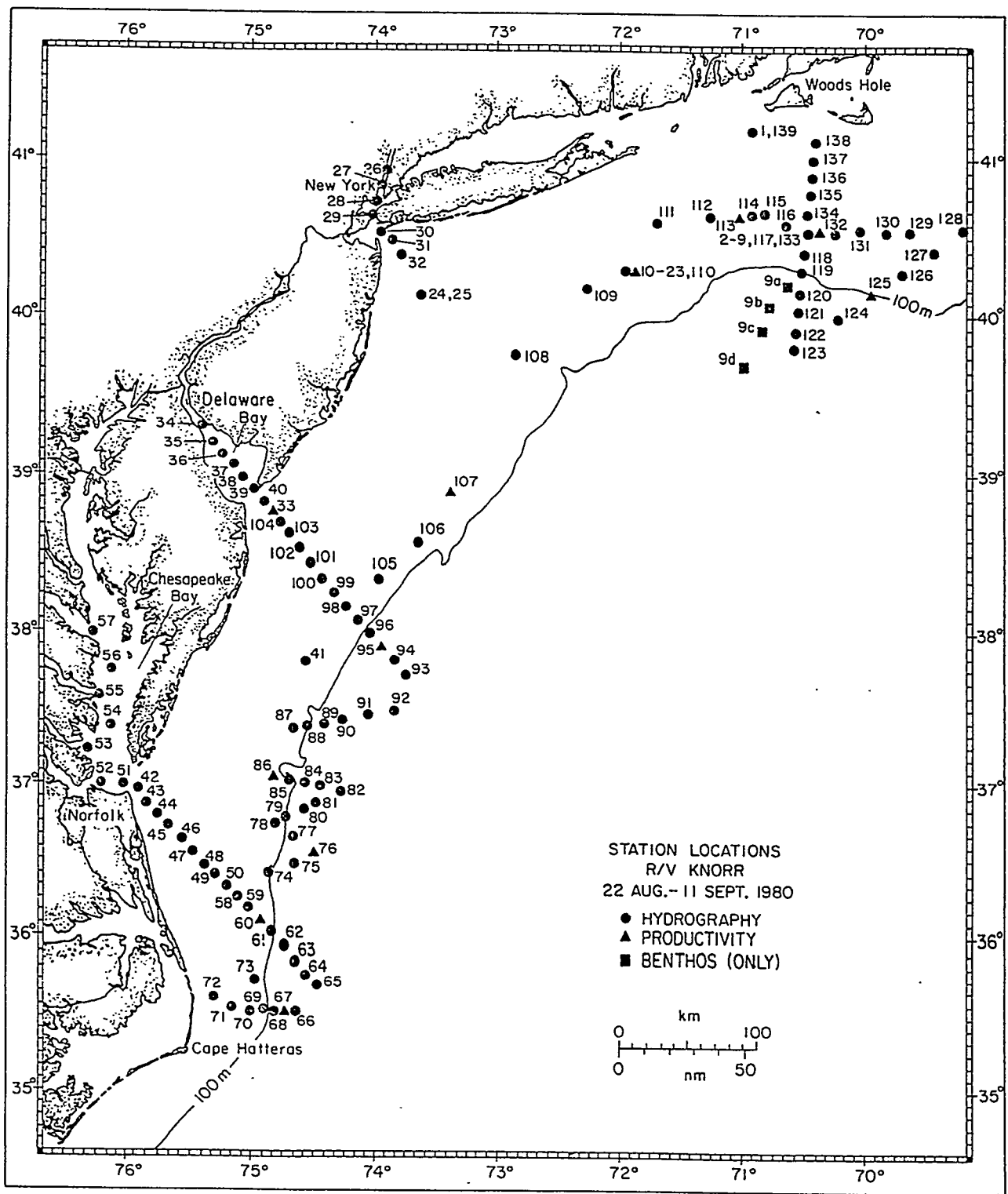


Figure 1. Station Location

Table 2. Station List

Station	Date	Messenger Time	Latitude N	Longitude W	Sonic Depth
1	23 Aug 80	0040	41 10.9	70 57.0	33
2	23 Aug 80	1034	40 30.0	70 29.0	69
3	23 Aug 80	1950	40 31.0	70 29.8	68
4	24 Aug 80	0221	40 31.3	70 28.9	67
5	24 Aug 80	0832	40 31.7	70 30.2	67
6	24 Aug 80	1419	40 31.2	70 29.9	67
7	24 Aug 80	2034	40 31.7	70 30.4	69
8	25 Aug 80	0205	40 31.8	70 30.3	67
9	25 Aug 80	0810	40 31.8	70 29.6	68
10	26 Aug 80	0734	40 16.4	71 54.0	70
11	26 Aug 80	1135	40 16.6	71 54.1	70
12	26 Aug 80	1528	40 16.0	71 53.8	70
13	26 Aug 80	1925	40 16.0	71 54.1	70
14	27 Aug 80	0002	40 15.9	71 53.7	70
15	27 Aug 80	0315	40 15.9	71 54.6	70
16	27 Aug 80	0716	40 15.2	71 53.8	70
17	27 Aug 80	1231	40 15.6	71 54.3	70
18	27 Aug 80	2002	40 14.7	71 57.0	70
19	28 Aug 80	0012	40 14.3	71 55.2	71
20	28 Aug 80	0749	40 13.9	71 56.7	70
21	28 Aug 80	1113	40 13.9	71 56.4	70
22	28 Aug 80	1803	40 16.8	71 53.7	70
23	28 Aug 80	2152	40 17.1	71 54.8	70
24	29 Aug 80	0117	40 7.3	73 35.7	73
25	29 Aug 80	1045	40 6.9	73 37.4	69
26	30 Aug 80	1003	40 54.1	73 55.0	12
27	30 Aug 80	1138	40 48.7	73 58.4	18
28	30 Aug 80	1324	40 42.7	74 1.5	18
29	30 Aug 80	1429	40 37.4	74 3.6	18
30	30 Aug 80	1545	40 30.9	73 59.6	16
31	30 Aug 80	1729	40 26.7	73 52.3	22
32	30 Aug 80	1852	40 22.1	73 50.5	25
33	31 Aug 80	0815	38 46.2	74 57.1	30
34	31 Aug 80	1344	39 20.7	75 26.4	14
35	31 Aug 80	1458	39 16.0	75 20.9	15
36	31 Aug 80	1555	39 10.2	75 16.9	15
37	31 Aug 80	1644	39 6.9	75 13.0	15
38	31 Aug 80	1753	39 1.1	75 9.6	15
39	31 Aug 80	1902	38 55.6	75 6.2	14
40	31 Aug 80	2012	38 50.1	75 4.1	22
41	1 Sep 80	0333	37 46.8	74 34.4	59
42	1 Sep 80	1222	36 59.3	75 52.6	11
43	1 Sep 80	1428	36 51.6	75 49.4	18
44	1 Sep 80	1532	36 47.0	75 43.5	20
45	1 Sep 80	1635	36 41.7	75 37.5	20

Table 2. cont.

Station	Date	Messenger Time	Latitude N	Longitude W	Sonic Depth
46	1 Sep 80	1840	36 36.8	75 31.4	20
47	1 Sep 80	1840	36 33.3	75 27.3	20
48	1 Sep 80	1952	36 28.8	75 20.9	31
49	1 Sep 80	2132	36 24.1	75 16.4	36
50	1 Sep 80	2242	36 19.7	75 11.6	35
51	2 Sep 80	0630	36 58.7	76 1.5	14
52	2 Sep 80	0802	36 59.8	76 11.4	15
53	2 Sep 80	1023	37 15.0	76 14.8	9
54	2 Sep 80	1212	37 26.5	76 9.9	11
55	2 Sep 80	1319	37 33.4	76 10.2	12
56	2 Sep 80	1451	37 44.6	76 10.4	18
57	2 Sep 80	1655	37 57.6	76 13.2	13
58	3 Sep 80	0545	36 15.2	75 5.1	37
59	3 Sep 80	0749	36 10.6	74 59.6	37
60	3 Sep 80	0909	36 6.4	74 54.1	78
61	3 Sep 80	1147	36 1.2	74 48.5	135
62	3 Sep 80	1310	35 56.6	74 42.6	914
63	3 Sep 80	1717	35 52.8	74 37.1	1750
64	3 Sep 80	2114	35 47.4	74 31.1	1790
65	4 Sep 80	0046	35 42.3	74 25.6	2200
66	4 Sep 80	0346	35 31.9	74 36.0	2200
67	4 Sep 80	0647	35 32.8	74 43.5	1662
68	4 Sep 80	1136	35 33.5	74 48.1	421
69	4 Sep 80	1250	35 33.8	74 53.7	50
70	4 Sep 80	1440	35 34.7	75 0.9	45
71	4 Sep 80	1600	35 36.2	75 10.6	36
72	4 Sep 80	1723	35 39.3	75 17.4	27
73	4 Sep 80	2029	35 45.6	74 56.6	58
74	5 Sep 80	0225	36 23.9	74 50.5	71
75	5 Sep 80	0459	36 27.6	74 39.3	925
76	5 Sep 80	0742	36 32.3	74 28.6	1920
77	5 Sep 80	1122	36 39.3	74 39.0	825
78	5 Sep 80	1349	36 44.2	74 48.1	60
79	5 Sep 80	1511	36 46.2	74 42.4	97
80	5 Sep 80	1626	36 48.6	74 36.9	1000
81	5 Sep 80	1840	36 52.4	74 26.9	1570
82	5 Sep 80	2134	36 57.0	74 15.8	2075
83	6 Sep 80	0035	36 58.6	74 27.3	1800
84	6 Sep 80	0253	37 0.2	74 34.5	825
85	6 Sep 80	0458	37 1.4	74 40.3	85
86	6 Sep 80	0648	37 2.9	74 49.0	62
87	6 Sep 80	0959	37 21.6	74 41.6	60
88	6 Sep 80	1225	37 22.7	74 34.8	88
89	6 Sep 80	1404	37 23.9	74 23.5	960
90	6 Sep 80	1722	37 25.5	74 14.1	1475
91	6 Sep 80	2018	37 27.5	74 2.1	1400

Table 2. cont.

Station	Date	Messenger Time	Latitude N	Longitude W	Sonic Depth
92	6 Sep 80	2248	37 29.1	73 49.8	1875
93	7 Sep 80	0227	37 46.2	73 50.7	1700
94	7 Sep 80	0505	37 51.4	73 57.2	750
95	7 Sep 80	0725	37 54.8	74 1.3	160
96	7 Sep 80	1001	38 0.4	74 6.4	95
97	7 Sep 80	1153	38 5.5	74 12.2	59
98	7 Sep 80	1334	38 10.4	74 17.8	45
99	7 Sep 80	1542	38 15.6	74 23.5	42
100	7 Sep 80	1659	38 20.7	74 29.1	40
101	7 Sep 80	1832	38 25.8	74 34.9	33
102	7 Sep 80	1947	38 31.0	74 40.0	23
103	7 Sep 80	2116	38 36.4	74 45.4	20
104	7 Sep 80	2232	38 41.0	74 50.8	21
105	8 Sep 80	0350	38 20.0	73 58.8	65
106	8 Sep 80	0639	38 34.0	73 40.1	64
107	8 Sep 80	1004	38 54.1	73 24.1	62
108	8 Sep 80	1655	39 45.0	72 52.0	71
109	8 Sep 80	2149	40 9.7	72 14.7	68
110	9 Sep 80	0027	40 15.9	71 51.7	72
111	9 Sep 80	0330	40 34.9	71 43.7	67
112	9 Sep 80	0621	40 37.3	71 16.0	66
113	9 Sep 80	0826	40 37.7	71 2.7	65
114	9 Sep 80	0957	40 37.8	70 56.1	71
115	9 Sep 80	1105	40 37.8	70 49.8	67
116	9 Sep 80	1232	40 35.3	70 39.4	67
117	9 Sep 80	1400	40 31.4	70 30.3	67
118	9 Sep 80	1642	40 23.9	70 30.5	83
119	9 Sep 80	1818	40 15.9	70 31.6	105
120	9 Sep 80	1936	40 8.3	70 32.5	119
121	9 Sep 80	2106	40 1.1	70 33.3	240
122	9 Sep 80	2238	39 53.7	70 33.8	534
123	10 Sep 80	0008	39 46.8	70 35.1	1500
124	10 Sep 80	0442	39 59.7	70 12.4	520
125	10 Sep 80	0720	40 7.8	69 57.3	111
126	10 Sep 80	1011	40 16.5	69 43.4	77
127	10 Sep 80	1217	40 25.0	69 28.4	66
128	10 Sep 80	1438	40 32.8	69 13.4	67
129	10 Sep 80	1720	40 32.3	69 39.2	66
130	10 Sep 80	1854	40 32.4	69 50.3	67
131	10 Sep 80	2043	40 33.4	70 3.8	59
132	10 Sep 80	2233	40 30.9	70 16.0	64
133	11 Sep 80	0035	40 31.5	70 29.6	67
134	11 Sep 80	0236	40 39.1	70 28.8	58
135	11 Sep 80	0426	40 46.4	70 28.2	52
136	11 Sep 80	0557	40 54.1	70 27.6	49
137	11 Sep 80	0714	41 1.7	70 26.9	42
138	11 Sep 80	0825	41 8.7	70 27.3	38
139	11 Sep 80	1053	41 10.6	70 56.9	29

HYDROGRAPHY DATA

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

T A B L E O F U N I T S

STATION	CAST	MAX DEPTH	DATE	MESSENGER	LATITUDE	LONGITUDE	SONIC
		OF CAST		TIME			
		M	LOCAL	EDT	DEG N	DEG W	M
	WIND	WIND	BAROMETRIC	AIR TEMP			
	DIRECTION	SPEED	PRESSURE	DRY BULB			
	WMO CODE	M/SEC	MBS (TRUNC)	C			
ACCEPTED				FLOUROMETRIC		PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
M	C	PARTS/1000		UG/L	UG/L	UG/L	UG/L
ACCEPTED							
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM		
M	UG-AT/L	UG-AT/L	UG-AT/L	UG-AT/L	UG-AT/L		

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
1	1	28	23 AUG 80	00:40:00	41 10.9 N	70 57.0 W	33
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	02	8	15.0	64.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	18.37	32.344	23.173	8.40	5.77	-	-
5	18.35	32.328	23.165	1.81	0.87	-	-
10	18.36	32.329	23.164	1.95	0.73	-	-
20	17.77	-	-	-	-	-	-
28	13.69	32.696	24.493	-	-	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.44	0.65	0.04	0.04	0.62
5	0.41	0.59	0.01	0.03	0.65
10	0.41	0.55	0.01	0.04	0.66
20	0.41	0.55	0.00	0.04	0.65
28	0.67	7.32	0.85	0.15	2.12

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
2	1	64	23 AUG 80	10:34:00	40 30.0 N	70 29.0 W	69
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	35	10	14.3	19.4			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	18.33	33.005	23.686	0.30	0.11	-	-
5	18.30	33.005	23.693	0.30	0.11	-	-
10	-	33.005	-	0.28	0.12	-	-
19	18.21	33.494	24.090	0.64	0.27	-	-
43	8.88	33.503	25.988	0.48	0.16	-	-
48	8.88	33.646	26.098	0.42	0.13	-	-
62	8.90	33.676	26.119	0.46	0.88	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.15	0.53	0.21	0.03	0.41
5	0.09	0.45	0.05	0.03	0.40
10	0.06	0.42	0.01	0.03	0.39
19	0.17	1.02	0.00	0.06	0.84
43	0.64	5.76	8.24	0.07	0.48
48	0.73	8.85	9.80	0.07	0.74
62	0.80	10.77	10.12	0.13	0.53

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC
		OF CAST	DATE	TIME				DEPTH
3	1	64	23 AUG 80	19:50:00		40 31.0 N	70 29.8 W	68
		WIND	WIND	BAROMETRIC	AIR TEMP			
		DIRECTION	SPEED	PRESSURE	DRY BULB			
		33	7	16.4	17.8			

ACCEPTED						PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	17.50	33.056	23.927	0.22	0.08	-	-
10	17.48	33.057	23.932	0.13	0.06	-	-
20	11.24	33.180	25.338	1.08	0.38	-	-
30	9.91	33.361	25.709	0.48	0.88	-	-
40	9.32	33.396	25.834	0.60	0.53	-	-
50	9.18	33.445	25.894	0.57	0.27	-	-
59	8.90	33.606	26.063	0.50	0.22	-	-
64	8.91	33.613	26.069	0.44	0.31	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.17	0.66	0.10	0.02	0.22
10	0.10	0.66	0.00	0.01	0.15
20	0.36	2.18	2.94	0.26	0.16
30	0.52	3.18	6.00	0.35	0.12
40	0.61	5.72	8.48	0.07	0.00
50	0.66	5.83	9.19	0.05	0.02
59	0.69	8.78	10.42	0.09	0.01
64	0.74	9.08	10.51	0.08	0.04

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
4	1	62	24 AUG 80	02:21:00	40 31.3 N	70 28.9 W	67
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	35	6	17.2	17.8			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	17.61	33.084	23.923	0.26	0.09	-	-
10	-	33.078	-	0.26	0.12	-	-
20	15.27	33.100	24.469	0.58	0.23	-	-
30	10.63	33.287	25.528	1.45	0.38	-	-
40	9.74	33.369	25.743	2.84	0.84	-	-
50	9.22	33.446	25.889	0.88	0.38	-	-
58	9.00	33.534	25.992	0.59	0.34	-	-
62	8.93	33.562	26.025	0.67	0.67	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.15	0.54	0.00	0.05	0.01
10	0.11	0.32	0.00	0.02	0.02
20	0.08	1.49	0.17	0.03	0.02
30	0.46	3.54	5.29	0.38	0.22
40	0.52	5.01	6.75	0.17	0.02
50	0.58	6.57	8.42	0.03	0.00
58	0.63	7.68	8.91	0.09	0.03
62	0.66	8.06	9.02	0.11	0.07

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH	DATE	MESSENGER	LATITUDE	LONGITUDE	SONIC
		OF CAST		TIME			DEPTH
5	1	63	24 AUG 80	08:32:00	40 31.7 N	70 30.2 W	67
	WIND	WIND	BAROMETRIC	AIR TEMP			
	DIRECTION	SPEED	PRESSURE	DRY BULB			
	04	3	17.5	19.4			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	17.55	33.070	23.925	0.24	0.10	-	-
10	17.53	33.084	23.942	0.24	0.09	-	-
20	-	33.166	-	0.53	0.15	-	-
30	9.73	33.425	25.789	1.68	0.27	-	-
40	-	33.472	-	0.87	0.41	-	-
50	8.94	33.545	26.010	0.77	0.25	-	-
57	8.95	33.544	26.008	0.65	0.31	-	-
63	8.93	33.549	26.015	0.58	0.27	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.15	1.04	0.03	0.07	0.03
10	0.10	0.97	0.00	0.06	0.01
20	0.18	1.11	0.00	0.07	0.03
30	0.65	3.65	6.94	0.24	0.01
40	0.82	7.85	9.35	0.08	0.04
50	0.83	8.40	9.76	0.13	0.05
57	0.84	8.65	9.81	0.13	0.01
63	0.85	8.75	9.74	0.14	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
6	1	63	24 AUG 80	14:19:00	40 31.2 N	70 29.9 W	67
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	00	5	-	-			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	17.98	33.086	23.833	0.25	0.07	-	-
10	17.83	33.092	23.874	0.25	0.08	-	-
20	17.57	33.094	23.940	0.50	0.01	-	-
30	11.39	33.303	25.406	2.96	0.11	-	-
40	9.92	33.370	25.715	1.92	0.11	-	-
50	9.18	33.463	25.908	0.95	0.41	-	-
57	9.00	33.531	25.990	0.76	0.18	-	-
63	8.96	33.533	25.997	0.87	0.38	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.16	1.05	0.05	0.03	0.15
10	0.12	1.03	0.06	0.03	0.01
20	0.10	0.99	0.02	0.02	0.00
30	0.28	2.15	0.18	0.06	0.01
40	0.60	3.23	6.23	0.40	0.01
50	0.82	8.28	9.02	0.09	0.03
57	0.78	8.42	9.44	0.12	0.01
63	0.78	8.56	9.42	0.14	0.03

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
7	1	65	24 AUG 80	20:34:00	40 31.7 N	70 30.4 W	69
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	06	2	18.2	18.3			

ACCEPTED		FLOUROMETRIC				PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	18.77	33.093	23.646	0.20	0.04	-	-
10	17.83	33.081	23.867	0.22	0.08	-	-
20	11.32	33.299	25.416	2.90	0.62	-	-
30	9.88	33.447	25.781	0.88	0.35	-	-
40	9.19	-	-	0.53	0.26	-	-
50	8.98	33.468	25.944	0.53	0.40	-	-
58	8.95	33.542	26.006	0.48	0.31	-	-
65	8.94	33.547	26.012	0.39	0.26	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.22	0.96	0.04	0.05	0.03
10	0.14	0.81	0.04	0.03	0.06
20	0.31	1.68	0.31	0.11	0.03
30	0.53	2.23	5.32	0.30	0.37
40	0.75	8.06	9.31	0.05	0.00
50	0.79	8.44	9.75	0.11	0.01
58	0.77	8.61	9.71	0.12	0.03
65	0.75	8.70	9.68	0.14	0.05

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
8	1	63	25 AUG 80	02:05:00	40 31.8 N	70 30.3 W	67
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	-9	5	10.2	18.9			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	17.98	33.088	23.835	0.27	0.04	-	-
10	17.64	33.084	23.913	0.27	0.04	-	-
20	16.55	33.130	24.205	0.47	0.07	-	-
30	10.35	33.347	25.624	1.28	0.49	-	-
40	9.94	33.400	25.735	1.21	0.32	-	-
50	9.01	33.531	25.988	0.74	0.18	-	-
57	9.00	33.536	25.994	0.60	0.31	-	-
63	8.95	33.545	26.008	0.60	0.31	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.27	0.77	0.04	0.06	-
10	0.09	0.93	0.07	0.01	-
20	0.06	0.78	0.01	0.06	-
30	0.39	3.44	6.03	0.39	-
40	0.50	2.88	6.56	0.32	-
50	0.69	7.52	9.62	0.13	-
57	0.66	7.79	9.67	0.13	-
63	0.65	7.94	9.73	0.12	-

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
9	1	64	25 AUG 80	08:10:00	40 31.8 N	70 29.6 W	68
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	32	3	19.1	19.4			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	17.65	33.057	23.891	0.64	0.30	-	-
10	17.52	33.057	23.923	0.60	0.27	-	-
20	16.86	33.073	24.090	0.68	0.27	-	-
30	10.52	33.338	25.587	0.75	0.31	-	-
40	9.60	33.387	25.781	1.92	0.46	-	-
50	9.40	33.438	25.853	0.26	0.14	-	-
58	9.10	33.500	25.950	0.19	0.05	-	-
64	9.06	33.503	25.959	0.17	0.02	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.20	0.97	0.12	0.04	0.02
10	0.07	0.88	0.09	0.02	0.00
20	0.13	0.88	0.07	0.02	0.00
30	0.43	2.40	2.62	0.36	0.00
40	0.75	8.71	7.99	0.21	0.08
50	0.74	8.19	8.47	0.14	0.00
58	0.75	8.82	9.00	0.10	0.00
64	0.77	8.87	8.99	0.12	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
10	1	65	26 AUG 80	07:34:00	40 16.4 N	71 54.0 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	26	3	19.8	20.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOREMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.61	32.875	22.735	0.24	0.06	-	-
10	20.82	32.866	22.943	0.31	0.10	-	-
15	20.77	32.883	22.968	0.47	0.17	-	-
20	14.81	33.178	24.631	1.01	0.46	-	-
25	9.74	33.333	25.716	0.97	0.40	-	-
30	8.92	33.329	25.845	2.76	0.85	-	-
40	8.49	33.522	26.061	0.74	0.59	-	-
50	8.29	33.592	26.148	0.13	0.11	-	-
65	8.28	33.605	26.159	0.13	0.14	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.17	0.04	0.09	0.04	0.04
10	0.04	0.07	0.06	0.02	0.03
15	0.10	0.08	0.04	0.02	0.03
20	0.15	0.23	0.00	0.05	0.08
25	0.32	2.55	0.00	0.06	0.02
30	0.62	2.83	1.55	0.12	1.52
40	0.70	6.20	7.50	0.06	0.01
50	1.00	15.17	12.21	0.07	0.01
65	0.99	15.81	12.51	0.07	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
11	1	65	26 AUG 80	11:35:00	40 16.6 N	71 54.1 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	26	2	20.2	-			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.85	32.876	22.671	0.37	0.13	-	-
10	20.85	32.856	22.928	0.34	0.11	-	-
15	20.68	32.839	22.959	0.26	0.11	-	-
20	20.46	32.854	23.028	0.54	0.22	-	-
25	11.50	33.127	25.250	0.77	0.38	-	-
30	9.48	33.147	25.614	1.01	0.55	-	-
35	8.88	33.305	25.831	2.08	0.37	-	-
45	8.37	33.466	26.037	0.34	0.13	-	-
55	8.32	33.612	26.157	0.13	0.11	-	-
65	8.34	33.618	26.160	0.14	0.17	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.18	0.14	0.06	0.04	0.01
10	0.13	0.07	0.05	0.02	0.01
15	0.10	0.04	0.04	0.02	0.00
20	0.09	0.04	0.03	0.02	0.01
25	0.27	1.67	0.01	0.02	0.01
30	0.41	2.55	0.01	0.05	0.05
35	0.61	4.51	4.88	0.12	0.02
45	0.85	11.99	10.50	0.05	0.00
55	0.92	14.51	11.91	0.07	0.02
65	0.92	14.76	11.97	0.12	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
12	1	65	26 AUG 80	15:28:00	40 16.0 N	71 53.8 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	27	3	19.0	20.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.22	32.856	22.828	0.22	0.05	-	-
10	20.64	32.855	22.982	0.22	0.06	-	-
15	20.54	32.846	23.001	0.31	0.11	-	-
20	15.57	32.984	24.315	0.97	0.52	-	-
25	10.01	33.194	25.562	0.48	0.21	-	-
30	9.23	33.321	25.789	2.08	0.52	-	-
35	9.45	33.481	25.879	1.16	0.38	-	-
45	8.45	33.501	26.052	0.32	0.18	-	-
55	8.37	33.605	26.145	0.36	0.14	-	-
65	8.35	33.689	26.214	0.13	0.14	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.17	0.15	0.08	0.04	0.03
10	0.09	0.06	0.04	0.03	0.01
15	0.07	0.01	0.05	0.02	0.03
20	0.12	0.20	0.02	0.02	0.01
25	0.28	2.16	0.00	0.02	0.02
30	0.41	3.15	0.45	0.13	0.04
35	0.47	4.31	2.98	0.27	0.04
45	0.71	8.77	8.43	0.06	0.03
55	0.81	11.69	10.67	0.05	0.08
65	0.89	15.91	12.39	0.08	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC
		OF CAST	DATE	TIME				DEPTH
13	1	65	26 AUG 80	19:25:00		40 16.0 N	71 54.1 W	70
		WIND	WIND	BAROMETRIC	AIR TEMP			
		DIRECTION	SPEED	PRESSURE	DRY BULB			
		22	4	19.0	21.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	22.80	32.878	22.405	0.20	0.06	-	-
10	20.66	32.868	22.988	0.36	0.10	-	-
15	20.59	32.866	23.004	0.21	0.10	-	-
20	16.35	32.936	24.104	0.81	0.43	-	-
25	10.92	33.195	25.407	0.67	0.30	-	-
30	10.04	33.513	25.806	1.31	0.41	-	-
35	9.41	33.519	25.914	1.44	0.36	-	-
45	8.53	33.578	26.100	0.32	0.14	-	-
55	8.33	33.639	26.177	0.18	0.03	-	-
65	8.37	33.696	26.216	0.13	0.14	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.17	0.15	0.08	0.04	0.03
10	0.09	0.06	0.04	0.03	0.01
15	0.07	0.01	0.05	0.02	0.03
20	0.12	0.20	0.02	0.02	0.01
25	0.28	2.16	0.00	0.02	0.02
30	0.41	3.15	0.45	0.13	0.04
35	0.47	4.31	2.98	0.27	0.04
45	0.71	8.77	8.43	0.06	0.03
55	0.81	11.69	10.67	0.05	0.08
65	0.89	15.91	12.39	0.08	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
14	1	65	27 AUG 80	00:02:00	40 15.9 N	71 53.7 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	30	4	19.0	22.8			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	22.24	32.874	22.561	0.13	0.10	-	-
10	20.69	32.847	22.964	0.20	0.10	-	-
15	20.57	32.845	22.992	0.34	0.12	-	-
20	12.72	33.114	25.008	0.81	0.50	-	-
25	9.69	33.417	25.790	1.75	0.40	-	-
30	9.33	33.494	25.908	1.01	0.45	-	-
35	8.57	33.453	25.996	0.47	0.30	-	-
45	8.41	33.600	26.135	0.27	0.27	-	-
55	8.33	33.652	26.187	0.20	0.10	-	-
65	8.35	33.671	26.200	0.20	0.10	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.28	0.20	0.10	0.04	0.07
10	0.11	0.11	0.04	0.02	0.01
15	0.07	0.04	0.03	0.02	-
20	0.16	0.87	0.01	0.02	-
25	0.30	2.54	0.60	0.13	-
30	0.38	3.96	2.92	0.24	-
35	0.60	7.88	7.63	0.06	-
45	0.67	9.30	9.18	0.05	0.00
55	0.82	15.57	12.04	0.08	0.00
65	0.83	15.96	12.21	0.09	0.01

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
15	1	65	27 AUG 80	03:15:00	40 15.9 N	71 54.6 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	23	5	18.8	21.7			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.57	32.863	22.736	0.12	0.03	-	-
10	20.62	32.853	22.987	0.20	0.06	-	-
15	17.64	32.906	23.779	0.52	0.29	-	-
20	9.99	33.202	25.572	0.40	0.22	-	-
25	8.93	33.312	25.830	1.29	0.56	-	-
30	8.59	33.374	25.930	0.95	0.45	-	-
35	8.46	33.412	25.980	0.16	0.11	-	-
45	8.35	33.470	26.043	0.11	0.07	-	-
55	8.38	33.572	26.118	0.22	0.12	-	-
65	8.37	33.676	26.201	0.16	0.14	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	-	-	-	-	-
10	-	-	-	-	-
15	-	-	-	-	-
20	-	-	-	-	-
25	-	-	-	-	-
30	-	-	-	-	-
35	-	-	-	-	-
45	-	-	-	-	-
55	-	-	-	-	-
65	-	-	-	-	-

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
16	1	65	27 AUG 80	07:16:00	40 15.2 N	71 53.8 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	16	5	19.0	19.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.62	32.858	22.719	0.15	0.04	-	-
10	20.62	32.841	22.978	0.21	0.08	-	-
15	20.57	32.854	23.000	0.19	0.07	-	-
20	14.15	32.981	24.618	0.93	0.34	-	-
25	11.28	33.493	25.573	0.58	0.34	-	-
30	9.63	33.451	25.826	2.25	0.58	-	-
35	8.75	33.442	25.959	0.95	0.26	-	-
45	8.36	33.500	26.065	0.15	0.08	-	-
54	8.34	33.572	26.124	0.11	0.07	-	-
64	8.42	33.712	26.222	0.18	0.12	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.25	0.11	0.09	0.06	0.01
10	0.15	0.05	0.08	0.03	0.01
15	-	-	-	-	-
20	0.25	0.25	0.07	0.02	0.01
25	0.26	1.67	0.07	0.02	0.01
30	0.40	2.50	0.89	0.26	0.03
35	0.68	7.42	5.67	0.12	0.02
45	0.92	14.19	10.26	0.04	0.04
54	0.95	15.27	10.89	0.03	0.01
64	0.96	15.47	11.45	0.06	0.03

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
17	1	65	27 AUG 80	12:31:00	40 15.6 N	71 54.3 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	27	4	16.5	-			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.49	32.829	22.733	0.26	0.06	-	-
10	20.81	32.848	22.931	0.26	0.05	-	-
15	20.53	32.846	23.005	0.25	0.08	-	-
20	17.47	32.861	23.785	0.73	0.22	-	-
25	11.74	33.107	25.188	1.11	0.35	-	-
30	9.96	33.415	25.742	2.12	0.50	-	-
35	8.71	33.425	25.952	1.34	0.19	-	-
45	8.33	33.472	26.048	0.15	0.08	-	-
55	8.38	33.547	26.099	0.14	0.08	-	-
65	8.37	33.659	26.188	0.14	0.14	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.47	0.08	0.06	0.04	0.10
10	0.19	0.05	0.06	0.02	0.02
15	0.11	0.03	0.05	0.02	0.02
20	0.10	0.07	0.03	0.01	0.02
25	0.17	0.92	0.03	0.02	0.03
30	0.26	2.27	0.07	0.16	0.06
35	0.54	8.26	4.91	0.15	0.02
45	0.68	12.98	8.28	0.04	0.03
55	0.71	13.21	8.12	0.04	0.04
65	0.76	15.34	9.50	0.09	0.05

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
18	1	65	27 AUG 80	20:02:00	40 14.7 N	71 57.0 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	24	7	18.8	23.3			

ACCEPTED						PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	22.57	32.816	22.423	0.14	0.12	-	-
10	20.71	32.831	22.945	0.23	0.12	-	-
15	20.29	32.853	23.074	0.21	0.13	-	-
20	13.25	32.986	24.805	0.86	0.45	-	-
25	11.85	33.536	25.502	0.52	0.28	-	-
30	10.13	33.462	25.751	1.75	0.47	-	-
35	8.79	33.490	25.991	0.50	0.22	-	-
45	8.33	33.518	26.083	0.07	0.08	-	-
55	8.35	33.585	26.132	0.05	0.03	-	-
65	8.36	33.624	26.161	0.04	0.04	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.15	0.14	0.12	0.06	0.07
10	0.12	0.07	0.07	0.03	0.06
15	0.08	0.02	0.05	0.03	0.06
20	0.21	0.66	0.04	0.03	0.06
25	0.18	1.73	0.04	0.03	0.06
30	0.31	2.05	0.15	0.10	0.07
35	0.81	14.19	8.58	0.03	0.05
45	0.91	14.36	10.03	0.04	0.06
55	1.07	14.71	10.46	0.06	0.07
65	1.03	14.82	10.52	0.08	0.09

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH	DATE	MESSENGER	LATITUDE	LONGITUDE	SONIC
		OF CAST		TIME			DEPTH
19	1	65	28 AUG 80	00:12:00	40 14.3 N	71 55.2 W	71
	WIND	WIND	BAROMETRIC	AIR TEMP			
	DIRECTION	SPEED	PRESSURE	DRY BULB			
	40	7	18.6	23.9			

ACCEPTED				FLOUROMETRIC			PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN	
0	21.78	32.873	22.686	0.21	0.11	-	-	
10	21.07	32.855	22.865	0.22	0.12	-	-	
15	20.72	32.842	22.951	0.21	0.10	-	-	
20	15.73	32.954	24.257	0.94	0.59	-	-	
25	11.95	33.561	25.502	0.60	0.39	-	-	
30	9.55	33.462	25.848	2.02	0.51	-	-	
35	8.48	33.481	26.032	0.40	0.06	-	-	
45	8.33	33.529	26.091	0.10	0.12	-	-	
55	8.37	33.631	26.165	0.16	0.13	-	-	
65	8.38	33.665	26.192	0.17	0.15	-	-	

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.27	-	0.03	0.07	0.09
10	0.14	-	0.02	0.03	0.08
15	0.11	0.26	0.03	0.03	0.06
20	0.47	0.52	0.02	0.03	0.06
25	0.40	1.85	0.01	0.02	0.05
30	0.43	3.08	1.22	0.28	0.06
35	0.85	12.54	8.66	0.07	0.07
45	0.93	15.39	10.21	0.04	0.06
55	0.97	14.37	10.36	0.05	0.06
65	1.02	15.04	10.67	0.12	0.06

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
20	1	65	28 AUG 80	07:49:00	40 13.9 N	71 56.7 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	25	5	19.0	25.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.50	32.786	22.699	0.17	0.10	-	-
10	20.86	32.876	22.938	0.19	0.07	-	-
15	19.42	32.901	23.335	0.73	0.61	-	-
20	13.35	33.192	24.944	0.90	0.43	-	-
25	10.11	33.416	25.718	0.91	0.36	-	-
30	9.68	33.460	25.825	1.74	0.24	-	-
35	8.96	33.531	25.996	0.85	0.21	-	-
45	8.34	33.525	26.086	0.07	0.12	-	-
55	8.38	33.660	26.188	0.17	0.13	-	-
65	8.36	33.670	26.198	0.13	0.13	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.19	0.24	0.10	0.06	0.04
10	0.10	0.21	0.09	0.03	0.03
15	0.10	0.09	0.06	0.02	0.03
20	0.19	0.59	0.04	0.02	0.02
25	0.26	1.74	0.06	0.08	0.01
30	0.34	2.05	0.31	0.27	0.01
35	0.58	6.64	4.70	0.18	0.01
45	0.86	15.09	10.43	0.05	0.03
55	0.89	14.86	10.93	0.04	0.03
65	0.88	14.93	10.89	0.06	0.03

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
21	1	65	28 AUG 80	11:13:00	40 13.9 N	71 56.4 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	27	1	20.4	-			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.62	32.791	22.668	0.18	0.05	-	-
10	20.80	32.841	22.930	0.20	0.10	-	-
15	20.81	32.851	22.934	0.27	0.11	-	-
20	18.51	32.906	23.567	0.37	0.82	-	-
25	11.51	33.542	25.569	0.40	0.75	-	-
30	9.90	33.480	25.804	1.14	0.47	-	-
35	9.26	33.559	25.971	1.41	0.35	-	-
45	8.36	33.534	26.091	0.11	0.05	-	-
55	8.37	33.616	26.154	0.12	0.08	-	-
65	8.38	33.662	26.188	0.15	0.14	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.20	0.37	0.04	0.07	0.00
10	0.13	0.19	0.00	0.06	0.04
15	0.10	0.15	0.00	0.04	0.05
20	0.12	0.04	0.00	0.03	0.05
25	0.22	1.65	0.00	0.02	0.06
30	0.31	1.90	0.09	0.16	0.06
35	0.54	5.39	3.69	0.22	0.07
45	0.85	14.62	10.26	0.09	0.07
55	0.88	12.97	10.22	0.07	0.08
65	0.87	15.15	10.86	0.06	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LONGITUDE	SONIC
		OF CAST	DATE	TIME	LATITUDE		
22	1	65	28 AUG 80	18:03:00	40 16.8 N	71 53.7 W	70
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		8	11	20.8	20.0		

ACCEPTED				FLOUROMETRIC		PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	21.87	32.811	22.615	0.30	0.16	-	-
10	21.70	32.816	22.666	0.19	0.10	-	-
15	20.32	33.108	23.257	0.20	0.10	-	-
20	15.62	33.173	24.449	1.08	0.53	-	-
25	10.14	33.301	25.623	0.87	0.35	-	-
30	8.89	33.286	25.815	2.45	0.61	-	-
35	8.77	33.356	25.889	1.34	0.31	-	-
45	8.42	33.470	26.032	0.40	0.13	-	-
55	8.31	33.538	26.102	0.12	0.11	-	-
65	8.32	33.544	26.105	0.09	0.18	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.18	0.29	0.06	0.05	0.05
10	0.10	0.19	0.05	0.02	0.06
15	0.07	0.36	0.02	0.05	0.06
20	0.12	0.15	0.01	0.03	0.06
25	0.29	1.93	0.03	0.01	0.06
30	0.50	3.55	1.81	0.18	0.06
35	0.58	5.26	4.86	0.13	0.01
45	0.74	10.00	8.85	0.02	0.03
55	0.89	14.86	11.24	0.03	0.02
65	0.90	14.88	11.21	0.07	0.03

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
23	1	65	28 AUG 80	21:52:00	40 17.1 N	71 54.8 W	70
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	09	7	22.7	18.9			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.37	32.902	22.821	0.27	0.11	-	-
10	21.37	32.900	22.818	0.17	0.07	-	-
15	20.24	33.181	23.335	0.18	0.08	-	-
20	13.90	33.303	24.918	1.20	0.64	-	-
25	9.60	33.324	25.732	0.74	0.41	-	-
30	8.75	33.275	25.829	1.76	0.41	-	-
35	8.71	33.344	25.889	0.70	0.30	-	-
45	8.43	33.485	26.042	0.24	0.16	-	-
55	8.31	33.546	26.108	0.17	0.21	-	-
65	8.33	33.563	26.118	0.13	0.17	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.15	0.67	0.10	0.02	0.04
10	0.10	0.42	0.07	0.01	0.01
15	0.06	0.57	0.06	0.01	0.01
20	0.11	0.11	0.05	0.01	0.01
25	0.32	1.91	0.06	0.09	0.01
30	0.51	3.74	3.32	0.16	0.00
35	0.57	4.47	5.64	0.06	0.00
45	0.76	10.44	10.15	0.03	0.00
55	0.89	14.10	12.30	0.05	0.01
65	0.89	13.99	12.33	0.06	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
24	1	65	29 AUG 80	07:17:00	40° 7.3 N	73 35.7 W	73
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	8	5	24.2	21.1			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	22.08	32.344	22.204	0.11	0.04	-	-
10	21.77	32.301	22.257	0.14	0.04	-	-
15	20.83	32.428	22.608	0.18	0.14	-	-
20	20.04	32.466	22.845	0.24	0.19	-	-
25	10.82	32.930	25.217	1.15	0.44	-	-
30	10.44	32.920	25.277	1.07	0.48	-	-
35	10.30	32.901	25.286	1.46	0.72	-	-
45	9.20	32.958	25.511	1.32	0.67	-	-
55	7.90	33.361	26.023	2.02	0.78	-	-
65	7.77	34.473	26.914	1.63	0.86	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.20	0.29	0.05	0.06	0.04
10	0.15	0.18	0.02	0.04	0.02
15	0.14	0.08	0.02	0.04	0.01
20	0.13	0.06	0.02	0.03	0.04
25	0.65	5.96	0.97	0.14	2.85
30	0.72	7.46	1.28	0.16	3.56
35	0.83	8.57	1.33	0.20	4.36
45	0.77	6.94	1.68	0.18	3.69
55	1.07	13.95	5.51	0.21	5.37
65	1.06	13.77	5.63	0.22	4.96

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
25	1	65	29 AUG 80	10:45:00	40 6.9 N	73 37.4 W	69
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	09	6	24.4	21.7			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.97	32.358	22.246	0.15	0.05	-	-
10	21.70	32.326	22.295	0.16	0.11	-	-
15	21.17	32.339	22.449	0.16	0.17	-	-
20	19.24	32.476	23.057	0.33	0.23	-	-
25	12.75	32.791	24.753	1.75	0.54	-	-
30	11.20	32.863	25.099	1.61	0.53	-	-
35	10.51	32.905	25.253	1.75	0.70	-	-
45	8.94	32.979	25.568	0.77	0.81	-	-
55	8.70	33.003	25.624	0.80	0.73	-	-
65	8.52	33.024	25.668	1.28	1.09	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.20	0.17	0.07	0.06	0.09
10	0.13	0.12	0.06	0.02	0.04
15	0.08	0.06	0.04	0.01	0.01
20	0.12	0.13	0.04	0.01	0.03
25	0.53	4.47	0.36	0.09	1.86
30	0.47	4.00	0.27	0.08	1.17
35	0.52	4.02	0.37	0.09	1.55
45	0.84	8.02	1.75	0.18	4.54
55	0.93	10.39	2.23	0.22	5.66
65	1.03	11.83	2.76	0.27	6.50

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
26	1	10	30 AUG 80	10:03:00	40 54.1 N	73 55.0 W	12
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	25	1	22.3	24.4			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.86	13.979	7.637	2.76	2.45	1925.0	94.8
5	24.64	14.842	8.342	2.16	2.43	651.3	82.7
10	24.39	15.901	9.203	1.97	2.08	243.2	60.3

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	3.39	18.37	34.41	3.74	18.76
5	3.63	19.07	33.61	4.05	23.27
10	3.68	19.61	32.62	4.35	27.10

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
27	1	16	30 AUG 80	11:38:00	40 48.7 N	73 58.4 W	18
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	21	4	22.3	30.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.37	18.839	11.409	3.56	1.19	717.5	80.7
8	23.57	20.882	13.162	2.04	2.09	905.0	110.8
16	23.57	21.102	13.329	2.76	6.51	875.4	106.5

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	3.45	19.88	29.42	4.85	34.12
8	-	-	-	-	-
16	3.69	19.56	25.16	4.82	43.24

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
28	1	16	30 AUG 80	13:24:00	40 42.7 N	74 1.5 W	18
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
		-	22.0	27.2			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	23.37	25.554	16.727	11.98	1.80	1343.5	217.2
7	22.65	27.397	18.314	5.64	4.62	1024.5	117.3
15	22.62	27.561	18.443	5.31	3.19	779.3	119.0

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	3.55	12.17	16.07	3.78	45.42
7	3.22	10.26	12.13	2.97	43.55
15	3.22	9.82	11.82	2.90	42.58

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
29	1	16	30 AUG 80	14:29:00	40 37.4 N	74 3.6 W	18
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	36	6	21.8	24.4			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	22.29	28.913	19.555	10.75	1.58	663.6	103.6
8	21.88	29.782	20.321	6.32	1.96	660.2	78.1
16	21.86	29.938	20.446	5.64	1.63	505.2	88.3

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	2.32	5.97	8.67	1.99	33.49
8	2.03	4.72	6.48	1.44	26.22
16	1.98	4.42	6.08	1.34	24.72

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
30	1	13	30 AUG 80	15:45:00	40 30.9 N	73 59.6 W	16
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	16	8	20.4	23.3			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.86	29.622	20.206	4.03	1.25	428.1	51.8
5	21.61	30.325	20.806	4.03	0.95	396.3	54.7
13	21.37	31.143	21.489	4.03	1.71	401.7	49.7

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.77	2.18	6.64	1.19	19.75
5	1.49	2.33	4.88	0.90	15.47
13	0.99	2.05	2.64	0.50	9.37

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
31	1	18	30 AUG 80	17:29:00	40 26.7 N	73 52.3 W	22
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	17	8	19.6	22.2			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	22.25	30.755	20.956	8.80	1.31	820.2	100.5
9	22.13	31.291	21.393	5.04	1.70	683.4	66.0
18	20.35	31.992	22.402	2.04	0.72	393.8	41.6

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.92	1.32	3.40	0.65	5.44
9	0.61	1.17	1.68	0.34	2.25
18	0.33	1.66	0.11	0.04	0.60

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
32	1	23	30 AUG 80	18:52:00	40 22.1 N	73 50.5 W	25
		WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB		
		18	9	19.6	22.8		

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.89	31.753	21.809	3.53	1.71	328.0	60.8
10	20.25	32.326	22.684	0.69	0.32	597.1	58.8
23	18.06	32.229	23.161	1.21	0.63	322.0	23.3

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.33	0.39	0.07	0.09	0.04
10	0.19	0.22	0.02	0.01	0.24
23	0.72	3.39	0.23	0.10	6.24

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH	DATE	MESSENGER	LATITUDE	LONGITUDE	SONIC
		OF CAST		TIME			DEPTH
33	1	27	31 AUG 80	08:15:00	38 46.2 N	74 57.1 W	30
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		27	4	19.8	27.8		

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	21.31	31.826	22.022	2.22	1.77	-	-
5	21.30	31.829	22.028	2.02	1.81	-	-
10	21.29	31.828	22.030	2.42	1.64	-	-
15	21.24	31.826	22.042	2.08	1.82	-	-
20	21.22	31.828	22.047	2.42	1.87	-	-
27	21.21	31.862	22.077	2.28	2.01	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.93	5.35	0.90	0.26	6.13
5	0.98	5.32	0.86	0.25	6.01
10	0.96	5.41	0.74	0.28	6.17
15	0.98	5.49	0.79	0.31	6.46
20	1.00	5.47	0.72	0.30	6.47
27	1.05	5.81	0.73	0.30	6.82

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
34	1	10	31 AUG 80	13:44:00	39 20.7 N	75 26.4 W	14
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	24	7	8.0	31.1			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.05	15.873	8.716	6.65	3.46	977.6	113.9
4	26.06	15.366	8.333	7.73	3.00	-	-
10	25.88	16.690	9.375	6.72	12.82	6201.0	843.5

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.98	13.31	56.50	2.99	0.50
4	2.04	14.07	65.49	2.72	0.07
10	2.49	13.25	53.93	3.06	1.20

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST	DATE	TIME				
35	1	12	31 AUG 80	14:58:00		39 16.0 N	75 20.9 W	15
		WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
		25	7	17.4	30.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE CARBON	PARTICULATE NITROGEN
				CHLOROPHYLL	PHAEOPHYTIN		
0	25.97	20.926	12.512	13.10	2.60	1228.0	182.5
3	25.90	21.128	12.684	13.31	3.70	1273.0	184.7
9	25.44	21.794	13.317	7.73	4.91	1024.8	163.3
12	25.32	21.921	13.446	6.38	5.11	1241.5	174.3

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.43	4.62	24.61	1.72	1.31
3	1.52	4.42	23.33	1.65	1.43
9	1.47	4.44	19.60	1.51	3.43
12	1.44	4.49	18.87	1.49	4.02

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
36	1	9	31 AUG 80	15:55:00	39 10.2 N	75 16.9 W	15
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	22	5	17.0	29.4			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.12	25.387	16.102	18.80	1.87	1367.5	187.5
3	24.76	25.776	16.497	14.80	2.07	1177.0	181.3
9	24.58	25.860	16.613	10.42	3.37	1212.0	163.0

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.43	0.39	0.43	0.18	0.18
3	0.39	0.42	0.31	0.11	0.59
9	0.35	0.49	0.60	0.14	0.92

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
37	1	12	31 AUG 80	16:44:00	39 6.9 N	75 13.0 W	15
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	17	3	17.0	27.8			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.09	27.674	18.115	8.27	2.15	247.1	25.1
3	24.10	27.651	18.095	7.73	3.76	899.4	104.1
9	23.90	27.825	18.285	7.39	2.49	723.8	101.0
12	23.77	27.972	18.433	7.12	2.38	547.0	71.6

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.33	0.37	0.11	0.03	0.03
3	0.28	0.28	0.08	0.01	0.01
9	0.41	0.32	0.07	0.01	0.07
12	0.27	0.27	0.09	0.01	0.07

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
38	1	9	31 AUG 80	17:53:00	39 1.1 N	75 9.6 W	15
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	16	6	17.0	26.1			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	23.49	29.221	19.451	5.04	1.85	1075.0	114.1
3	23.49	29.215	19.448	4.64	1.34	924.4	108.0
9	23.50	29.221	19.449	5.38	1.90	1019.8	129.8

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.19	0.20	0.07	0.04	0.00
3	0.24	0.20	0.08	0.03	0.09
9	0.21	0.10	0.04	0.02	0.04

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
39	1	9	31 AUG 80	19:02:00	38 55.6 N	75 6.2 W	14
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	16	8	16.9	25.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	22.89	30.211	20.367	6.05	1.61	230.3	20.2
3	22.89	30.219	20.374	6.38	2.43	136.3	39.5
9	22.91	30.215	20.364	6.05	2.38	260.4	41.6

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.50	0.71	0.12	0.04	0.03
3	0.44	0.66	0.08	0.01	0.00
9	0.42	0.59	0.09	0.00	0.01

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
40	1	18	31 AUG 80	20:12:00	38 50.1 N	75 4.1 W	22
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	19	7	17.2	29.4			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	22.80	30.830	20.859	6.72	1.55	699.3	88.8
3	22.82	30.797	20.829	6.85	1.11	395.5	40.3
9	22.38	31.248	21.291	6.12	1.55	570.5	78.8
12	22.28	31.279	21.345	5.91	0.98	309.5	20.2
18	22.12	31.463	21.526	4.03	1.94	343.2	30.2

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.59	1.85	0.40	0.10	0.49
3	0.51	1.80	0.32	0.07	0.30
9	0.68	2.31	0.67	0.15	2.04
12	0.66	2.50	0.68	0.14	2.36
18	0.79	2.78	0.71	0.18	4.04

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST	DATE	TIME				
41	1	50	1 SEP 80	03:33:00		37 46.8 N	74 34.4 W	59
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB				
	22	7	19.0	23.3				

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE CARBON	PARTICULATE NITROGEN
				CHLOROPHYLL	PHAEOPHYTIN		
0	24.19	32.480	21.704	0.15	0.11	208.9	15.1
10	23.83	33.462	22.551	0.16	0.10	377.8	28.5
15	24.75	34.735	23.238	0.11	0.07	-	-
20	25.02	35.221	23.523	0.11	0.06	237.0	18.3
25	22.97	35.205	24.118	0.26	0.22	-	-
30	12.02	33.628	25.540	1.67	0.40	208.7	28.5
35	9.29	33.446	25.876	2.65	1.06	-	-
45	9.37	33.511	25.915	1.81	0.37	121.2	12.2
50	9.35	33.524	25.928	1.81	0.60	250.7	30.8

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.07	0.37	0.20	0.05	0.00
10	0.16	0.53	0.08	0.02	0.02
15	0.06	0.73	0.05	0.01	0.00
20	0.03	0.77	0.05	0.01	0.02
25	0.00	0.92	0.06	0.01	0.01
30	0.19	1.78	0.04	0.01	0.02
35	0.46	4.47	0.13	0.01	0.40
45	0.54	5.15	0.28	0.03	0.83
50	0.52	5.24	0.31	0.03	1.21

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
42	1	7	1 SEP 80	12:22:00	36 59.3 N	75 52.6 W	11
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	18	5	19.8	27.8			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	23.52	31.286	20.998	3.43	1.02	204.8	22.3
3	22.80	31.486	21.356	3.96	2.24	277.3	28.2
7	21.71	32.261	22.243	8.47	3.25	332.2	18.3

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.23	1.12	0.18	0.04	0.01
3	0.30	1.14	0.06	0.01	0.01
7	0.40	1.06	0.05	0.00	0.01

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
43	1	15	1 SEP 80	14:28:00	36 51.6 N	75 49.4 W	18
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	17	7	19.2	26.7			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.16	28.795	18.938	3.02	1.27	319.6	47.1
4	23.46	29.646	19.780	1.61	0.53	248.7	43.7
8	20.14	33.200	23.376	0.81	0.34	-	-
15	20.01	33.292	23.479	1.48	0.51	537.4	90.0

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.38	2.50	0.21	0.08	0.18
4	0.35	1.72	0.04	0.08	0.13
8	0.44	4.69	0.13	0.08	0.58
15	0.30	5.14	0.13	0.08	0.69

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH	DATE	MESSENGER		LONGITUDE	SONIC
		OF CAST		TIME	LATITUDE		DEPTH
44	1	16	1 SEP 80	15:32:00	36 47.0 N	75 43.5 W	20
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		17	8	19.0	26.7		

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	24.79	30.328	19.906	0.40	0.13	307.4	23.4
4	22.29	33.182	22.778	0.34	0.20	208.7	28.5
8	21.36	33.353	23.167	0.34	0.12	121.2	12.1
16	20.22	33.446	23.541	0.74	0.33	250.7	30.7

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.29	0.30	0.16	0.04	0.02
4	0.22	0.36	0.06	0.01	0.01
8	0.22	0.45	0.06	0.00	0.05
16	0.34	2.83	0.09	0.01	0.24

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST	DATE	TIME				
45	1	17	1 SEP 80	16:35:00		36 41.7 N	75 37.5 W	20
		WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
		15	7	19.0	27.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE CARBON	PARTICULATE NITROGEN
				CHLOROPHYLL	PHAEOPHYTIN		
0	25.23	31.434	20.608	0.19	0.04	172.8	22.3
4	25.03	31.767	20.917	0.19	0.07	227.3	18.2
8	22.23	33.610	23.121	0.24	0.13	332.2	18.3
12	20.88	33.585	23.470	0.46	0.72	273.5	-
17	20.87	33.593	23.480	0.37	0.20	211.0	34.7

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.24	0.59	0.14	0.06	0.00
4	0.16	0.88	0.07	0.02	0.03
8	0.17	1.38	0.04	0.01	0.04
12	0.16	1.29	0.05	0.01	0.06
17	0.18	1.08	0.05	0.00	0.03

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
46	1	17	1 SEP 80	18:40:00	36 36.8 N	75 31.4 W	20
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	17	8	19.1	26.1			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.69	30.988	20.131	0.09	0.03	-	-
4	25.33	32.486	21.369	0.11	0.03	-	-
8	24.77	33.941	22.634	0.15	0.04	-	-
12	20.64	33.625	23.565	0.18	0.06	-	-
17	19.40	33.519	23.809	0.47	0.22	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.24	0.36	0.17	0.06	0.04
4	0.12	0.59	0.07	0.02	0.03
8	0.08	0.54	0.05	0.02	0.01
12	0.15	1.34	0.05	0.01	0.00
17	0.15	1.38	0.04	0.02	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
47	1	17	1 SEP 80	18:40:00	36 33.3 N	75 27.3 W	20
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	17	7	19.1	26.1			

ACCEPTED				FLOUROMETRIC	PARTICULATE		PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	25.96	31.814	20.670	0.12	0.06	-	-
4	25.85	32.004	20.845	0.15	0.04	-	-
8	24.67	33.884	22.619	0.12	0.06	-	-
12	22.93	33.723	23.008	0.16	0.05	-	-
17	18.64	33.511	23.995	0.27	0.14	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.27	0.43	0.14	0.05	0.08
4	0.16	0.38	0.10	0.02	0.13
8	0.15	0.75	0.06	0.02	0.08
12	0.07	0.75	0.05	0.01	0.08
17	0.22	1.34	0.08	0.01	0.10

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
48	1	25	1 SEP 80	19:52:00	36 28.8 N	75 20.9 W	31
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	19	7	19.2	25.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.47	33.686	22.230	0.19	0.06	-	-
10	25.29	33.788	22.361	0.11	0.03	-	-
15	24.81	33.790	22.506	0.11	0.05	-	-
20	21.89	33.627	23.226	0.16	0.05	-	-
25	16.78	33.476	24.416	0.31	0.18	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.23	0.49	0.17	0.05	0.06
10	0.11	0.59	0.10	0.02	0.06
15	0.07	0.80	0.07	0.01	0.01
20	0.10	0.70	0.08	0.01	0.00
25	0.25	1.53	0.09	0.01	0.19

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH	DATE	MESSENGER	LATITUDE	LONGITUDE	SONIC
		OF CAST		TIME			DEPTH
49	1	34	1 SEP 80	21:32:00	36 24.1 N	75 16.4 W	36
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		21	8	20.0	25.0		

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	25.58	33.734	22.231	0.09	0.04	-	-
10	25.41	33.722	22.274	0.09	0.01	-	-
15	23.91	33.671	22.687	0.09	0.04	-	-
20	16.45	33.546	24.548	0.15	0.06	-	-
25	14.94	33.569	24.902	0.22	0.08	-	-
30	14.97	33.583	24.908	0.26	0.12	-	-
34	15.03	33.614	24.917	0.60	0.28	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.23	0.62	0.17	0.04	0.01
10	0.10	0.48	0.09	0.02	0.01
15	0.04	0.45	0.10	0.00	0.02
20	0.23	1.08	0.08	0.00	0.02
25	0.26	2.52	0.08	0.01	0.39
30	0.30	2.47	0.09	0.01	0.43
34	0.27	2.96	0.11	0.01	0.52

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
50	1	33	1 SEP 80	22:42:00	36 19.7 N	75 11.6 W	35
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	22	8	19.9	25.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.63	33.698	22.188	0.08	0.04	-	-
10	25.21	33.808	22.400	0.09	0.04	-	-
14	22.87	33.861	23.130	0.15	0.05	-	-
19	15.72	33.774	24.889	0.32	0.21	-	-
24	15.53	33.766	24.924	0.52	0.29	-	-
29	15.53	33.764	24.924	0.50	0.22	-	-
32	15.54	33.764	24.922	0.50	0.26	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.25	0.76	0.15	0.04	0.00
10	0.11	0.35	0.09	0.01	0.01
14	0.08	0.80	0.08	0.01	0.02
19	0.17	1.58	0.06	0.01	0.02
24	0.14	1.63	0.07	0.00	0.05
29	0.17	1.39	0.06	0.00	0.04
32	0.15	1.27	0.06	0.01	0.05

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER				SONIC
		OF CAST	DATE	TIME	LATITUDE	LONGITUDE		DEPTH
51	1	12	2 SEP 80	06:30:00	36 58.7 N	76 1.5 W		14
		WIND	WIND	BAROMETRIC	AIR TEMP			
		DIRECTION	SPEED	PRESSURE	DRY BULB			
		22	5	18.4	25.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	24.71	26.074	16.737	2.22	0.39	260.6	29.4
3	24.71	26.100	16.754	2.22	0.39	134.8	20.0
9	22.53	30.261	20.505	2.42	0.80	414.5	72.8
12	21.26	31.957	22.135	1.61	0.99	447.8	75.0

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM		
0	0.61	7.67	0.70	0.23	3.80		
3	0.62	7.52	0.59	0.15	3.93		
9	0.74	6.96	0.25	0.07	4.54		
12	0.79	7.64	0.23	0.03	4.20		

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST	DATE	TIME				
52	1	8	2 SEP 80	08:02:00		36 59.8 N	76 11.4 W	15
	WIND	WIND	BAROMETRIC	AIR TEMP				
	DIRECTION	SPEED	PRESSURE	DRY BULB				
	18	1	19.0	26.0				

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	25.38	24.545	15.394	2.89	1.48	126.5	26.3
2	25.39	24.549	15.394	3.36	1.24	307.7	64.8
8	25.22	25.421	16.096	4.17	1.35	230.3	32.3

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.76	10.15	1.11	0.35	5.18
2	0.81	10.04	0.99	0.29	5.24
8	0.44	9.99	0.39	0.09	2.40

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
53	1	7	2 SEP 80	10:23:00	37 15.0 N	76 14.8 W	9
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	24	5	19.5	33.3			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.61	23.565	14.594	7.32	2.25	637.1	103.7
3	25.52	23.677	14.701	6.85	2.03	507.7	129.8
7	25.13	24.288	15.273	4.17	1.50	579.8	113.2

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.20	9.63	0.31	0.12	1.09
3	0.22	9.69	0.21	0.09	1.50
7	0.40	11.44	0.21	0.13	3.43

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
54	1	8	2 SEP 80	12:12:00	37 26.5 N	76 9.9 W	11
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	12	9	19.0	28.9			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.76	20.821	12.495	3.83	1.38	1125.5	178.1
3	25.59	21.098	12.752	4.70	1.42	695.2	113.2
8	24.31	23.329	14.792	2.76	1.76	1001.0	148.8

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.04	16.44	0.17	0.05	0.08
3	0.02	15.11	0.02	0.01	0.06
8	0.37	18.77	0.21	0.24	5.07

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST	DATE	TIME				
55	1	9	2 SEP 80	13:19:00		37 33.4 N	76 10.2 W	12
	WIND	WIND	BAROMETRIC	AIR TEMP				
	DIRECTION	SPEED	PRESSURE	DRY BULB				
	18	8	18.5	29.4				

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.49	19.855	11.558	3.43	1.09	886.3	140.3
3	26.43	19.896	11.608	4.03	1.33	944.8	-
9	23.65	23.619	15.196	1.68	1.15	157.0	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.02	19.65	0.16	0.05	0.00
3	0.01	19.42	0.04	0.01	0.02
9	0.32	24.99	0.36	0.28	8.90

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
56	1	14	2 SEP 80	14:51:00	37 44.6 N	76 10.4 W	18
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	19	9	16.5	27.8			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.56	18.174	10.284	3.43	1.17	-	-
3	26.51	18.197	10.314	3.43	1.71	-	-
9	23.85	23.230	14.848	0.94	0.59	-	-
14	22.80	25.106	16.546	0.54	0.46	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.03	23.07	0.17	0.04	0.01
3	0.02	22.86	0.04	0.01	0.05
9	0.08	26.39	1.05	3.70	4.27
14	0.47	22.17	0.38	0.63	10.80

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LONGITUDE	SONIC
		OF CAST	DATE	TIME	LATITUDE		
57	1	9	2 SEP 80	16:55:00	37 57.6 N	76 13.3 W	13
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		17	10	15.2	30.0		

ACCEPTED				FLOUROMETRIC		PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.81	16.147	8.698	5.24	0.89	-	-
3	26.81	16.137	8.689	4.70	1.27	-	-
9	26.63	16.365	8.915	2.96	0.87	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.08	31.54	0.16	0.05	0.02
3	0.07	31.34	0.03	0.01	0.01
9	0.00	30.81	0.01	0.47	0.03

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
58	1	33	3 SEP 80	05:45:00	36 15.2 N	75 5.1 W	37
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	25	9	19.0	25.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.68	33.362	21.921	0.09	0.06	-	-
8	25.72	33.425	21.956	0.16	0.07	-	-
13	25.73	33.779	22.220	0.14	0.06	-	-
18	21.27	33.896	23.602	0.17	0.13	-	-
23	17.88	33.909	24.487	0.22	0.08	-	-
28	14.79	33.853	25.154	0.39	0.15	-	-
33	13.74	33.920	25.426	1.55	0.52	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.24	0.66	0.22	0.07	0.01
8	0.17	0.65	0.13	0.03	0.01
13	0.11	0.57	0.10	0.02	0.02
18	0.12	0.72	0.08	0.02	0.01
23	0.19	0.79	0.04	0.02	0.02
28	0.27	0.91	0.08	0.03	0.08
33	0.35	1.46	0.20	0.09	0.16

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
59	1	35	3 SEP 80	07:49:00	36 10.6 N	74 59.6 W	37
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	28	5	20.2	25.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.56	33.985	22.425	0.23	0.01	-	-
10	25.42	34.030	22.502	0.15	0.00	-	-
15	23.58	34.466	23.383	0.13	0.03	-	-
20	15.12	33.881	25.103	0.34	0.12	-	-
25	14.33	33.908	25.294	0.53	0.24	-	-
30	13.75	33.890	25.401	0.60	0.31	-	-
35	11.98	33.942	25.791	1.41	0.66	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.19	0.57	0.16	0.08	0.01
10	0.11	0.55	0.10	0.03	0.01
15	0.11	0.72	0.07	0.01	0.02
20	0.29	1.08	0.04	0.01	0.02
25	0.23	1.03	0.04	0.01	0.01
30	0.23	0.87	0.02	0.02	0.01
35	0.37	3.56	1.13	0.16	0.68

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
60	1	75	3 SEP 80	09:09:00	36 6.4 N	74 54.1 W	78
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	10	3	20.2	24.4			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.90	33.953	22.296	0.19	0.05	-	-
10	25.90	33.975	22.314	0.15	0.04	-	-
15	25.87	34.953	23.061	0.09	0.04	-	-
20	25.09	35.661	23.832	0.12	0.06	-	-
25	24.51	35.721	24.053	0.13	0.06	-	-
30	22.82	35.875	24.670	0.17	0.08	-	-
35	-	35.951	-	0.39	0.15	-	-
50	11.20	33.890	25.896	7.06	1.37	-	-
75	11.30	34.870	26.638	0.44	0.27	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.25	0.65	0.28	0.08	0.05
10	0.16	0.57	0.16	0.03	0.06
15	0.11	0.69	0.12	0.02	0.01
20	0.09	0.90	0.11	0.01	0.02
25	0.08	0.97	0.07	0.01	0.03
30	0.08	1.04	0.04	0.01	0.02
35	0.03	1.41	0.02	0.02	0.03
50	0.30	3.67	0.19	0.07	0.19
75	0.88	10.67	9.29	0.29	1.17

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
61	1	130	3 SEP 80	11:47:00	36 1.2 N	74 48.5 W	135
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	23	5	20.5	27.8			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.99	34.109	22.386	0.17	0.02	-	-
10	25.90	35.208	23.241	0.10	0.01	-	-
20	24.66	35.739	24.023	0.17	0.06	-	-
30	18.79	34.907	25.022	0.87	0.08	-	-
40	13.39	34.665	26.074	1.08	0.38	-	-
50	14.73	35.203	26.205	0.64	0.40	-	-
75	12.33	34.912	26.476	0.27	0.19	-	-
100	12.55	35.512	26.896	0.10	0.13	-	-
125	11.90	35.504	27.017	0.27	0.04	-	-
130	-	34.620	-	0.07	0.09	-	-

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.23	0.56	0.18	0.05	0.03
10	0.10	0.73	0.08	0.02	0.05
20	0.08	0.89	0.05	0.01	0.00
30	0.05	1.54	0.01	0.01	0.02
40	0.20	4.18	2.12	0.18	0.25
50	0.16	3.97	4.52	0.21	0.10
75	0.51	5.79	7.77	0.10	0.02
100	0.74	6.63	12.73	0.05	0.03
125	1.00	7.83	17.66	0.02	0.04
130	1.01	8.07	18.07	0.03	0.06

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
62	1	500	3 SEP 80	13:10:00	35 56.6 N	74 42.6 W	914
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	26	5	20.5	28.9			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.09	34.620	22.742	0.08	0.02	-	-
10	26.08	35.010	23.036	0.13	0.02	-	-
25	24.01	35.536	24.064	0.24	0.07	-	-
50	16.13	35.712	26.282	0.57	0.54	-	-
75	14.40	35.771	26.715	0.10	0.05	-	-
100	13.64	35.755	26.863	0.03	0.01	-	-
150	12.24	35.563	26.997	-	-	-	-
200	10.83	35.392	27.130	-	-	-	-
299	8.01	35.117	27.385	-	-	-	-
399	6.30	35.042	27.568	-	-	-	-
499	-	35.012	-	-	-	-	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH	DATE	MESSENGER	LATITUDE	LONGITUDE	SONIC
		OF CAST		TIME			DEPTH
62	1	500	3 SEP 80	13:10:00	35 56.6 N	74 42.6 W	914
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		26	5	20.5	28.9		

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.23	0.75	0.23	0.07	0.01
10	0.06	0.75	0.12	0.03	0.01
25	0.01	0.88	0.08	0.02	0.00
50	0.15	3.51	6.29	0.14	0.02
75	0.30	4.72	12.65	0.03	0.01
100	0.63	6.74	17.05	0.02	0.01
150	0.88	6.30	16.11	0.02	0.02
200	1.25	10.62	22.83	0.02	0.00
299	1.50	14.22	26.96	0.02	0.09
399	1.38	13.70	24.47	0.01	0.02
499	1.27	12.84	22.82	0.02	0.05

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
63	1	500	3 SEP 80	17:17:00	35 52.8 N	74 37.1 W	1750
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	15	2	20.0	26.7			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOREMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.29	34.646	22.698	0.10	0.04	-	-
10	26.12	34.838	22.895	0.11	0.03	-	-
25	21.88	35.499	24.651	0.34	0.12	-	-
50	14.54	35.430	26.422	0.40	0.32	-	-
75	15.27	36.025	26.719	0.06	0.05	-	-
100	14.15	35.826	26.811	0.03	0.03	-	-
150	12.40	35.562	26.967	-	-	-	-
200	11.62	35.503	27.071	-	-	-	-
300	8.80	35.170	27.303	-	-	-	-
400	6.42	35.046	27.555	-	-	-	-
500	5.49	35.022	27.655	-	-	-	-

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH	DATE	MESSENGER	LATITUDE	LONGITUDE	SONIC
		OF CAST		TIME			DEPTH
63	1	500	3 SEP 80	17:17:00	35 52.8 N	74 37.1 W	1750
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		15	2	20.0	26.7		

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.31	0.53	0.15	0.05	0.10
10	0.15	0.50	0.04	0.01	0.04
25	0.08	0.79	0.00	0.01	0.05
50	0.34	3.65	6.26	0.11	0.04
75	0.64	5.35	14.45	0.04	0.04
100	0.78	5.89	15.65	0.03	0.01
150	0.71	5.87	15.26	0.03	0.02
200	0.83	7.76	18.61	0.01	0.01
300	1.49	14.18	27.39	0.01	0.02
400	1.33	13.64	24.19	0.02	0.02
500	1.24	12.64	22.05	0.02	0.01

.....

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST	DATE	TIME				
64	1	1000	3 SEP 80	21:14:00		35 47.4 N	74 31.1 W	1790
		WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
		26	6	21.7	24.4			

ACCEPTED		FLOUROMETRIC				PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.48	34.234	22.328	0.12	0.04	-	-
10	25.95	34.590	22.760	0.11	0.03	-	-
25	21.77	35.527	24.702	0.26	0.11	-	-
50	15.94	35.849	26.431	0.49	0.30	-	-
75	14.07	35.740	26.761	0.13	0.05	-	-
100	12.87	35.606	26.905	0.02	0.03	-	-
150	12.43	35.608	26.996	-	-	-	-
200	11.61	35.503	27.072	-	-	-	-
300	9.20	35.212	27.271	-	-	-	-
400	7.01	35.065	27.489	-	-	-	-
500	5.46	35.007	27.647	-	-	-	-
1000	4.21	34.981	27.771	-	-	-	-

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
64	1	1000	3 SEP 80	21:14:00	35 47.4 N	74 31.1 W	1790
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	26	6	21.7	24.4			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.11	0.99	0.24	0.08	0.07
10	0.09	0.94	0.05	0.03	0.05
25	0.08	1.19	0.02	0.03	0.03
50	0.68	5.29	10.56	0.16	0.03
75	0.79	5.19	12.13	0.04	0.03
100	0.92	6.12	14.50	0.04	0.04
150	1.01	7.08	15.59	0.03	0.01
200	1.19	8.90	18.64	0.03	0.02
300	1.75	15.00	26.73	0.03	0.02
400	1.66	15.18	25.41	0.02	0.03
500	1.56	13.98	22.31	0.02	0.05
1000	1.39	12.81	19.94	0.00	0.08

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
65	1	500	4 SEP 80	00:46:00	35 42.3 N	74 25.6 W	2200
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	05	3	21.5	24.4			

ACCEPTED				FLOUROMETRIC		PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.26	34.126	22.314	0.06	0.03	-	-
10	26.92	34.966	22.739	0.07	0.03	-	-
25	22.82	35.779	24.595	0.15	0.06	-	-
50	17.10	35.920	26.213	0.24	0.27	-	-
75	14.34	35.651	26.634	0.15	0.12	-	-
100	14.67	35.927	26.776	0.05	0.04	-	-
150	13.52	35.774	26.903	-	-	-	-
200	11.50	35.469	27.066	-	-	-	-
300	9.52	35.211	27.218	-	-	-	-
400	7.30	35.084	27.462	-	-	-	-
500	5.91	35.037	27.614	-	-	-	-

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
65	1	500	4 SEP 80	00:46:00	35 42.3 N	74 25.6 W	2200
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	05	3	21.5	24.4			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.17	1.27	-0.19	0.08	0.00
10	0.04	0.72	-0.40	0.03	0.00
25	0.02	1.32	-0.56	0.02	0.00
50	0.47	3.63	8.69	0.56	0.00
75	0.72	5.62	13.77	0.07	0.00
100	0.82	5.71	16.94	0.05	0.00
150	0.97	6.46	19.32	0.03	0.01
200	1.24	9.99	24.75	0.03	0.00
300	1.49	13.26	28.70	0.02	0.01
400	1.44	12.54	26.78	0.03	0.00
500	1.35	12.09	24.02	0.02	0.01

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
66	1	500	4 SEP 80	03:46:00	35 31.9 N	74 36.0 W	2200
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	10	5	21.1	25.0			

ACCEPTED		FLOUROMETRIC				PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.95	35.080	22.816	0.08	0.04	-	-
10	27.33	35.766	23.210	0.07	0.02	-	-
25	23.61	35.946	24.494	0.13	0.10	-	-
50	18.59	36.200	26.059	0.13	0.13	-	-
75	16.12	36.111	26.591	0.03	0.05	-	-
100	14.15	35.823	26.809	0.05	0.11	-	-
149	12.19	35.552	26.999	-	-	-	-
199	11.98	35.561	27.047	-	-	-	-
299	9.96	35.300	27.211	-	-	-	-
398	7.33	35.099	27.470	-	-	-	-
498	5.76	35.025	27.623	-	-	-	-

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
66	1	500	4 SEP 80	03:46:00	35 31.9 N	74 36.0 W	2200
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	10	5	21.1	25.0			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.16	0.95	0.27	0.07	0.04
10	0.10	1.04	0.07	0.02	0.01
25	0.05	1.37	0.03	0.00	0.00
50	0.48	3.98	8.06	0.69	0.10
75	0.70	5.16	14.04	0.09	0.01
100	1.10	7.95	19.08	0.11	0.00
149	1.18	9.19	20.52	0.05	0.07
199	1.03	8.27	19.39	0.02	0.04
299	1.49	13.18	26.97	0.02	0.03
398	1.53	14.88	27.05	0.00	0.08
498	1.26	13.83	24.09	0.00	0.04

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
67	1	500	4 SEP 80	06:47:00	35 32.8 N	74 43.5 W	1662
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	06	2	21.5	25.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	27.21	35.625	23.143	0.09	0.04	-	-
10	27.23	35.778	23.252	0.09	0.06	-	-
25	20.60	36.028	25.404	0.52	0.32	-	-
50	17.02	-	-	-	-	-	-
75	15.60	36.096	26.699	0.02	0.05	-	-
100	14.15	35.818	26.805	0.05	0.08	-	-
150	11.81	35.524	27.051	-	-	-	-
200	11.08	35.429	27.114	-	-	-	-
300	8.84	35.193	27.315	-	-	-	-
400	7.37	35.095	27.462	-	-	-	-
500	5.85	35.022	27.610	-	-	-	-

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
67	1	500	4 SEP 80	06:47:00	35 32.8 N	74 43.5 W	1662
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	06	2	21.5	25.0			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.15	1.18	0.20	0.05	0.07
10	0.09	1.06	0.04	0.00	0.04
25	0.18	3.07	2.80	0.39	0.00
50	-	-	-	-	-
75	0.75	5.54	15.36	0.01	0.00
100	0.93	7.30	17.04	0.07	0.02
150	1.12	10.30	22.00	0.02	0.04
200	1.29	10.31	21.76	0.01	0.03
300	1.53	14.49	27.06	0.04	0.03
400	1.49	14.95	26.76	0.01	0.06
500	1.49	13.86	23.94	0.07	0.02

.....
- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
68	1	400	4 SEP 80	11:36:00	35 33.5 N	74 48.1 W	421
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	03	3	23.5	-			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	27.38	35.360	22.888	0.15	0.01	-	-
10	27.47	35.618	23.051	0.18	0.00	-	-
25	21.46	35.961	25.116	0.58	0.33	-	-
50	17.51	36.089	26.243	1.92	0.46	-	-
75	13.55	35.466	26.659	0.12	0.15	-	-
100	12.51	35.463	26.868	0.09	0.11	-	-
150	12.17	35.539	26.993	-	-	-	-
200	10.96	35.423	27.131	-	-	-	-
300	8.44	35.166	27.356	-	-	-	-
400	6.87	35.068	27.511	-	-	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.22	1.37	0.35	0.06	0.01
10	0.18	1.23	0.19	0.01	0.03
25	0.16	2.73	1.17	0.11	0.04
50	0.56	5.56	10.92	0.28	0.00
75	0.77	6.86	13.81	0.07	0.01
100	0.89	8.17	16.65	0.16	0.01
150	0.99	8.85	19.32	0.05	0.00
200	1.16	10.47	22.23	0.04	0.03
300	1.47	14.75	27.19	0.07	0.01
400	1.43	14.73	26.25	0.03	0.07

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST	DATE	TIME				
69	1	35	4 SEP 80	12:50:00		35 33.8 N	74 53.7 W	50
69	2	45	4 SEP 80	13:42:00		35 33.8 N	74 53.7 W	50
	WIND	WIND	BAROMETRIC	AIR TEMP				
	DIRECTION	SPEED	PRESSURE	DRY BULB				
	03	4	-	-				
	03	4	-	-				

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	27.39	35.354	22.880	0.21	0.04	-	-
10	27.38	35.768	23.194	0.15	0.03	-	-
15	24.29	35.891	24.248	0.22	0.10	-	-
25	21.40	36.142	25.272	1.11	0.54	-	-
35	18.48	36.125	26.031	4.44	0.85	-	-
40	16.56	35.822	26.268	40.00	-	-	-
45	13.03	35.082	26.468	0.37	0.21	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.20	1.05	0.25	0.06	0.03
10	0.07	0.99	0.13	0.02	0.00
15	0.26	1.40	0.10	0.01	0.03
25	0.06	2.28	1.98	0.35	0.05
35	0.22	3.86	7.33	0.61	0.03
40	0.29	4.62	9.00	0.53	0.13
45	0.52	5.50	8.21	0.34	0.09

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
70	1	42	4 SEP 80	14:40:00	35 34.7 N	75 0.9 W	45
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	09	4	-	-			

ACCEPTED						PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.85	34.104	22.113	0.10	0.01	-	-
10	25.44	34.676	22.984	0.20	0.03	-	-
15	22.32	34.748	23.956	0.48	0.11	-	-
25	18.06	34.927	25.221	2.28	1.09	-	-
35	14.86	35.161	26.144	0.39	0.18	-	-
40	11.98	34.674	26.359	0.59	0.27	-	-
42	11.98	34.674	26.359	0.63	0.25	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.18	0.65	0.16	0.06	0.01
10	0.15	0.78	0.02	0.02	0.00
15	0.07	1.19	0.01	0.01	0.06
25	0.09	2.13	0.21	0.09	0.05
35	0.19	4.48	4.82	0.79	0.02
40	0.55	6.42	5.95	0.32	0.23
42	0.42	6.50	6.12	0.29	0.41

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
71	1	32	4 SEP 80	16:00:00	35 36.2 N	75 10.6 W	36
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	9	4	22.2	21.1			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.62	33.536	21.760	0.09	0.01	-	-
10	25.66	33.532	22.053	0.13	0.05	-	-
15	25.79	35.372	23.400	0.11	0.03	-	-
20	18.02	34.164	24.647	0.37	0.13	-	-
25	14.38	34.102	25.433	0.46	0.16	-	-
32	12.00	33.905	25.759	3.80	0.42	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.13	0.61	0.20	0.05	0.00
10	0.06	0.72	0.10	0.02	0.02
15	0.07	0.94	0.08	0.01	0.00
20	0.10	1.28	0.07	0.00	0.01
25	0.20	2.16	0.06	0.01	0.01
32	0.24	4.24	0.07	0.02	0.05

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
72	1	24	4 SEP 80	17:23:00	35 39.3 N	75 17.4 W	27
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	9	3	22.1	26.7			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.22	33.300	21.707	0.19	0.03	-	-
10	23.94	34.535	23.328	0.16	0.07	-	-
15	19.49	34.304	24.384	0.17	0.09	-	-
20	16.76	34.181	24.962	0.27	0.13	-	-
24	15.46	34.140	25.227	0.67	0.25	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.22	0.42	0.20	0.06	0.04
10	0.15	0.75	0.08	0.02	0.00
15	0.20	1.49	0.06	0.01	0.04
20	0.23	1.91	0.05	0.01	0.03
24	0.19	1.99	0.03	0.01	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
73	1	55	4 SEP 80	20:29:00	35 45.7 N	74 56.6 W	58
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	11	4	22.0	25.6			

ACCEPTED				FLOUROMETRIC	PARTICULATE		PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.90	33.833	21.893	0.19	0.03	-	-
10	25.93	34.181	22.459	0.11	0.04	-	-
15	25.89	34.717	22.875	0.09	0.04	-	-
20	26.74	35.685	23.338	0.09	0.03	-	-
25	22.62	35.379	24.349	0.26	0.10	-	-
35	18.27	35.409	25.537	0.93	0.41	-	-
45	15.59	35.198	26.012	5.58	0.70	-	-
55	15.79	35.735	26.378	0.51	0.30	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.47	0.05	0.33	0.11	0.03
10	0.23	0.45	0.22	0.04	0.01
15	0.13	0.46	0.22	0.03	0.18
20	0.13	0.89	0.21	0.03	0.02
25	0.08	0.57	0.19	0.02	0.02
35	0.08	1.68	0.19	0.03	0.05
45	0.12	2.89	0.95	0.08	0.04
55	0.30	3.91	8.47	0.12	0.06

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
74	1	65	5 SEP 80	02:25:00	36 23.9 N	74 50.5 W	71
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
		-	21.8	24.4			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.80	33.888	22.278	0.05	0.01	-	-
10	25.82	33.891	22.277	0.09	0.03	-	-
15	24.84	33.996	22.653	0.11	0.05	-	-
20	19.12	34.069	24.300	0.19	0.10	-	-
25	13.97	33.843	25.319	0.48	0.22	-	-
35	10.54	33.500	25.709	1.72	0.62	-	-
45	8.81	33.510	26.004	5.78	0.73	-	-
50	9.80	33.945	26.182	0.86	0.57	-	-
65	10.68	34.298	26.306	0.60	0.36	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.21	0.46	0.26	0.08	0.01
10	0.07	0.35	0.15	0.03	0.05
15	0.01	0.50	0.11	0.03	0.19
20	0.03	1.22	0.08	0.01	0.08
25	0.08	2.28	0.07	0.02	0.00
35	0.03	3.00	0.03	0.02	0.04
45	0.04	5.88	0.04	0.01	0.05
50	0.12	5.45	1.63	0.26	0.06
65	0.27	6.18	4.44	0.31	0.01

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
75	1	500	5 SEP 80	04:59:00	36 27.6 N	74 39.3 W	925
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	12	1	21.9	25.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.43	33.485	22.091	0.05	0.02	-	-
10	25.79	33.916	22.305	0.08	0.03	-	-
25	25.02	35.471	23.711	0.24	0.05	-	-
50	9.84	33.950	26.180	0.98	0.51	-	-
75	12.07	35.115	26.683	0.11	0.09	-	-
100	12.88	35.454	26.787	0.05	0.04	-	-
150	12.35	35.561	26.976	-	-	-	-
200	11.25	35.456	27.102	-	-	-	-
300	8.67	35.164	27.319	-	-	-	-
400	6.82	35.064	27.514	-	-	-	-
500	5.61	35.018	27.637	-	-	-	-

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
75	1	500	5 SEP 80	04:59:00	36 27.6 N	74 39.3 W	925
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	12	1	21.9	25.6			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.15	0.68	0.15	0.07	0.00
10	0.10	0.86	0.06	0.03	0.01
25	0.09	1.00	0.09	0.01	0.01
50	0.08	6.21	2.27	0.29	0.40
75	0.13	6.85	11.31	0.07	0.02
100	0.15	6.69	12.77	0.05	0.02
150	0.23	7.56	16.22	0.04	0.03
200	0.30	10.34	20.87	0.03	0.06
300	0.35	15.86	27.54	0.02	0.02
400	0.26	15.16	25.33	0.02	0.01
500	0.28	14.14	22.94	0.02	0.02

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
76	1	500	5 SEP 80	07:42:00	36 32.3 N	74 28.6 W	1920
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	19	2	22.2	26.1			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.21	34.741	22.795	0.36	0.08	-	-
10	26.40	35.106	23.008	0.07	0.03	-	-
25	24.63	35.523	23.868	0.08	0.04	-	-
50	14.91	35.534	26.420	0.47	0.37	-	-
75	13.42	35.562	26.759	0.12	0.05	-	-
100	12.81	35.568	26.888	0.03	0.03	-	-
150	12.40	35.598	26.994	-	-	-	-
200	11.57	35.501	27.078	-	-	-	-
300	8.73	35.173	27.317	-	-	-	-
400	6.78	35.062	27.519	-	-	-	-
500	5.63	35.029	27.643	-	-	-	-

.....
- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
76	1	500	5 SEP 80	07:42:00	36 32.3 N	74 28.6 W	1920
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	19	2	22.2	26.1			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.19	0.66	0.21	0.07	0.00
10	0.09	0.83	0.10	0.03	0.00
25	0.02	0.96	0.06	0.00	0.00
50	0.11	3.93	6.46	0.13	0.01
75	0.27	4.94	12.40	0.02	0.02
100	0.16	5.56	14.06	0.01	0.02
150	0.20	6.57	16.02	0.01	0.01
200	0.32	9.17	19.56	0.02	0.00
300	0.71	15.60	27.24	0.02	0.00
400	0.96	14.78	25.00	0.00	0.02
500	1.12	13.76	22.82	0.00	0.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
77	1	500	5 SEP 80	11:22:00	36 39.3 N	74 39.0 W	825
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	09	1	22.0	26.7			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.13	34.514	22.647	0.12	0.02	-	-
10	26.25	35.493	23.348	0.09	0.02	-	-
25	24.91	35.697	23.917	0.15	0.05	-	-
50	17.59	35.846	26.037	0.57	0.54	-	-
75	15.44	35.960	26.631	0.15	0.10	-	-
100	14.82	35.949	26.761	0.06	0.05	-	-
150	12.79	35.660	26.965	-	-	-	-
200	11.41	35.480	27.091	-	-	-	-
300	8.67	35.162	27.316	-	-	-	-
400	7.04	35.075	27.493	-	-	-	-
500	5.71	35.017	27.624	-	-	-	-

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
77	1	500	5 SEP 80	11:22:00	36 39.3 N	74 39.0 W	825
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	09	1	22.0	26.7			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.30	0.85	0.17	0.06	0.07
10	0.12	0.76	0.12	0.01	0.02
25	0.02	1.13	0.07	0.01	0.05
50	0.04	2.47	1.42	0.19	0.06
75	0.06	5.33	13.51	0.04	0.06
100	0.16	6.39	16.52	0.02	0.00
150	0.19	9.03	20.17	0.02	0.03
200	0.20	9.23	20.53	0.01	0.04
300	0.24	15.12	28.19	0.01	0.03
400	0.23	15.05	25.65	0.02	0.02
500	0.21	14.03	23.93	0.02	0.08

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
78	1	55	5 SEP 80	13:49:00	36 44.2 N	74 48.1 W	60
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	05	1	21.5	30.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.37	33.274	21.948	0.11	0.04	-	-
10	25.13	33.395	22.113	0.13	0.03	-	-
15	23.59	33.443	22.606	0.17	0.05	-	-
20	20.72	33.491	23.444	0.26	0.11	-	-
25	14.82	34.002	25.262	0.60	0.16	-	-
35	9.06	33.350	25.838	3.83	1.00	-	-
45	9.55	33.868	26.164	0.87	0.51	-	-
55	9.64	33.959	26.219	0.87	0.51	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.28	0.38	0.23	0.07	0.00
10	0.18	0.50	0.13	0.02	0.06
15	0.08	0.65	0.11	0.01	0.00
20	0.03	1.41	0.08	0.01	0.00
25	0.08	2.50	0.05	0.00	0.08
35	0.18	4.30	0.06	0.01	0.07
45	0.16	6.36	2.80	0.22	0.53
55	0.09	7.09	3.80	0.28	0.99

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
79	1	90	5 SEP 80	15:11:00	36 46.2 N	74 42.4 W	97
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	07	0	-	-			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.53	33.258	21.887	0.13	0.02	-	-
10	25.02	34.134	22.702	0.11	0.04	-	-
15	25.88	35.277	23.300	0.09	0.02	-	-
25	25.13	35.690	23.842	0.14	0.05	-	-
35	17.10	35.316	25.750	0.71	0.35	-	-
45	12.49	34.465	26.098	1.81	0.71	-	-
60	11.56	34.644	26.416	0.32	0.24	-	-
80	12.37	35.179	26.675	0.18	0.19	-	-
90	12.13	35.128	26.682	-	-	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.20	0.51	0.18	0.06	0.00
10	0.13	0.51	0.10	0.02	0.06
15	0.03	0.70	0.08	0.01	0.04
25	0.04	1.29	0.08	0.00	0.02
35	0.05	1.81	0.08	0.00	0.00
45	0.10	3.71	1.15	0.11	0.11
60	0.11	6.20	7.41	0.10	0.05
80	0.15	7.47	11.92	0.18	0.10
90	0.14	7.93	11.82	0.30	0.12

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH	DATE	MESSENGER	LATITUDE	LONGITUDE	SONIC
		OF CAST		TIME			DEPTH
80	1	500	5 SEP 80	16:26:00	36 48.6 N	74 36.9 W	1000
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		11	4	20.0	26.7		

ACCEPTED					FLOUROMETRIC		PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN	
0	26.27	34.874	22.876	0.08	0.04	-	-	
10	26.27	35.134	23.072	0.10	0.04	-	-	
25	24.87	35.965	24.129	0.15	0.01	-	-	
50	17.61	36.036	26.180	0.57	0.50	-	-	
75	15.93	36.041	26.582	0.14	0.11	-	-	
100	15.18	36.001	26.721	0.06	0.04	-	-	
150	12.76	35.602	26.924	-	-	-	-	
200	11.85	35.547	27.060	-	-	-	-	
300	8.81	35.191	27.319	-	-	-	-	
400	6.78	35.063	27.519	-	-	-	-	
500	5.76	35.025	27.624	-	-	-	-	

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
80	1	500	5 SEP 80	16:26:00	36 48.6 N	74 36.9 W	1000
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	11	4	20.0	26.7			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.34	1.08	0.18	0.06	0.00
10	0.11	0.45	0.11	0.03	0.05
25	0.25	0.87	0.09	0.02	0.02
50	0.26	3.70	5.65	0.20	0.03
75	0.43	4.73	13.11	0.05	0.04
100	0.52	5.80	15.88	0.04	0.16
150	0.62	6.60	16.36	0.03	0.05
200	0.73	8.17	19.09	0.02	0.06
300	0.82	14.84	27.08	0.03	0.07
400	1.01	14.72	26.27	0.03	0.03
500	0.80	14.05	23.83	0.03	0.05

.....

- DATA NOT TAKEN

		MAX DEPTH		MESSENGER				SONIC
STATION	CAST	OF CAST	DATE	TIME	LATITUDE	LONGITUDE	DEPTH	
81	1	500	5 SEP 80	18:40:00	36 52.4 N	74 26.9 W	1570	
		WIND	WIND	BAROMETRIC	AIR TEMP			
		DIRECTION	SPEED	PRESSURE	DRY BULB			
		9	4	20.0	26.7			

ACCEPTED				FLOUROMETRIC		PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.10	35.079	23.084	0.05	0.02	-	-
10	26.16	35.351	23.268	0.07	0.03	-	-
25	23.95	36.002	24.434	0.13	0.04	-	-
50	18.36	36.227	26.138	0.58	0.55	-	-
75	16.14	36.059	26.546	0.11	0.11	-	-
100	14.31	35.828	26.778	0.04	0.04	-	-
150	12.40	35.561	26.965	-	-	-	-
200	12.01	35.569	27.047	-	-	-	-
300	8.91	35.179	27.293	-	-	-	-
400	6.87	35.066	27.509	-	-	-	-
500	5.44	35.016	27.657	-	-	-	-

.....

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
81	1	500	5 SEP 80	18:40:00	36 52.4 N	74 26.9 W	1570
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	9	4	20.0	26.7			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.54	0.41	0.19	0.06	0.01
10	0.24	0.72	0.09	0.02	0.00
25	0.11	1.28	0.04	0.01	0.00
50	0.19	3.46	6.98	0.08	0.04
75	0.43	5.12	12.24	0.03	0.00
100	0.52	6.53	14.97	0.03	0.02
150	0.46	6.41	14.81	0.02	0.00
200	0.61	7.95	17.34	0.02	0.04
300	1.05	15.67	26.99	0.02	0.00
400	1.15	15.42	25.14	0.02	0.04
500	1.13	14.57	22.32	0.02	0.01

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
82	1	500	5 SEP 80	21:34:00	36 57.0 N	74 15.8 W	2075
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	12	3	19.9	25.0			

ACCEPTED		FLOUROMETRIC				PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.18	34.895	22.918	0.06	0.02	-	-
10	26.14	35.082	23.072	0.07	0.02	-	-
25	24.82	36.016	24.183	0.13	0.05	-	-
50	19.18	36.282	25.972	0.58	0.57	-	-
75	15.81	36.081	26.639	0.13	0.12	-	-
100	14.13	35.815	26.807	0.04	0.05	-	-
150	12.70	35.632	26.961	-	-	-	-
200	12.09	35.595	27.052	-	-	-	-
300	8.90	35.179	27.294	-	-	-	-
400	6.81	35.053	27.508	-	-	-	-
500	5.66	35.026	27.636	-	-	-	-

.....

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
82	1	500	5 SEP 80	21:34:00	36 57.0 N	74 15.8 W	2075
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	12	3	19.9	25.0			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.46	0.38	0.26	0.07	0.05
10	0.18	0.44	0.12	0.03	0.08
25	0.11	0.83	0.08	0.02	0.04
50	0.14	2.11	4.30	0.30	0.06
75	0.36	5.24	14.01	0.04	0.00
100	0.43	5.62	14.83	0.03	0.04
150	1.00	7.30	17.95	0.03	0.10
200	1.47	8.93	20.01	0.02	0.17
300	2.25	14.81	27.38	0.02	0.22
400	1.18	14.14	24.82	0.02	0.06
500	1.09	13.31	22.95	0.02	0.03

.....
- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
83	1	500	6 SEP 80	00:35:00	36 58.6 N	74 27.3 W	1800
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	16	3	19.0	25.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.19	34.857	22.887	0.06	0.02	-	-
10	26.06	35.152	23.149	0.06	0.02	-	-
25	24.05	36.030	24.426	0.13	0.06	-	-
50	19.17	36.273	25.967	0.75	0.69	-	-
75	15.89	36.057	26.602	0.15	0.14	-	-
100	14.80	35.935	26.753	0.04	0.04	-	-
150	12.84	35.646	26.943	-	-	-	-
200	12.22	35.609	27.037	-	-	-	-
300	9.09	35.194	27.275	-	-	-	-
400	6.76	35.059	27.519	-	-	-	-
500	5.44	35.030	27.668	-	-	-	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
83	1	500	6 SEP 80	00:35:00	36 58.6 N	74 27.3 W	1800
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	16	3	19.0	25.0			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.05	0.68	0.20	0.06	0.23
10	0.44	0.59	0.05	0.02	0.01
25	0.17	0.84	0.00	0.01	0.01
50	0.13	2.21	3.30	0.12	0.03
75	0.25	4.75	12.87	0.04	0.06
100	0.38	5.84	15.32	0.03	0.05
150	0.46	6.99	17.15	0.02	0.07
200	0.47	6.65	16.41	0.02	0.07
300	0.88	14.20	26.84	0.02	0.05
400	0.96	13.89	24.57	0.01	0.01
500	0.86	12.65	21.90	0.02	0.09

- DATA NOT TAKEN

STATION		MAX DEPTH	DATE		MESSENGER	LATITUDE	LONGITUDE	SONIC
		OF CAST			TIME			DEPTH
84		500	6 SEP 80		02:53:00	37 0.2 N	74 34.5 W	825
WIND		WIND	BAROMETRIC		AIR TEMP			
DIRECTION		SPEED	PRESSURE		DRY BULB			
24		3	19.1		25.0			

ACCEPTED					FLOUROMETRIC		PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN	
0	26.18	34.469	22.600	0.07	0.02	-	-	
10	26.10	34.631	22.745	0.06	0.02	-	-	
25	25.90	35.932	23.787	0.07	0.03	-	-	
50	12.02	34.471	26.193	0.95	0.74	-	-	
75	12.15	34.932	26.526	0.17	0.17	-	-	
100	12.57	35.336	26.758	0.08	0.10	-	-	
150	12.35	35.542	26.959	-	-	-	-	
200	11.86	35.551	27.062	-	-	-	-	
300	8.91	35.197	27.306	-	-	-	-	
400	7.04	35.075	27.492	-	-	-	-	
500	6.04	35.030	27.592	-	-	-	-	

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
84	1	500	6 SEP 80	02:53:00	37 0.2 N	74 34.5 W	825
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	24	3	19.1	25.0			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.57	0.47	0.15	0.06	0.17
10	0.21	0.43	0.04	0.02	0.18
25	0.04	0.72	0.01	0.01	0.14
50	0.14	4.50	2.39	0.17	0.19
75	0.23	6.31	8.77	0.06	0.03
100	0.37	7.05	12.26	0.05	0.02
150	0.38	6.90	15.82	0.04	0.14
200	0.54	7.70	18.22	0.02	0.15
300	0.83	14.34	25.60	0.02	0.05
400	0.88	14.13	25.03	0.03	0.16
500	0.85	13.52	23.23	0.03	0.06

.....

- DATA NOT TAKEN

		MAX DEPTH			MESSENGER			SONIC
STATION	CAST	OF CAST	DATE	TIME	LATITUDE	LONGITUDE	DEPTH	
85	1	80	6 SEP 80	04:58:00	37 1.4 N	74 40.3 W	85	
		WIND	WIND	BAROMETRIC	AIR TEMP			
		DIRECTION	SPEED	PRESSURE	DRY BULB			
		24	1	19.0	25.6			

ACCEPTED		FLOUROMETRIC				PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.06	33.916	22.219	0.08	0.01	-	-
10	25.74	34.107	22.461	0.07	0.01	-	-
15	26.25	35.596	23.425	0.04	0.02	-	-
20	24.21	35.240	23.781	0.08	0.04	-	-
25	21.58	35.115	24.444	0.12	0.05	-	-
35	14.72	34.599	25.744	0.62	0.23	-	-
45	10.42	34.111	26.205	0.95	0.58	-	-
60	12.61	35.107	26.573	0.11	0.11	-	-
80	12.92	35.332	26.684	0.15	0.12	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.17	0.46	0.33	0.06	0.08
10	0.07	0.37	0.15	0.02	0.07
15	0.00	0.60	0.11	0.01	0.01
20	0.00	0.63	0.08	0.02	0.04
25	0.00	0.93	0.06	0.01	0.02
35	0.07	3.10	0.04	0.01	0.02
45	0.30	6.13	3.69	0.21	0.09
60	0.43	7.03	10.63	0.08	0.00
80	0.66	6.98	12.32	0.09	0.03

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
86	1	58	6 SEP 80	06:48:00	37 2.9 N	74 49.0 W	62
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	34	3	19.2	25.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.35	33.322	21.990	0.06	0.04	-	-
10	25.54	34.781	23.031	0.05	0.03	-	-
15	25.21	35.088	23.366	0.07	0.05	-	-
20	21.23	34.581	24.133	0.08	0.07	-	-
25	13.67	34.194	25.653	0.77	0.22	-	-
30	10.70	33.989	26.062	1.88	0.72	-	-
35	9.94	33.952	26.165	1.36	0.28	-	-
45	10.26	34.138	26.255	0.54	0.53	-	-
58	10.68	34.268	26.283	0.67	0.44	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.43	0.37	0.31	0.07	0.01
10	0.00	0.31	0.13	0.03	0.01
15	0.04	0.39	0.07	0.01	0.01
20	0.08	1.05	0.03	0.00	0.04
25	0.15	2.21	0.00	0.01	0.04
30	0.32	3.71	0.18	0.01	0.04
35	0.49	5.22	2.14	0.35	0.13
45	0.63	6.49	4.66	0.31	0.08
58	0.58	6.40	5.00	0.35	0.06

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
87	1	55	6 SEP 80	09:59:00	37 21.6 N	74 41.6 W	60
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	04	4	18.3	25.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.36	33.342	22.002	0.14	0.04	-	-
8	24.92	34.191	22.777	0.13	0.03	-	-
13	24.35	34.952	23.522	0.15	0.02	-	-
18	20.15	34.753	24.554	0.26	0.09	-	-
23	13.18	33.944	25.559	1.08	0.44	-	-
28	10.97	33.812	25.877	1.22	0.46	-	-
33	9.78	33.723	26.013	2.12	0.76	-	-
43	9.59	33.797	26.102	1.59	0.41	-	-
55	9.31	33.938	26.258	0.77	0.55	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.21	0.35	0.28	0.05	0.00
8	0.10	0.43	0.15	0.01	0.08
13	0.02	0.68	0.12	0.01	0.06
18	0.06	1.33	0.10	0.04	0.01
23	0.19	2.60	0.07	0.01	0.03
28	0.25	2.62	0.05	0.00	0.04
33	0.36	3.29	0.04	0.04	0.07
43	0.41	4.73	1.24	0.21	0.45
55	0.53	7.74	5.57	0.23	0.17

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
88	1	80	6 SEP 80	12:25:00	37 22.7 N	74 34.8 W	88
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	10	4	18.9	26.7			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	25.58	33.355	21.945	0.13	0.03	-	-
10	25.33	33.368	22.033	0.12	0.04	-	-
15	25.26	34.760	23.101	0.11	0.04	-	-
25	15.45	34.739	25.689	0.77	0.34	-	-
35	8.47	33.716	26.216	1.14	0.39	-	-
45	8.43	33.739	26.241	0.45	0.25	-	-
50	8.66	33.807	26.259	0.34	0.25	-	-
75	10.09	34.278	26.393	0.18	0.19	-	-
80	10.93	34.553	26.460	0.14	0.09	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.18	0.55	0.23	0.05	0.02
10	0.12	0.43	0.13	0.02	0.05
15	0.01	0.61	0.10	0.01	0.00
25	0.03	2.91	0.09	0.00	0.08
35	0.17	7.67	5.09	0.20	0.04
45	0.33	8.78	8.52	0.06	0.04
50	0.49	9.03	9.12	0.06	0.02
75	0.56	8.61	10.11	0.08	0.03
80	0.59	7.88	10.44	0.04	0.13

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LONGITUDE	SONIC
		OF CAST	DATE	TIME	LATITUDE		
89	1	500	6 SEP 80	14:04:00	37 23.9 N	74 23.5 W	960
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		09	3	17.0	21.1		

ACCEPTED				FLOUROMETRIC		PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	26.09	33.872	22.177	0.13	0.03	-	-
10	25.86	35.212	23.258	0.10	0.02	-	-
25	24.33	36.059	24.366	0.21	0.06	-	-
50	16.69	35.564	26.038	0.58	0.45	-	-
75	12.39	35.058	26.576	0.15	0.16	-	-
100	12.77	35.360	26.737	0.07	0.06	-	-
150	12.39	35.508	26.925	-	-	-	-
200	11.77	35.501	27.041	-	-	-	-
300	9.54	35.256	27.248	-	-	-	-
400	7.68	35.112	27.429	-	-	-	-
500	5.57	35.013	27.638	-	-	-	-

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
89	1	500	6 SEP 80	14:04:00	37 23.9 N	74 23.5 W	960
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	09	3	17.0	21.1			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.18	0.62	0.15	0.06	0.05
10	0.06	0.85	0.08	0.03	0.05
25	0.01	1.47	0.06	0.02	0.03
50	0.05	2.85	1.32	0.14	0.15
75	0.26	5.21	8.51	0.05	0.01
100	0.46	6.68	11.45	0.05	0.02
150	0.58	7.29	14.38	0.03	0.07
200	0.77	8.93	17.41	0.02	0.09
300	1.24	14.32	24.94	0.02	0.01
400	1.19	15.60	25.15	0.04	0.00
500	1.04	14.51	22.19	0.03	0.01

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
90	1	500	6 SEP 80	17:22:00	37 25.5 N	74 14.1 W	1475
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	15	1	16.1	25.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.19	34.615	22.704	0.09	0.01	-	-
10	26.02	34.914	22.983	0.08	0.02	-	-
25	22.73	36.154	24.907	0.19	0.09	-	-
50	13.77	34.957	26.221	0.30	0.16	-	-
74	13.59	35.427	26.621	0.10	0.10	-	-
99	13.60	35.634	26.779	0.04	0.07	-	-
149	12.64	35.575	26.928	-	-	-	-
199	12.16	35.603	27.044	-	-	-	-
298	8.82	35.172	27.302	-	-	-	-
397	6.53	35.043	27.538	-	-	-	-
496	5.40	35.004	27.652	-	-	-	-

.....

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
90	1	500	6 SEP 80	17:22:00	37 25.5 N	74 14.1 W	1475
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	15	1	16.1	25.6			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.25	1.12	0.19	0.04	0.08
10	0.10	0.61	0.10	0.01	0.05
25	0.00	2.07	0.09	0.00	0.04
50	0.16	3.89	3.50	0.14	0.27
74	0.11	4.71	9.47	0.03	0.09
99	0.27	5.52	12.93	0.02	0.03
149	0.49	6.86	15.37	0.01	0.05
199	0.57	8.75	17.86	0.01	0.01
298	1.17	16.30	26.98	0.01	0.04
397	1.16	15.71	24.33	0.01	0.10
496	1.05	14.48	22.11	0.01	0.05

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
91	1	500	6 SEP 80	20:18:00	37 27.5 N	74 2.1 W	1400
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	36	2	15.8	23.9			

ACCEPTED		FLOUROMETRIC				PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	25.34	33.402	22.054	0.08	0.02	-	-
10	25.23	33.878	22.446	0.09	0.03	-	-
25	22.33	35.505	24.529	0.19	0.09	-	-
50	14.56	35.168	26.216	0.47	0.26	-	-
75	14.73	35.843	26.698	0.11	0.08	-	-
100	14.09	35.782	26.790	0.05	0.06	-	-
150	12.45	35.598	26.984	-	-	-	-
200	11.23	35.438	27.093	-	-	-	-
300	9.39	35.234	27.257	-	-	-	-
400	6.89	35.044	27.490	-	-	-	-
500	5.68	35.015	27.627	-	-	-	-

.....

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
91	1	500	6 SEP 80	20:18:00	37 27.5 N	74 2.1 W	1400
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	36	2	15.8	23.9			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.20	0.05	0.17	0.06	0.07
10	0.08	1.10	0.07	0.03	0.11
25	0.01	1.53	0.06	0.03	0.09
50	0.10	3.26	4.24	0.18	0.13
75	0.14	4.76	12.51	0.05	0.11
100	0.14	5.22	13.92	0.04	0.06
150	0.06	7.06	16.62	0.03	0.02
200	0.05	9.79	20.20	0.03	0.08
300	0.12	13.99	25.67	0.03	0.04
400	0.12	14.05	25.23	0.03	0.08
500	0.24	13.23	22.80	0.03	0.15

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
92	1	500	6 SEP 80	22:48:00	37 29.1 N	73 49.8 W	1875
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	26	1	15.5	23.9			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	26.05	34.397	22.586	0.07	0.02	-	-
10	25.87	34.671	22.847	0.06	0.02	-	-
25	23.87	35.941	24.410	0.11	0.03	-	-
50	12.27	34.217	25.949	2.15	0.91	-	-
75	12.47	35.204	26.674	0.11	0.08	-	-
100	12.66	35.443	26.823	0.03	0.04	-	-
150	12.25	35.500	26.947	-	-	-	-
200	11.38	35.464	27.084	-	-	-	-
300	8.70	35.171	27.319	-	-	-	-
400	6.60	35.044	27.529	-	-	-	-
500	5.53	35.012	27.642	-	-	-	-

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
92	1	500	6 SEP 80	22:48:00	37 29.1 N	73 49.8 W	1875
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	26	1	15.5	23.9			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.22	0.38	0.18	0.07	0.08
10	0.12	1.36	0.07	0.04	0.05
25	0.01	1.63	0.08	0.02	0.05
50	0.16	4.64	0.74	0.06	0.13
75	0.44	6.87	10.24	0.04	0.10
100	0.60	7.27	13.12	0.03	0.03
150	1.22	8.32	15.40	0.03	0.08
200	1.44	9.93	19.48	0.03	0.11
300	1.89	15.89	26.77	0.02	0.10
400	1.75	15.52	24.63	0.02	0.05
500	1.12	14.31	22.38	0.02	0.06

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		SONIC	
		OF CAST	DATE	TIME	LATITUDE	LONGITUDE	DEPTH
93	1	500	7 SEP 80	02:27:00	37 46.2 N	73 50.7 W	1700
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		27	6	13.6	23.9		

ACCEPTED		FLOUROMETRIC				PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	24.46	32.759	21.836	0.12	0.04	-	-
10	23.97	32.867	22.061	0.13	0.06	-	-
25	17.45	33.994	24.654	0.54	0.20	-	-
50	11.80	34.382	26.166	0.83	0.48	-	-
75	12.66	35.316	26.725	0.09	0.09	-	-
100	12.24	35.350	26.833	0.03	0.04	-	-
150	12.04	35.482	26.974	-	-	-	-
200	11.40	35.466	27.082	-	-	-	-
300	8.90	35.186	27.300	-	-	-	-
399	6.94	35.061	27.496	-	-	-	-
499	5.84	35.019	27.609	-	-	-	-

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
93	1	500	7 SEP 80	02:27:00	37 46.2 N	73 50.7 W	1700
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	27	6	13.6	23.9			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.18	0.38	0.18	0.07	0.10
10	0.07	0.29	0.06	0.03	0.09
25	0.03	1.21	0.02	0.03	0.10
50	0.00	3.86	3.72	0.19	0.10
75	0.07	5.10	10.20	0.07	0.09
100	0.11	7.04	13.79	0.04	0.06
150	0.05	7.96	16.62	0.03	0.03
200	0.15	9.29	20.15	0.03	0.12
300	0.11	15.10	26.98	0.03	0.11
399	0.15	15.16	25.78	0.03	0.05
499	0.12	14.42	23.88	0.03	0.09

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LONGITUDE	SONIC
		OF CAST	DATE	TIME	LATITUDE		DEPTH
94	1	500	7 SEP 80	05:05:00	37 51.4 N	73 57.2 W	750
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		26	4	13.0	23.3		

ACCEPTED		FLOUROMETRIC				PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	24.19	33.186	22.236	0.07	0.02	-	-
10	24.12	33.187	22.257	0.07	0.03	-	-
25	20.29	33.772	23.771	0.25	0.08	-	-
50	8.97	34.491	26.745	0.81	0.11	-	-
75	10.39	35.306	27.142	0.05	0.07	-	-
100	12.31	35.529	26.958	0.03	0.04	-	-
150	12.22	35.429	26.898	-	-	-	-
200	11.12	35.232	26.953	-	-	-	-
300	9.38	35.075	27.135	-	-	-	-
399	7.27	35.031	27.425	-	-	-	-
499	6.12	-	-	-	-	-	-

.....

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
94	1	500	7 SEP 80	05:05:00	37 51.4 N	73 57.2 W	750
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	26	4	13.0	23.3			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.27	0.26	0.21	0.03	0.08
10	0.20	0.26	0.08	0.02	0.02
25	0.12	0.73	0.05	0.02	0.10
50	0.67	6.80	7.02	0.15	0.02
75	0.75	7.85	10.91	0.03	0.00
100	0.78	6.33	13.09	0.05	0.00
150	0.88	6.43	15.57	0.03	0.00
200	1.20	10.32	20.88	0.06	0.01
300	1.53	14.35	26.16	0.04	0.01
399	1.55	15.88	26.13	0.01	0.01
499	1.46	14.49	23.96	0.07	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
95	1	135	7 SEP 80	07:25:00	37 54.8 N	74 1.3 W	160
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	25	4	13.4	25.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.32	33.135	22.159	0.09	0.04	-	-
10	24.09	33.184	22.265	0.09	0.04	-	-
20	20.61	33.758	23.675	0.13	0.09	-	-
30	10.67	33.755	25.886	2.28	0.78	-	-
40	8.82	33.657	26.116	0.87	0.28	-	-
50	9.17	33.903	26.253	0.24	0.19	-	-
75	10.33	34.433	26.473	0.10	0.10	-	-
100	12.22	35.138	26.673	0.03	0.00	-	-
135	12.12	35.481	26.958	-	-	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.31	0.18	0.20	0.06	0.05
10	0.12	0.21	0.05	0.01	0.01
20	0.07	0.73	0.02	0.03	0.01
30	0.23	4.32	0.86	0.09	0.01
40	0.37	7.26	5.81	0.11	0.01
50	0.61	7.18	8.74	0.06	0.00
75	0.67	8.68	10.69	0.01	0.00
100	0.45	5.97	10.76	0.02	0.00
135	0.61	7.43	15.85	0.02	0.01

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
96	1	90	7 SEP 80	10:01:00	38 0.4 N	74 6.4 W	95
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	27	3	13.9	22.2			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.82	32.879	21.817	0.10	0.03	-	-
10	24.75	33.017	21.943	0.11	0.03	-	-
20	20.71	33.831	23.705	0.18	0.06	-	-
30	13.50	33.899	25.459	0.46	0.40	-	-
40	10.88	34.070	26.093	1.34	0.42	-	-
50	9.99	34.211	26.358	0.31	0.17	-	-
75	11.26	34.847	26.628	0.07	0.07	-	-
90	11.66	35.063	26.721	0.05	0.08	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.14	0.33	0.34	0.05	0.03
10	0.10	0.27	0.13	0.01	0.03
20	0.10	0.41	0.06	0.00	0.01
30	0.07	2.01	0.04	0.00	0.01
40	0.28	4.89	3.00	0.15	0.00
50	0.58	6.72	9.07	0.04	0.05
75	0.59	7.97	11.29	0.02	0.15
90	0.59	9.23	12.57	0.09	0.04

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
97	1	55	7 SEP 80	11:53:00	38 5.5 N	74 12.2 W	59
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	02	7	13.6	18.3			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.86	33.340	22.152	0.15	0.06	-	-
10	24.16	34.031	22.884	0.20	0.06	-	-
15	22.37	34.156	23.494	0.25	0.14	-	-
20	19.51	34.029	24.169	0.58	0.32	-	-
30	9.83	33.646	25.944	-	-	-	-
35	7.85	33.505	26.144	0.67	0.38	-	-
48	7.46	33.483	26.183	0.51	0.24	-	-
55	7.46	33.523	26.214	0.24	0.18	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.06	0.44	0.20	0.05	0.01
10	0.05	0.47	0.09	0.00	0.03
15	0.02	0.91	0.06	0.00	0.03
20	0.01	1.11	0.03	0.00	0.03
30	0.24	5.30	0.65	0.07	0.02
35	0.31	8.97	4.69	0.24	0.01
48	0.49	10.09	7.76	0.06	0.00
55	0.48	10.63	9.17	0.03	0.00

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
98	1	40	7 SEP 80	13:34:00	38 10.4 N	74 17.8 W	45
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	36	10	14.0	18.3			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.70	32.811	21.802	0.26	0.07	-	-
10	24.35	32.801	21.899	0.26	0.07	-	-
15	17.34	33.107	24.003	0.99	0.34	-	-
20	13.32	33.483	25.176	5.98	0.53	-	-
25	9.52	33.189	25.639	9.58	1.00	-	-
35	7.60	33.186	25.930	4.23	0.52	-	-
40	7.52	33.201	25.953	2.25	0.62	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.38	0.13	0.26	0.04	0.03
10	0.23	0.24	0.16	0.01	0.00
15	0.13	1.91	0.13	0.00	0.00
20	0.10	2.57	0.13	0.00	0.01
25	0.09	5.26	0.08	0.00	0.05
35	0.35	7.70	0.13	0.02	0.04
40	0.37	8.18	0.15	0.04	0.06

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
99	1	35	7 SEP 80	15:42:00	38 15.6 N	74 23.5 W	42
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	36	5	14.3	29.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.58	32.582	21.665	0.30	0.10	-	-
10	24.31	32.665	21.807	0.62	0.00	-	-
15	18.85	33.094	23.624	0.05	0.02	-	-
20	8.71	32.956	25.586	4.03	0.56	-	-
25	8.19	33.008	25.704	2.35	0.10	-	-
35	7.91	33.039	25.770	1.55	0.37	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.20	0.31	0.20	0.05	0.02
10	0.23	0.46	0.12	0.01	0.00
15	0.14	1.36	0.09	0.00	0.01
20	0.33	8.12	0.06	0.00	0.02
25	0.33	8.40	0.07	0.01	0.02
35	0.38	8.49	0.06	0.01	0.06

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
100	1	35	7 SEP 80	16:59:00	38 20.7 N	74 29.1 W	40
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	34	7	14.5	28.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.12	32.314	21.599	0.23	0.08	-	-
10	24.00	32.296	21.620	0.28	0.09	-	-
15	23.39	32.254	21.767	0.22	0.10	-	-
20	15.62	32.911	24.250	0.84	0.42	-	-
25	10.35	32.884	25.263	6.32	0.58	-	-
35	8.90	32.932	25.537	2.35	0.79	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.19	0.50	0.16	0.05	0.03
10	0.17	0.25	0.11	0.02	0.00
15	0.07	0.44	0.10	0.01	0.01
20	0.11	2.51	0.09	0.02	0.04
25	0.22	6.57	0.07	0.01	0.00
35	0.24	8.20	0.10	0.01	0.04

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
101	1	30	7 SEP 80	18:32:00	38 25.8 N	74 34.9 W	33
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	34	7	14.2	24.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.09	32.370	21.650	0.26	0.08	-	-
10	24.11	32.368	21.645	0.22	0.06	-	-
15	23.77	32.381	21.753	0.20	0.07	-	-
20	18.66	32.636	23.324	0.37	0.17	-	-
25	12.03	32.838	24.927	6.38	1.66	-	-
30	10.78	32.813	25.135	2.49	0.81	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.11	0.32	0.21	0.04	0.01
10	0.16	0.25	0.14	0.01	0.00
15	0.10	0.27	0.13	0.00	0.01
20	0.15	1.03	0.12	0.00	0.01
25	0.14	5.54	0.08	0.01	0.07
30	0.36	6.84	0.10	0.03	0.10

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
102	1	20	7 SEP 80	19:47:00	38 31.0 N	74 40.0 W	23
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	06	4	13.0	22.8			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.03	32.374	21.672	0.16	0.05	-	-
10	23.01	32.913	22.372	0.15	0.07	-	-
15	22.80	33.340	22.755	0.23	0.12	-	-
20	13.18	32.816	24.688	4.15	1.21	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.42	0.29	0.04	0.19	0.03
10	0.17	0.68	0.00	0.16	0.01
15	0.12	0.83	0.00	0.14	0.00
20	0.34	5.01	0.00	0.14	0.07

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LONGITUDE	SONIC
		OF CAST	DATE	TIME	LATITUDE		
103	1	15	7 SEP 80	21:16:00	38 36.4 N	74 45.4 W	20
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		11	5	15.8	22.2		

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE-
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	23.39	32.234	21.752	0.34	0.05	-	-
8	18.81	32.331	23.053	6.38	1.66	-	-
13	16.37	32.581	23.828	3.70	0.90	-	-
15	16.21	32.590	23.870	5.71	2.71	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.38	0.35	0.23	0.05	0.05
8	0.38	1.07	0.12	0.03	0.07
13	0.44	3.10	0.20	0.04	0.44
15	0.44	3.53	0.19	0.03	0.29

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
104	1	14	7 SEP 80	22:32:00	38 41.0 N	74 50.8 W	21
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	12	4	16.2	22.2			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	22.27	31.970	21.867	0.94	0.36	-	-
4	21.68	31.995	22.050	2.02	0.67	-	-
9	19.50	32.286	22.845	4.03	0.95	-	-
14	18.31	32.379	23.214	10.42	3.37	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.46	0.63	0.20	0.05	0.02
4	0.28	0.69	0.17	0.01	0.99
9	0.32	1.43	0.16	0.01	0.05
14	0.49	2.24	0.20	0.04	0.16

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
105	1	60	8 SEP 80	03:50:00	38 20.0 N	73 58.8 W	65
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	15	4	16.6	22.2			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE CARBON	PARTICULATE NITROGEN
				CHLOROPHYLL	PHAEOPHYTIN		
0	24.05	32.660	21.880	0.15	0.05	-	-
10	23.02	33.009	22.442	0.20	0.09	-	-
15	21.51	33.243	23.040	0.22	0.14	-	-
20	21.23	33.580	23.374	0.30	0.11	-	-
25	13.02	33.410	25.178	0.74	0.41	-	-
30	9.55	33.563	25.926	1.24	0.52	-	-
35	7.08	33.387	26.161	0.46	0.16	-	-
40	6.99	33.383	26.169	0.34	0.12	-	-
50	6.97	33.380	26.169	0.44	0.18	-	-
60	6.97	33.381	26.170	0.42	0.19	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.24	0.25	0.22	0.09	0.03
10	0.24	0.32	0.09	0.03	0.06
15	0.14	0.47	0.11	0.02	0.02
20	0.11	0.48	0.08	0.02	0.00
25	0.13	1.68	0.07	0.02	0.11
30	0.21	5.83	0.05	0.03	0.11
35	0.51	12.20	5.89	0.11	0.11
40	0.49	12.54	6.14	0.17	0.11
50	0.52	12.64	6.10	0.18	0.11
60	0.57	12.53	6.06	0.17	0.11

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
106	1	60	8 SEP 80	06:39:00	38 34.0 N	73 40.1 W	64
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	02	5	17.2	22.2			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.13	32.429	21.683	0.13	0.02	-	-
10	24.13	32.468	21.713	0.11	0.05	-	-
15	24.05	32.473	21.739	0.13	0.09	-	-
20	20.72	33.173	23.201	0.21	0.16	-	-
25	12.70	33.470	25.287	1.55	0.52	-	-
30	9.61	33.509	25.874	2.82	0.85	-	-
35	7.26	33.352	26.108	0.70	0.28	-	-
40	7.25	33.380	26.131	0.44	0.18	-	-
50	7.17	33.390	26.150	0.19	0.13	-	-
60	7.33	33.432	26.160	0.20	0.14	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.18	0.26	0.22	0.06	0.02
10	0.13	0.25	0.08	0.02	0.04
15	0.10	0.21	0.05	0.01	0.02
20	0.05	0.34	0.03	0.01	0.03
25	0.01	1.57	0.01	0.01	0.10
30	0.07	3.59	0.02	0.00	0.05
35	0.31	12.67	3.91	0.23	0.00
40	0.52	12.36	5.37	0.11	0.00
50	0.58	12.93	6.78	0.08	0.01
60	0.62	13.16	7.12	0.26	0.05

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LONGITUDE	SONIC
		OF CAST	DATE	TIME	LATITUDE		DEPTH
107	1	58	8 SEP 80	10:04:00	38 54.1 N	73 24.1 W	62
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		06	5	18.4	22.8		

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	23.79	32.370	21.737	0.24	0.06	-	-
10	23.78	32.378	21.748	0.24	0.06	-	-
15	22.77	32.598	22.203	0.25	0.08	-	-
20	11.08	33.117	25.318	6.05	1.38	-	-
25	7.64	33.295	26.010	3.70	2.89	-	-
30	8.46	33.267	25.867	0.58	0.76	-	-
35	7.30	33.277	26.044	-	-	-	-
50	7.19	33.288	26.067	-	-	-	-
58	7.19	33.295	26.073	-	-	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	1.37	0.28	0.31	0.07	0.01
10	0.53	0.21	0.14	0.02	0.01
15	0.41	0.25	0.13	0.01	0.01
20	0.59	1.53	0.13	0.00	0.13
25	0.52	13.20	0.15	0.06	0.58
30	0.70	15.54	2.63	0.30	0.71
35	0.73	16.13	3.24	0.35	0.67
50	0.73	16.27	3.98	0.37	0.59
58	0.71	16.34	3.92	0.32	0.50

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
108	1	65	8 SEP 80	16:55:00	39 45.0 N	72 52.0 W	71
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	30	2	17.9	24.4			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	23.51	32.563	21.966	0.14	0.08	-	-
10	23.09	32.563	22.087	0.22	0.09	-	-
15	22.72	32.726	22.313	0.26	0.17	-	-
20	17.69	33.171	23.969	0.30	0.23	-	-
25	10.64	33.277	25.520	0.95	0.18	-	-
30	8.96	33.268	25.791	1.04	0.38	-	-
35	8.41	33.364	25.951	2.08	0.75	-	-
45	7.57	33.385	26.090	0.18	0.18	-	-
55	7.55	33.401	26.105	0.19	0.16	-	-
65	7.55	33.426	26.126	0.15	0.20	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.11	0.25	0.29	0.06	0.06
10	0.10	0.08	0.12	0.02	0.02
15	0.07	0.15	0.09	0.01	0.01
20	0.10	1.93	0.07	0.01	0.02
25	0.01	0.18	0.06	0.01	0.01
30	0.11	3.37	0.06	0.02	0.02
35	0.23	5.72	2.59	0.15	0.04
45	0.43	14.33	10.61	0.03	0.00
55	0.53	14.40	10.98	0.07	0.01
65	0.63	14.47	10.98	0.09	0.00

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH	DATE	MESSENGER	LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST		TIME			
109	1	64	8 SEP 80	21:49:00	40 9.7 N	72 14.7 W	68
		WIND	WIND	BAROMETRIC	AIR TEMP		
		DIRECTION	SPEED	PRESSURE	DRY BULB		
		04	6	18.3	20.6		

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	22.02	32.576	22.396	0.19	0.05	-	-
10	21.85	32.649	22.500	0.19	0.07	-	-
15	19.60	32.780	23.197	0.23	0.10	-	-
20	16.34	32.801	24.002	0.27	0.19	-	-
25	13.35	33.090	24.866	0.74	0.41	-	-
30	9.92	33.326	25.680	0.94	0.63	-	-
35	9.21	33.343	25.810	3.16	0.90	-	-
45	8.42	33.398	25.975	0.50	0.30	-	-
55	8.34	33.497	26.066	0.37	0.20	-	-
64	8.31	33.562	26.121	0.32	0.21	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.38	0.17	0.32	0.06	0.02
10	0.25	0.10	0.17	0.02	0.04
15	0.17	0.05	0.08	0.01	0.03
20	0.14	0.12	0.08	0.01	0.02
25	0.23	0.42	0.07	0.01	0.05
30	0.31	1.30	0.04	0.01	0.01
35	0.38	2.16	1.21	0.07	0.02
45	0.72	10.66	8.30	0.04	0.01
55	0.87	16.01	10.60	0.04	0.01
64	0.94	16.60	10.87	0.05	0.01

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
110	1	65	9 SEP 80	00:27:00	40 15.9 N	71 51.7 W	72
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	04	4	19.0	20.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	20.98	32.687	22.763	0.19	0.08	-	-
10	19.24	32.765	23.276	0.31	0.14	-	-
15	14.97	32.984	24.448	0.35	0.16	-	-
20	10.12	33.197	25.547	0.40	0.21	-	-
25	9.38	33.272	25.727	1.99	0.80	-	-
30	8.77	33.328	25.867	1.85	0.68	-	-
35	8.64	33.366	25.918	0.79	0.36	-	-
45	8.26	33.442	26.034	0.32	0.14	-	-
55	8.20	33.533	26.115	0.32	0.11	-	-
65	8.37	33.679	26.203	0.33	0.14	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.37	0.47	0.23	0.08	0.05
10	0.27	0.65	0.07	0.04	0.07
15	0.15	0.59	0.01	0.04	0.05
20	0.30	2.39	0.00	0.03	0.03
25	0.44	1.25	0.24	0.07	0.02
30	0.71	7.78	5.53	0.10	0.01
35	0.69	6.82	6.57	0.08	0.01
45	0.66	7.67	7.70	0.05	0.01
55	0.87	12.87	9.59	0.05	0.01
65	0.95	15.24	10.68	0.08	0.02

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
111	1	62	9 SEP 80	03:30:00	40 34.9 N	71 43.7 W	67
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	04	5	19.0	20.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLUOROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	20.69	32.917	23.015	0.21	0.05	-	-
10	19.66	32.921	23.288	0.20	0.06	-	-
15	15.08	33.192	24.583	0.42	0.17	-	-
20	12.01	33.302	25.291	0.64	0.20	-	-
25	10.73	33.348	25.558	0.87	0.35	-	-
30	9.24	33.262	25.742	1.03	0.31	-	-
35	8.95	33.254	25.781	0.32	0.15	-	-
45	8.70	33.327	25.878	0.25	0.10	-	-
55	8.39	33.448	26.020	0.16	0.08	-	-
62	8.38	33.445	26.018	0.15	0.13	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.52	0.64	0.22	0.03	0.23
10	0.32	0.43	0.10	0.01	0.10
15	0.31	0.67	0.10	0.01	0.08
20	0.44	1.57	0.05	0.00	0.01
25	0.48	1.84	0.06	0.01	0.03
30	1.00	9.19	7.14	0.04	0.01
35	1.15	13.18	9.90	0.01	0.02
45	1.21	15.93	10.85	0.01	0.01
55	1.20	16.50	11.54	0.05	0.02
62	1.21	16.75	11.54	0.08	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
112	1	61	9 SEP 80	06:21:00	40 37.3 N	71 16.0 W	66
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	4	4	19.4	18.9			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.39	33.025	22.907	0.20	0.04	-	-
10	21.43	33.024	22.897	0.19	0.05	-	-
15	19.21	33.120	23.553	0.22	0.04	-	-
20	16.97	33.186	24.150	0.28	0.09	-	-
25	14.60	33.334	24.795	0.76	0.18	-	-
30	11.55	33.395	25.448	0.47	0.22	-	-
35	10.14	33.432	25.725	1.45	0.36	-	-
42	9.33	33.409	25.841	0.91	0.24	-	-
50	9.00	33.435	25.914	0.15	0.08	-	-
61	8.55	33.497	26.033	0.21	0.11	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.42	0.75	0.24	0.05	0.01
10	0.12	0.50	0.14	0.02	0.00
15	0.11	1.07	0.12	0.01	0.02
20	0.14	1.01	0.11	0.01	0.02
25	0.16	1.44	0.08	0.01	0.01
30	0.23	1.72	0.09	0.01	0.00
35	0.52	2.33	3.84	0.11	0.01
42	0.88	9.95	9.03	0.03	0.01
50	1.02	14.58	11.12	0.08	0.02
61	1.05	15.55	11.66	0.07	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC
		OF CAST	DATE	TIME				DEPTH
113	1	60	9 SEP 80	08:26:00		40 37.7 N	71 2.7 W	65
	WIND	WIND	BAROMETRIC	AIR TEMP				
	DIRECTION	SPEED	PRESSURE	DRY BULB				
	10	3	19.9	23.3				

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	20.71	33.136	23.175	0.58	0.14	-	-
12	20.70	33.134	23.179	0.37	0.11	-	-
20	19.49	33.186	23.533	0.40	0.16	-	-
25	17.73	33.520	24.225	0.48	0.21	-	-
30	15.76	33.502	24.671	0.74	0.49	-	-
35	11.45	33.377	25.452	0.74	0.56	-	-
40	10.33	33.402	25.670	0.76	0.45	-	-
45	10.02	33.445	25.755	0.91	0.25	-	-
52	9.51	33.447	25.842	0.34	0.19	-	-
60	9.12	33.538	25.976	0.30	0.16	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.49	1.35	0.31	0.06	0.04
12	0.23	1.48	0.34	0.03	0.01
20	0.18	1.02	0.20	0.01	0.00
25	0.16	1.35	0.16	0.01	0.01
30	0.18	1.50	0.15	0.02	0.00
35	0.31	2.70	0.29	0.09	0.02
40	0.72	5.87	7.20	0.07	0.01
45	0.78	5.66	8.49	0.08	0.01
52	0.88	9.40	10.22	0.03	0.01
60	0.94	10.10	10.63	0.03	0.00

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
114	1	67	9 SEP 80	09:57:00	40 37.8 N	70 56.1 W	71
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	08	4	20.1	21.1			

ACCEPTED				FLOUROMETRIC		PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	20.58	33.071	23.161	0.33	0.05	-	-
12	19.63	33.070	23.408	0.50	0.12	-	-
20	15.13	32.956	24.391	0.81	0.42	-	-
25	13.90	32.942	24.640	1.75	0.55	-	-
30	12.98	33.292	25.096	0.81	0.50	-	-
35	10.64	33.241	25.491	0.54	0.27	-	-
40	10.39	33.291	25.574	0.45	0.26	-	-
45	10.02	33.359	25.690	0.30	0.17	-	-
52	9.54	33.417	25.814	0.22	0.17	-	-
67	8.97	33.595	26.044	0.39	0.16	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.40	1.26	0.33	0.05	0.04
12	0.23	1.37	0.24	0.03	0.09
20	0.28	2.48	0.21	0.00	0.03
25	0.34	3.22	0.27	0.05	0.09
30	0.42	2.88	0.55	0.18	0.09
35	0.88	10.04	8.31	0.27	0.37
40	0.90	10.28	9.16	0.23	0.02
45	0.94	9.81	9.83	0.06	0.01
52	0.95	11.60	10.44	0.04	0.00
67	1.00	15.99	12.01	0.15	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
115	1	63	9 SEP 80	11:05:00	40 37.8 N	70 49.8 W	67
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	07	4	20.1	20.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	20.01	32.973	23.237	0.37	0.09	-	-
12	18.88	32.957	23.513	-	-	-	-
20	15.56	33.268	24.536	1.34	0.34	-	-
25	13.90	33.247	24.874	2.49	0.42	-	-
30	12.53	33.234	25.138	0.93	0.30	-	-
35	11.42	33.322	25.415	0.66	0.21	-	-
40	10.66	33.345	25.568	0.51	0.19	-	-
45	9.96	33.409	25.738	0.41	0.15	-	-
52	9.64	33.545	25.898	0.36	0.15	-	-
63	9.38	33.623	26.001	0.37	0.18	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.44	0.79	0.26	0.04	0.00
12	0.20	0.79	0.20	0.01	0.04
20	0.24	1.48	0.17	0.02	0.04
25	0.31	1.93	0.18	0.02	0.09
30	0.46	3.35	0.94	0.20	0.05
35	0.39	1.83	0.48	0.65	0.01
40	0.61	2.48	4.04	0.67	0.00
45	0.83	7.62	9.53	0.09	0.00
52	0.95	8.37	10.84	0.07	0.01
63	0.98	12.20	11.97	0.10	0.00

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
116	1	60	9 SEP 80	12:32:00	40 35.3 N	70 39.4 W	67
		WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB		
		07	3	20.1	21.1		

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	20.66	33.020	23.101	0.28	0.05	-	-
10	19.98	33.111	23.350	0.40	0.09	-	-
20	15.71	33.030	24.320	0.89	0.36	-	-
25	15.18	33.340	24.673	1.24	0.44	-	-
30	13.04	33.386	25.155	0.99	0.48	-	-
35	11.51	33.349	25.420	0.71	0.26	-	-
40	10.94	33.354	25.527	0.55	0.28	-	-
45	10.47	33.412	25.654	0.42	0.20	-	-
55	9.99	33.524	25.823	0.38	0.19	-	-
60	9.83	33.600	25.909	0.32	0.18	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.33	1.48	0.22	0.05	0.00
10	0.11	0.93	0.12	0.02	0.00
20	0.11	1.63	0.08	0.01	0.02
25	0.11	2.10	0.00	0.02	0.01
30	0.34	4.22	2.68	0.27	0.09
35	0.52	4.02	5.24	0.49	0.02
40	0.59	4.67	5.35	0.49	0.12
45	0.64	5.95	7.19	0.33	0.14
55	0.79	11.21	9.94	0.19	0.34
60	0.85	12.21	10.55	0.18	0.34

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC
		OF CAST	DATE	TIME				DEPTH
117	1	60	9 SEP 80	14:00:00		40 31.4 N	70 30.3 W	67
	WIND	WIND	BAROMETRIC	AIR TEMP				
	DIRECTION	SPEED	PRESSURE	DRY BULB				
	14	3	19.0	22.2				

ACCEPTED		FLOUROMETRIC				PARTICULATE	PARTICULATE
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	21.40	33.707	23.424	0.23	0.05	-	-
10	21.94	34.066	23.546	0.24	0.06	-	-
20	18.60	34.281	24.593	0.78	0.19	-	-
25	15.95	33.888	24.923	0.93	0.25	-	-
30	12.12	33.417	25.358	2.28	0.24	-	-
35	10.73	33.362	25.570	0.87	0.43	-	-
40	10.53	33.420	25.650	1.00	0.39	-	-
45	10.11	33.452	25.746	0.72	0.18	-	-
55	9.65	33.801	26.095	0.30	0.14	-	-
60	9.65	33.814	26.107	0.27	0.17	-	-

ACCEPTED					
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.22	0.99	0.02	0.14	0.01
10	0.11	1.01	0.00	0.10	0.00
20	0.12	1.26	0.00	0.09	0.00
25	0.17	1.47	0.00	0.09	0.01
30	0.34	2.98	0.07	0.16	0.00
35	0.60	5.10	4.71	0.44	0.00
40	0.71	5.74	6.86	0.27	0.01
45	0.70	4.68	7.32	0.16	0.00
55	0.94	12.79	11.06	0.19	0.03
60	0.95	13.30	11.25	0.14	0.01

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
118	1	75	9 SEP 80	16:42:00	40 23.9 N	70 30.5 W	83
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	20	3	-	-			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.12	33.625	23.438	0.20	0.06	-	-
10	21.19	33.749	23.511	0.21	0.04	-	-
20	20.27	34.661	24.451	0.37	0.17	-	-
25	17.90	34.455	24.898	0.60	0.16	-	-
30	16.45	34.655	25.399	0.67	0.25	-	-
35	13.87	34.579	25.908	1.48	0.67	-	-
40	13.69	34.707	26.043	1.68	0.62	-	-
45	11.96	34.456	26.194	1.01	0.52	-	-
60	9.72	34.229	26.417	0.15	0.14	-	-
75	9.81	34.319	26.473	0.15	0.17	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.26	1.15	0.05	0.06	0.06
10	0.15	1.11	0.02	0.04	0.09
20	0.09	0.85	0.00	0.04	0.08
25	0.14	1.21	0.00	0.03	0.06
30	0.15	1.56	0.00	0.03	0.07
35	0.31	2.85	1.21	0.29	0.04
40	0.44	3.38	2.90	0.43	0.09
45	0.61	5.80	6.16	0.32	0.09
60	1.02	15.58	12.57	0.07	0.02
75	1.06	14.87	12.87	0.10	0.05

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST	DATE	TIME				
119	1	100	9 SEP 80	18:18:00		40 15.9 N	70 31.6 W	105
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB				
	23	4	17.9	21.1				

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE CARBON	PARTICULATE NITROGEN
				CHLOROPHYLL	PHAEOPHYTIN		
0	22.59	34.237	23.492	0.17	0.06	-	-
10	22.12	34.372	23.727	0.19	0.06	-	-
15	19.92	34.822	24.666	0.32	0.14	-	-
25	12.98	34.154	25.761	0.94	0.59	-	-
35	11.99	34.288	26.058	1.06	0.32	-	-
45	10.13	34.155	26.291	0.32	0.11	-	-
55	9.54	34.161	26.394	0.12	0.06	-	-
65	9.62	34.303	26.491	0.11	0.08	-	-
80	10.31	34.739	26.714	0.05	0.07	-	-
100	11.38	35.370	27.011	0.13	0.14	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.15	-	0.20	0.03	0.03
10	0.01	-	0.15	0.01	0.02
15	0.03	-	0.13	0.00	0.03
25	0.12	-	0.13	0.00	0.04
35	0.41	-	4.16	0.21	0.07
45	-	-	-	-	-
55	0.66	-	9.85	0.04	0.00
65	0.79	-	12.28	0.00	0.03
80	0.74	-	12.83	0.02	0.01
100	0.85	-	15.22	0.06	0.02

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
120	1	115	9 SEP 80	19:36:00	40 8.3 N	70 32.5 W	119
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	23	4	18.1	21.1			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.94	33.809	23.351	0.13	0.03	-	-
15	21.12	33.971	23.701	0.16	0.05	-	-
25	20.57	34.263	24.070	0.17	0.06	-	-
35	12.82	34.207	25.835	1.68	0.54	-	-
45	10.72	34.292	26.294	0.74	0.30	-	-
55	11.19	34.602	26.450	0.44	0.18	-	-
65	10.66	34.834	26.726	0.07	0.06	-	-
80	11.50	35.470	27.067	0.02	0.03	-	-
100	11.63	35.574	27.123	0.04	0.05	-	-
115	11.84	35.698	27.179	-	-	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	-	0.71	0.09	0.03	0.06
15	-	0.68	0.03	0.02	0.01
25	-	0.63	0.05	0.01	0.03
35	-	1.80	0.16	0.02	0.00
45	0.53	3.83	6.93	0.15	0.09
55	0.62	4.57	8.62	0.10	0.04
65	0.79	6.81	10.28	1.21	0.07
80	0.87	8.94	13.02	1.21	0.04
100	0.95	10.91	15.18	0.04	0.06
115	1.00	11.46	15.79	0.06	0.08

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
121	1	200	9 SEP 80	21:06:00	40 1.1 N	70 33.3 W	240
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	22	9	16.9	21.7			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	22.54	34.406	23.635	0.15	0.02	-	-
20	23.78	35.324	23.971	0.13	0.03	-	-
35	17.30	35.498	25.842	1.14	0.47	-	-
50	13.17	35.370	26.663	0.54	0.24	-	-
75	13.63	35.914	26.989	0.15	0.09	-	-
100	13.06	35.978	27.155	0.06	0.04	-	-
125	12.59	35.961	27.237	0.01	0.02	-	-
150	12.34	35.948	27.276	0.01	0.04	-	-
200	11.29	35.855	27.406	0.03	0.24	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.30	0.47	0.11	0.01	0.06
20	0.16	0.42	0.03	0.03	0.06
35	0.15	0.70	0.00	0.04	0.03
50	0.65	4.79	8.99	0.04	0.01
75	0.86	5.11	12.61	0.04	0.03
100	0.59	5.74	15.14	0.02	0.02
125	0.67	6.45	16.45	0.04	0.01
150	0.74	6.83	16.95	0.01	0.03
200	0.88	9.08	19.31	0.01	0.01

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
122	1	500	9 SEP 80	22:38:00	39 53.7 N	70 33.8 W	534
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	23	11	16.2	22.2			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	23.34	35.090	23.924	0.15	0.04	-	-
10	23.33	35.088	23.924	0.14	0.03	-	-
25	19.50	35.403	25.218	0.40	0.18	-	-
50	13.05	35.523	26.804	0.40	0.18	-	-
75	13.37	36.017	27.122	0.09	0.05	-	-
100	12.17	35.901	27.274	0.03	0.02	-	-
150	11.65	35.918	27.387	-	-	-	-
200	10.49	35.783	27.496	-	-	-	-
300	8.91	35.608	27.628	-	-	-	-
400	7.37	35.517	27.793	-	-	-	-
500	5.64	35.438	27.965	-	-	-	-

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
122	1	500	9 SEP 80	22:38:00	39 53.7 N	70 33.8 W	534
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	23	11	16.2	22.2			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.15	0.24	0.05	0.05	0.05
10	0.03	0.28	0.00	0.04	0.02
25	0.05	0.67	0.00	0.03	0.02
50	0.43	4.53	9.10	0.08	0.01
75	0.62	4.92	14.04	0.05	0.01
100	0.75	6.23	15.82	0.04	0.03
150	0.89	8.16	19.22	0.04	0.01
200	1.09	11.40	23.58	0.05	0.00
300	1.25	13.76	25.86	0.04	0.02
400	1.17	14.58	25.56	0.02	0.03
500	1.21	13.42	22.11	1.10	0.00

.....

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
123	1	500	10 SEP 80	00:08:00	39 46.8 N	70 35.1 W	1500
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	23	11	14.8	23.3			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	24.45	35.096	23.601	0.09	0.03	-	-
10	24.44	35.087	23.597	0.09	0.03	-	-
25	20.05	35.158	24.888	0.29	0.15	-	-
49	14.88	35.531	26.424	0.77	0.64	-	-
74	13.53	35.609	26.773	0.06	0.06	-	-
99	13.24	35.661	26.874	0.02	0.07	-	-
148	12.05	35.520	27.002	-	-	-	-
198	11.10	35.430	27.109	-	-	-	-
296	8.96	35.196	27.297	-	-	-	-
395	6.92	35.054	27.493	-	-	-	-
494	5.65	34.995	27.615	-	-	-	-

- DATA NOT TAKEN

		MAX DEPTH			MESSENGER			SONIC
STATION	CAST	OF CAST	DATE	TIME	LATITUDE	LONGITUDE	DEPTH	
123	1	500	10 SEP 80	00:08:00	39 46.8 N	70 35.1 W	1500	
		WIND	WIND	BAROMETRIC	AIR TEMP			
		DIRECTION	SPEED	PRESSURE	DRY BULB			
		23	11	14.8	23.3			

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.15	0.38	0.12	0.04	0.04
10	0.08	0.59	0.07	0.03	0.06
25	0.05	0.81	0.07	0.02	0.05
49	0.38	3.90	7.77	0.14	0.01
74	0.64	5.46	13.60	0.05	0.04
99	0.72	6.28	15.51	0.03	0.01
148	0.85	8.03	17.74	0.04	0.02
198	1.08	10.72	22.02	0.04	0.00
296	1.38	15.16	27.52	0.03	0.01
395	1.28	15.07	25.88	0.03	0.00
494	1.18	13.83	23.84	0.03	0.03

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
124	1	150	10 SEP 80	04:42:00	39 59.7 N	70 12.4 W	520
124	2	500	10 SEP 80	05:03:00	39 59.7 N	70 12.4 W	520

WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB
22	15	15.1	23.0
22	15	15.1	23.0

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	22.60	34.758	23.885	0.11	0.02	-	-
15	22.59	34.759	23.888	0.13	0.02	-	-
25	21.20	34.868	24.358	0.31	0.16	-	-
35	16.75	35.038	25.621	1.38	0.96	-	-
50	14.91	35.173	26.143	0.59	0.34	-	-
75	14.58	35.614	26.556	0.14	0.12	-	-
100	14.05	35.688	26.725	-	-	-	-
150	12.64	35.601	26.949	-	-	-	-
299	9.39	35.248	27.268	-	-	-	-
398	7.18	35.098	27.491	-	-	-	-
498	6.36	35.042	27.560	-	-	-	-

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC
		OF CAST	DATE	TIME				DEPTH
124	1	150	10 SEP 80	04:42:00		39 59.7 N	70 12.4 W	520
124	2	500	10 SEP 80	05:03:00		39 59.7 N	70 12.4 W	520

WIND	WIND	BAROMETRIC	AIR TEMP
DIRECTION	SPEED	PRESSURE	DRY BULB
22	15	15.1	23.0
22	15	15.1	23.0

ACCEPTED

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.24	0.41	0.16	0.05	0.06
15	0.08	0.53	0.04	0.03	0.06
25	0.03	0.47	0.05	0.03	0.06
35	0.08	1.21	0.22	0.08	0.05
50	0.19	2.32	3.20	0.31	0.06
75	0.47	3.82	10.30	0.07	0.02
100	0.38	4.41	13.09	0.05	0.05
150	0.78	6.19	16.54	0.05	0.02
299	1.24	12.26	24.69	0.10	0.01
398	1.31	13.93	25.45	0.09	0.03
498	1.30	13.43	24.53	0.06	0.02

.....

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
125	1	100	10 SEP 80	07:20:00	40 7.8 N	69 57.3 W	111
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	23	12	13.1	25.3			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.01	34.220	23.918	0.15	0.04	-	-
15	20.55	34.076	23.933	0.22	0.03	-	-
25	16.59	33.735	24.659	0.28	0.13	-	-
35	14.66	33.778	25.123	0.84	0.27	-	-
45	11.79	33.610	25.570	0.54	0.15	-	-
55	13.61	34.633	26.003	0.29	0.21	-	-
65	10.56	34.539	26.515	-	-	-	-
80	11.17	35.026	26.783	-	-	-	-
99	11.35	35.217	26.899	-	-	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.23	0.60	0.03	0.07	0.05
15	0.11	0.78	0.02	0.01	0.05
25	0.04	0.90	0.02	0.01	0.05
35	0.18	1.38	0.14	0.11	0.06
45	0.50	5.40	8.35	0.11	0.04
55	0.38	4.37	5.99	0.24	0.05
65	0.69	8.78	12.94	0.04	0.04
80	0.73	8.01	14.99	0.00	0.04
99	0.84	9.56	16.43	0.10	0.04

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH	DATE	MESSENGER	LATITUDE	LONGITUDE	SONIC
		OF CAST		TIME			DEPTH
126	1	70	10 SEP 80	10:11:00	40 16.5 N	69 43.4 W	77
	WIND	WIND	BAROMETRIC	AIR TEMP			
	DIRECTION	SPEED	PRESSURE	DRY BULB			
	24	11	12.1	22.8			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	21.91	34.605	23.954	0.19	0.04	-	-
10	21.88	34.590	23.960	0.23	0.07	-	-
20	19.88	34.555	24.474	0.38	0.16	-	-
25	16.50	34.695	25.416	2.02	0.51	-	-
30	12.28	34.046	25.816	0.82	0.24	-	-
35	11.81	34.056	25.912	0.45	0.18	-	-
40	11.59	34.049	25.948	0.36	0.18	-	-
45	11.50	34.092	25.997	0.44	0.21	-	-
55	11.23	34.134	26.079	0.39	0.21	-	-
70	11.18	34.654	26.492	0.28	0.16	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.23	1.86	0.12	0.03	0.07
10	0.10	2.20	0.05	0.01	0.06
20	0.07	3.05	0.03	0.01	0.06
25	0.08	3.37	0.09	0.03	0.07
30	0.61	10.26	9.71	0.44	0.18
35	0.68	11.88	11.47	0.45	0.26
40	0.76	12.60	12.00	0.43	0.19
45	0.73	13.06	12.26	0.42	0.09
55	0.72	14.44	12.53	0.22	0.01
70	0.69	15.86	14.24	0.13	0.00

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
127	1	55	10 SEP 80	12:17:00	40 25.0 N	69 28.4 W	66
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	36	10	12.6	18.9			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	22.87	35.162	24.114	0.15	0.02	-	-
10	22.86	35.185	24.133	0.15	0.01	-	-
20	22.91	35.213	24.141	0.16	0.05	-	-
25	22.91	35.214	24.143	0.19	0.05	-	-
30	22.56	35.262	24.278	0.24	0.11	-	-
35	18.31	35.038	25.243	2.35	0.56	-	-
40	14.81	34.883	25.941	2.76	0.54	-	-
45	12.67	34.746	26.280	0.89	0.29	-	-
55	12.38	34.719	26.317	0.75	0.34	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM	
0	0.20	1.56	0.13	0.04	0.10	
10	0.04	0.71	0.10	0.02	0.03	
20	0.04	0.65	0.08	0.01	0.04	
25	0.01	0.83	0.07	0.01	0.05	
30	0.01	1.40	0.07	0.01	0.06	
35	0.08	2.06	0.07	0.02	0.05	
40	0.37	4.94	5.95	0.44	0.08	
45	0.63	8.03	11.52	0.38	0.11	
55	0.71	7.96	12.35	0.36	0.12	

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
128	1	60	10 SEP 80	14:38:00	40 32.8 N	69 13.4 W	67
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	20	5	13.0	16.7			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	20.25	34.339	24.212	0.62	0.20	-	-
10	20.22	34.336	24.217	0.62	0.19	-	-
20	20.40	34.357	24.187	0.62	0.21	-	-
25	20.81	34.925	24.508	0.93	0.29	-	-
35	15.58	34.451	25.439	0.84	0.31	-	-
40	14.44	34.290	25.564	0.62	0.30	-	-
45	13.74	34.164	25.614	0.58	0.32	-	-
50	13.43	34.106	25.633	0.59	0.34	-	-
60	13.29	34.099	25.656	0.61	0.46	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.21	0.46	0.12	0.05	0.05
10	0.12	1.08	0.08	0.02	0.01
20	0.07	0.73	0.08	0.00	0.03
25	0.09	1.55	0.57	0.05	0.05
35	0.33	5.27	5.20	0.47	0.14
40	0.54	7.02	7.74	0.50	0.13
45	0.57	6.99	8.93	0.50	0.14
50	0.63	7.09	8.85	0.47	0.10
60	0.60	7.21	9.02	0.47	0.16

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
129	1	60	10 SEP 80	17:20:00	40 32.3 N	69 39.2 W	66
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	10	4	13.3	22.8			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	19.78	34.098	24.152	0.90	0.31	-	-
10	19.80	34.172	24.203	0.73	0.22	-	-
20	16.70	34.033	24.863	0.78	0.50	-	-
25	16.00	33.972	24.977	0.87	0.62	-	-
30	15.40	33.883	25.043	1.14	0.24	-	-
35	14.89	33.820	25.106	0.94	0.36	-	-
40	14.33	33.754	25.174	1.81	0.25	-	-
45	13.43	33.684	25.307	1.31	0.30	-	-
60	13.08	33.629	25.336	0.54	0.31	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.40	0.89	0.12	0.07	0.08
10	0.27	1.10	0.06	0.06	0.08
20	0.38	2.26	0.66	0.18	0.18
25	0.49	2.88	1.74	0.30	0.18
30	0.52	3.57	1.77	1.64	0.13
35	0.57	3.35	3.00	0.44	0.10
40	0.55	3.23	3.19	0.46	0.05
45	0.73	5.98	5.82	0.56	0.27
60	0.91	7.51	6.66	0.59	0.46

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST	DATE	TIME				
130	1	60	10 SEP 80	18:54:00		40 32.4 N	69 50.3 W	67
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB				
	10	2	13.4	22.2				

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE CARBON	PARTICULATE NITROGEN
				CHLOROPHYLL	PHAEOPHYTIN		
0	17.89	33.253	23.983	0.94	0.48	-	-
10	17.10	33.189	24.123	1.34	0.49	-	-
20	14.01	32.922	24.602	0.40	0.21	-	-
25	13.89	32.906	24.613	0.37	0.55	-	-
30	14.09	33.031	24.670	0.74	0.41	-	-
35	14.35	33.199	24.745	0.75	0.24	-	-
40	14.19	33.308	24.862	0.57	0.19	-	-
45	13.87	33.517	25.088	1.34	0.19	-	-
60	11.68	33.464	25.478	0.34	0.24	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.65	2.19	0.11	0.02	0.06
10	0.83	2.32	0.16	0.04	0.15
20	0.90	4.30	2.82	0.37	0.86
25	0.98	4.60	2.90	0.44	0.97
30	0.99	4.31	2.97	0.43	0.83
35	1.00	4.15	1.73	1.74	0.66
40	0.99	4.21	1.97	1.92	0.46
45	1.57	3.70	1.67	1.92	0.14
60	1.36	9.16	5.83	1.92	0.45

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
131	1	55	10 SEP 80	20:43:00	40 33.4 N	70 3.8 W	59
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	13	4	13.5	22.2			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	20.25	34.034	23.981	0.57	0.12	-	-
10	20.32	34.064	23.986	0.85	0.24	-	-
20	20.21	34.251	24.157	0.56	0.15	-	-
25	17.04	33.985	24.747	0.57	0.23	-	-
30	15.57	33.937	25.046	1.81	0.41	-	-
35	13.37	33.745	25.366	0.50	0.38	-	-
40	11.26	33.514	25.593	0.52	0.03	-	-
45	10.96	33.464	25.609	0.54	0.31	-	-
55	10.36	33.508	25.747	0.27	0.27	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.52	0.90	0.12	0.03	0.06
10	0.89	0.83	0.07	0.02	0.06
20	0.70	0.61	0.07	0.00	0.06
25	0.76	0.94	0.02	0.01	0.12
30	0.81	1.43	0.22	0.08	0.13
35	1.07	3.84	4.07	0.43	0.12
40	1.43	6.46	7.60	0.42	0.10
45	1.50	7.56	8.35	0.40	0.05
55	1.57	10.62	9.18	0.32	0.43

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
132	1	55	10 SEP 80	22:33:00	40 30.9 N	70 16.0 W	64
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	32	6	13.8	18.9			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	21.92	34.609	23.962	0.26	0.10	-	-
10	21.92	34.619	23.971	0.28	0.13	-	-
20	21.95	34.613	23.958	0.27	0.10	-	-
25	21.93	34.614	23.965	0.27	0.09	-	-
30	20.17	34.287	24.193	0.86	0.25	-	-
35	17.77	34.012	24.592	0.97	0.29	-	-
40	14.46	33.756	25.149	1.41	0.27	-	-
45	11.45	33.445	25.504	0.59	0.29	-	-
55	10.10	33.570	25.841	0.45	0.19	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.31	0.86	0.07	0.07	0.08
10	0.20	0.85	0.05	0.05	0.05
20	0.06	0.83	0.02	0.03	0.04
25	0.04	0.82	0.01	0.03	0.03
30	0.12	1.27	0.14	0.05	0.10
35	0.19	1.66	0.16	0.09	0.08
40	0.27	2.40	0.03	0.12	0.09
45	0.76	7.95	5.50	0.38	0.53
55	0.99	9.56	9.37	0.23	0.05

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
133	1	60	11 SEP 80	00:35:00	40 31.5 N	70 29.6 W	67
		WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB		
		03	5	14.6	18.9		

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE CARBON	PARTICULATE NITROGEN
				CHLOROPHYLL	PHAEOPHYTIN		
0	21.40	34.129	23.742	0.32	0.13	-	-
10	21.67	34.349	23.837	0.40	0.15	-	-
20	19.85	34.655	24.556	0.54	0.25	-	-
25	15.25	33.996	25.163	1.81	0.45	-	-
30	12.21	33.724	25.580	1.75	0.93	-	-
35	10.43	33.739	25.915	0.52	0.24	-	-
40	9.85	33.830	26.085	0.28	0.16	-	-
45	9.83	33.882	26.129	0.23	0.17	-	-
60	9.71	33.926	26.183	0.22	0.18	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.51	0.67	0.07	0.03	0.09
10	0.19	0.58	0.01	0.01	0.07
20	0.07	0.97	0.00	0.01	0.07
25	0.18	1.76	0.01	0.00	0.12
30	0.27	3.06	0.26	0.12	0.11
35	0.67	5.96	7.42	0.16	0.06
40	0.89	10.71	10.24	0.06	0.08
45	0.90	11.37	10.51	0.05	0.06
60	0.95	13.64	11.18	0.11	0.08

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
134	1	54	11 SEP 80	02:36:00	40 39.1 N	70 28.8 W	58
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	34	5	15.0	18.9			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	20.19	33.868	23.870	0.37	0.13	-	-
10	20.17	33.898	23.897	0.40	0.15	-	-
20	18.42	34.569	24.858	0.71	0.24	-	-
25	16.05	34.367	25.269	0.88	0.34	-	-
30	13.12	33.968	25.591	2.42	0.49	-	-
35	11.37	33.796	25.791	0.69	0.39	-	-
40	10.55	33.795	25.937	0.52	0.29	-	-
50	10.05	33.883	26.092	0.21	0.21	-	-
54	10.06	33.893	26.098	0.28	0.21	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.12	1.37	0.09	0.04	0.11
10	0.06	1.31	0.03	0.02	0.13
20	0.05	1.42	0.01	0.02	0.18
25	0.10	2.31	0.02	0.01	0.28
30	0.23	3.26	0.06	0.07	0.23
35	0.57	4.88	3.26	0.39	0.11
40	0.82	7.07	6.89	0.30	0.07
50	1.05	11.85	9.52	0.24	0.14
54	1.03	12.01	9.62	0.23	0.13

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
135	1	48	11 SEP 80	04:26:00	40 46.4 N	70 28.2 W	52
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	35	6	15.1	22.2			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	18.44	33.559	24.082	0.50	0.15	-	-
10	18.49	33.604	24.104	0.47	0.18	-	-
20	15.01	33.512	24.843	1.21	0.48	-	-
25	13.22	33.428	25.153	0.94	0.51	-	-
30	13.02	33.438	25.200	2.08	1.06	-	-
35	12.71	33.471	25.286	0.27	0.19	-	-
40	12.26	33.507	25.401	0.34	0.24	-	-
48	11.78	33.550	25.525	0.23	0.19	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.28	1.51	0.08	0.03	0.08
10	0.23	1.35	0.03	0.01	0.06
20	0.32	2.56	0.12	0.04	0.14
25	0.52	3.55	2.12	0.31	0.33
30	0.61	4.20	3.53	0.43	0.97
35	0.82	8.90	4.05	0.28	3.38
40	0.84	9.89	4.70	0.25	3.10
48	0.91	12.62	5.46	0.21	3.22

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH		MESSENGER		LATITUDE	LONGITUDE	SONIC DEPTH
		OF CAST	DATE	TIME				
136	1	45	11 SEP 80	05:57:00		40 54.1 N	70 27.6 W	49
		WIND	WIND	BAROMETRIC	AIR TEMP			
		DIRECTION	SPEED	PRESSURE	DRY BULB			
		31	6	14.9	22.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC		PARTICULATE	PARTICULATE
				CHLOROPHYLL	PHAEOPHYTIN	CARBON	NITROGEN
0	18.75	33.460	23.929	0.46	0.17	-	-
10	18.72	33.461	23.936	0.48	0.17	-	-
20	14.15	32.918	24.570	1.51	0.63	-	-
25	13.82	33.088	24.770	1.21	0.48	-	-
30	13.41	33.142	24.893	0.67	0.32	-	-
35	12.44	33.132	25.077	0.30	0.27	-	-
40	11.60	33.129	25.232	0.14	0.23	-	-
45	11.56	33.133	25.243	0.13	0.19	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.21	1.57	0.25	0.01	0.08
10	0.22	1.53	0.07	0.00	0.06
20	0.33	3.11	0.06	0.01	0.23
25	0.37	3.84	0.00	0.06	0.19
30	0.45	4.31	0.11	0.21	0.12
35	0.60	6.54	3.51	0.35	0.61
40	0.83	11.73	5.94	0.24	2.19
45	0.84	12.38	5.93	0.24	2.30

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
137	1	35	11 SEP 80	07:14:00	41 1.7 N	70 26.9 W	42
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	32	4	15.1	24.0			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	16.85	32.810	23.892	1.14	0.39	-	-
10	16.77	32.808	23.909	1.14	0.39	-	-
15	16.09	32.855	24.100	1.68	0.54	-	-
20	14.67	32.977	24.505	2.42	0.65	-	-
25	13.61	32.919	24.682	3.23	0.76	-	-
30	14.82	32.950	24.453	2.49	0.35	-	-
35	13.39	32.957	24.755	2.62	0.60	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.37	2.23	0.21	0.02	0.05
10	0.32	1.91	0.05	0.02	0.02
15	0.36	1.98	0.06	0.02	0.04
20	0.42	2.53	0.26	0.05	0.23
25	0.73	5.91	1.29	0.16	1.21
30	0.65	8.94	2.42	0.20	1.92
35	0.25	1.99	0.03	0.04	0.16

- DATA NOT TAKEN

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
138	1	35	11 SEP 80	08:25:00	41 8.7 N	70 27.3 W	38
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	03	6	15.5	20.6			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	17.52	32.579	23.558	0.78	0.49	-	-
10	17.48	32.670	23.638	0.87	0.43	-	-
15	17.26	32.640	23.666	1.11	0.73	-	-
20	16.86	32.791	23.875	1.46	0.54	-	-
25	15.45	32.860	24.247	2.02	0.90	-	-
30	15.24	32.879	24.308	3.76	1.14	-	-
35	14.78	32.915	24.434	2.96	1.33	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.35	1.19	0.08	0.04	0.05
10	0.32	1.14	0.04	0.02	0.02
15	0.32	1.39	0.04	0.02	0.08
20	0.35	2.00	0.08	0.02	0.27
25	0.21	5.66	0.75	0.09	1.43
30	0.56	6.55	1.08	0.11	1.70
35	0.56	7.53	1.39	0.13	1.83

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 KNORR HYDROGRAPHY DATA REPORT

STATION	CAST	MAX DEPTH OF CAST	DATE	MESSENGER TIME	LATITUDE	LONGITUDE	SONIC DEPTH
139	1	25	11 SEP 80	10:53:00	41 10.6 N	70 56.9 W	29
	WIND DIRECTION	WIND SPEED	BAROMETRIC PRESSURE	AIR TEMP DRY BULB			
	26	7	15.5	18.3			

ACCEPTED DEPTH	TEMPERATURE	SALINITY	SIGMA-T	FLOUROMETRIC CHLOROPHYLL	PHAEOPHYTIN	PARTICULATE CARBON	PARTICULATE NITROGEN
0	18.74	32.553	23.240	1.60	0.39	-	-
10	18.34	32.637	23.403	1.55	0.52	-	-
15	18.13	32.618	23.441	1.81	0.64	-	-
20	17.77	32.637	23.541	1.88	0.57	-	-
25	15.46	32.787	24.189	2.02	0.74	-	-

ACCEPTED DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
0	0.44	1.70	0.11	0.04	0.02
10	0.36	1.85	0.07	0.02	0.04
15	0.37	2.22	0.13	0.03	0.12
20	0.40	2.65	0.22	0.04	0.29
25	0.56	6.19	1.11	0.13	1.44

- DATA NOT TAKEN

XBT SOUNDINGS

Table 3. XBT Station List

XBT No.	Date	Time	Latitude N	Longitude W	Sonic Depth	Hydro* Station
001X	23 Aug 80	0105	41 10.9	70 57.0	-	1
001Y	23 Aug 80	0330	40 52.4	70 52.4	-	1
002X	23 Aug 80	0815	40 30.0	70 29.0	69	1
003X	23 Aug 80	2030	40 31.0	70 29.8	68	3
004X	24 Aug 80	0150	40 31.3	70 28.8	67	3
005X	24 Aug 80	0930	40 31.7	70 30.2	67	5
006X	24 Aug 80	1650	40 31.7	70 29.7	68	6
007X	24 Aug 80	1950	40 31.7	70 30.9	69	6
008X	25 Aug 80	0135	40 31.6	70 29.9	67	7
009X	25 Aug 80	0850	40 31.9	70 29.1	68	9
010X	25 Aug 80	0920	40 27.4	70 31.7	70	9
011X	25 Aug 80	0950	40 22.5	70 34.4	90	9
012X	25 Aug 80	1021	40 17.8	70 37.0	105	9
012Y	25 Aug 80	1034	40 16.0	70 38.0	114	9
013X	25 Aug 80	1052	40 13.2	70 40.1	107	9
014X	25 Aug 80	1125	40 10.8	70 42.8	124	9
015X	25 Aug 80	1200	40 8.6	70 44.8	128	9
016X	25 Aug 80	1230	40 3.4	70 47.8	165	9
017X	25 Aug 80	1945	39 45.8	70 59.5	1646	9
018X	25 Aug 80	2211	39 43.4	70 59.4	1939	9
019X	26 Aug 80	0145	39 53.8	71 42.4	183	9
020X	26 Aug 80	0215	39 59.3	71 45.0	92	9
021X	26 Aug 80	0245	40 3.9	71 47.0	89	9
022X	26 Aug 80	0315	40 8.5	71 48.9	72	9
023X	26 Aug 80	0345	40 12.8	71 50.6	78	9
024X	26 Aug 80	0417	40 17.5	71 52.7	72	9
025X	26 Aug 80	0445	40 22.6	71 54.8	67	9
026X	26 Aug 80	0500	40 25.0	71 55.7	69	9
027X	26 Aug 80	0637	40 16.0	71 54.0	70	9
028X	29 Aug 80	0001	40 13.8	72 22.1	60	23
029X	29 Aug 80	0030	40 12.6	72 26.0	59	23
030X	29 Aug 80	0100	40 10.3	72 35.3	60	23
031X	29 Aug 80	0130	40 9.6	72 42.5	57	23
032X	29 Aug 80	0200	40 8.0	72 49.3	54	23
033X	29 Aug 80	0241	40 7.6	72 58.8	46	23
034X	29 Aug 80	0300	40 7.4	73 3.6	45	23
035X	29 Aug 80	0330	40 7.1	73 10.6	46	23
036X	29 Aug 80	0401	40 7.0	73 17.8	40	23
037X	29 Aug 80	0430	40 7.1	73 25.0	42	23
038X	29 Aug 80	0500	40 7.3	73 32.3	40	23
039X	29 Aug 80	0545	40 7.2	73 35.9	71	23
040X	1 Sep 80	0445	37 44.9	74 36.0	53	41
041X	1 Sep 80	0530	37 40.7	74 42.9	48	41
042X	1 Sep 80	0600	37 37.2	74 48.4	47	41
043X	1 Sep 80	0630	37 34.1	74 53.2	34	41

Table 3. cont.

XBT No.	Date	Time	Latitude N	Longitude W	Sonic Depth	Hydro* Station
044X	1 Sep 80	0700	37 34.1	74 53.2	34	41
045X	1 Sep 80	0730	37 27.4	75 3.8	30	41
046X	1 Sep 80	0802	37 24.3	75 9.3	30	41
047X	1 Sep 80	0830	37 21.0	75 14.9	26	41
048X	1 Sep 80	0902	37 17.8	75 19.8	27	41
049X	1 Sep 80	0931	37 14.3	75 25.2	26	41
050X	3 Sep 80	0330	36 29.9	75 21.4	30	57
051X	3 Sep 80	0400	36 25.8	75 16.9	29	57
052X	3 Sep 80	0430	36 21.6	75 12.5	30	57
053X	3 Sep 80	0500	36 17.1	75 7.9	33	57
054X	3 Sep 80	0600	36 15.1	75 5.5	37	58
055X	3 Sep 80	0700	36 12.7	75 2.5	43	58
056X	3 Sep 80	0730	36 10.6	74 59.5	37	58
057X	3 Sep 80	0822	36 7.4	74 56.7	49	59
058X	3 Sep 80	0908	36 6.7	74 54.3	78	60
059X	3 Sep 80	1035	36 4.0	74 51.0	100	60
060X	3 Sep 80	1143	36 1.2	74 48.5	135	60
061X	3 Sep 80	1230	35 58.3	74 44.9	-	61
062X	3 Sep 80	1307	35 56.4	74 42.8	900	62
063X	4 Sep 80	1025	35 33.5	74 50.0	100	67
064X	4 Sep 80	1222	35 33.6	74 50.6	64	68
065X	4 Sep 80	1250	35 33.8	74 53.7	48	69
066X	4 Sep 80	1405	35 33.7	74 57.2	48	69
067X	4 Sep 80	1440	35 34.8	75 1.0	46	70
068X	4 Sep 80	1524	35 35.5	75 5.8	40	70
069X	4 Sep 80	1600	35 36.0	75 7.0	36	71
070X	4 Sep 80	1612	35 36.5	75 10.7	36	71
071X	4 Sep 80	1645	35 37.8	75 13.8	35	71
072X	4 Sep 80	1830	35 40.2	75 15.3	27	72
073X	4 Sep 80	1858	35 42.3	75 10.1	37	72
074X	4 Sep 80	1933	35 43.8	75 4.0	45	72
075X	4 Sep 80	2000	35 45.3	74 57.9	56	72
076X	4 Sep 80	2202	35 46.1	74 53.2	84	73
077X	4 Sep 80	2230	35 49.6	74 56.3	64	73
078X	4 Sep 80	2247	35 51.6	74 58.8	53	73
079X	4 Sep 80	2300	35 53.6	74 59.0	53	73
080X	4 Sep 80	2330	35 58.4	74 58.7	52	73
081X	5 Sep 80	0001	36 3.4	74 57.9	48	73
082X	5 Sep 80	0030	36 8.6	74 56.8	40	73
083X	5 Sep 80	0100	36 14.0	74 55.9	46	73
084X	5 Sep 80	0130	36 19.2	74 53.9	54	73
085X	5 Sep 80	0229	36 23.9	74 50.5	70	74
086X	5 Sep 80	0345	36 27.0	74 45.5	250	74
087X	5 Sep 80	1225	36 39.2	74 39.1	700	77
088X	5 Sep 80	1300	36 41.0	74 43.3	95	77

Table 3. cont.

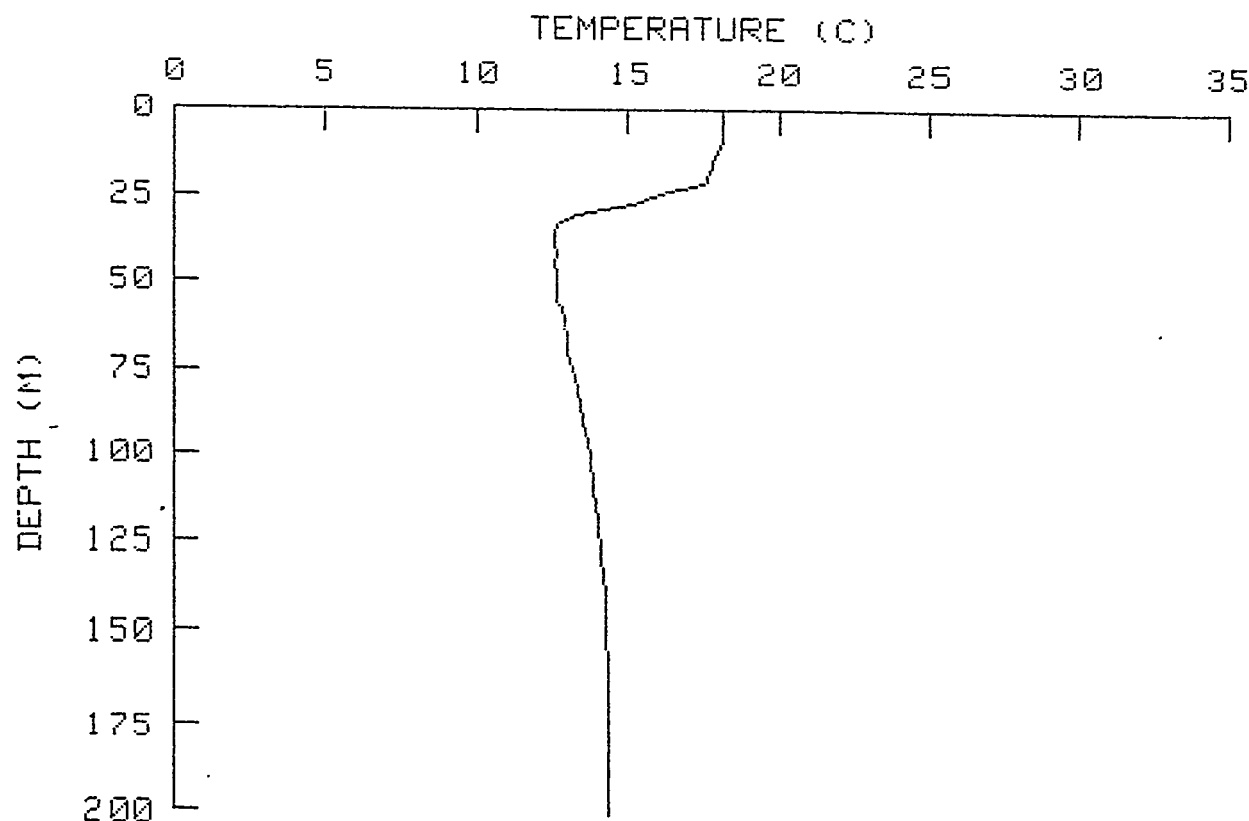
XBT No.	Date	Time	Latitude N	Longitude W	Sonic Depth	Hydro* Station
089X	5 Sep 80	1345	36 44.2	74 44.8	68	78
090X	5 Sep 80	1435	36 45.5	74 44.8	79	78
091X	5 Sep 80	1508	36 46.2	74 42.4	98	78
092X	5 Sep 80	1545	36 47.5	74 39.8	159	79
093X	5 Sep 80	1622	36 45.6	74 36.9	875	79
094X	6 Sep 80	0035	36 58.6	74 27.3	1800	83
095X	6 Sep 80	0210	36 59.1	74 31.3	1700	83
096X	6 Sep 80	0251	37 0.2	74 34.5	825	83
097X	6 Sep 80	0430	37 1.0	74 39.6	-	84
098X	6 Sep 80	0510	37 1.4	74 40.3	85	85
099X	6 Sep 80	0540	37 1.9	74 44.0	88	85
100X	6 Sep 80	0600	37 2.3	74 46.7	32	85
101X	6 Sep 80	0648	37 2.9	74 49.0	62	86
102X	6 Sep 80	0800	37 5.5	74 48.5	62	86
103X	6 Sep 80	0835	37 10.7	74 47.1	60	86
104X	6 Sep 80	0900	37 15.8	74 45.1	62	86
105X	6 Sep 80	0930	37 20.5	74 42.4	61	86
106X	6 Sep 80	1025	37 21.5	74 41.1	61	87
107X	6 Sep 80	1100	37 22.0	74 36.6	81	87
108X	6 Sep 80	1222	37 22.8	74 34.9	90	87
109X	6 Sep 80	1310	37 23.5	74 28.8	240	88
110X	6 Sep 80	1404	37 24.0	74 23.5	960	89
111X	7 Sep 80	0620	37 51.2	73 57.4	750	94
112X	7 Sep 80	0645	37 52.4	73 59.0	400	94
113X	7 Sep 80	0725	37 54.8	74 1.3	160	95
114X	7 Sep 80	0922	37 58.2	74 5.9	104	95
115X	7 Sep 80	0957	38 0.4	74 6.4	95	95
116X	7 Sep 80	1053	38 2.2	74 8.6	81	96
117X	7 Sep 80	1133	38 5.5	74 12.2	59	96
118X	7 Sep 80	1250	38 6.9	74 15.4	52	97
119X	7 Sep 80	1335	38 10.4	74 17.7	45	98
120X	7 Sep 80	1503	38 12.7	74 21.0	42	98
121X	7 Sep 80	1540	38 15.6	74 23.5	41	98
122X	7 Sep 80	1625	38 18.0	74 26.6	38	99
123X	7 Sep 80	2044	38 34.4	74 43.2	23	102
124X	7 Sep 80	2123	38 36.8	74 45.2	19	103
125X	8 Sep 80	0324	38 20.0	73 58.8	66	104
126X	8 Sep 80	0450	38 24.5	73 52.7	66	105
127X	8 Sep 80	0530	38 27.9	73 46.2	66	105
128X	8 Sep 80	0613	38 33.5	73 41.1	64	105
129X	8 Sep 80	0745	38 41.0	73 35.3	62	106
130X	8 Sep 80	0830	38 47.5	73 30.2	70	106
131X	8 Sep 80	0915	38 54.1	73 24.9	62	106
132X	8 Sep 80	1200	39 1.5	73 20.2	66	107
133X	8 Sep 80	1300	39 10.7	73 14.4	61	107

Table 3. cont.

XBT No.	Date	Time	Latitude N	Longitude W	Sonic Depth	Hydro* Station
134X	8 Sep 80	1401	39 20.1	73 8.8	64	107
135X	8 Sep 80	1501	39 29.8	73 2.1	69	107
136X	8 Sep 80	1550	39 37.8	72 56.7	64	107
137X	8 Sep 80	1633	39 44.7	72 52.0	64	107
138X	8 Sep 80	1828	39 49.7	72 46.3	59	108
139X	8 Sep 80	2000	39 59.7	72 30.7	66	108
140X	8 Sep 80	2100	40 6.4	72 20.0	72	108
141X	8 Sep 80	2213	40 9.2	72 14.6	69	109
142X	8 Sep 80	2304	40 12.2	72 7.7	66	109
143X	9 Sep 80	0001	40 16.1	71 51.5	72	109
144X	9 Sep 80	0200	40 24.8	71 48.1	61	110
145X	9 Sep 80	0310	40 34.9	71 43.5	67	110
146X	9 Sep 80	0500	40 36.8	71 29.9	65	111
147X	9 Sep 80	0600	40 37.3	71 16.8	62	111
148X	9 Sep 80	0730	40 38.3	71 10.2	62	112
149X	9 Sep 80	0917	40 37.8	71 0.3	70	113
150X	9 Sep 80	1030	40 37.8	70 49.8	72	114
151X	9 Sep 80	1040	40 37.8	70 49.8	67	114
152X	9 Sep 80	1320	40 33.2	70 34.7	67	116
153X	9 Sep 80	1604	40 27.6	70 30.5	75	117
154X	9 Sep 80	1735	40 19.9	70 30.9	93	118
155X	9 Sep 80	1856	40 11.0	70 32.1	120	119
156X	10 Sep 80	1340	40 28.8	69 20.8	67	127
157X	10 Sep 80	1600	40 32.1	69 24.3	58	128
158X	10 Sep 80	1822	40 32.3	69 47.7	68	129
159X	10 Sep 80	2008	40 33.4	70 1.1	62	130
160X	10 Sep 80	2144	40 32.7	70 9.0	61	131
161X	10 Sep 80	2330	40 31.6	70 20.8	64	132
162X	11 Sep 80	0150	40 34.7	70 29.3	64	133
163X	11 Sep 80	0350	40 42.7	70 27.9	54	134

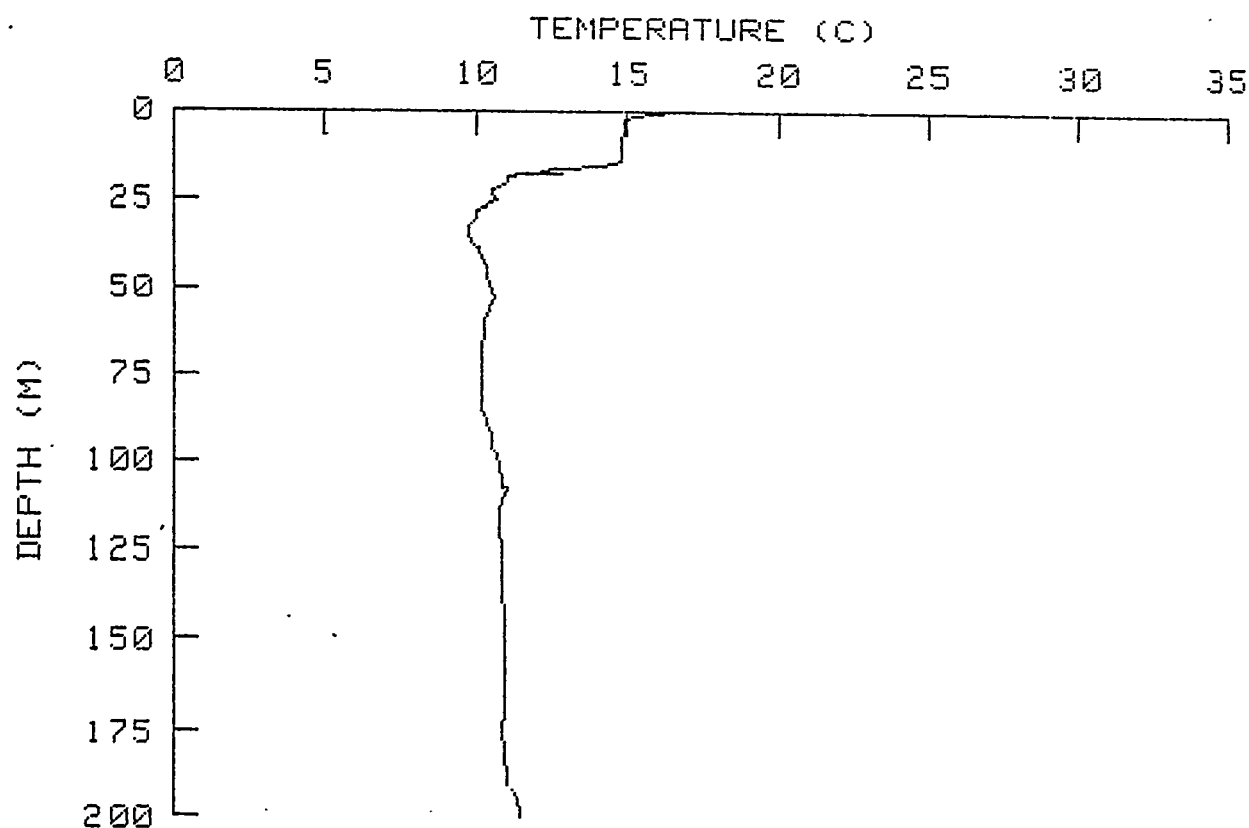
*Station given is the hydrography station preceding XBT position

STATION 001X DATE 23 AUG 80 TIME 0105 LAT 41-10.9N LON 70-57.0W DEPTH(M) SST(C)



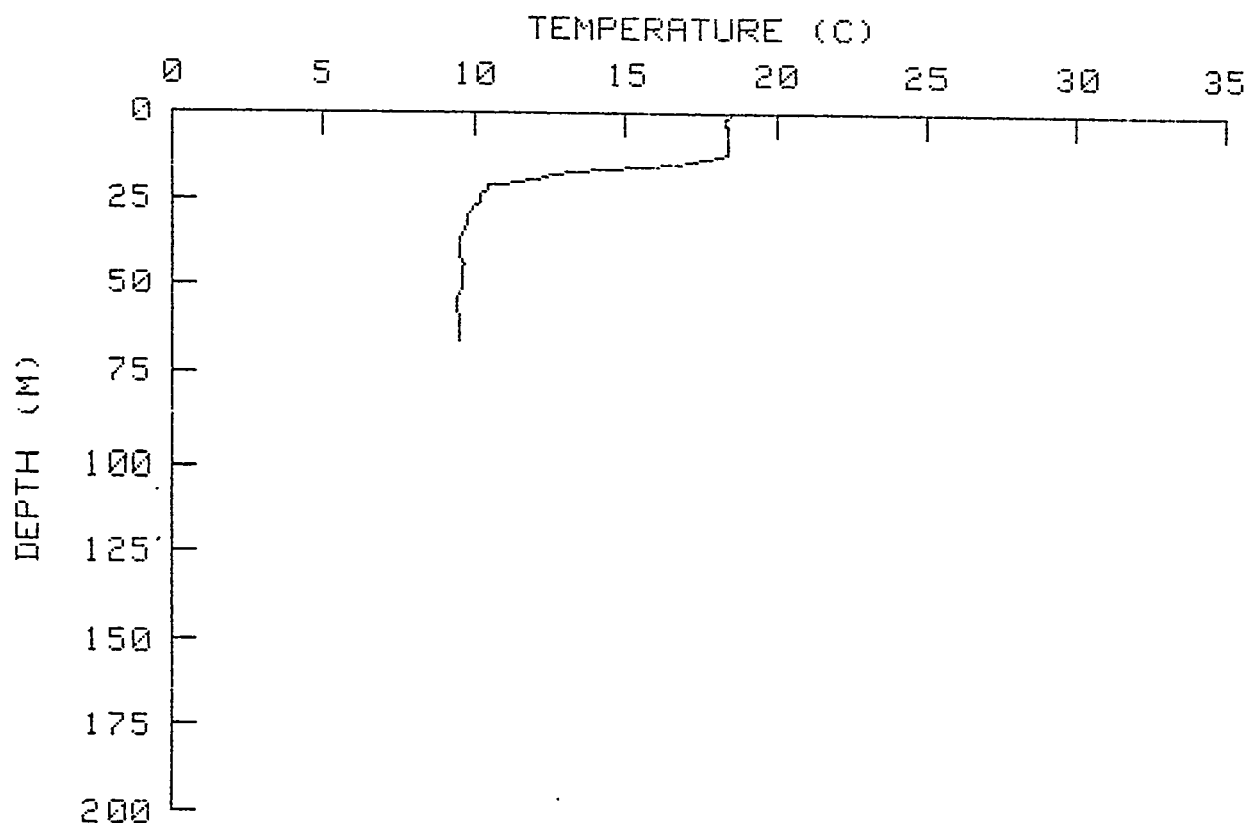
	0	1	2	3	4	5	6	7	8	9
0	-	18.17	18.16	18.16	18.15	18.14	18.14	18.13	18.13	18.12
10	18.12	18.11	18.07	18.00	17.93	17.86	17.83	17.83	17.78	17.74
20	17.67	17.66	17.39	16.87	16.38	16.00	15.63	15.30	14.91	14.34
30	13.74	13.32	12.99	12.77	12.71	12.59	12.59	12.59	12.59	12.59
40	12.61	12.63	12.64	12.62	12.60	12.58	12.61	12.66	12.67	12.67
50	12.67	12.68	12.69	12.70	12.71	12.72	12.72	12.79	12.84	12.87
60	12.89	12.92	12.94	12.96	12.98	12.99	13.01	13.03	13.04	13.05
70	13.06	13.09	13.13	13.18	13.22	13.24	13.27	13.29	13.31	13.33
80	13.35	13.38	13.40	13.42	13.44	13.47	13.49	13.51	13.53	13.56
90	13.58	13.60	13.61	13.63	13.65	13.67	13.69	13.71	13.73	13.75
100	13.76	13.78	13.79	13.80	13.82	13.83	13.84	13.85	13.87	13.88
110	13.89	13.91	13.93	13.94	13.96	13.97	13.99	14.00	14.02	14.03
120	14.05	14.06	14.07	14.08	14.09	14.10	14.12	14.13	14.14	14.15
130	14.16	14.17	14.19	14.20	14.21	14.22	14.23	14.24	14.25	14.26
140	14.27	14.27	14.27	14.27	14.27	14.27	14.27	14.27	14.27	14.27
150	14.27	14.28	14.29	14.30	14.31	14.32	14.33	14.34	14.34	14.35
160	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36	14.36
170	14.36	14.36	14.36	14.36	14.36	14.37	14.37	14.37	14.37	14.37
180	14.37	14.37	14.38	14.38	14.39	14.40	14.40	14.41	14.42	14.42
190	14.43	14.43	14.43	14.43	14.43	14.43	14.43	14.43	14.43	14.43
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 001Y 23 AUG 80 0330 40-52.4N 70-45.3W



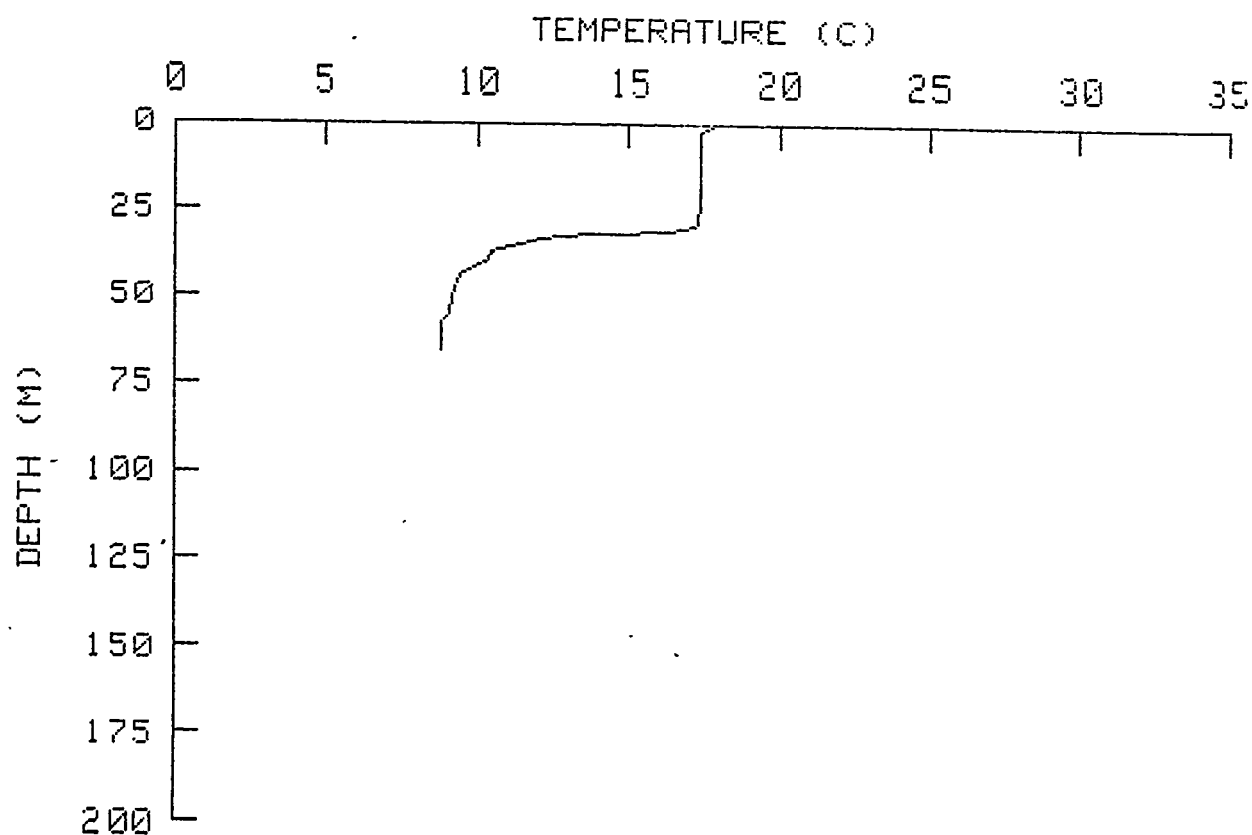
	0	1	2	3	4	5	6	7	8	9
0	-	15.88	15.03	14.88	14.88	14.88	14.88	14.87	14.86	14.85
10	14.85	14.85	14.85	14.85	14.85	14.61	13.82	12.25	11.39	11.09
20	11.09	10.84	10.64	10.57	10.61	10.67	10.45	10.38	10.07	10.03
30	10.03	9.96	9.85	9.81	9.81	9.82	9.85	9.92	9.99	10.08
40	10.10	10.16	10.22	10.29	10.35	10.36	10.36	10.40	10.45	10.49
50	10.52	10.54	10.56	10.59	10.56	10.52	10.47	10.44	10.40	10.33
60	10.30	10.31	10.31	10.31	10.30	10.27	10.24	10.22	10.22	10.21
70	10.21	10.21	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.21
80	10.21	10.21	10.21	10.21	10.21	10.21	10.25	10.28	10.37	10.38
90	10.39	10.43	10.46	10.50	10.52	10.55	10.57	10.61	10.66	10.70
100	10.73	10.76	10.79	10.84	10.90	10.93	10.93	10.93	11.03	11.00
110	10.96	10.93	10.89	10.86	10.84	10.84	10.84	10.84	10.84	10.84
120	10.84	10.85	10.86	10.86	10.87	10.87	10.87	10.87	10.87	10.87
130	10.87	10.87	10.87	10.87	10.88	10.88	10.88	10.88	10.89	10.90
140	10.91	10.92	10.93	10.94	10.95	10.96	10.96	10.96	10.96	10.96
150	10.96	10.96	10.96	10.96	10.96	10.96	10.97	10.97	10.97	10.97
160	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97
170	10.97	10.97	10.95	10.93	10.93	10.93	10.94	10.95	10.96	10.97
180	10.97	10.98	10.99	11.00	11.00	11.01	11.02	11.03	11.04	11.04
190	11.04	11.14	11.25	11.31	11.35	11.40	11.44	11.48	11.52	11.52
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 002Y 23 AUG 80 0815 40-30.0N 70-29.0W 69 18.5



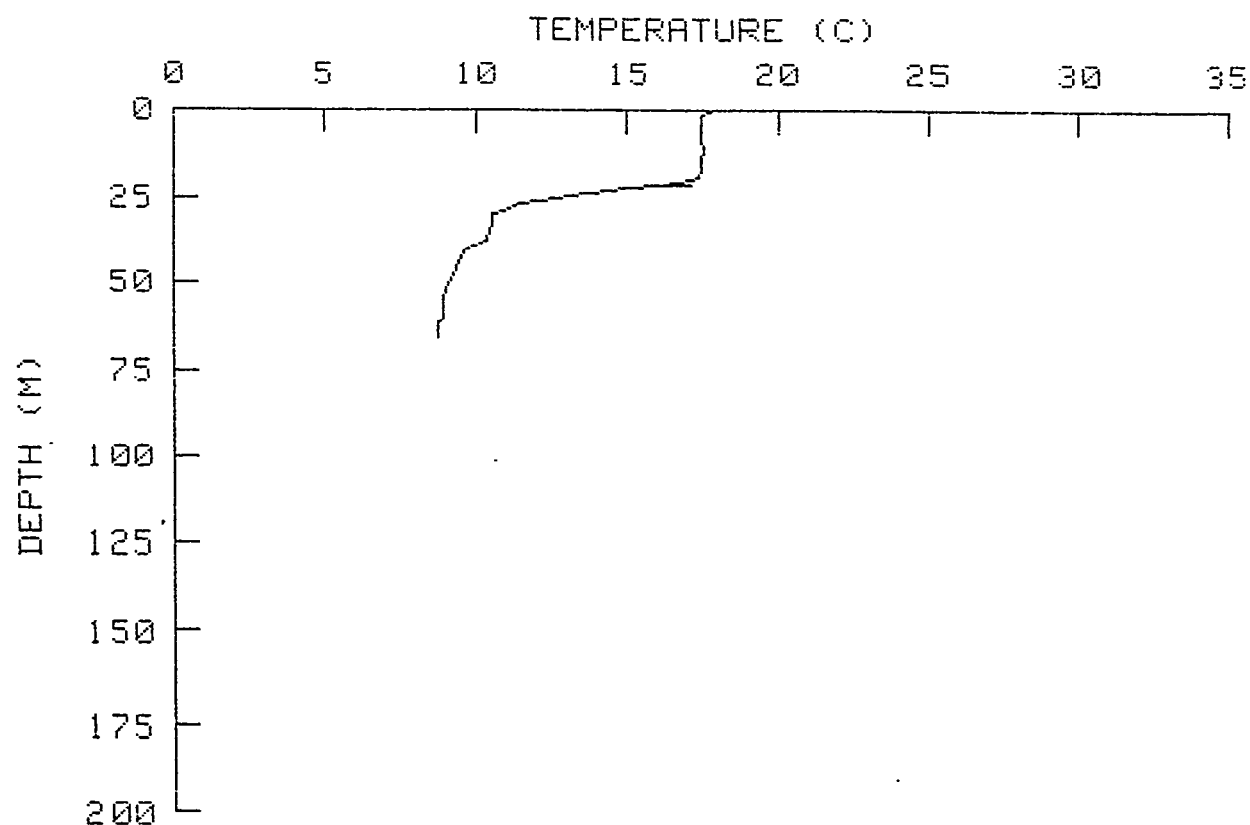
	0	1	2	3	4	5	6	7	8	9
0	-	18.49	18.34	18.31	18.30	18.38	18.38	18.38	18.38	18.38
10	18.38	18.38	18.38	18.11	17.48	16.36	15.25	14.02	12.56	12.36
20	11.35	10.61	10.43	10.31	10.25	10.19	10.17	10.03	9.97	9.86
30	9.76	9.76	9.76	9.72	9.65	9.59	9.57	9.54	9.52	9.52
40	9.52	9.52	9.52	9.58	9.68	9.66	9.61	9.60	9.60	9.60
50	9.60	9.59	9.58	9.51	9.45	9.44	9.45	9.46	9.47	9.47
60	9.48	9.49	9.50	9.51	9.52	9.54	9.55	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 003X DATE 23 AUG 80 TIME 2030 LAT 40-31.0N LON 70-29.8W DEPTH(M) 88 SST(C) 17.7



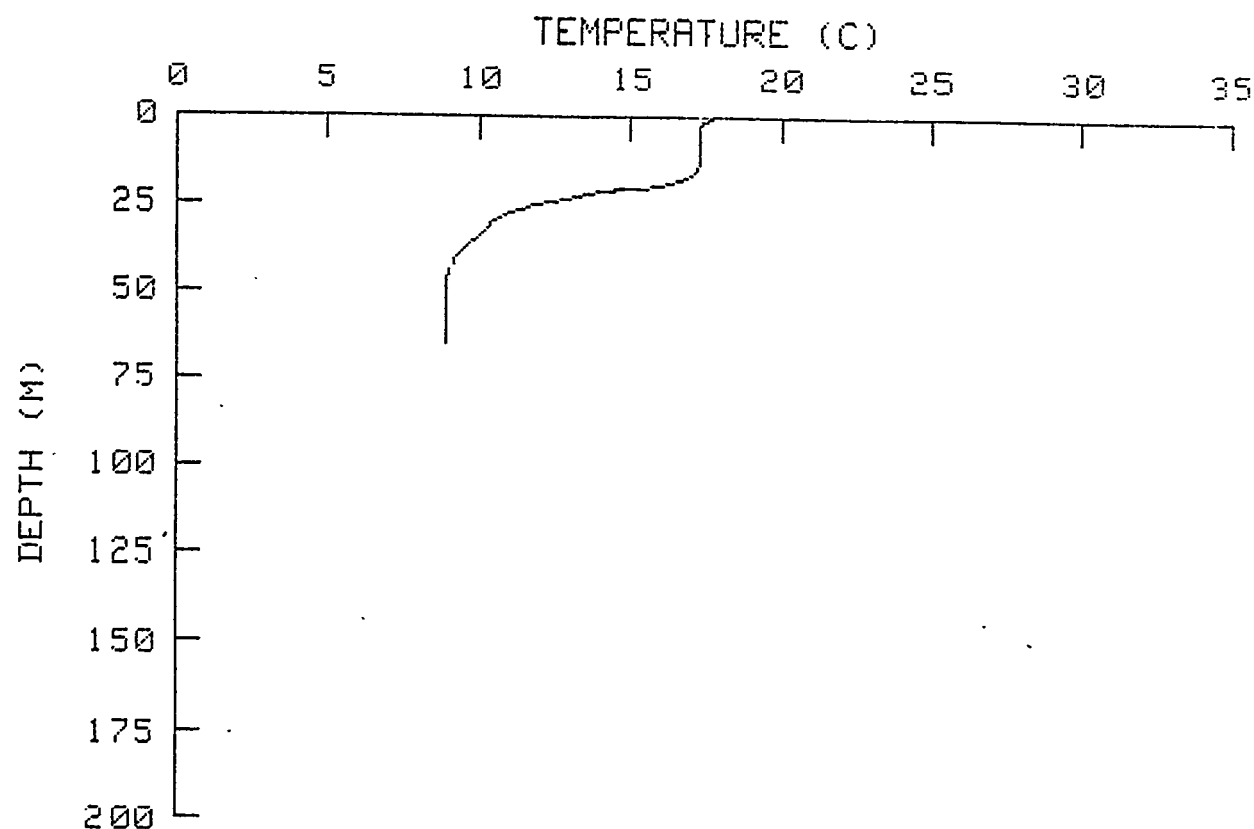
	0	1	2	3	4	5	6	7	8	9
0	-	-	17.52	17.41	17.39	17.37	17.36	17.36	17.36	17.36
10	17.36	17.36	17.36	17.36	17.35	17.35	17.35	17.35	17.35	17.35
20	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.34	17.30
30	17.01	16.31	13.98	12.37	11.77	11.32	10.86	10.54	10.48	10.38
40	10.23	9.94	9.70	9.50	9.41	9.33	9.30	9.28	9.26	9.23
50	9.21	9.18	9.16	9.14	9.12	9.10	9.01	8.90	8.85	8.85
60	8.84	8.84	8.84	8.84	8.84	8.84	8.82	8.80	8.78	8.75
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 004X DATE 24 AUG 80 TIME 0150 LAT 40-31.3N LON 70-28.8W DEPTH(M) 67 SST(C) SSST



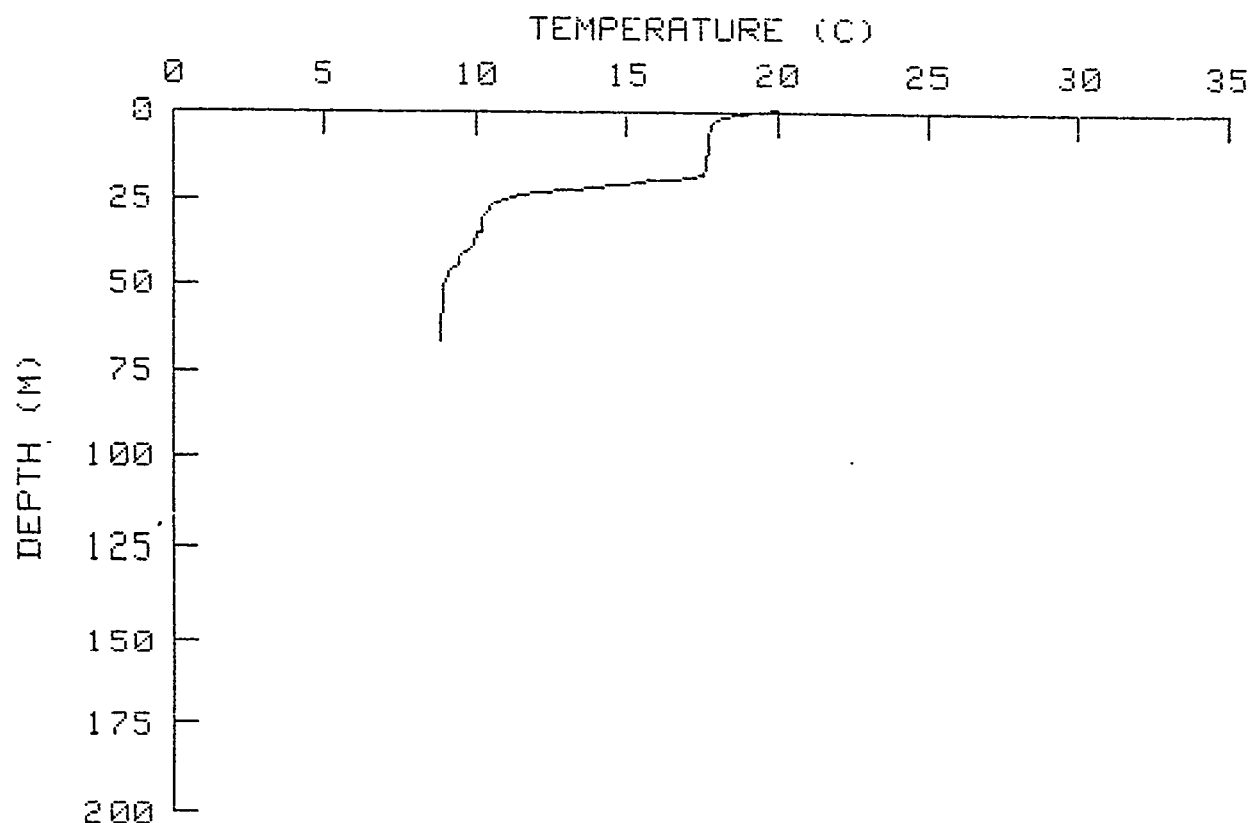
	0	1	2	3	4	5	6	7	8	9
0	-	17.80	17.51	17.51	17.51	17.51	17.51	17.51	17.51	17.51
10	17.52	17.53	17.53	17.53	17.50	17.49	17.49	17.49	17.43	17.38
20	17.21	16.51	15.59	14.38	13.51	12.76	12.12	11.48	11.12	10.60
30	10.54	10.54	10.54	10.51	10.47	10.44	10.38	10.34	10.32	9.98
40	9.69	9.63	9.56	9.48	9.42	9.38	9.34	9.29	9.24	9.20
50	9.14	9.08	9.03	9.00	8.97	8.94	8.91	8.91	8.91	8.91
60	8.91	8.86	8.78	8.78	8.78	8.78	8.78	8.76	8.74	8.72
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 005X DATE 24 AUG 80 TIME 0930 LAT 40-31.7N LON 70-30.2W DEPTH(M) 87 SST(C) 17.6



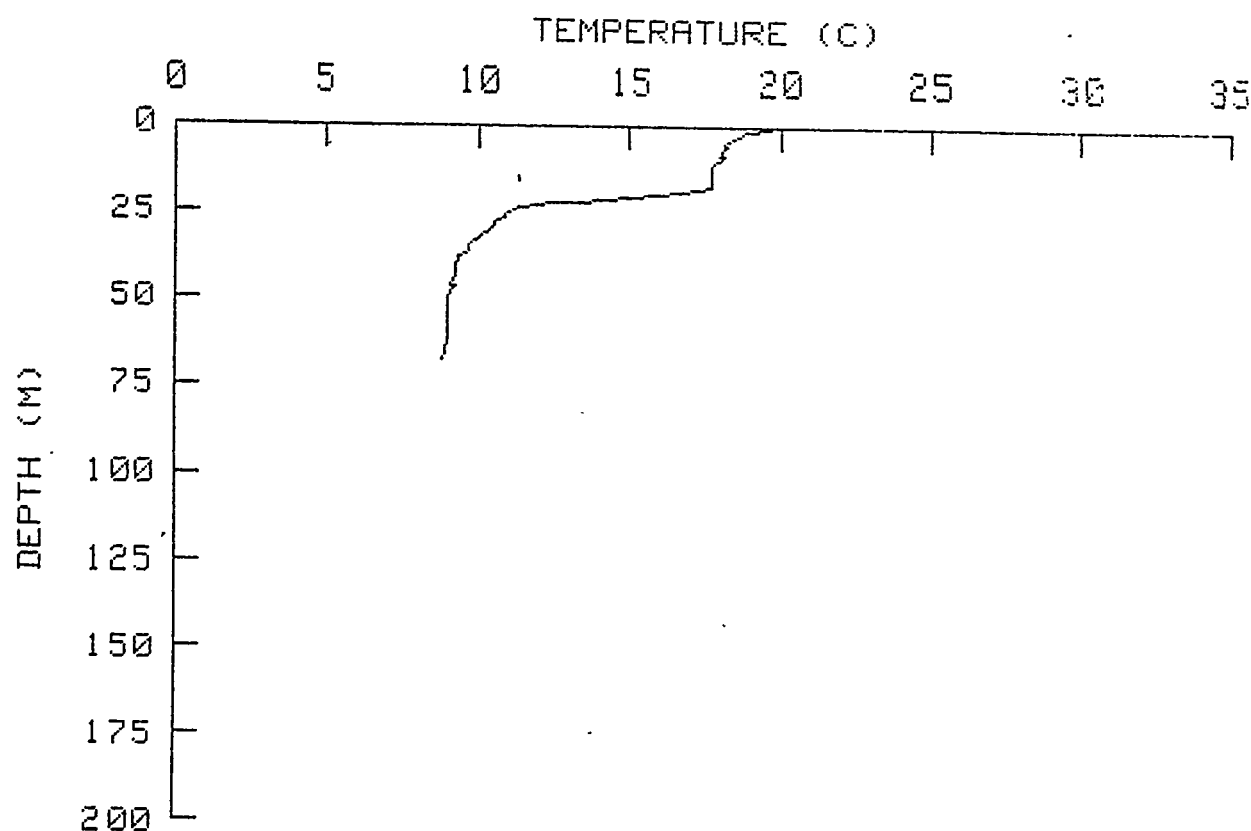
	0	1	2	3	4	5	6	7	8	9
0	-	17.57	17.55	17.34	17.34	17.34	17.34	17.34	17.34	17.34
10	17.34	17.34	17.34	17.34	17.34	17.29	17.20	17.05	16.81	16.45
20	15.94	14.83	13.69	13.20	12.63	12.10	11.61	11.09	10.81	10.60
30	10.47	10.39	10.31	10.22	10.06	9.89	9.71	9.57	9.45	9.37
40	9.26	9.16	9.16	9.10	9.04	9.02	9.00	8.98	8.95	8.95
50	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95
60	8.95	8.95	8.95	8.95	8.94	8.91	8.89	8.86	8.84	8.82
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 006Y DATE 24 AUG 80 TIME 1650 LAT 40-30.7N LON 70-29.7W DEPTH(M) 66 SST(C) 19.1



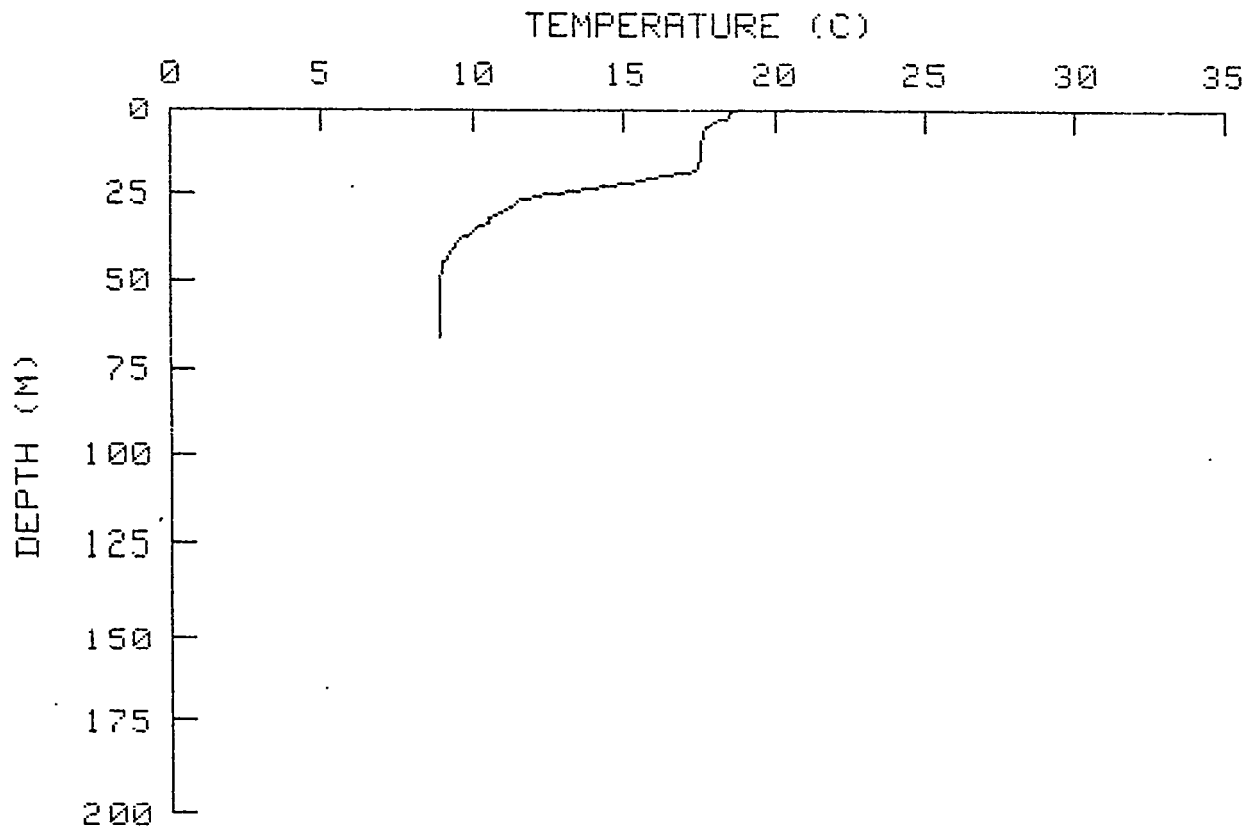
	0	1	2	3	4	5	6	7	8	9
0	19.98	18.93	18.13	17.90	17.82	17.78	17.77	17.76	17.75	17.75
10	17.74	17.73	17.70	17.66	17.62	17.61	17.61	17.58	17.54	16.98
20	15.62	14.29	13.48	12.35	11.32	10.91	10.65	10.56	10.47	10.38
30	10.29	10.21	10.17	10.17	10.17	10.04	10.01	9.97	9.93	9.86
40	9.76	9.58	9.49	9.46	9.46	9.30	9.16	9.10	9.10	9.03
50	8.95	8.93	8.91	8.88	8.88	8.88	8.88	8.88	8.87	8.87
60	8.86	8.85	8.85	8.85	8.85	8.85	8.85	8.82	8.73	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 007X DATE 24 AUG 80 TIME 1950 LAT 40-31.7N LON 70-30.9W DEPTH(M) 69 SST(C) 18.9



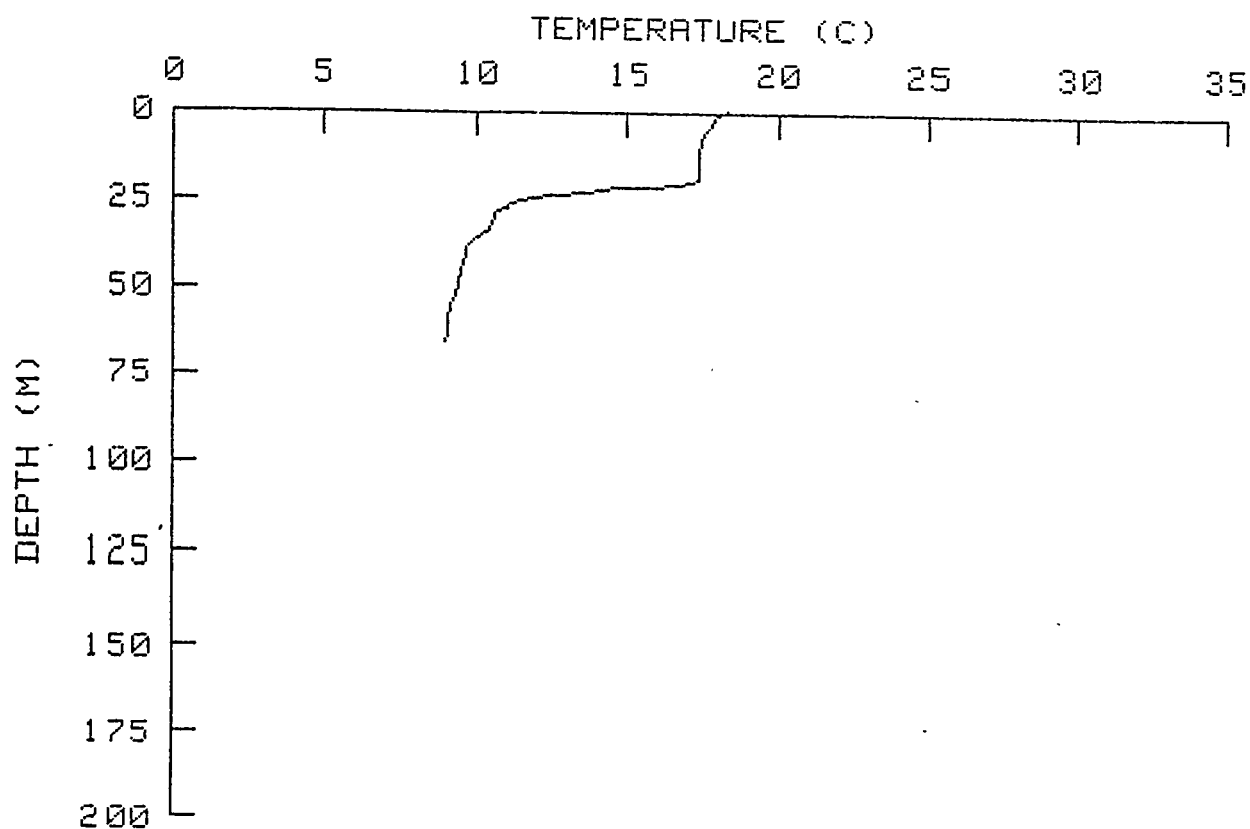
	0	1	2	3	4	5	6	7	8	9
0	-	19.62	18.86	18.68	18.49	18.30	18.27	18.16	18.05	18.16
10	18.83	17.89	17.77	17.77	17.77	17.77	17.77	17.77	17.67	17.12
20	16.40	14.97	13.34	12.22	11.46	11.13	10.94	10.80	10.65	10.57
30	10.48	10.31	10.14	9.97	9.80	9.71	9.70	9.57	9.39	9.33
40	9.29	9.24	9.24	9.24	9.23	9.19	9.15	9.23	9.15	9.07
50	9.03	9.02	9.01	9.00	8.99	8.99	8.99	8.99	8.99	8.95
60	8.99	8.99	8.99	8.98	8.96	8.94	8.92	8.90	8.88	8.87
70	8.87	8.87	8.87	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 008X DATE 25 AUG 80 TIME 0135 LAT 40-31.6N LON 70-29.9W DEPTH(M) 87 SST(C) 18.2



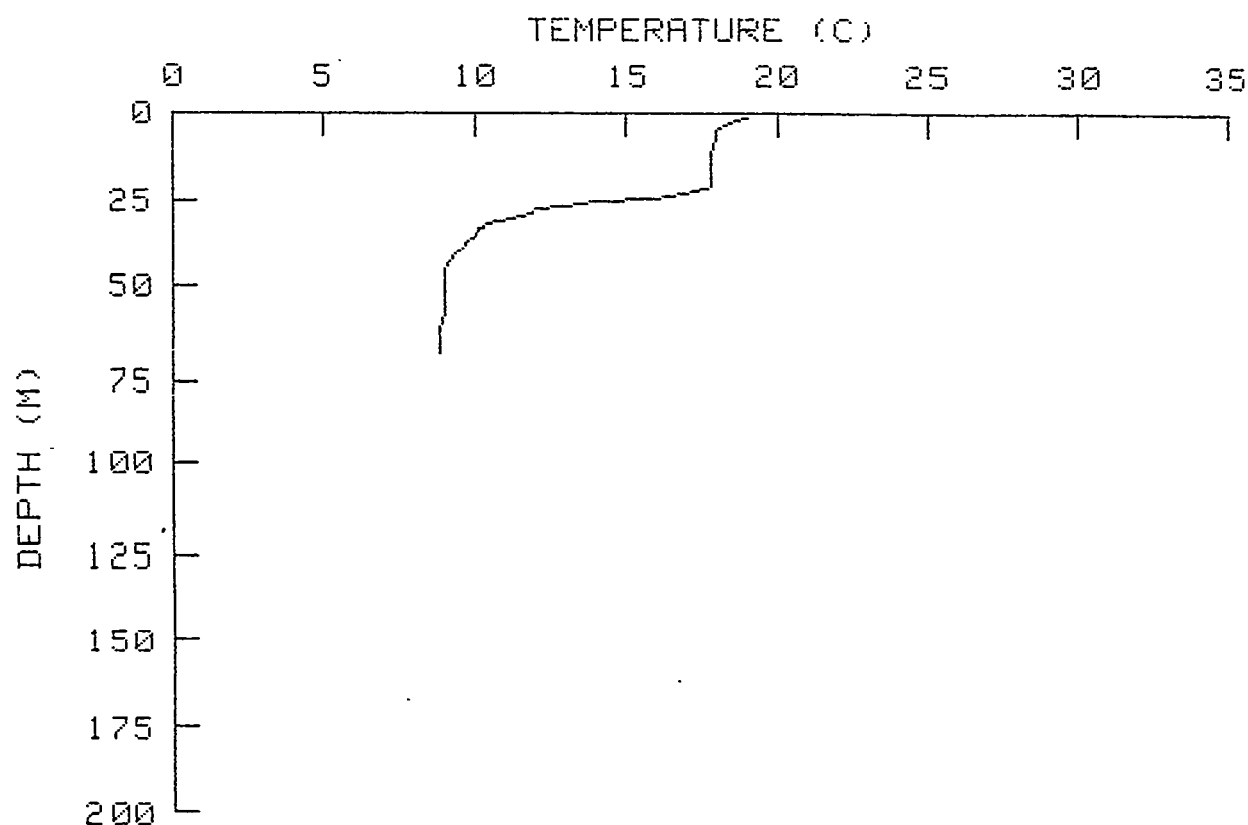
	0	1	2	3	4	5	6	7	8	9
0	-	18.60	18.51	18.32	18.02	17.82	17.72	17.68	17.66	17.62
10	17.59	17.58	17.58	17.58	17.56	17.55	17.52	17.50	17.43	17.17
20	16.66	16.04	15.16	14.51	13.77	12.85	12.18	11.63	11.43	11.26
30	10.99	10.77	10.56	10.53	10.30	10.13	9.97	9.76	9.65	9.50
40	9.43	9.38	9.26	9.18	9.04	9.03	9.02	9.00	8.98	8.96
50	8.94	8.93	8.93	8.93	8.93	8.93	8.93	8.93	8.93	8.93
60	8.93	8.93	8.93	8.93	8.93	8.91	8.88	8.88	8.87	8.87
70	8.87	8.86	8.86	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 009X 25 AUG 80 0850 40-31.9N 70-29.1W 60 18.5



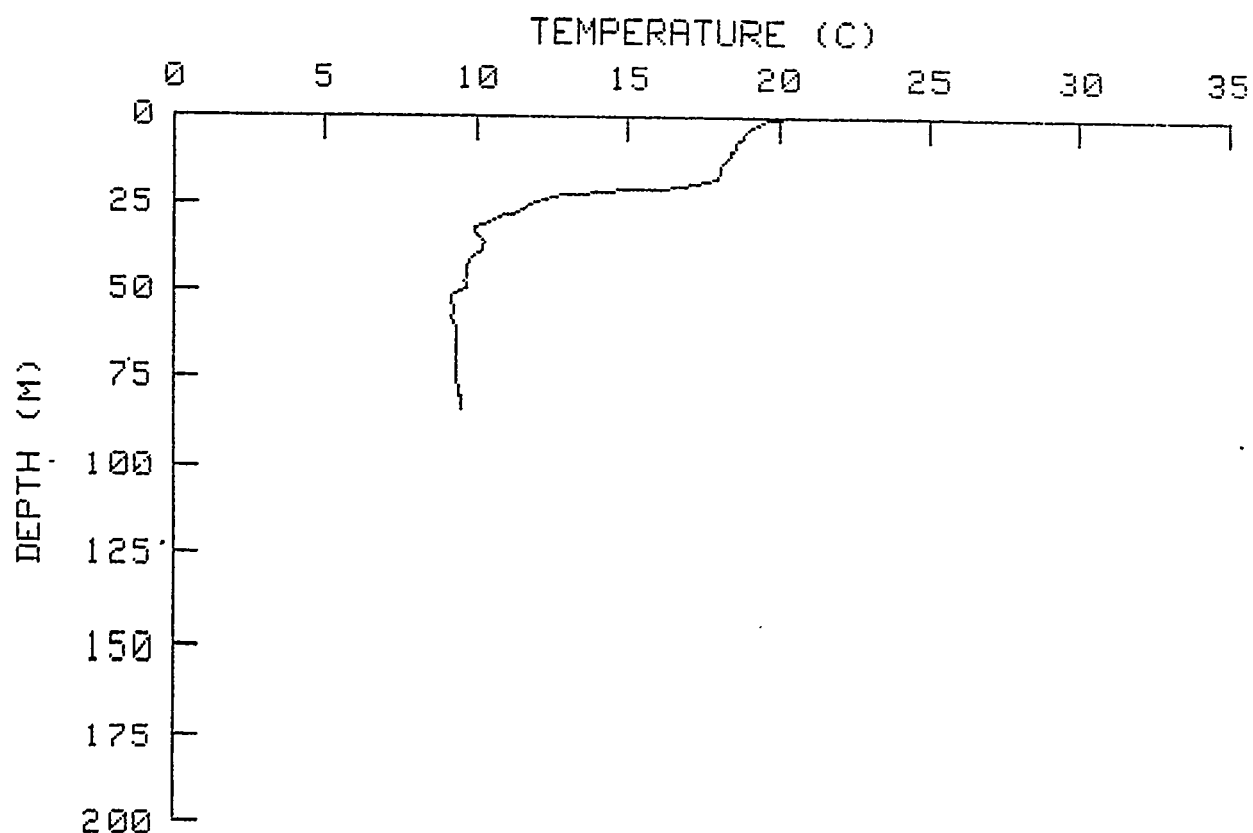
	0	1	2	3	4	5	6	7	8	9
0	18.29	18.03	17.89	17.87	17.82	17.71	17.62	17.54	17.49	17.45
10	17.43	17.39	17.37	17.37	17.37	17.37	17.37	17.37	17.37	17.37
20	17.07	16.11	14.64	13.28	12.18	11.50	11.13	11.06	10.81	10.66
30	10.64	10.55	10.51	10.47	10.31	10.14	9.96	9.82	9.75	9.71
40	9.69	9.67	9.64	9.61	9.58	9.55	9.52	9.48	9.45	9.45
50	9.45	9.42	9.37	9.29	9.23	9.21	9.19	9.16	9.14	9.11
60	9.12	9.13	9.13	9.13	9.13	9.10	9.05	9.04	9.04	9.04
70	9.03	9.03	9.03	9.02	9.02	9.02	9.01	9.01	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 010X 25 AUG 80 0920 40-27.4N 70-31.7W 70 19.3



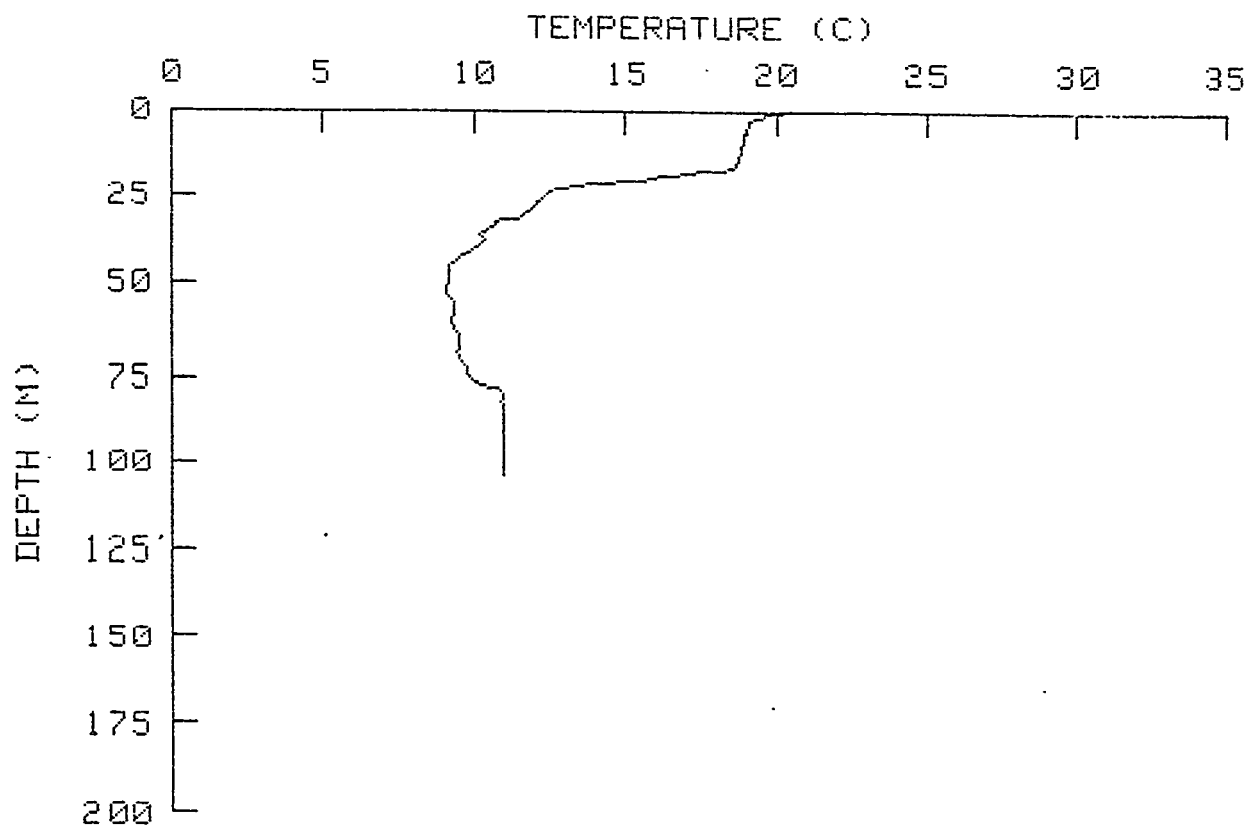
	0	1	2	3	4	5	6	7	8	9
0	-	-	18.80	18.47	18.24	18.09	18.01	18.01	18.01	17.89
10	17.87	17.86	17.85	17.84	17.83	17.83	17.83	17.83	17.83	17.83
20	17.82	17.77	17.60	16.92	16.06	14.49	13.36	12.52	11.95	11.80
30	11.40	10.97	10.50	10.33	10.11	10.06	9.98	9.82	9.70	9.61
40	9.48	9.36	9.28	9.21	9.14	9.07	9.03	9.03	9.02	9.02
50	9.01	9.00	9.00	8.99	8.99	8.98	8.98	8.97	8.95	8.93
60	8.91	8.89	8.87	8.87	8.87	8.87	8.87	8.87	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 011X 25 AUG 80 0950 40-22.5N 70-34.4W 90 20.2



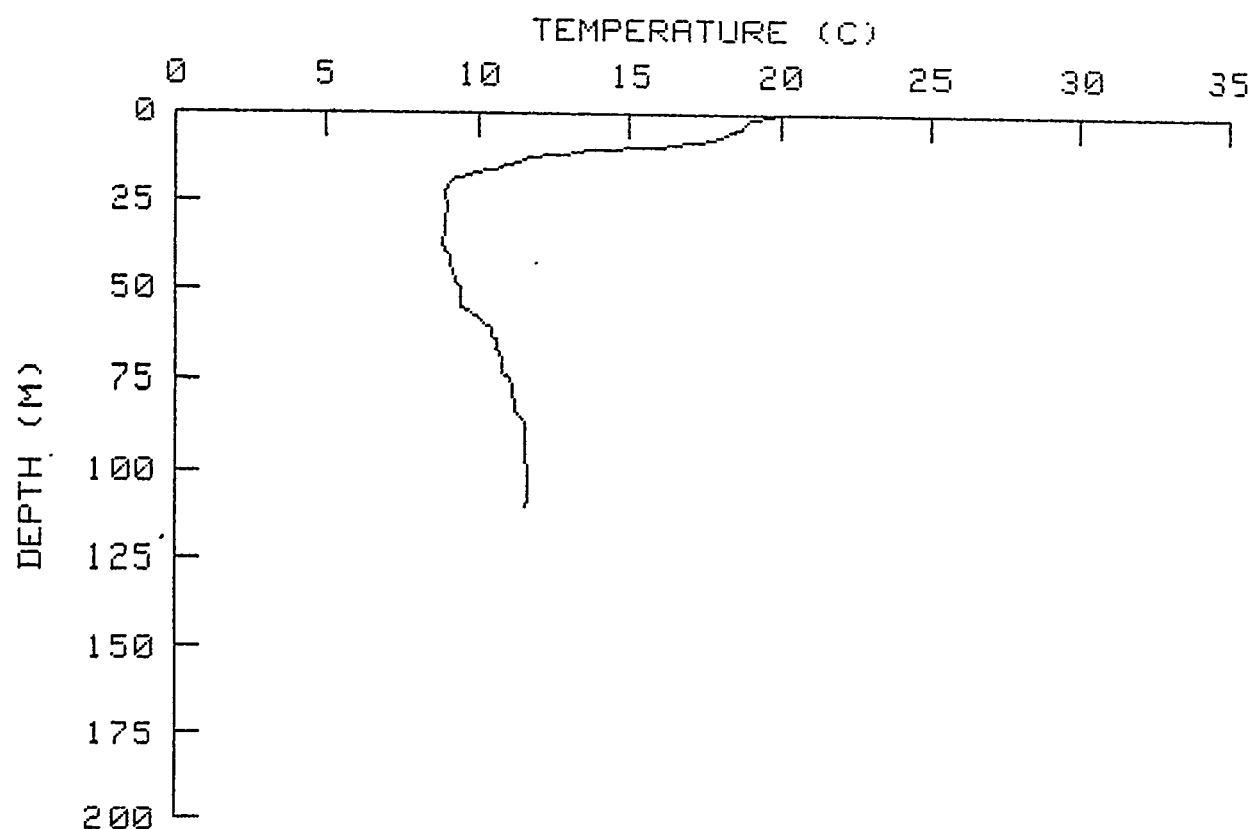
	0	1	2	3	4	5	6	7	8	9
0	-	19.95	19.46	19.23	19.06	18.96	18.89	18.72	18.62	18.58
10	18.45	18.41	18.34	18.22	18.16	18.11	18.08	18.05	17.96	17.55
20	16.83	15.52	13.51	12.66	12.20	11.87	11.67	11.47	11.18	10.81
30	10.52	10.30	9.95	9.95	10.09	10.19	10.25	10.23	10.20	10.11
40	9.95	9.85	9.80	9.75	9.72	9.72	9.72	9.66	9.65	9.65
50	9.47	9.25	9.20	9.20	9.21	9.26	9.25	9.24	9.20	9.29
60	9.31	9.32	9.33	9.33	9.34	9.34	9.34	9.34	9.34	9.34
70	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34
80	9.41	9.49	9.49	9.49	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 012X 25 AUG 80 1021 40-17.8N 70-37.0W 105 20.4



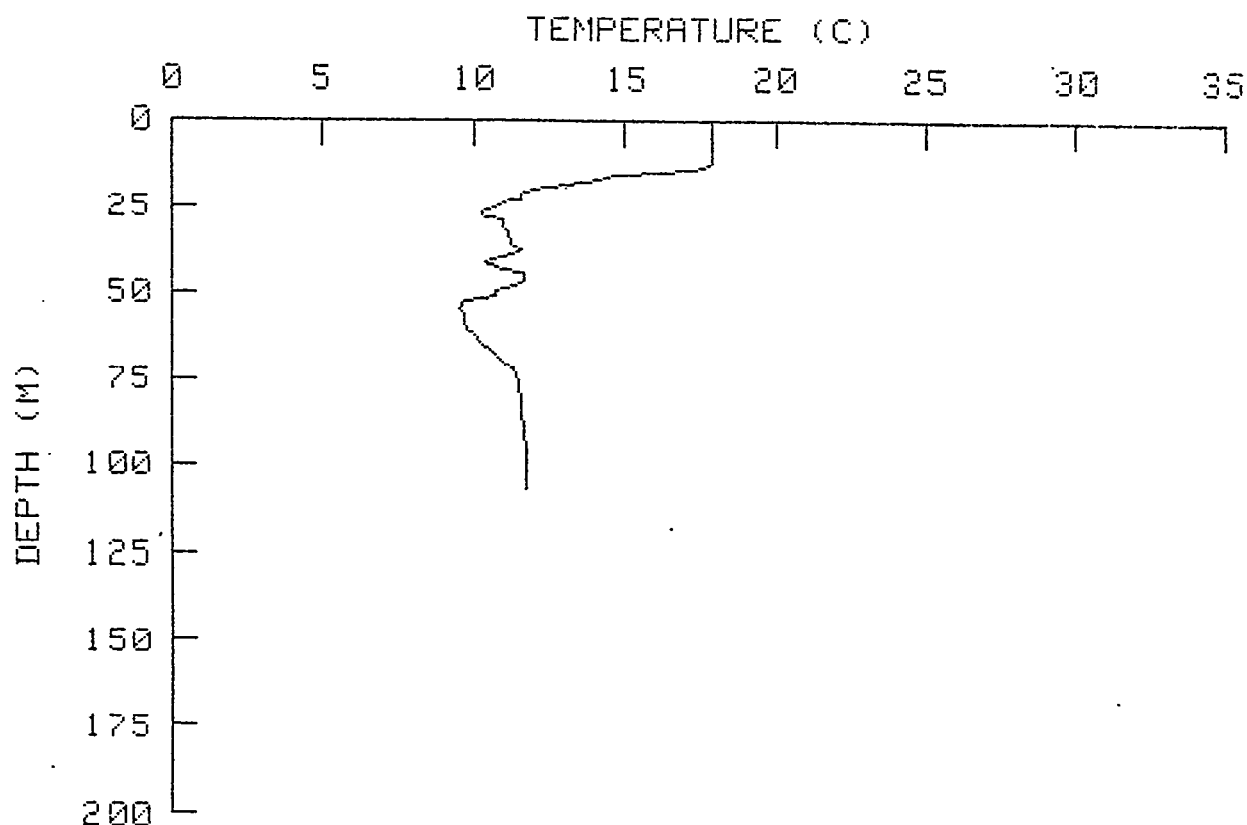
	0	1	2	3	4	5	6	7	8	9
0	-	20.06	19.53	19.22	19.09	19.04	18.98	18.96	18.92	18.92
10	18.91	18.87	18.83	18.83	18.76	18.73	18.71	18.50	17.94	16.77
20	15.82	15.09	13.87	12.86	12.54	12.39	12.25	12.06	12.03	11.88
30	11.72	11.55	11.07	10.73	10.63	10.45	10.29	10.29	10.36	10.23
40	10.05	9.87	9.68	9.49	9.34	9.23	9.20	9.20	9.19	9.16
50	9.15	9.11	9.10	9.09	9.21	9.26	9.29	9.31	9.31	9.31
60	9.23	9.28	9.30	9.42	9.47	9.48	9.48	9.48	9.48	9.49
70	9.58	9.65	9.70	9.75	9.81	9.91	10.18	10.54	10.86	10.94
80	10.95	10.88	10.95	10.99	10.99	10.99	10.99	10.99	10.99	10.99
90	10.99	10.99	10.99	10.99	10.99	10.99	10.99	10.99	10.99	10.99
100	10.99	10.99	10.99	10.99	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SOT(C)
 012Y 25 AUG 80 1034 40-16.0N 70-38.0W 114 20.0



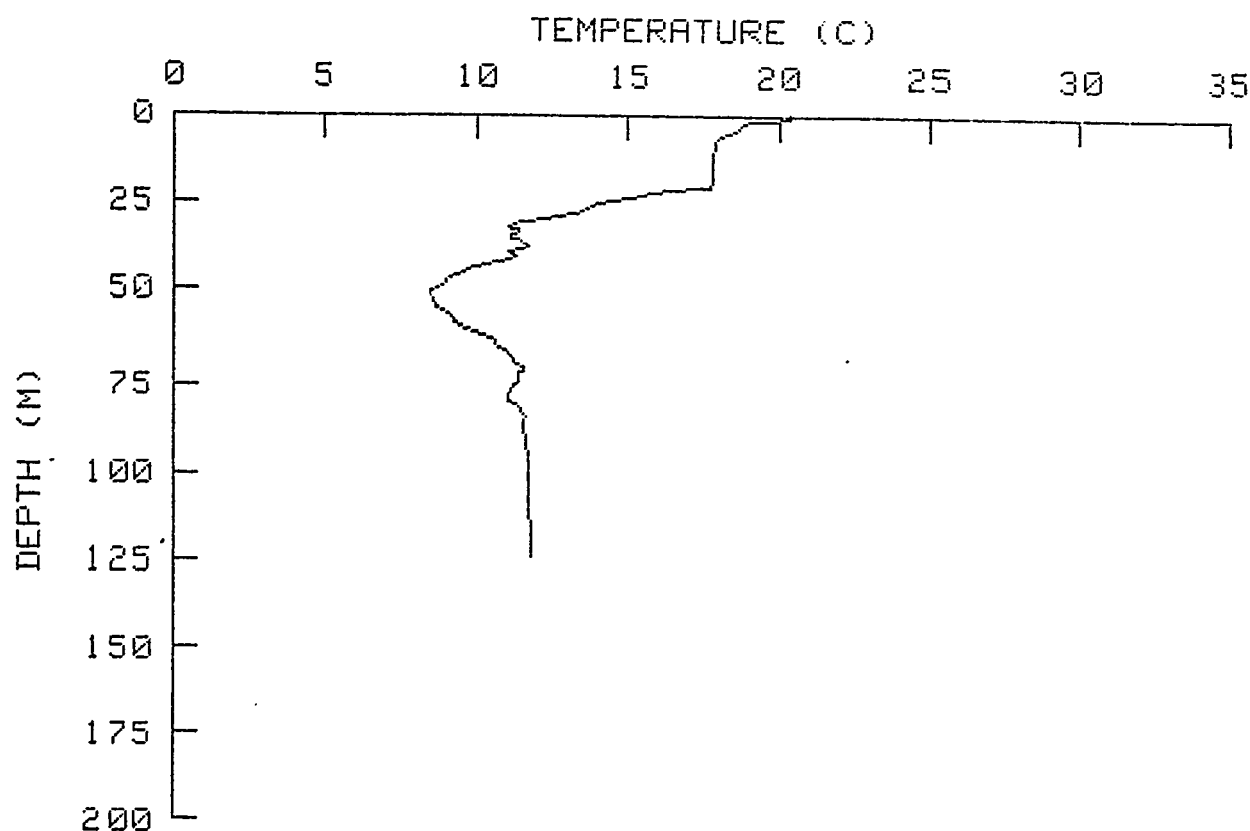
	0	1	2	3	4	5	6	7	8	9
0	20.91	19.63	19.05	18.91	18.81	18.56	18.24	17.91	17.55	16.49
10	15.22	13.47	12.62	11.68	11.30	11.00	10.76	10.20	9.64	9.21
20	9.06	8.96	8.96	8.95	8.95	8.98	9.01	9.01	9.00	8.90
30	8.88	8.88	8.88	8.88	8.90	8.93	8.87	8.97	8.88	8.91
40	9.00	9.06	9.09	9.11	9.12	9.14	9.20	9.26	9.28	9.33
50	9.41	9.42	9.44	9.45	9.46	9.47	9.64	9.80	9.96	10.12
60	10.28	10.39	10.45	10.48	10.55	10.60	10.62	10.65	10.68	10.72
70	10.75	10.81	10.81	10.83	11.01	11.09	11.15	11.16	11.17	11.18
80	11.19	11.20	11.21	11.27	11.39	11.50	11.53	11.53	11.53	11.53
90	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.54	11.57	11.61
100	11.62	11.62	11.62	11.62	11.62	11.62	11.62	11.62	11.62	11.62
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 013X 25 AUG 80 1052 40-13.2N 70-40.1W 107 19.7



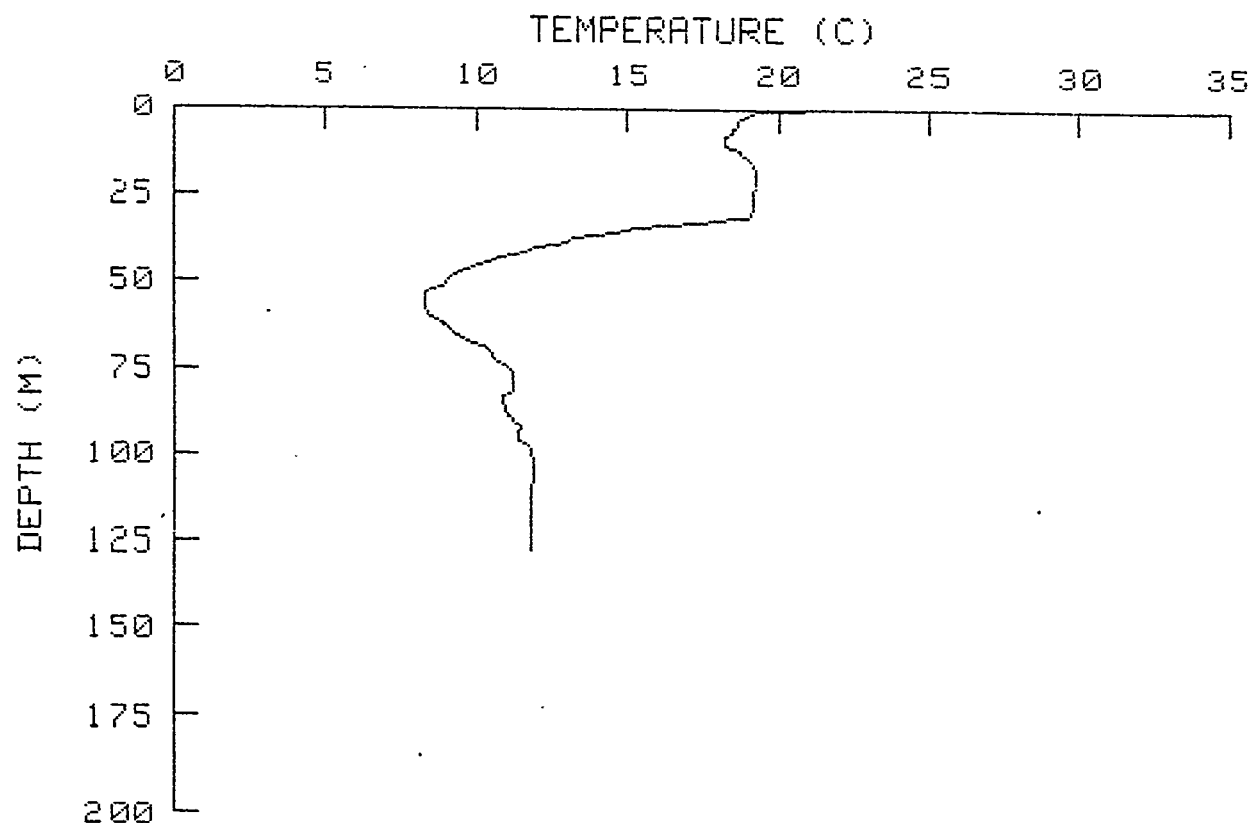
	0	1	2	3	4	5	6	7	8	9
0	17.91	17.89	17.89	17.89	17.89	17.88	17.88	17.88	17.88	17.88
10	17.88	17.88	17.87	17.71	17.20	15.71	14.59	14.25	13.68	12.81
20	12.09	11.66	11.62	11.40	10.99	10.70	10.44	10.34	10.41	10.85
30	10.98	10.93	11.05	11.14	11.16	11.18	11.19	11.39	11.60	11.32
40	10.91	10.52	10.45	10.77	11.22	11.63	11.65	11.55	11.31	11.01
50	10.73	10.59	9.96	9.63	9.57	9.58	9.67	9.69	9.72	9.74
60	9.75	9.84	10.01	10.10	10.19	10.33	10.47	10.62	10.79	10.90
70	11.03	11.24	11.36	11.37	11.39	11.44	11.49	11.50	11.52	11.54
80	11.56	11.57	11.57	11.58	11.58	11.59	11.59	11.60	11.64	11.65
90	11.66	11.67	11.68	11.69	11.73	11.75	11.75	11.75	11.75	11.75
100	11.75	11.75	11.75	11.75	11.75	11.75	11.75	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 014X 25 AUG 80 1125 40-10.8N 70-42.8W 124 21.6



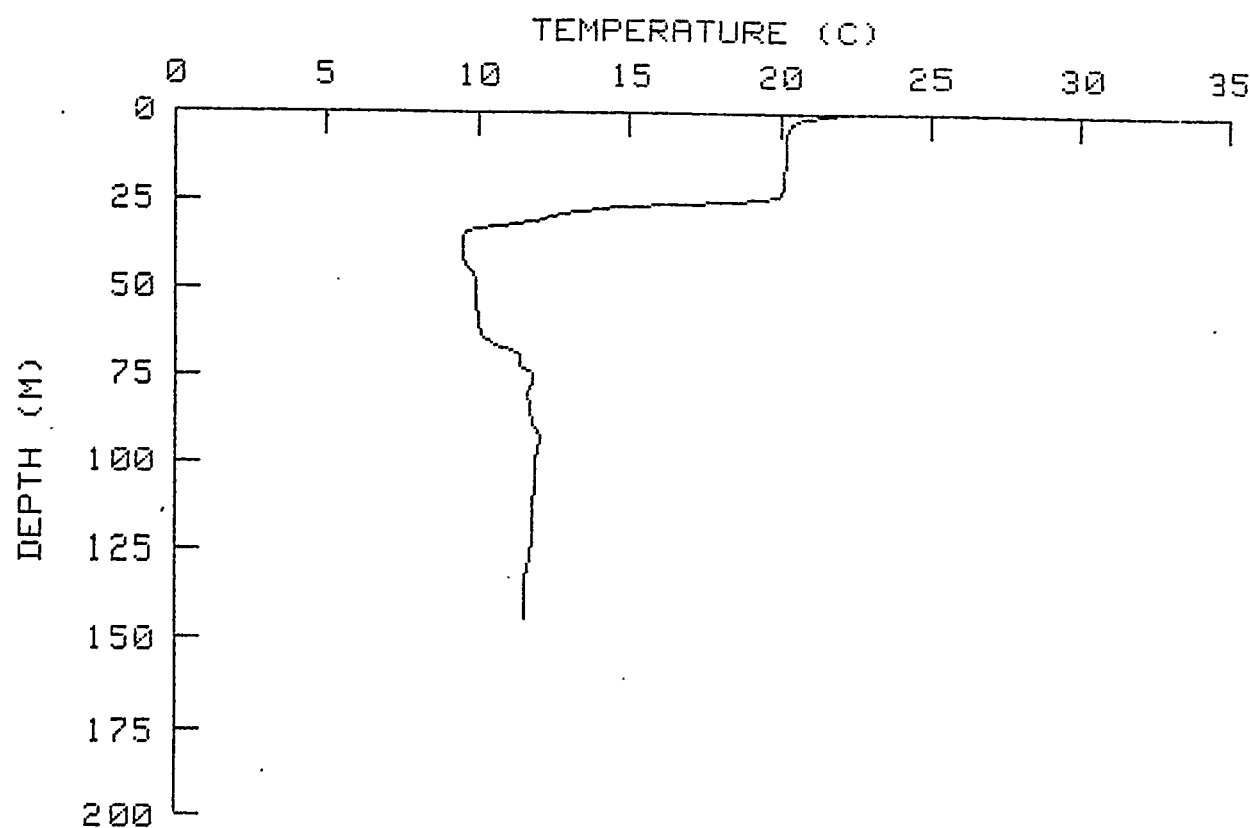
	0	1	2	3	4	5	6	7	8	9
0	20.42	20.38	19.21	18.82	18.68	18.50	18.13	17.96	17.88	17.88
10	17.84	17.81	17.80	17.79	17.79	17.78	17.79	17.79	17.79	17.79
20	17.74	17.43	16.42	15.45	14.72	14.21	13.91	13.68	13.36	12.54
30	11.90	11.33	11.17	11.41	11.21	11.15	11.41	11.65	11.51	11.06
40	11.26	11.20	10.88	10.42	9.87	9.49	9.23	9.10	9.04	8.84
50	8.55	8.49	8.55	8.61	8.62	8.72	8.99	9.16	9.27	9.58
60	9.89	10.09	10.40	10.59	10.78	10.96	11.08	11.19	11.29	11.44
70	11.56	11.43	11.40	11.40	11.39	11.22	11.18	11.09	11.08	11.09
80	11.21	11.35	11.46	11.57	11.68	11.59	11.58	11.58	11.59	11.61
90	11.63	11.65	11.66	11.67	11.68	11.69	11.70	11.71	11.72	11.72
100	11.73	11.74	11.74	11.75	11.75	11.76	11.76	11.76	11.76	11.77
110	11.77	11.77	11.77	11.78	11.78	11.78	11.78	11.79	11.79	11.79
120	11.79	11.80	11.80	11.80	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 015X 25 AUG 80 1200 40-08.6N 70-44.0W 130 21.6



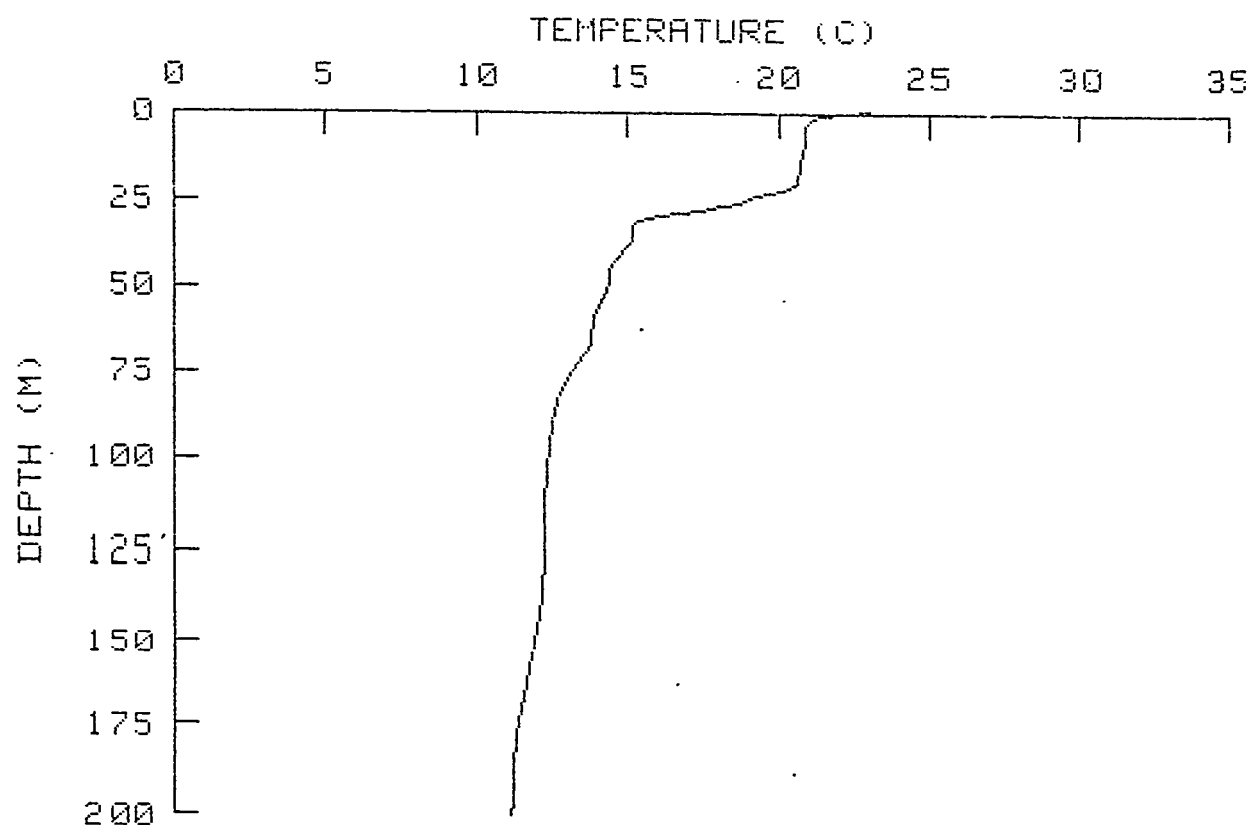
	0	1	2	3	4	5	6	7	8	9
0	-	20.80	19.21	18.82	18.67	18.65	18.57	18.49	18.37	18.28
10	18.27	18.27	18.43	18.76	18.86	19.03	19.14	19.18	19.22	19.24
20	19.25	19.26	19.26	19.27	19.19	19.18	19.17	19.17	19.22	19.21
30	19.11	18.92	17.90	16.53	15.54	14.77	14.02	13.40	13.10	12.76
40	12.02	11.68	11.22	10.84	10.49	10.12	9.85	9.57	9.28	9.16
50	9.10	9.04	8.80	8.44	8.32	8.31	8.29	8.28	8.32	8.38
60	8.46	8.71	8.88	9.05	9.16	9.25	9.46	9.68	9.90	10.32
70	10.45	10.54	10.64	10.82	10.99	11.11	11.22	11.22	11.22	11.22
80	11.22	11.18	10.92	10.87	10.87	10.90	10.98	11.03	11.07	11.16
90	11.26	11.39	11.45	11.41	11.41	11.41	11.46	11.65	11.77	11.82
100	11.85	11.89	11.90	11.90	11.90	11.90	11.89	11.88	11.88	11.87
110	11.86	11.86	11.85	11.85	11.84	11.84	11.84	11.84	11.84	11.84
120	11.84	11.84	11.84	11.84	11.84	11.83	11.83	11.83	11.82	11.81
130	11.79	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 018X 25 AUG 80 1230 40-03.4N 70-47.0W 165 22.8



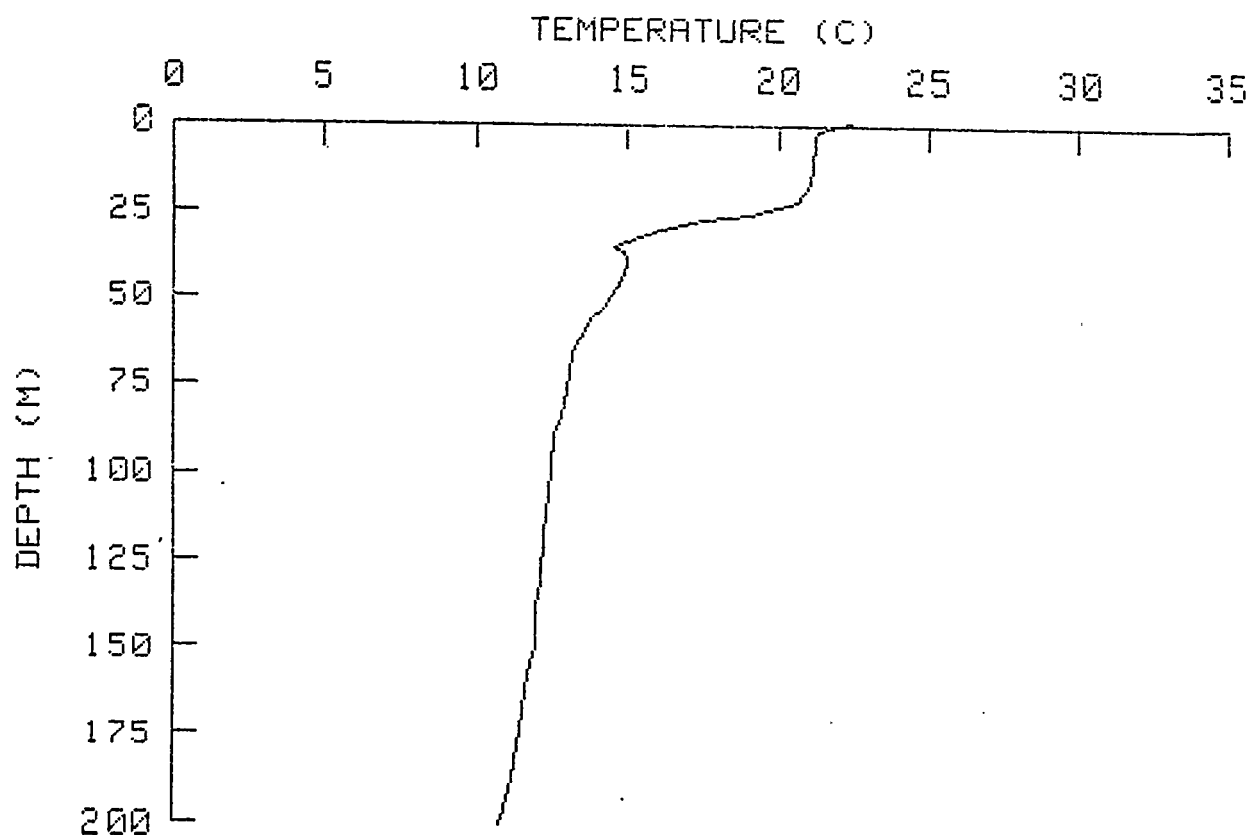
	0	1	2	3	4	5	6	7	8	9
0	-	21.64	20.70	20.37	20.32	20.28	20.23	20.20	20.20	20.20
10	20.20	20.20	20.20	20.19	20.18	20.17	20.16	20.15	20.14	20.13
20	20.12	20.11	20.07	20.00	19.73	18.99	16.26	14.25	13.48	12.73
30	12.37	12.02	11.22	10.15	9.63	9.61	9.58	9.56	9.56	9.56
40	9.56	9.56	9.56	9.60	9.67	9.74	9.82	9.89	9.93	9.93
50	9.93	9.93	9.93	9.93	9.94	9.96	9.97	9.99	10.00	10.02
60	10.04	10.06	10.08	10.10	10.20	10.35	10.51	10.82	11.19	11.32
70	11.40	11.40	11.40	11.54	11.69	11.80	11.80	11.80	11.77	11.71
80	11.65	11.67	11.70	11.72	11.74	11.77	11.79	11.81	11.82	11.86
90	11.93	12.01	12.08	12.10	12.12	12.07	12.02	12.00	11.97	11.95
100	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.92	11.90	11.88
110	11.85	11.83	11.81	11.81	11.81	11.81	11.81	11.81	11.81	11.81
120	11.81	11.81	11.79	11.78	11.76	11.75	11.73	11.71	11.69	11.66
130	11.63	11.60	11.57	11.54	11.54	11.54	11.54	11.54	11.54	11.54
140	11.54	11.54	11.54	11.54	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 017X 25 AUG 80 1945 39-45.8N 70-59.5W 1646 23.1



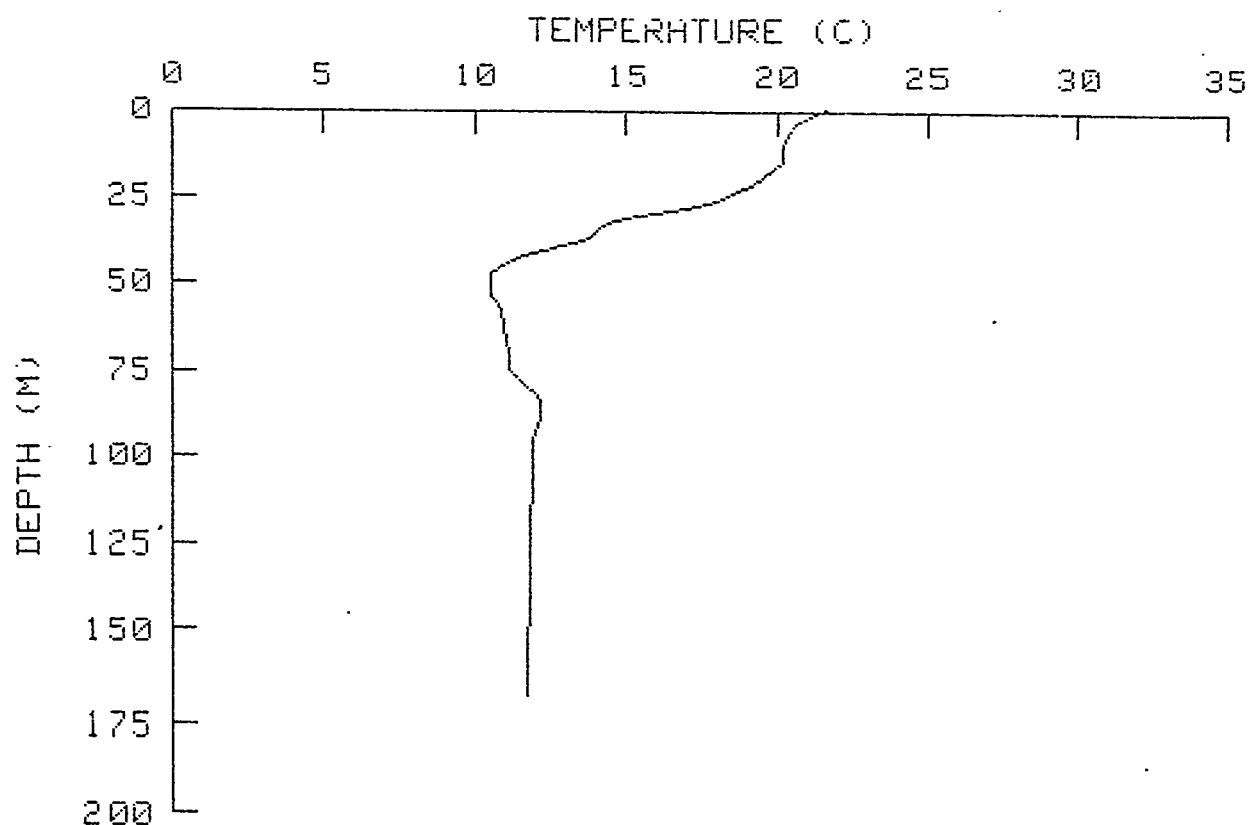
	0	1	2	3	4	5	6	7	8	9
0	22.85	21.34	21.10	20.99	20.88	20.87	20.87	20.86	20.86	20.85
10	20.83	20.81	20.79	20.77	20.75	20.73	20.71	20.70	20.68	20.66
20	20.64	20.50	20.34	19.81	19.26	18.96	18.59	17.93	17.46	16.53
30	15.78	15.32	15.23	15.19	15.20	15.20	15.20	15.20	15.10	14.99
40	14.87	14.75	14.63	14.50	14.44	14.43	14.41	14.38	14.35	14.32
50	14.30	14.28	14.24	14.19	14.14	14.09	14.04	13.98	13.93	13.90
60	13.89	13.88	13.86	13.85	13.84	13.83	13.81	13.80	13.75	13.67
70	13.59	13.52	13.44	13.36	13.29	13.21	13.15	13.08	13.02	12.96
80	12.89	12.83	12.76	12.70	12.66	12.64	12.62	12.60	12.58	12.56
90	12.55	12.53	12.51	12.49	12.48	12.46	12.44	12.43	12.41	12.39
100	12.38	12.36	12.34	12.33	12.32	12.31	12.30	12.30	12.29	12.28
110	12.28	12.27	12.27	12.26	12.25	12.25	12.25	12.25	12.25	12.25
120	12.24	12.24	12.24	12.24	12.24	12.24	12.23	12.22	12.22	12.21
130	12.20	12.19	12.18	12.18	12.17	12.16	12.15	12.14	12.14	12.13
140	12.12	12.11	12.10	12.08	12.06	12.04	12.02	12.00	11.98	11.96
150	11.95	11.93	11.91	11.89	11.87	11.84	11.82	11.79	11.77	11.74
160	11.72	11.69	11.67	11.64	11.62	11.60	11.57	11.55	11.53	11.50
170	11.48	11.46	11.44	11.42	11.40	11.38	11.36	11.34	11.32	11.31
180	11.30	11.28	11.27	11.26	11.25	11.23	11.22	11.21	11.20	11.20
190	11.20	11.20	11.20	11.20	11.20	11.21	11.21	11.19	11.17	11.15
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 018X 25 AUG 80 2211 39-43.4N 70-59.4W 1939 22.6



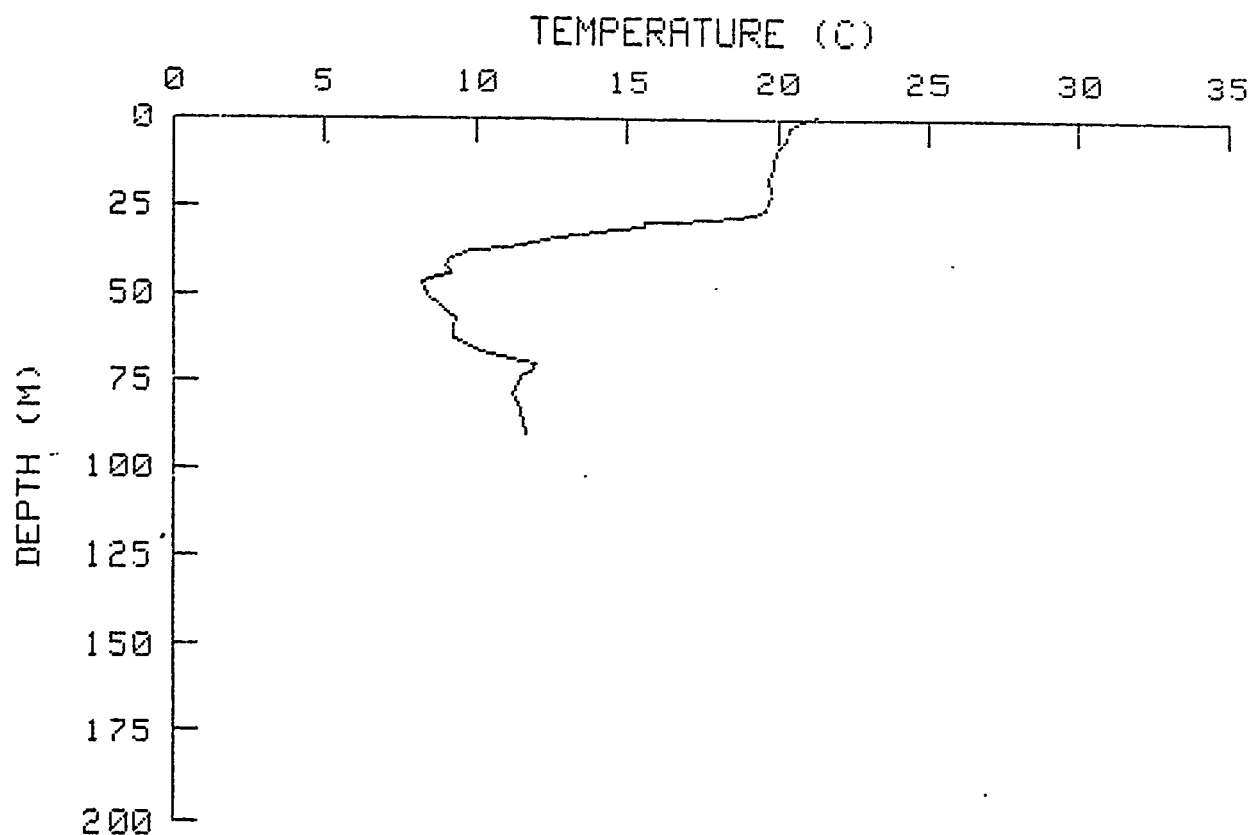
	0	1	2	3	4	5	6	7	8	9
0	22.38	21.75	21.32	21.29	21.26	21.22	21.21	21.20	21.18	21.17
10	21.16	21.15	21.14	21.12	21.10	21.09	21.07	21.04	20.96	20.88
20	20.80	20.72	20.64	20.29	19.92	19.49	18.83	18.08	17.38	16.83
30	16.27	15.89	15.59	15.28	14.98	14.69	14.64	14.91	14.96	14.99
40	15.00	14.98	14.95	14.93	14.87	14.81	14.74	14.67	14.60	14.52
50	14.45	14.38	14.31	14.24	14.10	13.94	13.85	13.79	13.73	13.67
60	13.61	13.55	13.49	13.42	13.35	13.29	13.22	13.19	13.18	13.17
70	13.16	13.15	13.14	13.12	13.11	13.09	13.08	13.06	13.03	13.01
80	12.98	12.96	12.94	12.91	12.89	12.83	12.78	12.73	12.67	12.62
90	12.60	12.59	12.58	12.57	12.56	12.54	12.53	12.52	12.51	12.50
100	12.49	12.47	12.46	12.45	12.44	12.43	12.42	12.41	12.39	12.38
110	12.37	12.36	12.35	12.34	12.33	12.31	12.30	12.29	12.28	12.27
120	12.26	12.24	12.23	12.22	12.21	12.20	12.19	12.17	12.16	12.15
130	12.14	12.13	12.11	12.08	12.06	12.04	12.02	12.00	11.97	11.97
140	11.97	11.98	11.98	11.99	11.99	12.00	12.00	12.01	12.01	12.02
150	12.01	11.98	11.95	11.91	11.88	11.85	11.81	11.78	11.76	11.74
160	11.72	11.70	11.68	11.66	11.64	11.62	11.60	11.58	11.56	11.54
170	11.52	11.50	11.48	11.47	11.45	11.43	11.41	11.40	11.38	11.36
180	11.34	11.33	11.31	11.29	11.28	11.26	11.24	11.22	11.21	11.18
190	11.15	11.12	11.09	11.06	11.03	11.00	10.97	10.94	10.91	10.88
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LGN DEPTH(M) SST(C)
 019X 26 AUG 83 0145 39-53.8N 71-42.4W 183 22.2



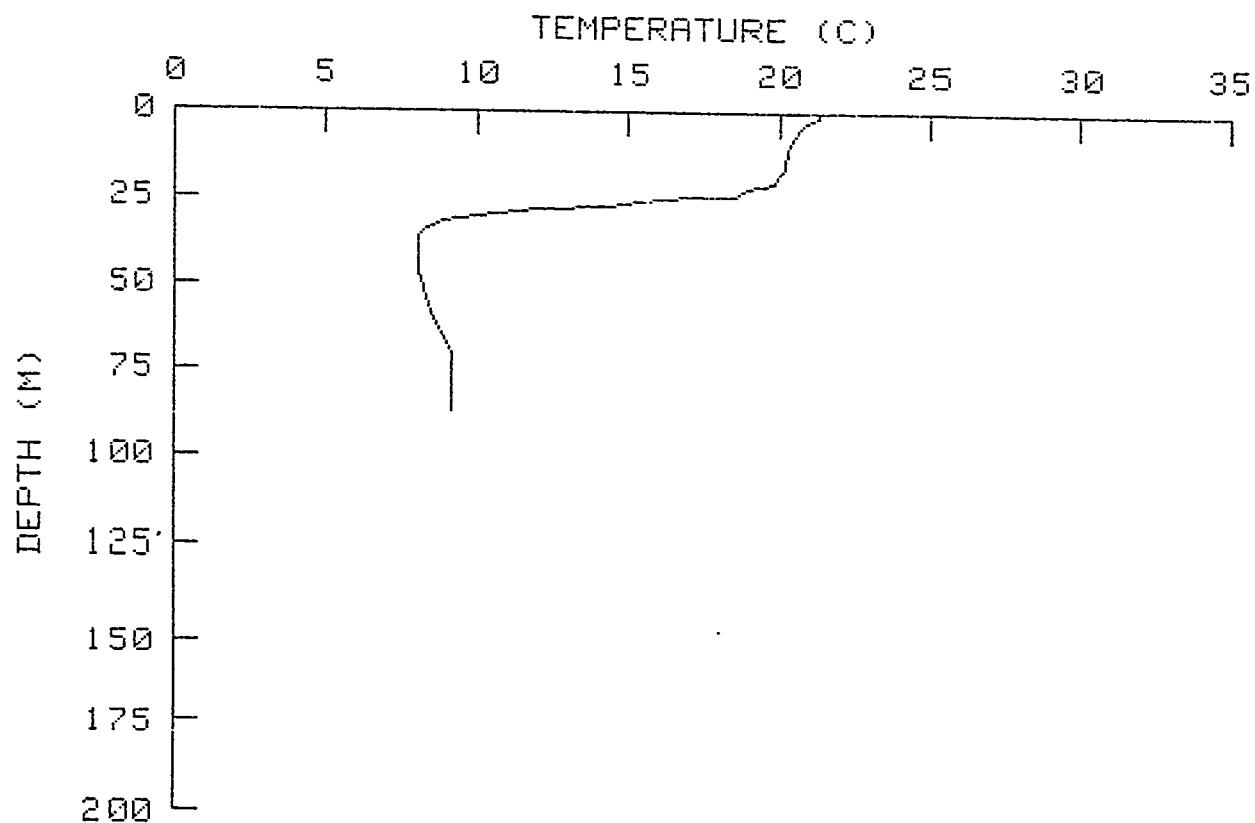
	0	1	2	3	4	5	6	7	8	9
0	21.65	21.35	21.04	20.74	20.62	20.50	20.44	20.40	20.36	20.32
10	20.27	20.25	20.25	20.25	20.25	20.25	20.12	19.94	19.77	19.59
20	19.42	19.23	19.01	18.76	18.47	18.18	17.87	17.49	17.11	16.53
30	15.90	15.20	14.57	14.30	14.09	14.01	13.92	13.68	13.39	13.04
40	12.68	12.17	11.62	11.37	11.14	10.90	10.74	10.58	10.54	10.54
50	10.54	10.54	10.54	10.54	10.54	10.64	10.75	10.83	10.90	10.91
60	10.93	10.94	10.95	10.97	10.99	11.02	11.04	11.07	11.09	11.12
70	11.14	11.15	11.16	11.17	11.17	11.21	11.32	11.43	11.53	11.65
80	11.80	11.95	12.03	12.09	12.13	12.13	12.13	12.13	12.13	12.12
90	12.08	12.05	12.01	11.97	11.94	11.91	11.91	11.91	11.91	11.91
100	11.91	11.91	11.91	11.91	11.91	11.91	11.91	11.91	11.91	11.91
110	11.91	11.92	11.91	11.89	11.87	11.86	11.84	11.83	11.83	11.83
120	11.83	11.83	11.83	11.83	11.83	11.83	11.83	11.83	11.83	11.83
130	11.83	11.83	11.83	11.82	11.82	11.82	11.82	11.81	11.81	11.81
140	11.81	11.80	11.80	11.80	11.79	11.79	11.79	11.79	11.78	11.78
150	11.78	11.78	11.77	11.77	11.77	11.76	11.76	11.76	11.76	11.75
160	11.75	11.75	11.75	11.74	11.74	11.74	11.73	11.73	11.73	11.73
170	11.72	11.72	11.72	11.72	11.72	11.71	11.71	11.71	11.71	11.70
180	11.70	11.70	11.70	11.69	11.69	11.69	11.69	11.68	11.68	11.68
190	11.68	11.67	11.67	11.67	11.67	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 020X DATE 26 AUG 80 TIME 0215 LAT 39-59.3N LON 71-45.0W DEPTH(M) 92 SST(C) 21.6



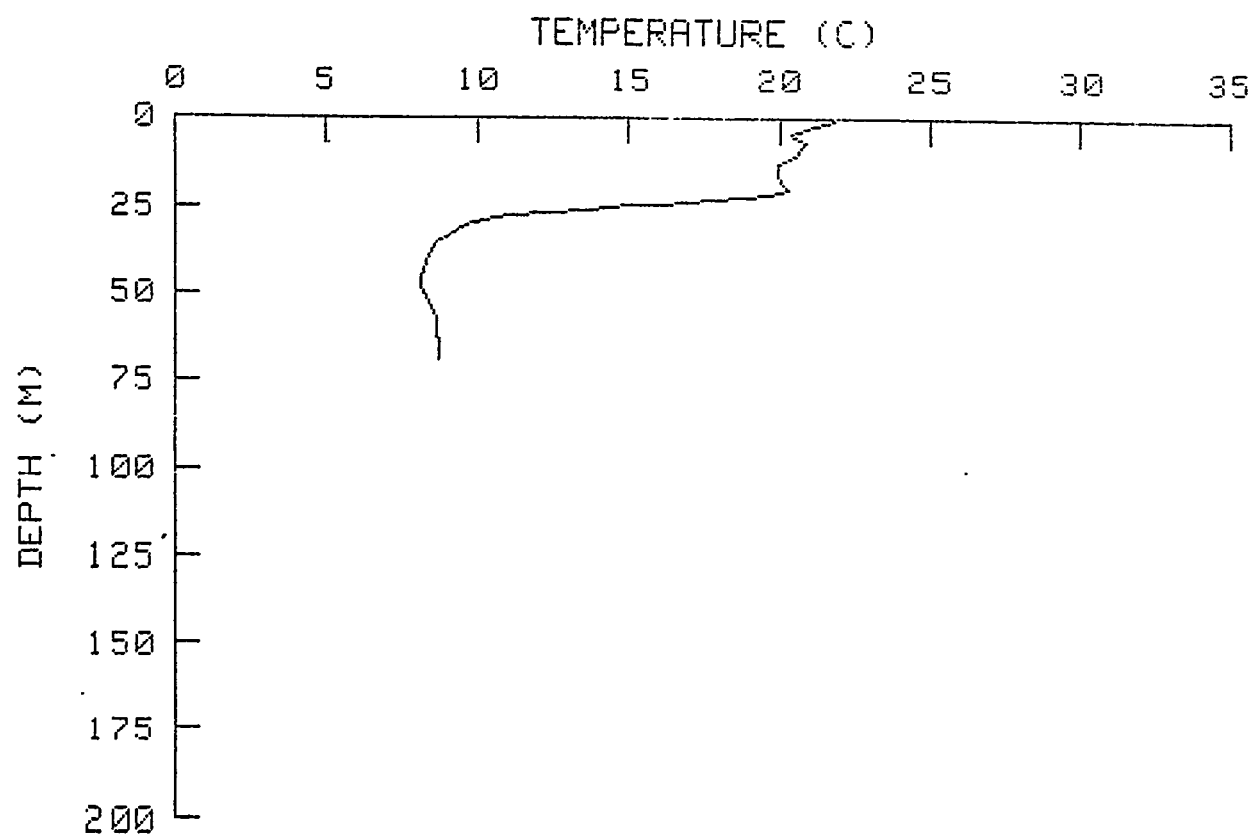
	0	1	2	3	4	5	6	7	8	9
0	21.25	20.89	20.55	20.40	20.35	20.30	20.26	20.16	20.07	19.98
10	19.92	19.90	19.87	19.85	19.82	19.79	19.76	19.73	19.75	19.76
20	19.77	19.78	19.78	19.75	19.72	19.69	19.65	19.36	18.75	17.71
30	15.58	15.58	14.67	13.57	12.85	12.07	11.53	11.06	9.93	9.56
40	9.25	9.09	9.03	9.13	9.14	8.82	8.45	8.21	8.25	8.30
50	8.40	8.52	8.65	8.78	8.91	9.04	9.17	9.30	9.30	9.26
60	9.24	9.25	9.25	9.27	9.62	9.86	10.07	10.35	10.82	11.38
70	12.01	11.95	11.84	11.61	11.48	11.40	11.34	11.30	11.26	11.22
80	11.27	11.34	11.40	11.47	11.51	11.54	11.57	11.60	11.63	11.66
90	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 021X DATE 26 AUG 80 TIME 0245 LAT 40-09.9N LON 71-47.0W DEPTH(M) 85 SST(C) 21.6



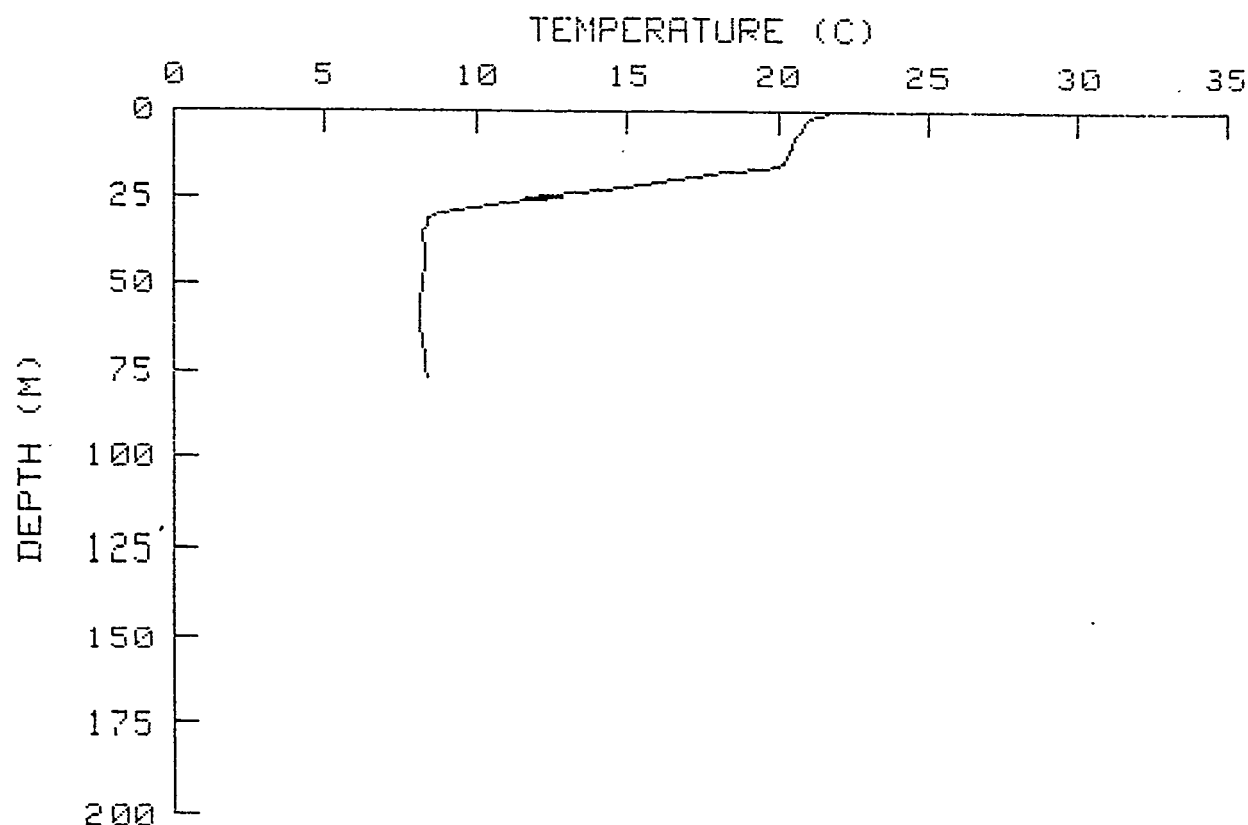
	0	1	2	3	4	5	6	7	8	9
0	21.36	21.36	21.36	21.00	20.79	20.68	20.61	20.54	20.48	20.41
10	20.36	20.31	20.27	20.25	20.23	20.22	20.21	20.15	20.03	19.98
20	19.93	19.72	19.18	18.83	18.64	16.90	15.54	14.57	13.02	11.27
30	10.21	9.55	8.89	8.60	8.35	8.22	8.11	8.10	8.10	8.10
40	8.10	8.10	8.10	8.10	8.10	8.10	8.10	8.13	8.16	8.19
50	8.22	8.26	8.29	8.32	8.35	8.38	8.41	8.44	8.47	8.50
60	8.54	8.57	8.63	8.68	8.74	8.80	8.85	8.91	8.96	9.02
70	9.08	9.13	9.13	9.13	9.13	9.13	9.13	9.13	9.13	9.13
80	9.13	9.13	9.13	9.13	9.13	9.13	9.13	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 022X 26 AUG 80 0315 40-08.5N 71-48.9W 72 22.2



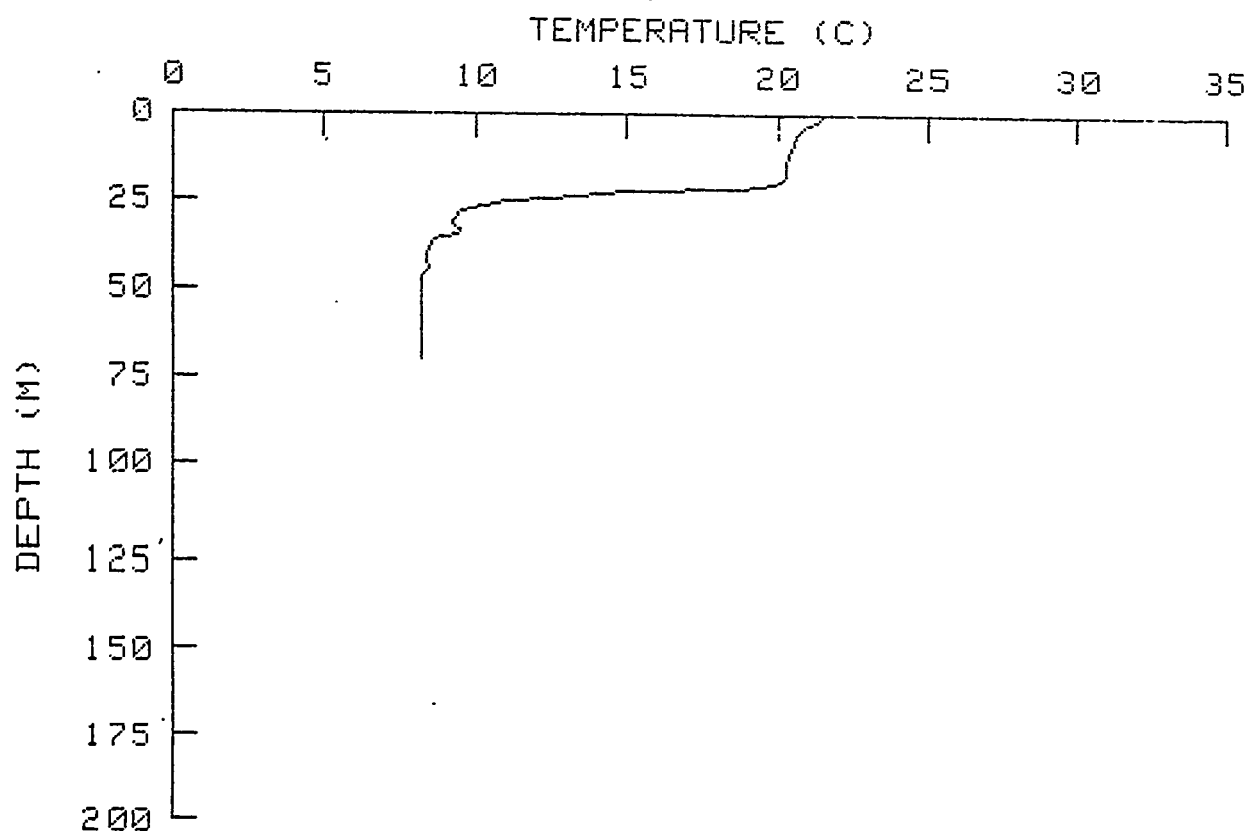
	0	1	2	3	4	5	6	7	8	9
0	-	-	21.53	21.12	20.66	20.51	20.71	20.85	20.77	20.67
10	20.58	20.42	20.16	19.97	19.97	19.97	19.97	20.03	20.10	20.17
20	20.26	20.09	19.61	18.31	16.62	14.84	13.33	11.39	10.58	10.09
30	9.78	9.55	9.33	9.12	8.96	8.81	8.67	8.60	8.52	8.45
40	8.39	8.36	8.32	8.28	8.25	8.22	8.19	8.18	8.18	8.19
50	8.22	8.26	8.29	8.37	8.45	8.52	8.58	8.64	8.68	8.69
60	8.70	8.70	8.71	8.71	8.72	8.72	8.73	8.73	8.74	8.74
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 023X 26 AUG 80 0345 40-12.8N 71-50.6W 78 20.8



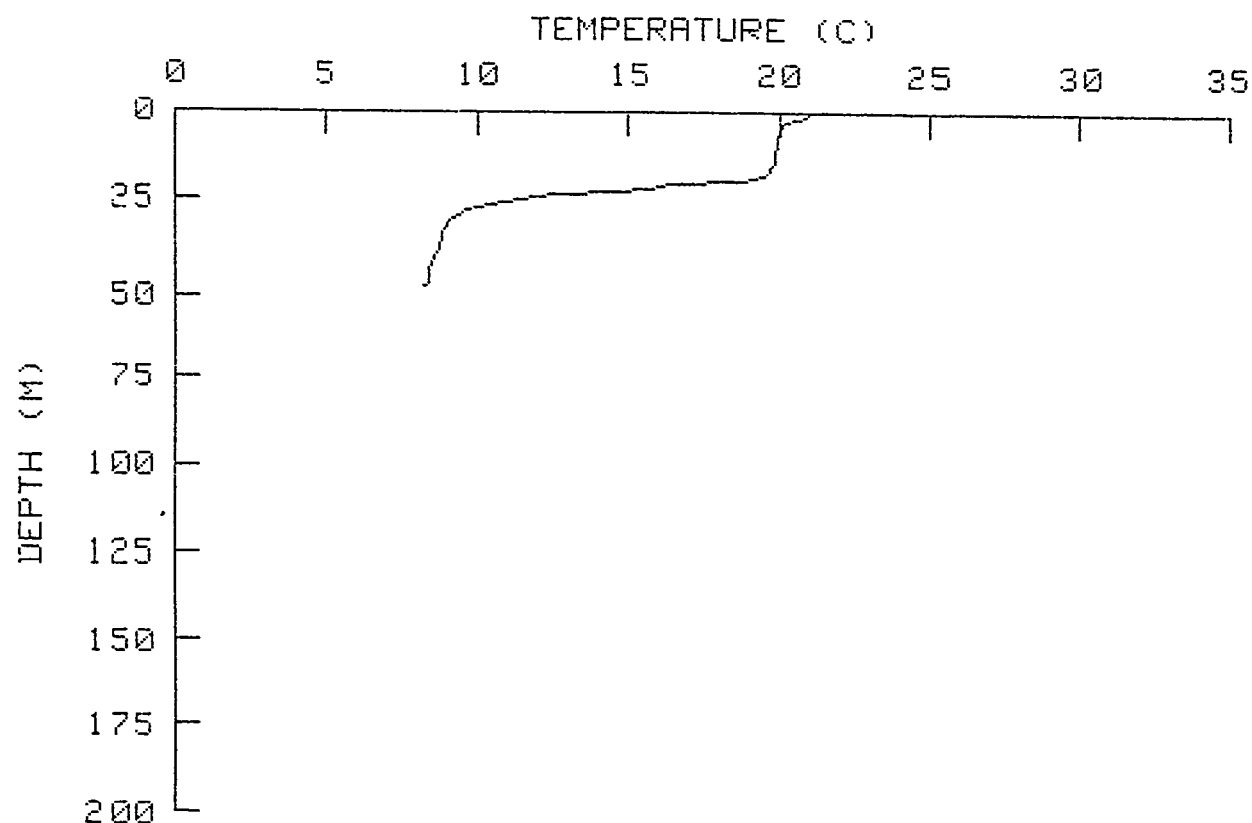
	0	1	2	3	4	5	6	7	8	9
0	-	21.70	21.39	21.06	20.95	20.86	20.78	20.70	20.63	20.56
10	20.51	20.45	20.40	20.34	20.30	20.26	20.03	19.53	18.42	17.65
20	16.91	15.99	14.95	14.07	13.00	11.67	11.83	10.67	10.09	9.48
30	8.86	8.51	8.42	8.39	8.31	8.24	8.22	8.21	8.27	8.33
40	8.35	8.35	8.34	8.32	8.30	8.28	8.27	8.26	8.24	8.23
50	8.22	8.22	8.21	8.20	8.19	8.18	8.18	8.17	8.17	8.17
60	8.17	8.17	8.17	8.17	8.18	8.21	8.24	8.26	8.28	8.29
70	8.31	8.33	8.35	8.35	8.35	8.36	8.38	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 024X DATE 26 AUG 80 TIME 0417 LAT 40-17.5N LON 71-52.7W DEPTH(M) 72 SST(C) 21.0



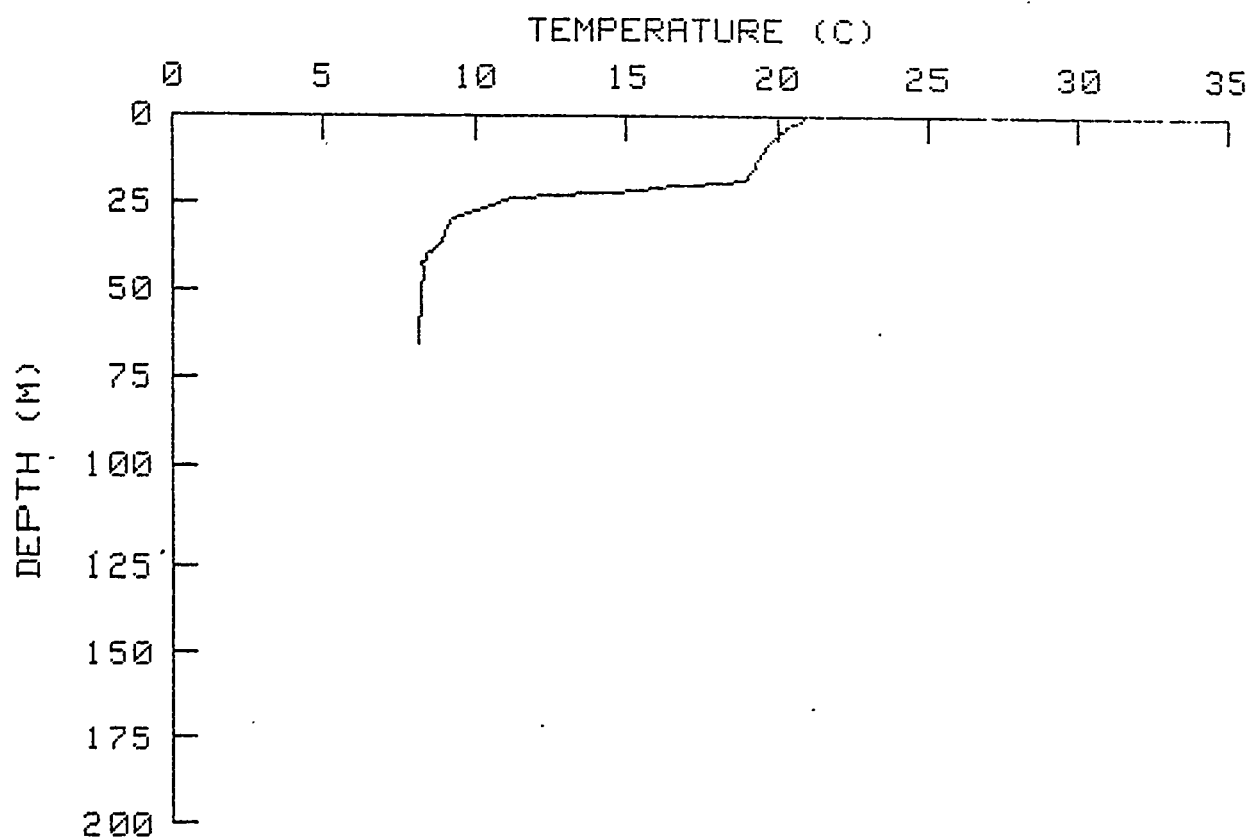
	0	1	2	3	4	5	6	7	8	9
0	-	21.44	21.38	21.14	20.93	20.79	20.71	20.65	20.59	20.53
10	20.48	20.43	20.38	20.34	20.32	20.30	20.29	20.29	20.26	20.13
20	20.00	19.07	16.68	14.33	12.75	11.67	10.78	10.02	9.59	9.47
30	9.39	9.30	9.31	9.47	9.50	9.14	8.76	8.59	8.51	8.44
40	8.39	8.40	8.41	8.42	8.51	8.43	8.30	8.24	8.21	8.20
50	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
60	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
70	8.20	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 025X DATE 26 AUG 80 TIME 0445 LAT 40-22.6N LON 71-54.8W DEPTH(M) 67 SST(C) 21.6



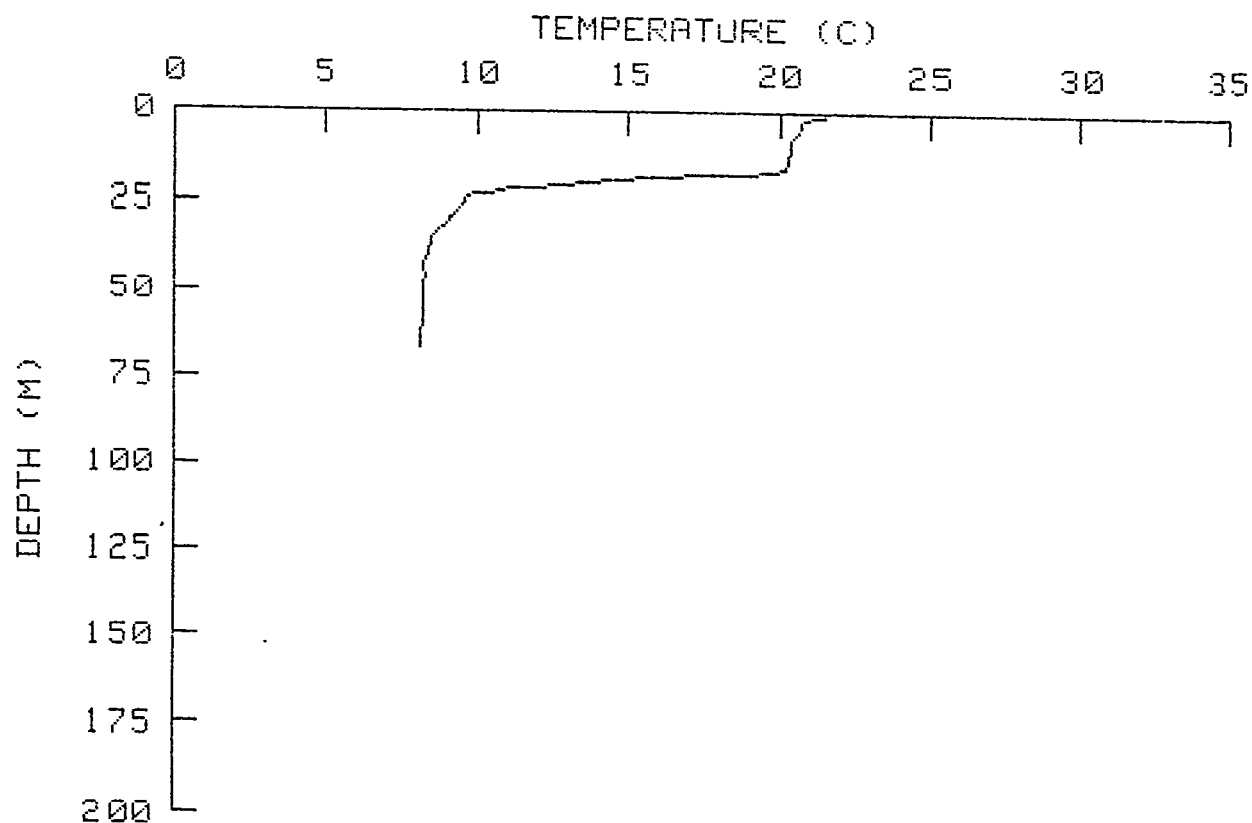
	0	1	2	3	4	5	6	7	8	9
0	-	20.93	20.65	20.24	20.15	20.09	20.05	20.02	19.98	19.97
10	19.95	19.93	19.92	19.90	19.88	19.86	19.80	19.74	19.64	19.53
20	18.97	16.62	15.82	14.44	12.44	11.59	10.84	10.17	9.66	9.48
30	9.31	9.16	9.06	8.96	8.86	8.85	8.84	8.80	8.76	8.71
40	8.64	8.56	8.51	8.48	8.46	8.45	8.45	8.31	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 026X DATE 26 AUG 80 TIME 0500 LAT 40-25.0N LON 71-55.7W DEPTH(M) 69 SST(C) 21.1



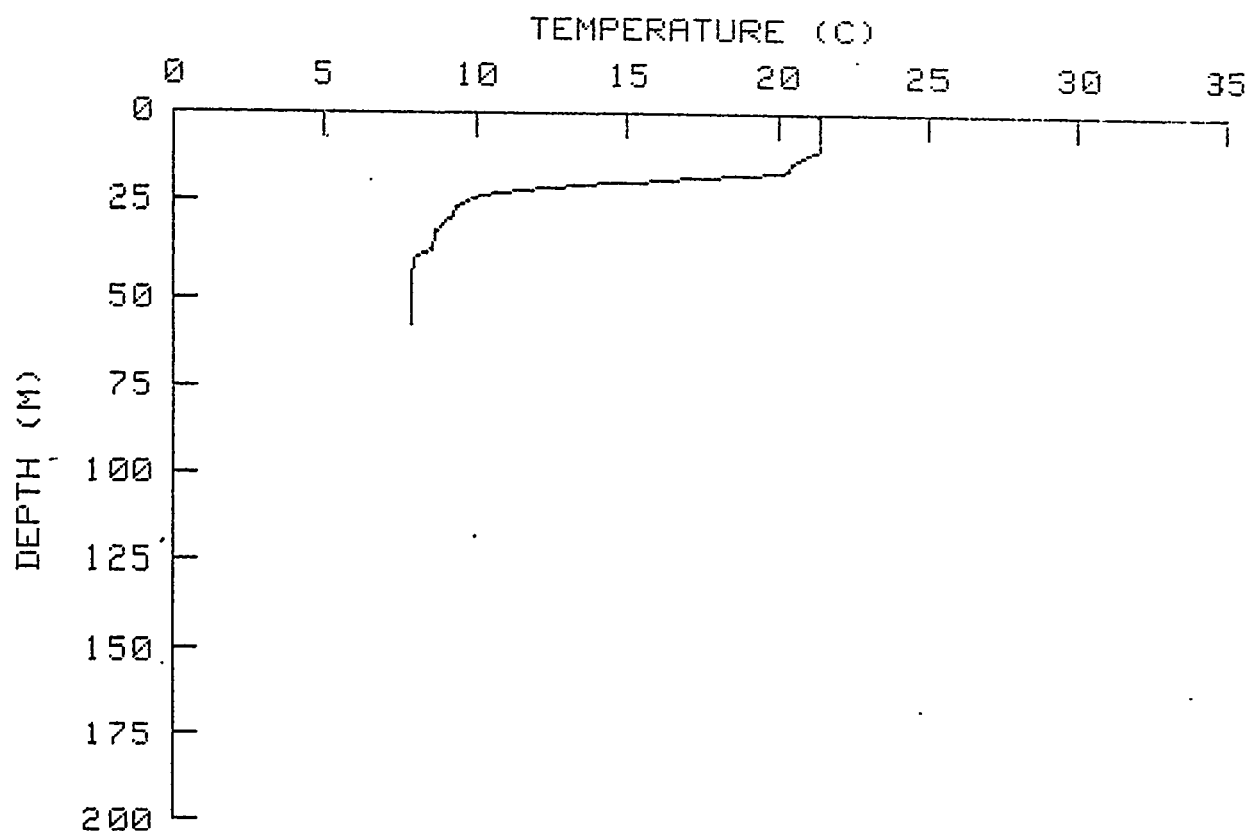
	0	1	2	3	4	5	6	7	8	9
0	-	20.89	20.77	20.37	20.29	20.08	20.00	19.88	19.71	19.52
10	19.56	19.51	19.45	19.37	19.30	19.23	19.14	19.09	19.00	18.45
20	17.12	16.03	14.47	12.58	11.27	10.70	10.47	10.11	9.75	9.49
30	9.24	9.21	9.09	9.05	9.02	8.99	8.95	8.82	8.69	8.55
40	8.42	8.38	8.29	8.27	8.28	8.29	8.30	8.28	8.27	8.25
50	8.23	8.23	8.22	8.22	8.22	8.21	8.21	8.20	8.20	8.20
60	8.19	8.19	8.19	8.18	8.18	8.17	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 027X DATE 26 AUG 80 TIME 0637 LAT 40-16.0N LON 71-54.0W DEPTH(M) 70 SST(C) 21.7



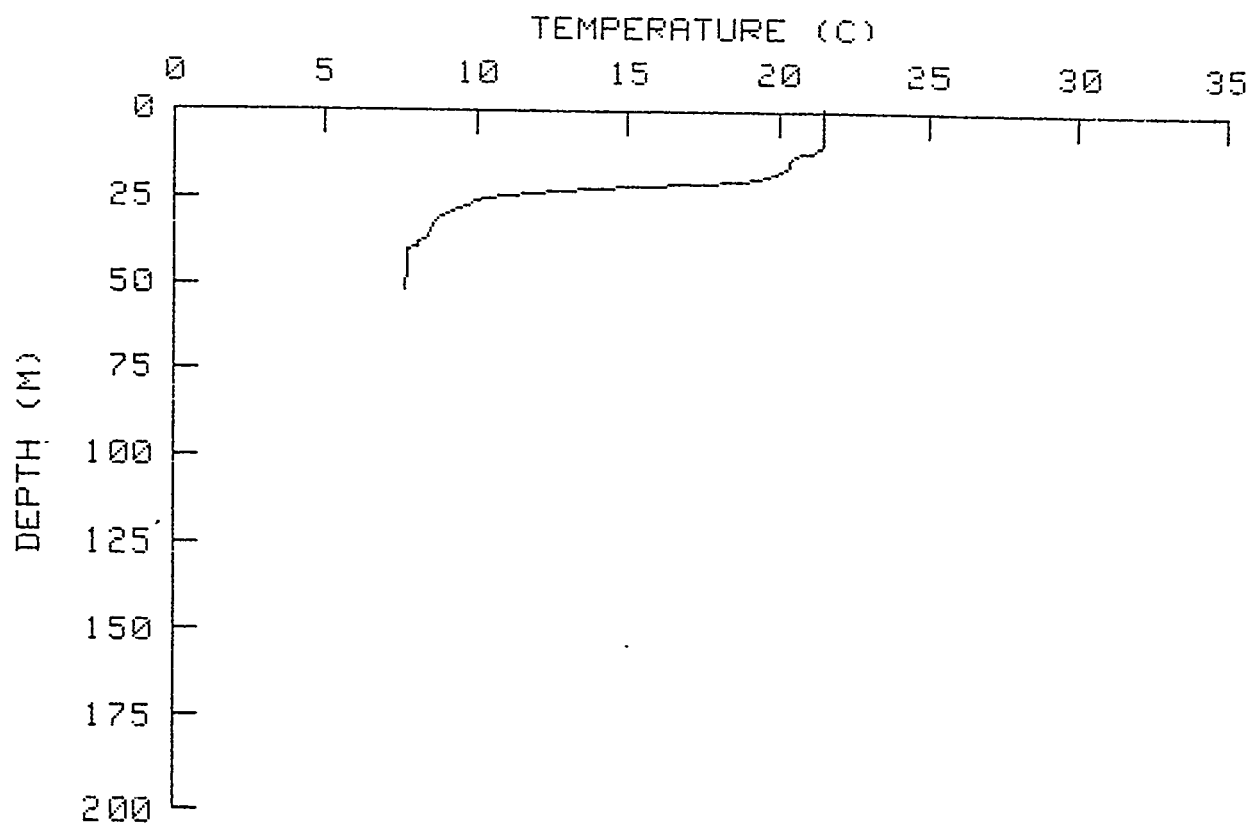
	0	1	2	3	4	5	6	7	8	9
0	-	21.51	21.13	20.83	20.76	20.68	20.66	20.56	20.48	20.42
10	20.39	20.37	20.35	20.33	20.32	20.32	20.21	19.56	18.93	15.15
20	13.97	12.79	11.02	10.30	9.70	9.61	9.53	9.40	9.21	9.12
30	9.11	8.98	8.77	8.66	8.57	8.47	8.44	8.41	8.37	8.35
40	8.32	8.30	8.27	8.27	8.27	8.32	8.33	8.31	8.28	8.20
50	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.19
60	8.19	8.18	8.17	8.17	8.16	8.16	8.15	8.15	8.15	8.15
70	8.15	8.15	8.15	8.15	8.15	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 028X DATE 29 AUG 80 TIME 0001 LAT 40-13.8N LON 72-22.1W DEPTH(M) 60 SST(C) 21.4



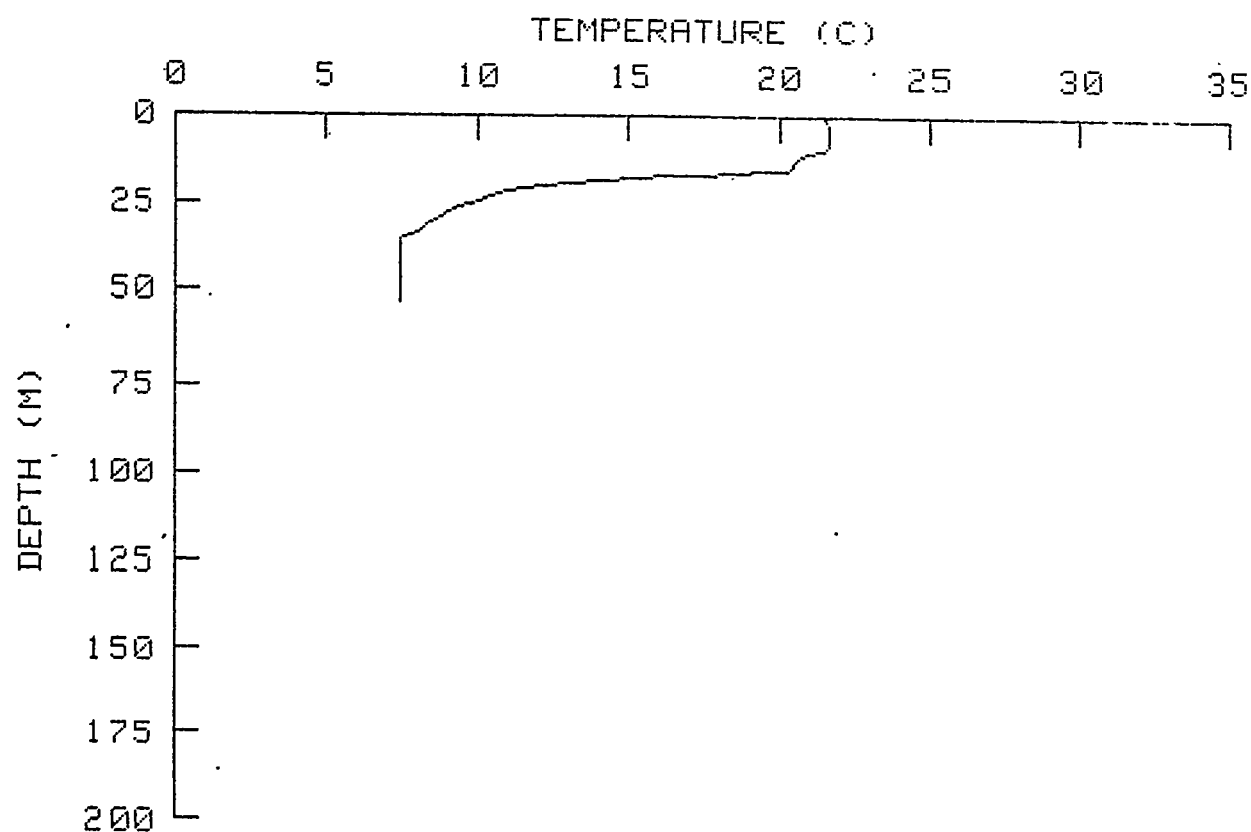
	0	1	2	3	4	5	6	7	8	9
0	-	21.35	21.38	21.39	21.40	21.41	21.42	21.42	21.42	21.42
10	21.42	21.35	21.09	20.80	20.50	20.41	20.38	20.25	19.82	16.88
20	15.03	13.23	11.94	11.05	10.28	9.76	9.50	9.31	9.29	9.20
30	9.04	8.92	8.80	8.67	8.62	8.60	8.57	8.46	8.19	8.04
40	7.99	7.96	7.95	7.93	7.92	7.91	7.90	7.90	7.89	7.89
50	7.88	7.88	7.87	7.87	7.87	7.87	7.87	7.87	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 029X DATE 29 AUG 90 TIME 0030 LAT 40-12.6N LON 72-26.0W DEPTH(M) 59 SST(C) 21.5



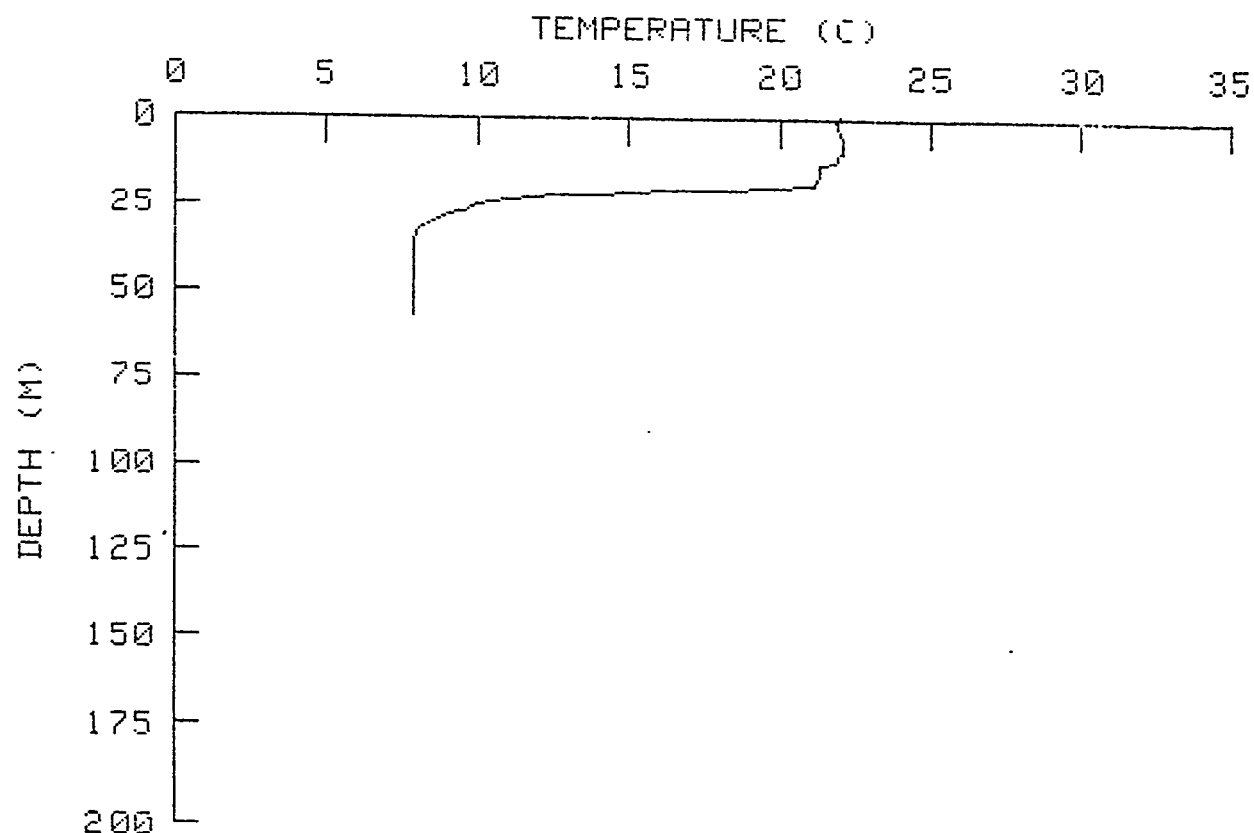
	0	1	2	3	4	5	6	7	8	9
0	21.50	21.49	21.50	21.50	21.50	21.50	21.49	21.49	21.49	21.49
10	21.48	21.33	21.00	20.54	20.44	20.41	20.35	20.22	19.98	19.53
20	18.86	16.78	14.50	12.56	11.40	10.57	9.95	9.81	9.55	9.20
30	8.83	8.71	8.63	8.61	8.56	8.47	8.41	8.30	8.12	8.04
40	7.79	7.70	7.68	7.68	7.68	7.68	7.68	7.68	7.67	7.67
50	7.67	7.67	7.67	7.67	7.67	7.67	7.66	7.66	7.66	7.66
60	7.66	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 030X 29 AUG 80 0100 40-10.3N 72-35.3W 60 21.8



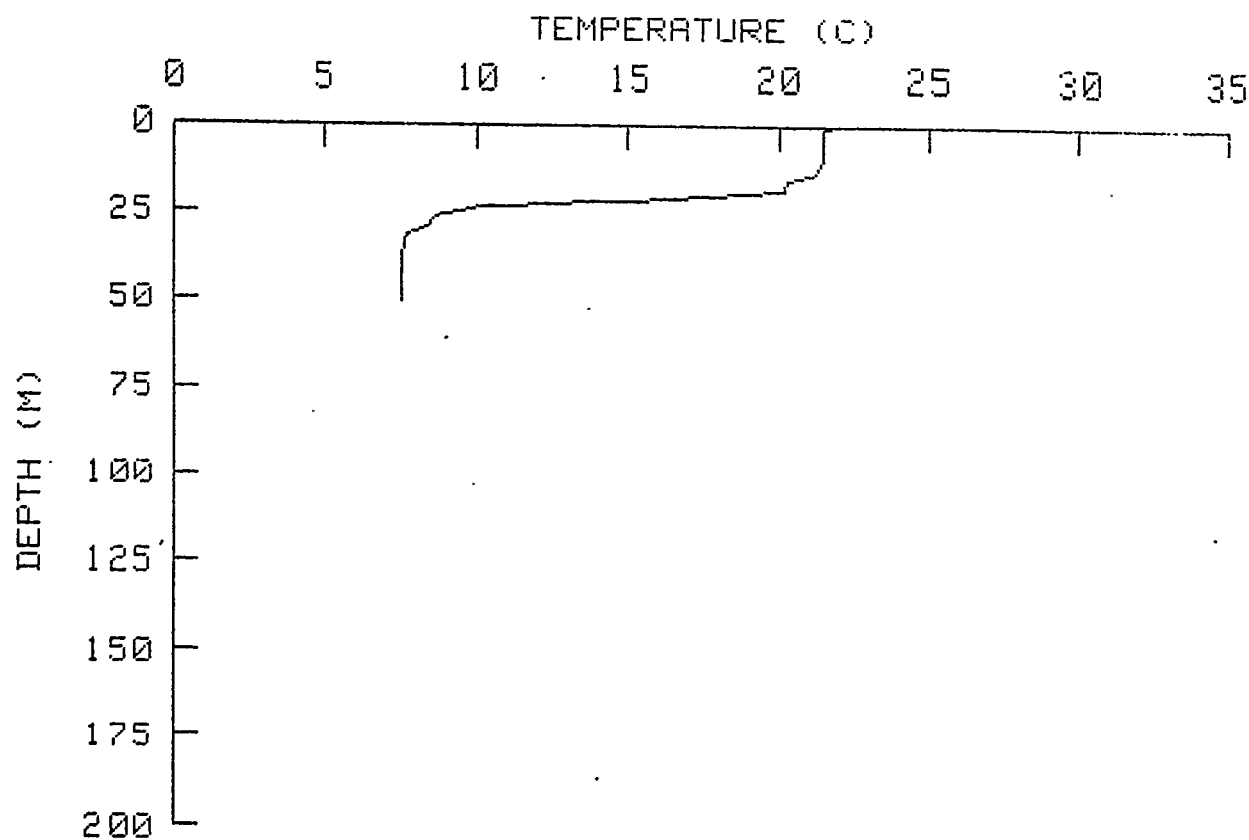
	0	1	2	3	4	5	6	7	8	9
0	21.50	21.54	21.61	21.64	21.68	21.69	21.69	21.70	21.68	21.59
10	21.38	20.83	20.62	20.53	20.49	20.39	19.14	17.14	15.05	13.46
20	12.27	11.52	10.95	10.55	10.14	9.72	9.30	9.03	8.97	8.79
30	8.57	8.35	8.23	8.06	7.76	7.59	7.47	7.44	7.44	7.45
40	7.45	7.44	7.44	7.43	7.43	7.43	7.43	7.43	7.43	7.43
50	7.43	7.43	7.43	7.43	7.43	7.43	7.43	7.43	7.43	7.43
60	7.43	7.43	7.43	7.44	7.44	7.44	7.44	7.44	7.44	7.44
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 031X 29 AUG 00 0130 40-09.6N 72-42.5W 57 21.8



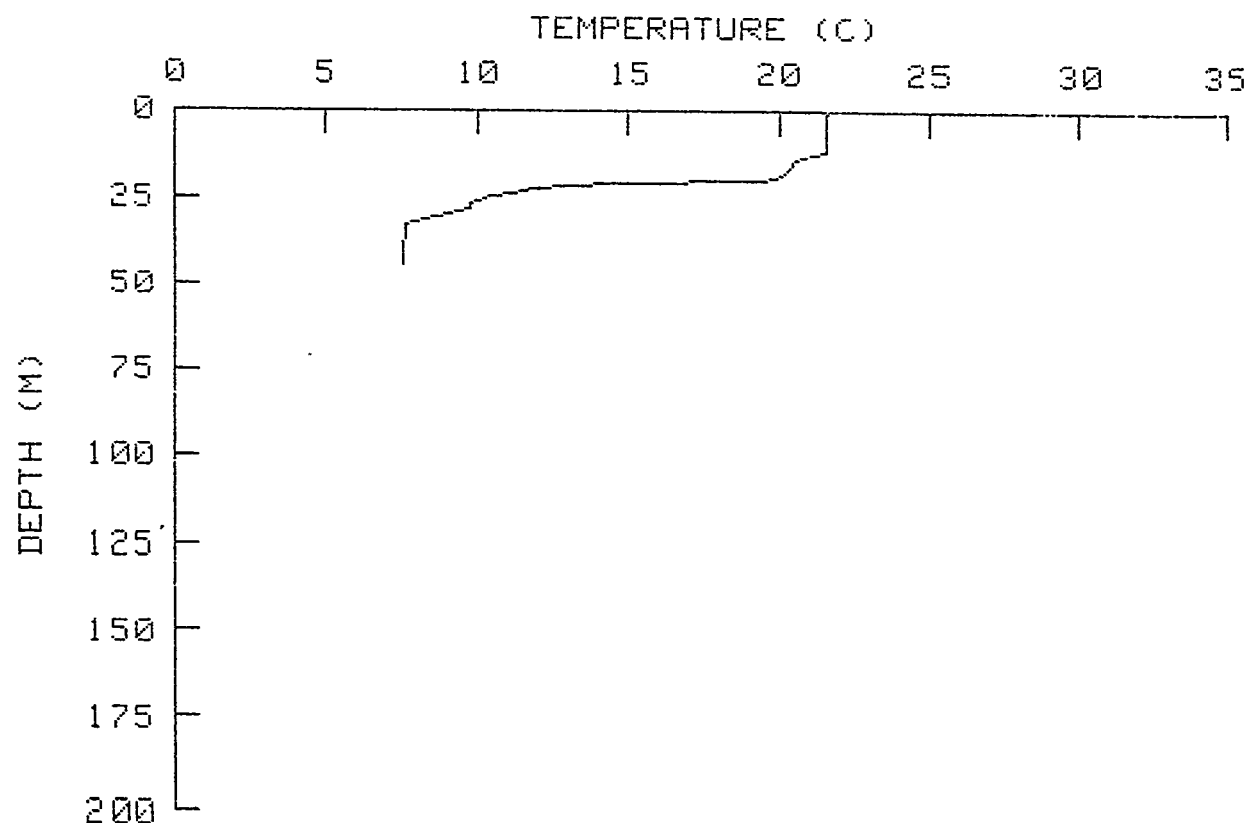
	0	1	2	3	4	5	6	7	8	9
0	21.97	21.82	21.88	21.96	22.05	22.06	22.08	22.08	22.08	22.07
10	21.96	21.95	21.81	21.40	21.29	21.29	21.29	21.28	21.27	21.18
20	19.73	17.17	14.38	12.24	11.16	10.29	9.78	9.57	9.23	8.91
30	8.69	8.43	8.16	8.03	7.98	7.94	7.91	7.90	7.89	7.88
40	7.87	7.87	7.86	7.86	7.86	7.86	7.86	7.86	7.86	7.86
50	7.86	7.86	7.86	7.86	7.86	7.86	7.86	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 032X DATE 29 AUG 80 TIME 0200 LAT 40-08.0N LON 72-49.3W DEPTH(M) 54 SST(C) 21.2



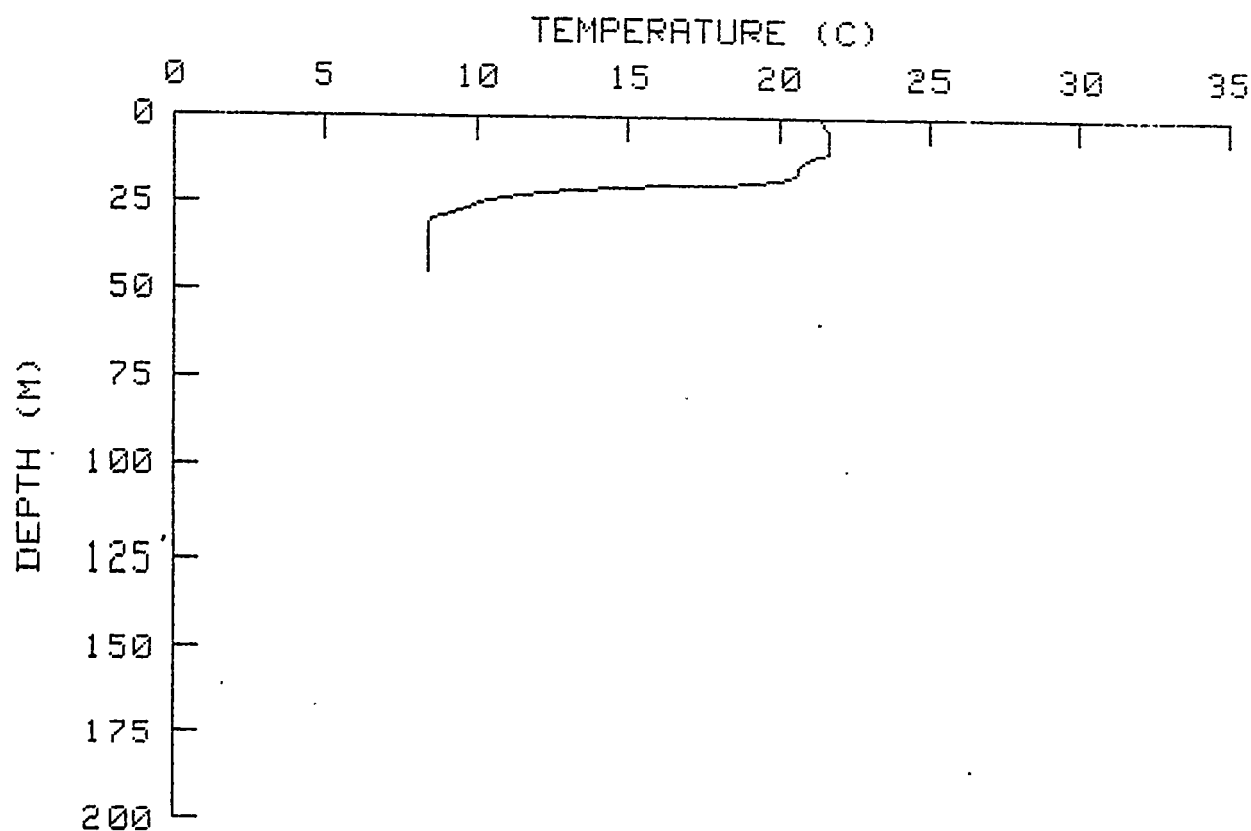
	0	1	2	3	4	5	6	7	8	9
0	-	-	21.51	21.50	21.51	21.53	21.53	21.53	21.52	21.52
10	21.52	21.47	21.45	21.38	21.26	20.99	20.57	20.26	20.22	20.19
20	19.60	17.98	15.54	12.33	10.12	9.38	8.95	8.62	8.53	8.47
30	8.28	7.93	7.70	7.67	7.64	7.63	7.62	7.60	7.59	7.59
40	7.58	7.58	7.58	7.57	7.57	7.56	7.56	7.56	7.55	7.55
50	7.54	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 033X DATE 29 AUG 80 TIME 0241 LAT 40-07.8N LON 72-58.8W DEPTH(M) 46 SST(C) 21.7



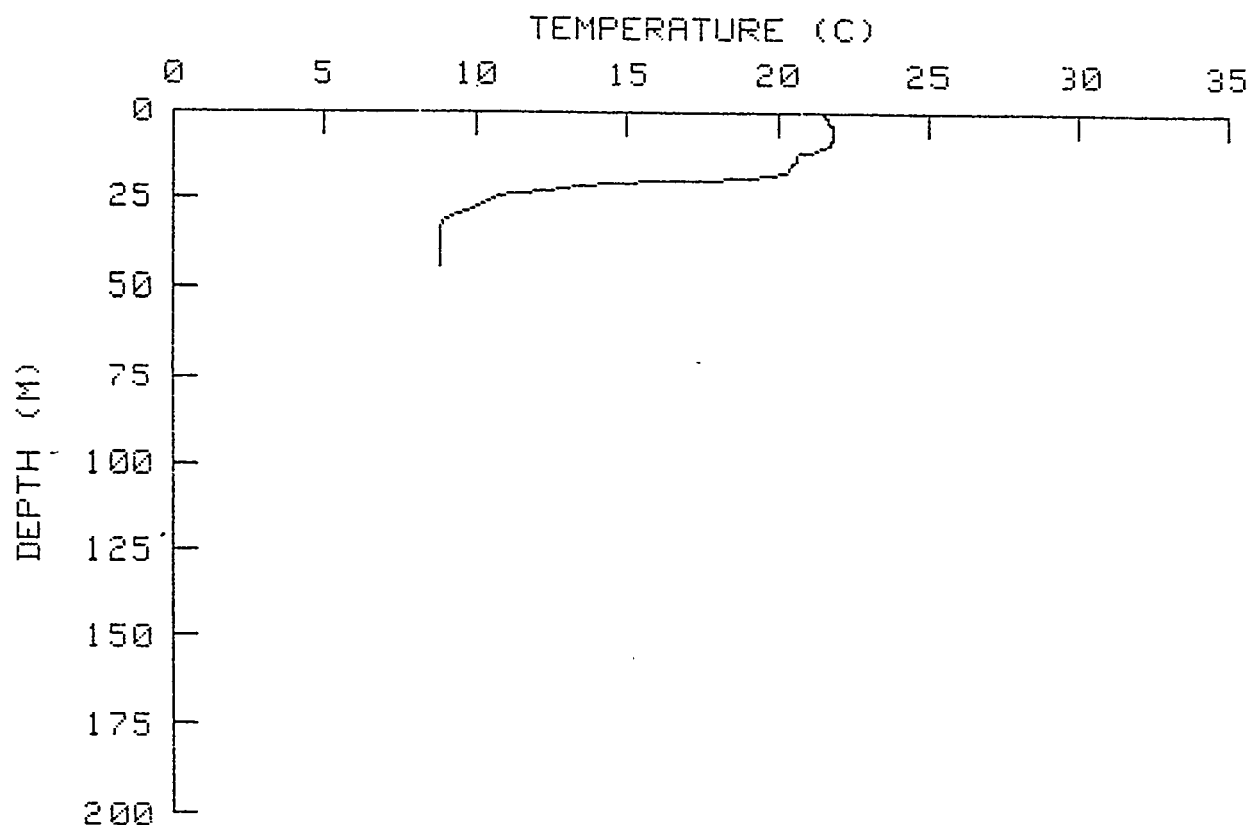
	0	1	2	3	4	5	6	7	8	9
0	-	21.63	21.55	21.55	21.55	21.56	21.56	21.56	21.56	21.55
10	21.55	21.54	21.54	21.09	20.64	20.50	20.43	20.30	20.22	20.02
20	18.87	15.11	12.92	11.55	10.84	10.34	10.02	9.82	9.76	9.38
30	8.79	8.22	7.83	7.64	7.64	7.64	7.62	7.60	7.58	7.56
40	7.56	7.56	7.56	7.56	7.57	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 034X DATE 29 AUG 80 TIME 0300 LAT 40-07.4N LON 73-03.6W DEPTH(M) 45 SST(C) 21.5



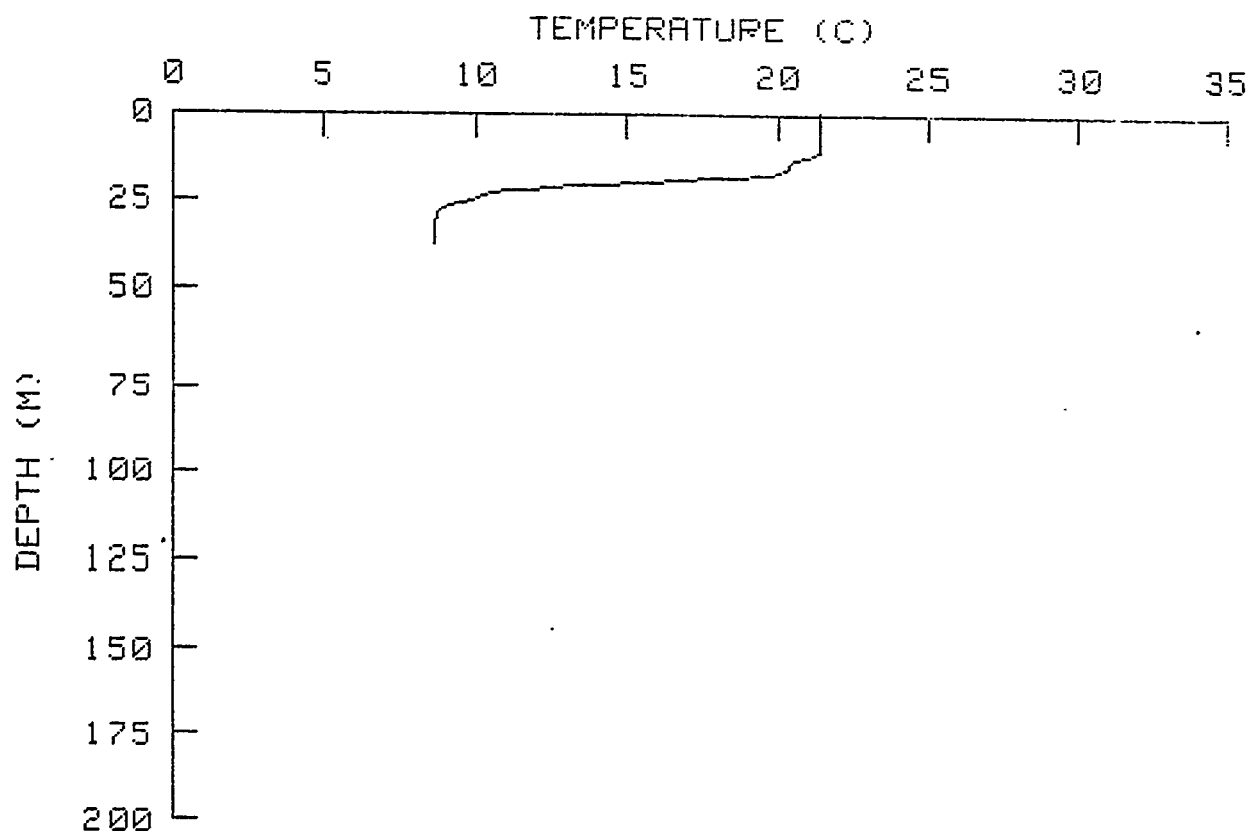
	0	1	2	3	4	5	6	7	8	9
0	21.78	21.37	21.49	21.59	21.62	21.64	21.66	21.68	21.68	21.68
10	21.68	21.39	21.02	20.82	20.74	20.70	20.67	20.55	20.40	19.85
20	18.17	15.18	13.02	11.71	10.75	10.16	9.88	9.68	9.38	8.79
30	8.51	8.47	8.43	8.39	8.37	8.37	8.37	8.37	8.37	8.37
40	8.37	8.37	8.37	8.37	8.37	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 035X 29 AUG 80 0330 40-07.1N 73-10.6W 46 21.0



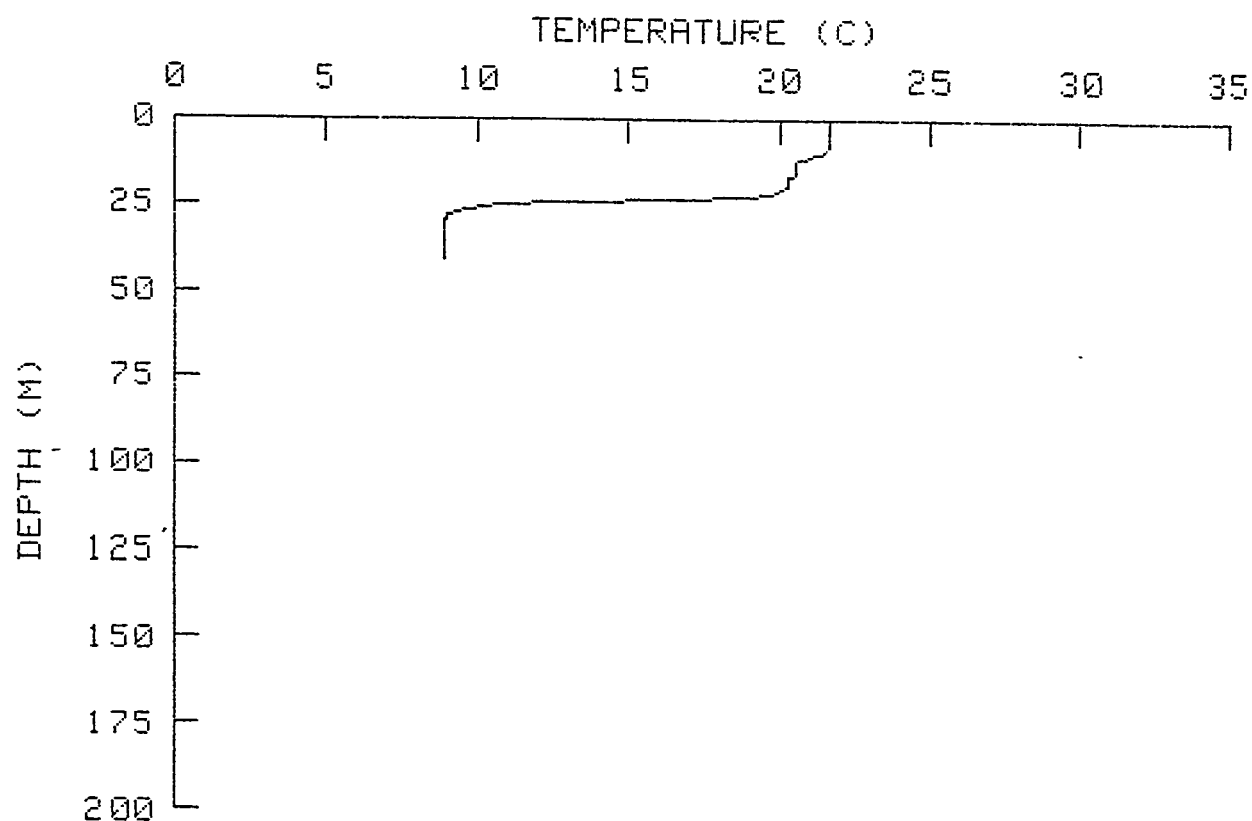
	0	1	2	3	4	5	6	7	8	9
0	-	21.53	21.63	21.65	21.78	21.85	21.86	21.86	21.86	21.75
10	21.69	21.35	20.96	20.67	20.60	20.51	20.43	20.38	20.20	19.51
20	17.02	14.67	13.09	12.26	11.16	10.70	10.43	10.23	9.92	9.69
30	9.29	9.00	8.96	8.92	8.87	8.83	8.82	8.82	8.82	8.83
40	8.82	8.82	8.81	8.81	8.80	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 036X DATE 29 AUG 80 TIME 0401 LAT 40-07.0N LON 73-17.8W DEPTH(M) 40 SST(C) 21.6



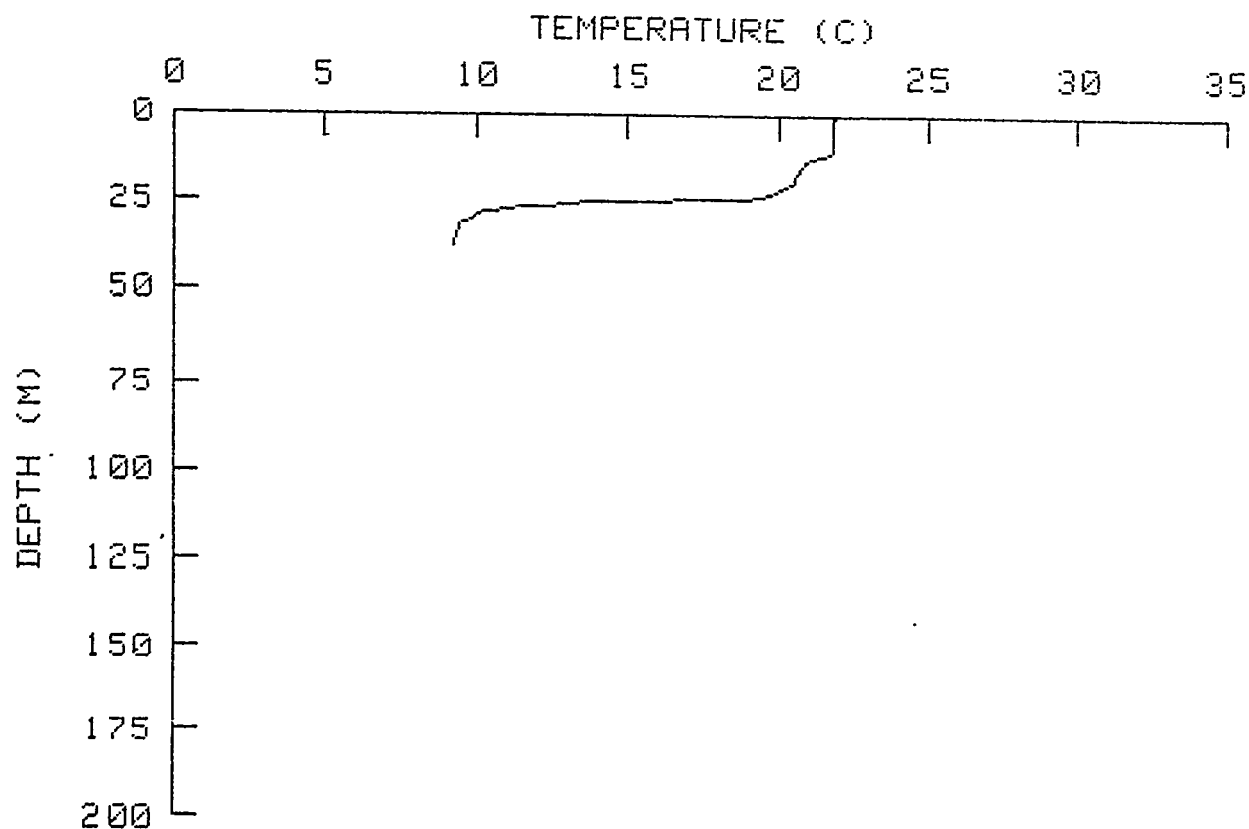
	0	1	2	3	4	5	6	7	8	9
0	21.43	21.43	21.42	21.41	21.40	21.40	21.40	21.41	21.41	21.41
10	21.41	21.41	21.29	20.97	20.52	20.43	20.31	20.10	19.72	17.45
20	15.17	13.15	11.78	10.79	10.26	10.00	9.54	9.04	8.82	8.78
30	8.75	8.67	8.67	8.67	8.67	8.67	8.66	8.65	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 037X 29 AUG 80 0430 40-07.1N 73-25.0W 42 21.8



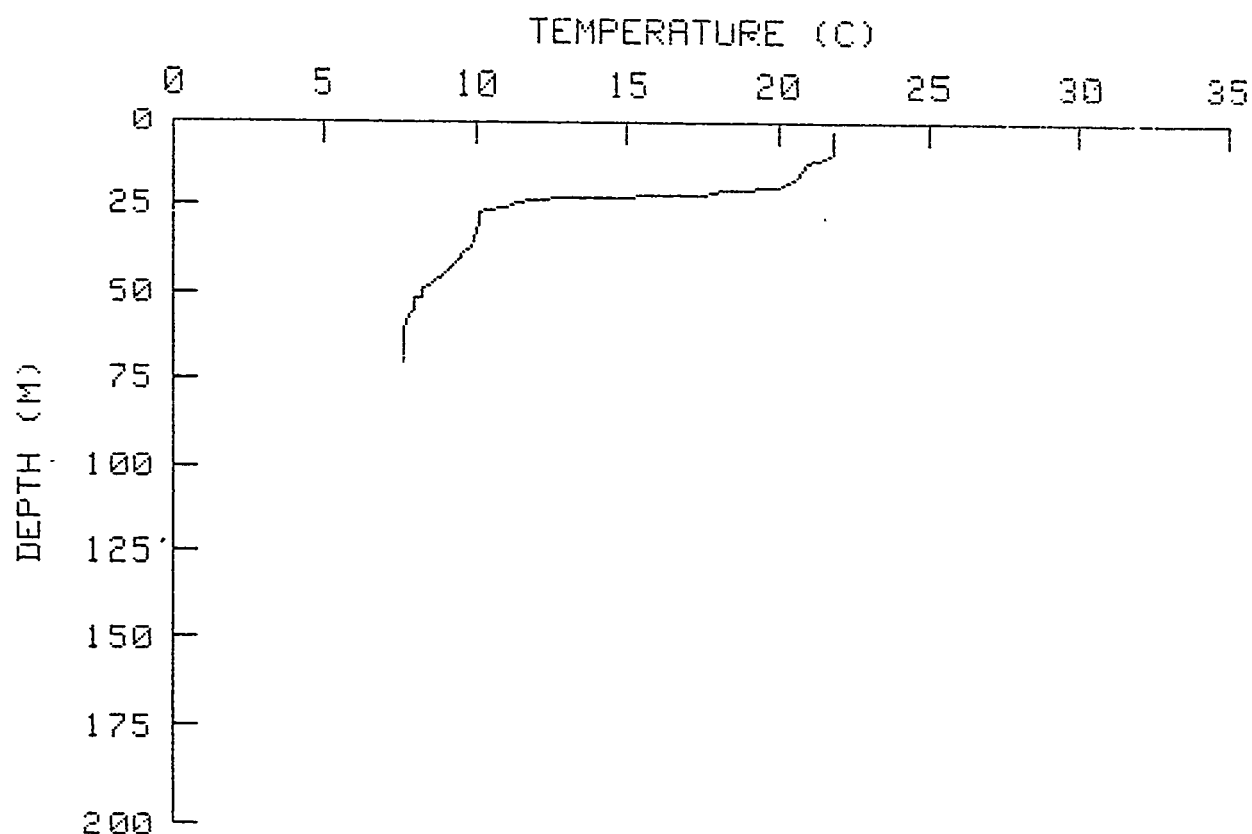
	0	1	2	3	4	5	6	7	8	9
0	-	21.65	21.65	21.65	21.65	21.65	21.65	21.65	21.65	21.61
10	21.50	21.18	20.69	20.57	20.52	20.52	20.52	20.38	20.32	20.30
20	20.26	20.08	19.76	18.64	15.15	11.50	10.37	9.51	9.12	9.00
30	8.92	8.91	8.90	8.89	8.89	8.89	8.89	8.89	8.89	8.89
40	8.89	8.89	8.89	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 038X DATE 29 AUG 80 TIME 0500 LAT 40-07.3N LON 73-32.3W DEPTH(M) 40 SST(C) 22.0



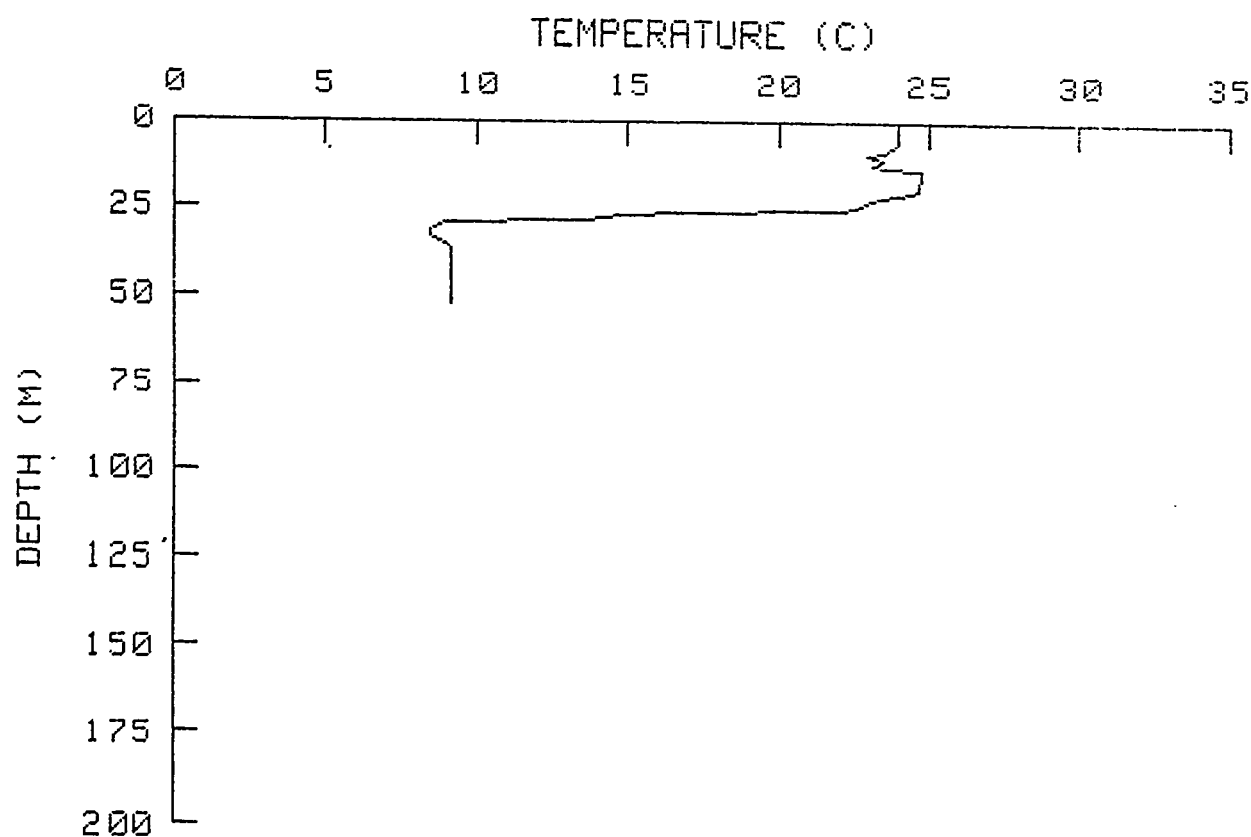
	0	1	2	3	4	5	6	7	8	9
0	-	21.82	21.82	21.81	21.81	21.80	21.80	21.80	21.80	21.80
10	21.80	21.75	21.54	21.15	20.87	20.79	20.73	20.66	20.53	20.54
20	20.39	20.20	19.97	19.68	19.42	16.73	13.27	11.48	10.47	10.07
30	9.84	9.69	9.48	9.43	9.37	9.33	9.31	9.29	9.26	9.26
40	9.27	9.27	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 039X 29 AUG 80 0545 40-07.2N 73-35.9W 71 22.1



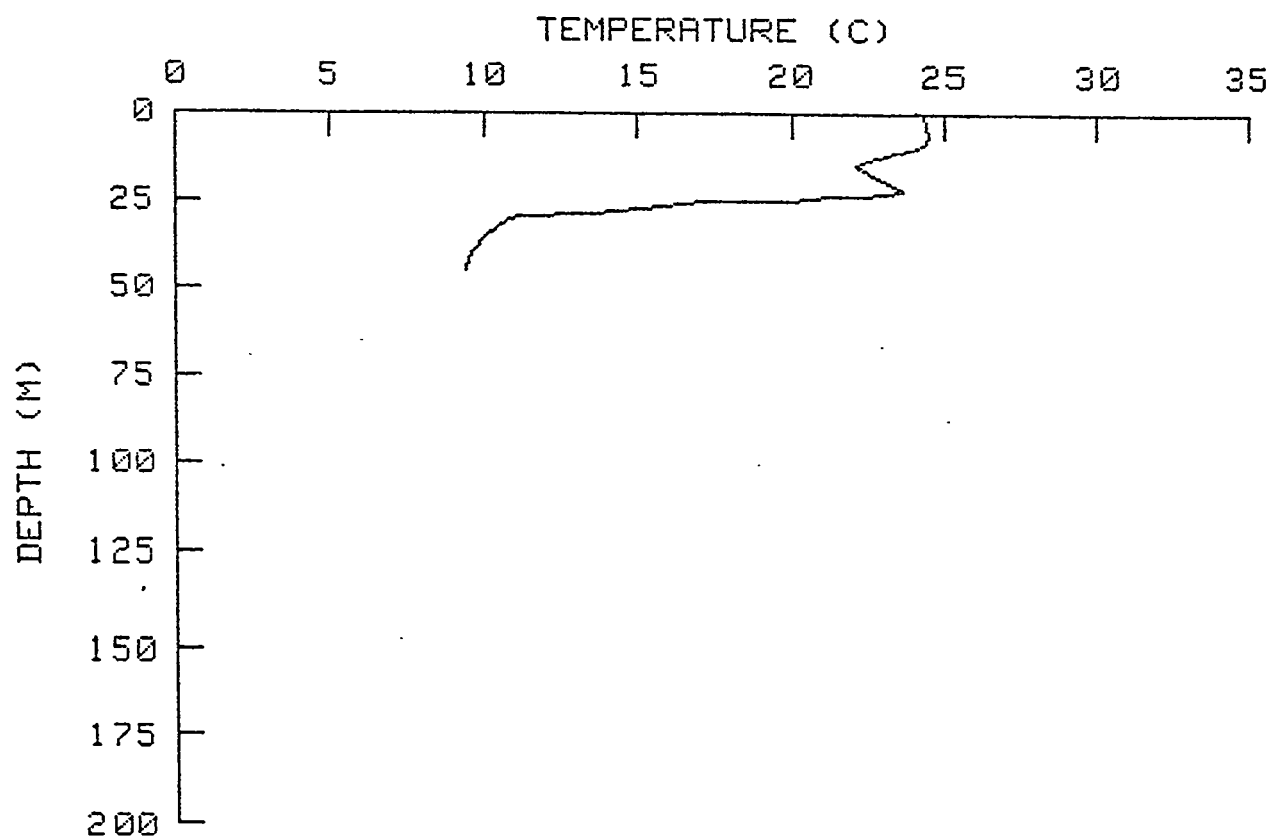
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	21.84	21.84	21.84	21.84	21.84	21.84	21.84
10	21.78	21.60	21.29	20.95	20.94	20.86	20.77	20.69	20.47	20.23
20	19.98	18.52	17.57	14.49	12.11	11.29	10.84	10.37	10.09	10.09
30	10.08	10.06	10.03	10.01	9.98	9.95	9.91	9.88	9.70	9.59
40	9.49	9.39	9.28	9.18	9.07	8.94	8.79	8.63	8.44	8.23
50	8.21	8.21	7.95	7.95	7.95	7.95	7.89	7.82	7.75	7.72
60	7.69	7.67	7.64	7.62	7.62	7.62	7.62	7.62	7.62	7.62
70	7.62	7.61	7.51	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 040X DATE 01 SEPT 80 TIME 0445 LAT 37-44.9N LON 74-36.0W DEPTH(M) 53 SST(C) 24.1



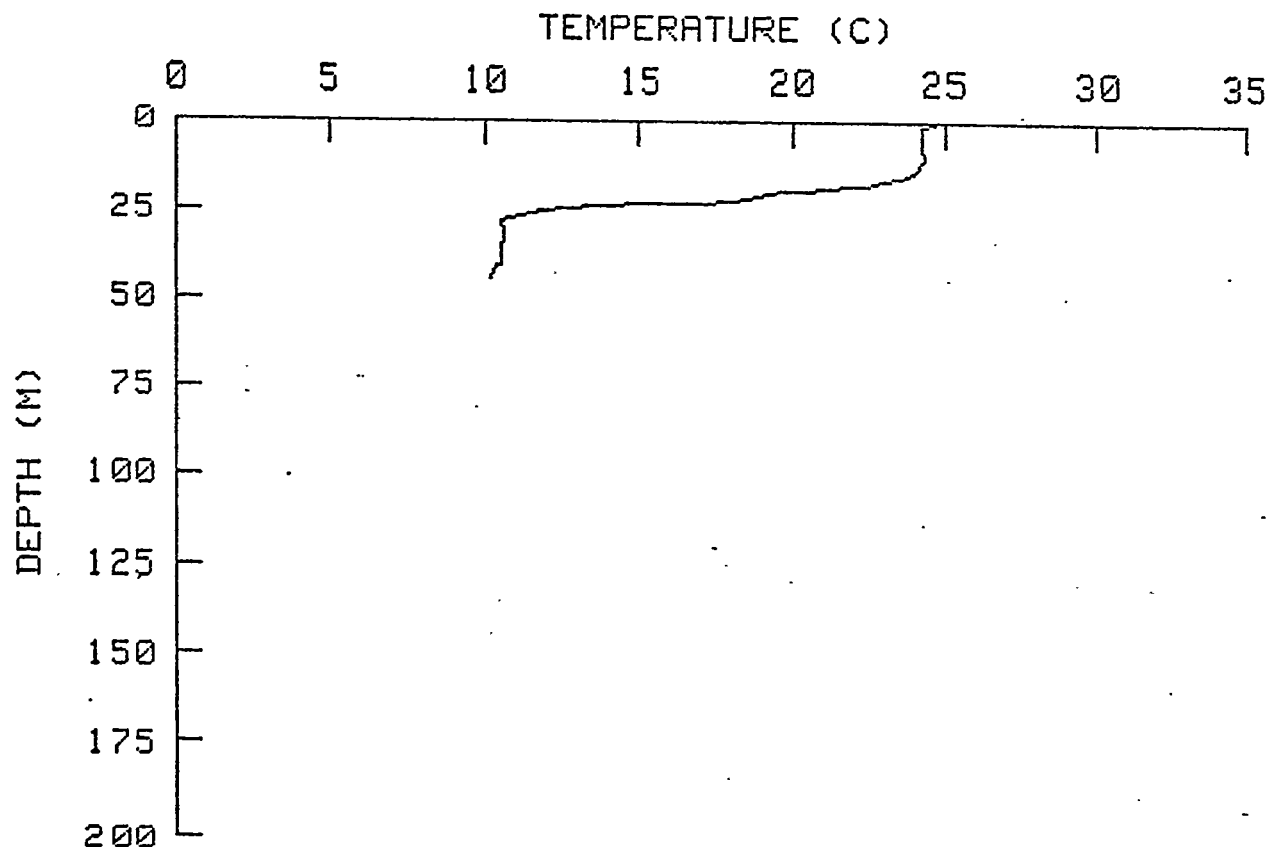
	0	1	2	3	4	5	6	7	8	9
0	-	23.95	23.95	23.95	23.95	23.95	23.95	23.84	23.69	23.51
10	22.99	23.29	23.33	23.27	23.86	24.79	24.79	24.79	24.63	24.63
20	24.63	24.16	23.61	23.16	22.86	22.61	20.92	16.36	14.40	11.16
30	9.42	8.69	8.51	8.51	8.59	8.85	9.04	9.14	9.18	9.18
40	9.18	9.18	9.18	9.18	9.18	9.19	9.19	9.19	9.19	9.19
50	9.19	9.19	9.19	9.19	9.20	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 041X DATE 01 SEPT 80 TIME 0530 LAT 37-40.7N LON 74-42.9W DEPTH(M) 48 SST(C) 24.2



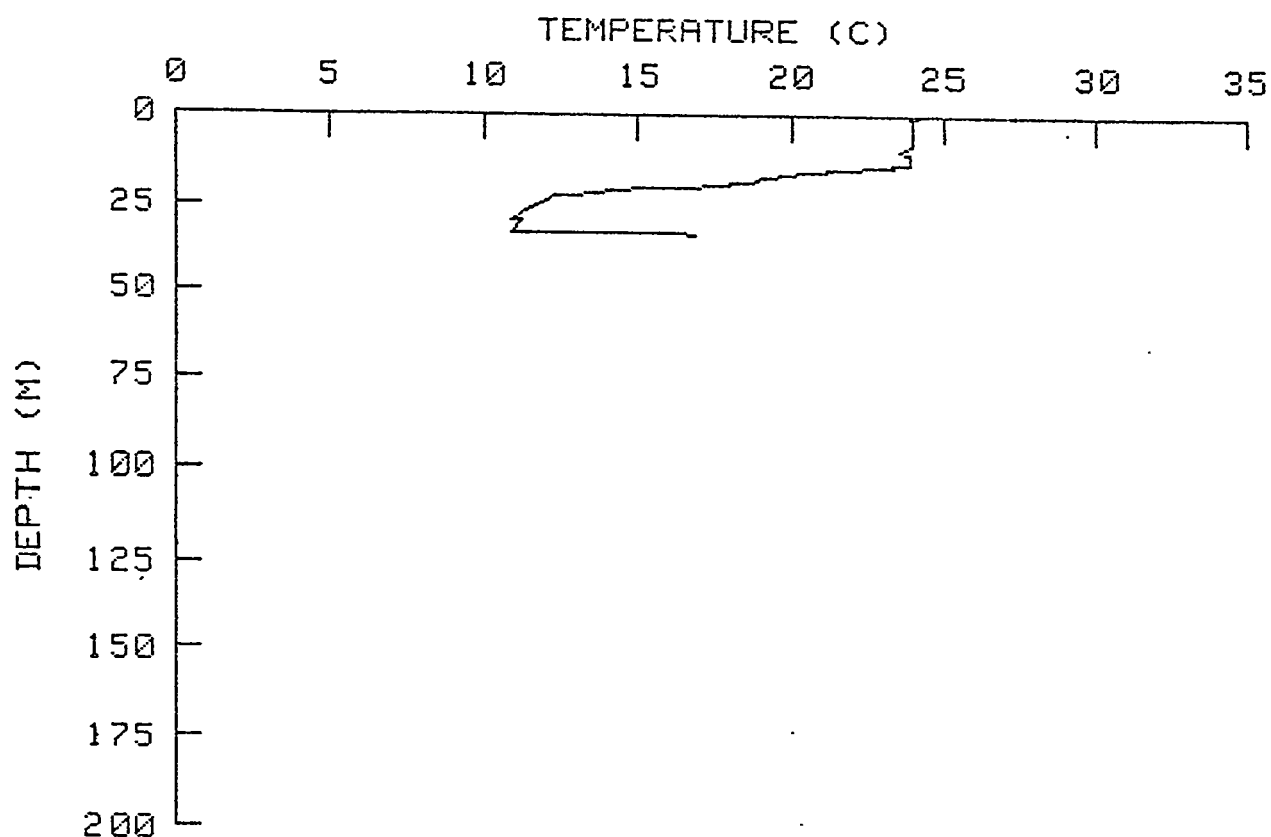
	0	1	2	3	4	5	6	7	8	9
0	24.10	24.36	24.38	24.41	24.43	24.45	24.48	24.45	24.40	24.27
10	24.09	23.81	23.25	22.71	22.34	22.14	22.29	22.44	22.64	22.91
20	23.19	23.42	23.55	23.11	21.67	18.91	16.52	15.27	14.47	13.55
30	11.28	10.73	10.53	10.37	10.25	10.14	10.02	9.89	9.77	9.65
40	9.62	9.58	9.54	9.50	9.46	9.42	9.39	9.37	9.34	9.32
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 042X DATE 01 SEPT 80 TIME 0600 LAT 37-37.2N LON 74-48.4W DEPTH(M) 47 SST(C) 24.2



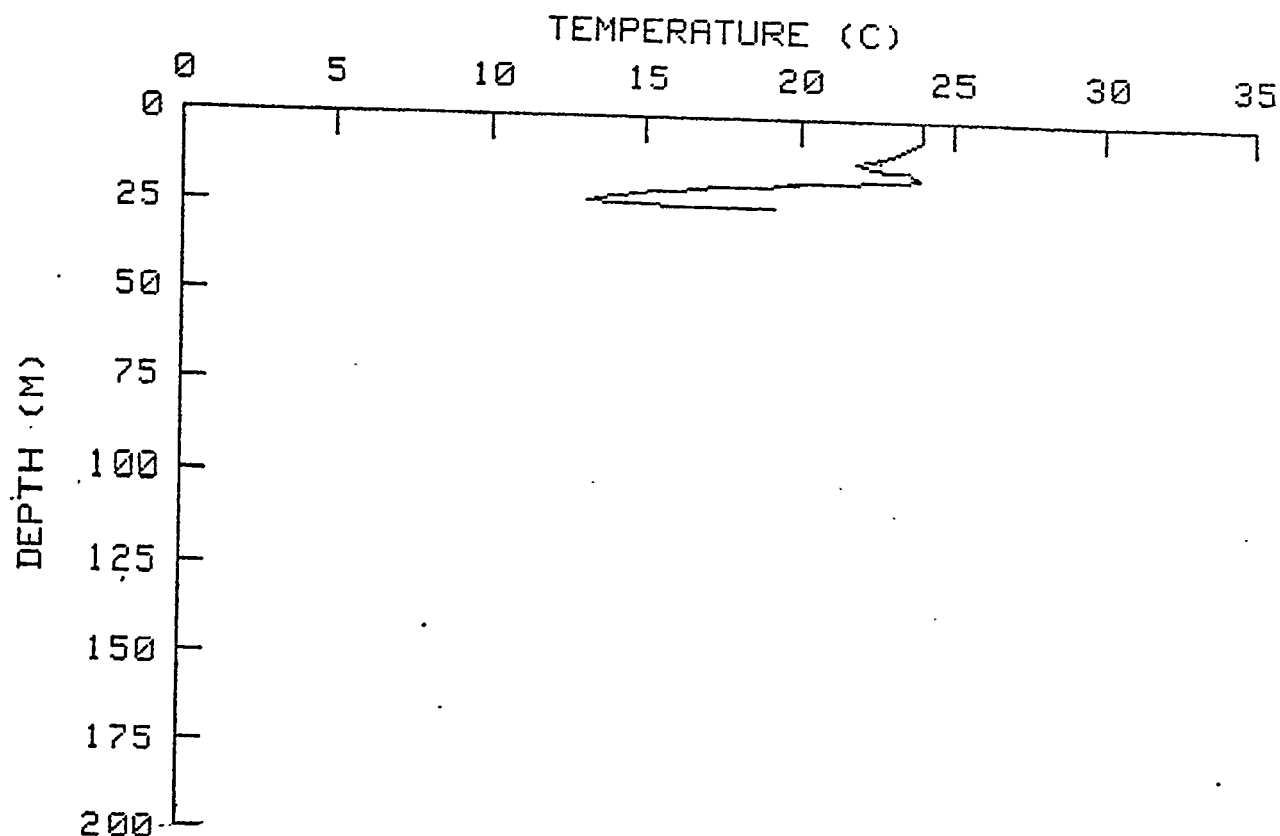
	0	1	2	3	4	5	6	7	8	9
0	-	24.60	24.27	24.27	24.27	24.27	24.27	24.27	24.28	24.28
10	24.28	24.24	24.18	24.12	23.95	23.64	23.25	22.80	21.76	20.98
20	19.47	18.96	18.39	16.24	13.31	12.21	11.57	11.17	10.77	10.58
30	10.61	10.64	10.67	10.65	10.63	10.62	10.60	10.58	10.56	10.56
40	10.56	10.57	10.30	10.26	10.21	10.19	10.19	10.19	10.19	10.19
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 043X DATE 01 SEPT 80 TIME 0830 LAT 37-34.1N LON 74-53.2W DEPTH(M) 34 SST(C) 24.2



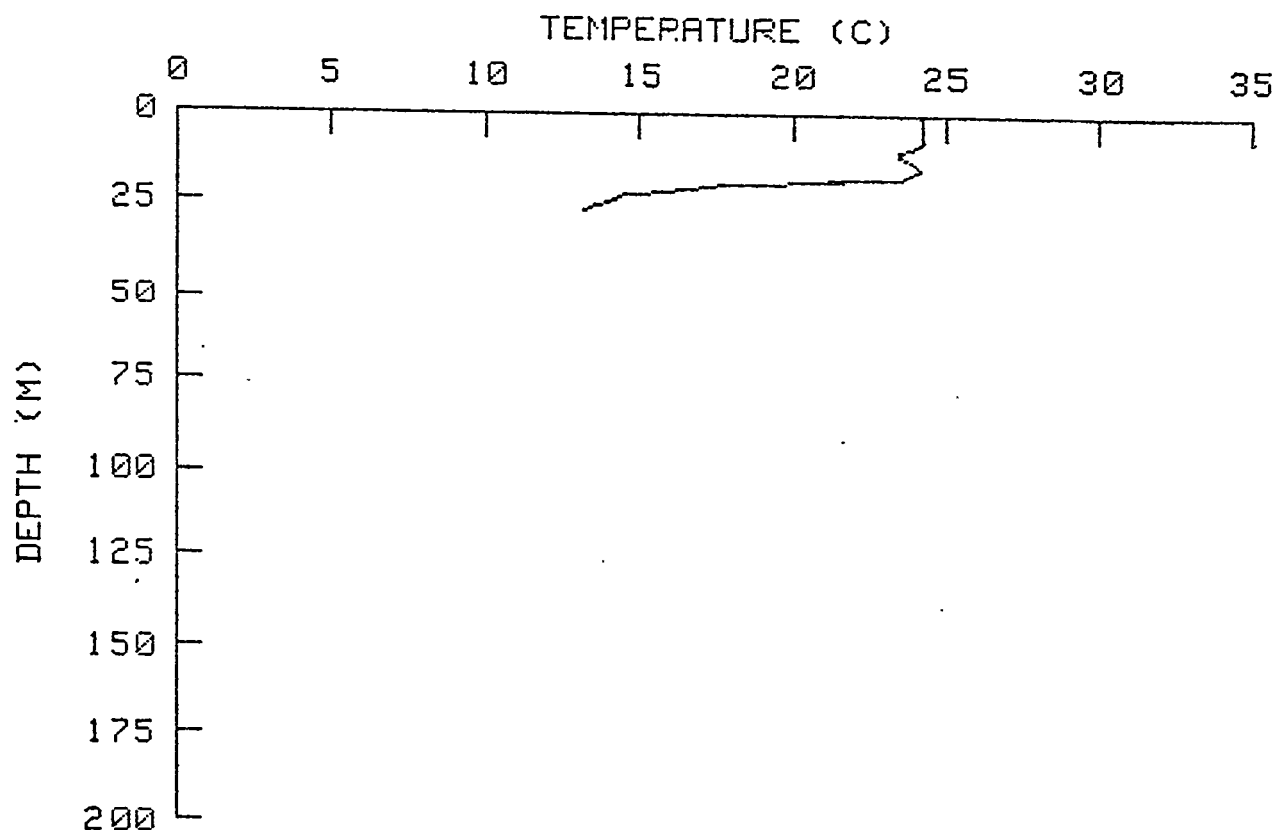
	0	1	2	3	4	5	6	7	8	9
0	-	23.88	23.94	23.97	23.98	23.98	23.98	23.99	23.99	23.77
10	23.61	23.87	23.87	23.87	23.25	21.90	20.51	19.63	18.92	17.40
20	16.03	14.15	12.90	12.19	12.01	11.75	11.48	11.23	11.10	10.99
30	11.17	11.09	11.01	10.93	17.44	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 044X DATE 01 SEPT 80 TIME 0700 LAT 37-30.7N LON 74-50.5W DEPTH(M) 25 SST(C) 24.1



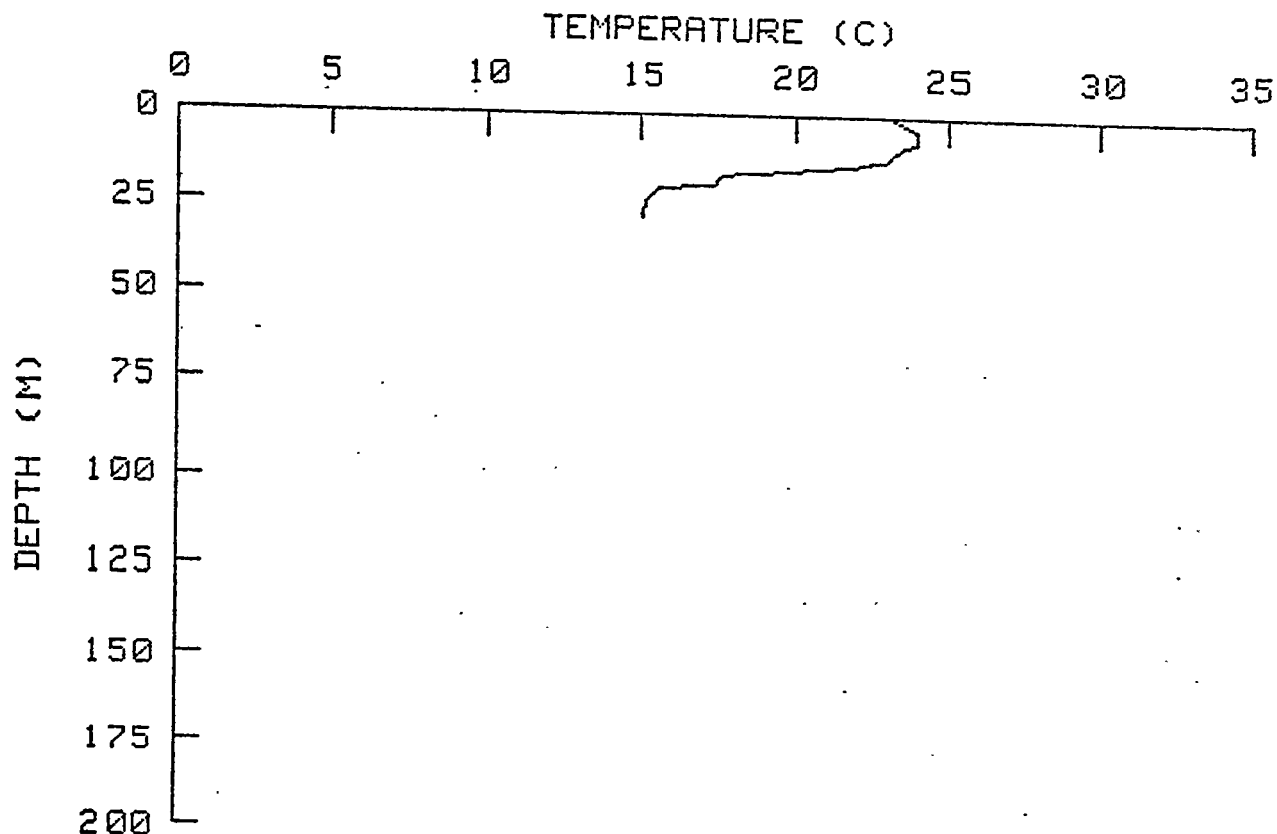
	0	1	2	3	4	5	6	7	8	9
0	23.94	23.97	23.97	23.97	23.97	23.97	23.84	23.67	23.44	23.18
10	22.91	22.57	22.04	22.07	22.75	23.64	23.89	23.37	20.67	19.42
20	16.07	15.23	14.20	13.38	13.10	19.25	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 045X DATE 01 SEPT 80 TIME 0730 LAT 37-27.4N LON 75-03.8W DEPTH(M) 30 SST(C) 24.2



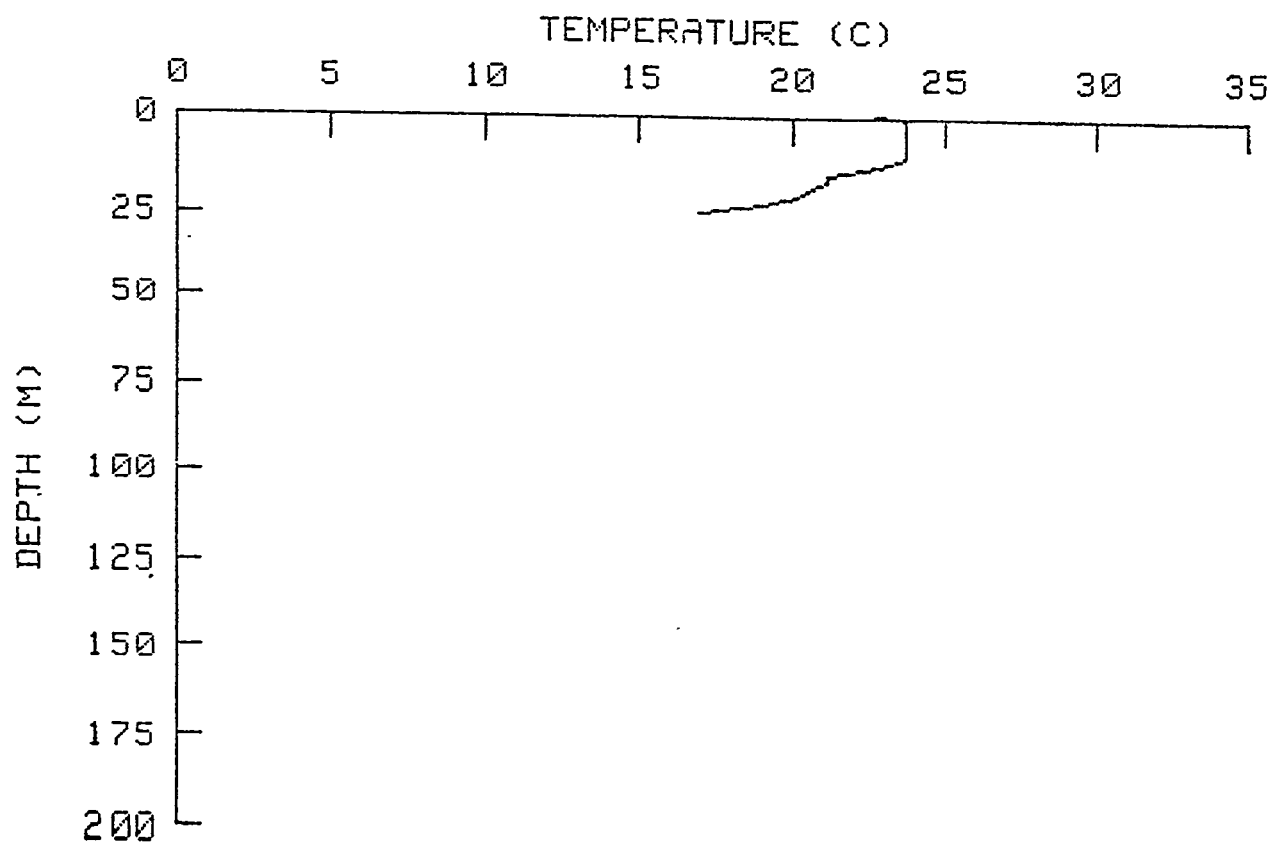
	0	1	2	3	4	5	6	7	8	9
0	-	24.10	24.21	24.21	24.21	24.21	24.21	24.21	24.18	24.04
10	23.86	23.48	23.48	23.76	23.96	24.09	24.11	23.94	23.64	22.96
20	17.94	17.28	16.36	14.82	14.35	14.06	13.55	13.26	13.13	13.08
30	13.04	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 046X DATE 01 SEPT 80 TIME 0802 LAT 37-24.3N LON 75-09.3W DEPTH(M) 30 SST(C) 24.1



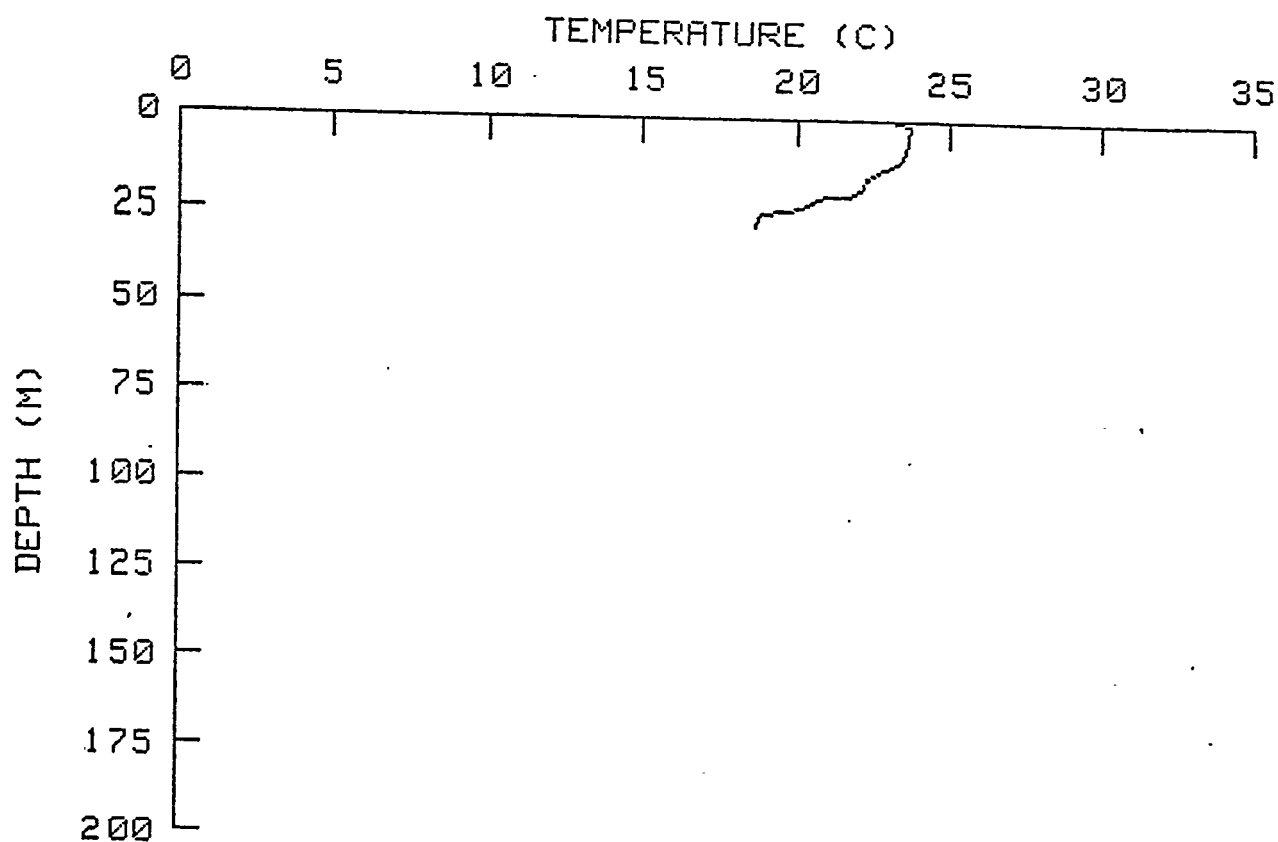
	0	1	2	3	4	5	6	7	8	9
0	-	23.15	23.43	23.72	23.94	23.94	23.94	23.94	23.81	23.52
10	23.35	23.19	23.05	22.41	21.95	20.88	19.65	18.00	17.60	17.49
20	16.45	15.60	15.46	15.35	15.24	15.16	15.14	15.12	15.09	15.07
30	15.10	15.14	15.18	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 047X DATE 01 SEPT 80 TIME 0830 LAT 37-21.0N LON 75-14.9W DEPTH(M) 26 SST(C) 24.1



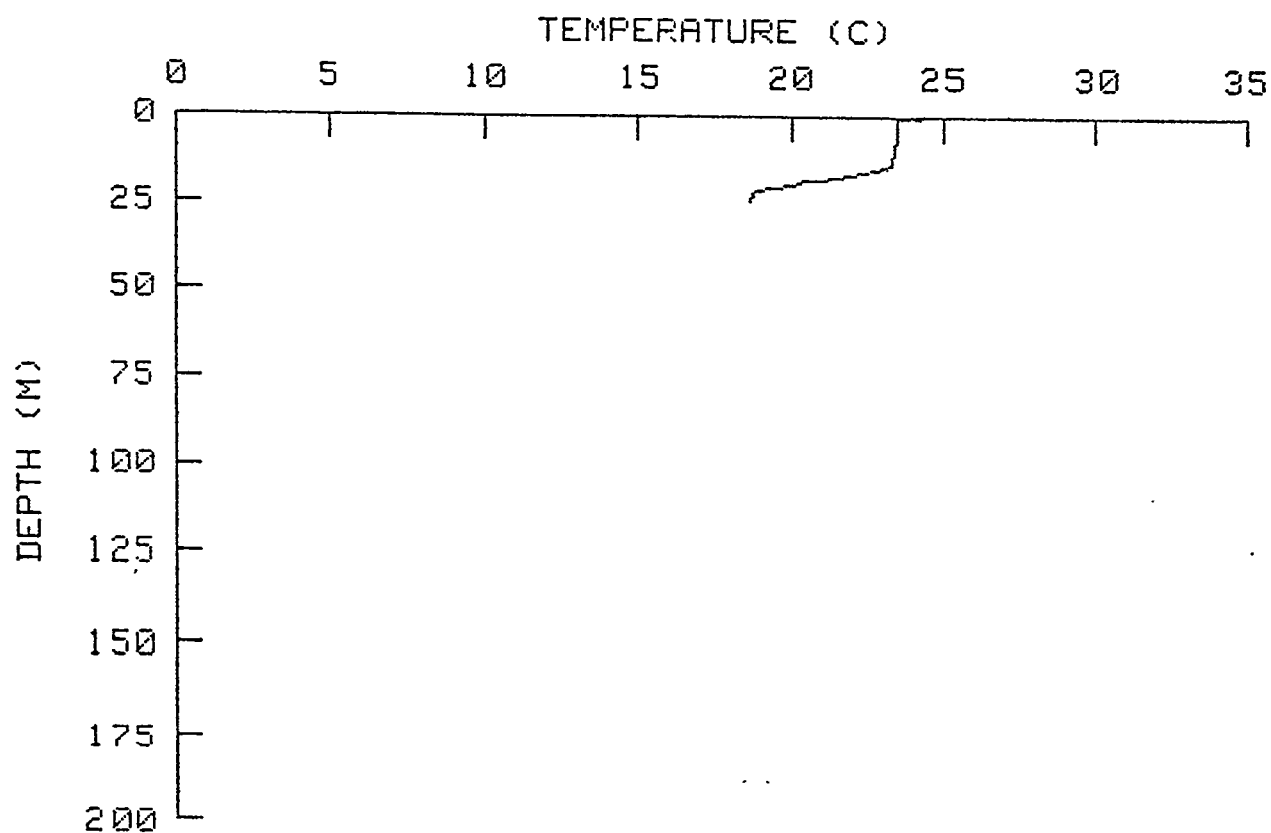
	0	1	2	3	4	5	6	7	8	9
0	22.77	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72
10	23.72	23.63	23.31	22.65	21.84	21.30	21.14	20.94	20.67	20.46
20	20.25	19.58	19.17	18.32	17.30	16.97	16.97	-	-	-
30	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 048X DATE 01 SEPT 80 TIME 0902 LAT 37-17.8N LON 75-19.8W DEPTH(M) 27! SST(C) 24.0



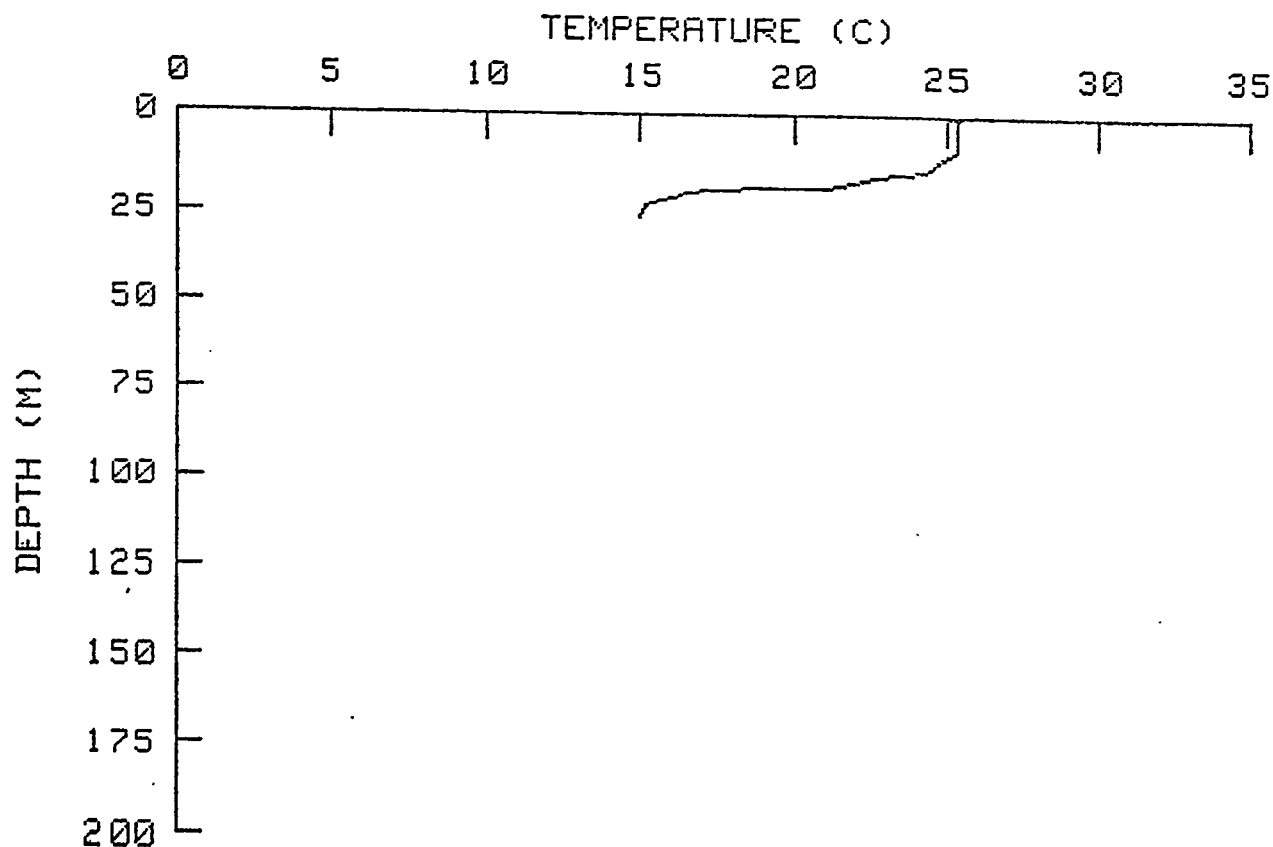
	0	1	2	3	4	5	6	7	8	9
0	-	23.39	23.71	23.69	23.67	23.65	23.62	23.59	23.56	23.52
10	23.48	23.42	23.25	23.04	22.65	22.47	22.29	22.22	22.15	21.95
20	21.74	20.67	20.40	20.19	19.29	18.80	18.74	18.69	18.68	18.68
30	18.68	18.68	18.68	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 049X DATE 01 SEPT 80 TIME 0931 LAT 37-14.3N LON 75-25.2W DEPTH(M) 26 SST(C) 23.9



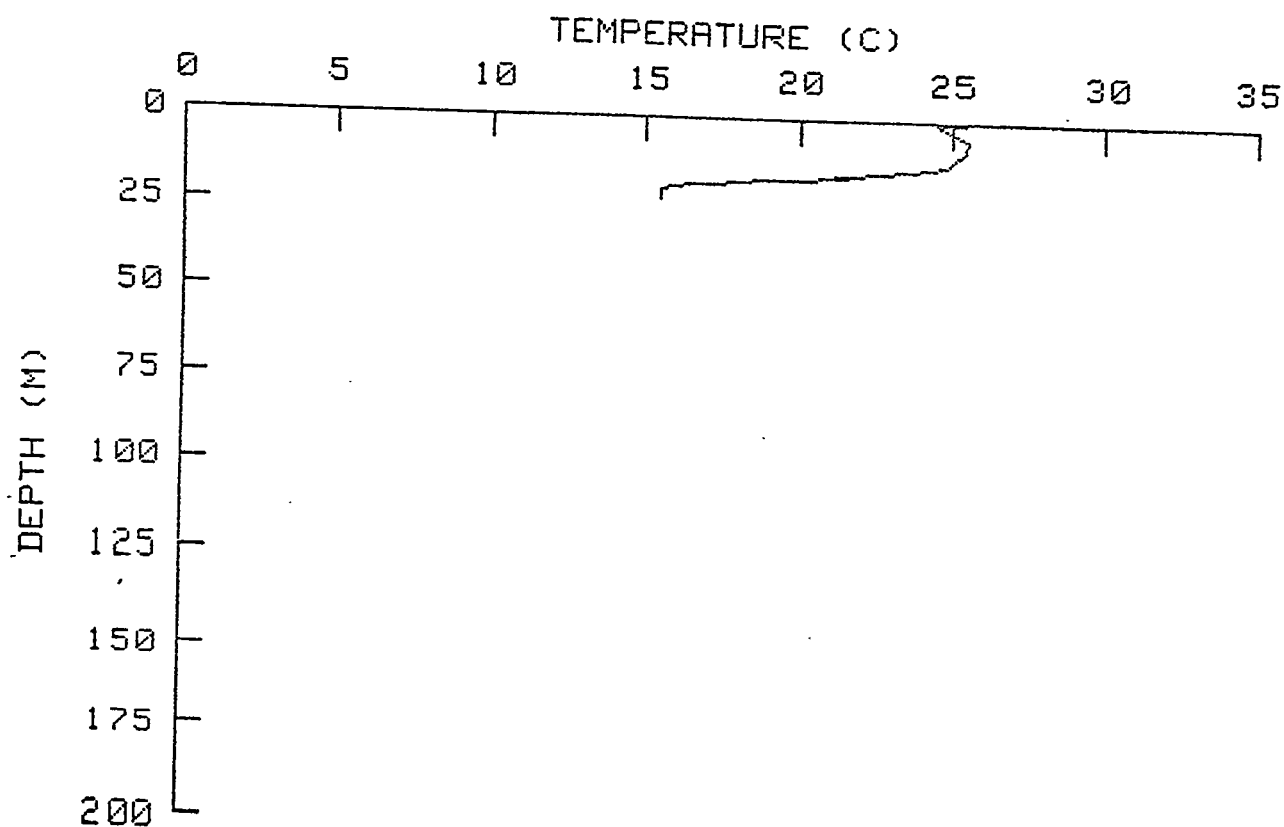
	0	1	2	3	4	5	6	7	8	9
0	-	24.10	23.49	23.49	23.49	23.49	23.49	23.47	23.45	23.43
10	23.41	23.38	23.35	23.32	23.30	23.05	22.60	21.90	21.24	20.51
20	19.89	19.12	18.82	18.78	18.74	18.71	18.72	18.73	18.75	-
30	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 050X DATE 03 SEPT 80 TIME 0330 LAT 36-29.9N LON 75-21.4W DEPTH(M) 30 SST(C) 25.4



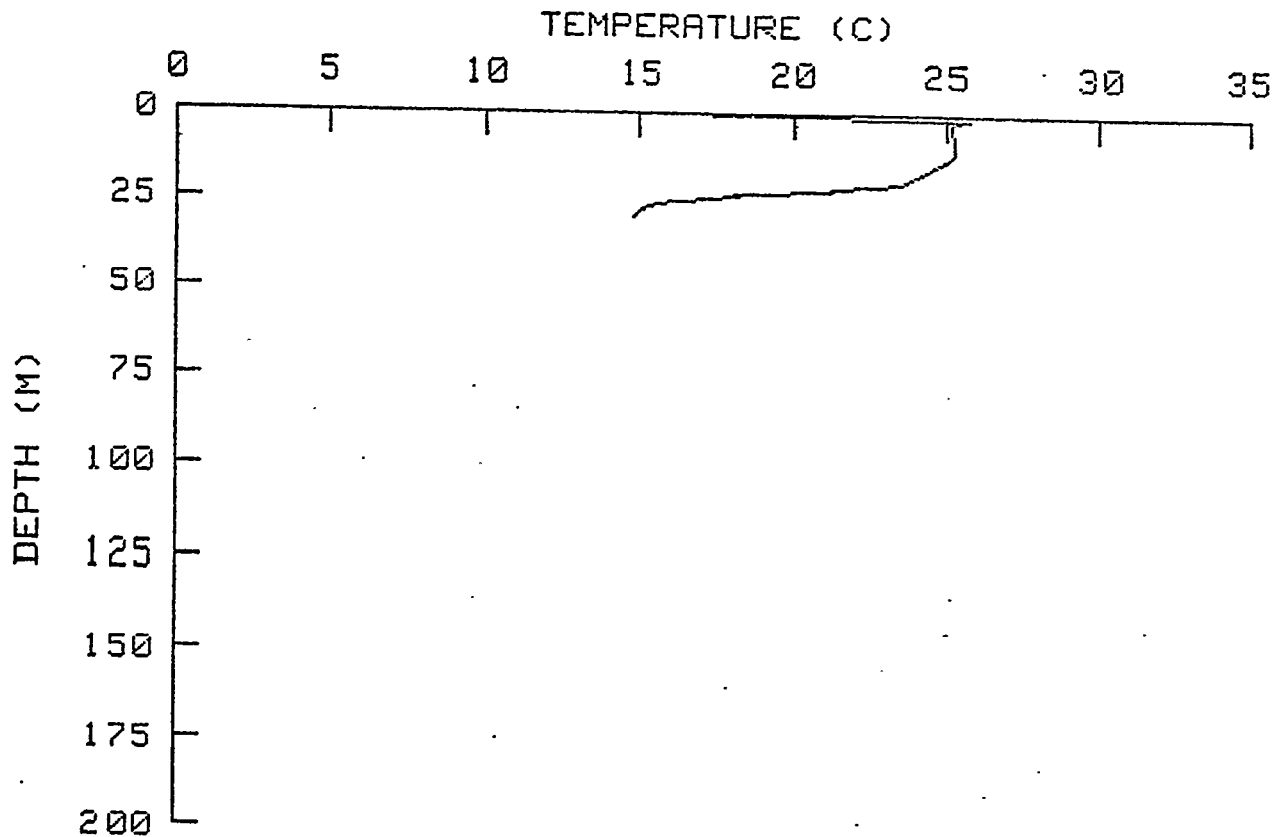
	0	1	2	3	4	5	6	7	8	9
0	-	25.14	25.37	25.32	25.32	25.32	25.32	25.32	25.32	25.18
10	24.99	24.77	24.58	24.40	23.85	22.77	22.04	21.43	20.51	17.11
20	16.33	15.88	15.50	15.16	15.11	15.07	15.03	15.01	15.01	15.01
30	15.01	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 051X DATE 03 SEPT 80 TIME 0400 LAT 36-25.8N LON 75-16.9W DEPTH(M) 29 SST(C) 25.6



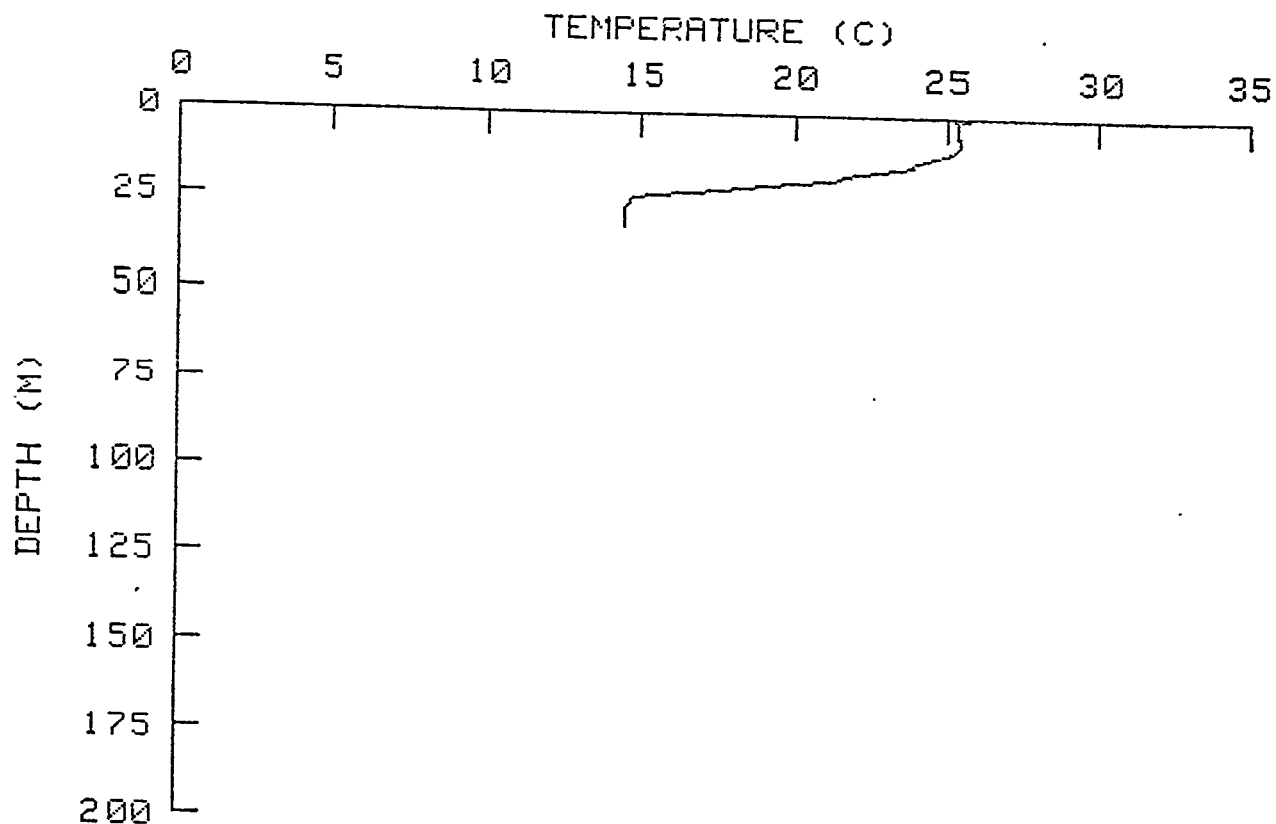
	0	1	2	3	4	5	6	7	8	9
0	-	-	24.62	24.87	25.12	25.37	25.51	25.49	25.46	25.37
10	25.23	25.09	24.94	24.58	23.84	22.87	21.12	18.73	17.63	16.16
20	15.54	15.49	15.49	15.49	15.48	15.46	15.45	15.43	15.42	15.40
30	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 052X DATE 03 SEPT 80 TIME 0430 LAT 36-21.6N LON 75-12.5W DEPTH(M) 30 SST(C) 25.4



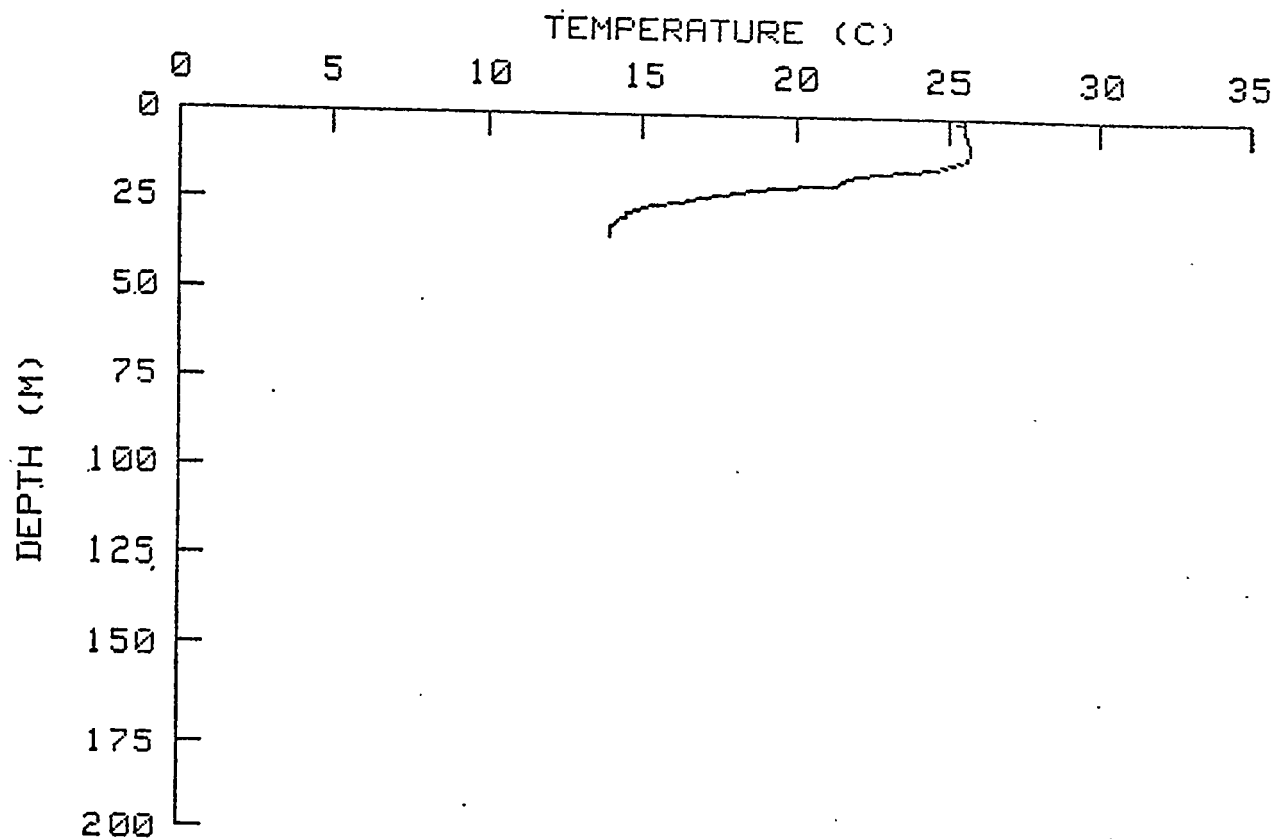
	0	1	2	3	4	5	6	7	8	9
0	-	-	24.98	25.19	25.19	25.19	25.23	25.28	25.28	25.28
10	25.28	25.28	25.16	25.03	24.84	24.66	24.48	24.27	24.06	23.78
20	23.49	21.89	20.87	19.09	17.96	16.77	15.80	15.26	14.99	14.87
30	14.82	14.82	14.82	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 053X DATE 03 SEPT 80 TIME 0500 LAT 36-17.1N LON 75-07.9W DEPTH(M) 33 SST(C) 25.5



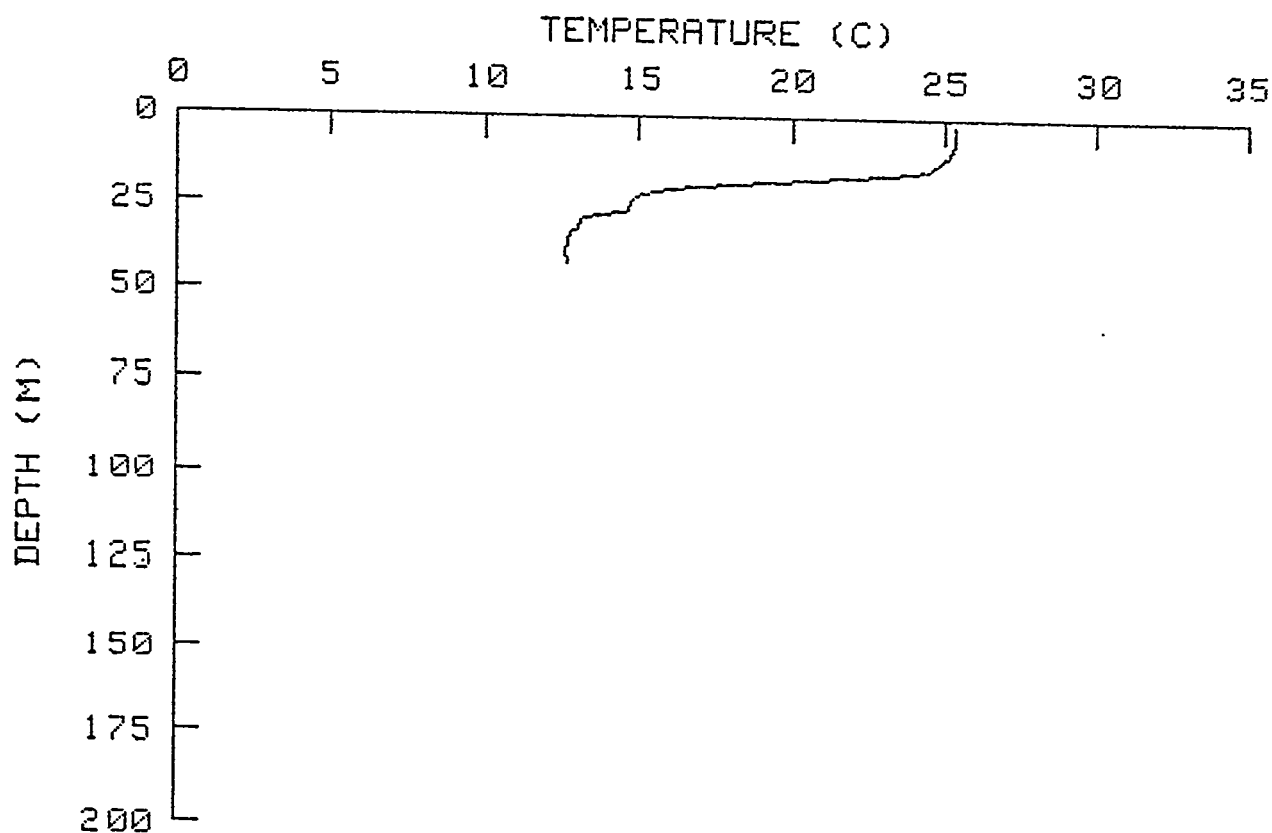
	0	1	2	3	4	5	6	7	8	9
0	-	25.72	25.37	25.37	25.37	25.37	25.38	25.44	25.44	25.36
10	25.27	25.03	24.73	24.27	23.97	23.82	23.82	22.20	21.73	21.28
20	19.99	18.88	17.80	16.27	15.21	14.69	14.62	14.55	14.50	14.49
30	14.48	14.47	14.46	14.44	14.42	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 054X DATE 03 SEPT 80 TIME 0600 LAT 36-15.1N LON 75-05.5W DEPTH(M) 37 SST(C) 25.6



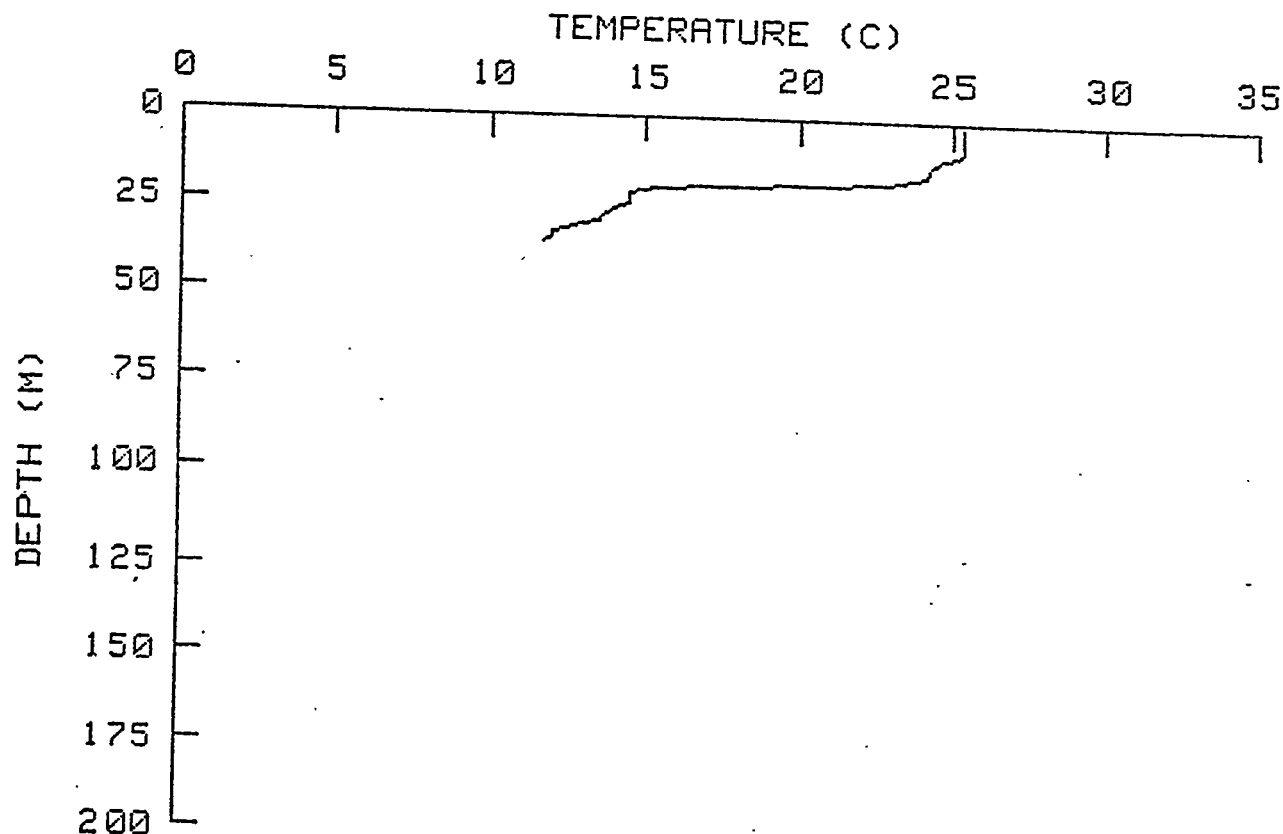
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.49	25.53	25.53	25.53	25.65	25.66	25.67	25.68
10	25.68	25.66	25.58	25.39	24.98	24.61	23.00	22.10	21.63	21.44
20	21.16	19.81	18.52	17.77	16.89	16.26	15.29	14.99	14.60	14.49
30	14.27	14.15	14.00	13.98	13.97	13.95	13.94	13.94	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 055X DATE 03 SEPT 80 TIME 0700 LAT 36-12.7N LON 75-02.5W DEPTH(M) 43 SST(C) 25.5



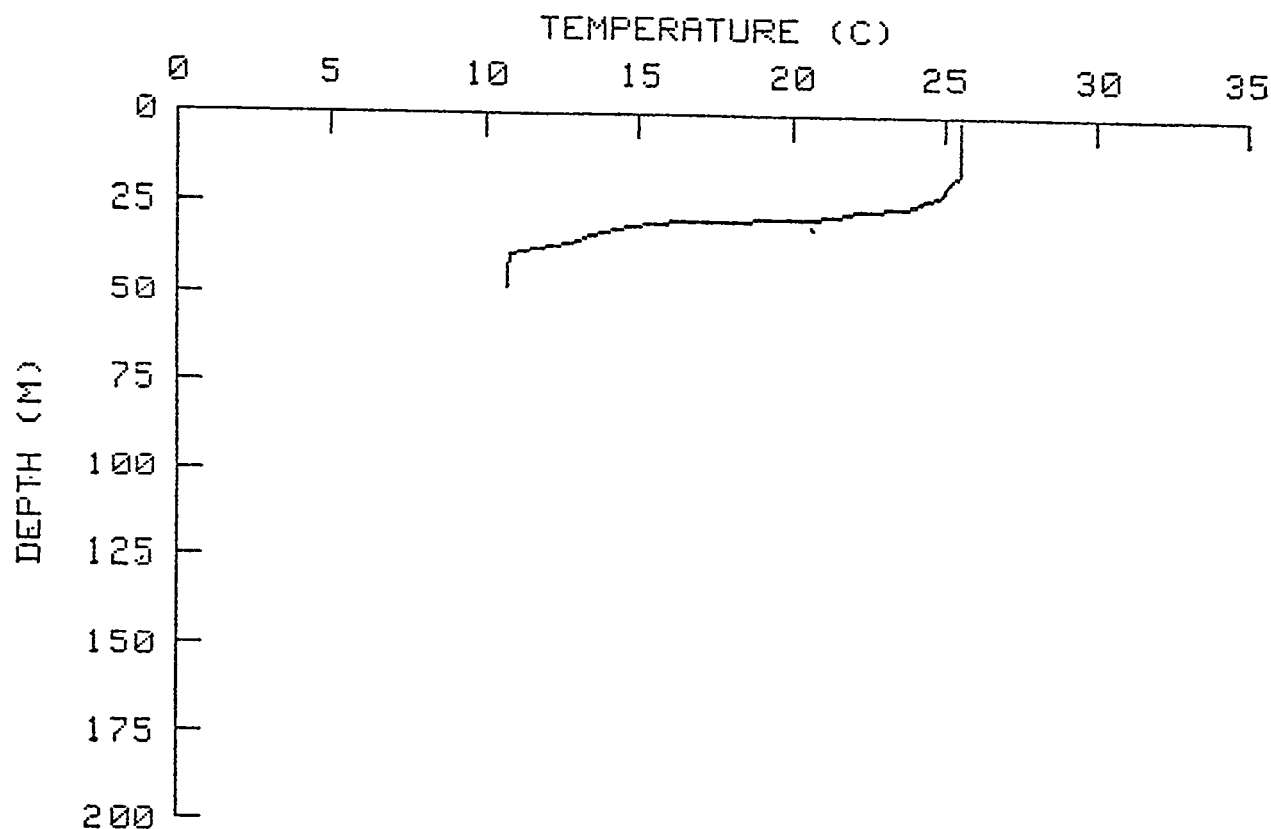
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	25.36	25.36	25.36	25.36	25.36	25.34	25.29
10	25.24	25.07	24.89	24.74	24.60	24.52	23.67	22.34	20.63	19.04
20	17.55	15.98	15.41	14.92	14.79	14.70	14.65	14.57	14.10	13.38
30	13.10	13.03	12.91	12.82	12.78	12.74	12.70	12.67	12.63	12.60
40	12.62	12.65	12.69	12.75	12.81	12.88	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION: 056X DATE: 03 SEPT 80 TIME: 0730 LAT: 36-10.6N LON: 74-59.5W DEPTH(M): 37 SST(C): 25.6



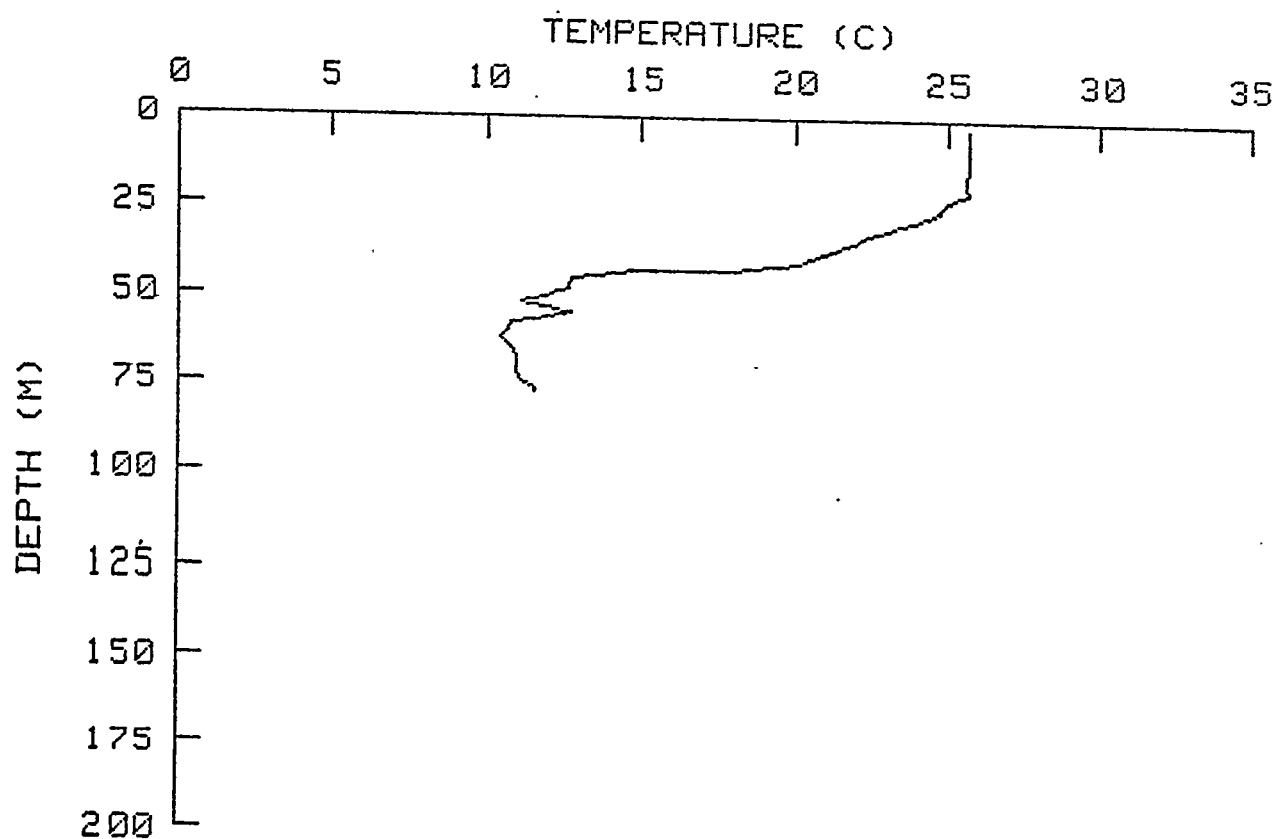
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.36	25.36	25.36	25.36	25.36	25.36	25.37	25.28
10	24.97	24.59	24.45	24.34	24.29	24.21	23.94	23.35	22.08	18.60
20	15.99	15.01	14.51	14.49	14.46	14.32	14.02	13.80	13.62	13.56
30	13.25	12.73	12.30	12.01	11.99	11.89	11.75	11.69	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 057X DATE 03 SEPT 80 TIME 0822 LAT 36-07.4N LON 74-56.7W DEPTH(M) 49 SST(C) 25.8



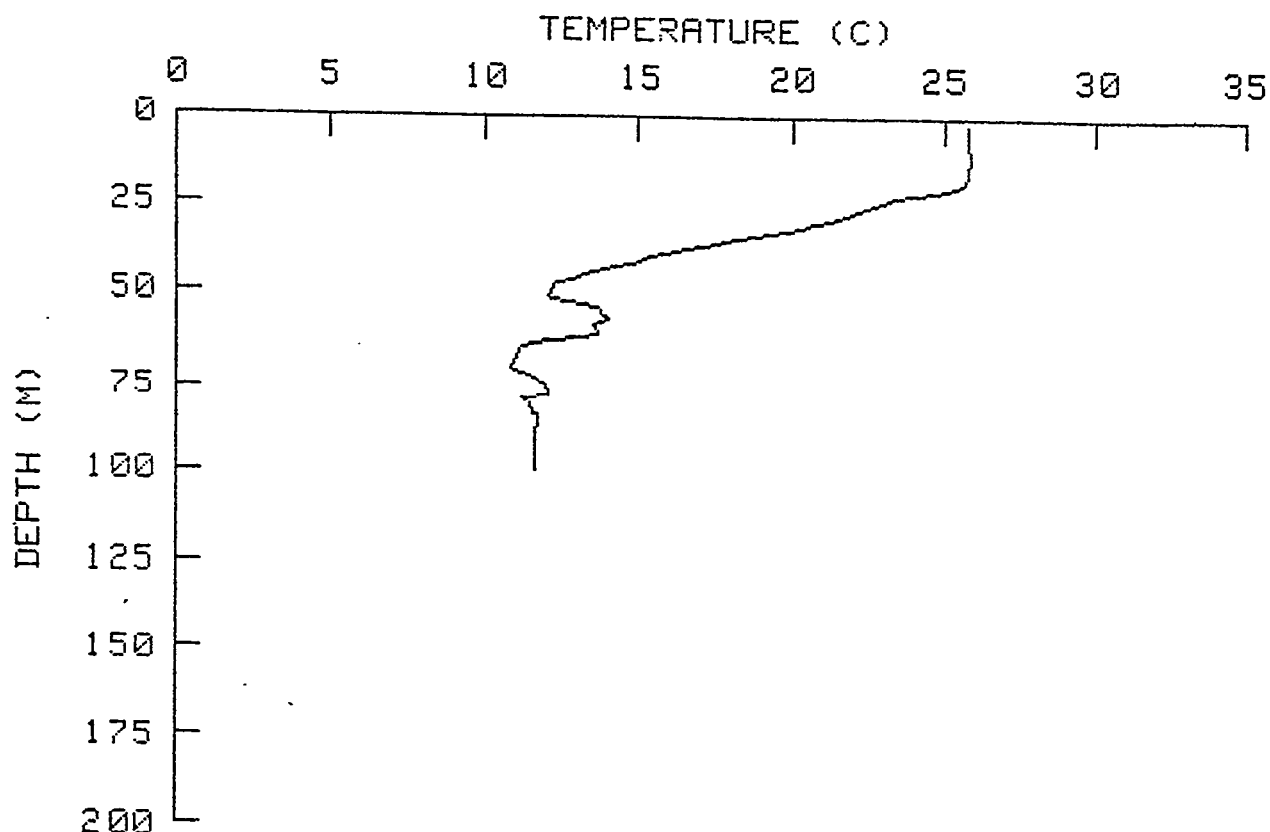
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	25.50	25.50	25.51	25.51	25.51	25.51	25.51
10	25.51	25.51	25.51	25.51	25.52	25.52	25.52	25.46	25.25	25.10
20	25.04	24.99	24.85	24.56	24.17	23.77	22.46	21.52	20.54	17.56
30	14.86	14.22	13.73	13.35	13.05	12.74	11.95	11.12	10.76	10.75
40	10.74	10.73	10.72	10.71	10.70	10.71	10.71	10.71	10.71	10.74
50	10.77	10.80	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 058X DATE 03 SEPT 80 TIME 0900 LAT 36-06.7N LON 74-54.3W DEPTH(M) 78 SST(C) 25.9



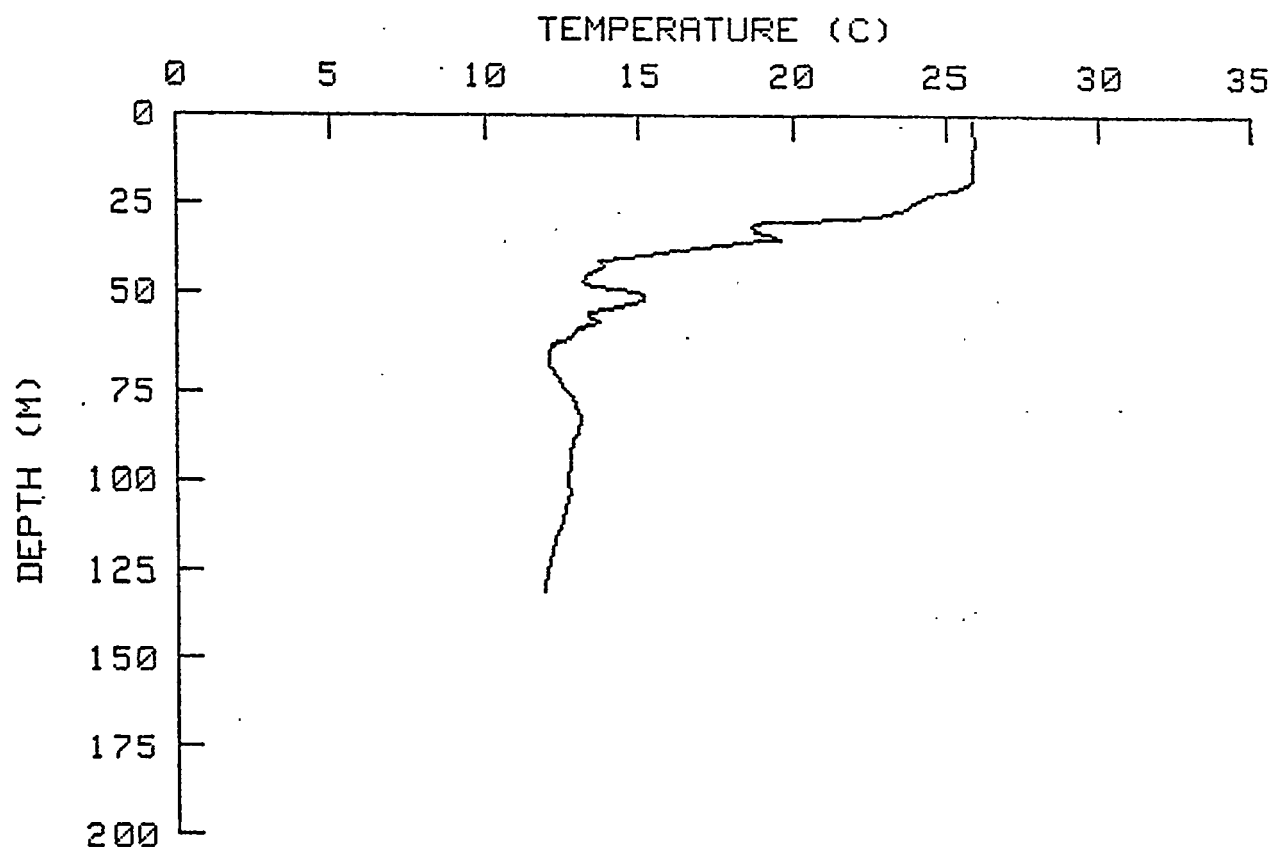
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	-	25.66	25.66	25.67	25.67	25.67	25.67
10	25.67	25.67	25.67	25.67	25.67	25.64	25.61	25.59	25.59	25.59
20	25.63	25.52	25.27	25.06	24.87	24.79	24.74	24.42	24.09	23.74
30	23.37	23.07	22.73	22.37	22.05	21.82	21.54	21.25	20.76	20.63
40	20.28	19.79	18.97	15.77	13.80	12.97	12.79	12.75	12.69	12.24
50	11.95	11.31	11.31	11.99	12.34	12.73	12.14	11.27	10.80	10.72
60	10.65	10.58	10.49	10.56	10.67	10.78	10.87	10.92	10.97	11.00
70	11.01	11.01	11.01	11.05	11.13	11.29	11.47	11.55	11.59	11.58
80	11.56	11.55	11.54	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 059X DATE 03 SEPT 80 TIME 1035 LAT 36-04.0N LON 74-51.0W DEPTH(M) 100 SST(C) 25.9



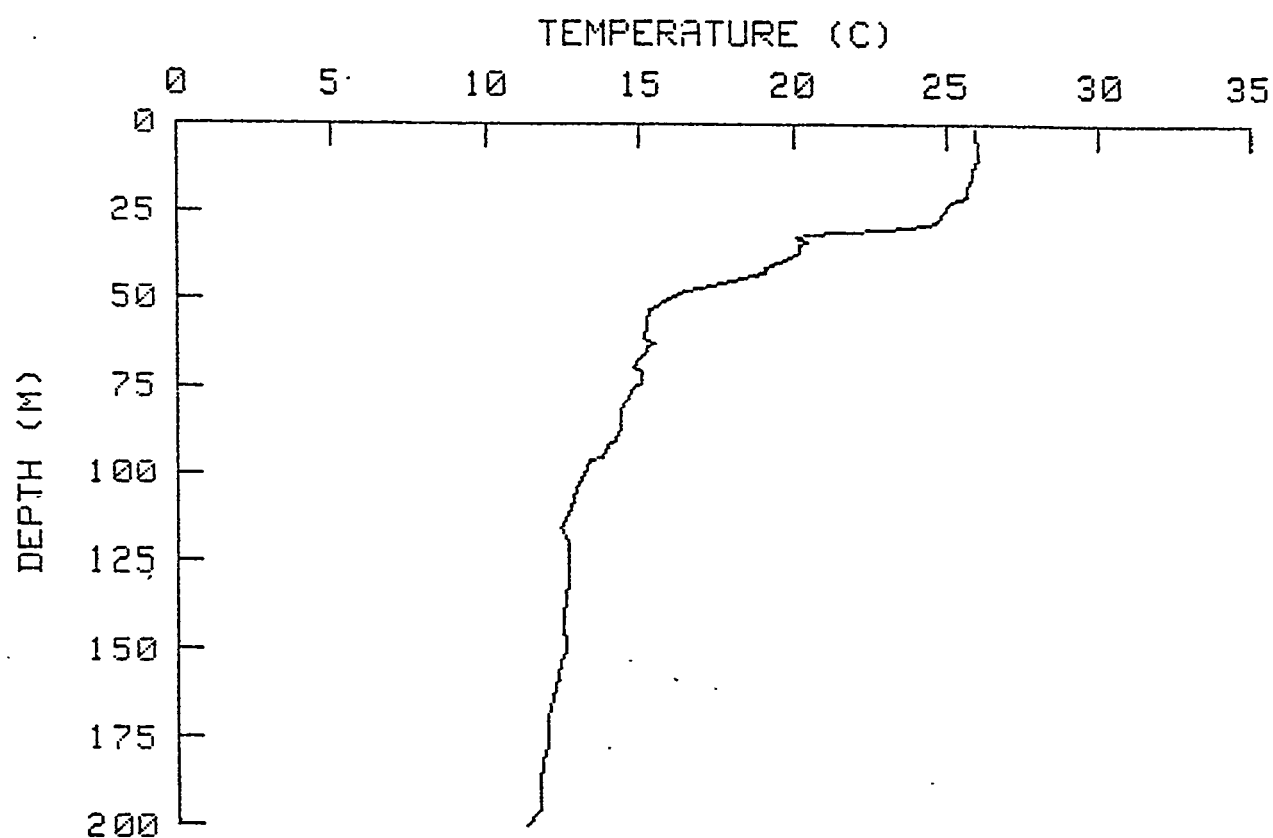
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	25.74	25.74	25.74	25.74	25.74	25.76	25.78
10	25.81	25.83	25.86	25.86	25.84	25.82	25.81	25.78	25.73	25.59
20	25.38	24.90	24.30	23.64	23.15	22.75	22.38	22.00	21.77	21.41
30	21.00	20.57	20.17	19.67	19.02	18.36	17.69	17.00	16.53	15.96
40	15.39	15.22	14.79	14.30	13.69	13.23	12.93	12.58	12.31	12.23
50	12.12	12.12	12.44	13.07	13.65	13.78	13.91	14.00	13.64	13.68
60	13.75	13.39	12.05	11.47	11.19	11.13	11.07	11.03	10.98	10.89
70	10.97	11.21	11.50	11.76	12.00	12.04	12.07	12.09	11.41	11.44
80	11.51	11.54	11.56	11.59	11.73	11.72	11.71	11.71	11.70	11.69
90	11.69	11.68	11.67	11.67	11.67	11.68	11.68	11.68	11.68	11.68
100	11.69	11.72	11.75	11.77	11.80	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 060X DATE 03 SEPT 80 TIME 1143 LAT 36-01.2N LON 74-48.5W DEPTH(M) 135 SST(C) 26.1



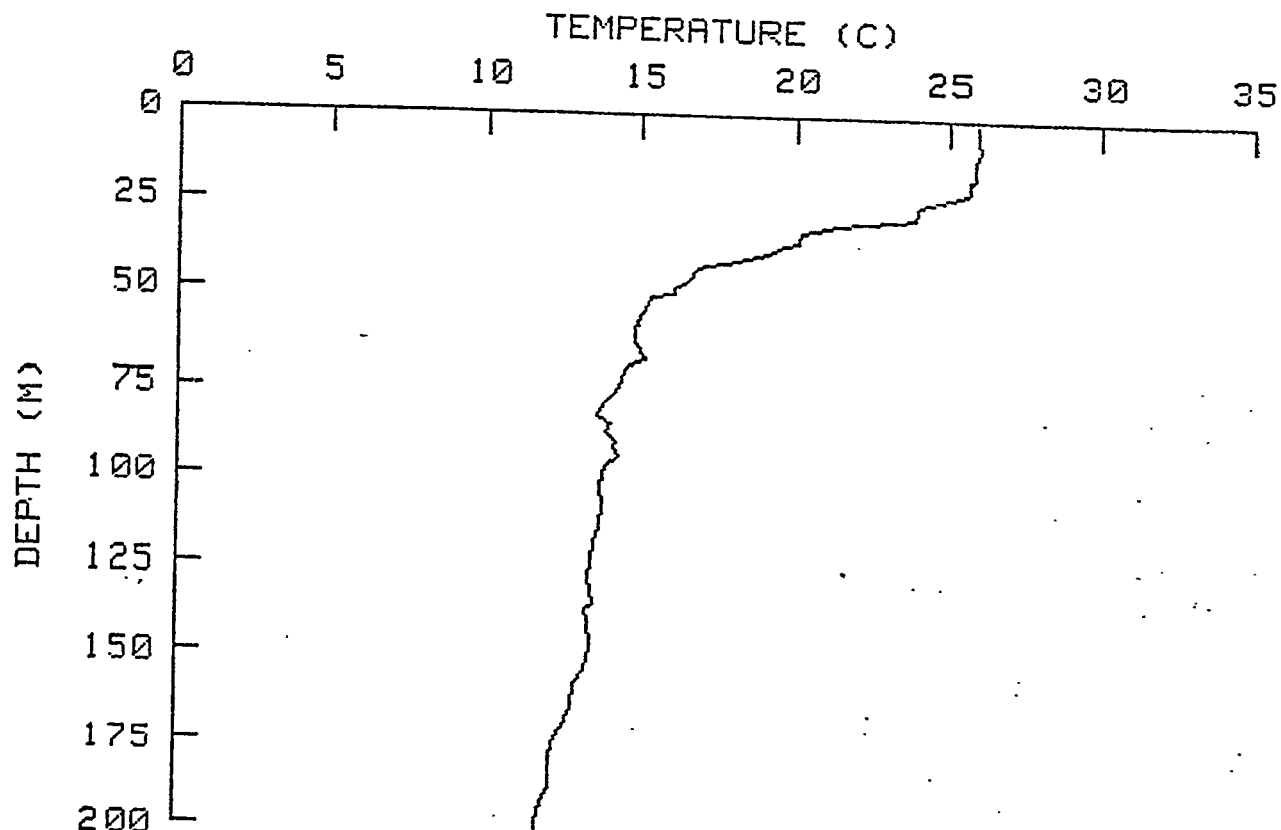
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	25.85	25.86	25.86	25.93	25.98	25.98	25.99
10	25.93	25.87	25.88	25.88	25.88	25.88	25.88	25.89	25.89	25.87
20	25.72	25.41	24.95	24.60	24.33	24.07	23.85	23.62	23.30	22.80
30	20.76	18.96	18.64	18.73	19.01	19.45	18.81	17.47	16.75	15.91
40	15.01	14.30	13.73	13.81	13.65	13.42	13.30	13.21	13.35	13.69
50	14.47	15.04	15.12	14.59	14.12	13.53	13.41	13.61	13.48	13.11
60	12.92	12.78	12.49	12.19	12.13	12.07	12.07	12.07	12.07	12.17
70	12.27	12.36	12.43	12.49	12.56	12.67	12.80	12.86	12.92	12.97
80	13.02	13.07	13.11	13.13	13.12	13.10	13.08	13.04	12.92	12.86
90	12.84	12.83	12.81	12.80	12.78	12.77	12.76	12.74	12.73	12.72
100	12.70	12.71	12.75	12.79	12.76	12.72	12.68	12.64	12.61	12.58
110	12.55	12.53	12.50	12.45	12.39	12.34	12.28	12.25	12.22	12.18
120	12.15	12.13	12.10	12.08	12.05	12.03	12.01	12.00	11.98	11.97
130	11.95	11.95	11.97	11.99	12.00	12.02	12.04	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 061X DATE 03 SEPT 80 TIME 1230 LAT 35-50.3N LON 74-44.9W DEPTH(M) SST(C)



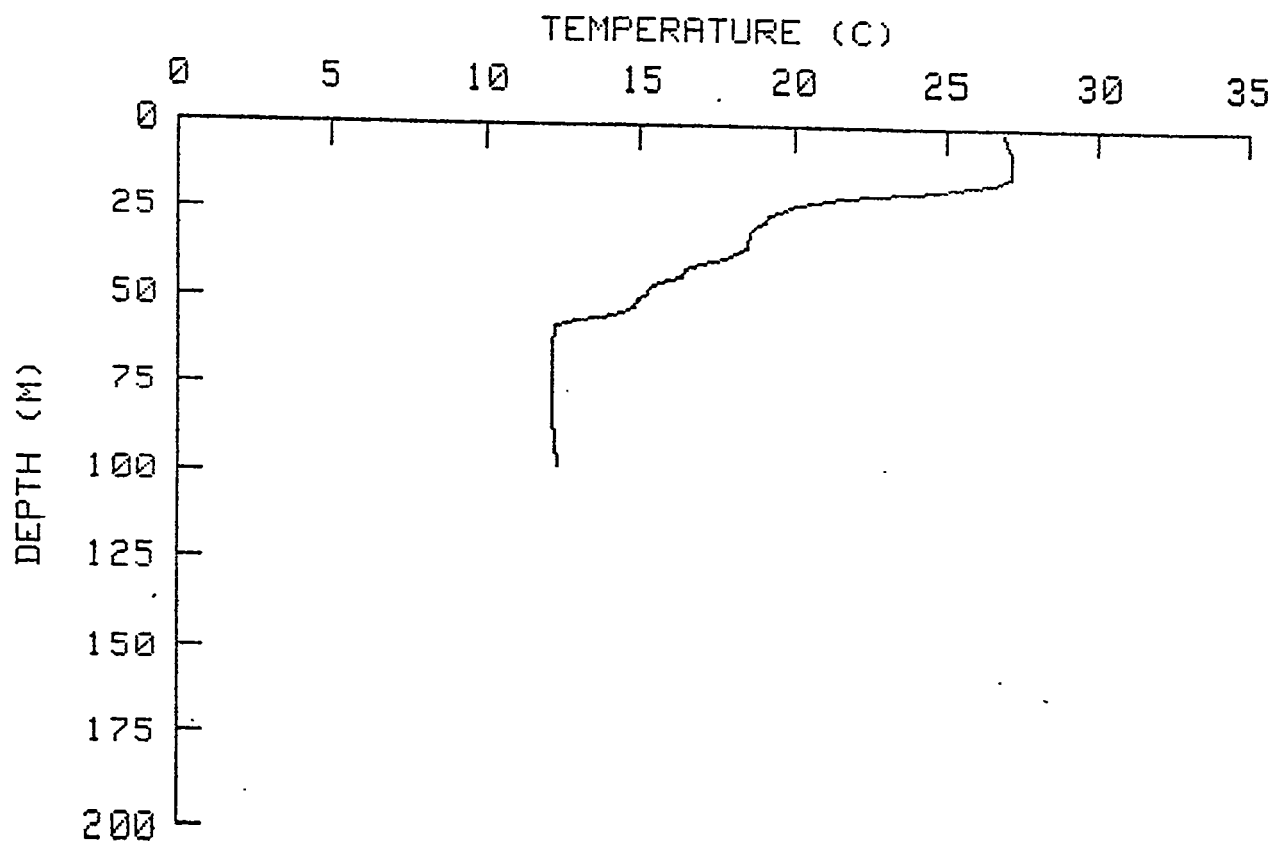
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.92	25.92	25.92	25.92	25.97	26.00	26.00	26.00
10	26.00	25.98	25.93	25.88	25.85	25.83	25.79	25.75	25.72	25.70
20	25.70	25.69	25.37	25.14	25.05	24.98	24.90	24.82	24.66	24.24
30	23.41	22.15	20.57	20.14	20.37	20.26	20.21	20.17	19.99	19.78
40	19.54	19.15	19.06	18.87	18.43	17.99	17.69	17.15	16.63	16.29
50	16.04	15.84	15.63	15.41	15.30	15.28	15.25	15.22	15.21	15.20
60	15.19	15.18	15.41	15.32	15.25	15.23	15.12	15.02	14.93	14.84
70	14.96	15.05	15.04	15.04	14.96	14.81	14.75	14.69	14.63	14.56
80	14.48	14.39	14.38	14.38	14.38	14.38	14.41	14.40	14.33	14.27
90	14.18	14.06	13.97	13.93	13.89	13.84	13.38	13.32	13.27	13.23
100	13.20	13.17	13.13	13.06	12.98	12.93	12.89	12.85	12.81	12.79
110	12.77	12.75	12.72	12.64	12.56	12.47	12.46	12.54	12.62	12.71
120	12.71	12.71	12.72	12.72	12.72	12.72	12.72	12.72	12.72	12.72
130	12.72	12.72	12.69	12.66	12.62	12.59	12.57	12.55	12.54	12.52
140	12.51	12.49	12.47	12.48	12.49	12.50	12.51	12.52	12.53	12.54
150	12.55	12.54	12.50	12.46	12.43	12.40	12.37	12.34	12.31	12.28
160	12.25	12.22	12.19	12.17	12.14	12.12	12.09	12.07	12.05	12.02
170	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.00	11.97	11.93
180	11.89	11.85	11.83	11.83	11.82	11.81	11.80	11.79	11.78	11.77
190	11.77	11.78	11.78	11.78	11.78	11.78	11.71	11.60	11.49	11.38
200	-	-	-	-	-	-	-	-	-	-

STATION 062X DATE 03 SEPT 80 TIME 1307 LAT 35-56.4N LON 74-42.0W DEPTH(M) 900 SST(C) 26.3



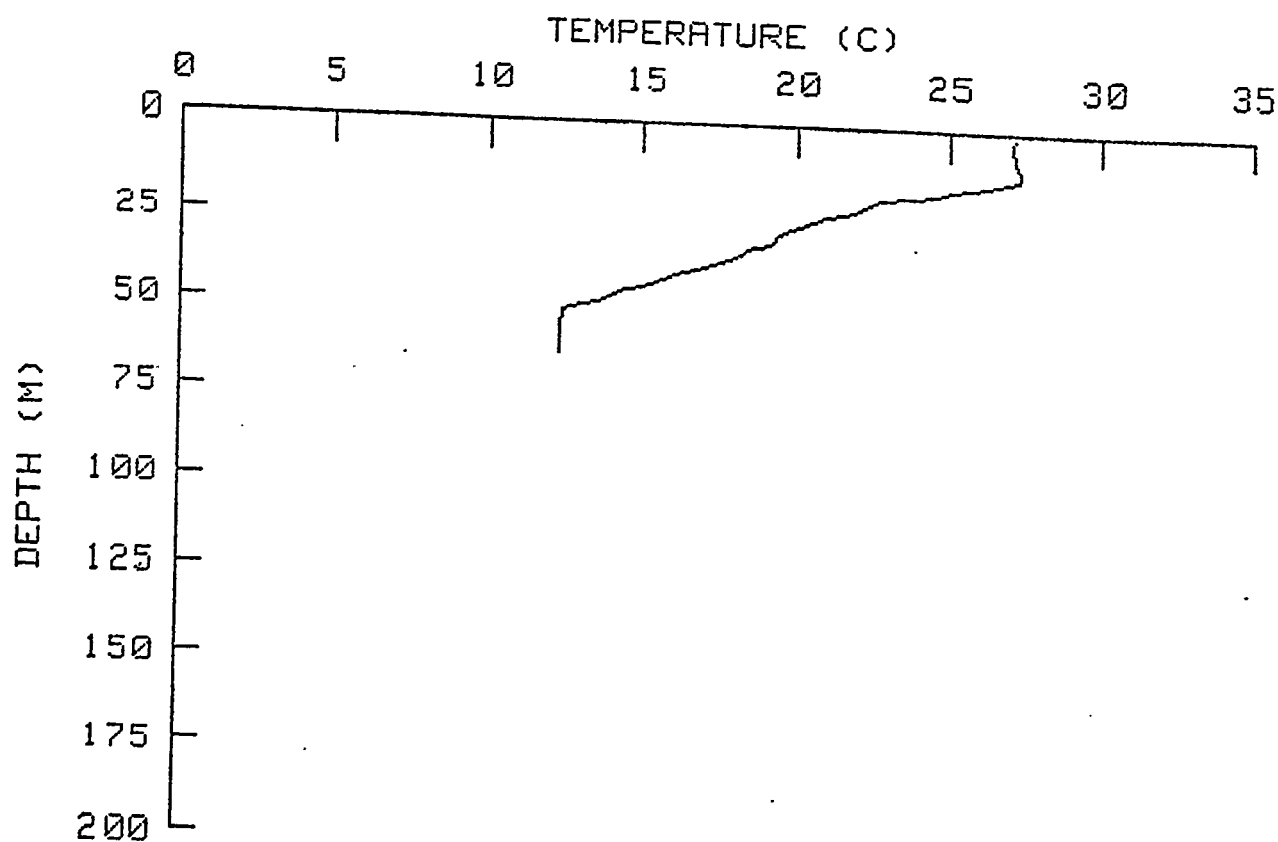
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.95	25.91	25.91	25.91	25.91	25.92	25.95	25.99
10	25.97	25.92	25.88	25.87	25.87	25.86	25.86	25.71	25.71	25.71
20	25.71	25.49	25.21	24.72	24.23	24.05	23.97	23.94	23.90	23.04
30	21.95	21.13	20.66	20.23	20.18	20.13	19.80	19.45	19.22	18.91
40	18.41	17.86	17.16	16.92	16.81	16.70	16.59	16.42	16.23	16.11
50	16.12	15.45	15.31	15.26	15.22	15.18	15.08	14.99	14.91	14.87
60	14.83	14.80	14.80	14.82	14.93	15.03	15.14	14.88	14.68	14.55
70	14.50	14.44	14.39	14.34	14.28	14.23	14.13	14.02	13.90	13.83
80	13.77	13.71	13.65	13.75	13.91	14.01	13.94	13.91	14.03	14.16
90	14.21	14.14	14.18	14.26	14.17	14.04	13.91	13.84	13.81	13.78
100	13.75	13.72	13.70	13.72	13.74	13.76	13.78	13.81	13.81	13.79
110	13.78	13.76	13.75	13.73	13.70	13.66	13.62	13.59	13.55	13.53
120	13.52	13.50	13.49	13.47	13.45	13.43	13.42	13.40	13.38	13.40
130	13.41	13.43	13.45	13.47	13.49	13.51	13.36	13.31	13.33	13.36
140	13.39	13.41	13.41	13.41	13.41	13.41	13.41	13.41	13.38	13.36
150	13.33	13.30	13.27	13.25	13.18	13.11	13.03	12.95	12.93	12.92
160	12.91	12.90	12.89	12.87	12.85	12.81	12.76	12.71	12.66	12.61
170	12.55	12.46	12.38	12.32	12.29	12.25	12.21	12.17	12.13	12.13
180	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.09	12.04
190	11.99	11.94	11.89	11.87	11.85	11.83	11.81	11.80	11.78	11.76
200	-	-	-	-	-	-	-	-	-	-

STATION 063X DATE 04 SEPT 80 TIME 1025 LAT 35-39.5N LON 74-50.0W DEPTH(M) 100 SST(C) 27.6



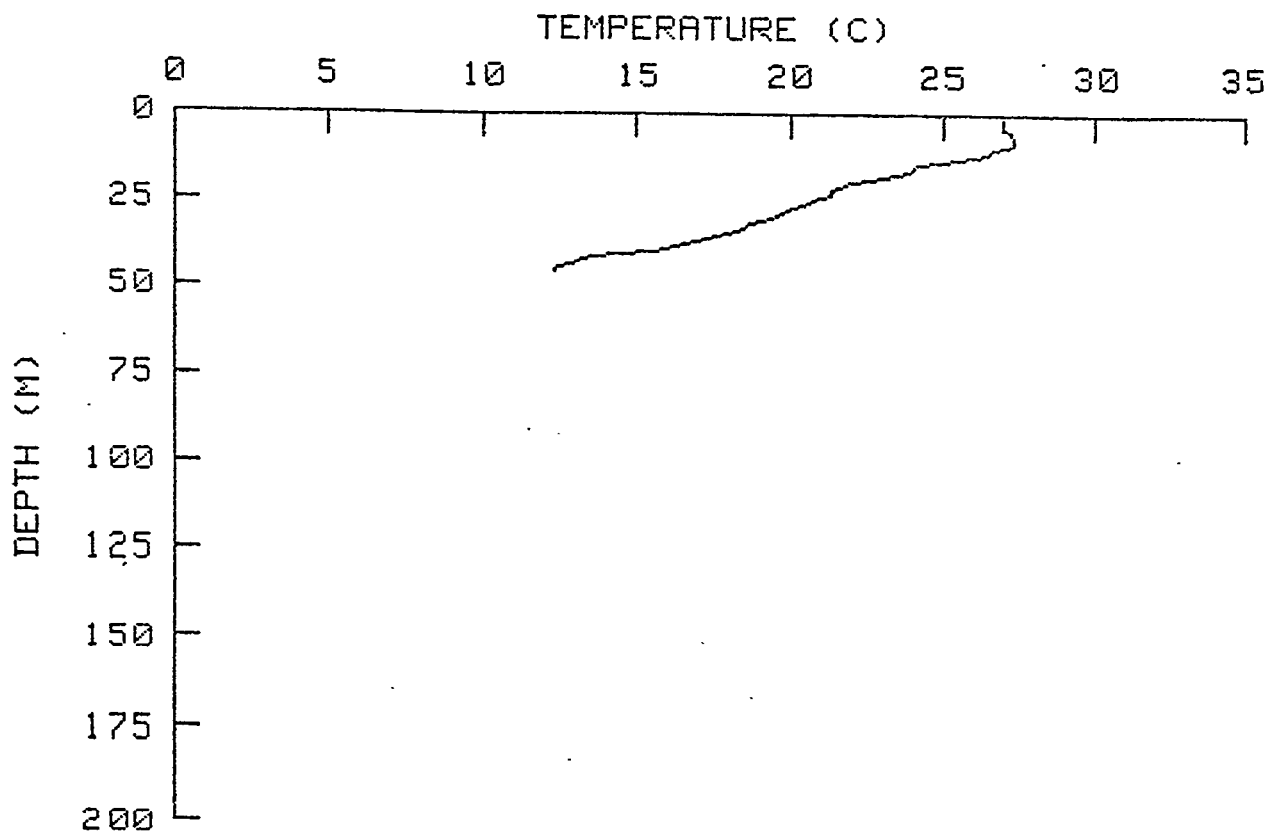
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	26.93	26.99	27.03	27.07	27.10	27.12	27.12
10	27.12	27.12	27.12	27.13	27.13	27.13	26.85	26.55	25.72	24.88
20	23.71	22.66	21.44	20.88	20.24	19.85	19.51	19.16	19.11	19.07
30	18.83	18.72	18.62	18.58	18.56	18.53	18.51	18.31	17.98	17.81
40	17.31	16.68	16.49	16.42	16.37	16.11	15.76	15.45	15.35	15.24
50	14.99	14.85	14.81	14.65	14.46	13.72	12.96	12.48	12.25	12.24
60	12.23	12.22	12.21	12.21	12.20	12.20	12.20	12.20	12.20	12.20
70	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20
80	12.20	12.20	12.20	12.20	12.20	12.20	12.21	12.22	12.24	12.26
90	12.27	12.29	12.29	12.30	12.30	12.31	12.31	12.31	12.32	12.34
100	12.36	12.38	12.39	12.41	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 064X DATE 04 SEPT 80 TIME 1222 LAT 35-39.8N LON 74-50.6W DEPTH(M) 64 SST(C) 27.6



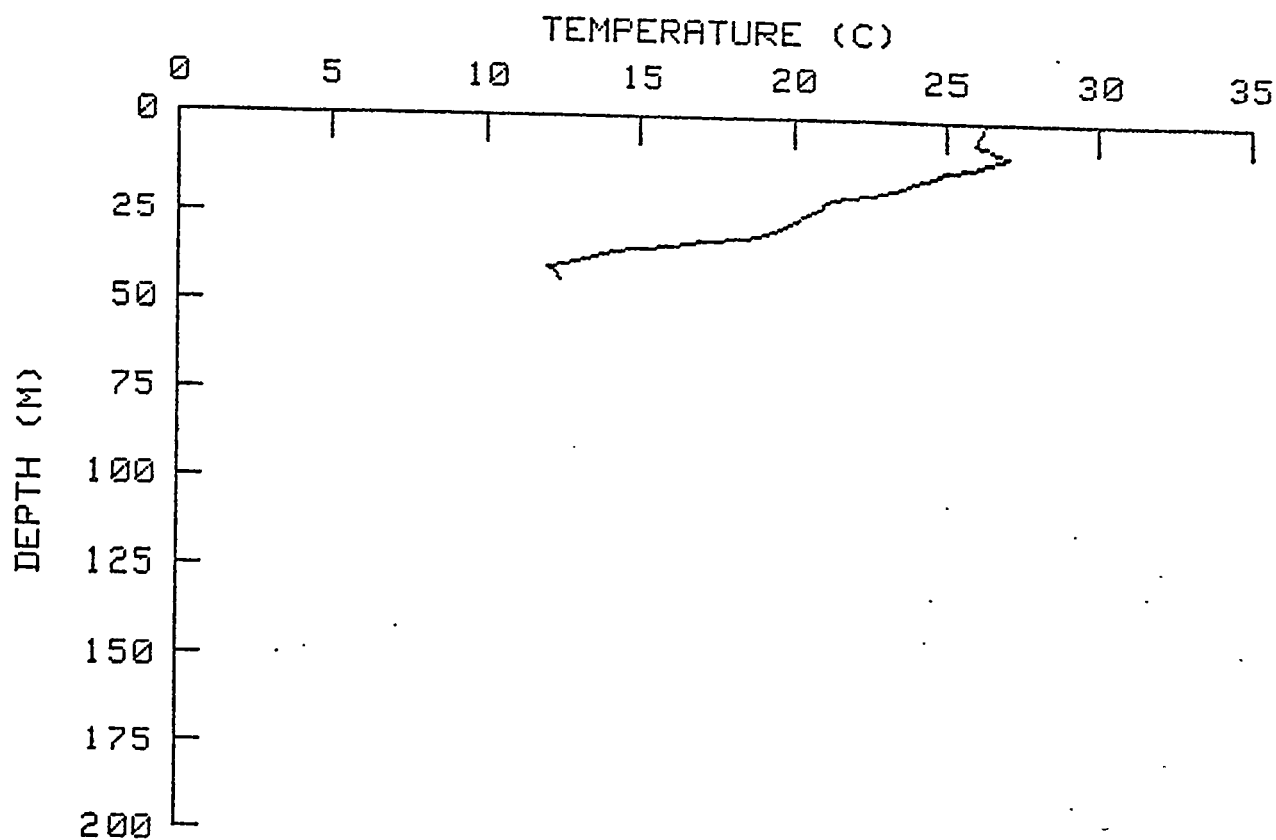
	0	1	2	3	4	5	6	7	8	9
0	-	-	27.13	27.09	27.10	27.12	27.14	27.16	27.20	27.25
10	27.29	27.31	27.31	27.20	26.77	26.36	25.29	24.71	24.32	23.36
20	22.62	22.38	22.17	21.82	21.33	20.89	20.55	20.22	19.88	19.68
30	19.40	19.31	19.22	18.89	18.47	18.28	18.15	17.89	17.46	17.01
40	16.53	16.12	15.86	15.64	15.32	14.99	14.49	14.22	13.91	13.55
50	13.11	12.58	12.38	12.37	12.36	12.35	12.34	12.33	12.33	12.33
60	12.33	12.33	12.34	12.34	12.34	12.34	12.34	12.34	12.34	12.34
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 065X 04 SEPT 80 1250 35-39.8N 74-53.7W 48 27.5



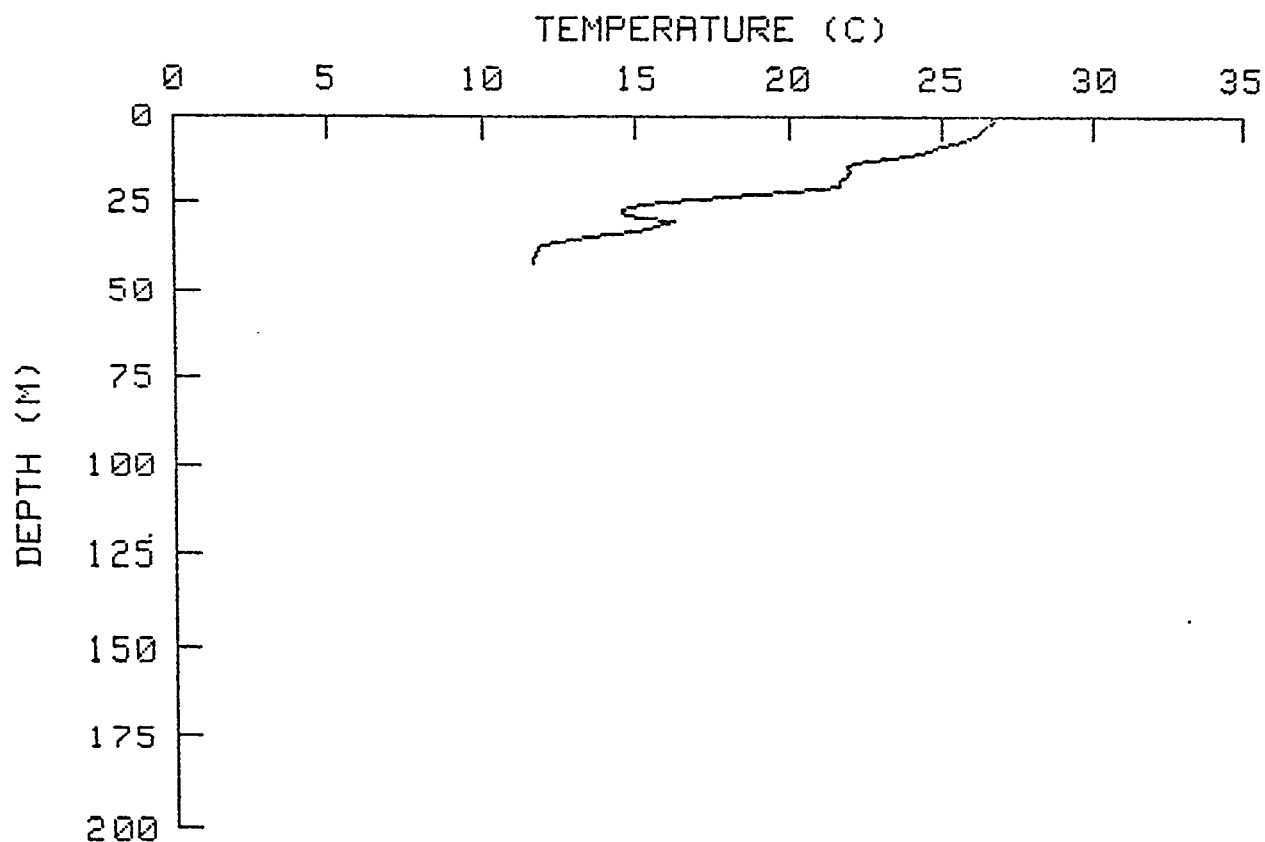
	0	1	2	3	4	5	6	7	8	9
0	-	-	27.01	27.01	27.01	27.10	27.22	27.27	27.30	27.26
10	26.89	26.58	26.48	26.11	24.88	24.22	24.01	23.88	23.54	22.85
20	22.28	21.83	21.46	21.32	21.31	20.96	20.61	20.28	19.98	19.82
30	19.46	19.04	18.73	18.54	18.37	17.87	17.40	17.02	16.62	16.15
40	15.35	14.20	13.40	12.99	12.53	12.36	12.30	12.28	12.25	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 066X DATE 04 SEPT 80 TIME 1405 LAT 35-33.7N LON 74-57.2W DEPTH(M) 40 SST(C) 27.0



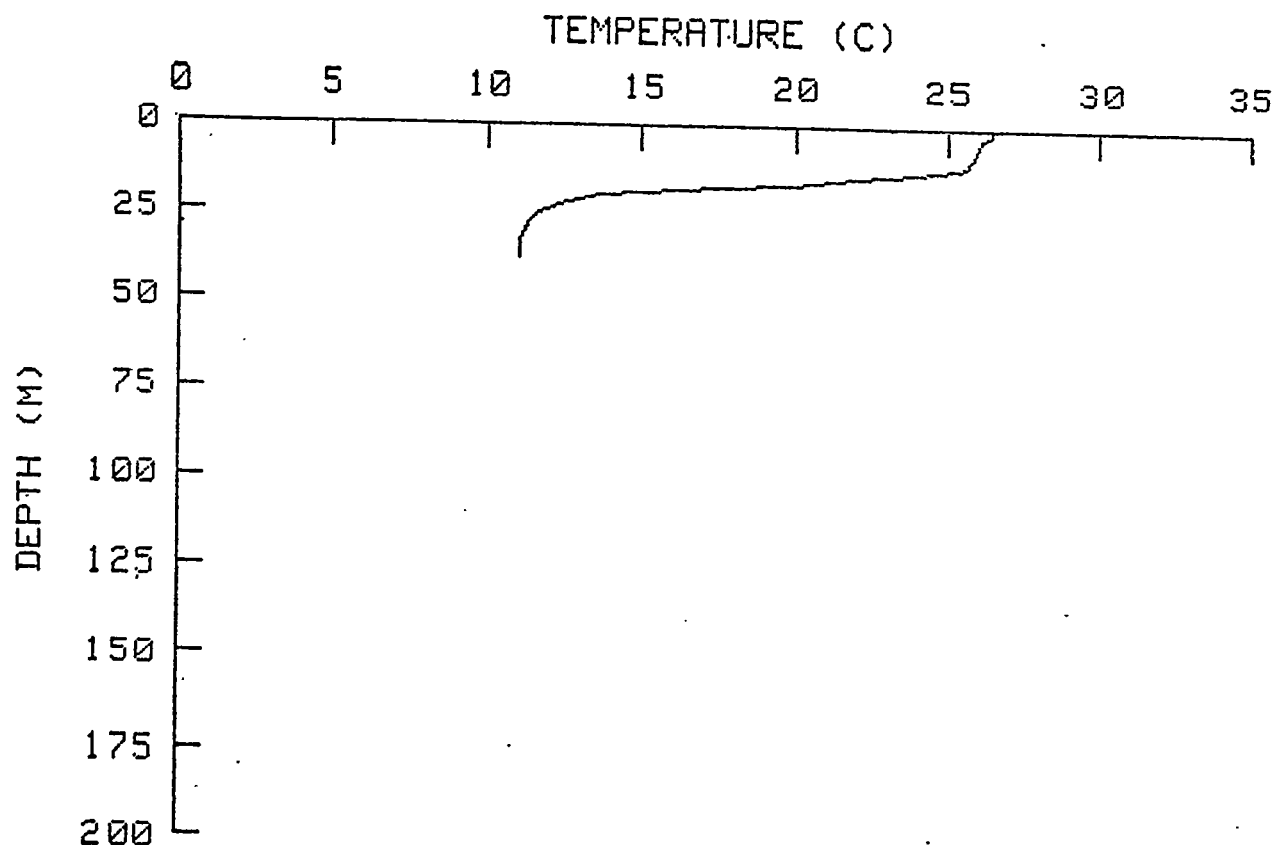
	0	1	2	3	4	5	6	7	8	9
0	-	26.26	26.20	26.13	26.06	25.99	26.20	26.54	26.93	26.81
10	26.44	25.95	25.29	24.76	24.39	24.05	23.78	23.45	22.87	22.09
20	21.45	21.09	21.01	20.94	20.72	20.39	20.22	20.03	19.77	19.56
30	19.35	18.91	18.36	16.84	15.81	14.70	13.99	13.54	13.12	12.64
40	12.14	12.15	12.30	12.41	12.45	12.47	12.49	12.51	12.53	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 067X 04 SEPT 80 1440 35-34.8N 75-01.0W 46 27.2



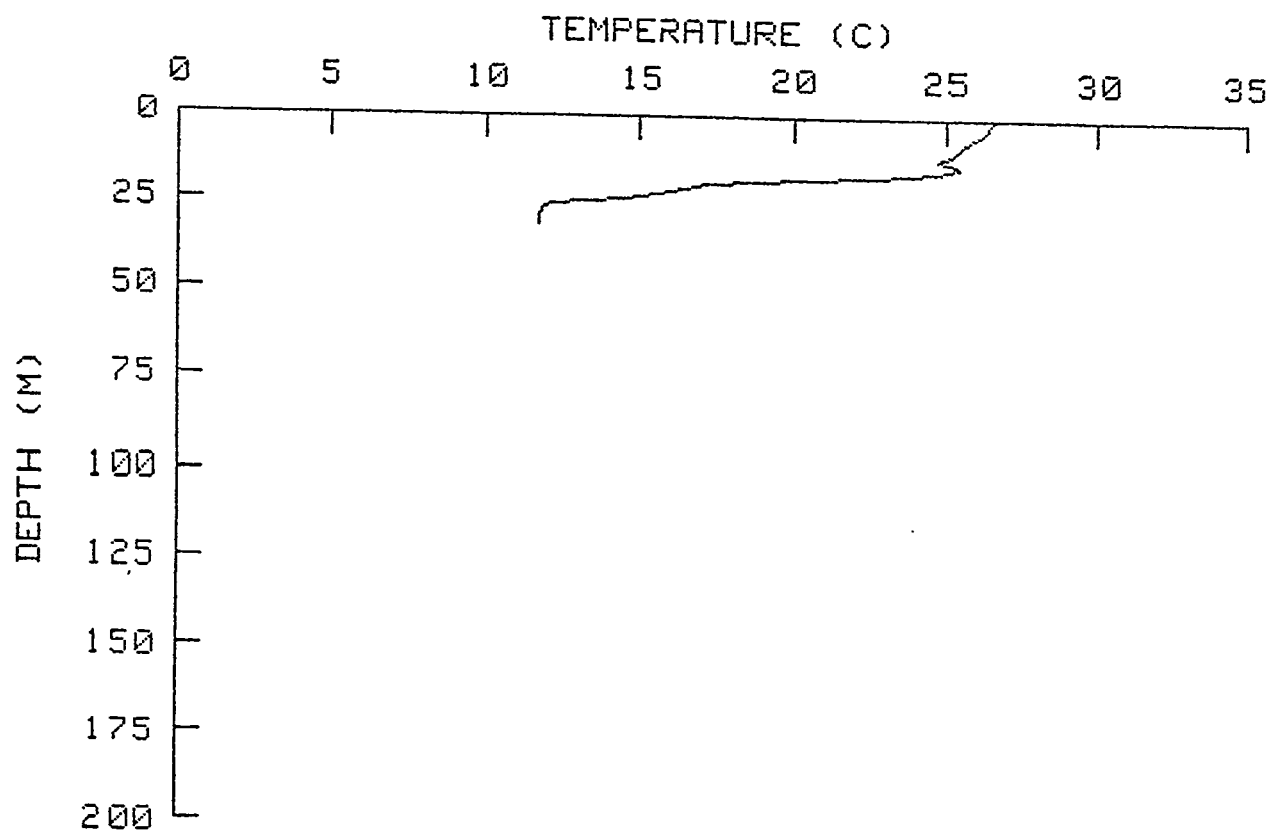
	0	1	2	3	4	5	6	7	8	9
0	-	26.60	26.64	26.51	26.36	26.25	26.15	25.90	25.60	25.16
10	24.81	24.50	23.99	23.30	22.37	21.95	21.96	21.99	21.89	21.76
20	21.69	21.56	20.95	19.56	18.06	16.55	15.49	14.70	14.53	14.88
30	15.85	16.03	15.70	15.03	14.28	13.49	12.49	11.87	11.83	11.79
40	11.75	11.73	11.70	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 088X DATE 04 SEPT 80 TIME 1524 LAT 35-35.5N LON 75-05.8W DEPTH(M) 40 SST(C) 27.1



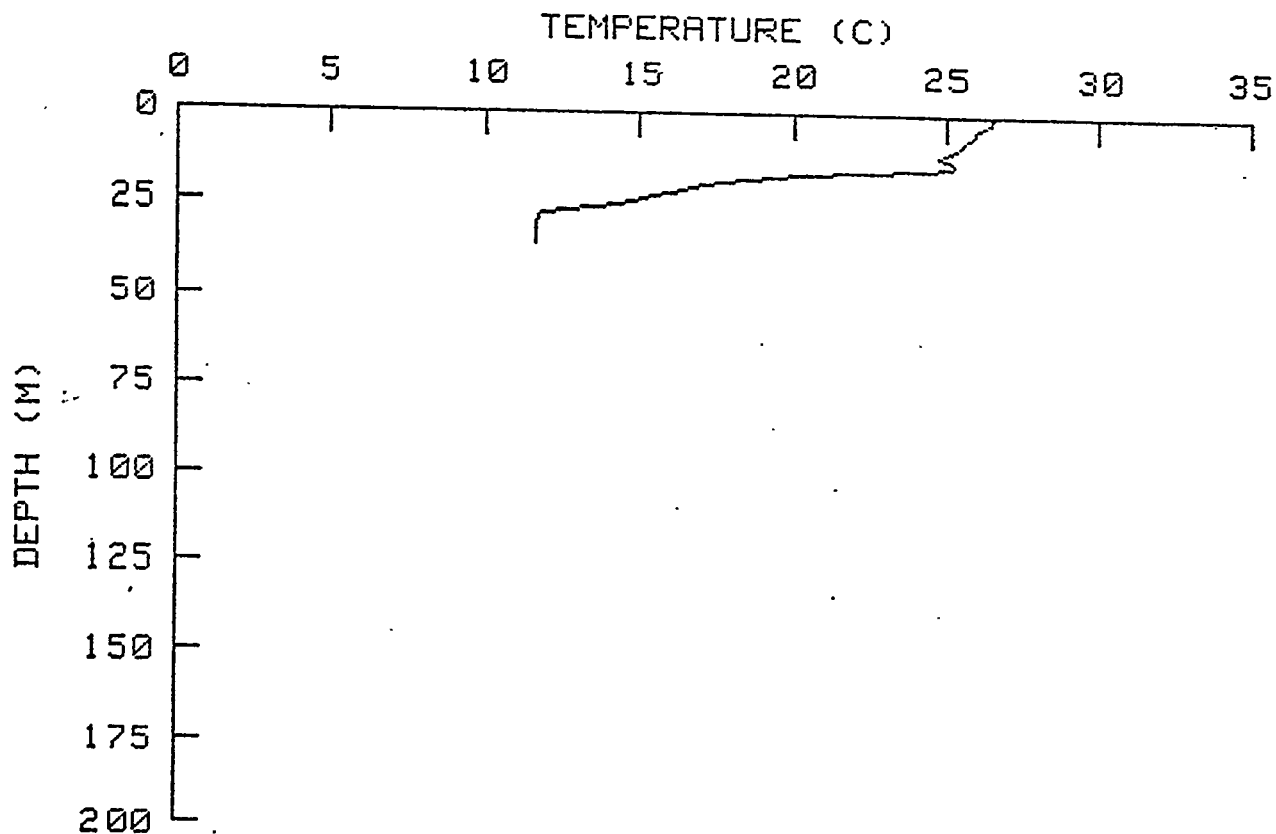
	0	1	2	3	4	5	6	7	8	9
0	-	26.51	26.42	26.20	26.08	26.02	25.97	25.93	25.85	25.77
10	25.69	25.63	25.34	24.52	23.38	22.01	20.92	19.78	17.86	16.12
20	14.42	13.37	12.80	12.44	12.09	11.70	11.57	11.47	11.39	11.28
30	11.23	11.17	11.14	11.11	11.10	11.10	11.10	11.10	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 069X DATE 04 SEPT 80 TIME 1600 LAT 35-36.0N LON 75-07.0W DEPTH(M) 36 SST(C) 27.2



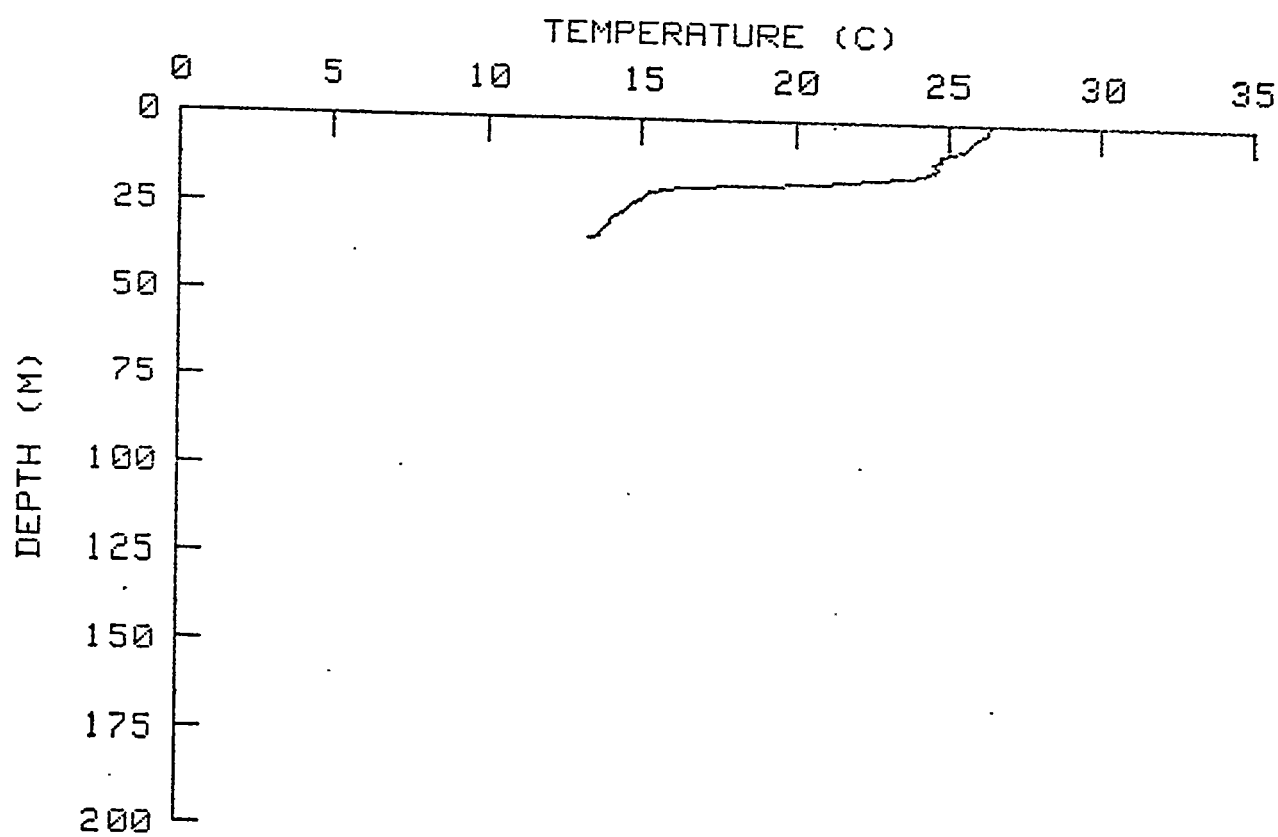
	0	1	2	3	4	5	6	7	8	9
0	-	26.53	26.45	26.39	26.31	26.18	25.97	25.76	25.54	25.42
10	25.30	25.19	24.82	24.83	25.29	25.42	24.90	23.60	21.63	19.32
20	17.44	16.72	16.13	15.41	14.65	13.70	12.49	11.87	11.78	11.76
30	11.74	11.72	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 070X DATE 04 SEPT 80 TIME 1612 LAT 35-36.5N LON 75-10.7W DEPTH(M) 36 SST(C) 27.2



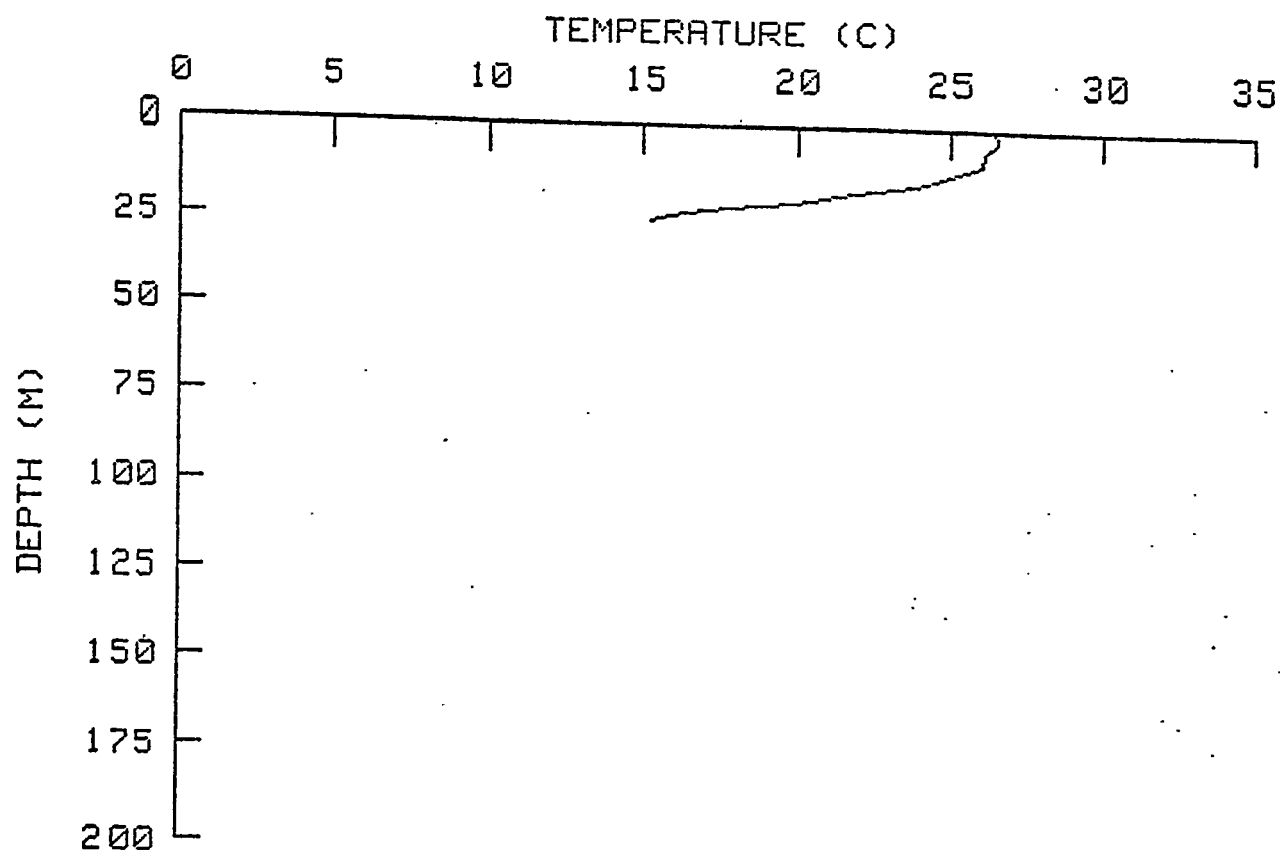
	0	1	2	3	4	5	6	7	8	9
0	-	26.53	26.46	26.30	26.07	25.98	25.87	25.68	25.50	25.40
10	25.31	25.05	24.79	25.03	25.27	25.13	24.31	21.55	19.49	18.06
20	17.09	16.54	16.19	15.57	14.93	14.26	13.15	12.19	11.76	11.70
30	11.68	11.68	11.68	11.68	11.65	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 071X DATE 04 SEPT 80 TIME 1645 LAT 35-37.8N LON 75-13.8W DEPTH(M) 35 SST(C) 27.1



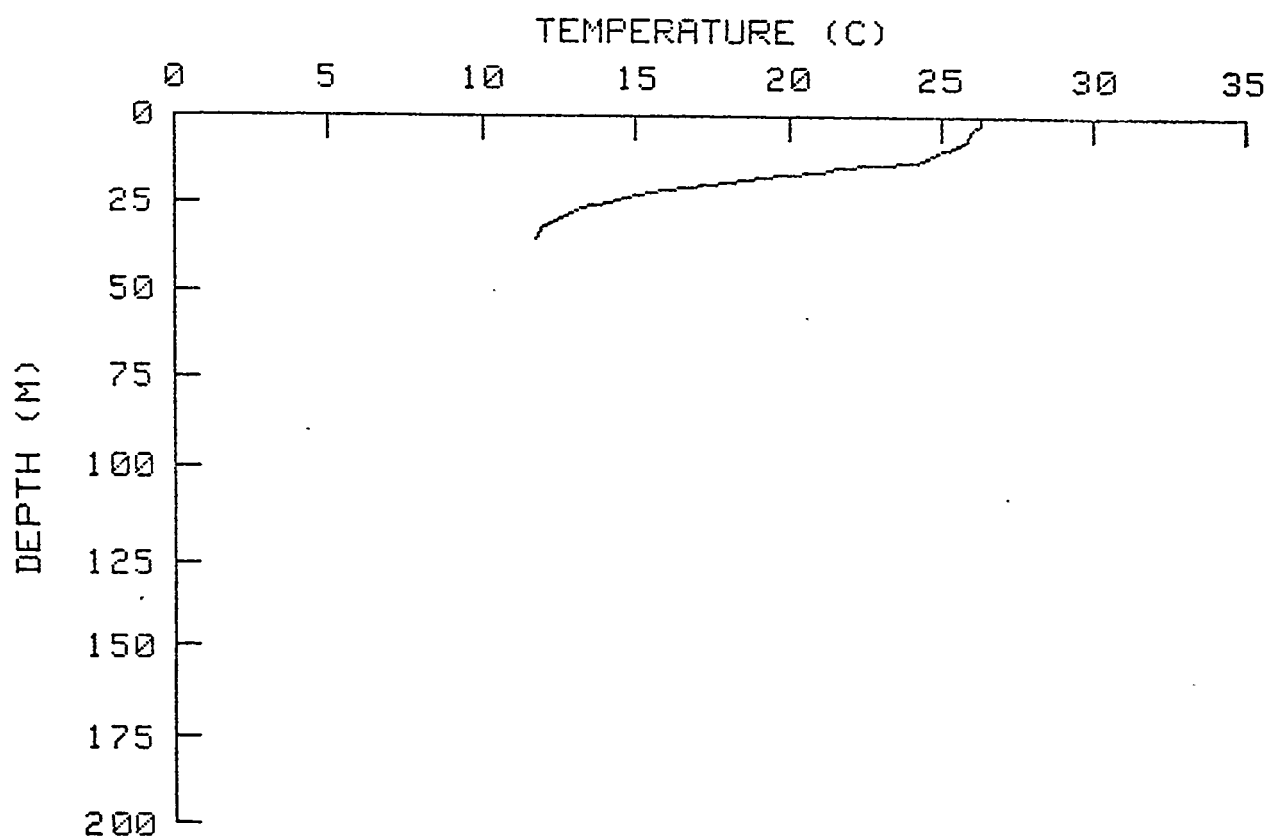
	0	1	2	3	4	5	6	7	8	9
0	-	26.39	26.32	26.20	26.04	25.89	25.74	25.60	25.32	24.93
10	24.73	24.61	24.51	24.56	24.38	24.09	23.54	22.05	20.41	17.80
20	16.05	15.42	15.10	14.89	14.71	14.61	14.49	14.29	14.09	14.00
30	13.92	13.82	13.72	13.65	13.37	13.12	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 072X DATE 04 SEPT 80 TIME 1830 LAT 35-40.2N LON 75-15.3W DEPTH(M) 27 SST(C) 26.0



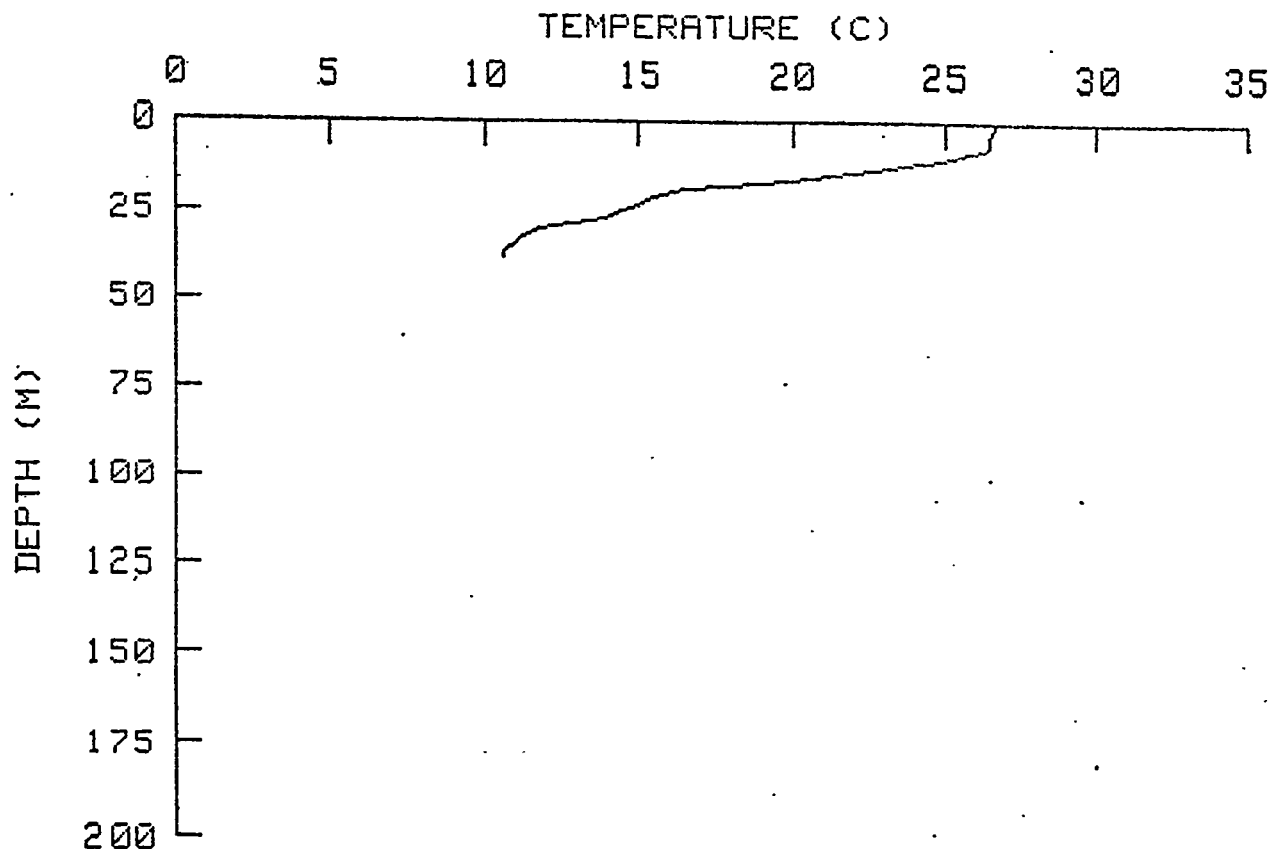
	0	1	2	3	4	5	6	7	8	9
0	-	26.49	26.50	26.50	26.44	26.31	26.19	26.10	26.07	26.05
10	25.96	25.61	25.30	25.01	24.67	24.17	23.48	22.66	21.80	21.18
20	20.60	20.07	18.01	16.95	16.17	15.60	15.30	15.19	-	-
30	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 073X DATE 04 SEPT 80 TIME 1850 LAT 35-42.3N LON 75-10.1W DEPTH(M) 37 SST(C) 26.6



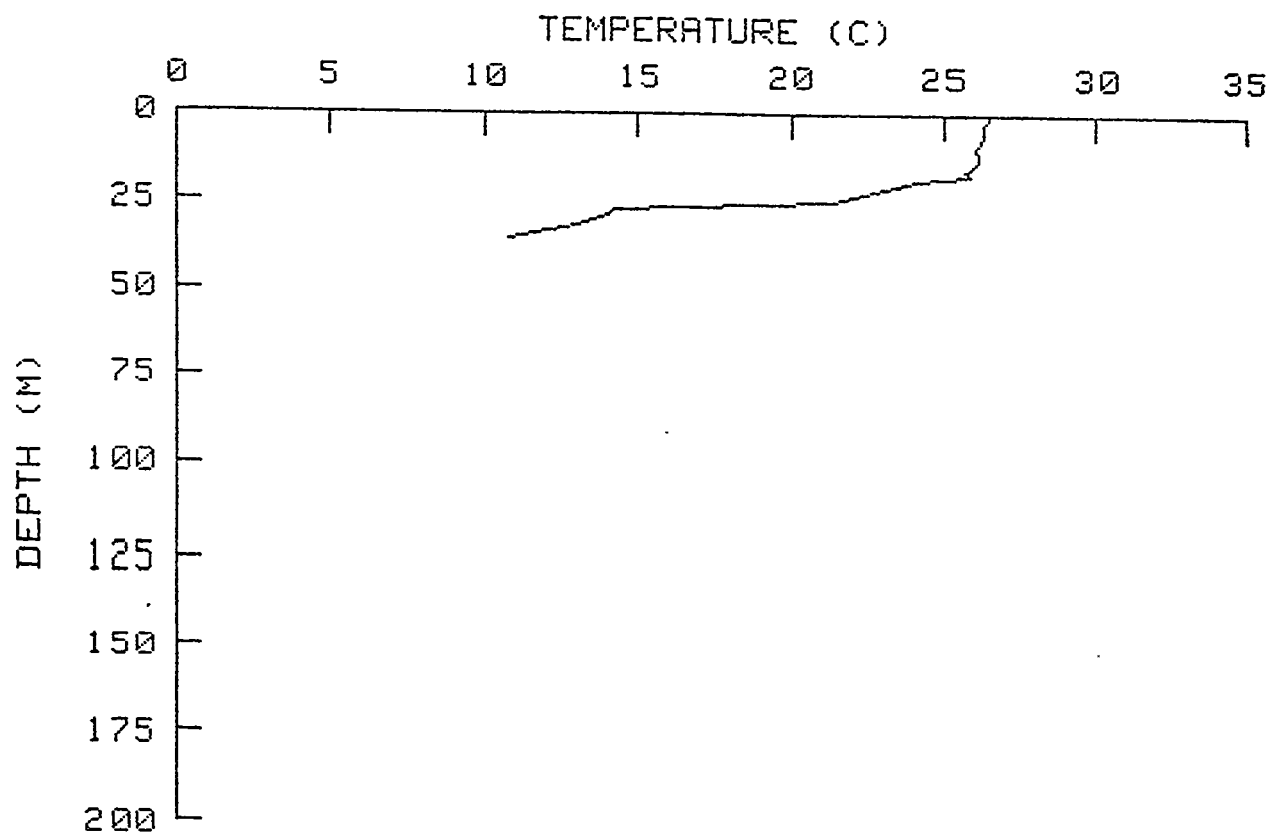
	0	1	2	3	4	5	6	7	8	9
0	-	26.27	26.27	26.17	26.01	25.94	25.89	25.78	25.58	25.38
10	25.12	24.87	24.60	24.28	23.30	21.82	21.20	20.31	19.29	18.26
20	17.36	16.49	15.70	15.05	14.56	14.28	13.78	13.20	12.96	12.71
30	12.42	12.15	11.98	11.92	11.86	11.81	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 074X DATE 04 SEPT 80 TIME 1933 LAT 35-43.8N LON 75-04.0W DEPTH(M) 45 SST(C) 26.8



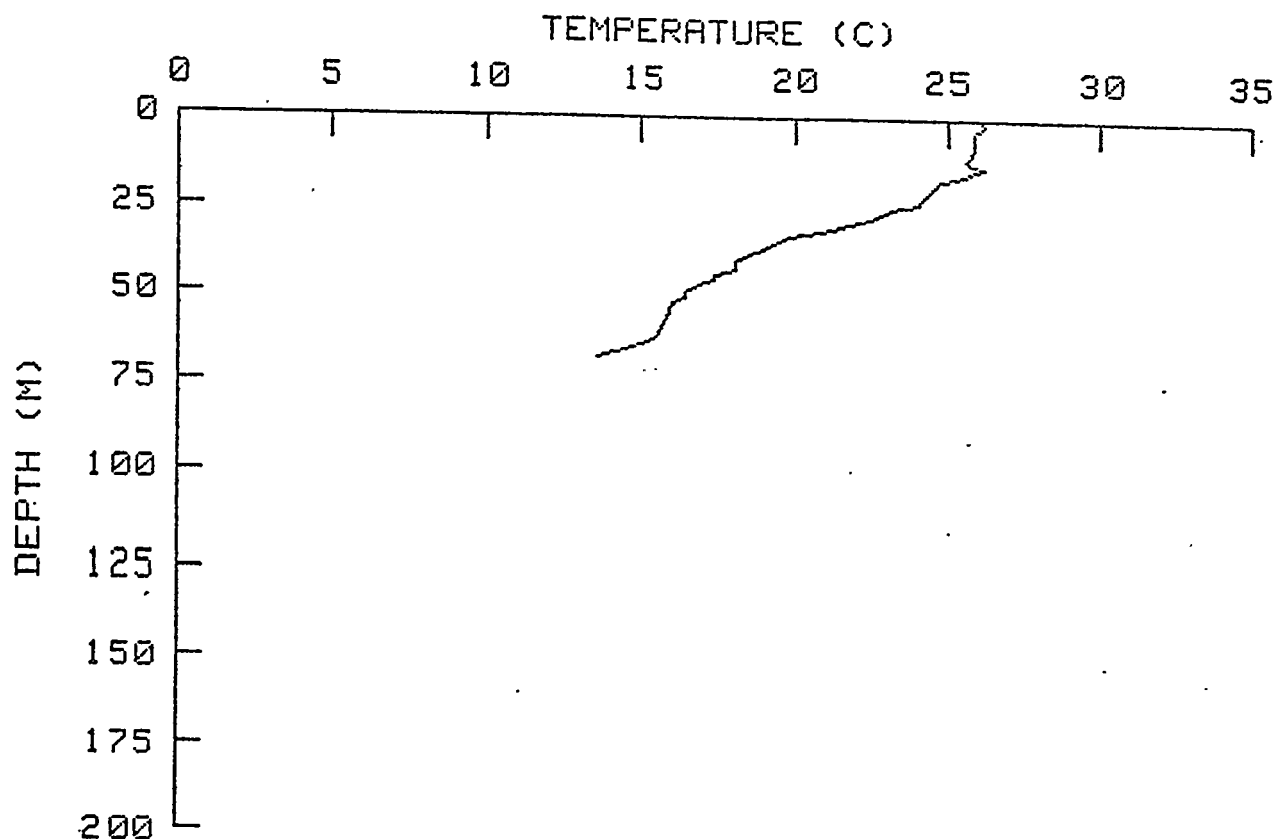
	0	1	2	3	4	5	6	7	8	9
0	-	26.55	26.62	26.55	26.51	26.48	26.46	26.45	26.28	25.84
10	25.40	24.97	24.16	23.34	22.62	21.79	20.95	19.95	18.81	17.34
20	16.31	15.80	15.34	15.07	14.81	14.54	14.28	14.03	13.46	12.71
30	12.04	11.62	11.37	11.16	11.03	10.89	10.72	10.65	10.61	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 075X DATE 04 SEPT 80 TIME 2000 LAT 35-45.3N LON 74-57.9W DEPTH(M) 56 SST(C) 26.6



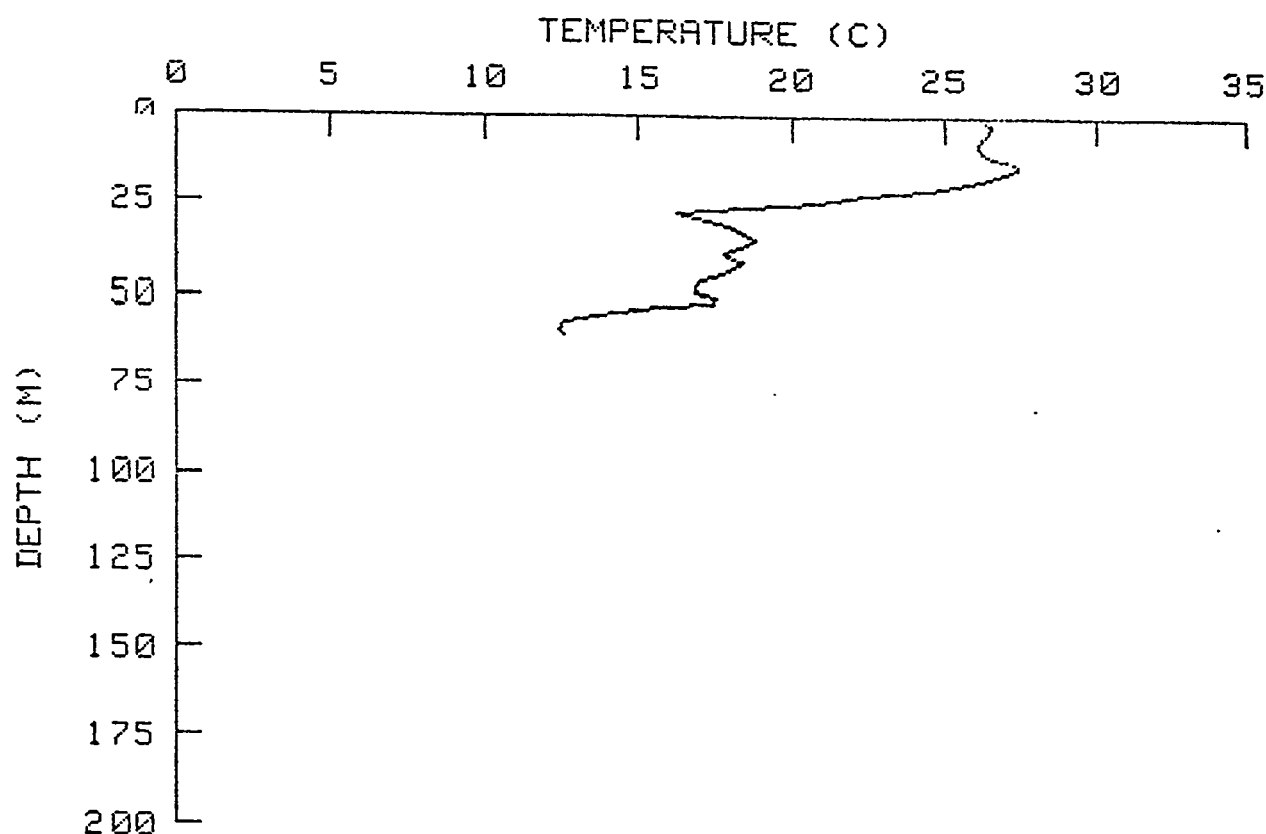
	0	1	2	3	4	5	6	7	8	9
0	-	26.42	26.44	26.30	26.26	26.25	26.25	26.25	26.19	26.13
10	26.08	26.05	26.11	26.13	26.08	25.94	25.78	25.68	25.78	24.28
20	23.70	23.27	22.86	22.40	21.94	21.47	18.64	15.04	14.16	13.86
30	13.60	13.36	13.07	12.47	11.80	11.09	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 076X DATE 04 SEPT 80 TIME 2202 LAT 35-48.1N LON 74-53.2W DEPTH(M) 84 SST(C) 26.5



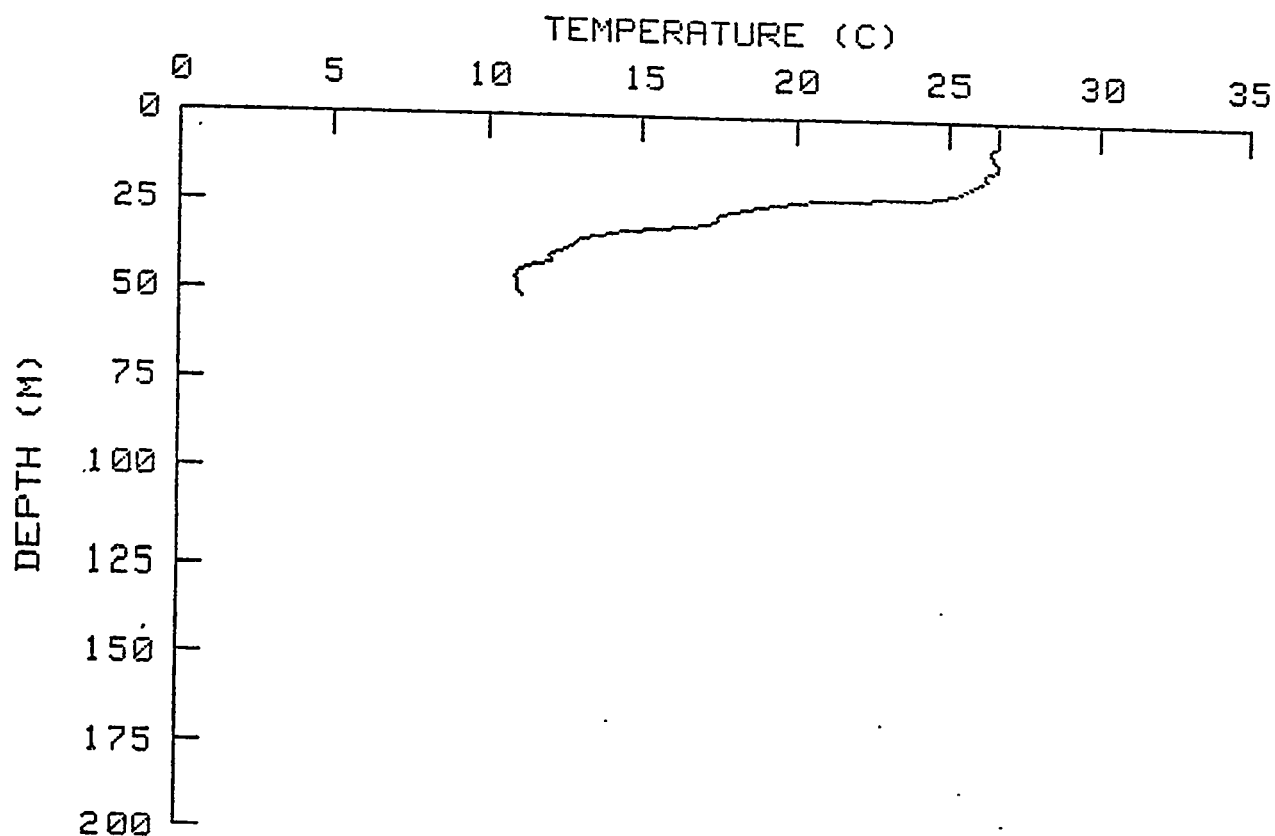
	0	1	2	3	4	5	6	7	8	9
0	-	26.14	26.14	25.99	25.87	25.82	25.82	25.82	25.82	25.79
10	25.73	25.64	25.70	25.94	26.16	25.75	25.35	24.93	24.69	24.58
20	24.47	24.35	24.22	24.12	23.92	23.41	23.06	22.88	22.60	22.17
30	21.57	21.16	20.68	19.93	19.65	19.44	19.20	18.96	18.69	18.35
40	18.23	18.11	18.07	17.94	17.53	17.40	17.35	17.02	16.75	16.53
50	16.45	16.39	16.16	16.02	15.96	15.90	15.85	15.80	15.74	15.69
60	15.64	15.57	15.41	15.26	15.00	14.73	14.31	13.90	13.64	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 077X DATE 04 SEPT 80 TIME 2230 LAT 35-49.8N LON 74-56.3W DEPTH(M) 64 SST(C) 26.9



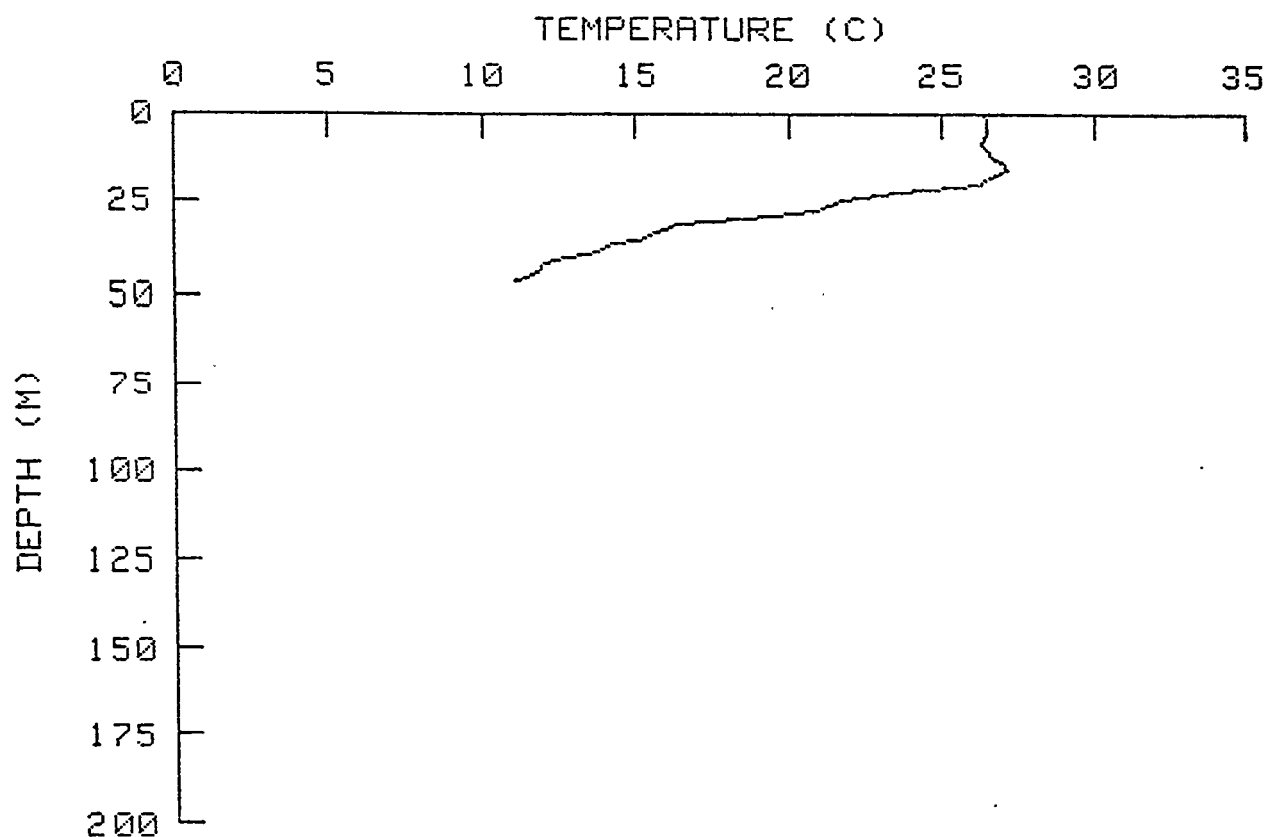
	0	1	2	3	4	5	6	7	8	9
0	-	-	26.45	26.53	26.48	26.36	26.26	26.20	26.18	26.16
10	26.20	26.41	26.72	27.14	27.33	27.37	27.04	26.73	26.42	26.00
20	25.47	24.77	23.56	22.26	21.68	21.14	20.01	18.19	16.81	16.48
30	16.89	17.47	17.97	18.28	18.46	18.66	18.76	18.59	18.23	17.93
40	17.98	18.23	18.35	18.17	17.79	17.38	17.09	16.93	16.85	17.09
50	17.45	17.52	16.75	15.41	14.24	13.38	12.82	12.57	12.48	12.54
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 078X DATE 04 SEPT 80 TIME 2247 LAT 35-51.6N LON 74-58.8W DEPTH(M) 53 SST(C) 26.8



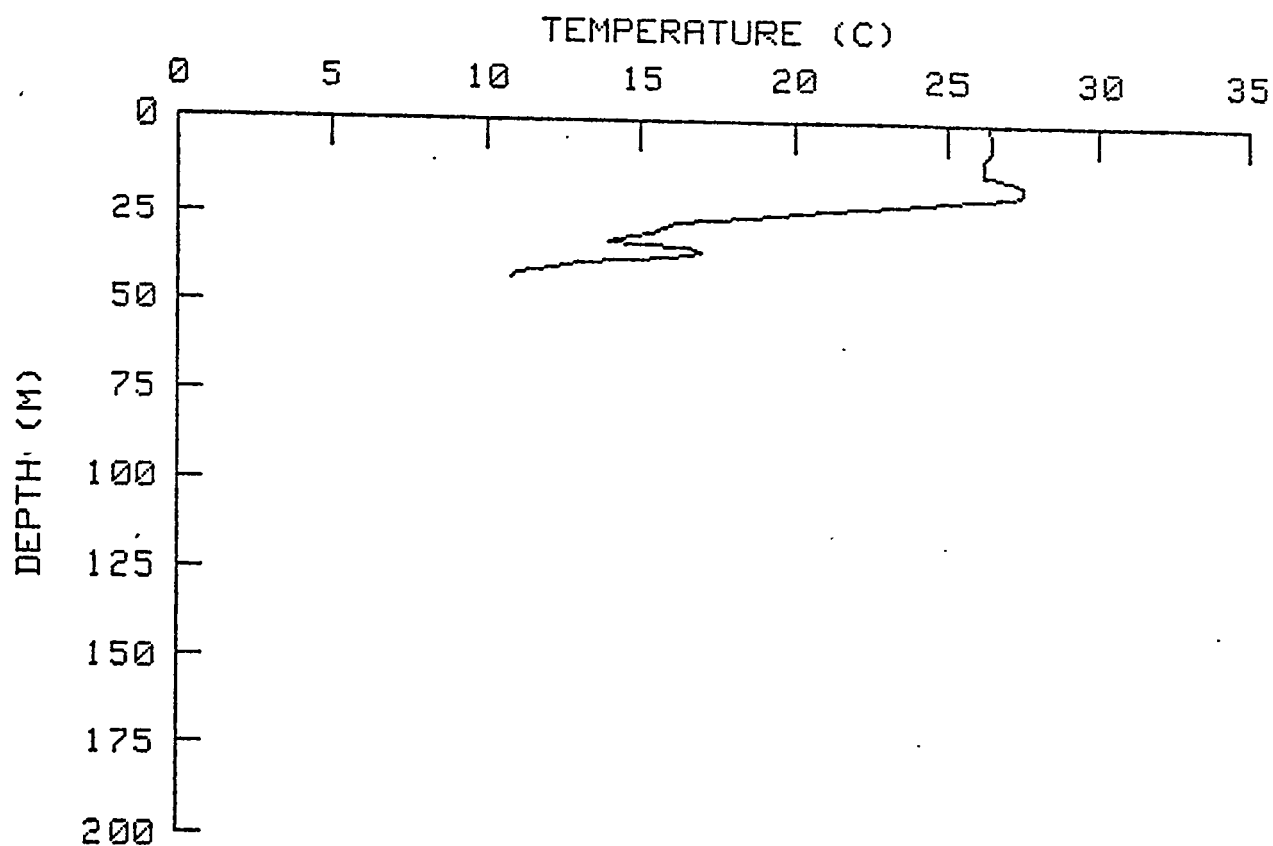
	0	1	2	3	4	5	6	7	8	9
0	-	26.51	26.56	26.60	26.63	26.65	26.64	26.61	26.44	26.37
10	26.42	26.50	26.63	26.64	26.45	26.26	26.26	26.13	25.82	25.59
20	25.36	25.00	24.40	22.18	20.13	19.19	18.54	17.97	17.57	17.45
30	17.26	16.39	15.22	14.30	13.61	13.13	12.94	12.80	12.43	12.06
40	11.97	12.04	11.57	11.14	11.04	10.96	10.92	10.99	11.00	10.99
50	11.03	11.13	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 079X DATE 04 SEPT 80 TIME 2300 LAT 35-53.8N LON 74-59.0W DEPTH(M) 53 SST(C) 26.5



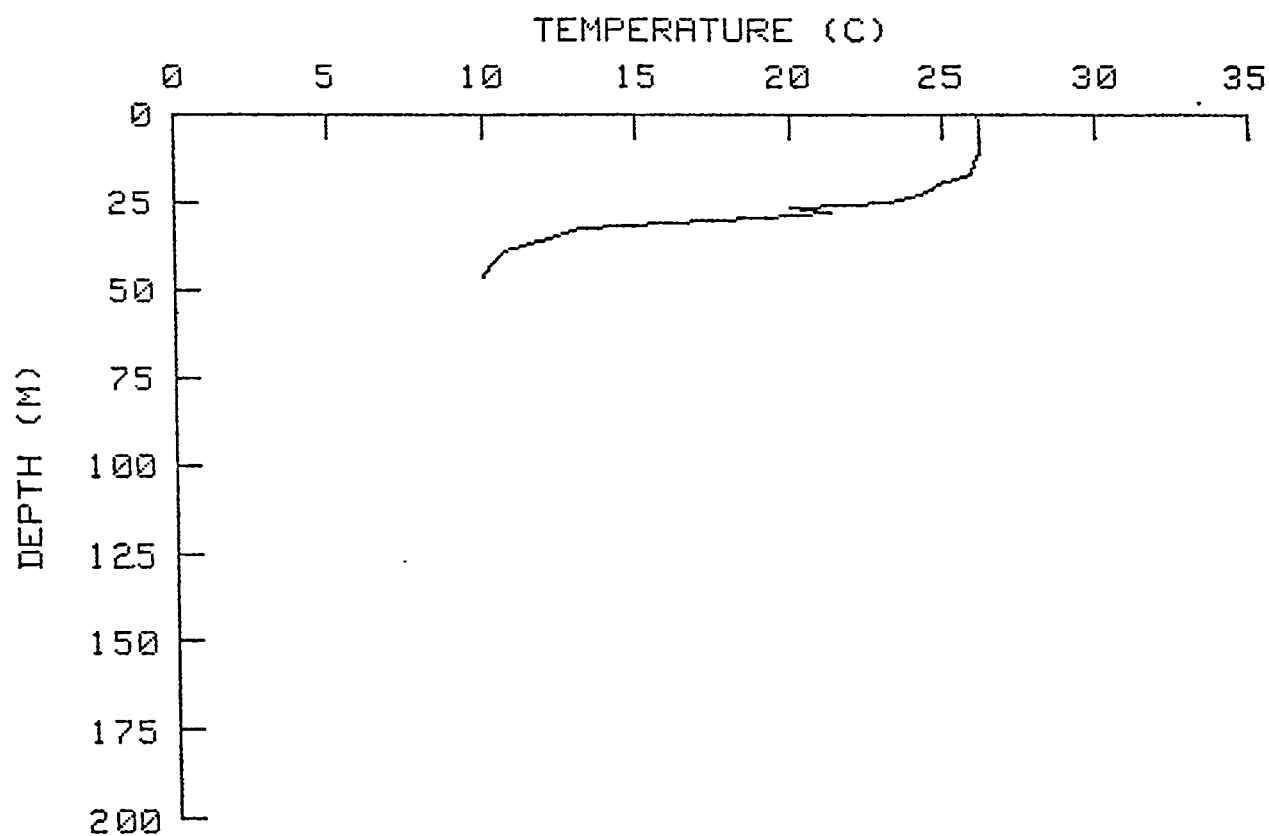
	0	1	2	3	4	5	6	7	8	9
0	-	-	26.42	26.48	26.48	26.48	26.48	26.39	26.28	26.25
10	26.35	26.47	26.57	26.67	26.87	26.99	27.04	27.07	26.76	26.52
20	26.35	25.99	24.78	23.57	22.71	21.85	21.56	21.34	21.02	20.28
30	19.19	17.53	16.28	16.00	15.71	15.41	15.10	14.42	14.02	13.74
40	13.04	12.50	12.05	11.93	11.87	11.66	11.29	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 060X DATE 04 SEPT 80 TIME 2330 LAT 35-50.4N LON 74-58.7W DEPTH(M) 52 SST(C) 26.7



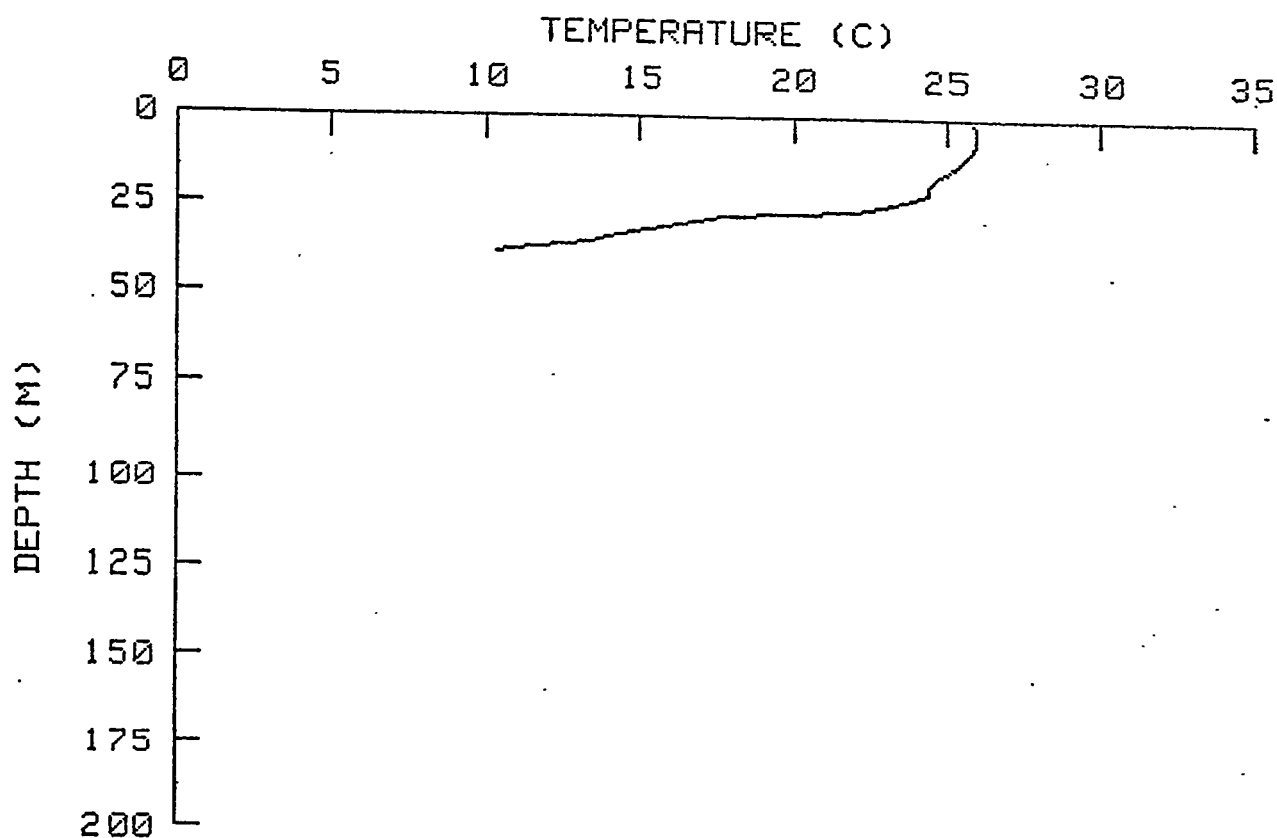
	0	1	2	3	4	5	6	7	8	9
0	-	-	26.38	26.43	26.43	26.43	26.43	26.36	26.29	26.20
10	26.18	26.18	26.18	26.44	26.87	27.30	27.49	27.49	27.47	27.29
20	26.38	25.10	23.71	22.30	20.89	19.52	18.16	16.79	16.00	15.71
30	15.48	14.94	14.15	14.60	16.14	16.82	16.53	15.83	14.03	12.68
40	11.97	11.25	10.90	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 081X 05 SEPT 80 0001 36-03.4N 74-57.9W 48 26.4



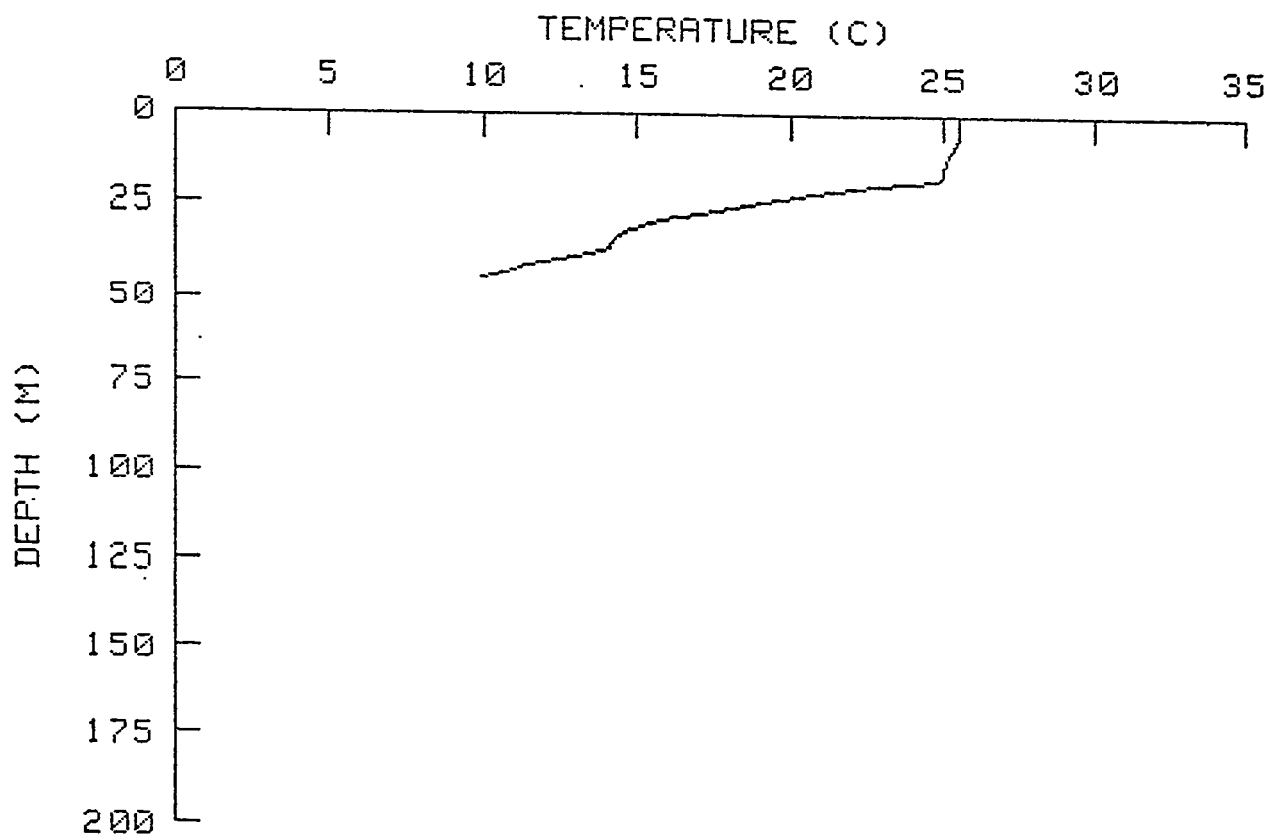
	0	1	2	3	4	5	6	7	8	9
0	-	-	26.12	26.16	26.16	26.16	26.16	26.16	26.16	26.16
10	26.16	26.16	26.12	26.08	26.03	25.99	25.95	25.91	25.62	25.27
20	24.89	24.77	24.59	24.29	23.81	23.20	21.35	20.18	21.27	20.26
30	18.10	16.16	14.19	13.01	12.60	12.25	11.95	11.65	11.24	10.76
40	10.63	10.53	10.43	10.33	10.23	10.14	10.06	10.07	10.13	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 082X DATE 05 SEPT 80 TIME 0030 LAT 36-08.8N LON 74-56.8W DEPTH(M) 40 SST(C) 26.2



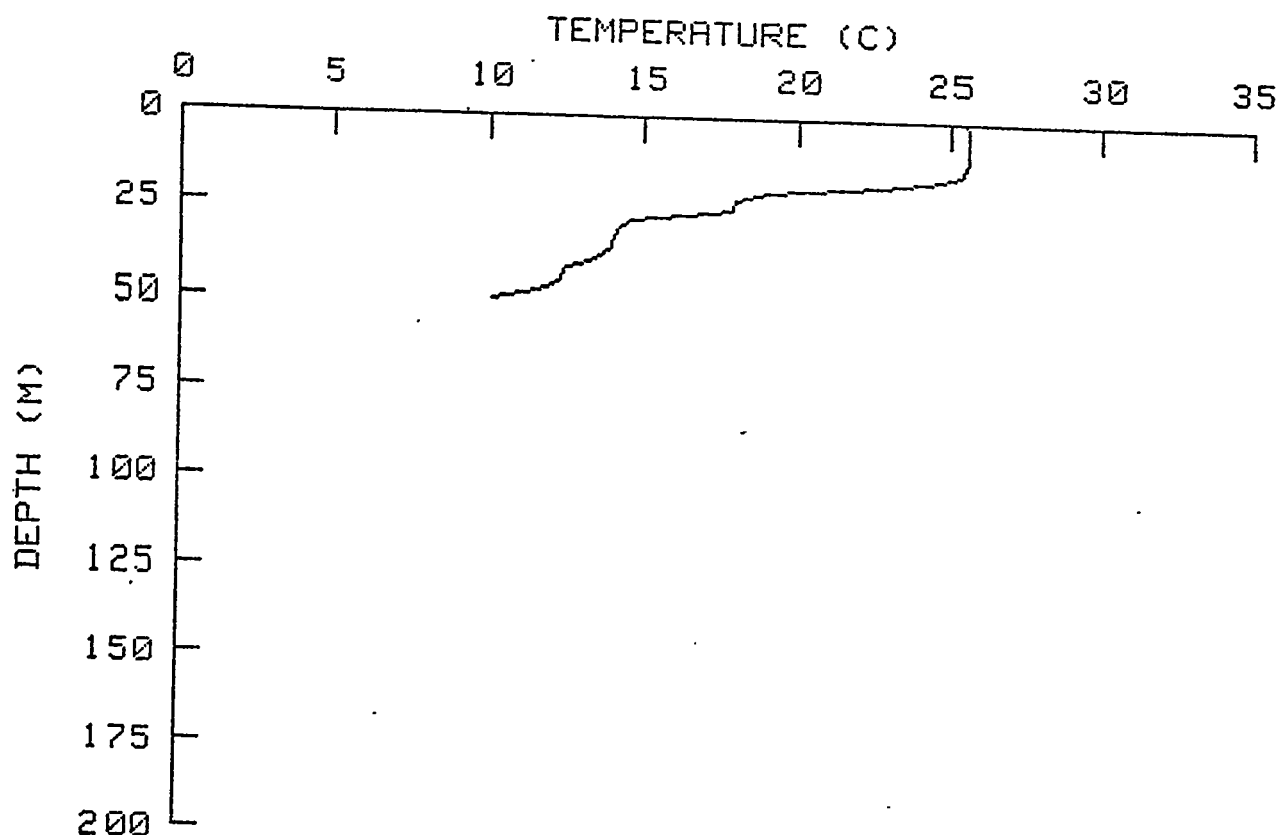
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.89	25.98	25.98	25.98	25.98	25.98	25.95	25.86
10	25.77	25.64	25.52	25.41	25.26	25.10	24.92	24.73	24.57	24.45
20	24.38	24.38	24.24	23.98	23.61	23.12	22.35	20.60	18.07	17.19
30	16.57	15.93	15.29	14.63	13.98	13.67	13.04	11.54	10.59	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 083X DATE 05 SEPT 80 TIME 0100 LAT 36-14.0N LON 74-55.9W DEPTH(M) 46 SST(C) 25.6



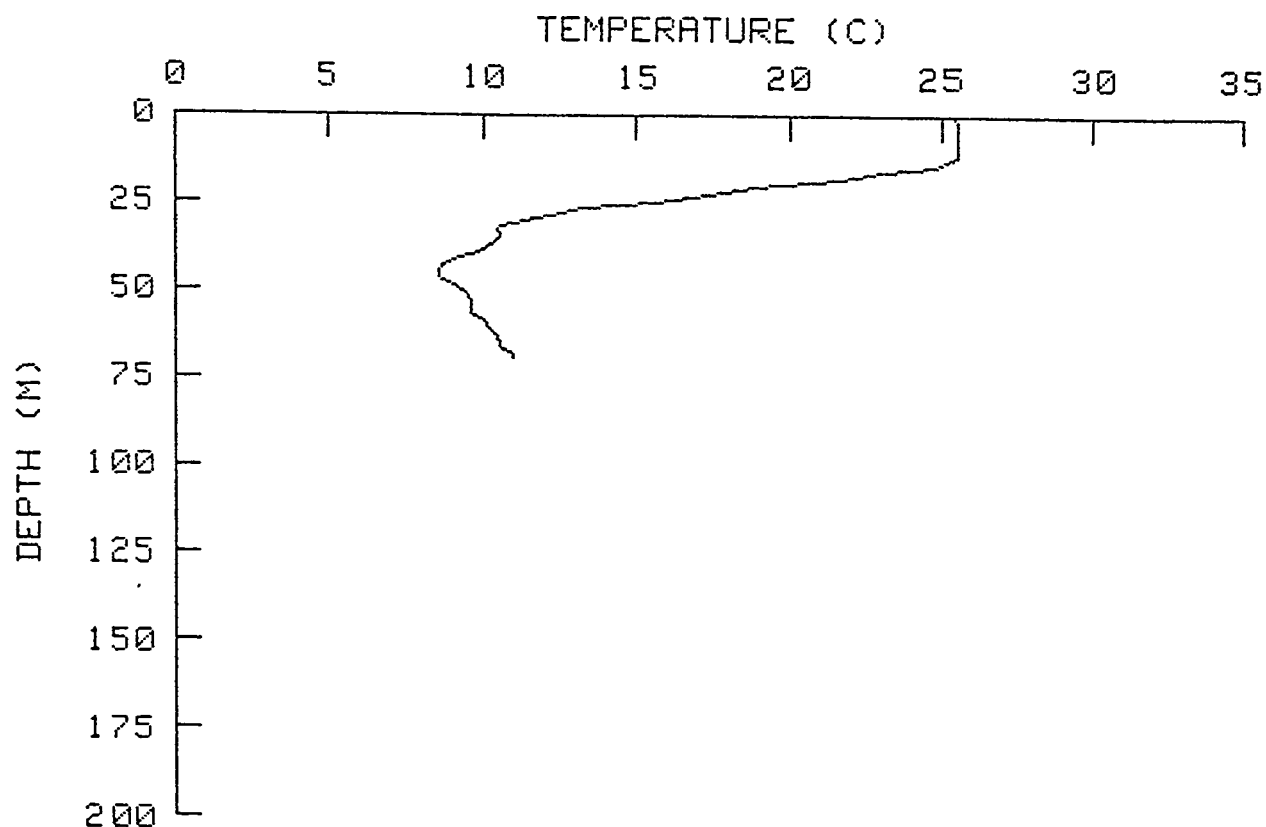
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.53	25.53	25.53	25.53	25.53	25.53	25.46	25.38
10	25.31	25.23	25.15	25.09	25.06	25.03	25.00	24.96	24.85	24.22
20	23.02	22.05	21.15	20.32	19.54	18.80	18.10	17.31	16.33	15.59
30	15.18	14.78	14.48	14.34	14.27	14.17	13.98	13.58	12.76	11.84
40	11.48	11.15	10.83	10.37	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 084X DATE 05 SEPT 80 TIME 0130 LAT 36-19.2N LON 74-53.9W DEPTH(M) 54 SST(C) 25.8



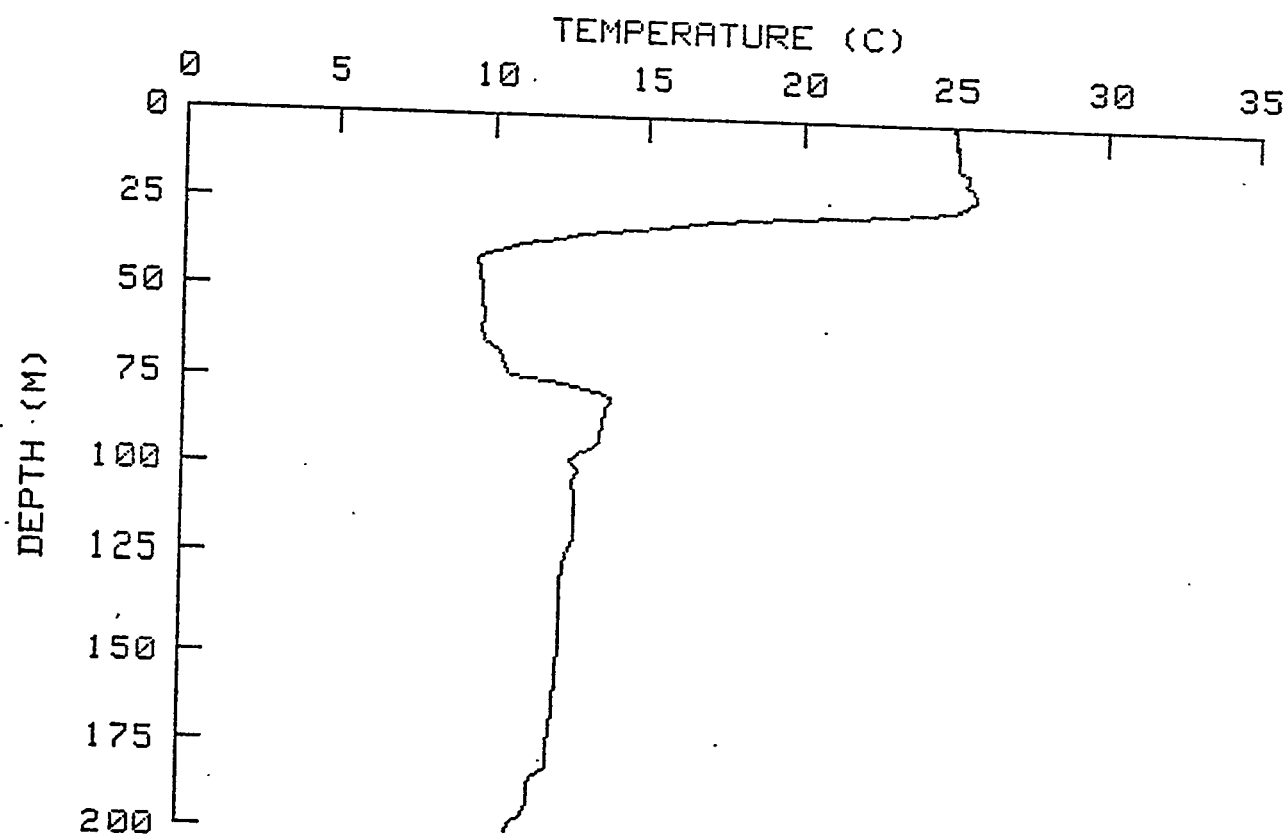
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.59	25.61	25.61	25.61	25.61	25.61	25.61	25.61
10	25.61	25.61	25.56	25.50	25.43	25.25	24.85	24.11	23.25	22.12
20	20.67	19.22	18.59	18.11	17.98	17.92	17.63	16.77	15.74	14.56
30	14.36	14.19	14.14	14.08	14.03	13.98	13.98	13.87	13.74	13.46
40	13.15	12.75	12.52	12.47	12.36	12.23	11.93	11.62	10.97	10.39
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 085X DATE 05 SEPT 80 TIME 0229 LAT 36-23.9N LON 74-50.5W DEPTH(M) 70 SST(C) 25.8



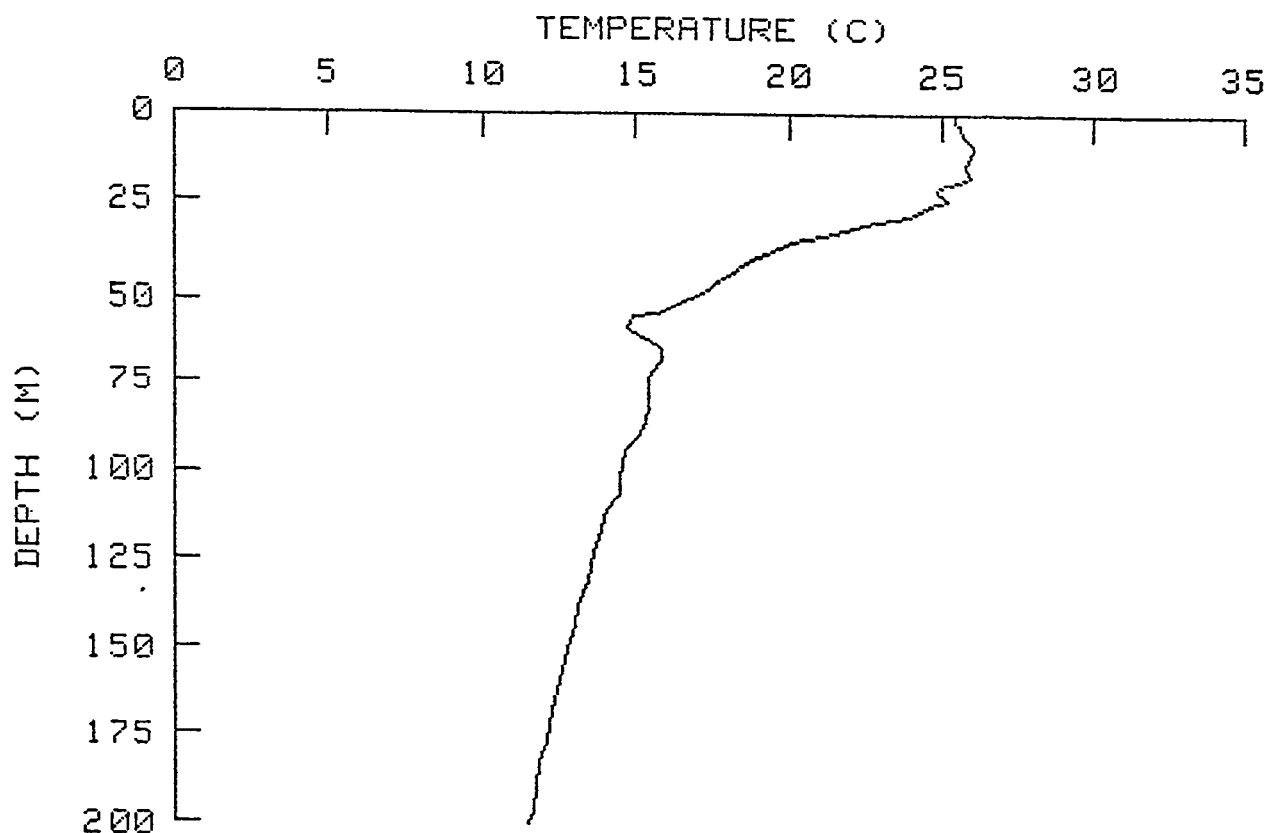
	0	1	2	3	4	5	6	7	8	9
0	-	25.46	25.47	25.49	25.49	25.50	25.50	25.51	25.51	25.52
10	25.52	25.52	25.52	25.27	24.99	24.64	23.76	22.91	22.26	21.59
20	20.16	18.79	18.12	17.45	16.63	15.81	14.51	13.21	12.70	12.19
30	11.61	11.03	10.51	10.42	10.48	10.46	10.37	10.25	10.12	9.88
40	9.54	9.18	8.84	8.63	8.60	8.57	8.57	8.64	8.87	9.08
50	9.26	9.39	9.47	9.52	9.58	9.60	9.62	9.73	9.92	10.07
60	10.13	10.19	10.28	10.38	10.46	10.51	10.57	10.74	10.88	10.94
70	11.34	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 086X DATE 05 SEPT 80 TIME 0345 LAT 36-27.0N LON 74-45.5W DEPTH(M) 250 SST(C) 25.2



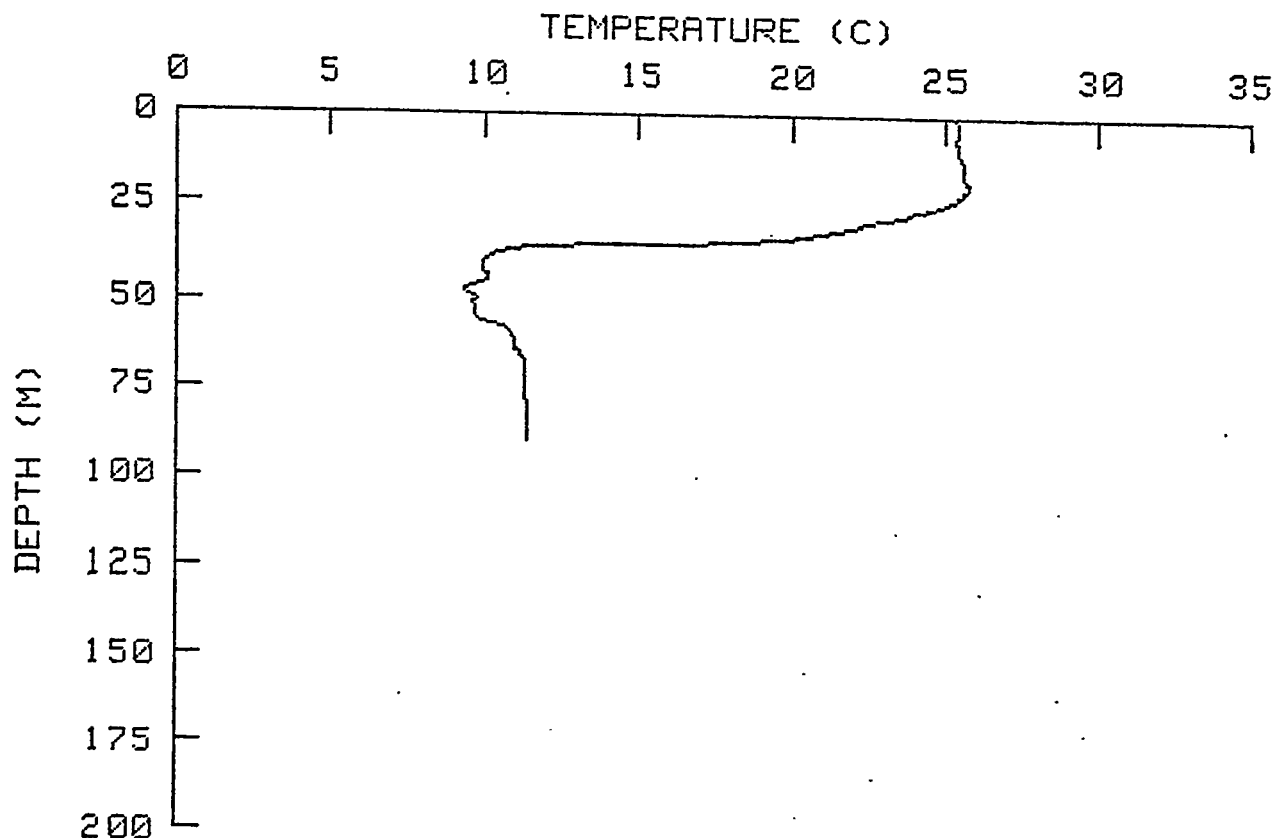
	0	1	2	3	4	5	6	7	8	9
0	-	24.92	24.94	24.96	24.98	25.00	25.02	25.05	25.07	25.08
10	25.08	25.08	25.08	25.14	25.37	25.46	25.46	25.40	25.46	25.58
20	25.66	25.71	25.62	25.48	25.22	24.94	24.02	23.04	20.47	18.67
30	17.28	16.17	15.07	13.99	12.91	12.44	11.76	10.93	10.64	10.21
40	9.71	9.55	9.48	9.50	9.58	9.58	9.58	9.58	9.63	9.67
50	9.67	9.67	9.67	9.67	9.67	9.72	9.76	9.79	9.79	9.77
60	9.75	9.73	9.76	9.78	9.81	9.90	10.02	10.19	10.29	10.33
70	10.39	10.45	10.52	10.59	10.78	11.70	12.53	12.93	13.33	13.70
80	13.86	13.85	13.79	13.73	13.68	13.66	13.64	13.62	13.59	13.54
90	13.52	13.52	13.49	13.35	13.20	12.92	12.78	12.66	12.64	12.70
100	12.80	12.79	12.77	12.75	12.73	12.72	12.73	12.73	12.73	12.73
110	12.73	12.73	12.75	12.75	12.75	12.76	12.76	12.76	12.76	12.76
120	12.74	12.68	12.63	12.56	12.50	12.48	12.46	12.44	12.42	12.40
130	12.38	12.35	12.35	12.35	12.34	12.34	12.34	12.33	12.33	12.33
140	12.32	12.32	12.32	12.31	12.31	12.31	12.30	12.30	12.29	12.27
150	12.26	12.25	12.24	12.23	12.23	12.23	12.22	12.22	12.22	12.21
160	12.21	12.21	12.20	12.20	12.19	12.19	12.19	12.15	12.09	12.09
170	12.09	12.09	12.07	12.02	12.02	12.03	12.03	12.03	12.03	12.03
180	12.03	12.03	11.85	11.66	11.50	11.46	11.44	11.44	11.44	11.44
190	11.44	11.44	11.41	11.34	11.27	11.19	11.04	10.90	10.80	10.70
200	-	-	-	-	-	-	-	-	-	-

STATION 007X DATE 05 SEPT 80 TIME 1225 LAT 36-39.2N LON 74-39.1W DEPTH(M) 700 SST(C) 28.6



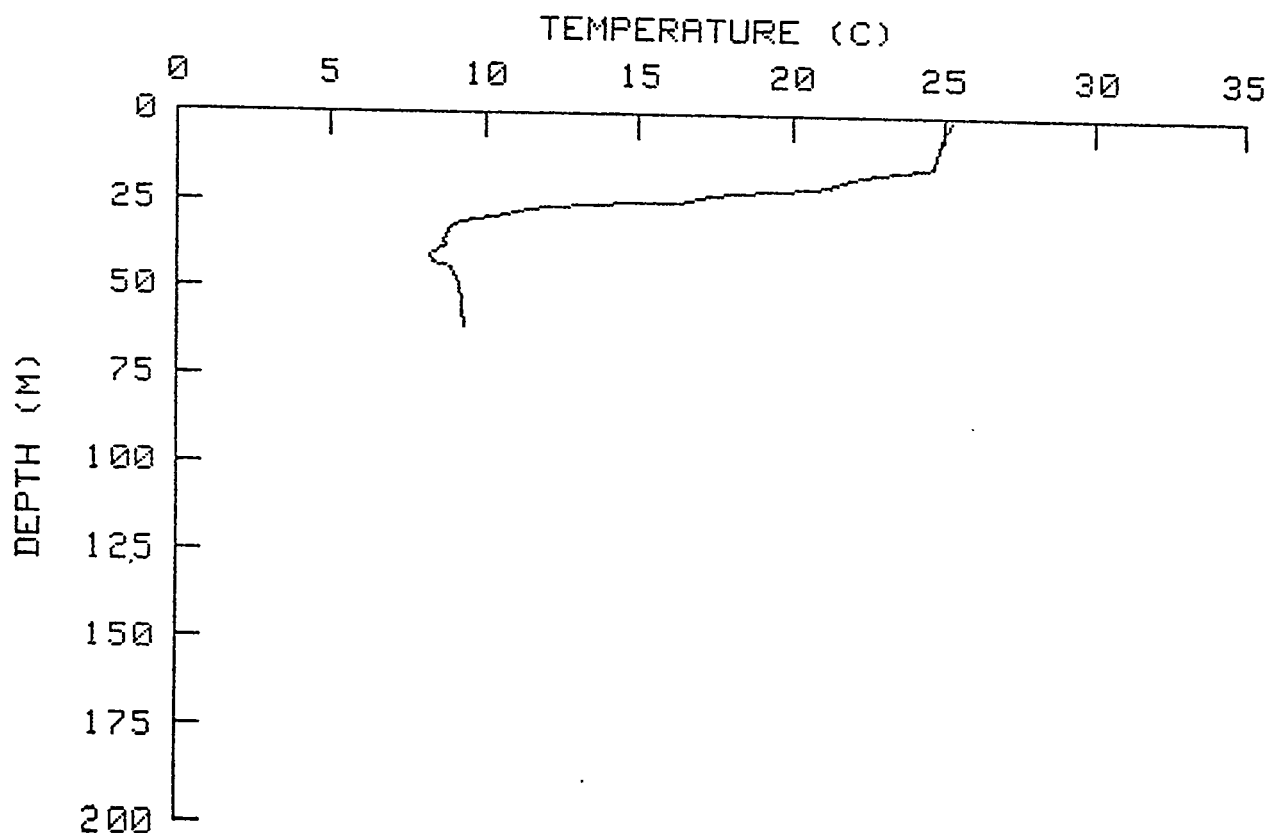
	0	1	2	3	4	5	6	7	8	9
0	-	25.41	25.41	25.57	25.63	25.65	25.71	25.82	25.94	26.04
10	26.04	26.01	25.95	25.88	25.82	25.77	25.81	25.90	25.90	25.58
20	25.29	25.01	24.84	24.93	25.09	25.00	24.63	24.37	24.13	23.82
30	23.21	22.59	22.05	21.53	21.01	20.53	20.08	19.73	19.38	19.05
40	18.73	18.54	18.35	18.14	17.91	17.71	17.53	17.35	17.16	16.90
50	16.64	16.39	16.13	15.88	15.49	14.88	14.83	14.78	14.74	14.84
60	15.02	15.20	15.37	15.55	15.78	15.85	15.88	15.85	15.82	15.76
70	15.68	15.61	15.54	15.47	15.43	15.41	15.39	15.38	15.38	15.38
80	15.38	15.38	15.38	15.37	15.36	15.34	15.32	15.28	15.23	15.19
90	15.14	15.03	14.92	14.81	14.70	14.66	14.64	14.62	14.60	14.57
100	14.55	14.53	14.51	14.50	14.49	14.47	14.46	14.37	14.29	14.21
110	14.13	14.06	14.02	13.99	13.95	13.92	13.88	13.85	13.82	13.79
120	13.76	13.73	13.69	13.66	13.63	13.61	13.58	13.55	13.53	13.50
130	13.47	13.44	13.40	13.35	13.30	13.25	13.21	13.16	13.11	13.08
140	13.07	13.06	13.04	13.03	13.01	12.96	12.92	12.87	12.83	12.80
150	12.78	12.75	12.73	12.71	12.68	12.66	12.64	12.61	12.58	12.55
160	12.52	12.49	12.46	12.42	12.39	12.36	12.33	12.30	12.28	12.26
170	12.25	12.23	12.21	12.20	12.18	12.16	12.15	12.13	12.09	12.03
180	11.98	11.93	11.87	11.82	11.81	11.79	11.78	11.76	11.75	11.74
190	11.72	11.71	11.70	11.68	11.67	11.66	11.64	11.62	11.59	11.55
200	-	-	-	-	-	-	-	-	-	-

STATION 008X DATE 05 SEPT 80 TIME 1300 LAT 36-41.0N LON 74-43.4W DEPTH(M) 95 SST(C) 26.8



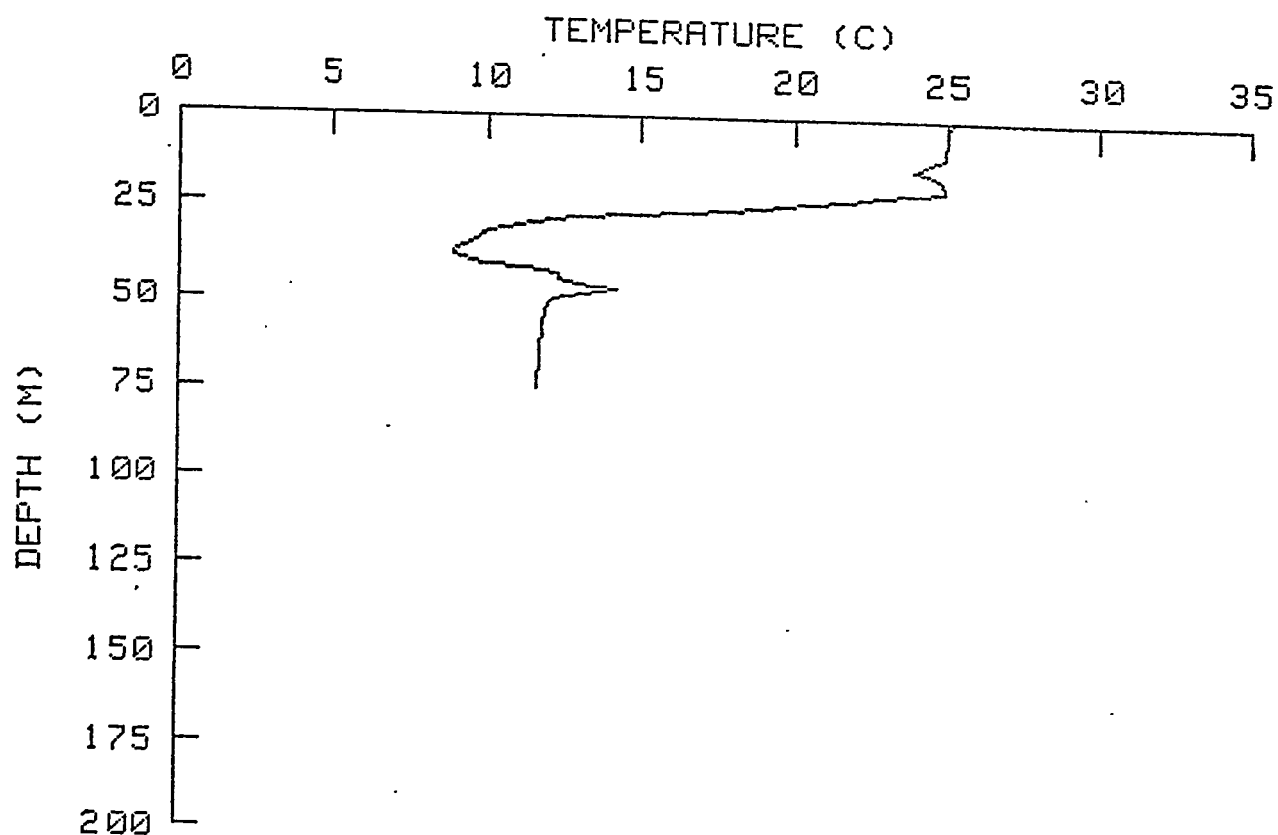
	0	1	2	3	4	5	6	7	8	9
0	-	25.39	25.42	25.40	25.40	25.40	25.39	25.38	25.44	25.45
10	25.46	25.49	25.56	25.60	25.60	25.60	25.60	25.60	25.65	25.78
20	25.77	25.61	25.50	25.42	25.30	24.87	24.44	23.98	23.59	22.91
30	22.32	21.96	21.41	20.50	19.78	17.61	12.29	10.93	10.33	10.14
40	9.98	9.94	9.97	10.09	10.14	9.75	9.42	9.32	9.54	9.68
50	9.71	9.63	9.65	9.66	9.66	9.67	9.97	10.37	10.65	10.77
60	10.86	11.01	11.01	11.01	11.04	11.14	11.22	11.30	11.31	11.31
70	11.31	11.32	11.32	11.32	11.32	11.33	11.33	11.33	11.34	11.34
80	11.34	11.34	11.35	11.35	11.35	11.35	11.36	11.36	11.36	11.36
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 089X DATE 05 SEPT 80 TIME 1345 LAT 36-44.2N LON 74-48.1W DEPTH(M) 60 SST(C) 25.0



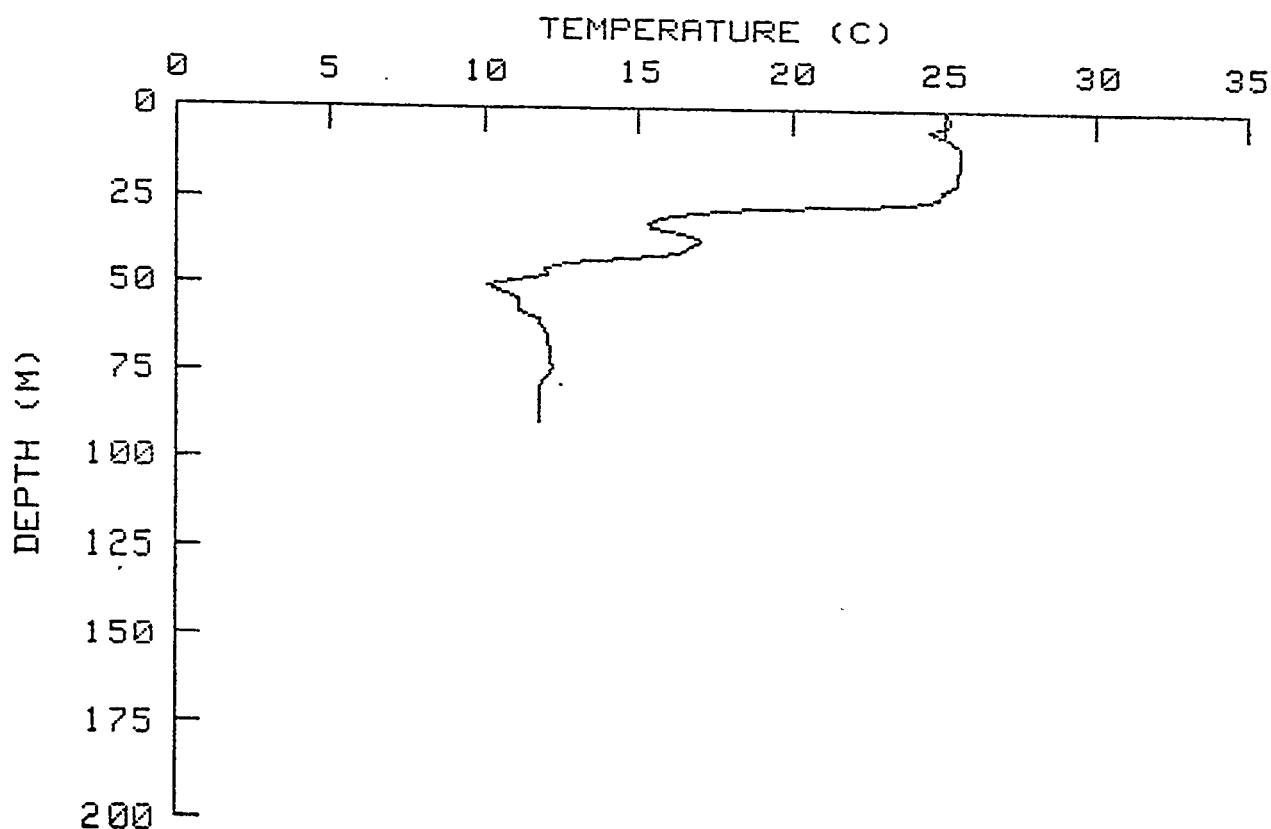
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.28	25.20	25.12	25.04	24.97	24.89	24.86	24.83
10	24.79	24.76	24.73	24.70	24.65	24.25	23.30	22.48	21.97	21.53
20	21.07	20.33	19.21	17.77	16.95	16.32	13.21	11.73	11.06	10.50
30	9.84	9.13	8.99	8.88	8.83	8.78	8.73	8.68	8.75	8.57
40	8.38	8.23	8.26	8.45	8.76	8.97	9.02	9.06	9.10	9.15
50	9.18	9.20	9.22	9.23	9.25	9.26	9.26	9.26	9.29	9.32
60	9.34	9.37	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.39
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 090X DATE 05 SEPT 80 TIME 1435 LAT 36-45.5N LON 74-44.8W DEPTH(M) 79 SST(C) 27.8



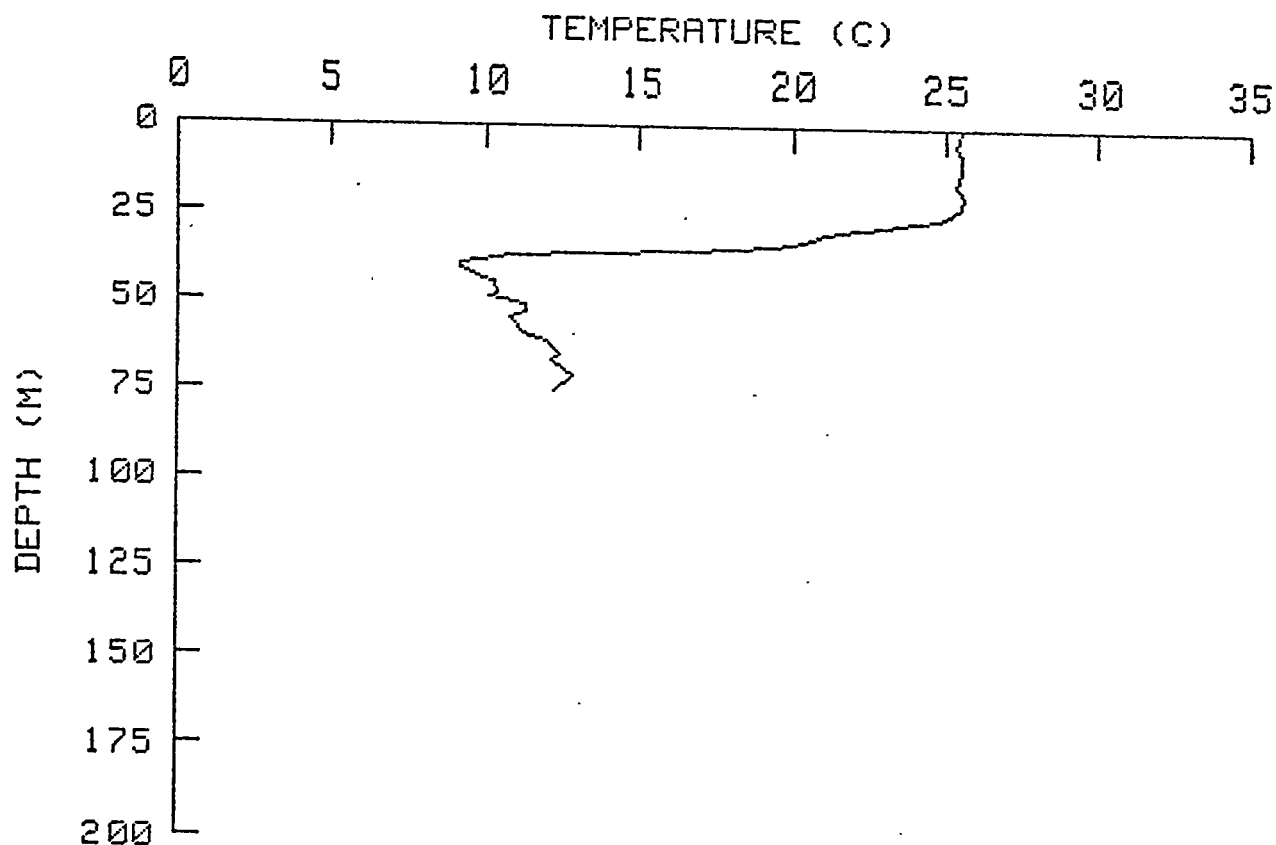
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.10	25.03	25.02	25.01	24.99	24.98	24.92	24.89
10	24.89	24.85	24.51	24.23	23.99	24.29	24.60	24.79	24.85	24.89
20	24.89	23.61	22.55	21.92	20.10	19.08	17.99	15.51	13.17	12.27
30	11.55	10.62	9.99	9.81	9.73	9.44	9.10	8.93	8.91	9.48
40	10.34	11.53	12.36	12.36	12.55	12.87	13.57	14.13	13.17	12.36
50	12.07	12.00	11.97	11.94	11.90	11.87	11.84	11.82	11.81	11.80
60	11.79	11.78	11.77	11.76	11.75	11.74	11.73	11.72	11.72	11.71
70	11.71	11.70	11.70	11.69	11.68	11.68	11.68	11.69	11.69	11.69
80	11.69	11.69	11.69	11.70	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 091X DATE 05 SEPT 80 TIME 1500 LAT 36-48.2N LON 74-42.4W DEPTH(M) 98 SST(C) 27.2



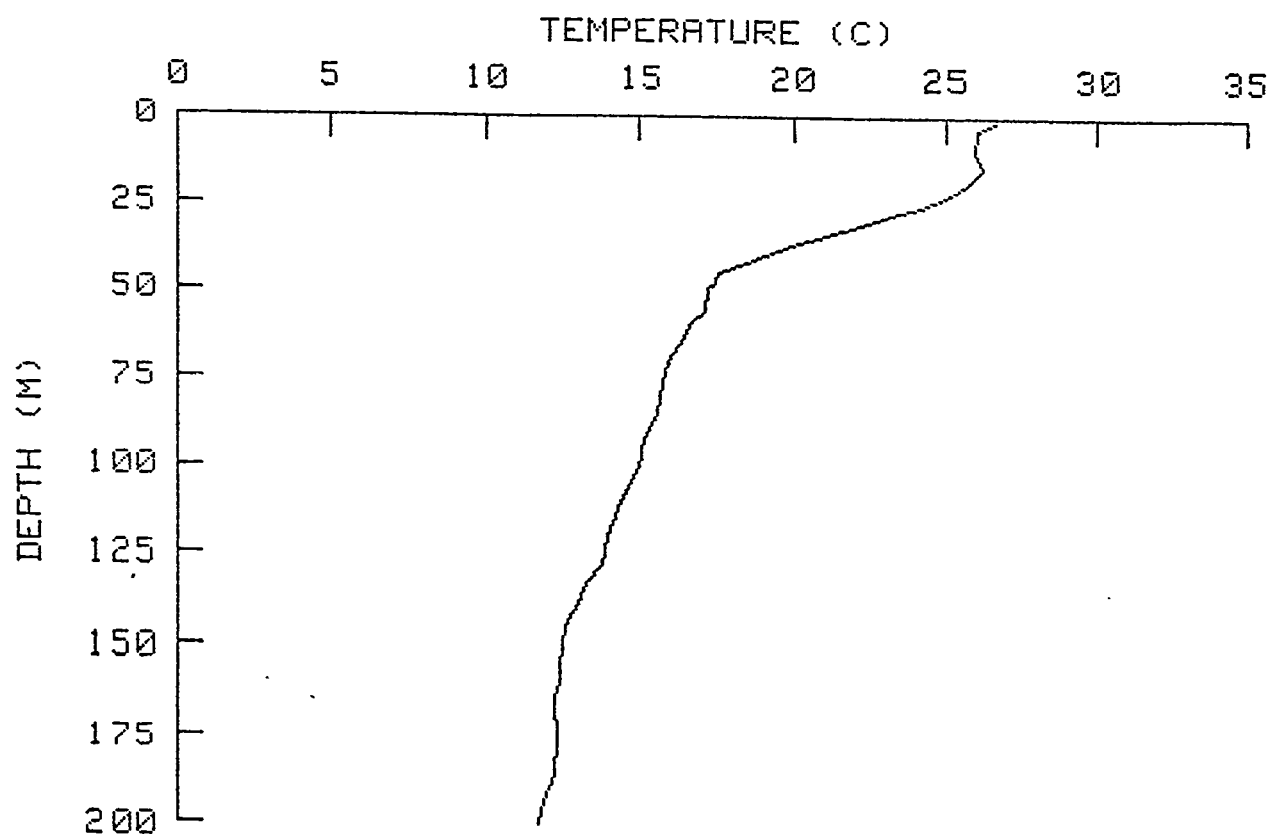
	0	1	2	3	4	5	6	7	8	9
0	-	25.13	25.13	25.13	25.10	24.93	24.64	24.67	25.13	25.30
10	25.42	25.52	25.52	25.52	25.52	25.52	25.52	25.48	25.41	25.41
20	25.39	25.16	24.94	24.90	24.87	24.35	23.41	21.77	18.50	16.71
30	15.92	15.54	15.31	15.45	15.99	16.50	16.89	17.03	16.89	16.67
40	16.46	15.88	14.87	13.65	12.55	12.07	12.01	12.06	11.46	10.77
50	10.37	10.30	10.65	10.89	11.10	11.14	11.14	11.14	11.35	11.62
60	11.86	11.82	11.87	11.97	12.07	12.12	12.13	12.14	12.14	12.15
70	12.16	12.17	12.19	12.25	12.24	12.16	12.09	12.01	11.93	11.86
80	11.85	11.85	11.85	11.85	11.85	11.85	11.84	11.84	11.84	11.84
90	11.84	11.84	11.85	11.85	11.85	11.85	11.85	11.85	11.85	11.86
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 092X DATE 05 SEPT 80 TIME 1545 LAT 36-47.5N LON 74-39.8W DEPTH(M) 159 SST(C) 28.3



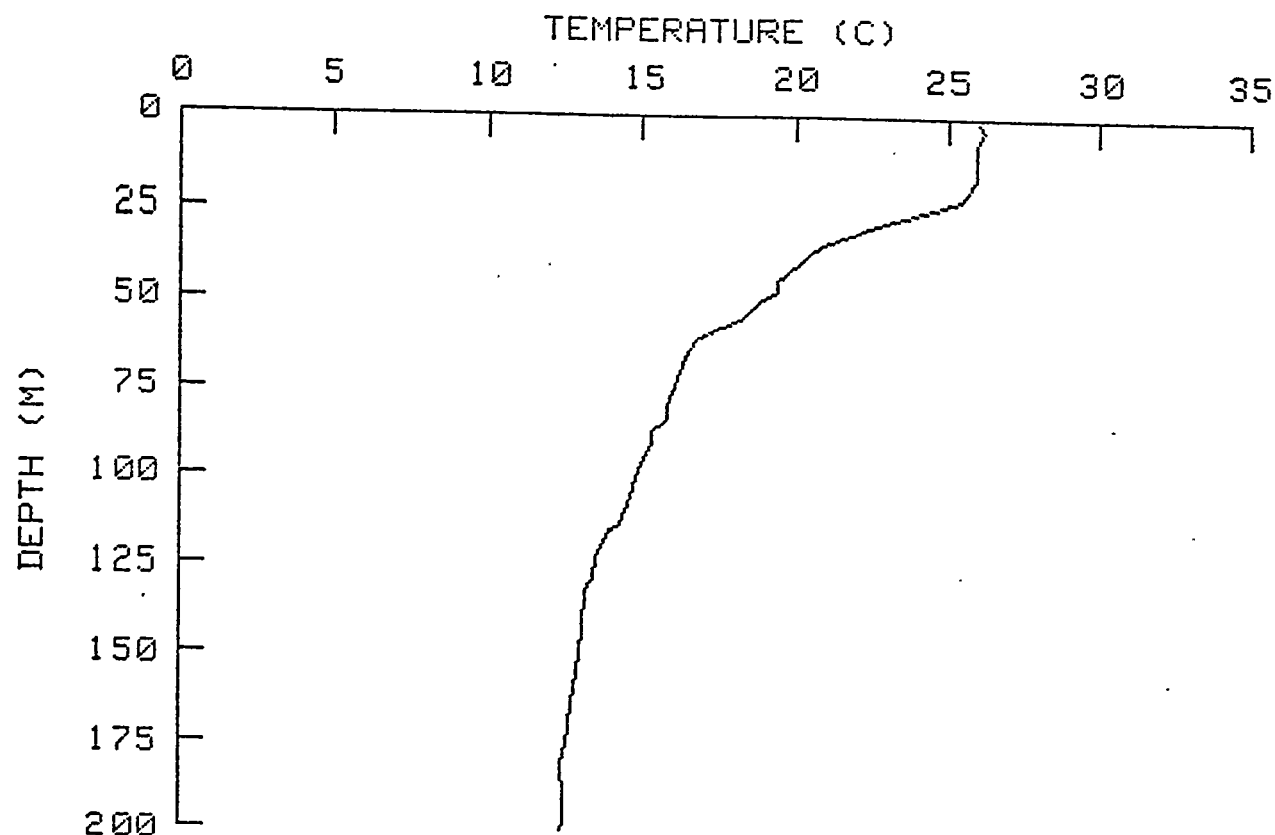
	0	1	2	3	4	5	6	7	8	9
0	-	25.51	25.48	25.45	25.42	25.39	25.39	25.43	25.48	25.50
10	25.50	25.50	25.50	25.47	25.43	25.39	25.34	25.41	25.49	25.58
20	25.60	25.57	25.54	25.40	25.20	24.99	24.66	24.02	23.03	22.20
30	21.46	20.90	20.51	20.00	19.42	17.77	15.48	11.65	10.17	9.31
40	9.21	9.26	9.51	9.76	10.11	10.34	10.36	10.39	10.33	10.18
50	10.74	11.29	11.32	11.30	10.97	10.87	10.95	11.03	11.11	11.18
60	11.48	11.88	12.08	12.21	12.33	12.40	12.22	12.22	12.40	12.57
70	12.73	12.84	12.71	12.58	12.46	12.33	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 093X DATE 05 SEPT 80 TIME 1622 LAT 36-45.6N LON 74-36.9W DEPTH(M) 875 SST(C) 26.4



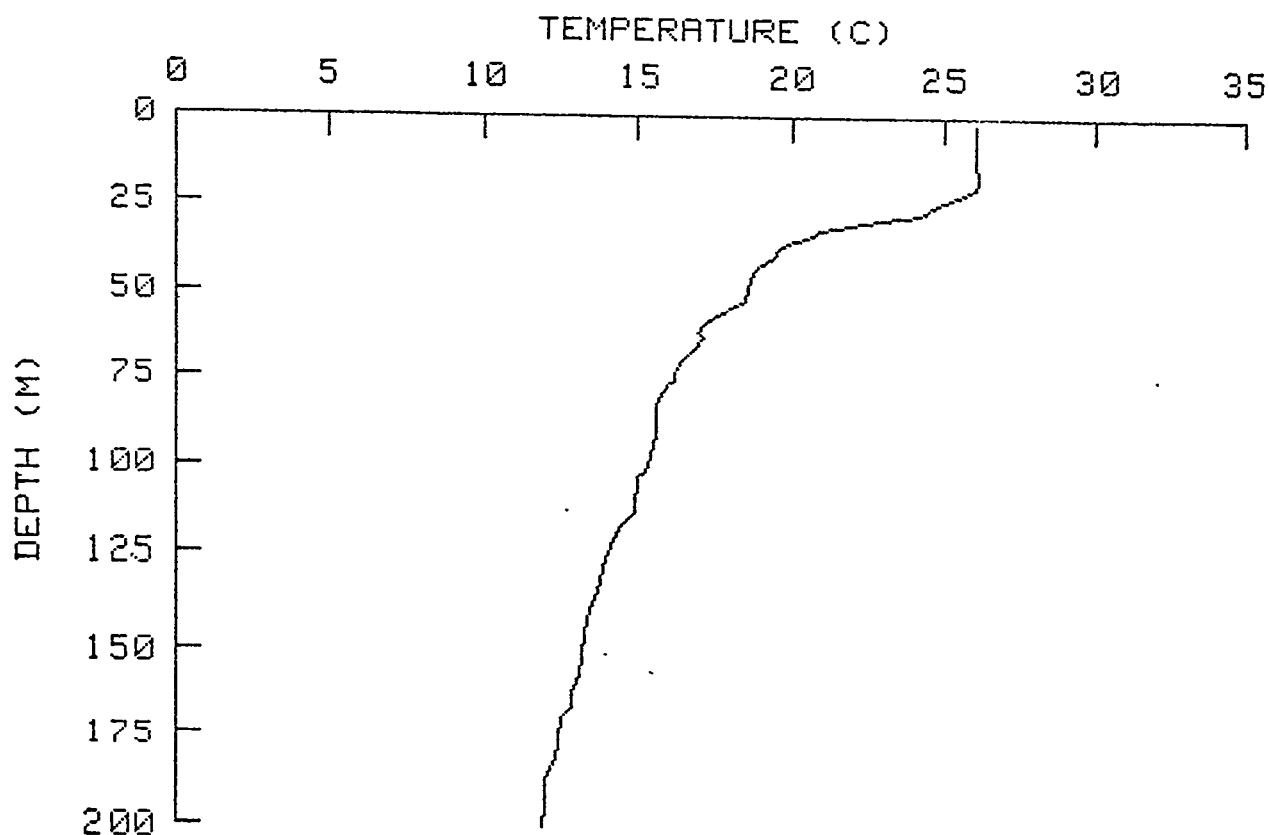
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	26.34	26.06	26.04	26.03	26.02	26.00	25.99
10	25.97	25.98	26.03	26.08	26.13	26.17	26.06	25.95	25.84	25.73
20	25.59	25.45	25.30	25.11	24.82	24.53	24.24	23.83	23.38	23.01
30	22.67	22.34	21.98	21.61	21.24	20.82	20.36	19.93	19.65	19.37
40	19.09	18.82	18.55	18.21	17.84	17.56	17.54	17.52	17.49	17.34
50	17.23	17.21	17.20	17.18	17.16	17.14	17.13	17.02	16.87	16.72
60	16.66	16.59	16.53	16.47	16.40	16.34	16.26	16.18	16.10	16.02
70	15.94	15.91	15.88	15.84	15.81	15.78	15.75	15.73	15.71	15.70
80	15.68	15.67	15.65	15.64	15.62	15.61	15.56	15.50	15.44	15.38
90	15.32	15.26	15.20	15.18	15.16	15.14	15.12	15.09	15.07	15.05
100	15.02	14.95	14.89	14.82	14.76	14.69	14.63	14.57	14.52	14.46
110	14.41	14.35	14.30	14.25	14.21	14.16	14.12	14.08	14.03	13.99
120	13.95	13.92	13.90	13.88	13.85	13.83	13.80	13.78	13.76	13.67
130	13.58	13.49	13.39	13.31	13.27	13.22	13.17	13.12	13.08	13.03
140	12.96	12.88	12.80	12.72	12.64	12.59	12.58	12.57	12.55	12.54
150	12.52	12.51	12.50	12.48	12.47	12.46	12.45	12.45	12.45	12.46
160	12.41	12.30	12.28	12.25	12.23	12.23	12.24	12.25	12.26	12.26
170	12.27	12.28	12.29	12.30	12.30	12.31	12.32	12.32	12.32	12.31
180	12.30	12.29	12.28	12.27	12.26	12.26	12.24	12.20	12.16	12.12
190	12.08	12.04	12.00	11.96	11.92	11.89	11.86	11.82	11.79	11.75
200	-	-	-	-	-	-	-	-	-	-

STATION 094X DATE 06 SEPT 80 TIME 0035 LAT 36-58.6N LON 74-27.3W DEPTH(M) 1800 SST(C) 26.2



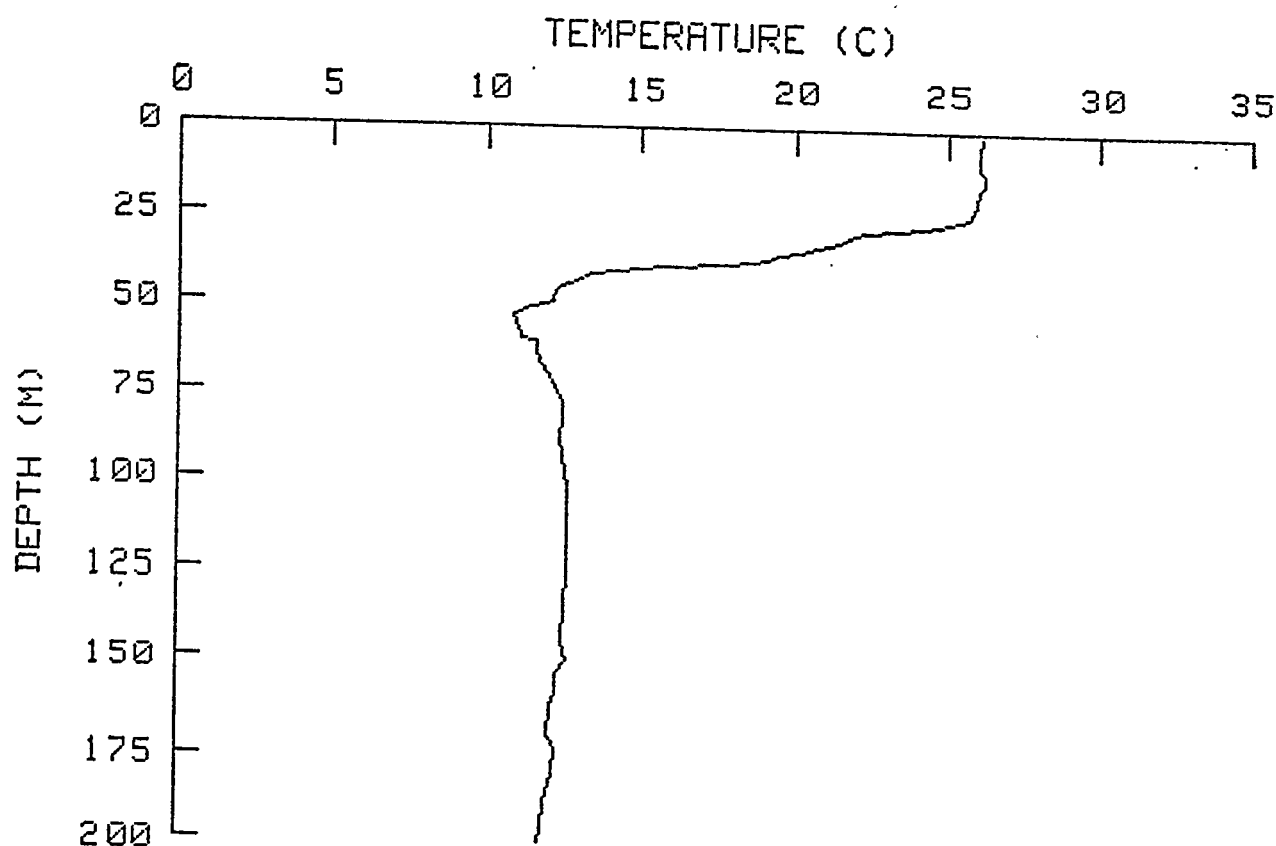
	0	1	2	3	4	5	6	7	8	9
0	-	-	26.03	26.10	26.18	26.13	26.07	26.02	25.96	25.95
10	25.95	25.95	25.95	25.95	25.95	25.95	25.94	25.87	25.77	25.67
20	25.57	25.47	25.29	24.94	24.49	24.01	23.53	23.09	22.71	22.36
30	22.08	21.81	21.51	21.22	20.92	20.74	20.56	20.45	20.34	20.22
40	20.09	19.96	19.84	19.68	19.51	19.41	19.41	19.41	19.27	19.10
50	18.93	18.78	18.65	18.52	18.39	18.23	17.98	17.73	17.49	17.25
60	17.00	16.83	16.71	16.60	16.49	16.45	16.40	16.36	16.32	16.27
70	16.23	16.18	16.14	16.09	16.05	16.00	15.96	15.91	15.87	15.82
80	15.81	15.81	15.81	15.81	15.74	15.58	15.42	15.33	15.32	15.32
90	15.30	15.25	15.20	15.16	15.11	15.06	15.02	14.97	14.92	14.88
100	14.84	14.80	14.76	14.72	14.68	14.64	14.60	14.56	14.51	14.47
110	14.42	14.38	14.33	14.29	14.15	13.99	13.93	13.88	13.83	13.78
120	13.73	13.68	13.63	13.58	13.56	13.54	13.52	13.51	13.49	13.44
130	13.32	13.21	13.16	13.15	13.14	13.14	13.13	13.12	13.11	13.11
140	13.10	13.09	13.08	13.08	13.06	13.05	13.04	13.03	13.02	13.01
150	13.00	12.99	12.97	12.96	12.95	12.93	12.92	12.90	12.88	12.87
160	12.85	12.83	12.82	12.80	12.78	12.77	12.76	12.74	12.73	12.71
170	12.70	12.69	12.67	12.66	12.65	12.63	12.60	12.56	12.53	12.49
180	12.46	12.45	12.46	12.47	12.47	12.48	12.49	12.50	12.51	12.52
190	12.53	12.53	12.53	12.53	12.52	12.52	12.52	12.51	12.51	12.48
200	-	-	-	-	-	-	-	-	-	-

STATION 095X DATE 06 SEPT 80 TIME 0210 LAT 36-59.1N LON 74-31.3W DEPTH(M) 1700 SST(C) 26.2



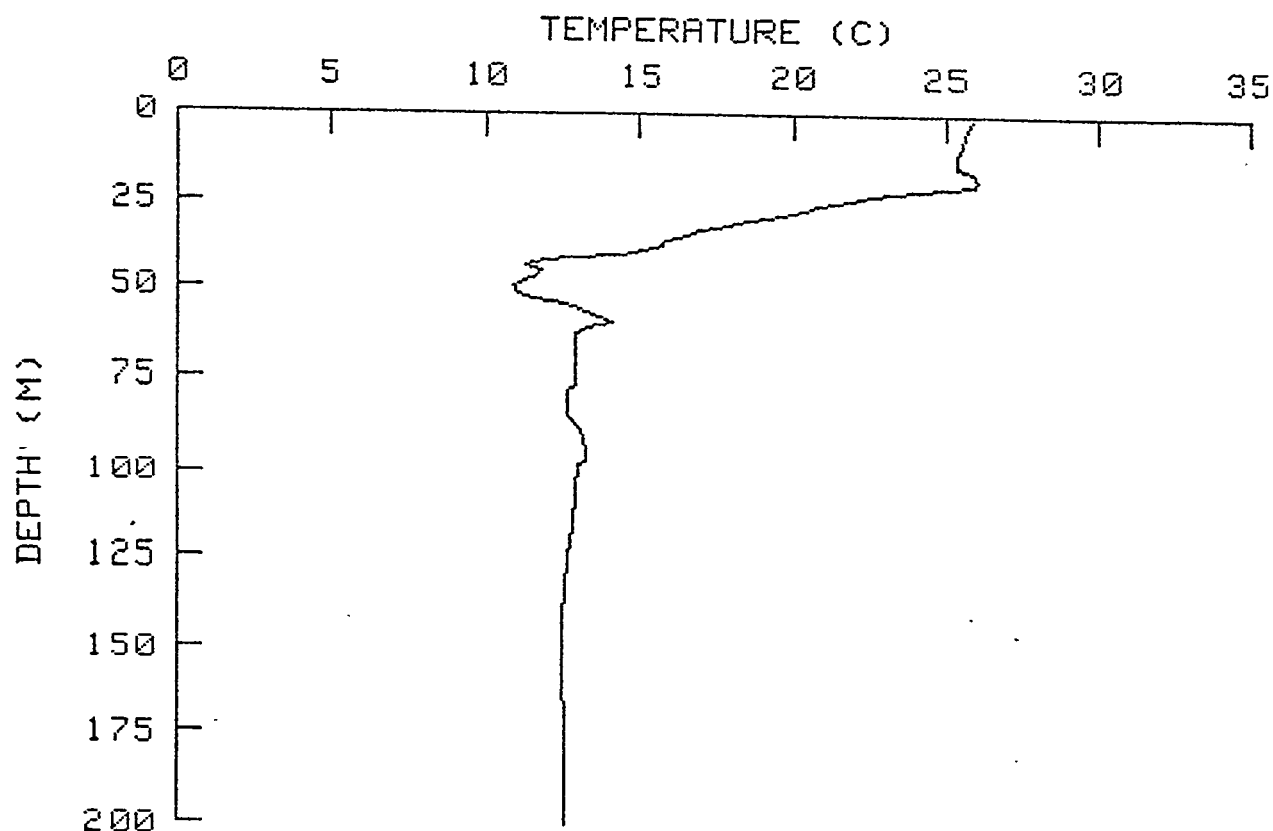
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	26.02	26.02	26.02	26.02	26.02	26.02	26.02
10	26.02	26.02	26.02	26.02	26.04	26.05	26.07	26.08	26.10	26.10
20	26.05	25.91	25.64	25.37	25.09	24.81	24.60	24.40	24.20	23.35
30	22.59	21.96	21.34	20.83	20.65	20.41	20.05	19.73	19.59	19.50
40	19.41	19.27	19.13	18.99	18.87	18.76	18.68	18.65	18.61	18.58
50	18.55	18.52	18.49	18.33	18.15	17.98	17.78	17.59	17.42	17.26
60	17.18	17.09	17.01	17.08	17.13	17.02	16.91	16.81	16.68	16.55
70	16.43	16.37	16.30	16.24	16.21	16.21	16.11	15.97	15.89	15.81
80	15.73	15.65	15.63	15.60	15.59	15.59	15.59	15.59	15.59	15.59
90	15.59	15.59	15.58	15.55	15.51	15.48	15.44	15.41	15.37	15.33
100	15.29	15.25	15.19	15.07	15.02	15.01	14.99	14.97	14.96	14.94
110	14.92	14.91	14.89	14.87	14.78	14.67	14.55	14.44	14.38	14.33
120	14.27	14.21	14.16	14.10	14.06	14.03	13.99	13.95	13.91	13.87
130	13.84	13.82	13.79	13.76	13.73	13.70	13.65	13.59	13.53	13.48
140	13.42	13.40	13.37	13.34	13.31	13.29	13.27	13.26	13.25	13.23
150	13.22	13.21	13.19	13.17	13.15	13.12	13.10	13.07	13.05	13.02
160	12.98	12.92	12.86	12.83	12.83	12.83	12.83	12.83	12.73	12.60
170	12.48	12.47	12.46	12.44	12.43	12.42	12.41	12.40	12.38	12.37
180	12.36	12.34	12.33	12.28	12.22	12.17	12.11	12.05	12.01	12.01
190	12.01	12.01	12.01	12.01	12.01	12.01	12.00	11.98	11.96	11.95
200	-	-	-	-	-	-	-	-	-	-

STATION 096X DATE 06 SEPT 80 TIME 0251 LAT 37-00.2N LON 74-34.5W DEPTH(M) 825 SST(C) 26.2



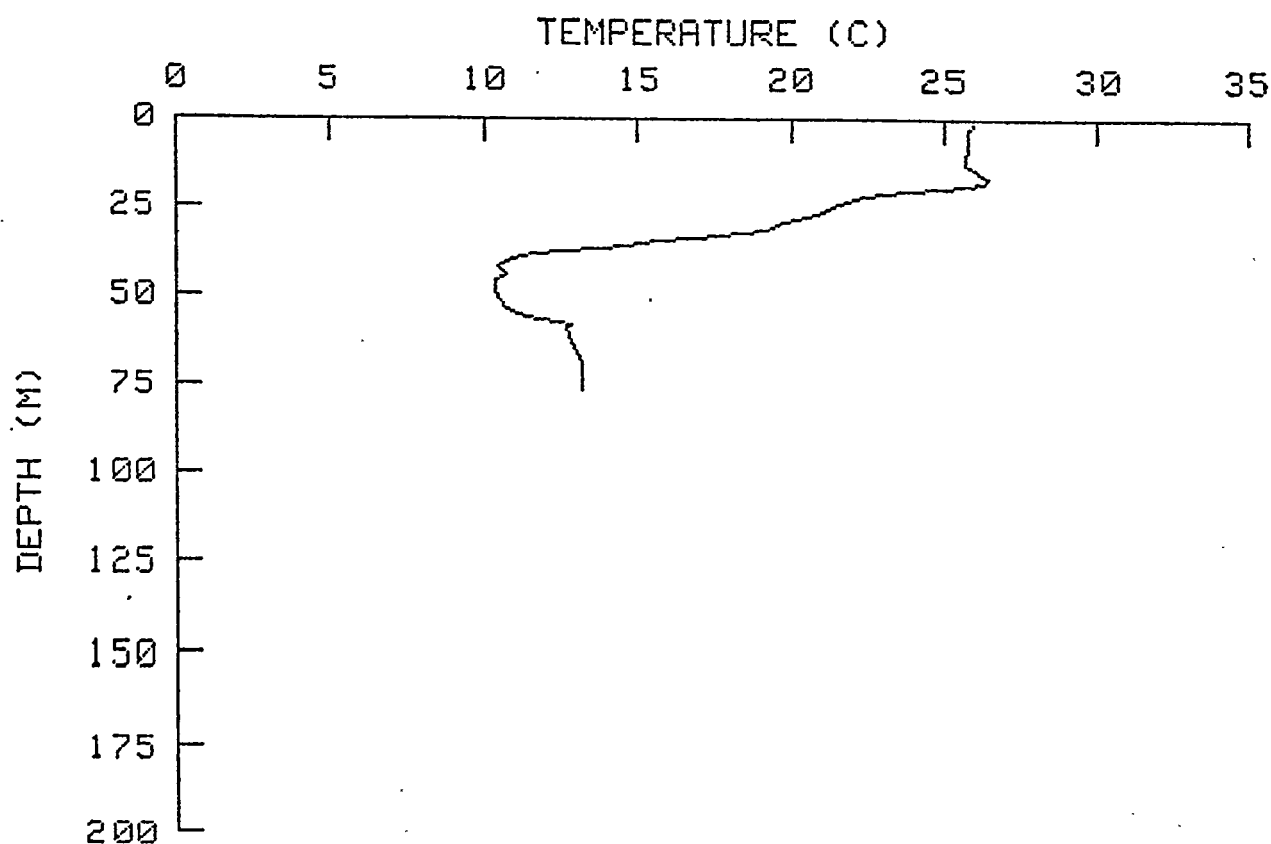
	0	1	2	3	4	5	6	7	8	9
0	-	-	26.15	26.11	26.08	26.05	26.02	26.00	26.00	26.00
10	26.00	26.08	26.22	26.23	26.23	26.19	26.07	26.02	26.00	25.97
20	25.95	25.92	25.86	25.80	25.75	25.48	25.08	24.50	23.66	22.58
30	21.98	21.75	21.52	21.04	20.51	19.95	19.42	19.21	18.32	16.84
40	15.25	14.08	13.33	13.05	12.69	12.38	12.31	12.26	12.23	12.20
50	11.94	11.54	11.21	10.89	10.89	10.91	10.94	11.05	11.16	11.18
60	11.31	11.63	11.63	11.63	11.64	11.67	11.71	11.80	11.91	12.01
70	12.07	12.12	12.17	12.22	12.28	12.36	12.44	12.51	12.54	12.54
80	12.54	12.54	12.54	12.53	12.51	12.49	12.47	12.45	12.43	12.46
90	12.48	12.50	12.52	12.54	12.56	12.57	12.59	12.60	12.62	12.63
100	12.64	12.66	12.67	12.68	12.68	12.68	12.68	12.68	12.68	12.68
110	12.68	12.68	12.68	12.68	12.69	12.69	12.69	12.69	12.69	12.69
120	12.69	12.69	12.69	12.69	12.69	12.69	12.68	12.67	12.66	12.65
130	12.64	12.63	12.62	12.61	12.60	12.59	12.58	12.57	12.56	12.55
140	12.54	12.53	12.52	12.51	12.50	12.52	12.55	12.59	12.63	12.66
150	12.70	12.62	12.51	12.39	12.34	12.34	12.34	12.34	12.34	12.32
160	12.27	12.22	12.17	12.14	12.12	12.11	12.09	12.07	12.06	12.06
170	12.15	12.25	12.35	12.36	12.35	12.33	12.32	12.31	12.30	12.29
180	12.26	12.23	12.19	12.15	12.12	12.09	12.05	12.02	11.98	11.96
190	11.95	11.94	11.93	11.93	11.92	11.91	11.90	11.89	11.87	11.86
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 097X 06 SEPT 80 0430 37-01.0N 74-39.6W 26.2



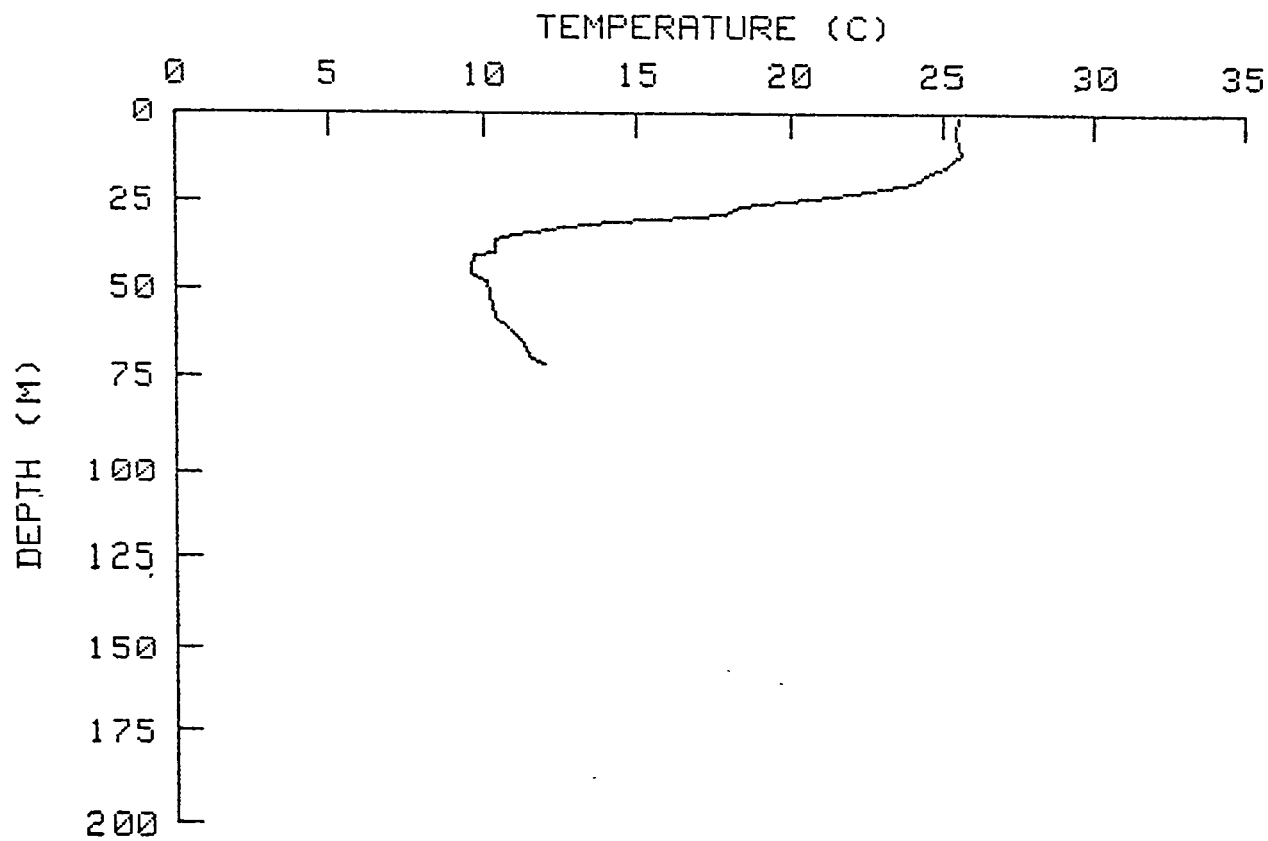
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.86	25.78	25.70	25.62	25.58	25.56	25.53	25.50
10	25.45	25.40	25.34	25.34	25.34	25.42	25.67	25.87	25.99	26.00
20	25.95	25.03	23.99	22.90	22.17	21.52	20.81	20.49	20.04	19.54
30	18.99	18.40	17.71	17.19	16.77	16.39	16.03	15.79	15.61	15.11
40	14.61	13.46	12.23	11.60	11.42	11.82	11.68	11.55	11.26	10.97
50	10.88	11.01	11.29	11.68	12.10	12.62	13.03	13.32	13.65	13.98
60	13.99	13.56	13.14	12.94	12.94	12.94	12.95	12.96	12.96	12.97
70	12.97	12.97	12.97	12.97	12.97	12.97	12.97	12.87	12.71	12.70
80	12.69	12.68	12.66	12.65	12.66	12.80	12.93	13.06	13.13	13.17
90	13.21	13.25	13.29	13.31	13.29	13.27	13.25	13.07	13.02	13.00
100	12.99	12.98	12.96	12.95	12.94	12.92	12.91	12.90	12.89	12.89
110	12.88	12.87	12.86	12.86	12.85	12.84	12.83	12.81	12.79	12.77
120	12.75	12.73	12.71	12.69	12.67	12.65	12.64	12.63	12.62	12.61
130	12.60	12.59	12.57	12.56	12.55	12.55	12.54	12.53	12.52	12.52
140	12.51	12.51	12.51	12.51	12.51	12.51	12.51	12.51	12.51	12.51
150	12.51	12.51	12.51	12.51	12.51	12.51	12.51	12.51	12.51	12.51
160	12.52	12.52	12.53	12.53	12.54	12.54	12.55	12.55	12.56	12.57
170	12.57	12.58	12.58	12.58	12.59	12.59	12.59	12.59	12.59	12.59
180	12.59	12.59	12.59	12.59	12.59	12.59	12.59	12.59	12.59	12.59
190	12.59	12.59	12.59	12.59	12.59	12.59	12.59	12.59	12.60	12.60
200	-	-	-	-	-	-	-	-	-	-

STATION 098X DATE 06 SEPT 80 TIME 0510 LAT 37-01.4N LON 74-40.3W DEPTH(M) 85 SST(C) 26.0



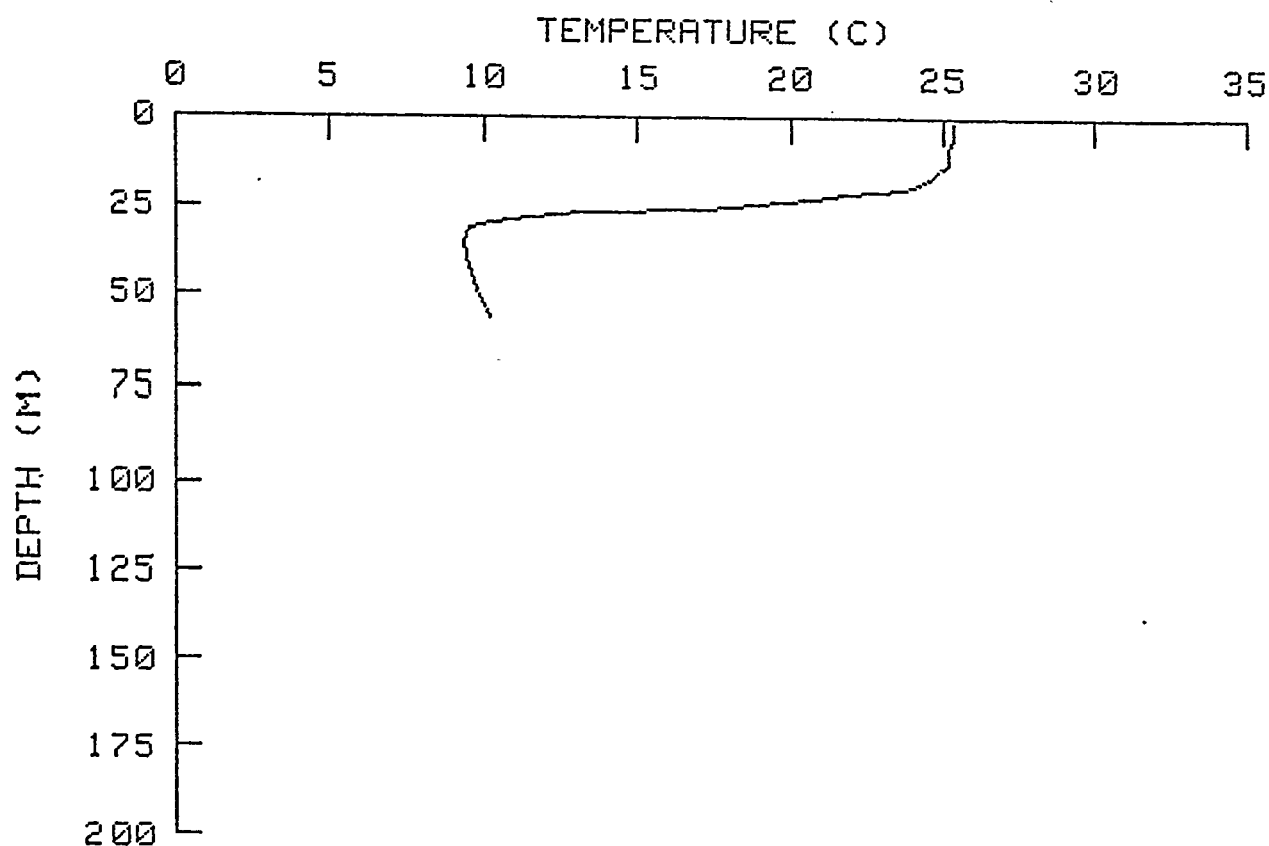
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.96	25.85	25.78	25.78	25.78	25.78	25.78	25.76
10	25.75	25.74	25.73	25.72	25.81	26.01	26.20	26.39	26.32	25.85
20	24.94	23.83	22.69	22.10	21.70	21.48	21.20	20.94	20.57	20.07
30	19.66	19.39	19.09	17.90	16.72	15.65	14.98	13.84	12.30	11.30
40	10.81	10.61	10.43	10.55	10.67	10.53	10.37	10.36	10.36	10.36
50	10.42	10.51	10.59	10.67	10.79	11.08	11.37	12.04	12.71	12.65
60	12.70	12.75	12.80	12.86	12.92	12.99	13.05	13.11	13.18	13.20
70	13.20	13.20	13.20	13.20	13.20	13.20	13.20	13.21	13.22	13.23
80	13.24	13.25	13.26	13.27	13.28	13.29	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 055X 06 SEPT 80 0540 37-01.9N 74-44.0W 88 26.0



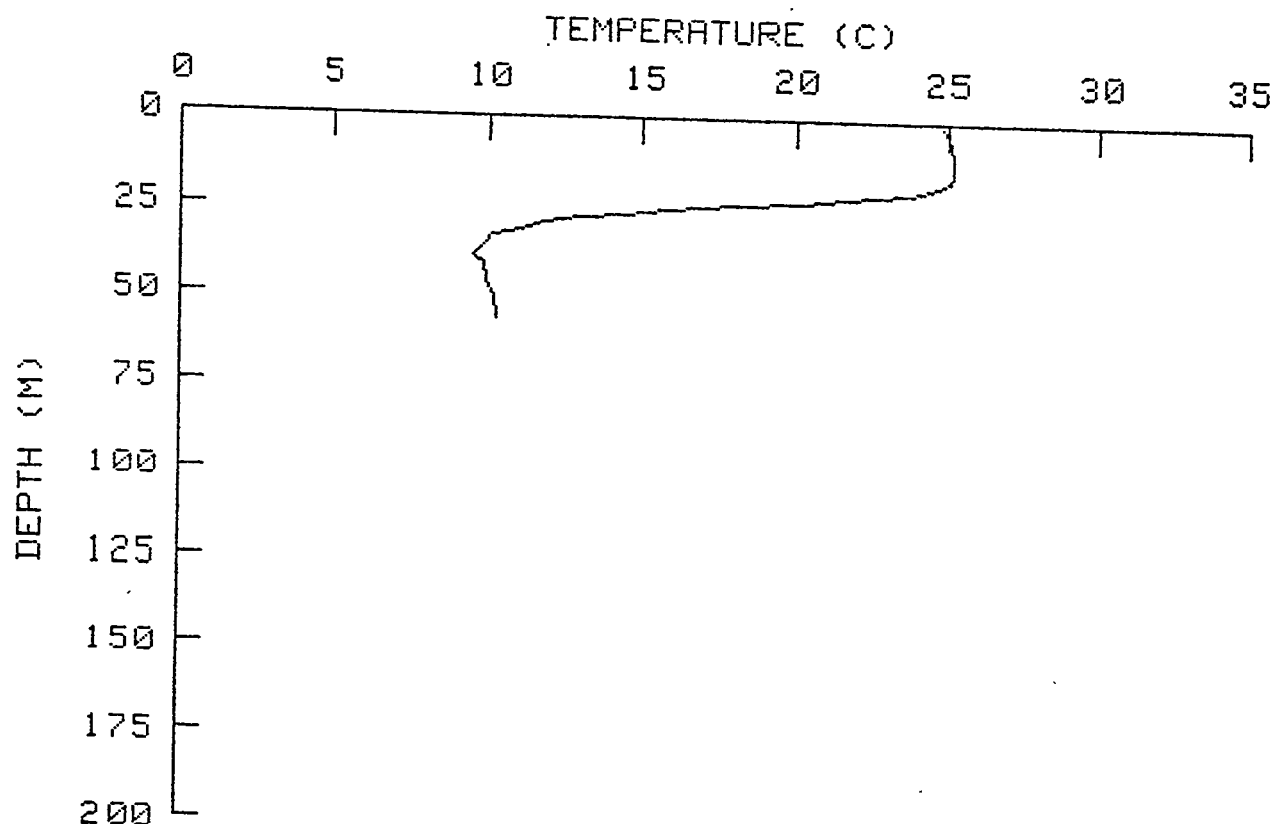
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.55	25.53	25.51	25.49	25.47	25.47	25.49	25.50
10	25.52	25.54	25.60	25.45	25.27	25.12	24.92	24.67	24.44	24.23
20	23.98	23.55	23.08	22.25	21.42	20.30	19.31	18.40	18.13	17.62
30	16.03	14.69	13.61	12.62	11.62	10.86	10.50	10.40	10.39	10.39
40	10.39	9.65	9.63	9.60	9.58	9.60	9.64	9.88	10.12	10.17
50	10.19	10.22	10.24	10.26	10.29	10.31	10.34	10.36	10.39	10.54
60	10.73	10.84	10.95	11.05	11.16	11.25	11.32	11.40	11.47	11.54
70	11.65	11.88	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 100X DATE 06 SEPT 80 TIME 0800 LAT 37-02.3N LON 74-46.7W DEPTH(M) 32 SST(C) 26.0



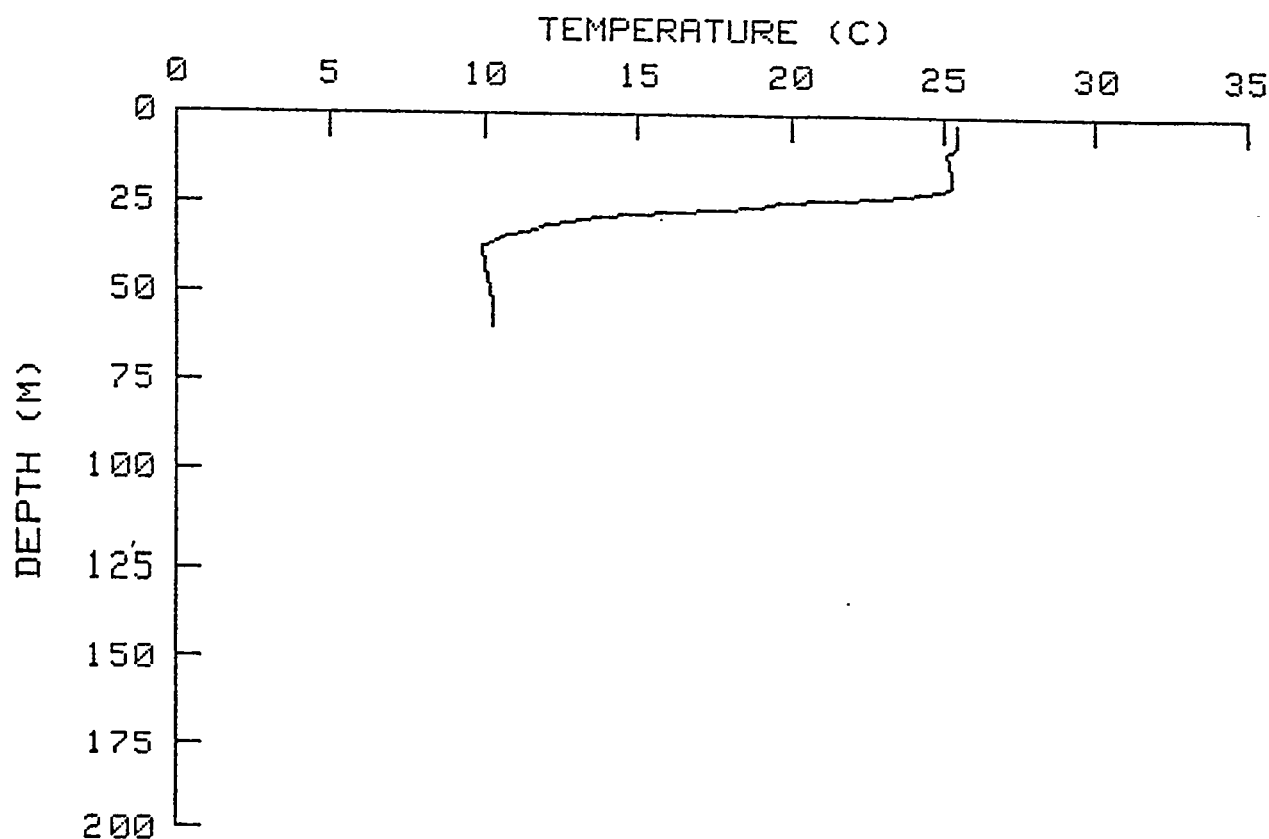
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.36	25.36	25.36	25.35	25.32	25.27	25.23	25.18
10	25.16	25.16	25.16	25.15	25.01	24.84	24.68	24.53	24.39	24.10
20	23.82	22.89	21.72	20.86	19.46	18.29	17.36	13.68	11.65	10.68
30	10.04	9.63	9.49	9.44	9.39	9.35	9.35	9.36	9.38	9.40
40	9.41	9.47	9.52	9.58	9.63	9.67	9.70	9.74	9.78	9.81
50	9.85	9.88	9.94	9.99	10.05	10.11	10.17	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 101X DATE 06 SEPT 80 TIME 0048 LAT 37-02.9N LON 74-49.0W DEPTH(M) 82 SST(C) 25.3



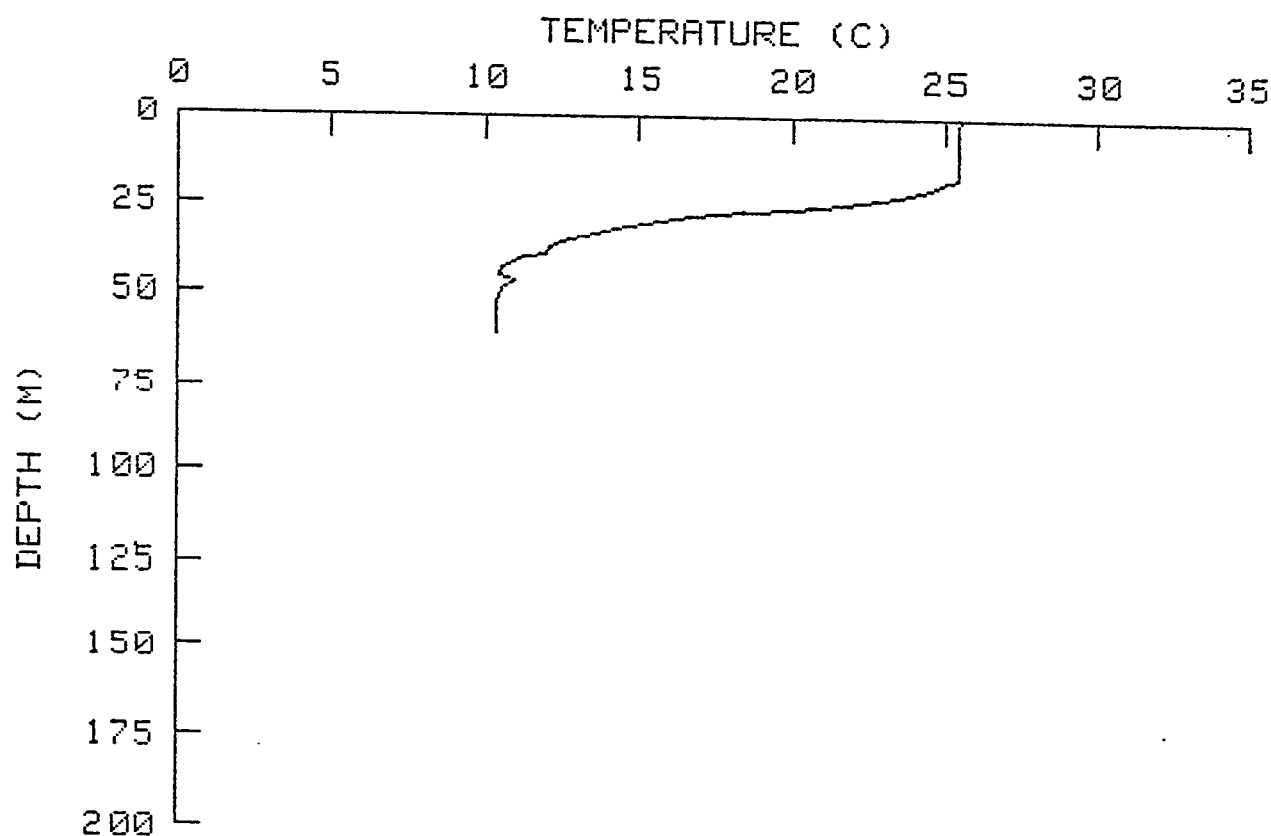
	0	1	2	3	4	5	6	7	8	9
0	-	-	24.82	24.88	24.94	25.00	25.05	25.07	25.10	25.12
10	25.14	25.15	25.15	25.15	25.15	25.11	25.07	24.89	24.56	24.14
20	23.53	22.19	21.03	19.85	17.90	16.31	15.04	13.84	12.72	11.89
30	11.39	10.98	10.58	10.15	10.04	9.92	9.79	9.66	9.54	9.59
40	9.72	9.86	9.88	9.90	9.91	9.93	9.94	9.97	10.02	10.06
50	10.11	10.15	10.18	10.21	10.24	10.27	10.30	10.33	10.36	10.39
60	10.43	10.46	10.49	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 102X DATE 06 SEPT 80 TIME 0800 LAT 37-05.5N LON 74-48.5W DEPTH(M) 52 SST(C) 25.4



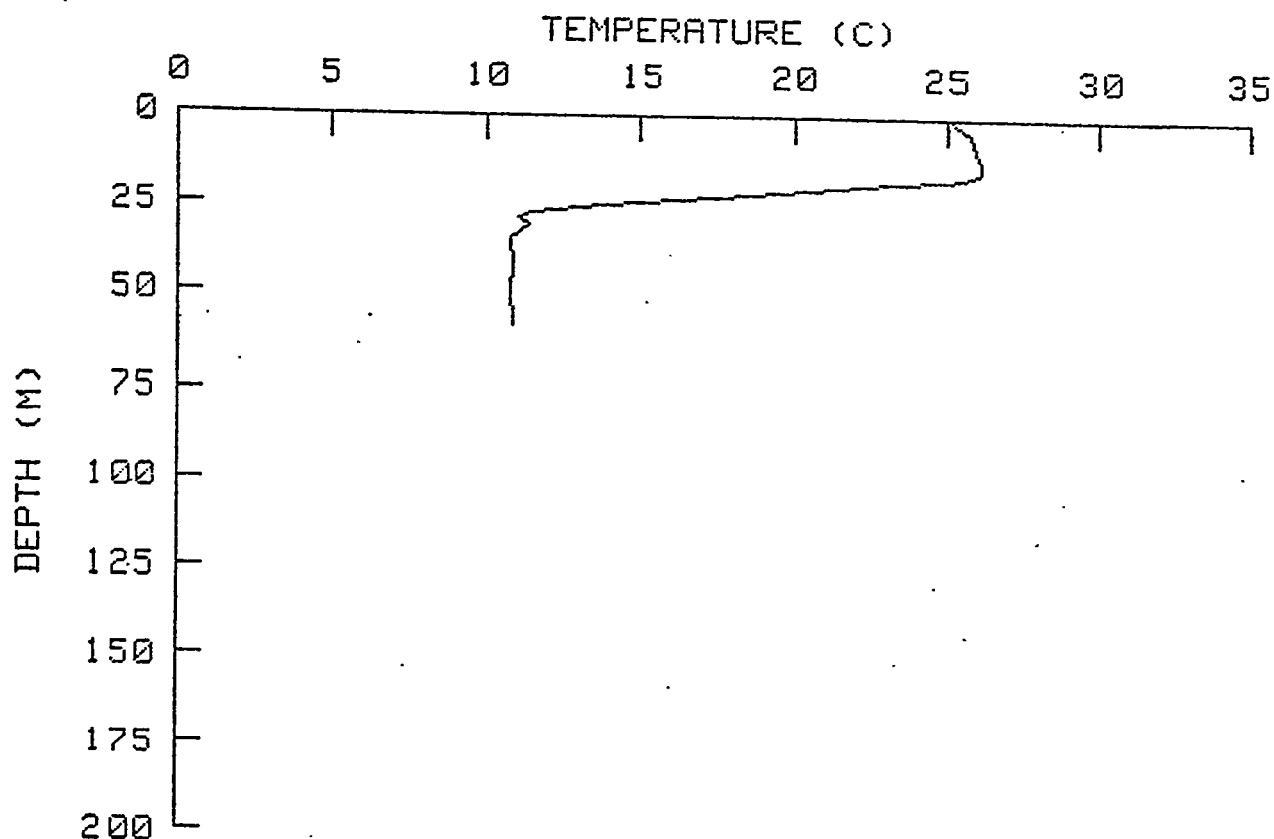
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	25.39	25.39	25.39	25.39	25.39	25.39	25.35
10	25.19	25.14	25.16	25.19	25.21	25.23	25.26	25.26	25.26	25.26
20	25.11	24.91	23.91	22.53	20.35	19.37	18.93	16.96	14.94	13.45
30	12.85	12.34	11.86	11.40	10.90	10.56	10.31	9.99	9.98	9.99
40	10.01	10.02	10.03	10.05	10.06	10.10	10.13	10.16	10.19	10.22
50	10.23	10.23	10.24	10.24	10.25	10.25	10.26	10.26	10.27	10.28
60	10.28	10.29	10.30	10.31	10.32	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 103X DATE 06 SEPT 00 TIME 0835 LAT 37-10.7N LON 74-47.1W DEPTH(M) 60 SST(C) 25.7



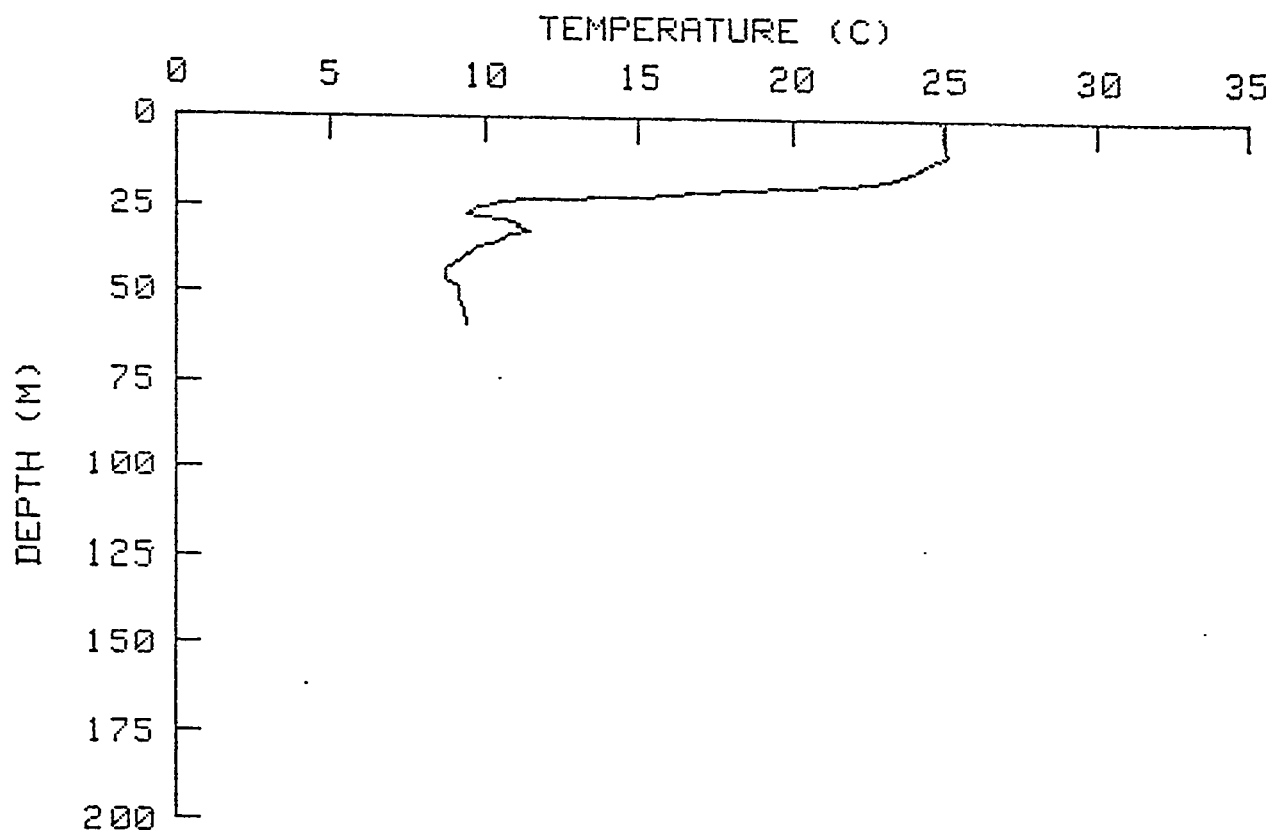
	0	1	2	3	4	5	6	7	8	9
0	-	25.50	25.48	25.45	25.44	25.44	25.44	25.44	25.44	25.44
10	25.44	25.44	25.43	25.42	25.40	25.40	25.41	25.42	25.13	24.85
20	24.57	24.13	23.55	22.85	22.13	21.26	20.10	18.65	17.12	16.04
30	15.33	14.73	14.16	13.75	13.34	12.85	12.35	12.05	12.01	11.96
40	11.44	11.08	10.77	10.54	10.50	10.45	10.70	10.91	10.72	10.56
50	10.50	10.43	10.36	10.36	10.36	10.35	10.35	10.35	10.35	10.35
60	10.35	10.35	10.35	10.35	10.35	10.35	10.34	10.34	10.34	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 104X DATE 06 SEPT 80 TIME 0900 LAT 37-15.8N LON 74-45.1W DEPTH(M) 82 SST(C) 25.6



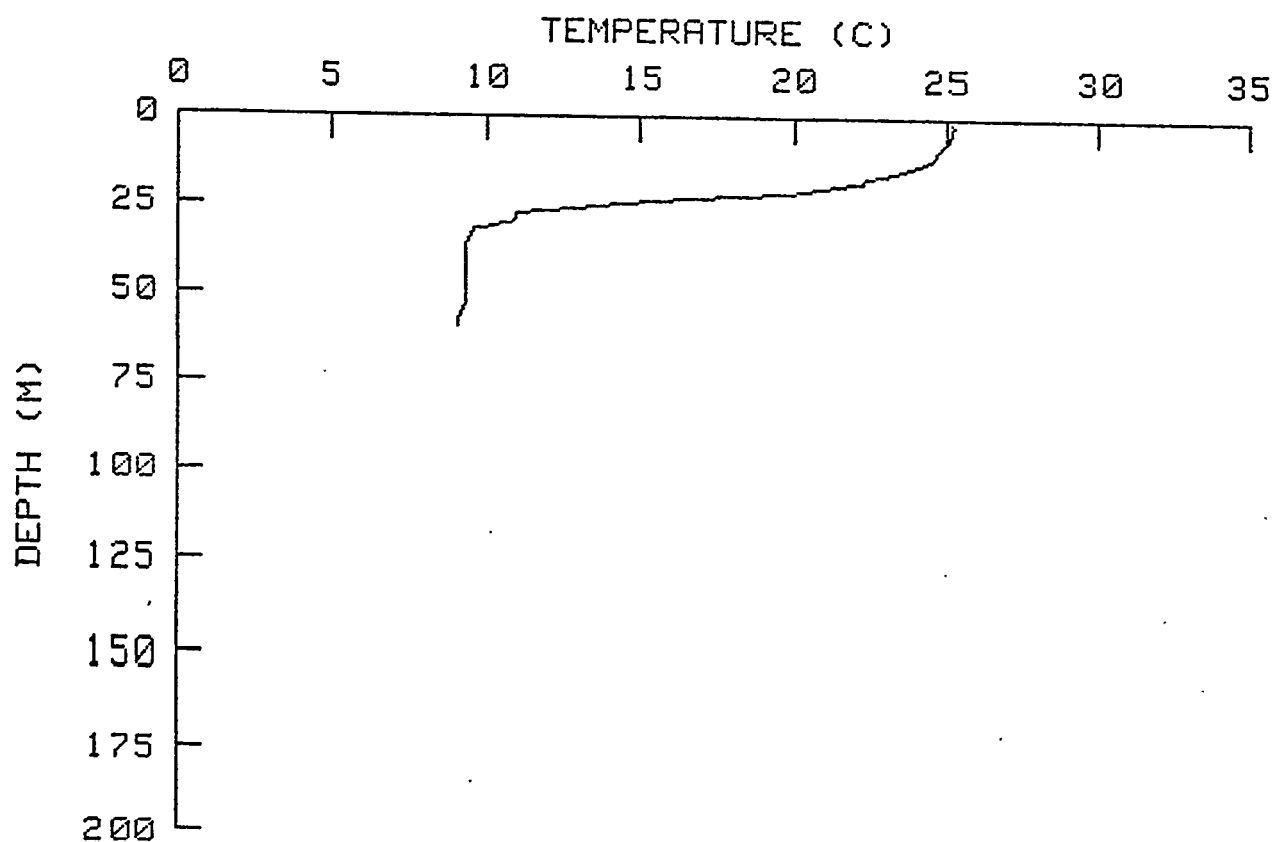
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.31	25.45	25.62	25.77	25.81	25.85	25.88	25.92
10	25.97	26.03	26.08	26.12	26.13	26.15	26.01	25.74	25.12	22.90
20	21.61	20.31	19.02	17.60	16.12	14.64	13.36	12.33	11.43	11.09
30	11.17	11.35	11.29	11.06	10.92	10.81	10.81	10.82	10.83	10.84
40	10.85	10.86	10.87	10.87	10.86	10.85	10.84	10.83	10.82	10.81
50	10.80	10.80	10.81	10.81	10.82	10.82	10.83	10.83	10.84	10.84
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 105X DATE 06 SEPT 80 TIME 0930 LAT 37-20.5N LON 74-42.4W DEPTH(M) 81 SST(C) 25.5



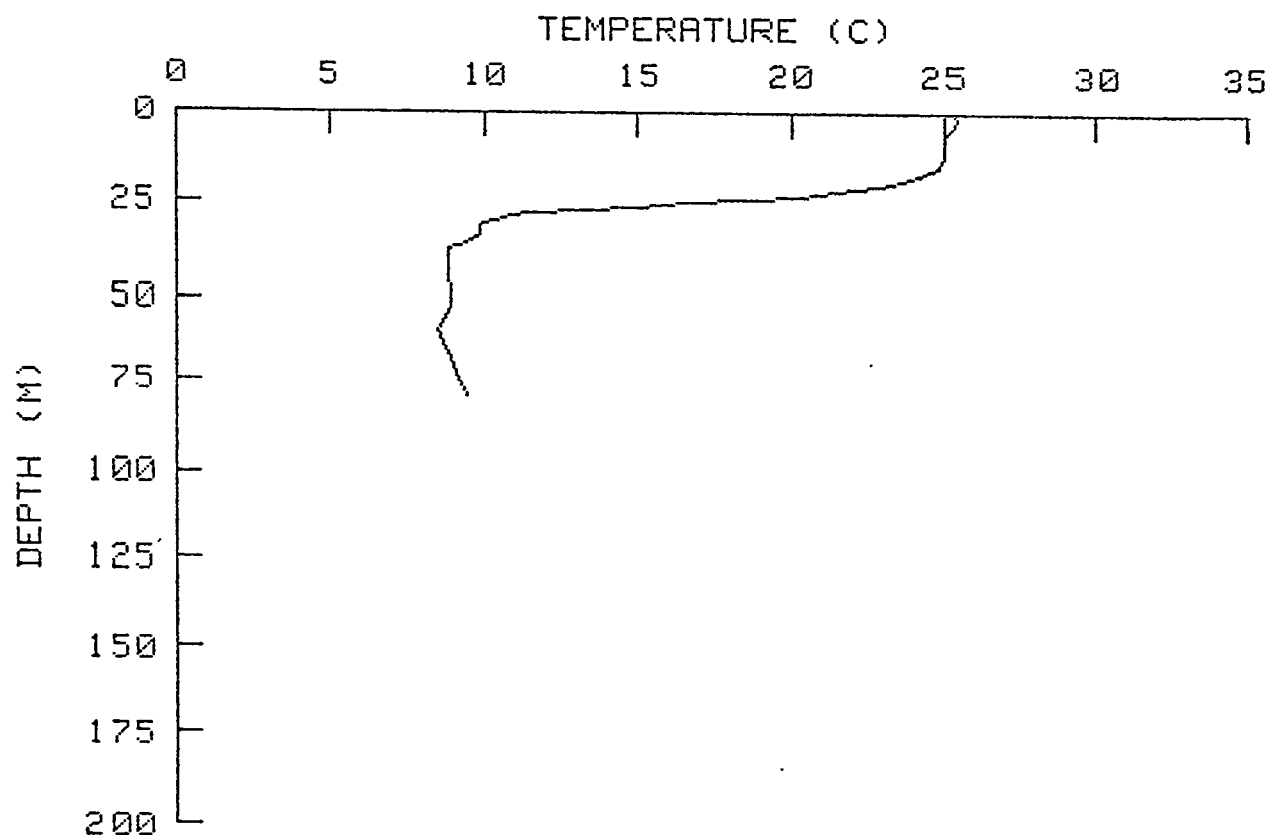
	0	1	2	3	4	5	6	7	8	9
0	-	-	24.94	24.94	24.94	24.94	24.94	24.96	24.98	25.01
10	25.11	24.87	24.62	24.29	24.13	23.87	23.55	23.24	22.48	21.37
20	19.42	17.28	15.16	11.39	10.48	10.04	9.71	9.52	9.69	10.65
30	10.96	11.06	11.23	11.30	10.73	10.59	10.25	9.83	9.69	9.58
40	9.39	9.21	9.03	8.85	8.75	8.75	8.75	8.79	8.98	9.15
50	9.17	9.18	9.20	9.29	9.30	9.32	9.34	9.36	9.38	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 106X DATE 06 SEPT 80 TIME 1025 LAT 37-21.5N LON 74-41.1W DEPTH(M) 61 SST(C) 25.7



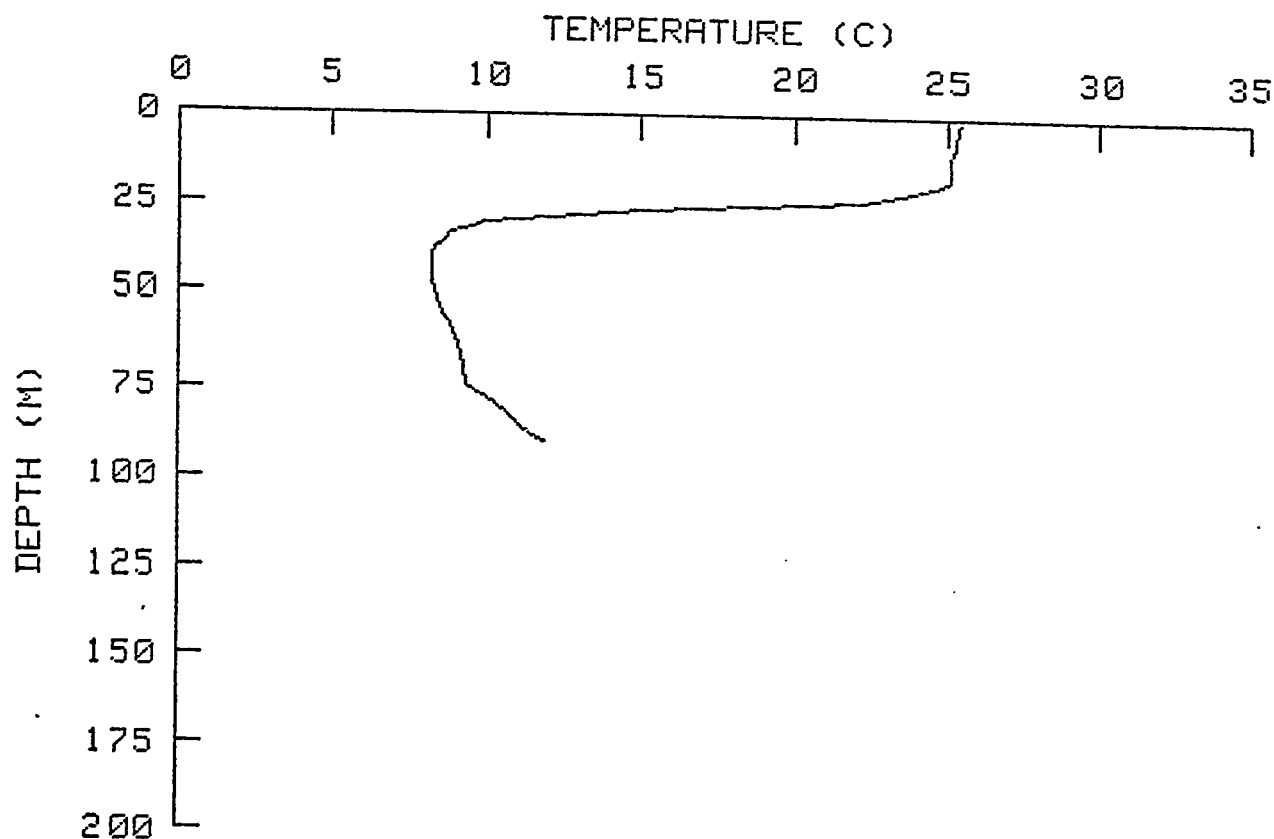
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.17	25.20	25.14	25.10	25.07	24.94	24.87	24.79
10	24.74	24.67	24.51	24.17	23.83	23.46	23.09	22.48	22.27	22.02
20	21.03	20.04	18.36	16.51	15.31	14.17	13.22	11.75	10.99	10.95
30	10.83	10.36	9.70	9.54	9.49	9.41	9.38	9.36	9.34	9.34
40	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34
50	9.34	9.34	9.34	9.34	9.31	9.24	9.12	9.05	9.05	9.05
60	9.07	9.09	9.11	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 107X DATE 06 SEPT 80 TIME 1100 LAT 37-22.0N LON 74-36.8W DEPTH(M) 81 SST(C) 25.7



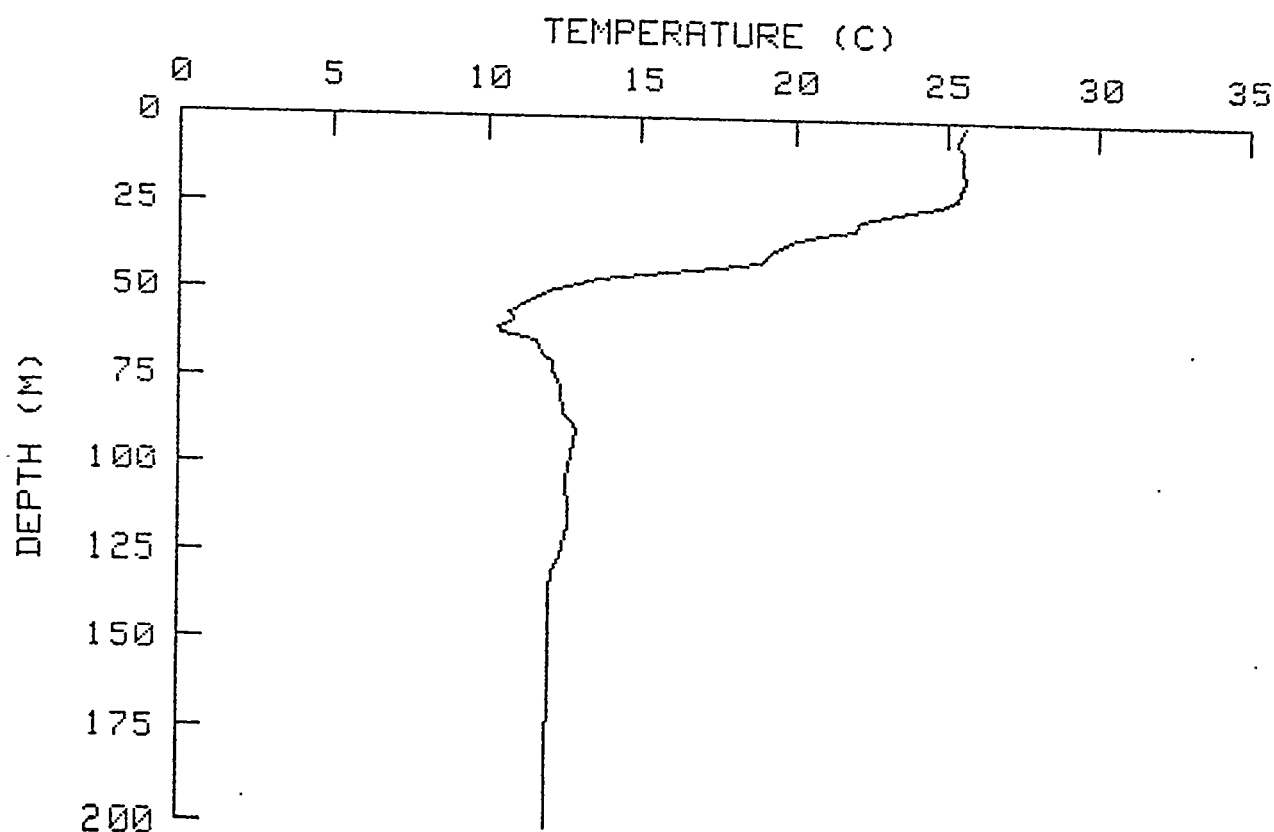
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.47	25.39	25.36	25.25	25.11	25.06	25.03	25.03
10	25.03	25.03	25.03	25.00	24.95	24.90	24.70	24.41	24.09	23.92
20	23.34	22.75	22.09	21.06	19.61	17.40	15.71	13.89	12.13	10.98
30	10.55	10.15	9.90	9.85	9.88	9.68	9.44	9.08	8.83	8.80
40	8.84	8.84	8.82	8.80	8.80	8.85	8.87	8.88	8.90	8.91
50	8.91	8.91	8.91	8.88	8.84	8.81	8.75	8.61	8.54	8.53
60	8.52	8.59	8.63	8.66	8.68	8.70	8.75	8.81	8.87	8.92
70	8.97	9.02	9.07	9.12	9.17	9.22	9.27	9.32	9.37	9.42
80	9.47	9.51	9.55	9.59	9.63	9.67	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 108X DATE 06 SEPT 80 TIME 1222 LAT 37-22.8N LON 74-34.9W DEPTH(M) 90 SST(C) 25.8



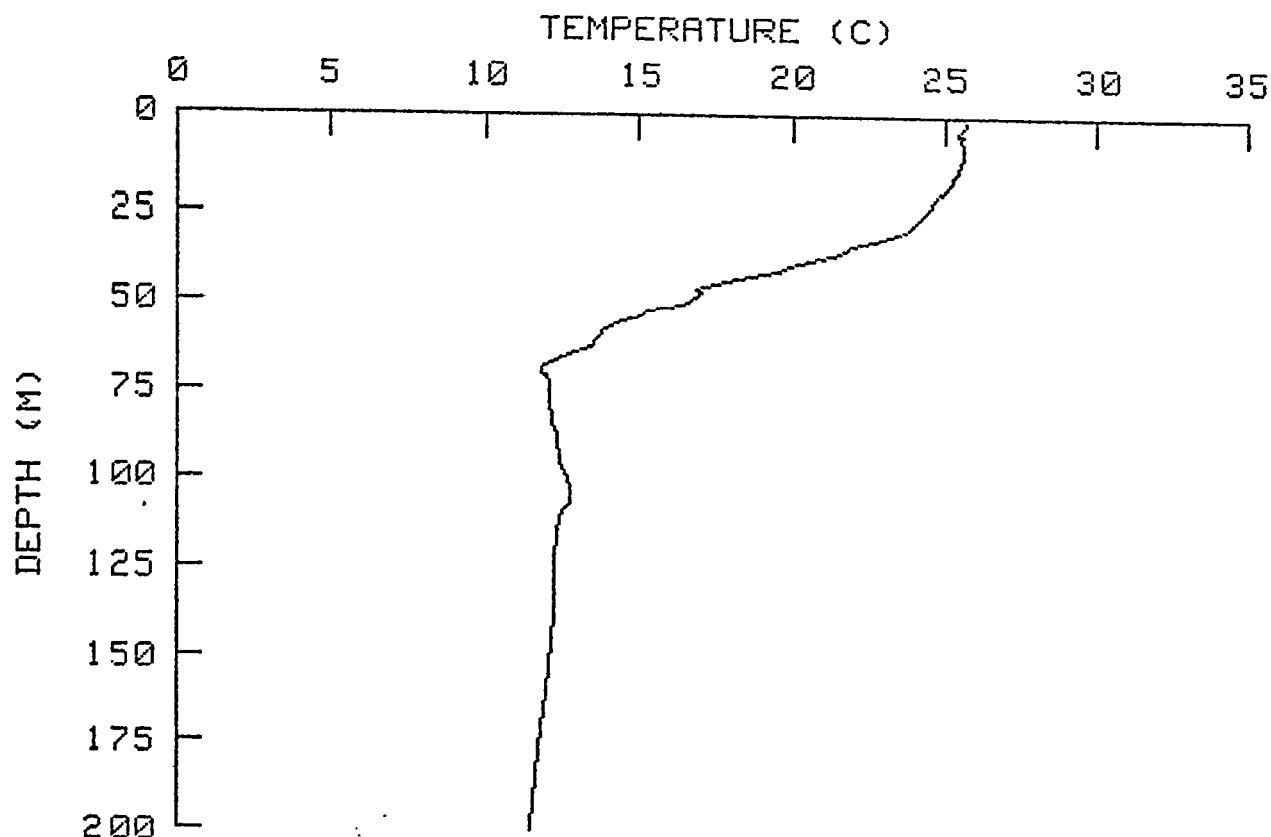
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.42	25.37	25.34	25.31	25.29	25.26	25.23	25.19
10	25.14	25.11	25.09	25.07	25.05	25.07	25.09	25.12	24.97	24.72
20	24.37	23.85	23.33	22.79	22.25	19.88	17.19	14.83	13.25	11.67
30	10.10	9.70	9.39	8.91	8.77	8.71	8.56	8.38	8.27	8.24
40	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.23	8.28
50	8.32	8.36	8.41	8.45	8.49	8.54	8.64	8.78	8.89	8.94
60	8.99	9.03	9.08	9.12	9.14	9.16	9.18	9.20	9.22	9.24
70	9.27	9.30	9.33	9.36	9.41	9.59	9.76	9.93	10.10	10.27
80	10.44	10.61	10.75	10.87	11.00	11.13	11.27	11.41	11.56	11.80
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 109X DATE 06 SEPT 80 TIME 1310 LAT 37-23.5N LON 74-28.8W DEPTH(M) 240 SST(C) 26.2



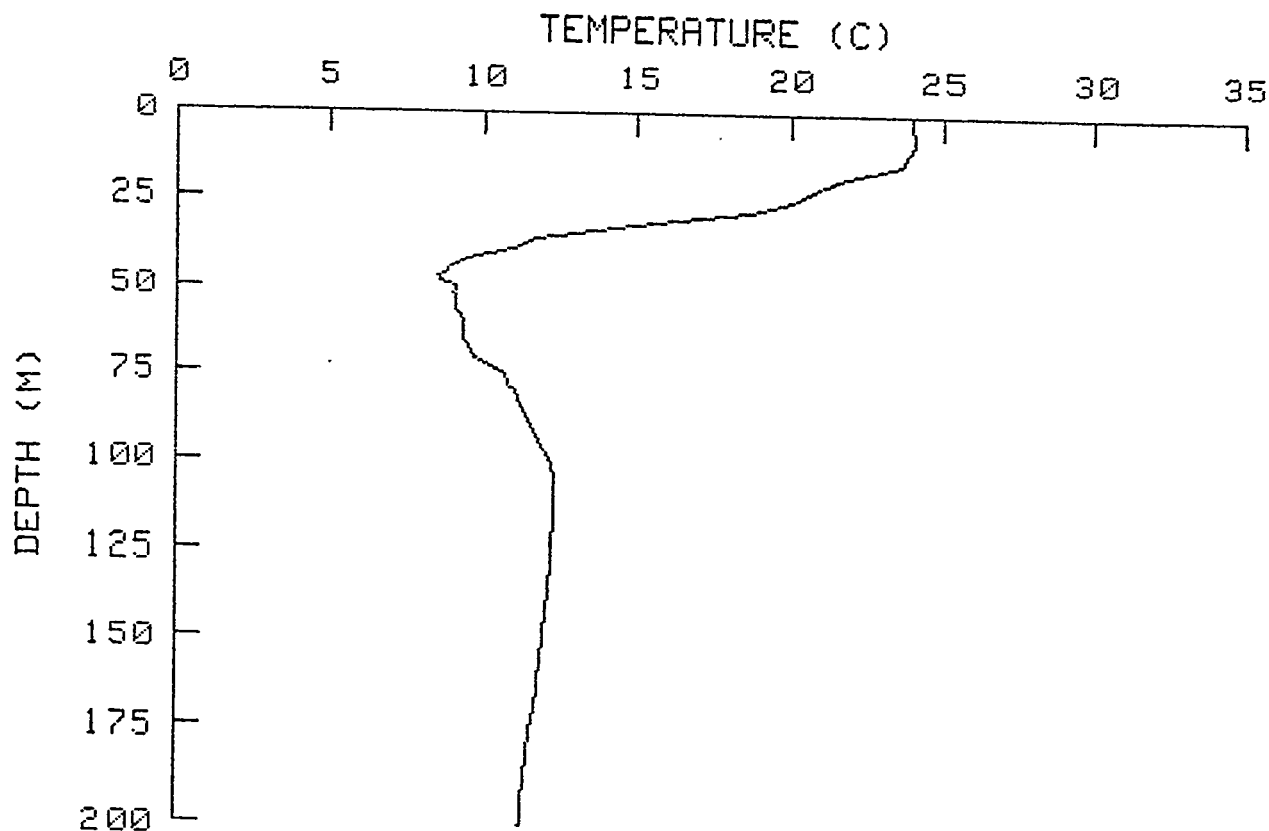
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.58	25.52	25.45	25.39	25.38	25.39	25.47	25.52
10	25.55	25.55	25.55	25.55	25.55	25.58	25.63	25.59	25.53	25.46
20	25.40	25.38	25.35	25.16	24.86	24.47	24.01	23.45	22.83	22.21
30	22.11	22.03	21.73	21.13	20.60	20.14	19.81	19.61	19.41	19.23
40	19.10	18.96	18.34	17.28	16.23	15.19	14.15	13.36	12.85	12.34
50	12.03	11.76	11.50	11.31	11.12	10.93	10.74	10.82	10.86	10.73
60	10.51	10.44	10.63	11.13	11.53	11.69	11.74	11.78	11.88	12.03
70	12.18	12.18	12.18	12.19	12.25	12.31	12.37	12.40	12.40	12.40
80	12.40	12.44	12.49	12.52	12.54	12.56	12.65	12.74	12.82	12.90
90	12.97	12.91	12.86	12.82	12.81	12.80	12.80	12.78	12.76	12.74
100	12.71	12.69	12.67	12.65	12.64	12.64	12.64	12.65	12.65	12.65
110	12.66	12.66	12.67	12.67	12.67	12.67	12.67	12.66	12.63	12.61
120	12.58	12.56	12.53	12.51	12.48	12.46	12.42	12.36	12.30	12.24
130	12.18	12.16	12.15	12.13	12.12	12.10	12.10	12.10	12.10	12.10
140	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10
150	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.10
160	12.10	12.10	12.10	12.10	12.10	12.10	12.10	12.09	12.09	12.08
170	12.07	12.07	12.06	12.06	12.05	12.05	12.04	12.03	12.03	12.02
180	12.02	12.02	12.02	12.02	12.02	12.02	12.02	12.02	12.02	12.02
190	12.02	12.02	12.02	12.02	12.02	12.02	12.02	12.02	12.02	12.02
200	-	-	-	-	-	-	-	-	-	-

STATION 110X DATE 06 SEPT 80 TIME 1404 LAT 37-24.0N LON 74-23.5W DEPTH(M) 960 SST(C) 26.4



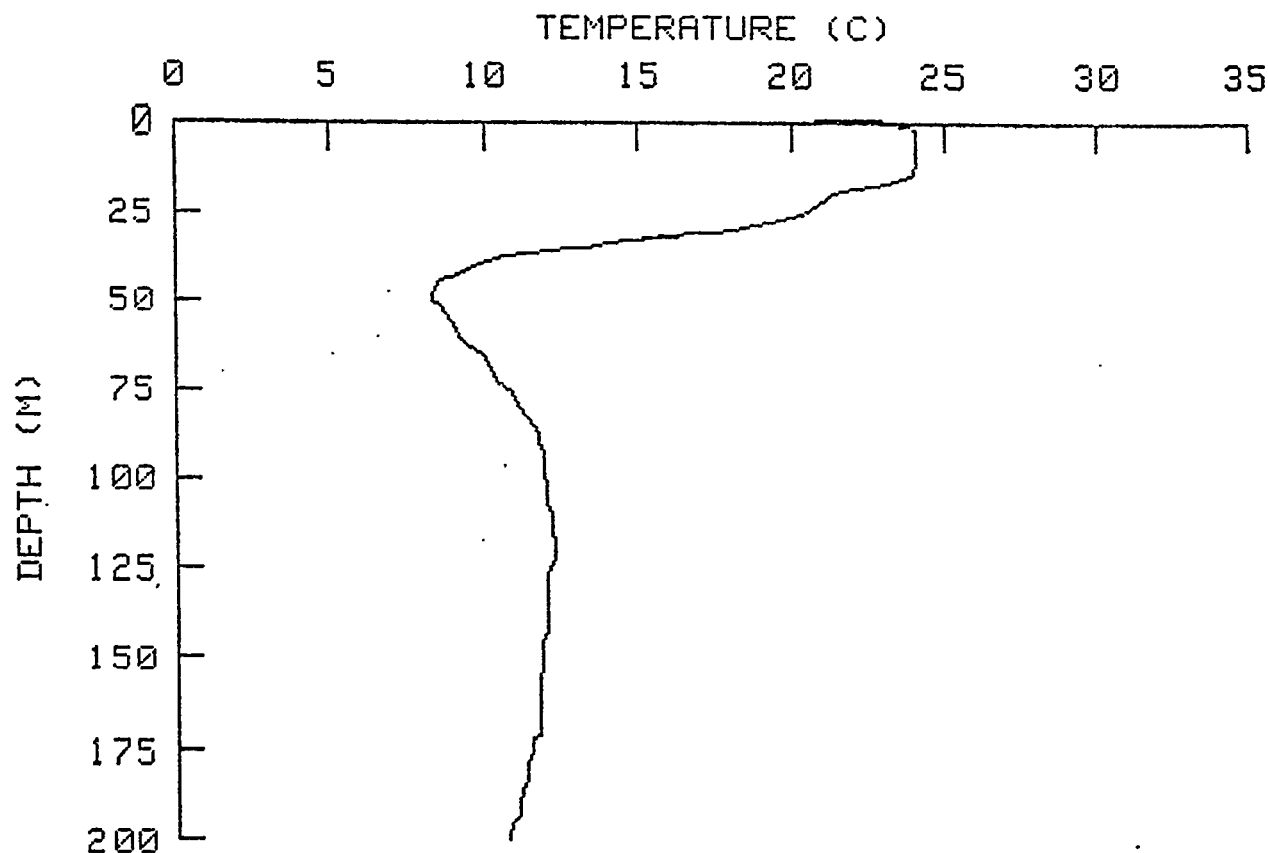
	0	1	2	3	4	5	6	7	8	9
0	-	-	25.70	25.68	25.55	25.50	25.49	25.52	25.56	25.58
10	25.58	25.58	25.55	25.49	25.43	25.36	25.28	25.20	25.08	24.94
20	24.80	24.67	24.58	24.49	24.39	24.27	24.16	24.05	23.94	23.82
30	23.62	23.24	22.85	22.44	22.03	21.81	21.68	21.36	20.85	20.33
40	19.90	19.67	19.27	18.66	18.10	17.65	17.11	16.97	16.95	16.77
50	16.58	16.22	15.63	15.20	15.08	14.63	14.30	14.10	13.91	13.81
60	13.72	13.62	13.53	13.33	13.04	12.73	12.42	12.16	11.92	11.85
70	11.87	11.96	12.00	12.05	12.06	12.06	12.06	12.06	12.07	12.09
80	12.11	12.12	12.14	12.16	12.18	12.22	12.27	12.32	12.34	12.35
90	12.36	12.37	12.37	12.38	12.39	12.40	12.41	12.48	12.54	12.61
100	12.67	12.71	12.74	12.75	12.75	12.75	12.75	12.68	12.57	12.47
110	12.46	12.44	12.42	12.41	12.39	12.38	12.37	12.36	12.35	12.34
120	12.33	12.32	12.31	12.30	12.29	12.29	12.29	12.29	12.29	12.29
130	12.29	12.29	12.29	12.29	12.29	12.29	12.29	12.29	12.29	12.28
140	12.26	12.25	12.24	12.22	12.21	12.20	12.18	12.17	12.16	12.14
150	12.13	12.12	12.10	12.09	12.08	12.07	12.05	12.04	12.03	12.02
160	12.00	11.98	11.96	11.93	11.91	11.88	11.87	11.86	11.85	11.85
170	11.84	11.83	11.82	11.81	11.80	11.79	11.78	11.77	11.76	11.75
180	11.74	11.73	11.73	11.72	11.71	11.70	11.69	11.67	11.65	11.64
190	11.62	11.61	11.59	11.58	11.57	11.55	11.54	11.53	11.51	11.50
200	-	-	-	-	-	-	-	-	-	-

STATION 111X DATE 07 SEPT 80 TIME 0620 LAT 37-51.2N LON 73-57.4W DEPTH(M) 750 SST(C) 24.2



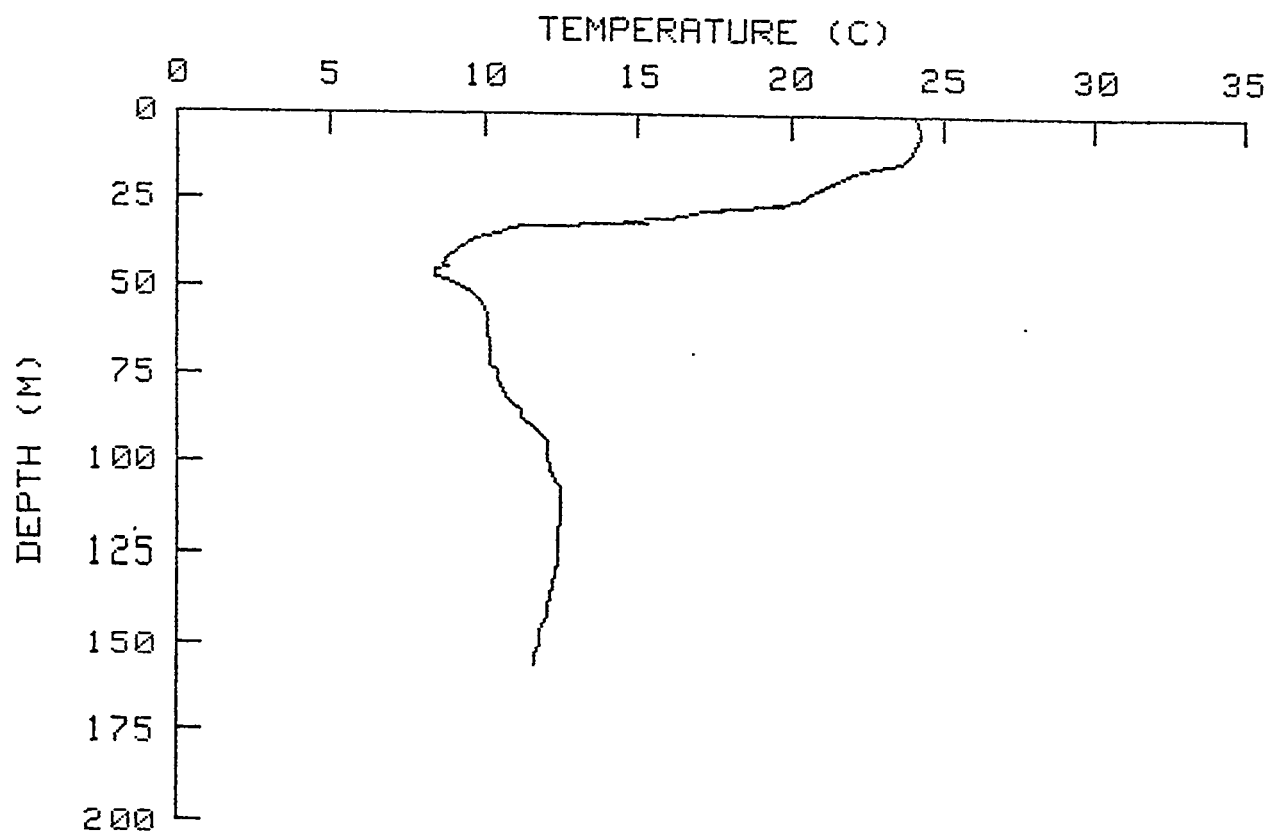
	0	1	2	3	4	5	6	7	8	9
0	-	-	24.02	24.02	24.03	24.03	24.04	24.04	24.04	24.05
10	23.99	23.91	23.84	23.77	23.69	23.62	23.11	22.53	22.13	21.75
20	21.44	21.13	20.84	20.62	20.40	20.18	19.80	19.37	18.94	18.16
30	16.99	15.82	14.99	14.21	13.31	12.42	11.69	11.38	11.07	10.65
40	10.15	9.66	9.30	9.05	8.88	8.81	8.67	8.53	8.63	8.95
50	9.08	9.06	9.02	9.09	9.11	9.12	9.12	9.14	9.22	9.27
60	9.31	9.34	9.34	9.34	9.34	9.34	9.38	9.48	9.56	9.62
70	9.69	9.86	10.12	10.28	10.45	10.62	10.72	10.76	10.80	10.96
80	11.08	11.12	11.16	11.20	11.25	11.30	11.36	11.41	11.46	11.53
90	11.59	11.66	11.72	11.78	11.85	11.91	11.98	12.04	12.10	12.16
100	12.23	12.26	12.28	12.30	12.31	12.33	12.34	12.34	12.34	12.34
110	12.34	12.34	12.34	12.33	12.33	12.32	12.32	12.31	12.31	12.30
120	12.29	12.29	12.28	12.28	12.27	12.27	12.26	12.25	12.25	12.24
130	12.22	12.21	12.20	12.19	12.18	12.17	12.15	12.14	12.13	12.12
140	12.11	12.10	12.08	12.07	12.06	12.05	12.04	12.02	12.01	12.00
150	11.99	11.98	11.97	11.95	11.94	11.93	11.92	11.91	11.89	11.88
160	11.87	11.86	11.84	11.83	11.82	11.81	11.79	11.78	11.77	11.76
170	11.74	11.70	11.67	11.63	11.60	11.56	11.54	11.53	11.52	11.51
180	11.50	11.49	11.48	11.47	11.46	11.45	11.44	11.42	11.41	11.40
190	11.39	11.38	11.37	11.36	11.35	11.34	11.32	11.31	11.30	11.28
200	-	-	-	-	-	-	-	-	-	-

STATION 112X DATE 07 SEPT 80 TIME 0645 LAT 37-52.4N LON 73-59.0W DEPTH(M) 400 SST(C) 24.4



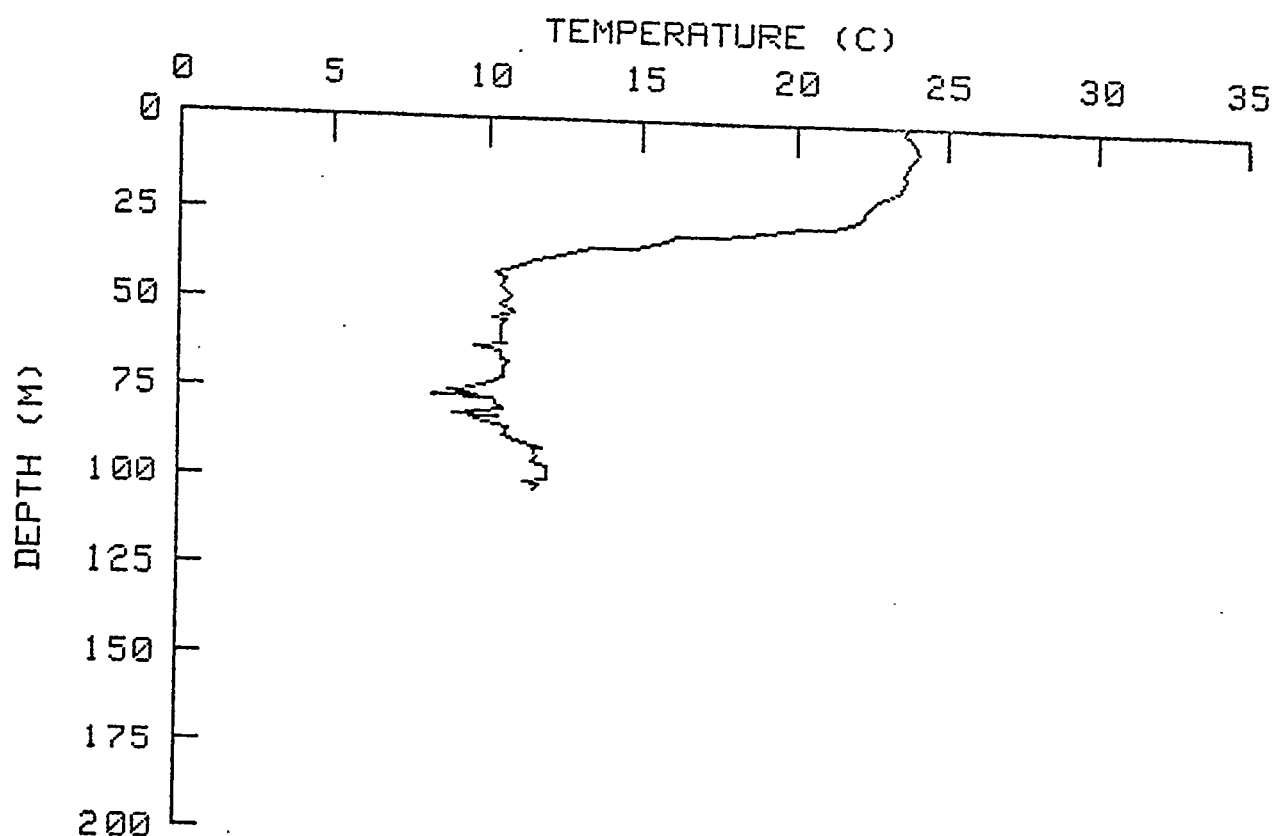
	0	1	2	3	4	5	6	7	8	9
0	21.98	23.70	24.04	24.04	24.04	24.04	24.04	24.04	24.04	24.04
10	24.04	24.04	24.03	24.00	23.97	23.75	23.53	23.16	22.41	21.82
20	21.47	21.27	21.14	20.96	20.79	20.64	20.48	19.85	19.24	18.76
30	18.28	17.59	15.86	15.09	14.19	13.60	12.25	11.22	10.56	10.12
40	9.83	9.56	9.36	9.15	8.81	8.56	8.51	8.46	8.41	8.35
50	8.35	8.45	8.63	8.70	8.76	8.83	8.89	8.95	9.00	9.05
60	9.11	9.17	9.30	9.43	9.63	9.83	9.97	10.02	10.07	10.12
70	10.19	10.26	10.33	10.40	10.55	10.71	10.88	10.94	10.99	11.04
80	11.09	11.17	11.26	11.34	11.43	11.52	11.60	11.67	11.71	11.71
90	11.71	11.75	11.81	11.87	11.89	11.89	11.89	11.89	11.89	11.91
100	11.94	11.97	11.99	12.02	12.02	12.02	12.02	12.02	12.06	12.12
110	12.17	12.20	12.20	12.20	12.20	12.20	12.21	12.21	12.22	12.22
120	12.22	12.22	12.22	12.22	12.17	12.12	12.07	12.03	12.03	12.03
130	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03
140	12.03	12.03	12.03	12.03	11.99	11.91	11.86	11.86	11.86	11.86
150	11.86	11.86	11.86	11.85	11.82	11.79	11.76	11.74	11.74	11.74
160	11.74	11.74	11.74	11.74	11.74	11.74	11.74	11.74	11.74	11.74
170	11.74	11.73	11.52	11.50	11.50	11.50	11.46	11.41	11.36	11.32
180	11.32	11.32	11.32	11.29	11.25	11.22	11.18	11.13	11.09	11.05
190	11.02	11.02	11.02	11.02	10.95	10.87	10.82	10.80	10.78	10.76
200	-	-	-	-	-	-	-	-	-	-

STATION 113X DATE 07 SEPT 80 TIME 0725 LAT 37-54.8N LON 73-01.3W DEPTH(M) 160 SST(C) 24.4



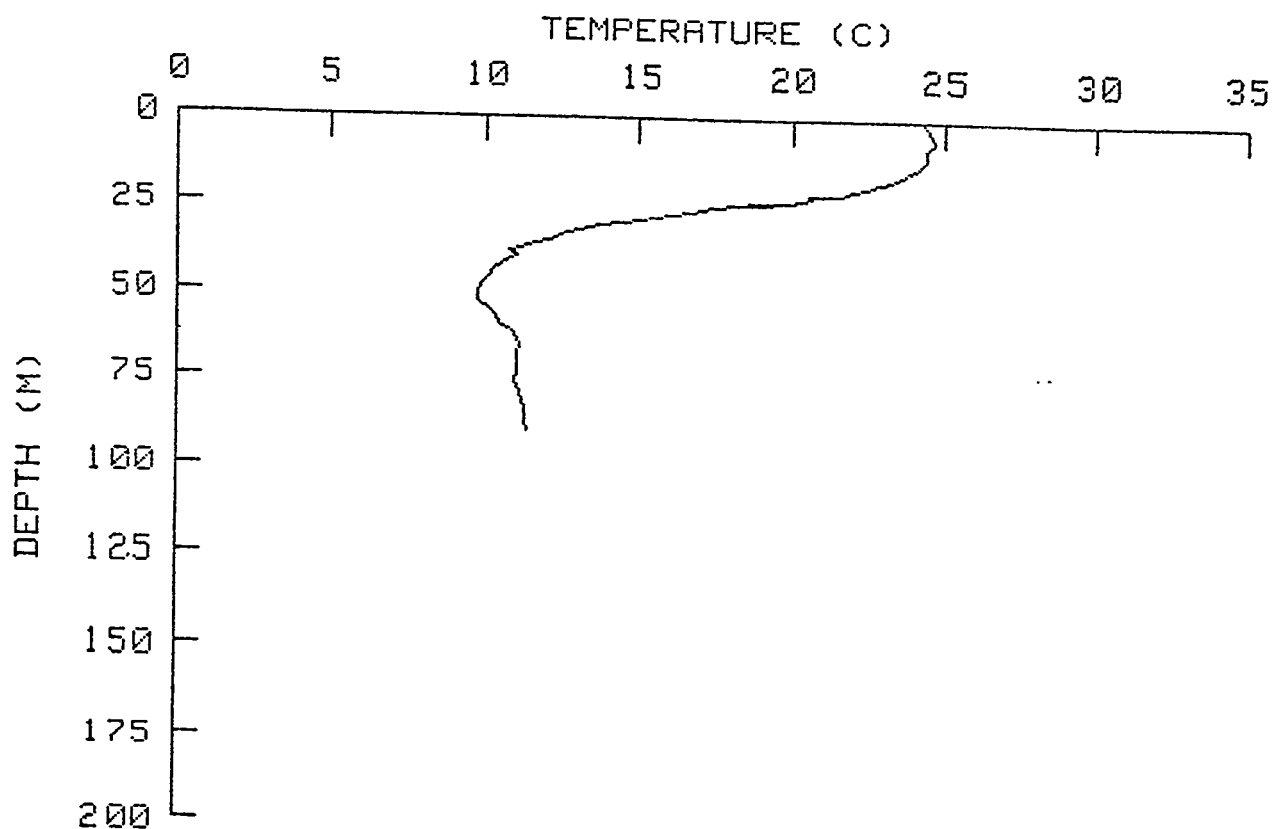
	0	1	2	3	4	5	6	7	8	9
0	-	24.01	24.10	24.14	24.17	24.20	24.23	24.18	24.12	24.06
10	24.01	23.95	23.89	23.80	23.70	23.36	22.57	22.10	21.83	21.60
20	21.38	21.17	20.92	20.67	20.50	20.35	19.58	18.32	17.47	16.84
30	16.36	15.00	13.20	11.29	10.73	10.43	9.91	9.47	9.35	9.23
40	9.09	8.95	8.83	8.74	8.66	8.50	8.40	8.40	8.80	9.07
50	9.29	9.49	9.66	9.80	9.93	10.00	10.04	10.08	10.11	10.11
60	10.11	10.11	10.11	10.12	10.15	10.19	10.22	10.22	10.22	10.22
70	10.22	10.22	10.22	10.35	10.47	10.47	10.47	10.49	10.55	10.61
80	10.67	10.72	10.86	11.00	11.13	11.26	11.26	11.26	11.40	11.54
90	11.67	11.78	11.91	12.03	12.11	12.11	12.11	12.11	12.11	12.12
100	12.16	12.21	12.21	12.24	12.30	12.36	12.45	12.54	12.51	12.48
110	12.48	12.48	12.48	12.48	12.47	12.47	12.47	12.46	12.43	12.40
120	12.40	12.40	12.40	12.40	12.40	12.40	12.40	12.37	12.33	12.30
130	12.30	12.30	12.30	12.25	12.19	12.15	12.13	12.10	12.08	12.08
140	12.08	12.07	11.99	11.90	11.87	11.84	11.82	11.81	11.81	11.81
150	11.77	11.73	11.68	11.66	11.66	11.66	11.65	11.62	11.59	11.56
160	11.53	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 114X DATE 07 SEPT 80 TIME 0922 LAT 37-58.2N LON 74-05.9W DEPTH(M) 104 SST(C) 23.9



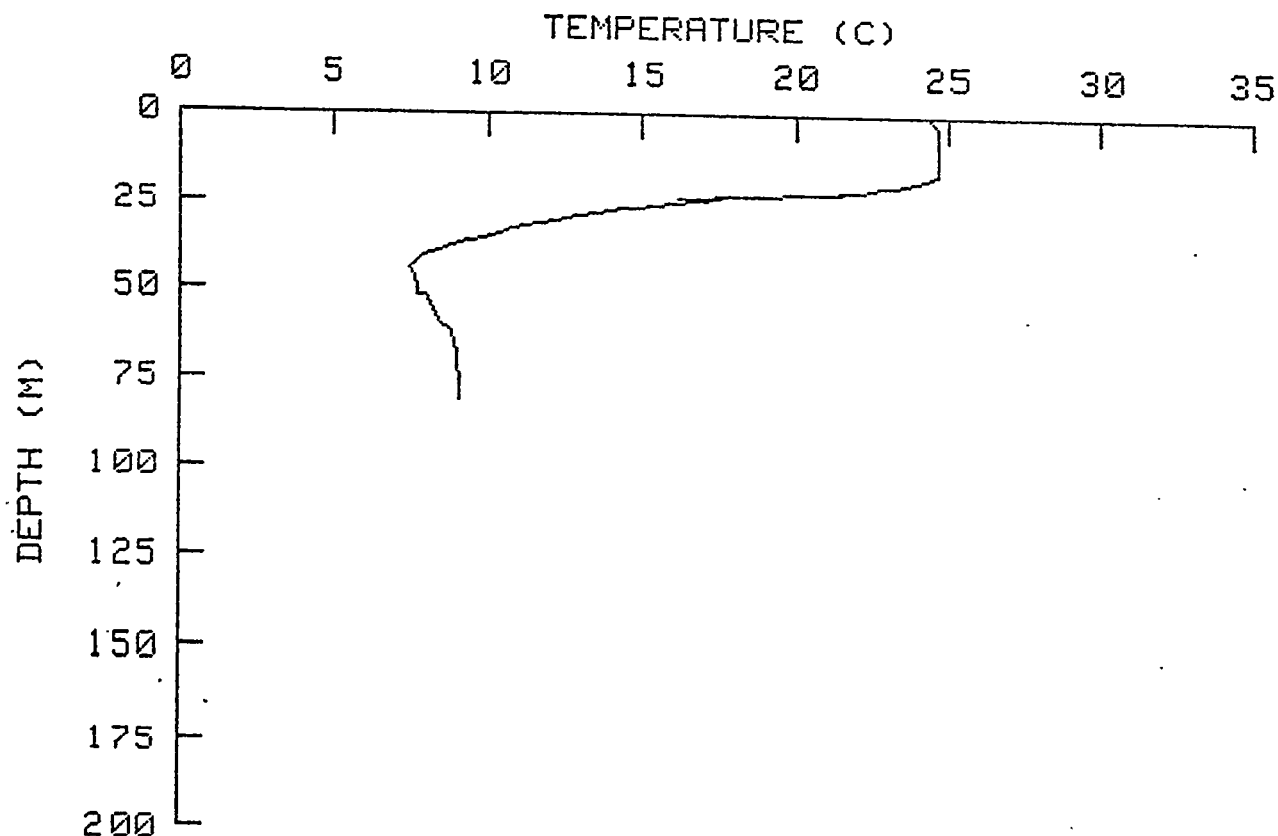
	0	1	2	3	4	5	6	7	8	9
0	-	23.53	23.59	23.82	23.92	24.01	24.09	23.99	23.88	23.76
10	23.69	23.64	23.59	23.57	23.62	23.62	23.53	23.43	23.30	23.16
20	22.78	22.58	22.47	22.36	22.27	22.17	22.07	21.69	21.16	19.76
30	18.57	17.59	15.95	15.54	14.97	13.51	12.87	12.21	11.84	11.46
40	11.07	10.91	10.40	10.48	10.62	10.55	10.52	10.63	10.75	10.74
50	10.60	10.51	10.70	10.82	10.37	10.42	10.58	10.46	10.47	10.47
60	10.47	10.47	10.45	9.59	10.43	10.43	10.43	10.75	10.63	10.58
70	10.58	10.58	10.35	10.03	9.70	9.29	9.20	9.22	10.27	10.37
80	10.51	9.69	9.93	9.69	10.08	10.54	10.64	10.57	10.65	10.90
90	11.24	11.64	11.55	11.63	11.62	11.51	11.86	12.00	12.00	12.00
100	11.98	11.29	11.75	11.60	11.70	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 115X DATE 07 SEPT 80 TIME 0957 LAT 38-00.4N LON 74-08.4W DEPTH(M) 95 SST(C) 24.8



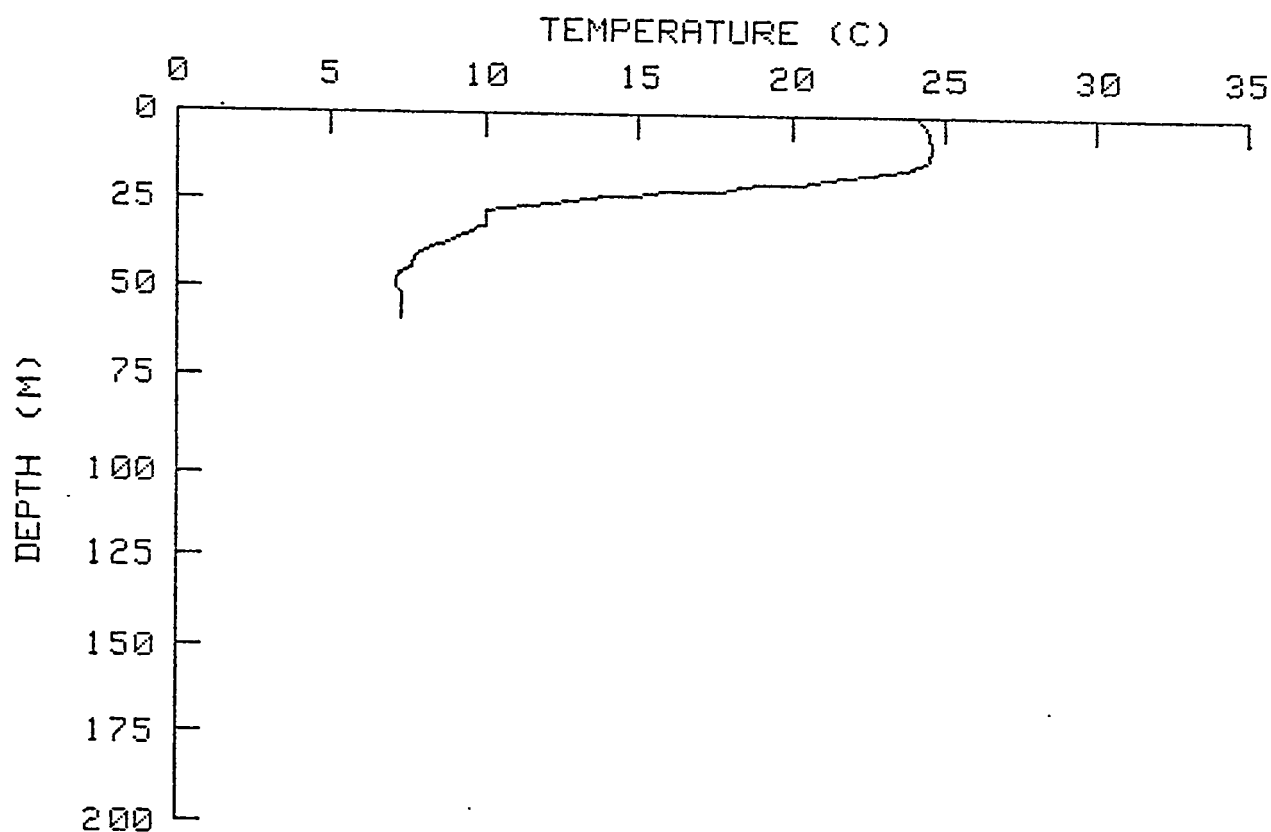
	0	1	2	3	4	5	6	7	8	9
0	-	-	24.40	24.50	24.53	24.57	24.61	24.56	24.46	24.39
10	24.39	24.39	24.33	24.28	24.04	23.85	23.65	23.43	23.15	22.74
20	22.36	22.02	21.58	20.57	20.13	19.31	17.77	16.97	16.26	15.45
30	14.61	13.91	13.30	12.79	12.40	12.23	11.99	11.46	11.01	10.86
40	11.01	10.85	10.62	10.43	10.26	10.15	10.07	10.01	9.95	9.88
50	9.81	9.78	9.78	9.83	9.99	10.13	10.26	10.34	10.41	10.48
60	10.67	10.85	10.93	10.97	11.02	11.07	11.10	11.10	11.10	11.10
70	11.10	11.10	11.10	11.10	11.09	11.05	11.00	10.98	11.05	11.12
80	11.18	11.20	11.23	11.26	11.28	11.29	11.29	11.28	11.29	11.35
90	11.41	11.43	11.45	11.48	11.50	11.52	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 118X DATE 07 SEPT 80 TIME 1053 LAT 30-02.2N LON 74-08.6W DEPTH(M) 81 SST(C) 24.9



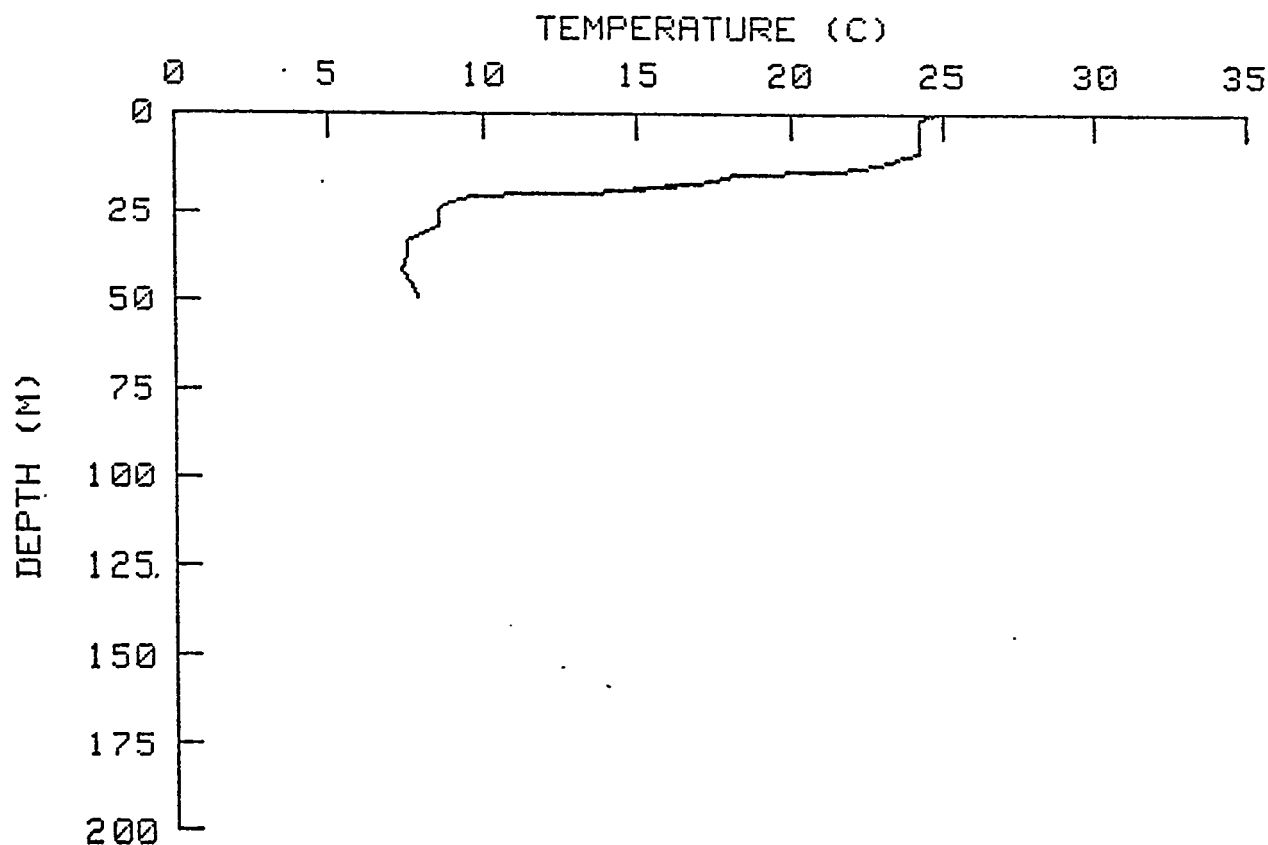
	0	1	2	3	4	5	6	7	8	9
0	-	24.45	24.53	24.60	24.64	24.64	24.64	24.64	24.64	24.64
10	24.64	24.64	24.64	24.64	24.64	24.64	24.64	24.64	24.18	23.86
20	23.34	22.46	21.39	19.45	16.45	16.06	15.23	14.18	13.75	13.13
30	12.38	11.78	11.04	10.72	10.45	10.14	9.76	9.22	8.79	8.46
40	8.10	7.82	7.70	7.61	7.52	7.53	7.57	7.61	7.65	7.69
50	7.73	7.73	7.95	8.05	8.15	8.21	8.25	8.29	8.36	8.44
60	8.56	8.68	8.81	8.84	8.88	8.91	8.94	8.95	8.97	8.97
70	8.97	8.97	8.97	9.01	9.05	9.08	9.08	9.08	9.08	9.08
80	9.08	9.08	9.30	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 117X DATE 07 SEPT 80 TIME 1139 LAT 38-05.5N LON 74-12.2W DEPTH(M) 59 SST(C) 24.7



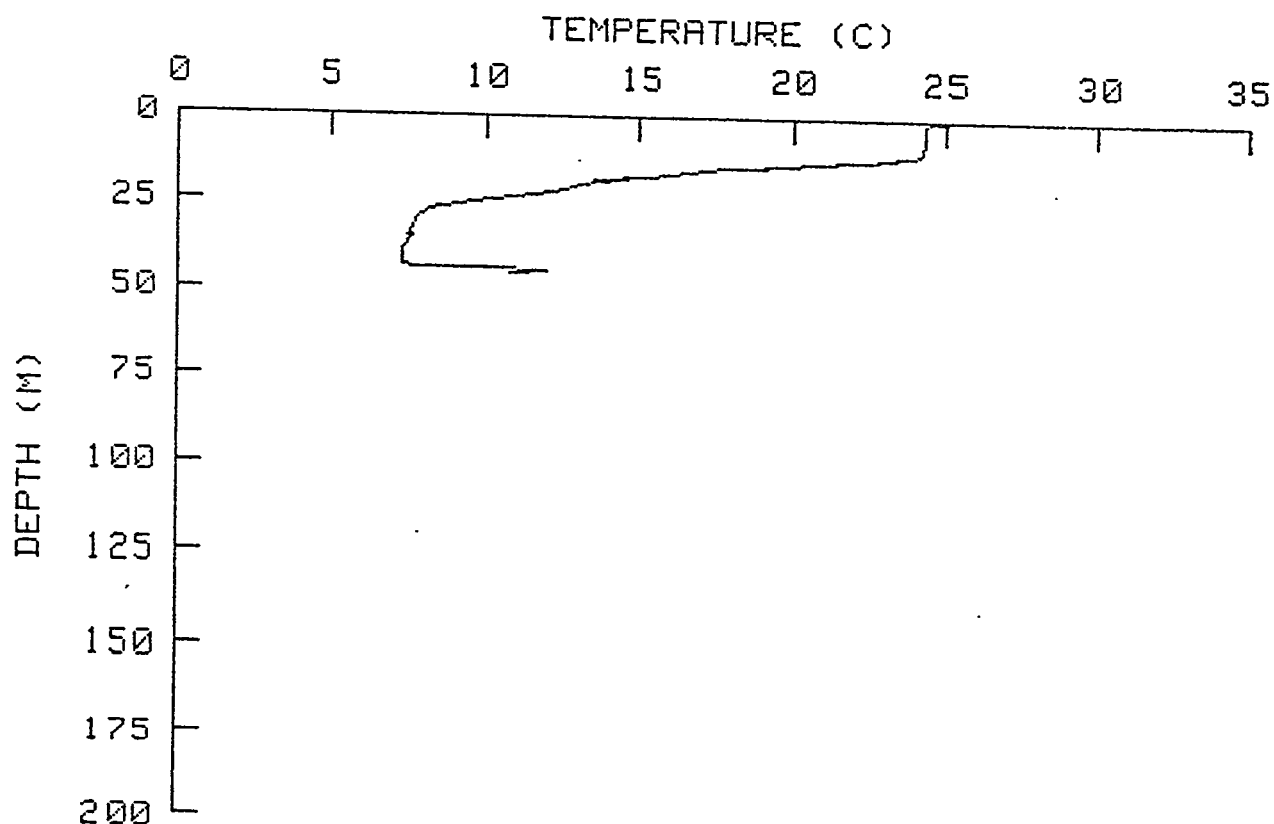
	0	1	2	3	4	5	6	7	8	9
0	-	24.18	24.28	24.36	24.41	24.45	24.49	24.52	24.55	24.59
10	24.56	24.53	24.49	24.42	24.25	23.99	23.33	22.50	21.65	21.08
20	19.66	18.56	17.82	15.35	13.73	12.96	12.25	10.93	10.19	10.03
30	10.03	10.03	10.03	9.79	9.68	9.40	9.07	8.81	8.47	8.17
40	7.93	7.79	7.71	7.63	7.62	7.34	7.17	7.16	7.15	7.14
50	7.14	7.23	7.33	7.33	7.33	7.33	7.33	7.33	7.33	7.33
60	7.33	7.33	7.33	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 118X DATE 07 SEPT 80 TIME 1250 LAT 38-06.9N LON 74-15.4W DEPTH(M) 52 SST(C) 24.8



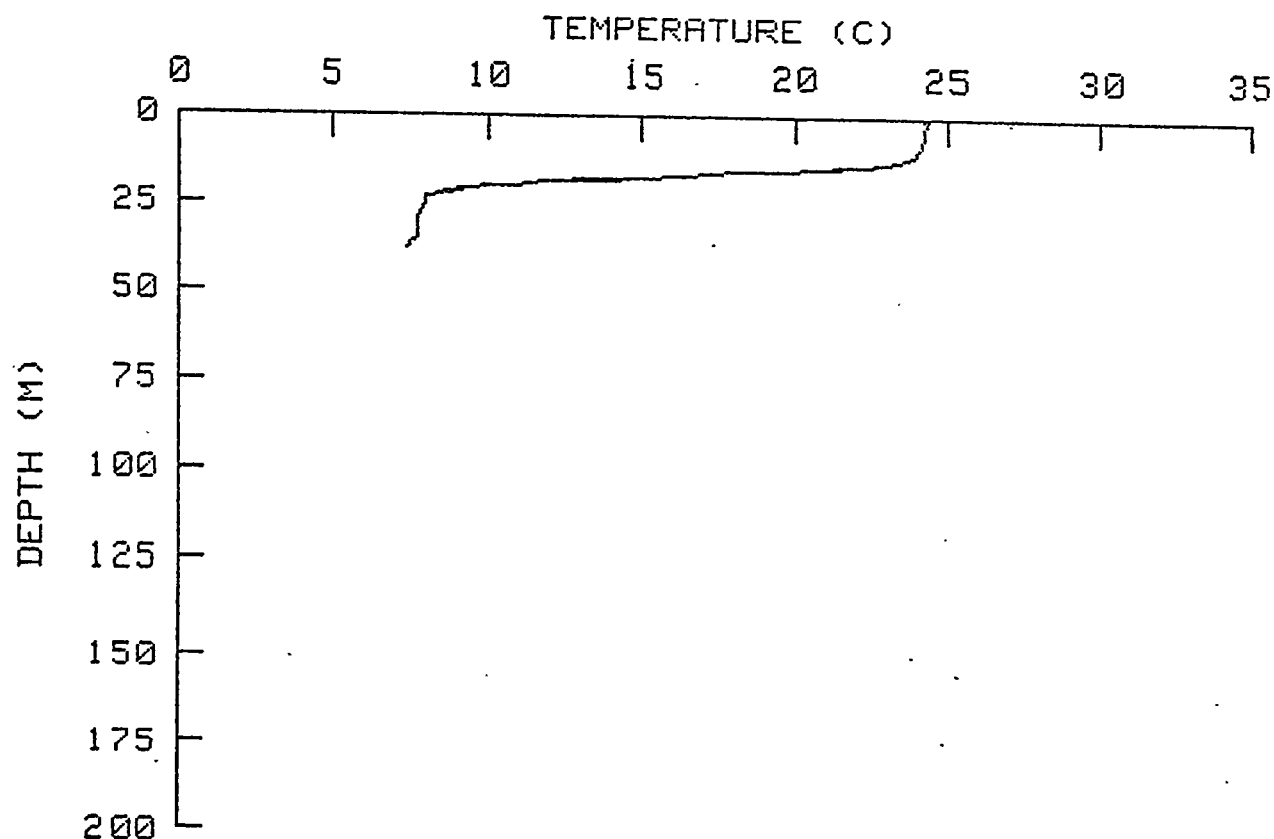
	0	1	2	3	4	5	6	7	8	9
0	-	24.60	24.21	24.21	24.21	24.21	24.21	24.21	24.21	24.21
10	24.21	24.00	23.53	23.12	22.38	20.59	18.72	17.39	16.01	14.93
20	12.28	10.44	9.19	8.77	8.64	8.60	8.60	8.60	8.60	8.60
30	8.53	8.24	8.01	7.80	7.60	7.56	7.56	7.56	7.54	7.50
40	7.46	7.42	7.38	7.44	7.53	7.62	7.70	7.75	7.80	7.85
50	7.90	7.96	8.02	8.08	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 119X DATE 07 SEPT 80 TIME 1335 LAT 30-10.4N LON 74-17.7W DEPTH(M) 45 SST(C) 24.8



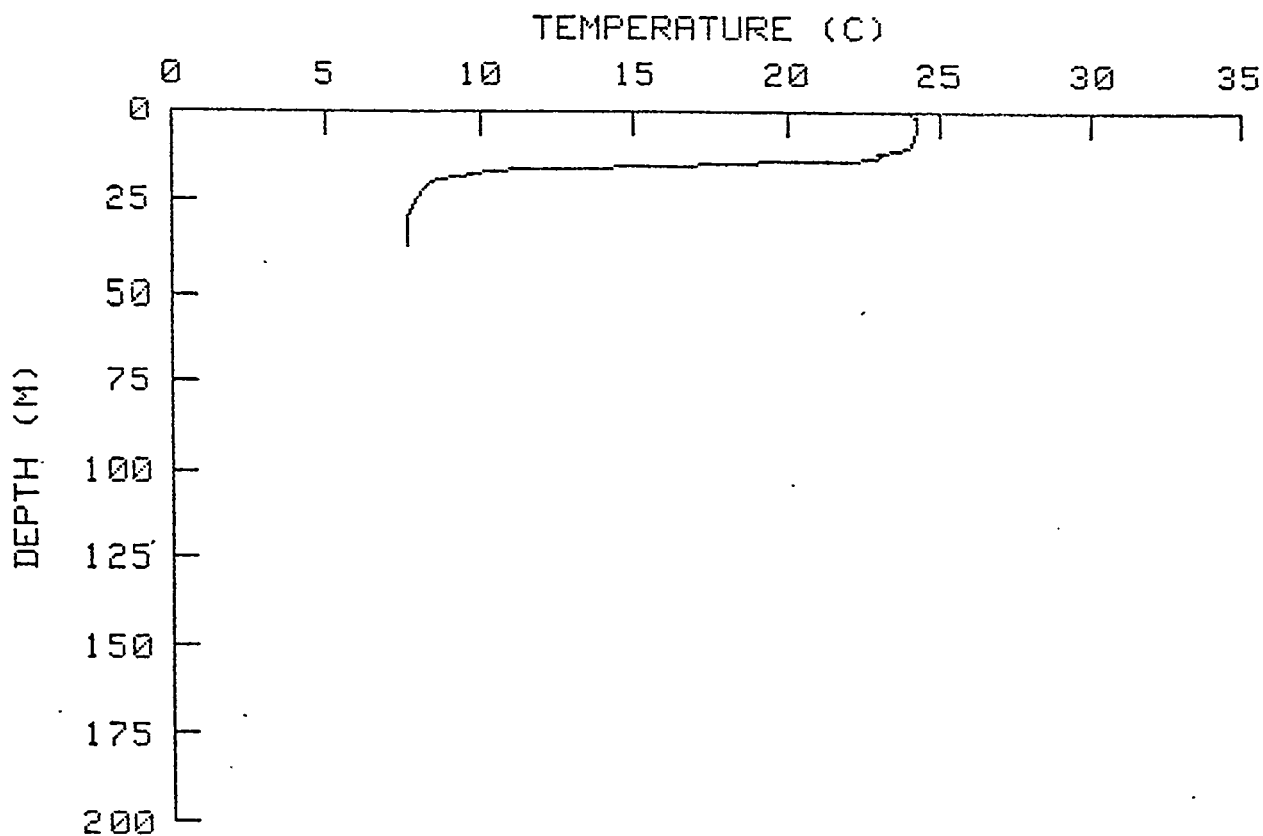
	0	1	2	3	4	5	6	7	8	9
0	-	24.58	24.35	24.35	24.35	24.35	24.35	24.35	24.30	24.25
10	24.19	24.00	22.78	21.74	20.25	18.47	17.21	16.13	14.77	14.07
20	13.25	12.81	12.13	11.61	10.60	9.70	8.94	8.32	8.04	7.87
30	7.76	7.70	7.64	7.58	7.52	7.58	7.50	7.43	7.36	7.31
40	7.31	7.31	7.31	7.43	11.10	11.09	10.57	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 120X DATE 07 SEPT 80 TIME 1503 LAT 38-12.7N LON 74-21.0W DEPTH(M) 42 SST(C) 24.4



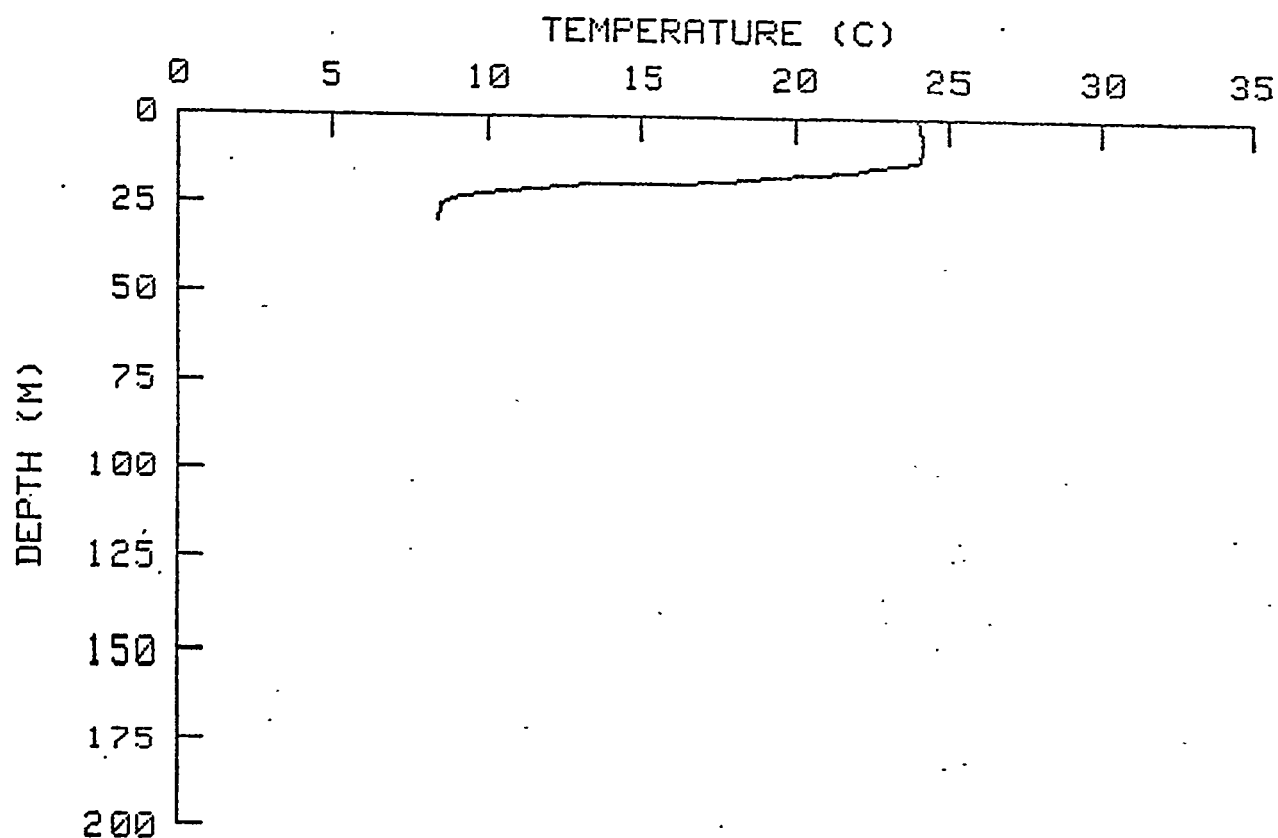
	0	1	2	3	4	5	6	7	8	9
0	-	24.38	24.32	24.27	24.22	24.20	24.19	24.18	24.17	24.09
10	24.00	23.91	23.62	23.05	22.24	20.97	18.20	16.27	13.91	11.82
20	10.70	9.16	8.76	8.03	7.98	7.95	7.90	7.83	7.75	7.70
30	7.70	7.70	7.70	7.70	7.70	7.64	7.50	7.42	7.35	7.35
40	7.34	7.34	7.34	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 121X DATE 07 SEPT 80 TIME 1540 LAT 30-15.6N LON 74-23.5W DEPTH(M) 41 SST(C) 24.6



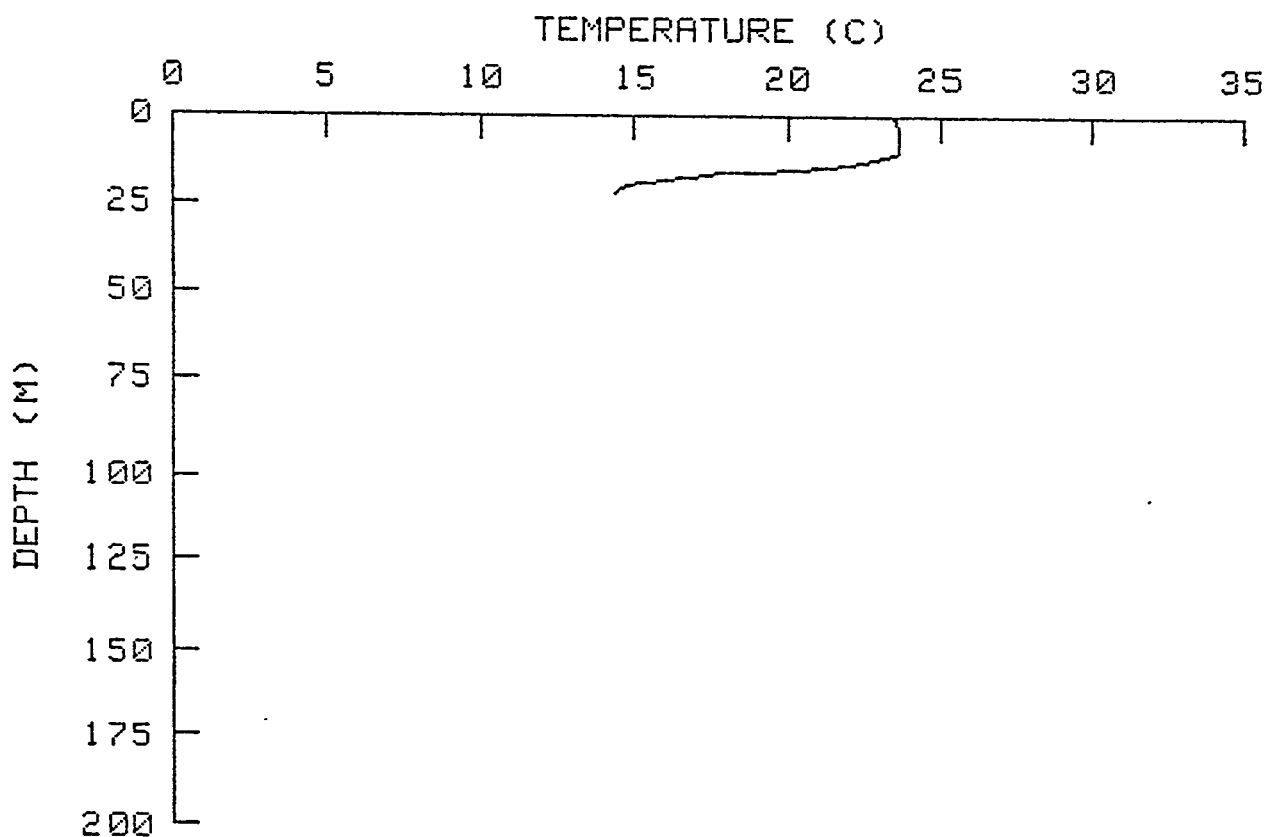
	0	1	2	3	4	5	6	7	8	9
0	-	-	24.25	24.26	24.26	24.26	24.25	24.20	24.16	24.10
10	24.02	23.80	23.09	23.03	22.36	18.95	14.55	11.17	9.70	8.76
20	8.39	8.29	8.20	8.10	8.01	7.94	7.88	7.81	7.77	7.73
30	7.64	7.64	7.63	7.63	7.63	7.62	7.62	7.62	7.62	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 122X DATE 07 SEPT 80 TIME 1825 LAT 38-18.0N LON 74-26.6W DEPTH(M) 30 SST(C) 24.6



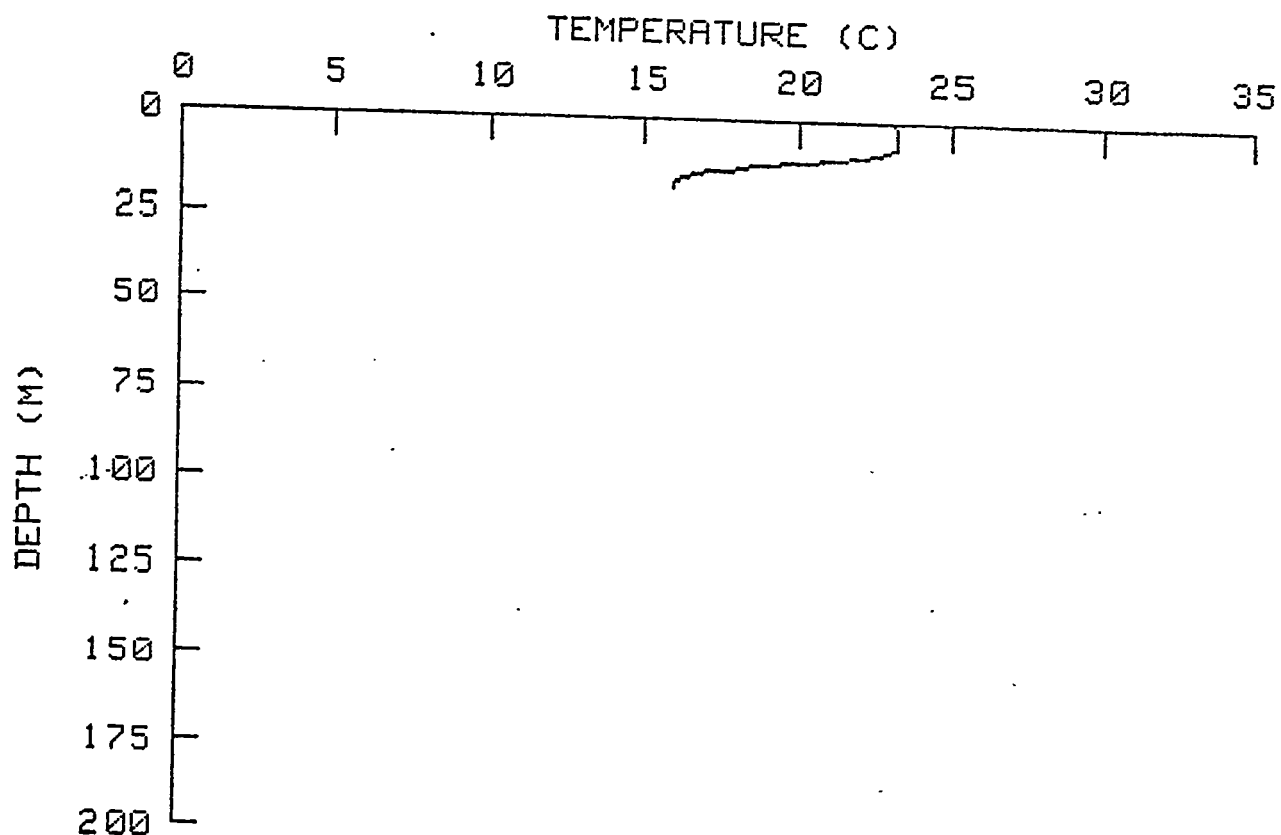
	0	1	2	3	4	5	6	7	8	9
0	-	-	24.09	24.10	24.11	24.11	24.12	24.13	24.13	24.13
10	24.11	24.06	24.00	23.63	23.00	22.32	21.47	19.99	18.59	16.46
20	12.77	11.05	10.21	9.47	8.73	8.51	8.47	8.44	8.41	8.39
30	8.37	8.37	8.37	8.36	8.36	8.35	8.35	8.34	8.34	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 123X DATE 07 SEPT 80 TIME 2044 LAT 38-34.4N LON 74-43.2W DEPTH(M) 23 SST(C) 23.8



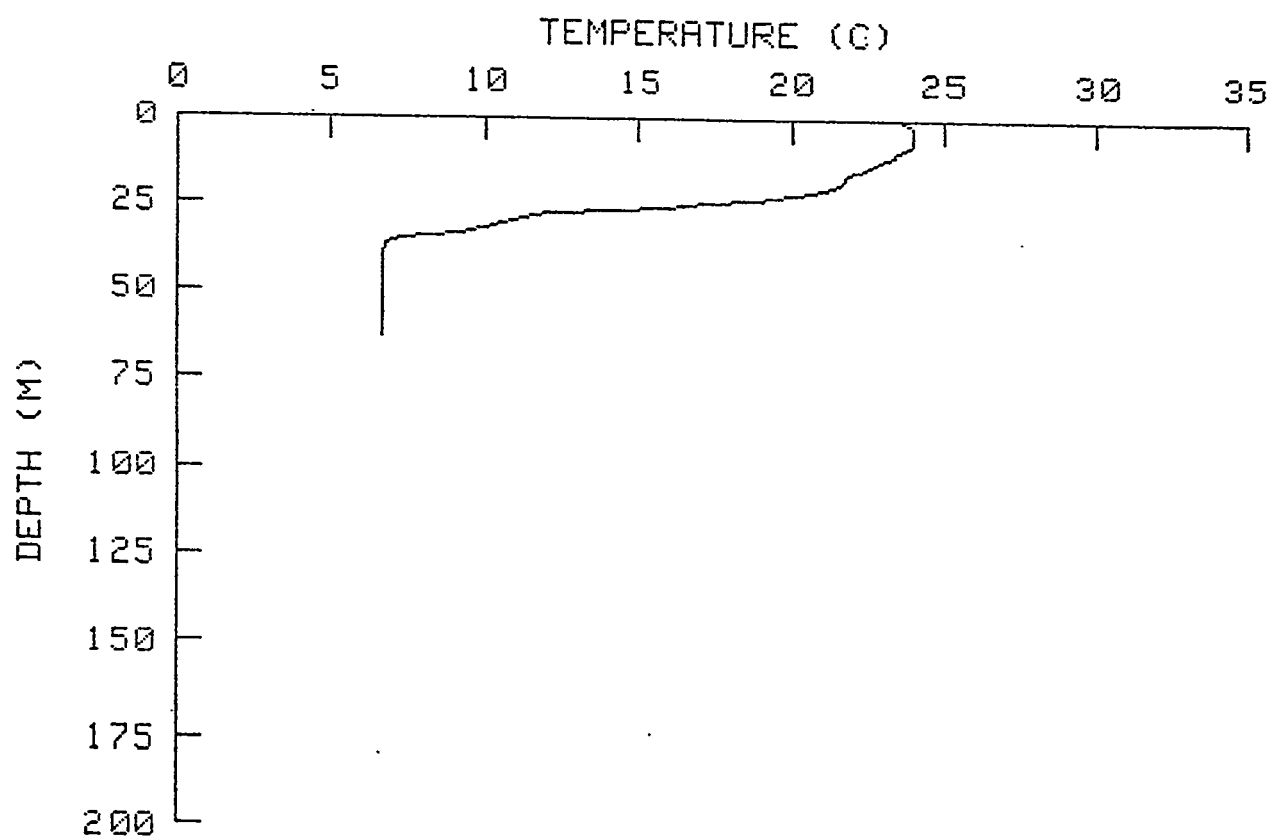
	0	1	2	3	4	5	6	7	8	9
0	-	-	23.57	23.58	23.59	23.60	23.60	23.60	23.60	23.59
10	23.59	23.55	23.25	22.90	22.10	20.97	19.36	17.58	16.62	16.13
20	14.76	14.56	14.45	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 124X DATE 07 SEPT 80 TIME 2123 LAT 38-36.8N LON 74-45.2W DEPTH(M) 19 SST(C) 23.5



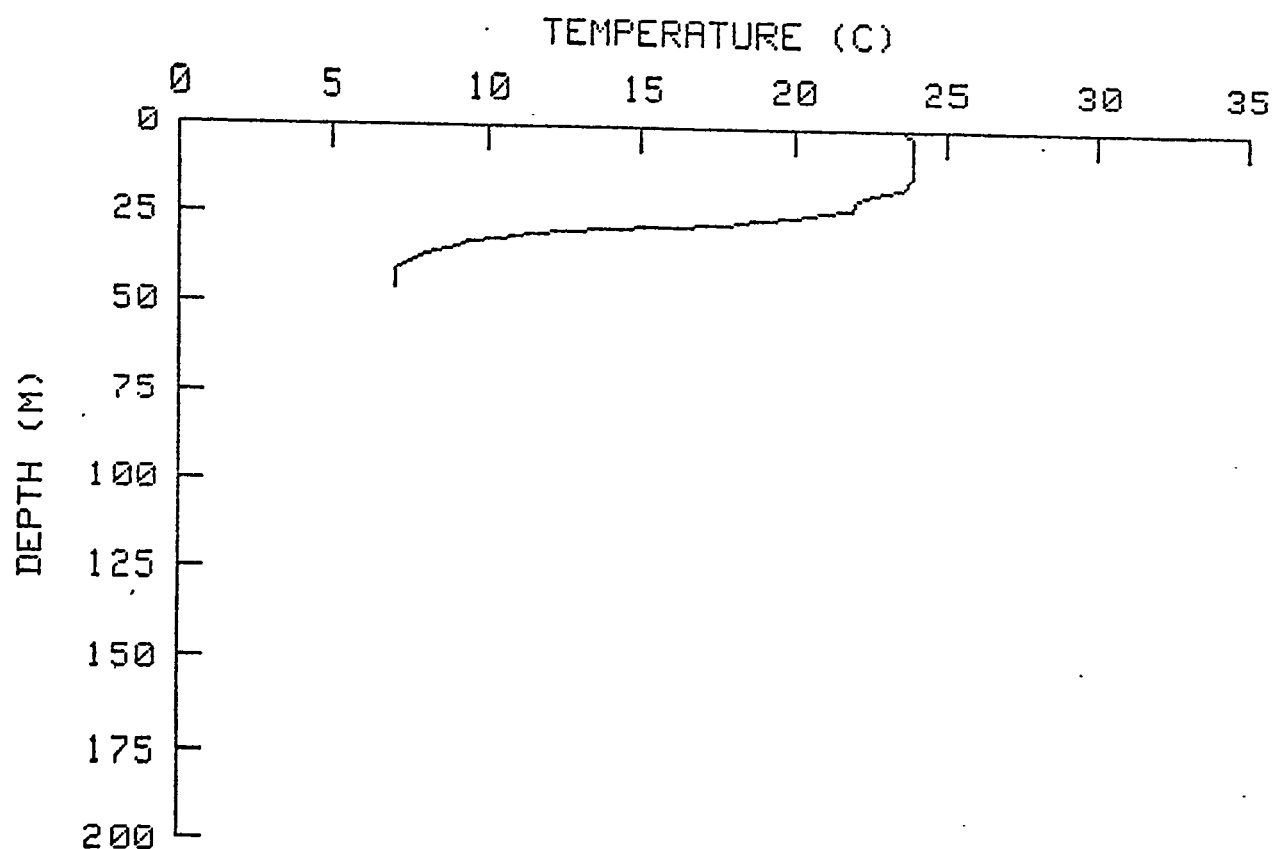
	0	1	2	3	4	5	6	7	8	9
0	-	23.12	23.18	23.20	23.20	23.20	23.20	23.20	23.10	22.54
10	21.90	20.86	18.87	18.03	17.04	16.24	16.03	15.98	-	-
20	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 125X DATE 00 SEPT 80 TIME 0324 LAT 30-20.0N LON 74-58.8W DEPTH(M) 66 SST(C) 23.8



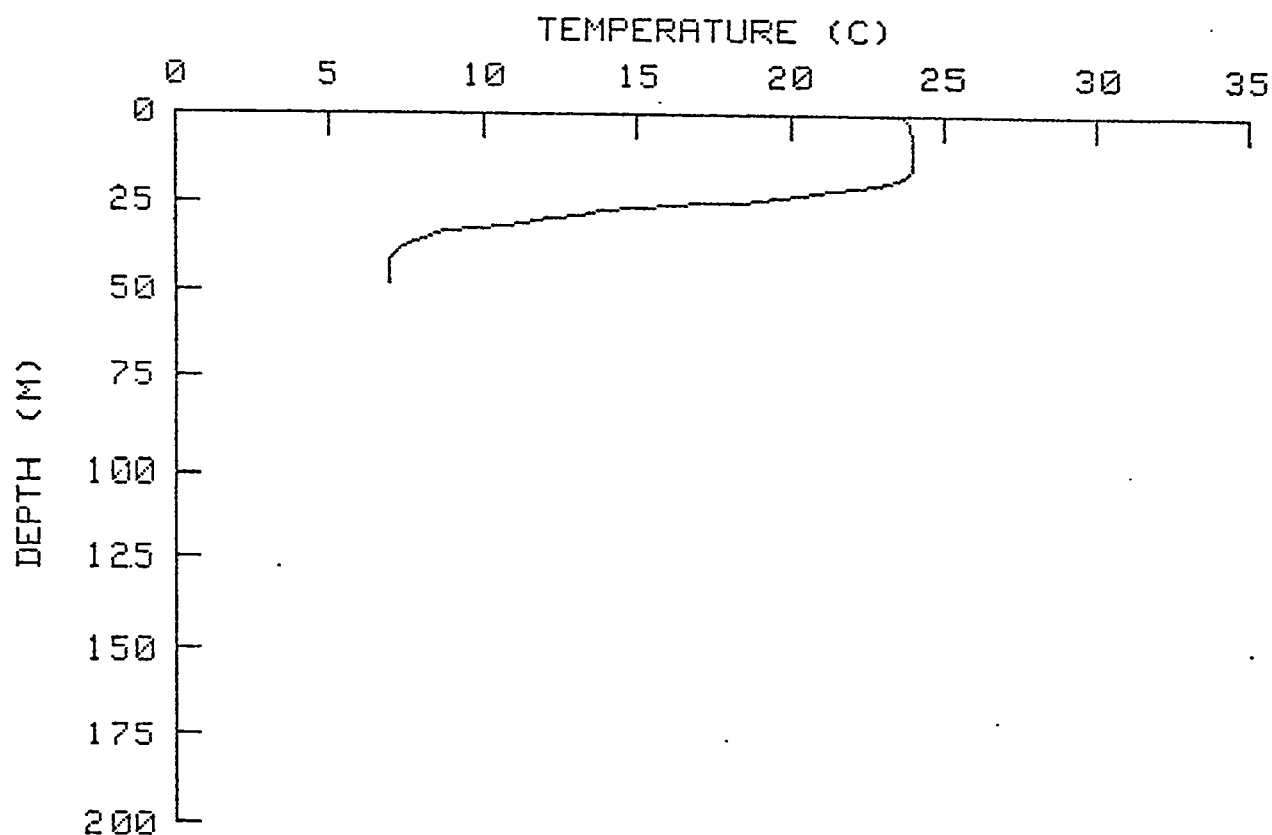
	0	1	2	3	4	5	6	7	8	9
0	-	23.70	23.94	23.98	23.97	23.97	23.97	23.97	23.92	23.67
10	23.43	23.37	23.13	22.90	22.67	22.39	22.01	21.77	21.70	21.54
20	21.28	20.88	20.36	19.58	18.14	16.65	15.37	13.15	11.81	11.17
30	10.64	10.43	9.94	9.33	8.15	7.21	6.79	6.75	6.72	6.68
40	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
50	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
60	6.67	6.67	6.67	6.67	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 126X DATE 08 SEPT 80 TIME 0450 LAT 30-24.5N LON 73-52.7W DEPTH(M) 66 SST(C) 24.0



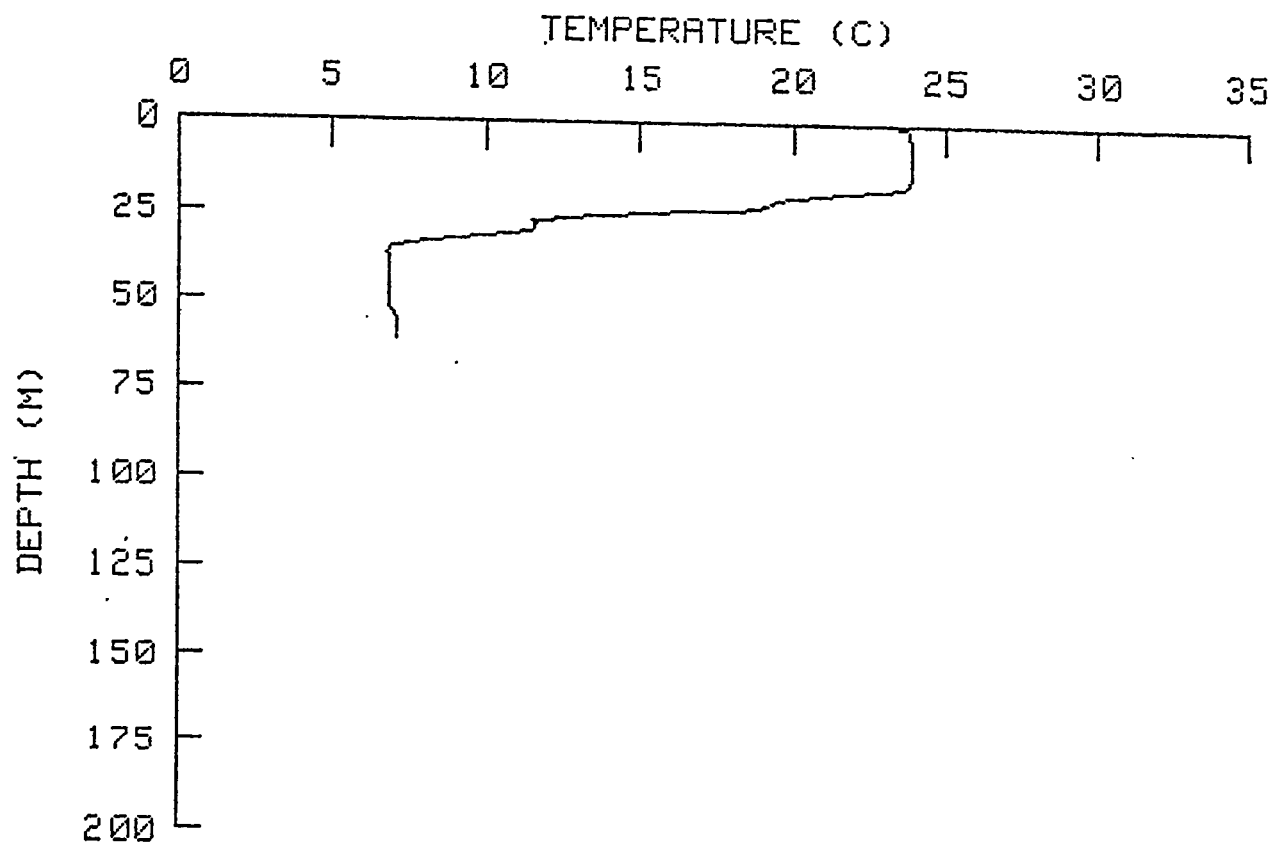
	0	1	2	3	4	5	6	7	8	9
0	-	23.65	23.81	23.90	23.90	23.90	23.90	23.91	23.91	23.91
10	23.92	23.92	23.92	23.93	23.89	23.80	23.76	23.52	23.02	22.51
20	22.09	22.03	21.97	21.82	21.13	20.17	18.82	17.89	16.33	14.04
30	12.21	11.23	10.14	9.30	9.03	8.64	8.22	7.86	7.59	7.31
40	7.11	7.07	7.06	7.04	7.03	7.01	7.00	7.00	7.00	7.00
50	7.00	7.00	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01
60	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 127X DATE 00 SEPT 80 TIME 0530 LAT 38-27.9N LON 73-46.2W DEPTH(M) 66 SST(C) 24.0



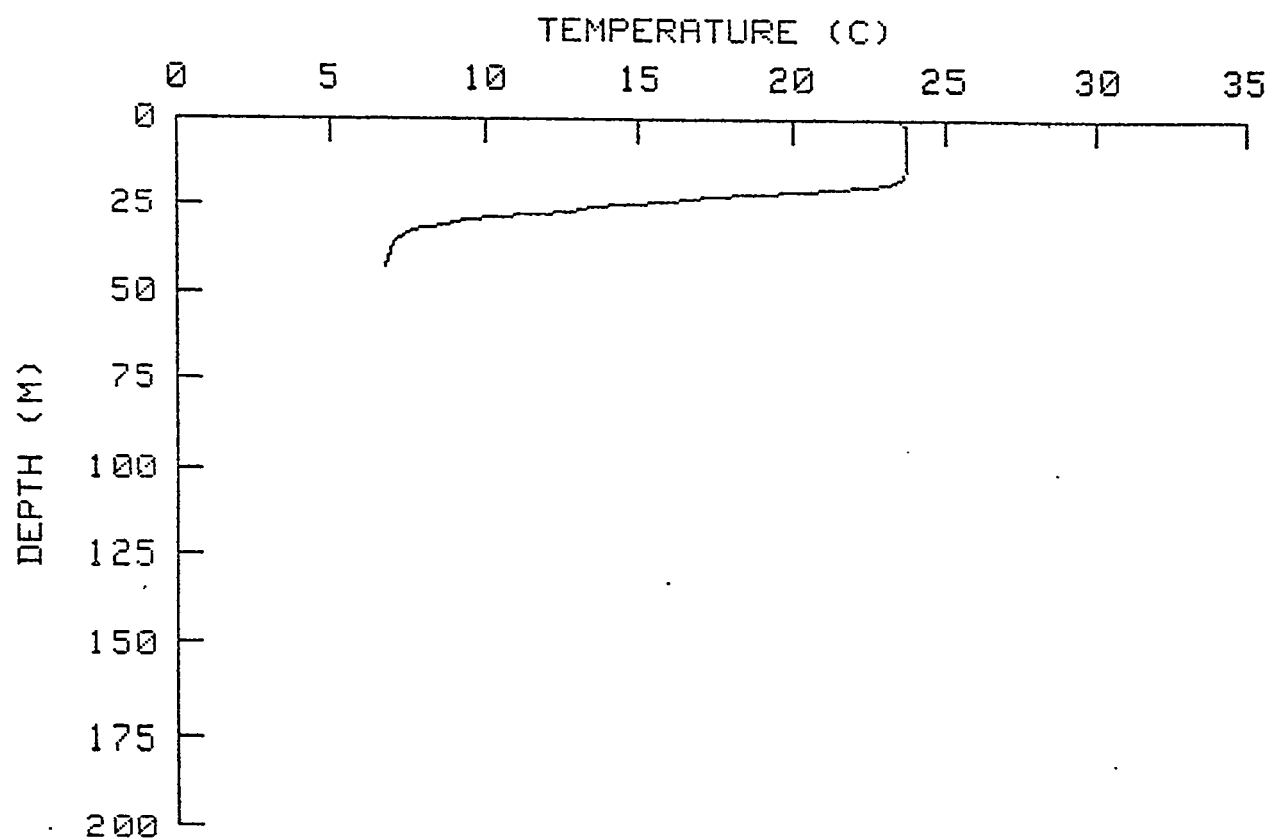
	0	1	2	3	4	5	6	7	8	9
0	-	-	23.85	23.93	23.94	23.95	23.95	23.96	23.97	23.97
10	23.97	23.97	23.97	23.97	23.97	23.97	23.92	23.81	23.71	23.48
20	22.73	21.80	21.08	20.37	19.23	18.31	16.51	15.00	13.67	13.06
30	12.06	11.21	10.31	9.33	8.45	8.18	7.97	7.60	7.35	7.21
40	7.07	6.99	6.98	6.98	6.98	6.98	6.98	6.98	6.98	6.98
50	6.98	6.98	6.98	6.98	6.98	6.98	6.98	6.98	6.98	6.98
60	6.98	6.98	6.98	6.98	6.98	6.98	6.98	6.98	6.98	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 128X DATE 00 SEPT 80 TIME 0613 LAT 30-33.5N LON 73-41.1W DEPTH(M) 64 SST(C) 24.1



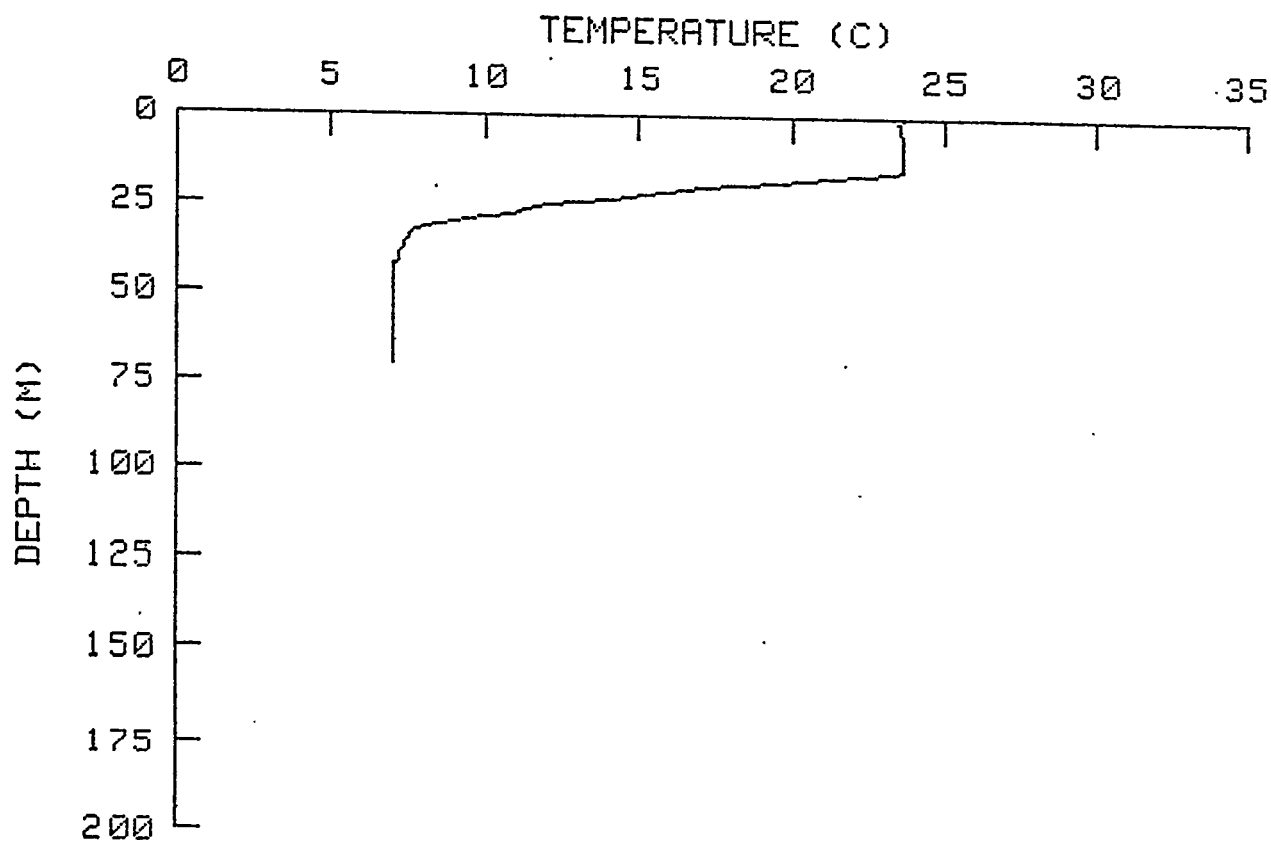
	0	1	2	3	4	5	6	7	8	9
0	-	23.48	23.78	23.85	23.85	23.85	23.85	23.85	23.85	23.85
10	23.85	23.85	23.85	23.85	23.86	23.86	23.82	23.76	23.68	22.34
20	21.09	20.12	19.47	19.15	18.30	15.89	13.45	11.96	11.54	11.62
30	11.46	11.04	9.90	8.49	7.45	6.97	6.86	6.81	6.84	6.85
40	6.85	6.85	6.85	6.85	6.85	6.85	6.85	6.86	6.86	6.86
50	6.86	6.86	6.86	6.91	6.99	7.06	7.09	7.09	7.09	7.09
60	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 129X 00 SEPT 80 0745 38-41.0N 73-35.3W 62 24.0



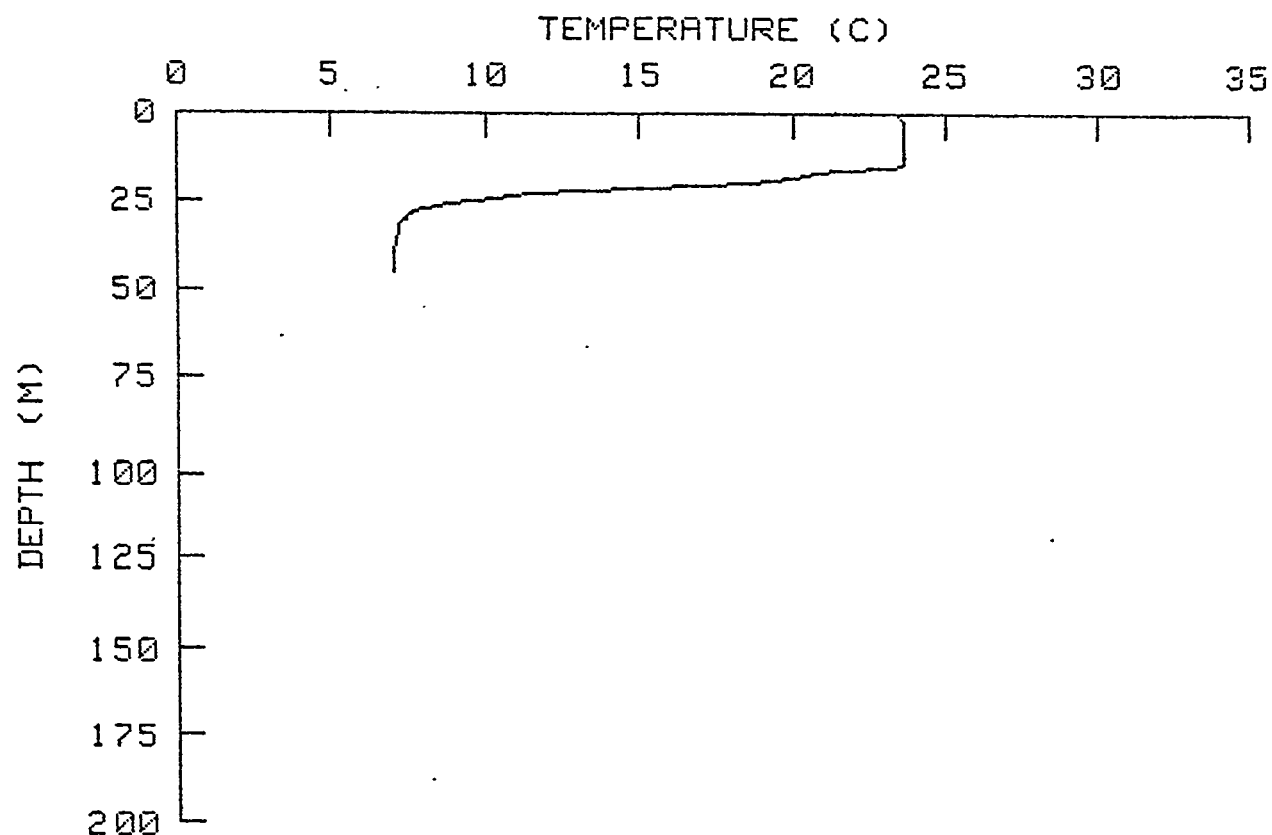
	0	1	2	3	4	5	6	7	8	9
0	-	-	23.74	23.74	23.74	23.74	23.74	23.74	23.74	23.74
10	23.74	23.74	23.74	23.74	23.74	23.74	23.69	23.62	23.50	23.15
20	22.44	21.14	19.61	17.55	16.40	14.74	13.76	12.93	11.38	10.15
30	9.18	8.81	8.19	7.53	7.38	7.20	7.05	6.99	6.95	6.92
40	6.88	6.85	6.81	6.79	6.79	6.79	6.79	6.79	6.79	6.79
50	6.78	6.78	6.78	6.78	6.78	6.78	6.78	6.78	6.78	6.78
60	6.78	6.78	6.78	6.78	6.78	6.78	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 130X DATE 08 SEPT 80 TIME 0830 LAT 38-47.5N LON 73-30.2W DEPTH(M) 70 SST(C) 23.8



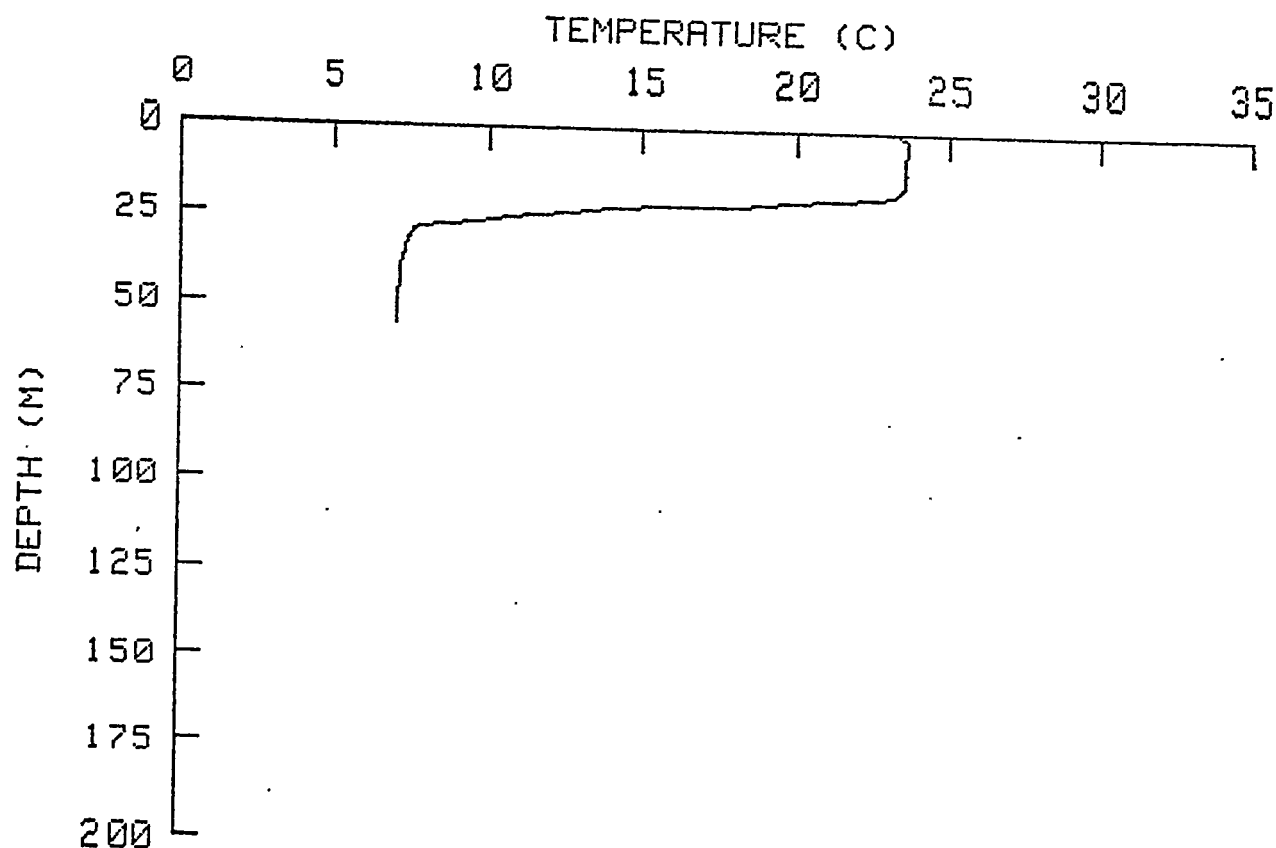
	0	1	2	3	4	5	6	7	8	9
0	-	23.66	23.52	23.58	23.58	23.59	23.60	23.61	23.62	23.61
10	23.61	23.61	23.61	23.61	23.61	23.61	23.19	21.94	20.38	18.56
20	16.96	16.35	15.62	14.69	13.58	12.58	11.79	11.33	11.05	10.21
30	9.15	8.46	8.07	7.73	7.59	7.51	7.43	7.39	7.35	7.22
40	7.22	7.22	7.12	7.05	7.04	7.03	7.03	7.03	7.03	7.03
50	7.02	7.02	7.02	7.02	7.02	7.02	7.01	7.01	7.01	7.01
60	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01
70	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01
80	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 131X 00 SEPT 80 0915 38-54.1N 73-24.9W 62 23.8



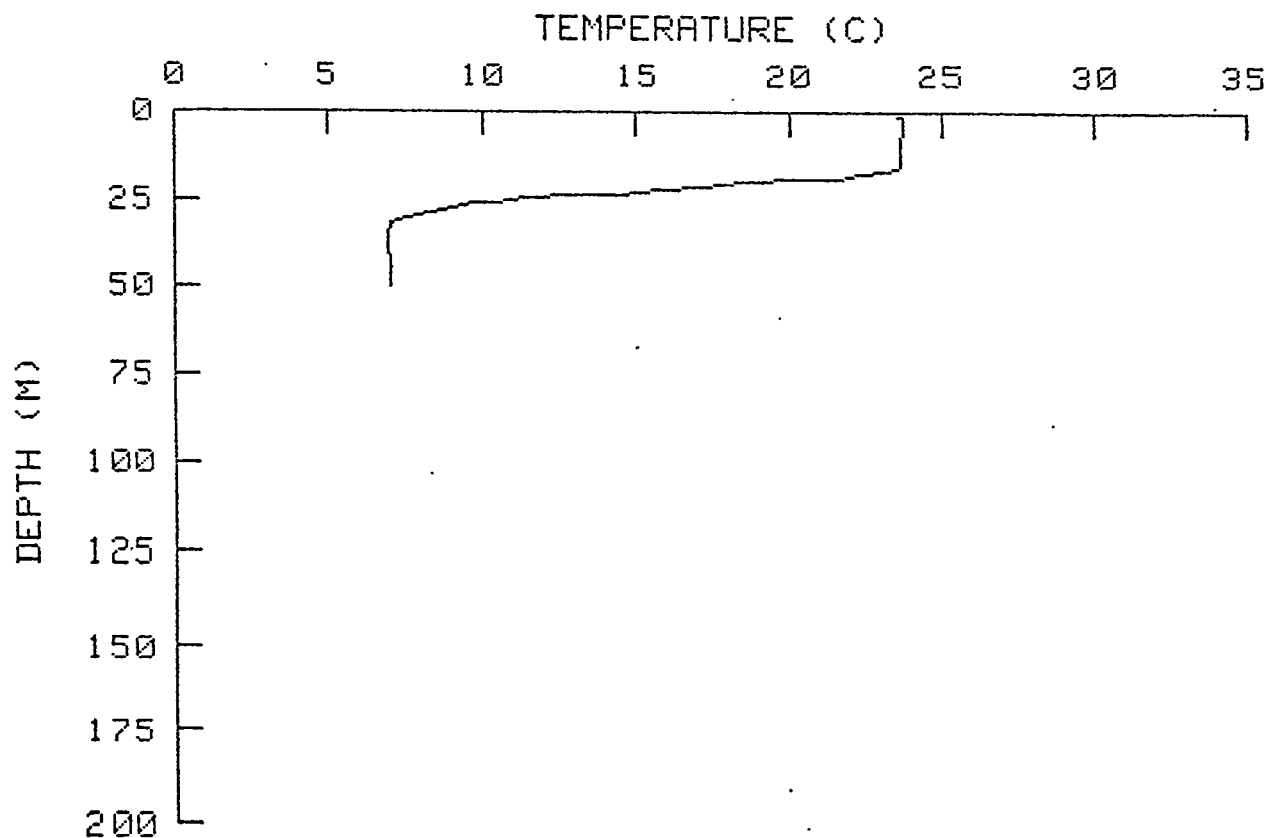
	0	1	2	3	4	5	6	7	8	9
0	-	-	23.58	23.60	23.61	23.61	23.61	23.61	23.61	23.61
10	23.61	23.61	23.62	23.62	23.62	23.53	22.80	21.17	20.56	19.80
20	18.91	17.13	14.28	11.83	10.52	9.77	9.01	8.34	7.78	7.58
30	7.48	7.35	7.22	7.20	7.17	7.18	7.09	7.07	7.06	7.05
40	7.04	7.03	7.03	7.02	7.02	7.01	7.01	7.01	7.01	7.02
50	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.03
60	7.03	7.03	7.03	7.03	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 132X DATE 08 SEPT 80 TIME 1200 LAT 39-01.5N LON 73-20.2W DEPTH(M) 66 SST(C) 24.2



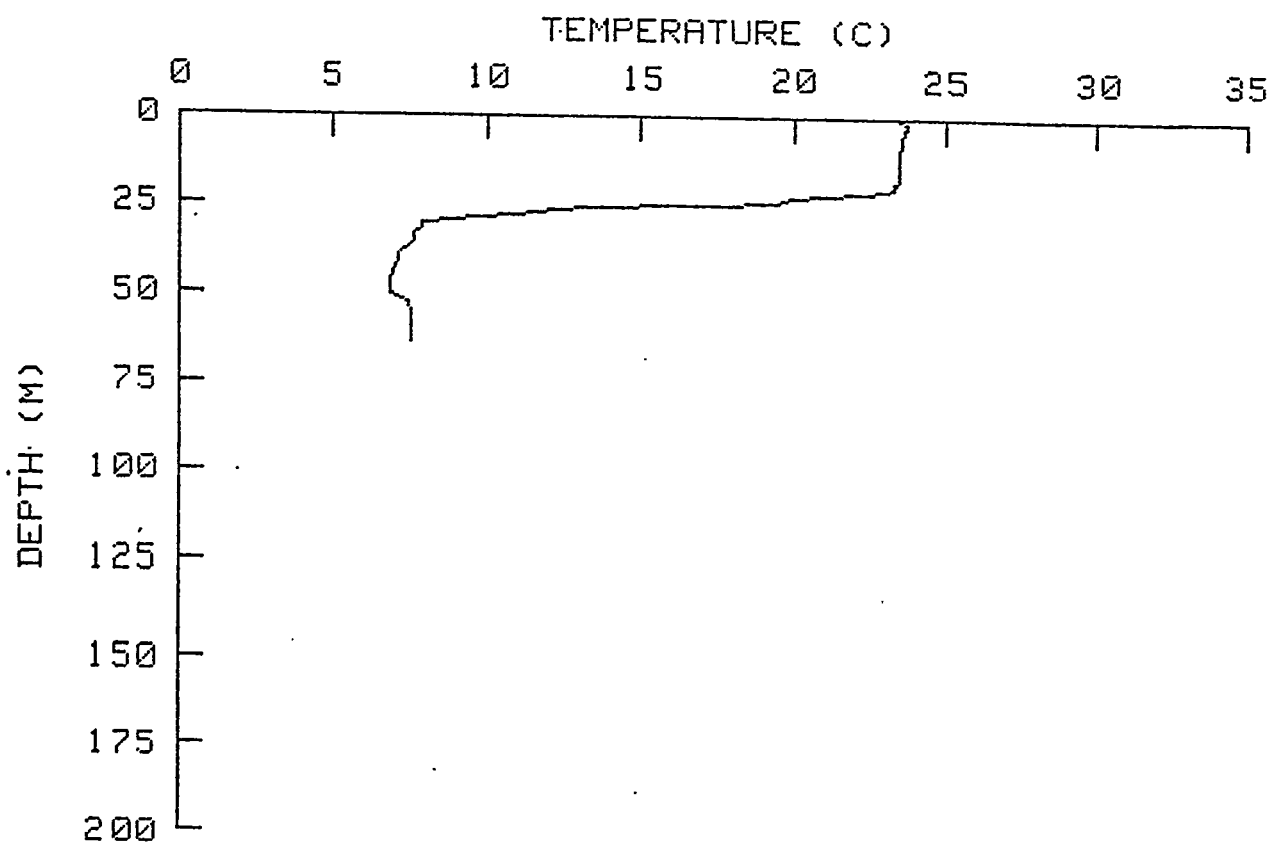
	0	1	2	3	4	5	6	7	8	9
0	-	-	23.60	23.63	23.63	23.63	23.63	23.61	23.60	23.58
10	23.58	23.58	23.58	23.58	23.58	23.58	23.51	23.45	23.29	22.92
20	21.92	20.20	18.31	15.01	13.07	11.85	10.81	10.05	8.60	7.92
30	7.56	7.50	7.41	7.37	7.31	7.31	7.28	7.23	7.18	7.17
40	7.15	7.15	7.15	7.15	7.15	7.15	7.11	7.05	7.02	7.01
50	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01	7.01
60	7.01	7.01	7.01	7.01	7.01	7.01	7.01	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 133X DATE 08 SEPT 80 TIME 1300 LAT 39-10.7N LON 73-14.4W DEPTH(M) 61 SST(C) 24.2



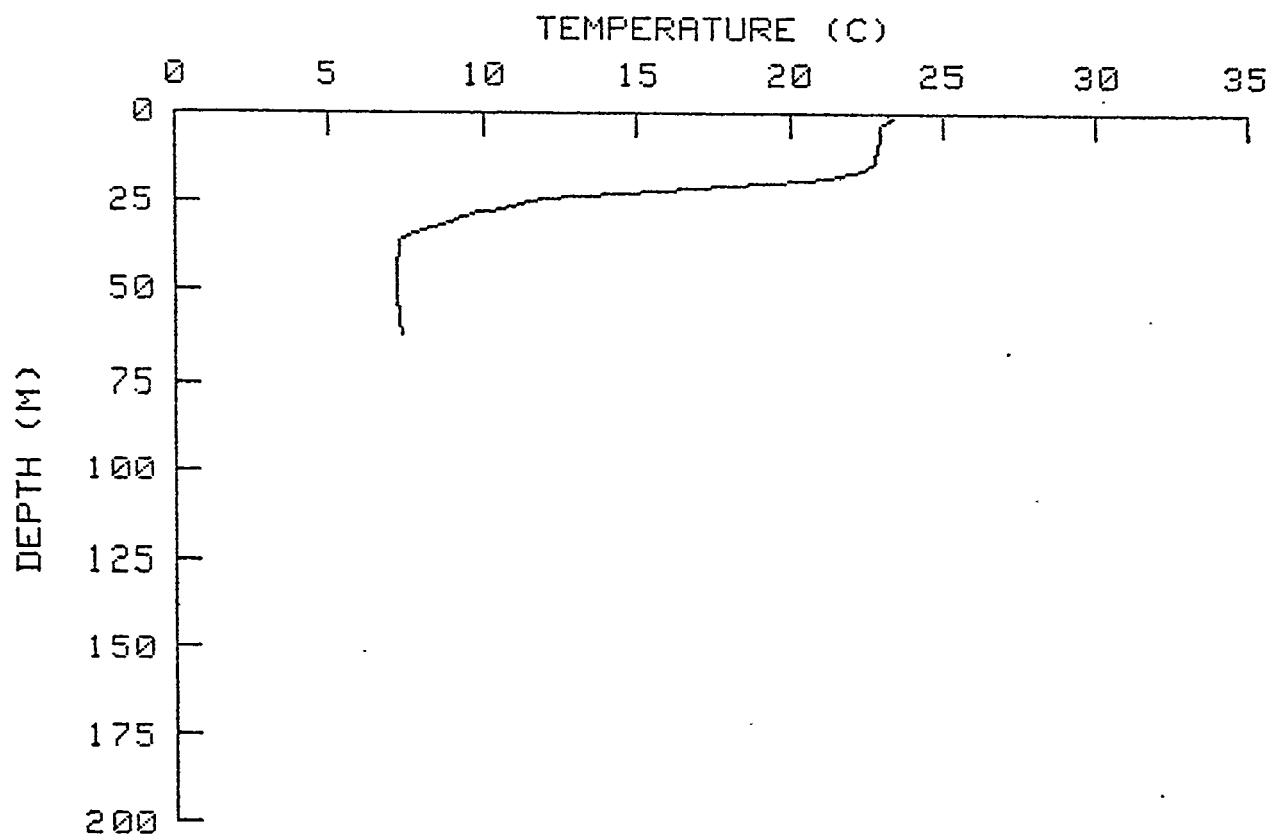
	0	1	2	3	4	5	6	7	8	9
0	-	-	23.75	23.75	23.75	23.68	23.68	23.67	23.65	23.64
10	23.64	23.65	23.65	23.65	23.65	23.65	23.60	23.30	22.59	21.61
20	19.46	17.73	16.46	15.14	13.13	11.14	9.85	9.15	8.63	8.36
30	7.91	7.23	7.04	7.01	6.99	6.99	6.99	6.99	6.99	7.00
40	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
50	7.00	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 134X DATE 09 SEPT 80 TIME 1401 LAT 39-20.1N LON 73-00.0W DEPTH(M) 64 SST(C) 24.3



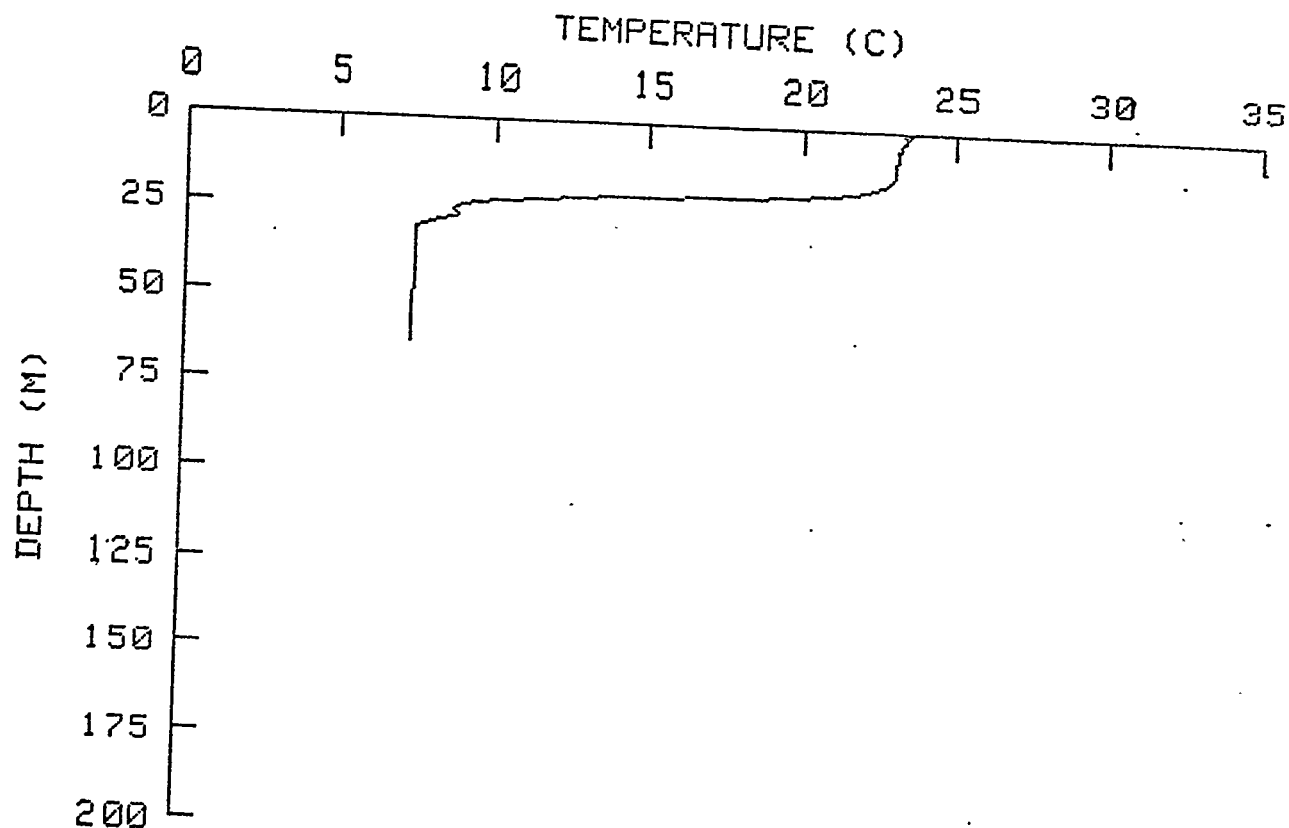
	0	1	2	3	4	5	6	7	8	9
0	-	-	23.69	23.69	23.63	23.60	23.57	23.56	23.55	23.52
10	23.49	23.49	23.49	23.49	23.49	23.49	23.49	23.49	23.49	23.25
20	23.25	22.79	21.34	20.18	19.74	17.56	14.26	12.16	10.94	9.40
30	8.24	7.90	7.81	7.69	7.63	7.61	7.61	7.43	7.25	7.19
40	7.16	7.15	7.11	7.02	6.96	6.93	6.91	6.91	6.91	6.91
50	6.91	7.16	7.38	7.48	7.49	7.50	7.51	7.51	7.51	7.51
60	7.51	7.51	7.51	7.51	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 135X DATE 00 SEPT 80 TIME 1501 LAT 39-29.8N LON 73-02.1W DEPTH(M) 69 SST(C) 23.6



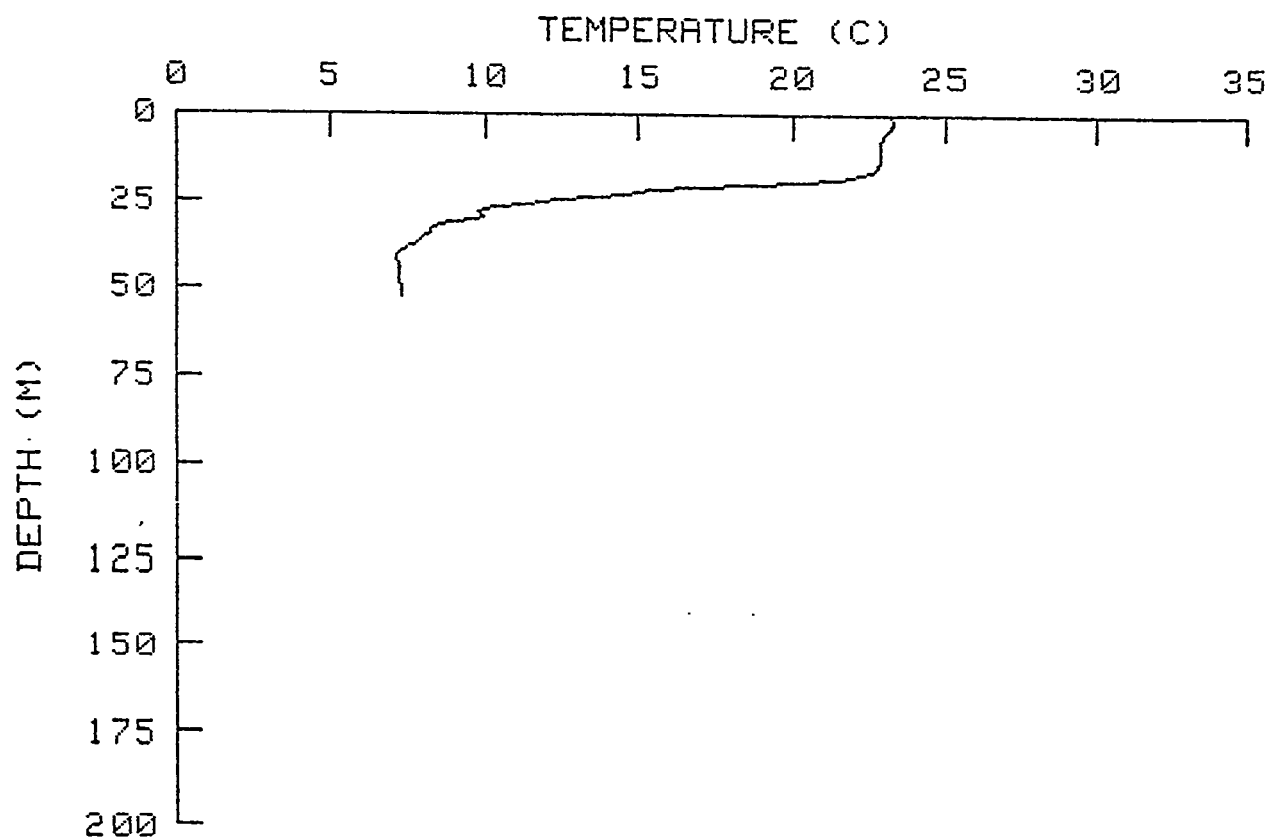
	0	1	2	3	4	5	6	7	8	9
0	-	-	23.32	23.12	23.00	22.98	22.94	22.93	22.91	22.86
10	22.85	22.85	22.83	22.81	22.74	22.64	22.42	22.19	21.60	20.53
20	19.62	17.77	16.36	14.52	12.57	11.60	11.18	10.71	10.12	9.59
30	9.21	8.95	8.62	8.24	7.92	7.62	7.37	7.30	7.30	7.30
40	7.28	7.27	7.26	7.24	7.25	7.25	7.25	7.25	7.25	7.25
50	7.25	7.25	7.25	7.25	7.25	7.26	7.28	7.29	7.30	7.31
60	7.31	7.33	7.35	7.36	7.36	7.36	7.36	7.36	7.36	7.36
70	7.36	7.36	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 136X DATE 08 SEPT 80 TIME 1550 LAT 39-37.8N LON 72-56.7W DEPTH(M) 64 SST(C) 23.8



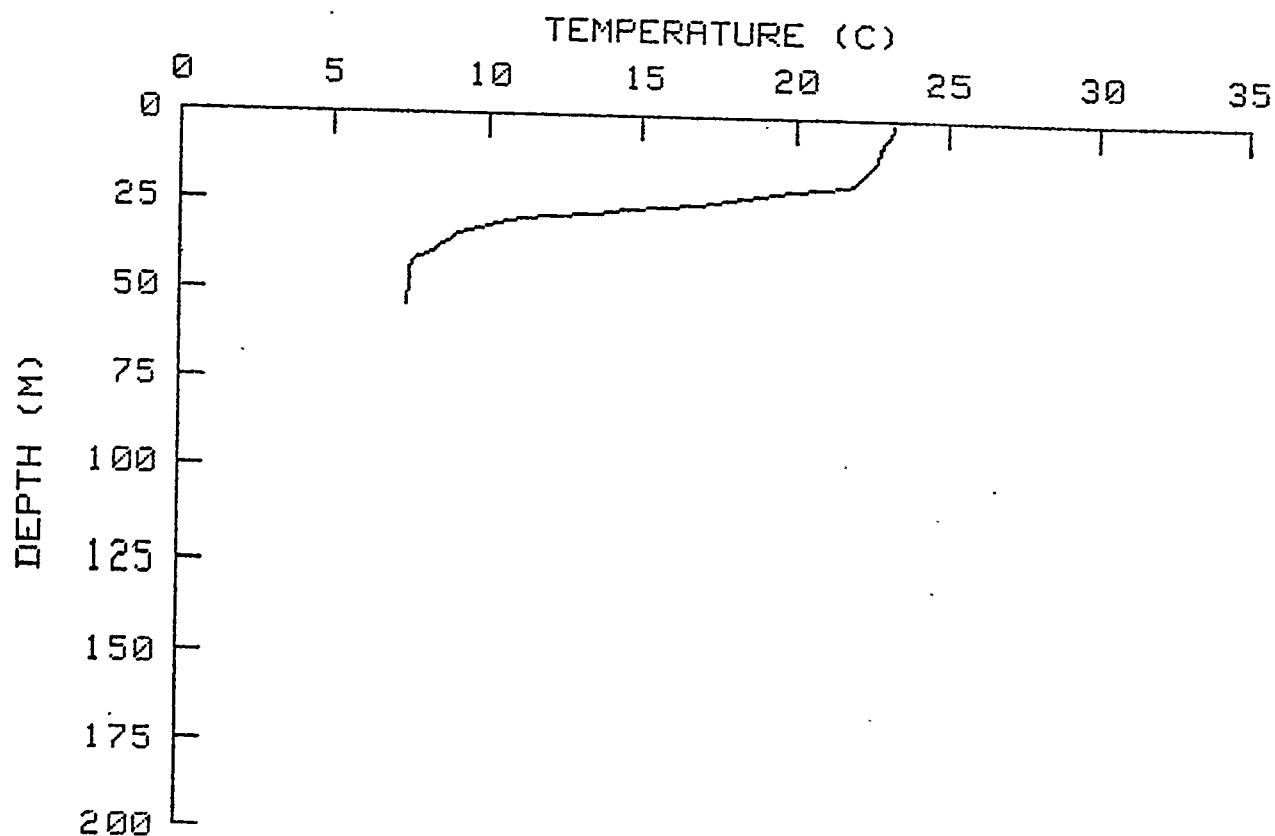
	0	1	2	3	4	5	6	7	8	9
0	-	23.34	23.50	23.40	23.24	23.24	23.16	23.16	23.16	23.13
10	23.07	23.06	23.06	23.01	22.86	22.75	22.48	22.09	21.65	20.45
20	18.44	14.83	12.34	10.58	9.51	8.89	8.65	8.77	8.78	8.39
30	7.95	7.56	7.46	7.44	7.43	7.42	7.42	7.42	7.42	7.42
40	7.42	7.42	7.42	7.42	7.41	7.41	7.41	7.41	7.41	7.41
50	7.41	7.41	7.41	7.41	7.40	7.40	7.40	7.40	7.40	7.40
60	7.40	7.40	7.40	7.40	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 137X DATE 08 SEPT 80 TIME 1833 LAT 39-44.7N LON 72-52.0W DEPTH(M) 64 SST(C) 23.6



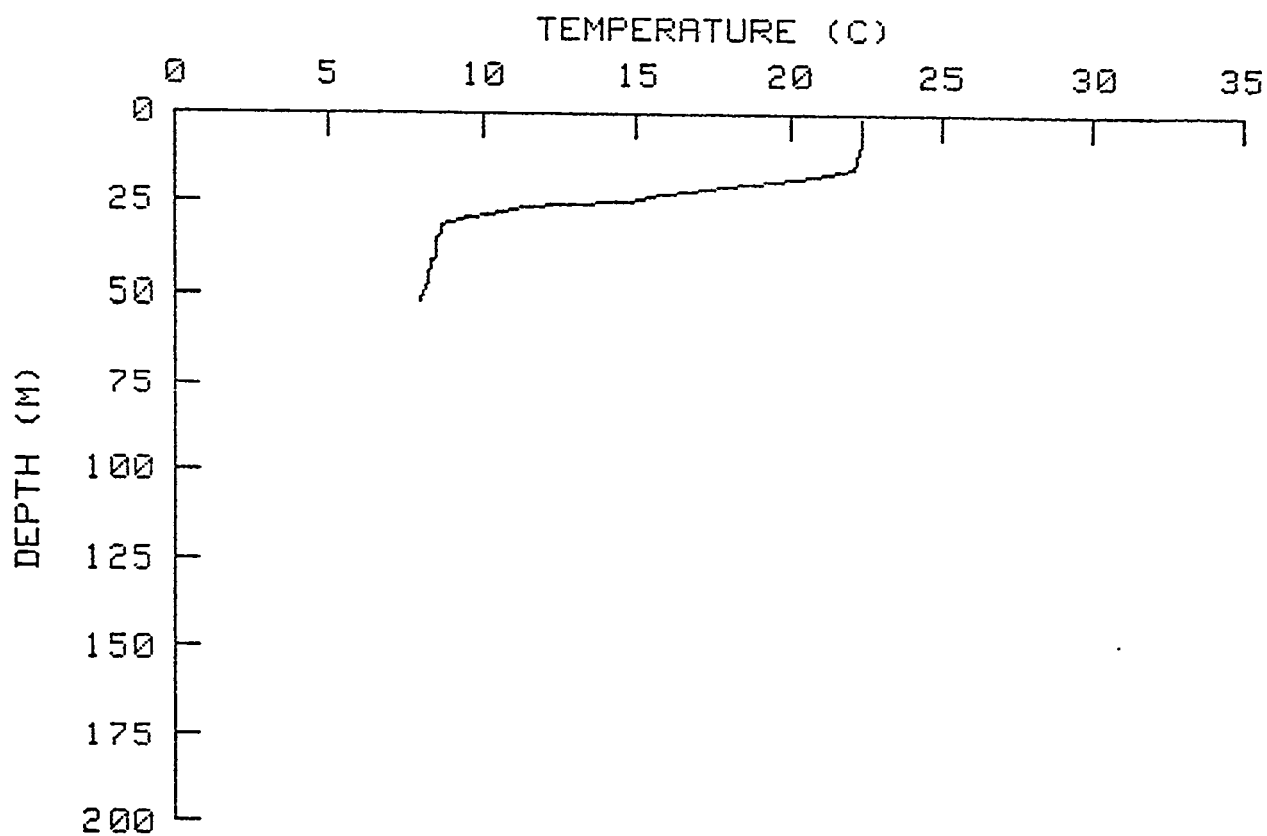
	0	1	2	3	4	5	6	7	8	9
0	-	-	23.29	23.28	23.16	23.03	22.98	22.95	22.92	22.89
10	22.88	22.88	22.88	22.88	22.84	22.77	22.70	22.47	21.92	20.95
20	19.25	16.92	15.40	14.60	13.25	12.22	11.51	10.34	9.81	9.87
30	9.79	9.26	8.46	8.26	8.20	8.11	7.98	7.80	7.58	7.27
40	7.18	7.13	7.12	7.20	7.20	7.20	7.20	7.21	7.22	7.23
50	7.23	7.24	7.25	7.26	7.26	7.26	7.27	7.27	7.27	7.28
60	7.28	7.28	7.29	7.29	7.29	7.30	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 138X DATE 08 SEPT 80 TIME 1828 LAT 39-49.7N LON 72-46.3W DEPTH(M) 59 SST(C) 23.4



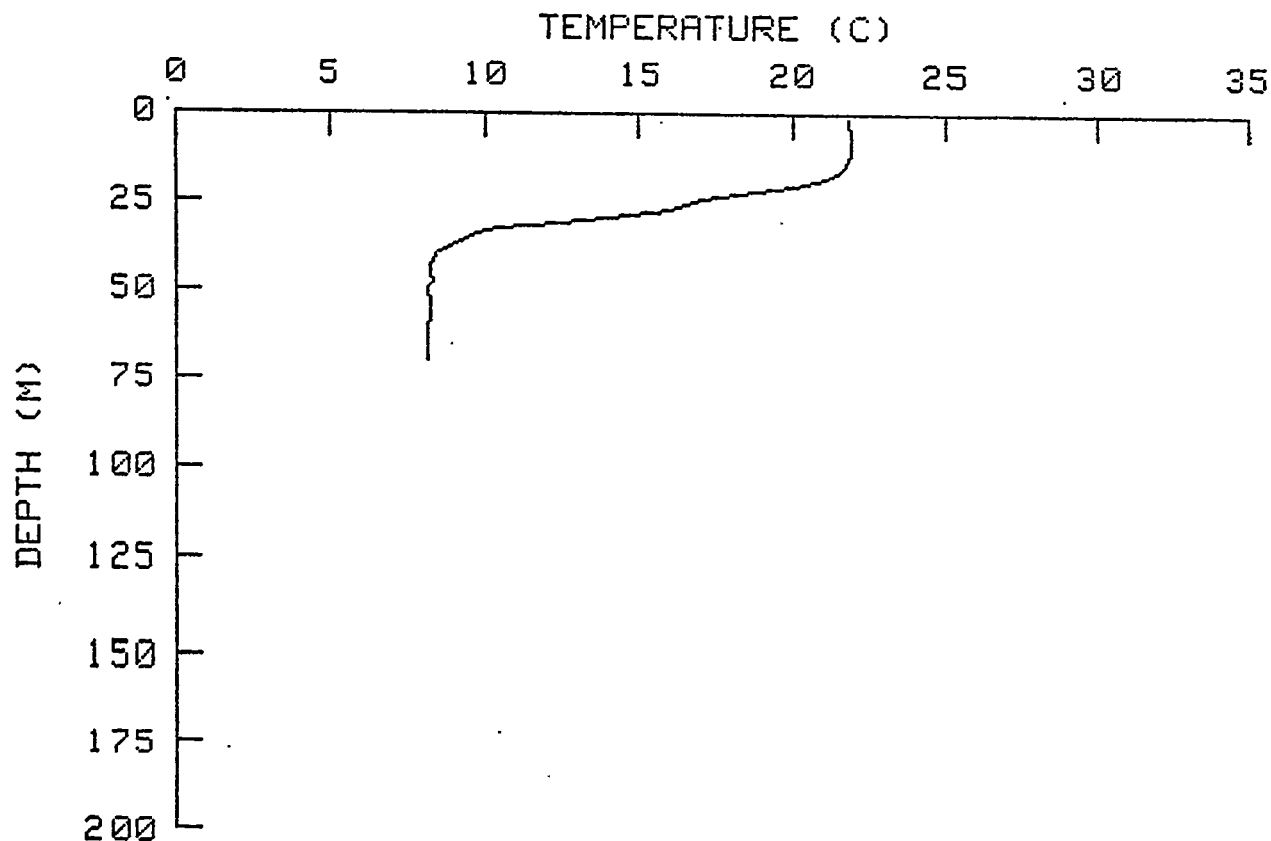
	0	1	2	3	4	5	6	7	8	9
0	-	-	23.18	23.18	23.13	23.07	22.96	22.88	22.84	22.81
10	22.77	22.74	22.71	22.62	22.52	22.41	22.30	22.18	22.00	21.76
20	20.99	19.95	19.17	18.44	17.75	16.96	15.55	14.23	13.36	12.05
30	10.82	10.28	9.85	9.36	8.97	8.86	8.72	8.57	8.42	8.25
40	8.03	7.67	7.59	7.50	7.48	7.47	7.47	7.47	7.47	7.45
50	7.43	7.42	7.40	7.38	7.37	7.39	7.40	7.41	7.42	7.43
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 139X 00 SEPT 80 2000 39-59.7N 72-30.7W 66 22.7



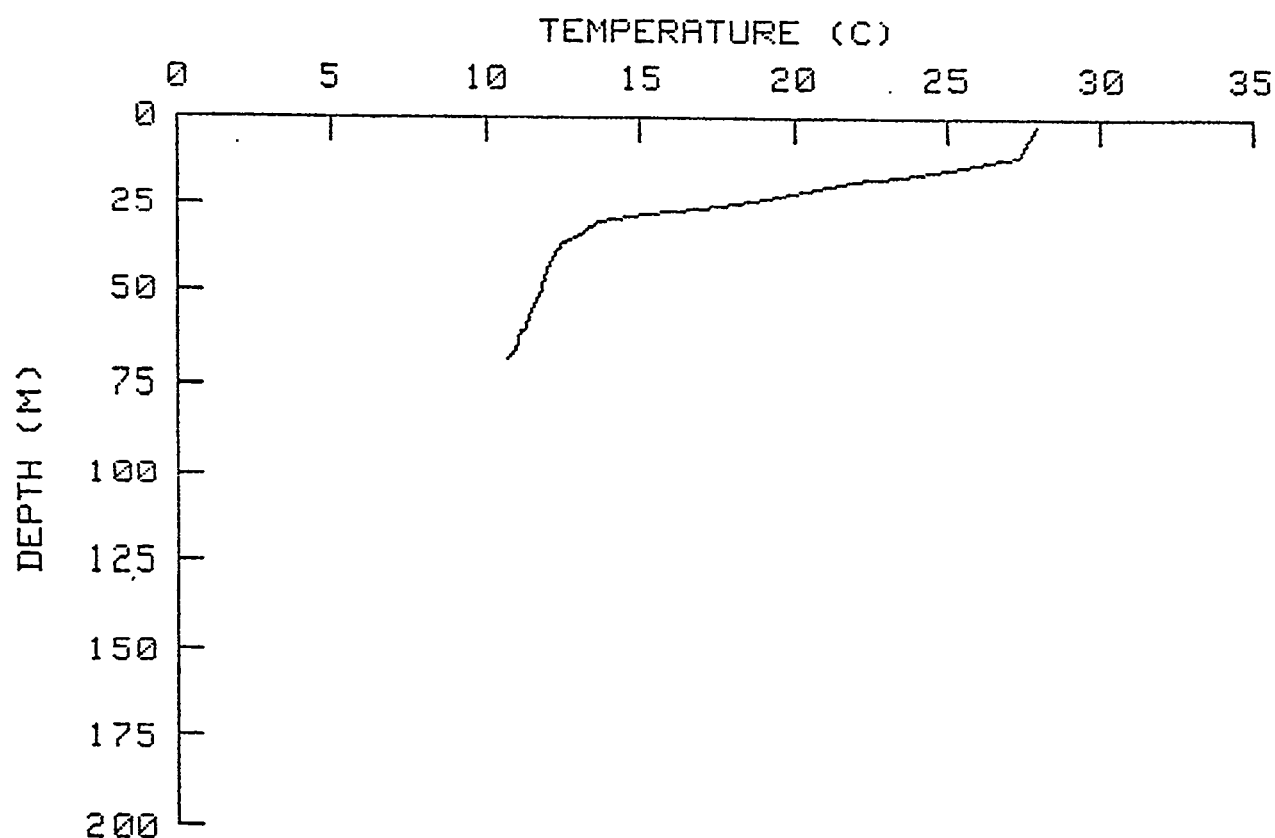
	0	1	2	3	4	5	6	7	8	9
0	-	-	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.36
10	22.31	22.27	22.23	22.19	22.15	22.11	21.86	21.26	20.46	19.56
20	18.77	17.79	17.04	16.27	15.43	14.86	12.62	11.48	10.71	10.02
30	9.47	9.08	8.68	8.66	8.66	8.59	8.53	8.53	8.53	8.53
40	8.53	8.40	8.33	8.30	8.28	8.26	8.23	8.20	8.16	8.12
50	8.08	8.03	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.02
60	8.02	8.02	8.02	8.02	8.02	8.02	8.02	8.03	8.03	8.03
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 140X DATE 00 SEPT 80 TIME 2100 LAT 40-06.4N LON 72-20.0W DEPTH(M) 72 SST(C) 22.2



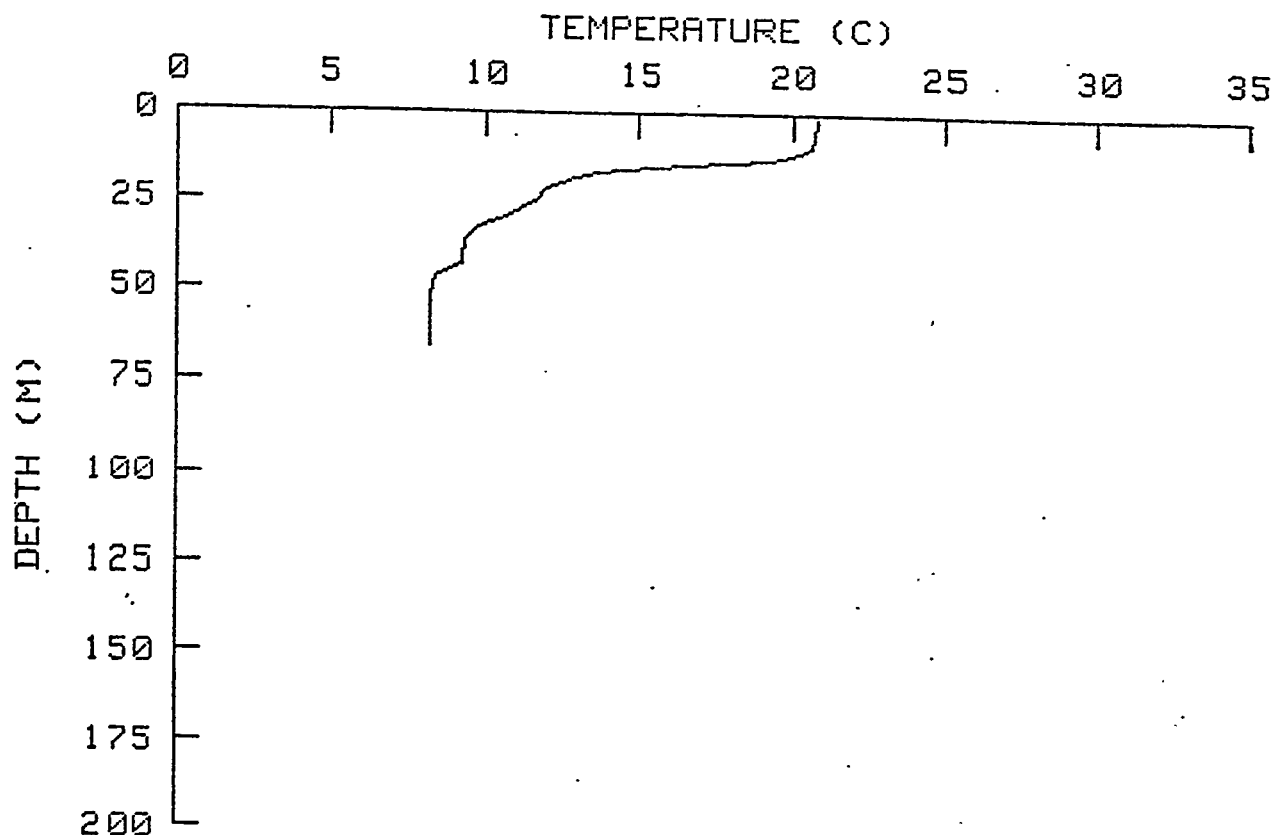
	0	1	2	3	4	5	6	7	8	9
0	-	-	21.86	21.87	21.88	21.89	21.90	21.91	21.92	21.92
10	21.92	21.92	21.88	21.84	21.77	21.69	21.59	21.42	21.22	20.96
20	20.59	20.09	19.07	18.06	17.34	16.87	16.57	16.21	15.60	14.75
30	13.47	12.18	10.96	10.17	9.73	9.47	9.24	9.02	8.80	8.58
40	8.43	8.38	8.32	8.27	8.25	8.25	8.25	8.29	8.35	8.23
50	8.19	8.19	8.19	8.19	8.19	8.20	8.19	8.18	8.17	8.16
60	8.15	8.15	8.14	8.13	8.12	8.12	8.13	8.13	8.13	8.13
70	8.13	8.10	8.07	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 141X DATE 00 SEPT 00 TIME 2213 LAT 40-09.2N LON 72-14.6W DEPTH(M) 69 SST(C) 21.9



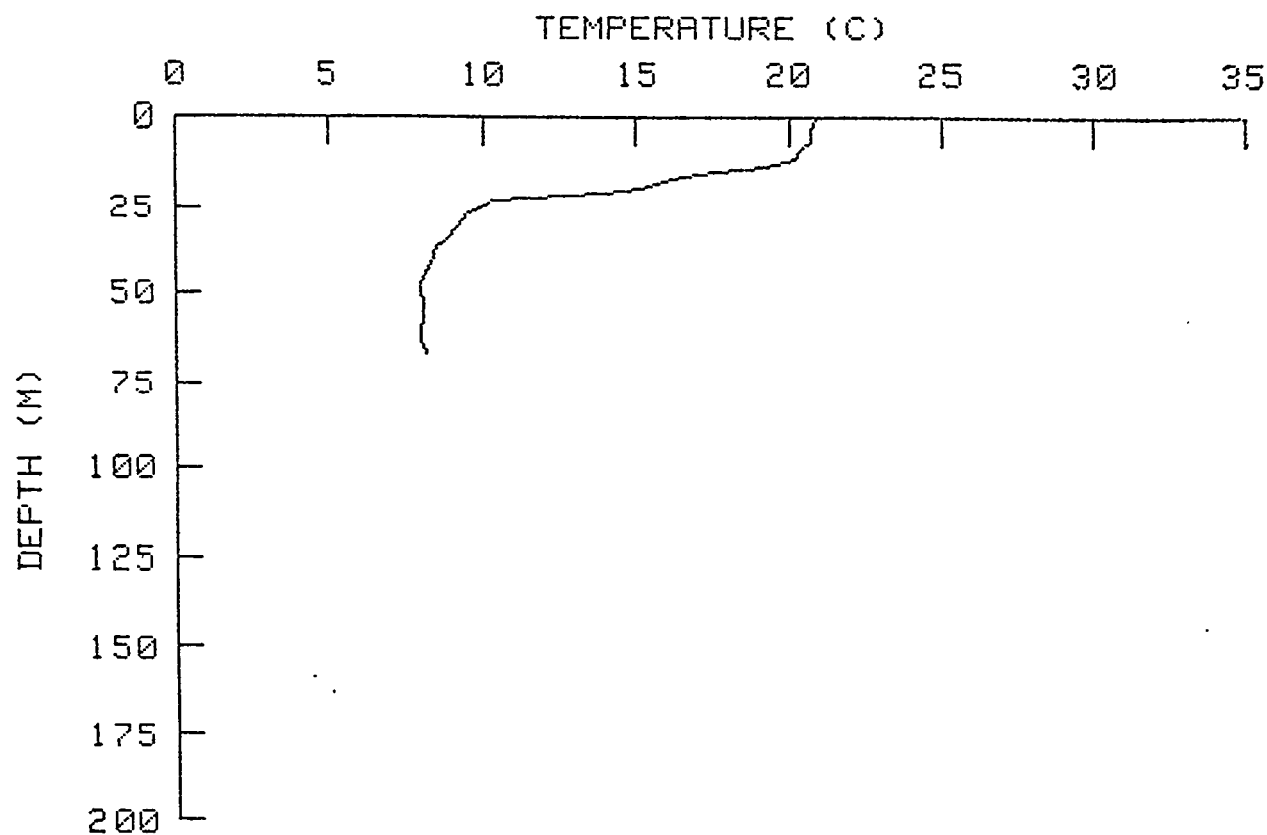
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	27.88	27.81	27.74	27.67	27.60	27.53	27.47
10	27.40	27.33	26.79	26.11	25.52	24.90	24.22	23.47	22.46	21.61
20	21.01	20.50	19.99	19.38	18.80	18.24	17.54	16.65	15.26	14.46
30	13.90	13.56	13.40	13.23	13.01	12.78	12.55	12.45	12.36	12.28
40	12.23	12.19	12.14	12.09	12.04	12.00	11.97	11.93	11.89	11.85
50	11.82	11.78	11.74	11.68	11.62	11.55	11.49	11.43	11.39	11.37
60	11.34	11.25	11.12	11.08	11.04	11.00	10.96	10.90	10.81	11.53
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 142X DATE 00 SEPT 80 TIME 2304 LAT 40-12.2N LON 72-07.7W DEPTH(M) 66 SST(C) 20.8



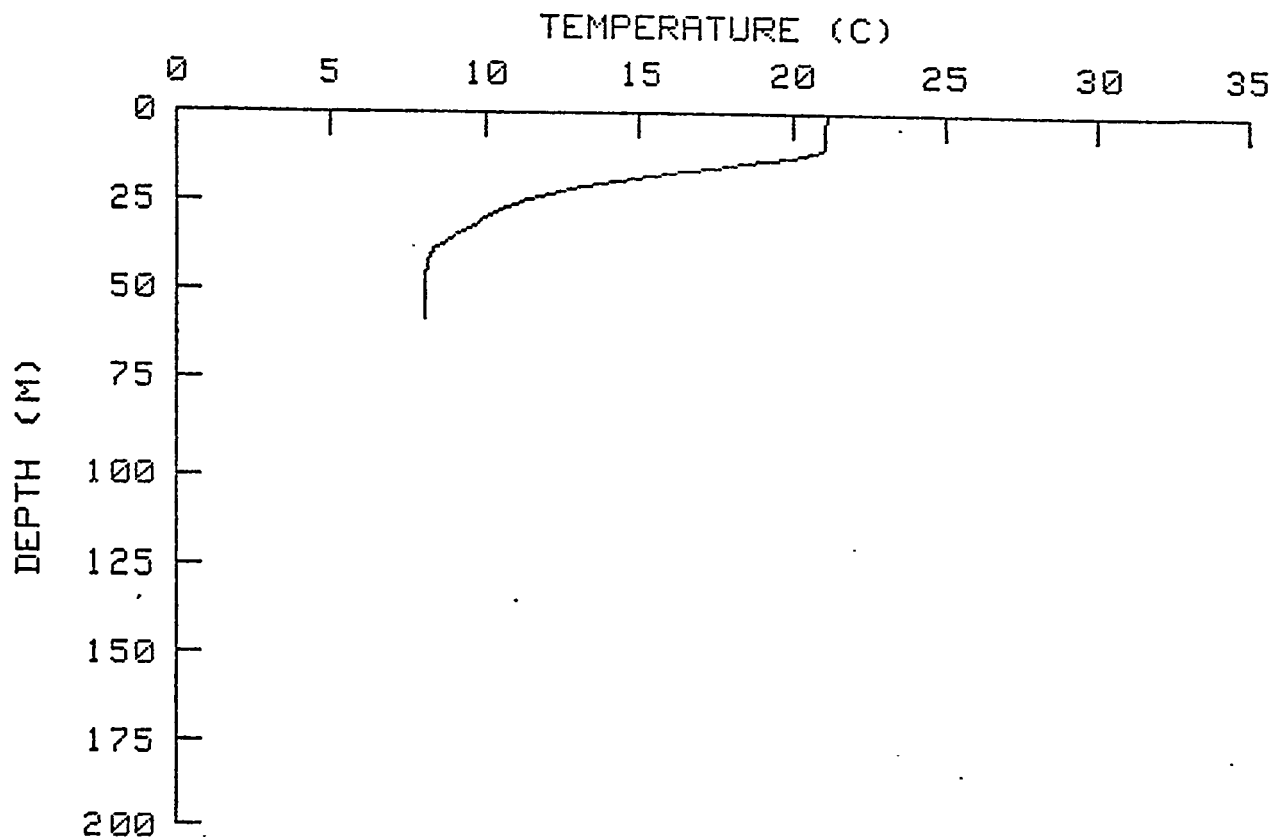
	0	1	2	3	4	5	6	7	8	9
0	-	-	20.80	20.79	20.78	20.77	20.76	20.74	20.72	20.70
10	20.67	20.36	19.97	19.49	18.33	16.71	15.19	13.97	13.25	12.79
20	12.46	12.22	11.98	11.89	11.80	11.66	11.43	11.19	10.98	10.77
30	10.56	10.26	9.92	9.76	9.62	9.51	9.39	9.36	9.37	9.33
40	9.26	9.25	9.25	9.23	8.89	8.71	8.55	8.43	8.39	8.35
50	8.31	8.27	8.25	8.25	8.25	8.25	8.25	8.25	8.25	8.25
60	8.25	8.25	8.25	8.26	8.26	8.26	8.27	8.29	8.32	8.34
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 143X DATE 09 SEPT 80 TIME 0001 LAT 40-16.1N LON 71-51.5W DEPTH(M) 72 SST(C) 20.4



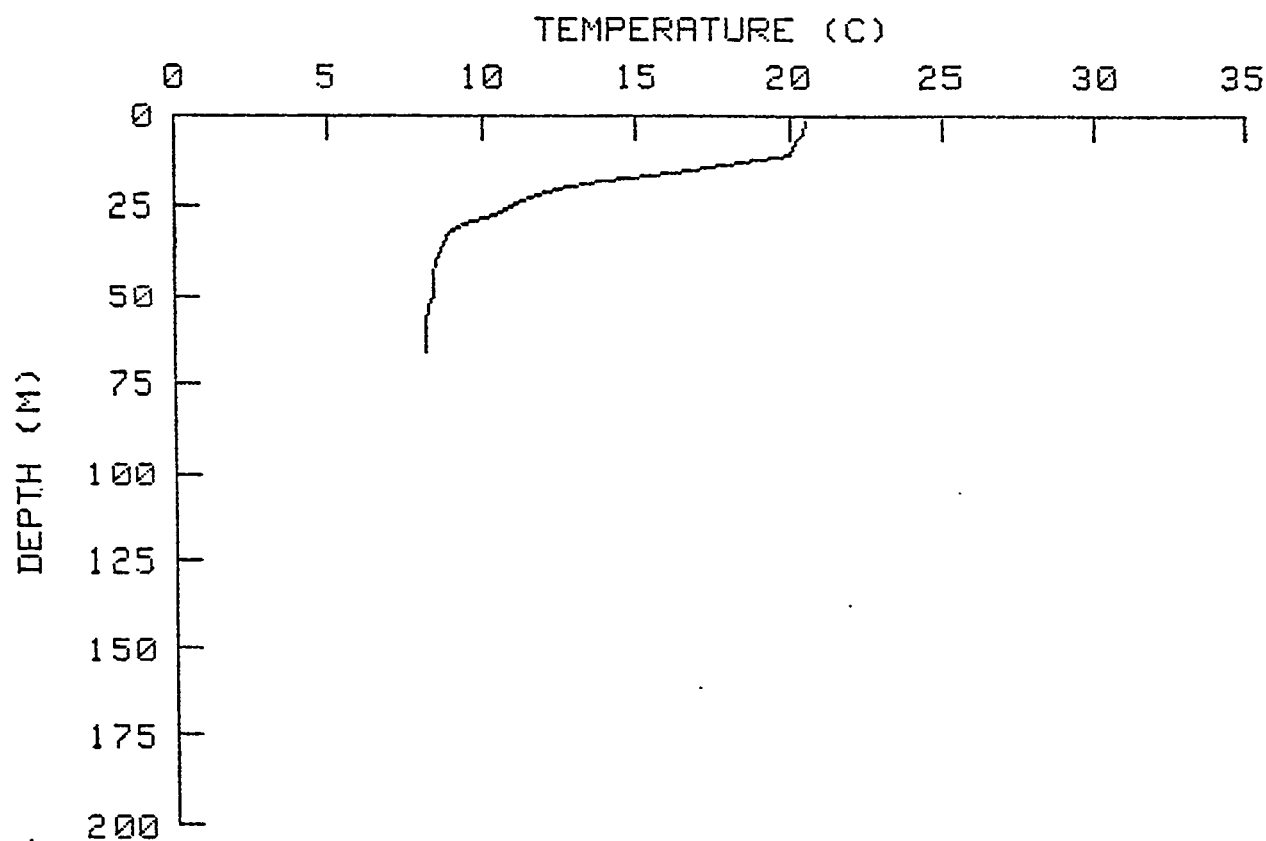
	0	1	2	3	4	5	6	7	8	9
0	-	-	20.82	20.78	20.75	20.75	20.75	20.62	20.46	20.35
10	20.24	19.96	19.50	18.70	17.54	16.82	16.34	16.06	15.70	15.25
20	14.56	13.71	11.93	10.72	10.18	9.94	9.69	9.51	9.42	9.33
30	9.24	9.15	9.06	8.97	8.88	8.79	8.67	8.55	8.49	8.45
40	8.40	8.36	8.31	8.25	8.18	8.12	8.05	7.99	7.97	7.98
50	8.00	8.01	8.02	8.04	8.05	8.07	8.07	8.06	8.04	8.02
60	8.01	7.99	7.98	8.01	8.07	8.12	8.18	8.20	8.21	8.22
70	8.23	8.24	8.26	8.27	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 144X DATE 09 SEPT 80 TIME 0200 LAT 40-24.8N LON 71-48.1W DEPTH(M) 61 SST(C) 21.2



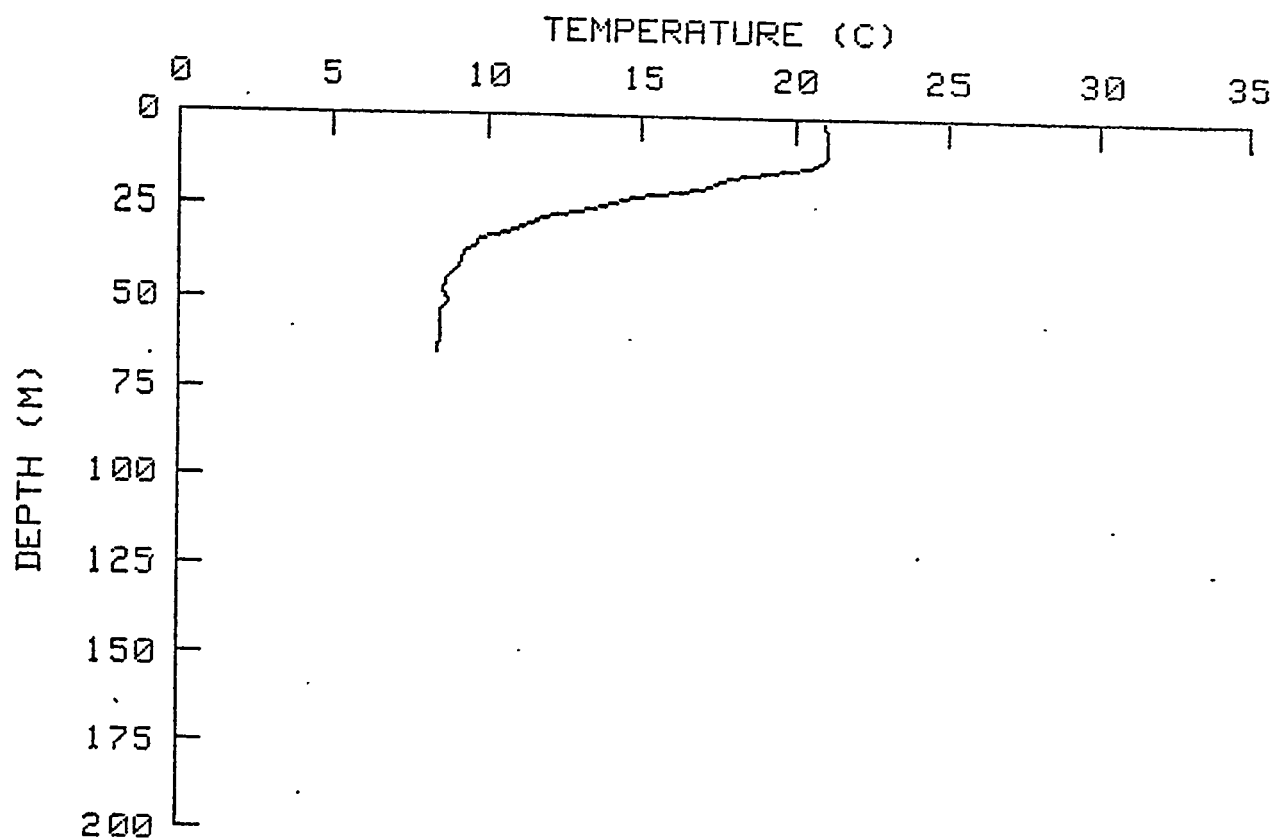
	0	1	2	3	4	5	6	7	8	9
0	-	-	21.16	21.14	21.11	21.10	21.10	21.10	21.10	21.10
10	21.03	20.78	20.37	19.80	18.81	17.88	17.08	16.35	15.49	14.63
20	13.83	13.10	12.54	12.01	11.61	11.27	10.99	10.71	10.43	10.14
30	9.99	9.82	9.59	9.41	9.23	9.03	8.83	8.63	8.42	8.27
40	8.24	8.21	8.18	8.16	8.14	8.13	8.12	8.11	8.09	8.08
50	8.07	8.06	8.05	8.04	8.03	8.04	8.05	8.07	8.08	8.09
60	8.09	8.09	8.09	8.09	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 145X DATE 09 SEPT 80 TIME 0310 LAT 40-34.9N LON 71-43.5W DEPTH(M) 67 SST(C) 20.7



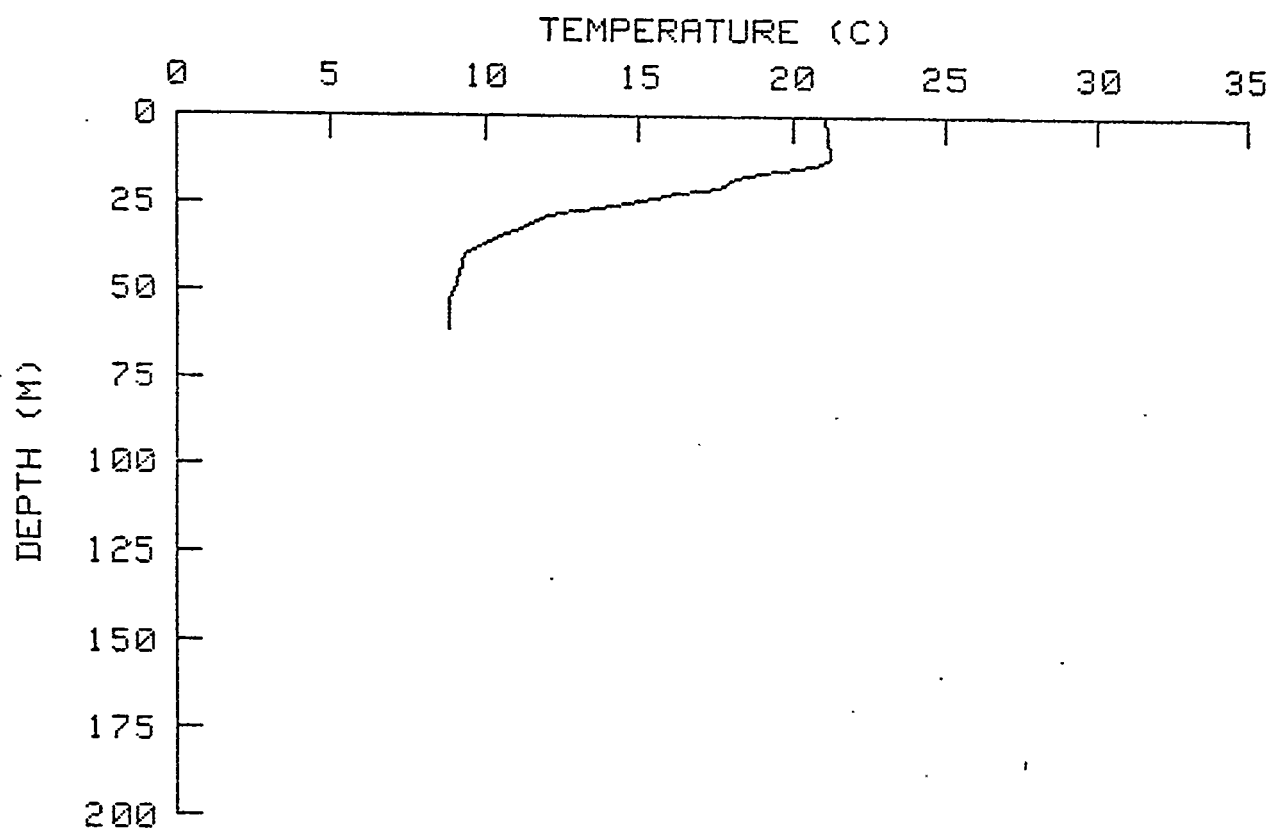
	0	1	2	3	4	5	6	7	8	9
0	-	-	20.52	20.49	20.47	20.45	20.41	20.30	20.20	20.15
10	20.09	20.04	19.70	18.88	18.16	17.36	16.54	15.76	14.76	13.76
20	13.08	12.53	12.05	11.69	11.34	11.03	10.73	10.43	10.08	9.73
30	9.37	9.12	8.88	8.81	8.74	8.67	8.60	8.54	8.52	8.50
40	8.48	8.46	8.44	8.42	8.42	8.42	8.42	8.42	8.42	8.42
50	8.42	8.38	8.33	8.28	8.25	8.23	8.21	8.19	8.17	8.15
60	8.14	8.14	8.14	8.14	8.14	8.14	8.14	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 146X DATE 09 SEPT 80 TIME 0500 LAT 40-36.8N LON 71-29.9W DEPTH(M) 65 SST(C) 21.1



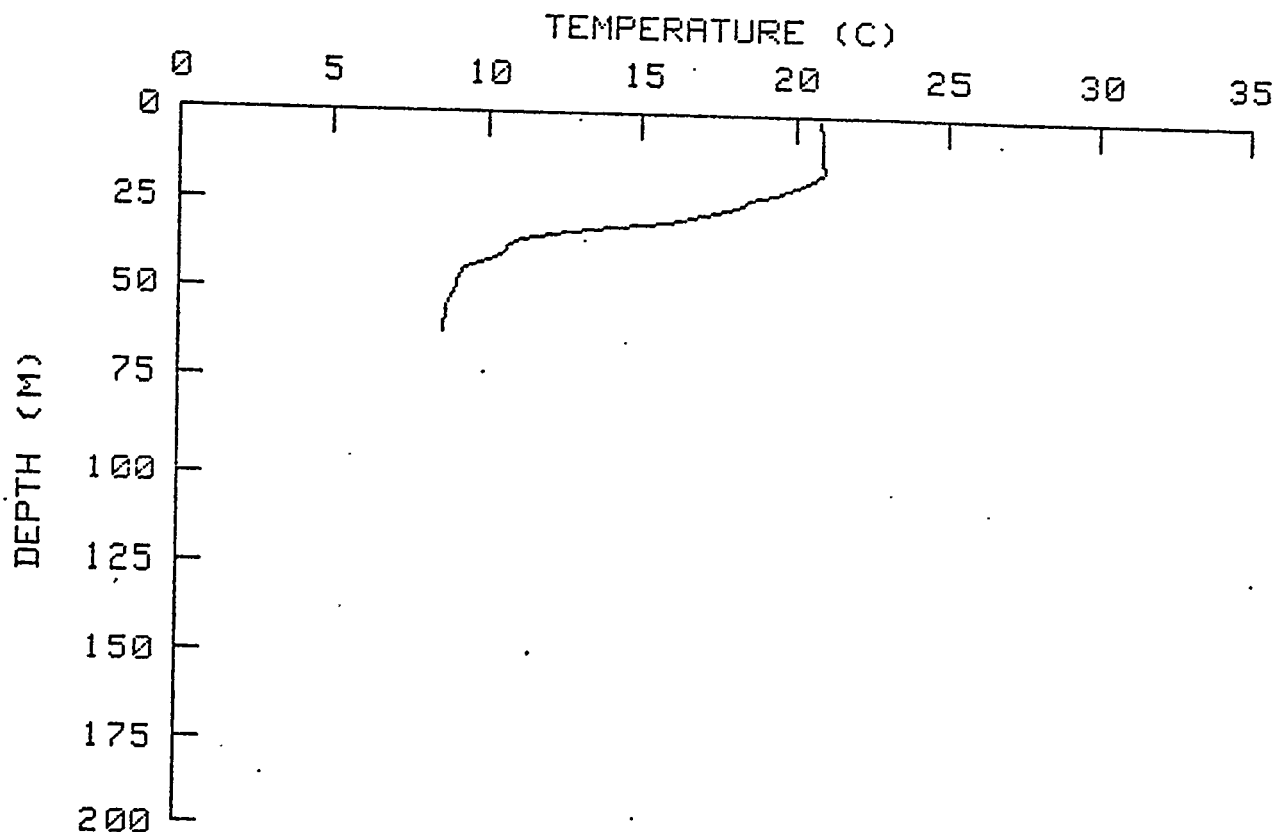
	0	1	2	3	4	5	6	7	8	9
0	-	-	21.02	21.04	21.06	21.08	21.09	21.09	21.09	21.09
10	21.09	21.09	20.99	20.81	20.45	19.54	18.81	18.20	17.71	17.37
20	17.03	16.12	15.10	14.46	14.00	13.66	13.10	12.25	11.65	11.43
30	11.02	10.55	10.13	9.77	9.71	9.53	9.31	9.21	9.17	9.13
40	9.08	9.02	8.92	8.82	8.72	8.65	8.63	8.60	8.58	8.62
50	8.68	8.68	8.59	8.49	8.46	8.46	8.46	8.46	8.46	8.46
60	8.46	8.45	8.43	8.41	8.39	8.38	8.38	8.38	8.38	8.38
70	8.38	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 147X DATE 09 SEPT 80 TIME 0600 LAT 40-37.3N LON 71-16.0W DEPTH(M) 62 SST(C) 21.4



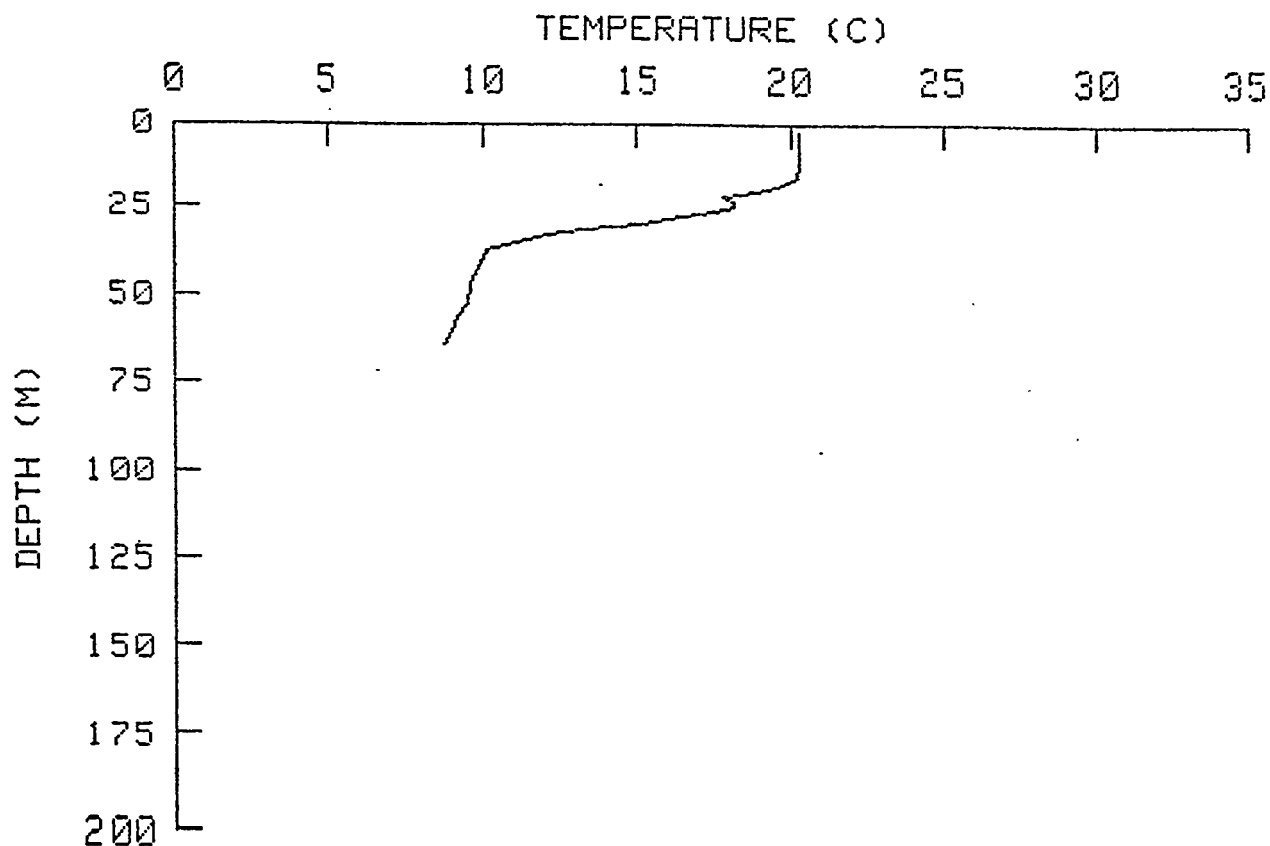
	0	1	2	3	4	5	6	7	8	9
0	-	-	21.11	21.12	21.14	21.15	21.17	21.17	21.18	21.19
10	21.19	21.20	21.21	21.05	20.82	20.31	19.68	18.91	18.35	18.02
20	17.80	17.38	16.67	16.03	15.48	14.91	14.24	13.55	12.76	12.21
30	11.85	11.62	11.39	11.10	10.68	10.36	10.11	9.89	9.73	9.56
40	9.40	9.35	9.31	9.28	9.25	9.21	9.18	9.14	9.10	9.05
50	9.00	8.94	8.88	8.83	8.80	8.80	8.80	8.80	8.80	8.80
60	8.80	8.80	8.79	8.77	8.75	8.73	8.71	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 148X DATE 09 SEPT 80 TIME 0730 LAT 40-38.3N LON 71-10.2W DEPTH(M) 62 SST(C) 21.1



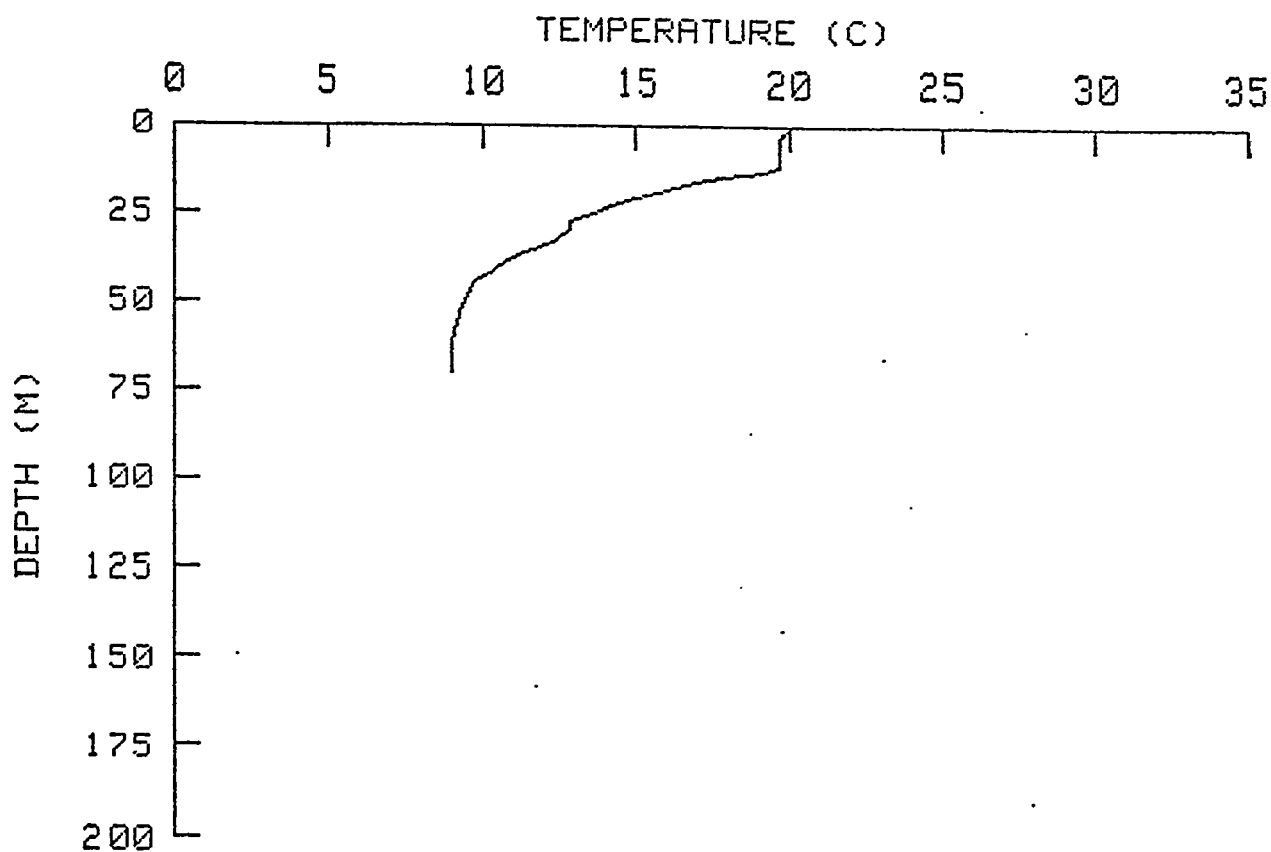
	0	1	2	3	4	5	6	7	8	9
0	-	-	20.81	20.85	20.88	20.92	20.94	20.94	20.94	20.94
10	20.94	20.94	20.94	20.94	20.94	20.94	20.86	20.73	20.60	20.45
20	20.10	19.75	19.40	18.90	18.49	18.36	18.23	17.77	17.16	16.58
30	16.01	14.92	13.84	13.04	12.28	11.55	10.97	10.72	10.65	10.60
40	10.42	10.13	9.82	9.49	9.26	9.17	9.07	9.04	9.01	8.98
50	8.96	8.93	8.88	8.83	8.77	8.72	8.68	8.66	8.64	8.61
60	8.59	8.57	8.55	8.55	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 149X 09 SEPT 80 0917 40-37.8N 71-00.3W 70 20.5



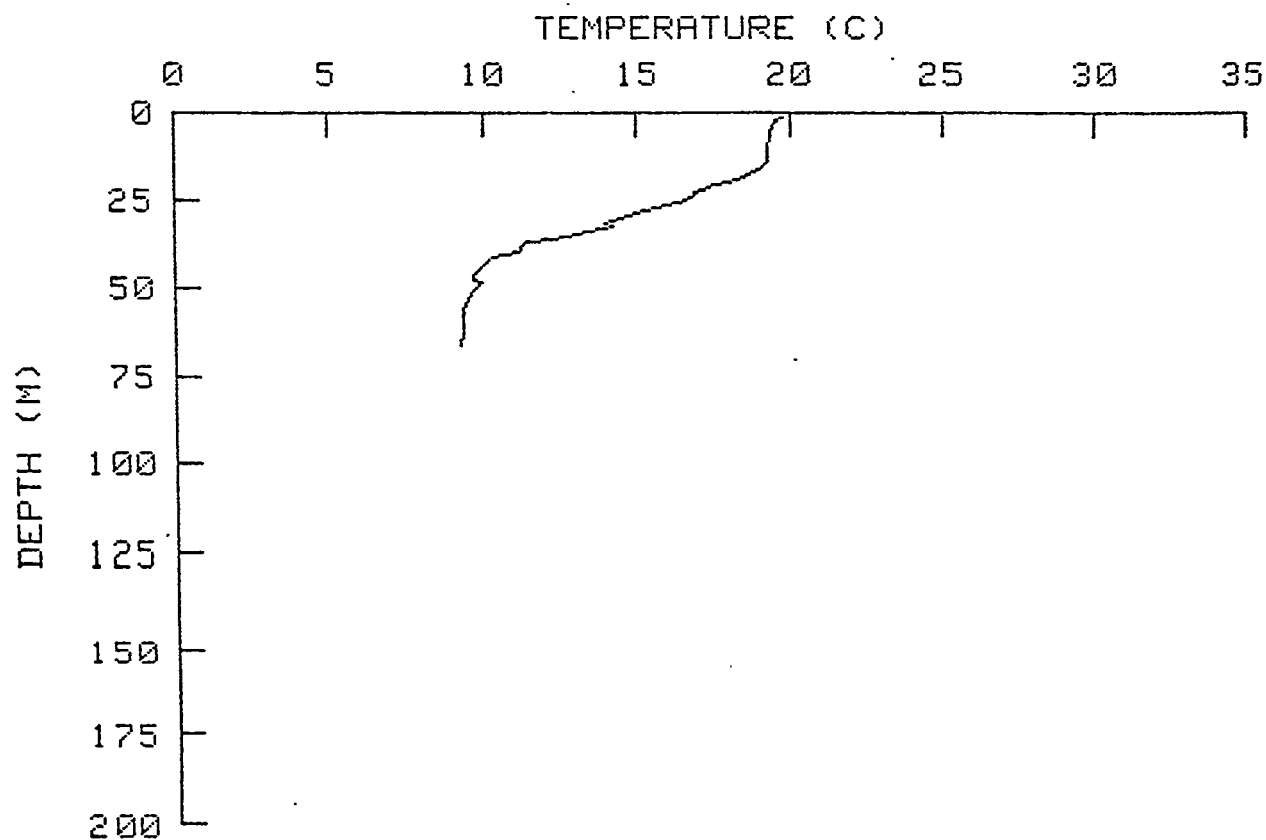
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	20.29	20.29	20.29	20.29	20.29	20.29	20.29
10	20.29	20.29	20.29	20.29	20.28	20.25	20.22	20.10	19.83	19.57
20	19.20	18.76	18.12	17.96	18.13	18.15	17.86	17.28	16.53	15.92
30	15.33	14.38	13.26	12.52	11.88	11.36	10.90	10.50	10.14	10.07
40	10.00	9.94	9.87	9.81	9.77	9.73	9.68	9.64	9.61	9.59
50	9.57	9.55	9.52	9.44	9.34	9.25	9.16	9.12	9.08	9.04
60	9.00	8.95	8.89	8.83	8.78	8.75	8.74	8.74	8.73	8.72
70	8.71	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 150X DATE 09 SEPT 80 TIME 1030 LAT 40-37.8N LON 70-49.8W DEPTH(M) 72 SST(C) 19.9



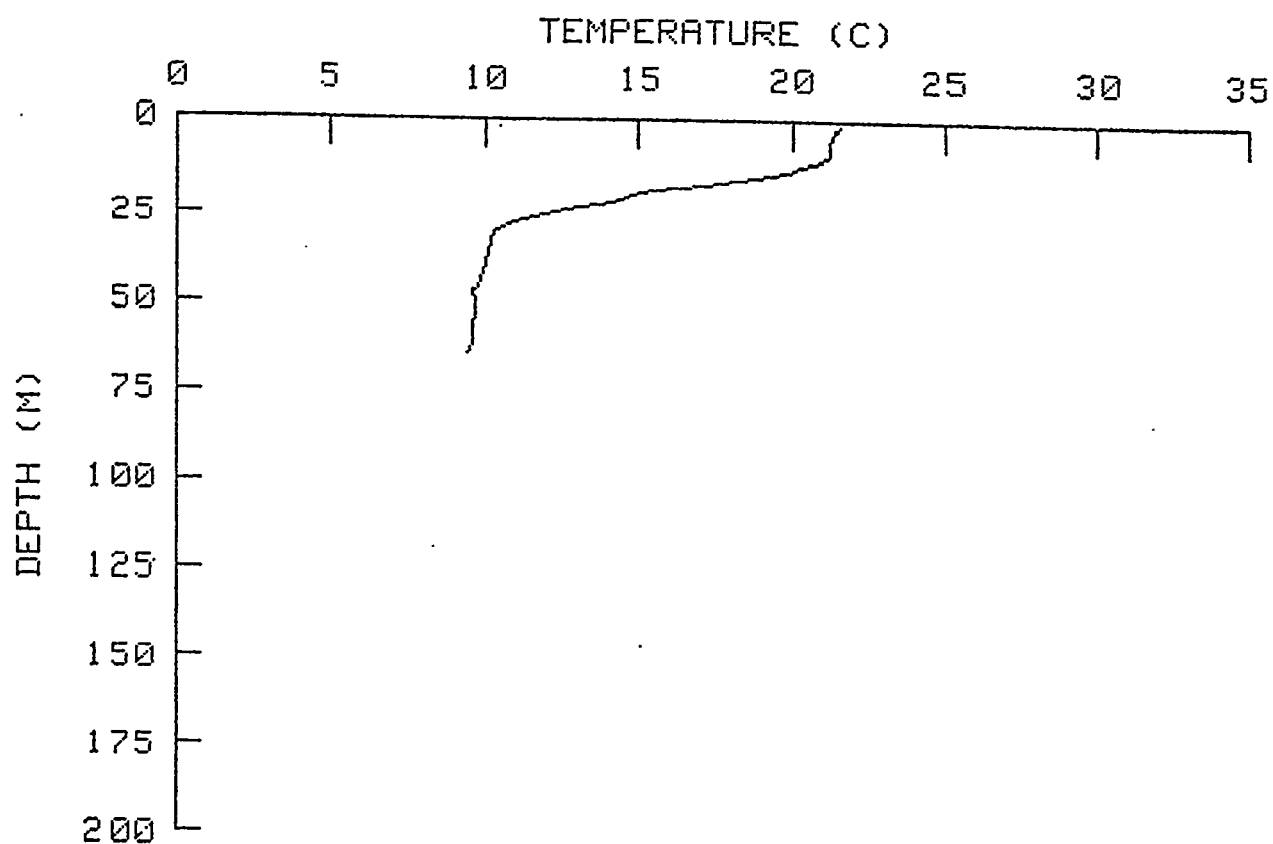
	0	1	2	3	4	5	6	7	8	9
0	-	-	19.88	19.77	19.74	19.71	19.70	19.70	19.70	19.70
10	19.70	19.69	19.65	19.36	18.85	18.07	17.41	16.80	16.20	15.73
20	15.33	14.93	14.54	14.19	13.89	13.58	13.33	13.07	12.88	12.88
30	12.82	12.68	12.53	12.36	12.16	11.86	11.46	11.15	10.86	10.69
40	10.56	10.42	10.25	10.07	9.88	9.76	9.67	9.58	9.51	9.45
50	9.38	9.32	9.28	9.25	9.22	9.19	9.16	9.13	9.10	9.08
60	9.05	9.03	9.03	9.03	9.03	9.03	9.03	9.03	9.03	9.01
70	8.99	8.97	8.96	8.95	8.93	8.92	8.90	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 151X 09 SEPT 80 1040 40-37.8N 70-49.8W 87 19.7



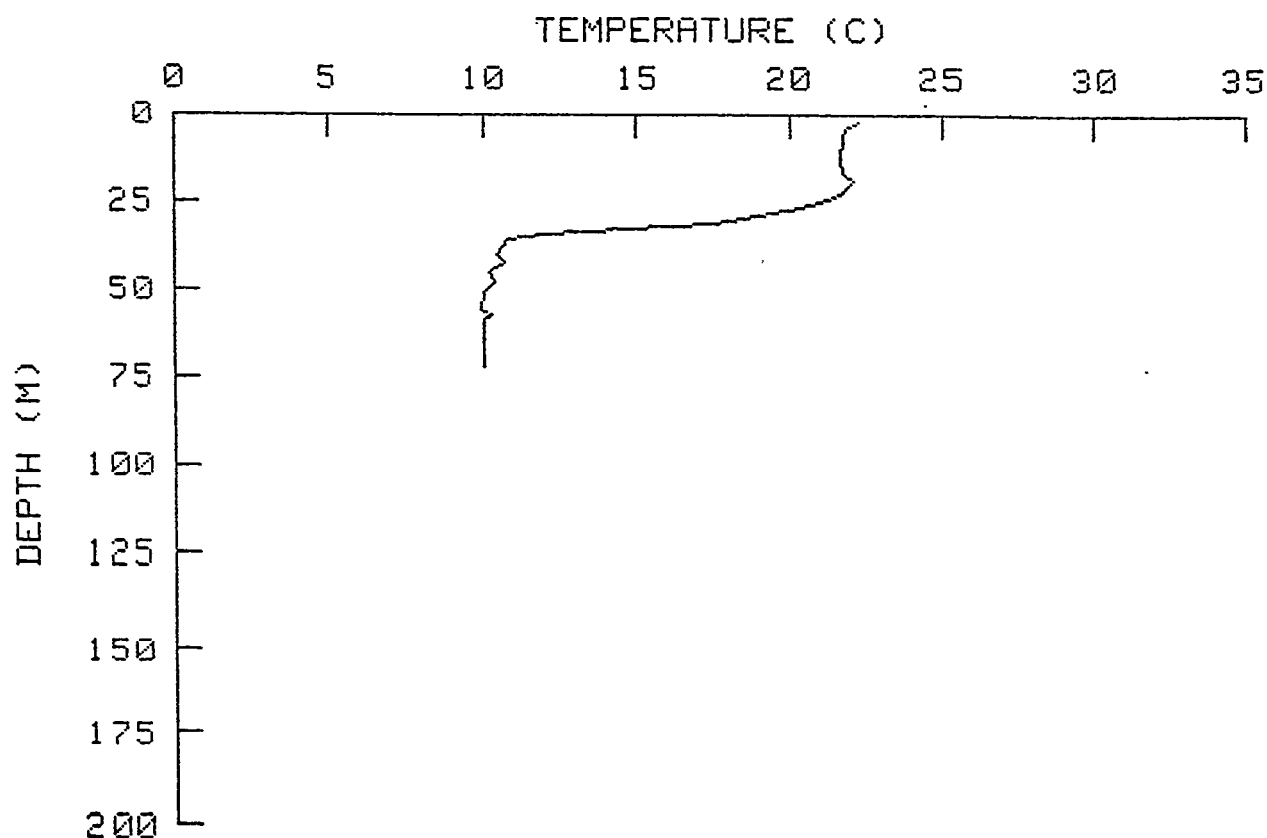
	0	1	2	3	4	5	6	7	8	9
0	-	-	19.68	19.51	19.46	19.42	19.37	19.35	19.34	19.33
10	19.32	19.31	19.31	19.30	19.30	19.24	19.07	18.83	18.58	18.32
20	17.85	17.43	17.16	16.89	16.83	16.55	16.19	15.71	15.23	14.93
30	14.55	14.16	14.10	14.06	13.56	12.93	12.30	11.40	11.32	11.24
40	11.16	10.65	10.22	10.07	9.92	9.85	9.78	9.72	9.76	9.97
50	9.85	9.73	9.60	9.55	9.50	9.45	9.40	9.36	9.36	9.35
60	9.35	9.35	9.34	9.34	9.31	9.28	9.24	9.23	9.22	9.20
70	9.19	9.18	9.17	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 152X DATE 09 SEPT 80 TIME 1320 LAT 40-33.2N LON 70-34.7W DEPTH(M) 67 SST(C) 22.2



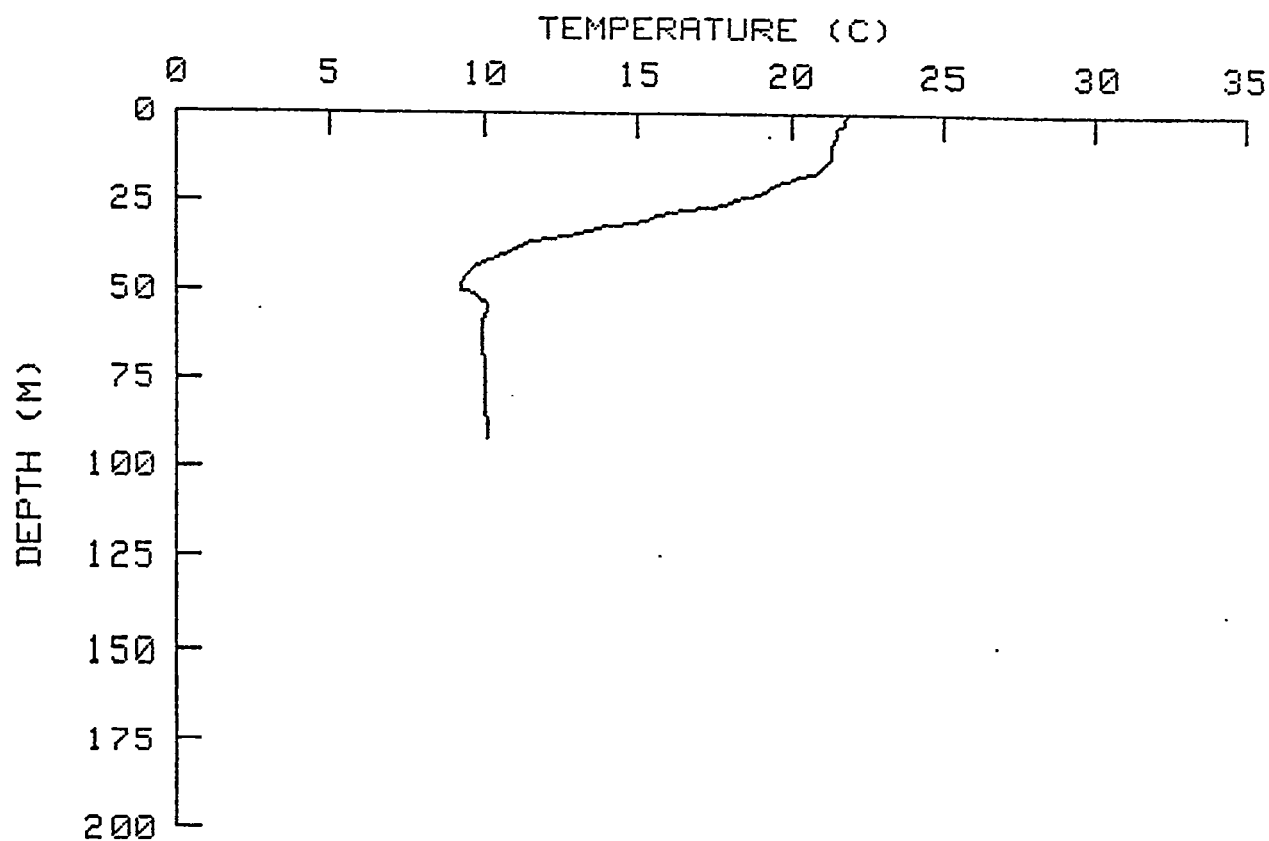
	0	1	2	3	4	5	6	7	8	9
0	-	-	21.52	21.41	21.36	21.31	21.27	21.24	21.24	21.06
10	20.77	20.42	20.11	19.91	19.16	18.35	17.30	16.43	15.59	15.10
20	14.68	14.28	13.70	13.04	12.49	12.12	11.62	11.14	10.82	10.60
30	10.42	10.28	10.26	10.23	10.20	10.18	10.15	10.12	10.08	10.05
40	10.01	9.98	9.94	9.89	9.84	9.79	9.72	9.58	9.60	9.63
50	9.66	9.67	9.66	9.65	9.64	9.63	9.62	9.61	9.60	9.59
60	9.59	9.59	9.59	9.53	9.46	9.43	9.43	9.43	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 153X DATE 09 SEPT 80 TIME 1604 LAT 40-27.6N LON 70-30.5W DEPTH(M) 75 SST(C) 22.7



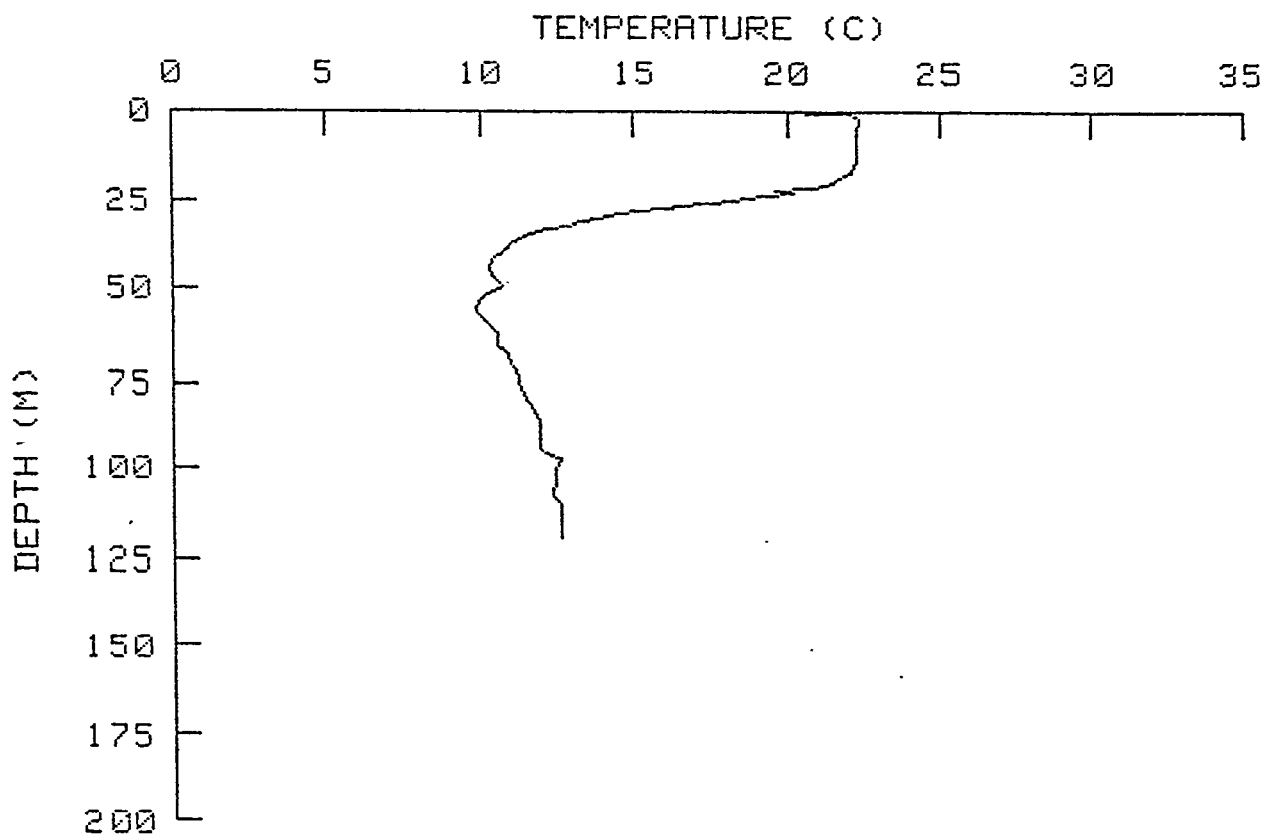
	0	1	2	3	4	5	6	7	8	9
0	-	-	-	22.10	21.91	21.85	21.79	21.74	21.73	21.71
10	21.70	21.68	21.67	21.65	21.66	21.69	21.72	21.76	21.84	21.99
20	22.01	21.92	21.82	21.62	21.35	21.00	20.55	20.09	19.62	19.00
30	18.27	17.53	15.76	13.87	11.93	11.32	10.77	10.69	10.61	10.53
40	10.50	10.58	10.66	10.52	10.37	10.26	10.28	10.34	10.37	10.24
50	10.12	10.01	10.00	9.98	9.97	9.96	9.95	10.21	10.19	10.07
60	10.06	10.05	10.03	10.02	10.01	10.00	9.99	10.00	10.01	10.02
70	10.02	10.03	10.04	10.02	10.01	9.99	9.97	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 154X DATE 09 SEPT 80 TIME 1735 LAT 40-19.9N LON 70-30.9W DEPTH(M) 93 SST(C) 22.1



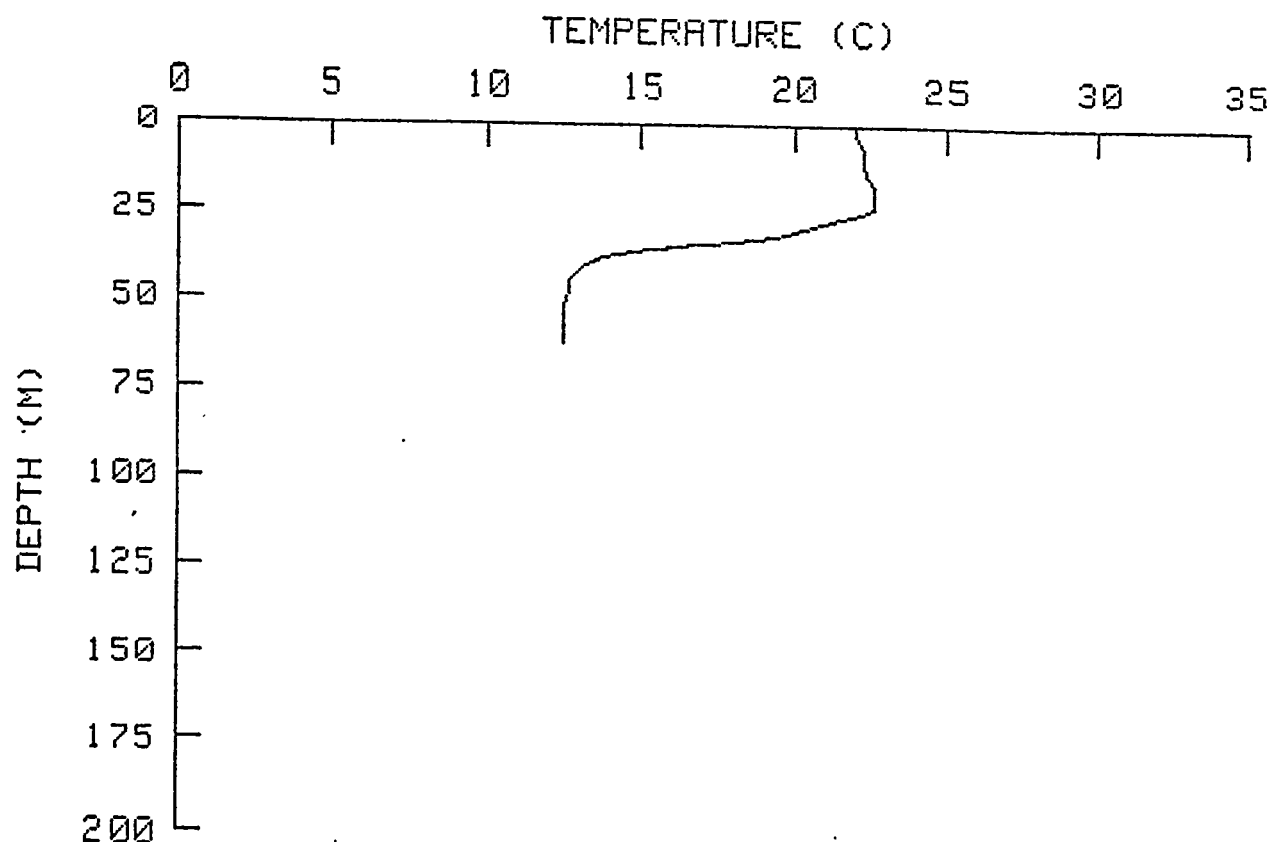
	0	1	2	3	4	5	6	7	8	9
0	-	21.84	21.75	21.75	21.66	21.50	21.49	21.49	21.42	21.35
10	21.33	21.32	21.31	21.31	21.18	21.05	20.92	20.79	20.34	19.93
20	19.61	19.40	19.21	19.04	18.48	18.09	17.62	16.70	16.17	15.70
30	15.30	14.79	13.95	13.55	13.17	12.58	11.81	11.28	11.01	10.81
40	10.59	10.33	10.01	9.72	9.57	9.47	9.38	9.30	9.23	9.23
50	9.23	9.58	9.79	9.99	10.12	10.10	10.07	10.02	9.97	9.92
60	9.91	9.91	9.91	9.91	9.91	9.91	9.91	9.92	9.95	9.99
70	10.02	10.02	10.02	10.02	10.03	10.03	10.03	10.03	10.03	10.03
80	10.03	10.03	10.03	10.03	10.04	10.06	10.08	10.10	10.12	10.12
90	10.12	10.12	10.12	10.22	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 155X 09 SEPT 80 1856 40-11.0N 70-32.1W 120 22.5



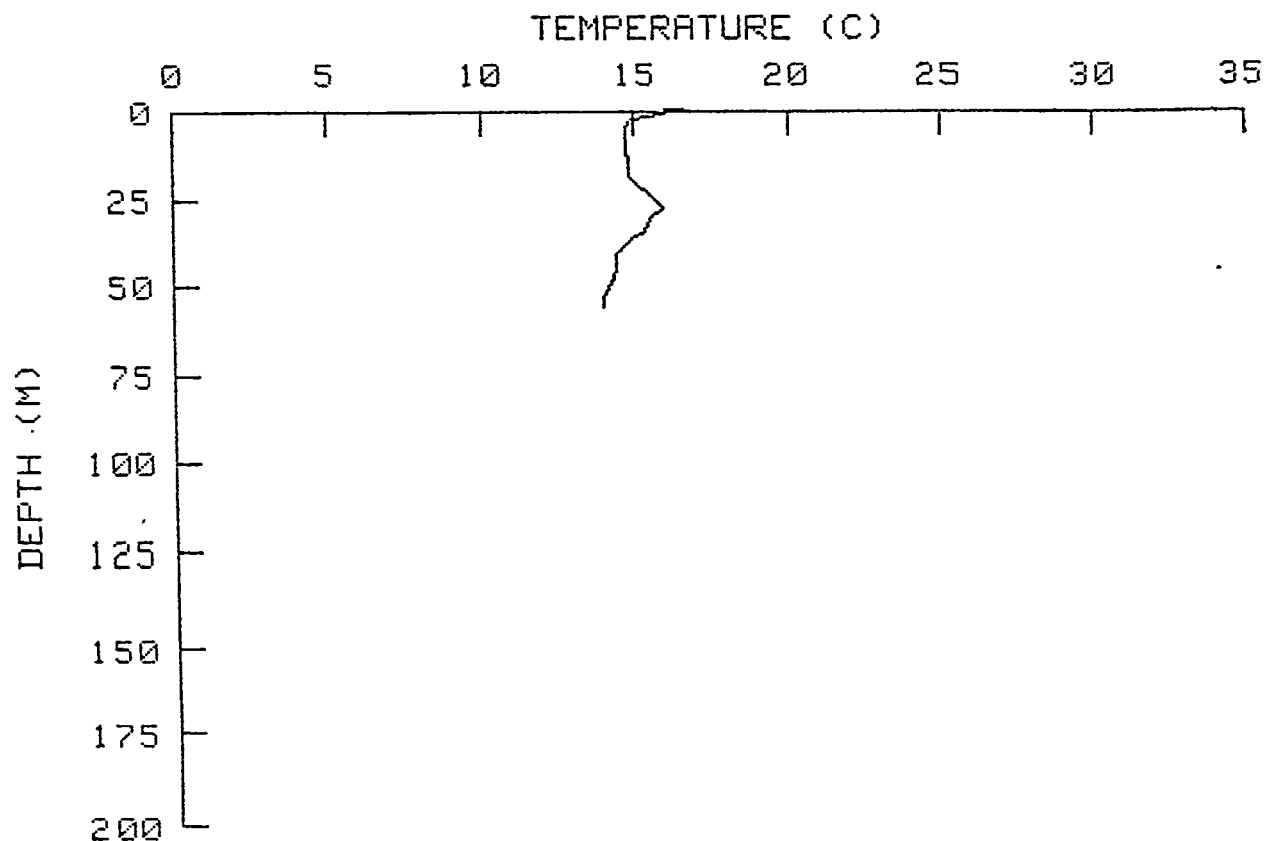
	0	1	2	3	4	5	6	7	8	9
0	-	22.13	22.31	22.37	22.33	22.29	22.25	22.23	22.23	22.23
10	22.23	22.23	22.23	22.23	22.22	22.17	22.11	22.04	21.85	21.66
20	21.45	21.15	20.51	19.89	19.00	18.56	17.59	16.43	15.57	14.67
30	13.97	13.37	13.00	12.43	12.00	11.71	11.36	11.05	10.91	10.78
40	10.65	10.53	10.43	10.34	10.30	10.31	10.37	10.43	10.54	10.66
50	10.54	10.33	10.17	10.05	9.96	9.87	9.84	9.86	9.98	10.10
60	10.22	10.33	10.45	10.54	10.54	10.54	10.55	10.73	10.85	10.93
70	11.00	11.10	11.19	11.25	11.25	11.25	11.27	11.31	11.35	11.45
80	11.57	11.64	11.70	11.76	11.81	11.86	11.91	11.91	11.91	11.91
90	11.91	11.91	11.91	11.91	11.92	12.09	12.25	12.47	12.56	12.52
100	12.47	12.43	12.43	12.43	12.43	12.42	12.41	12.39	12.38	12.48
110	12.57	12.59	12.58	12.58	12.58	12.58	12.58	12.58	12.58	12.57
120	12.50	12.43	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 156X DATE 10 SEPT 80 TIME 1340 LAT 40-20.8N LON 69-20.8W DEPTH(M) 67 SST(C) 22.1



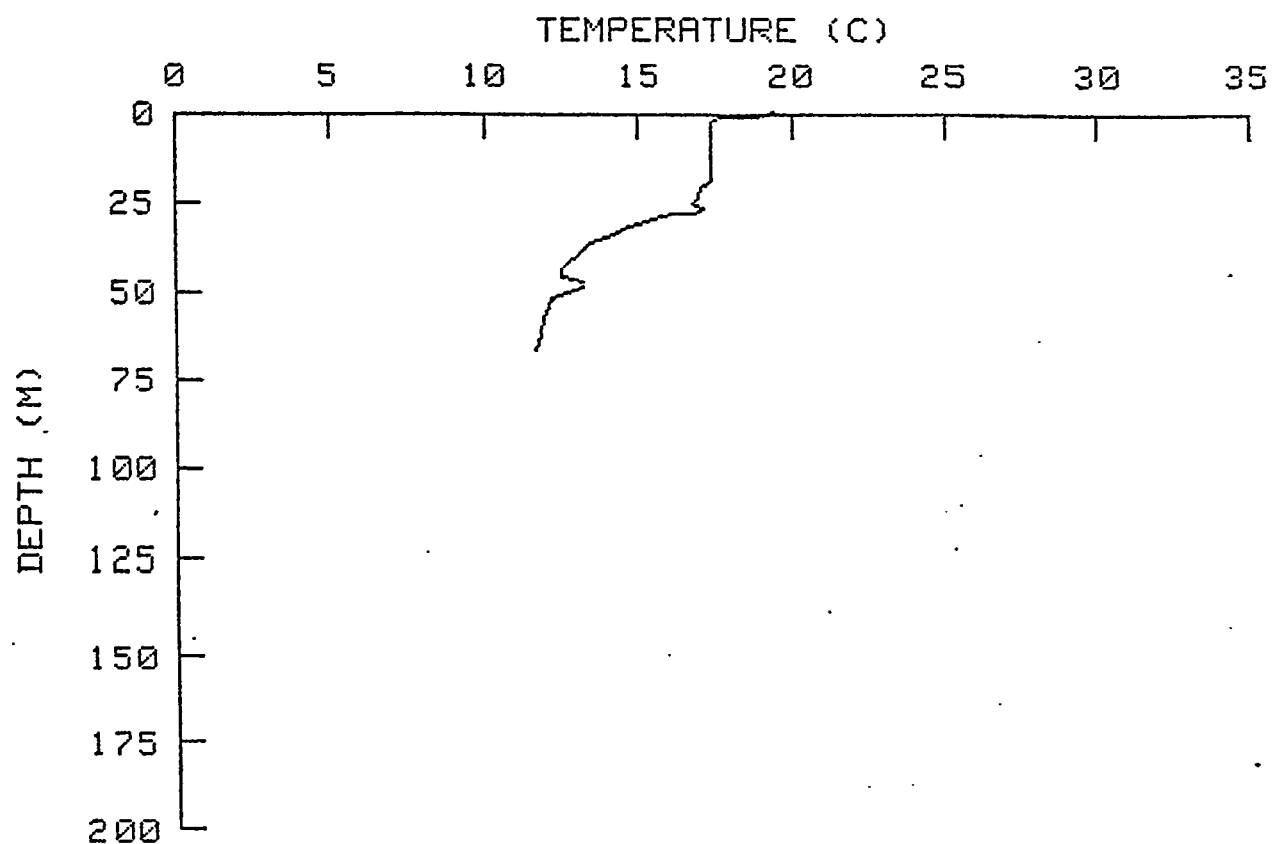
	0	1	2	3	4	5	6	7	8	9
0	-	21.99	21.99	22.01	22.06	22.10	22.15	22.20	22.23	22.23
10	22.23	22.23	22.26	22.30	22.35	22.41	22.48	22.56	22.60	22.60
20	22.60	22.60	22.60	22.60	22.50	22.29	21.83	21.49	21.15	20.78
30	20.25	19.67	18.97	18.12	17.25	16.17	14.72	14.09	13.68	13.47
40	13.25	13.08	12.93	12.81	12.71	12.70	12.69	12.69	12.67	12.63
50	12.60	12.57	12.55	12.55	12.54	12.54	12.54	12.54	12.54	12.53
60	12.51	12.50	12.50	12.50	12.50	12.49	12.49	12.49	12.49	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 157X DATE 10 SEPT 80 TIME 1600 LAT 40-32.1N LON 69-24.3W DEPTH(M) 50 SST(C) 15.2



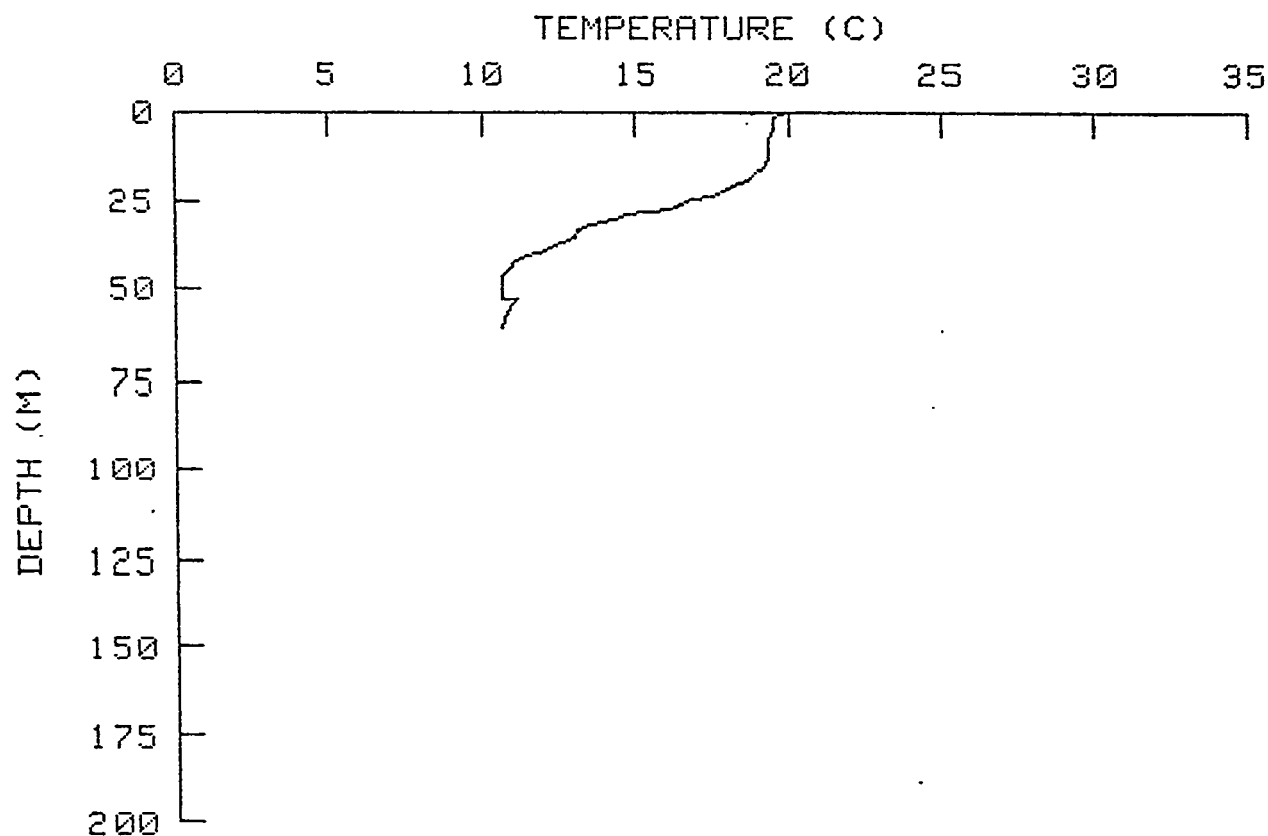
	0	1	2	3	4	5	6	7	8	9
0	16.57	15.83	15.19	14.86	14.78	14.73	14.73	14.73	14.73	14.73
10	14.73	14.73	14.75	14.78	14.80	14.82	14.84	14.84	14.84	14.89
20	14.99	15.10	15.24	15.38	15.52	15.67	15.78	15.89	15.82	15.70
30	15.60	15.53	15.47	15.42	15.37	15.21	15.00	14.84	14.70	14.59
40	14.50	14.41	14.41	14.42	14.42	14.41	14.37	14.32	14.27	14.21
50	14.15	14.09	14.02	13.94	13.93	13.93	13.93	13.94	13.96	13.97
60	13.99	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION DATE TIME LAT LON DEPTH(M) SST(C)
 158X 10 SEPT 80 1822 40-32.3N 69-47.7W 68 17.6



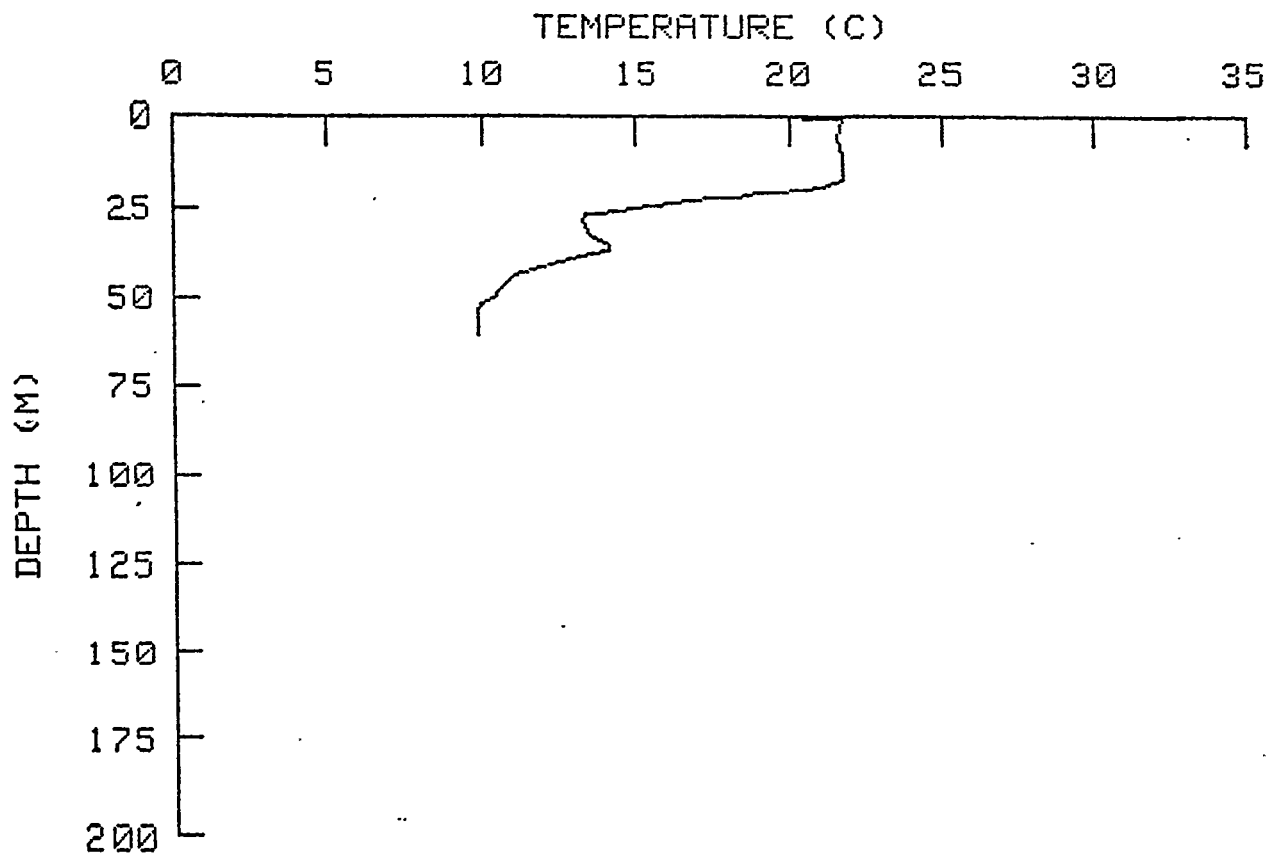
	0	1	2	3	4	5	6	7	8	9
0	19.40	18.77	17.52	17.43	17.42	17.40	17.39	17.37	17.37	17.37
10	17.38	17.38	17.38	17.39	17.40	17.42	17.43	17.43	17.42	17.33
20	17.17	17.04	17.01	16.98	16.94	16.86	16.92	17.03	16.83	15.83
30	15.40	15.04	14.70	14.35	14.13	13.88	13.46	13.35	13.26	13.17
40	13.00	12.79	12.67	12.55	12.49	12.49	12.74	13.15	13.22	13.02
50	12.68	12.43	12.20	12.15	12.10	12.05	12.00	11.95	11.91	11.89
60	11.86	11.84	11.81	11.79	11.76	11.74	11.71	11.70	11.70	11.70
70	11.70	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 159X DATE 10 SEPT 80 TIME 2000 LAT 40-33.4N LON 70-01.1W DEPTH(M) 82 SST(C) 19.6



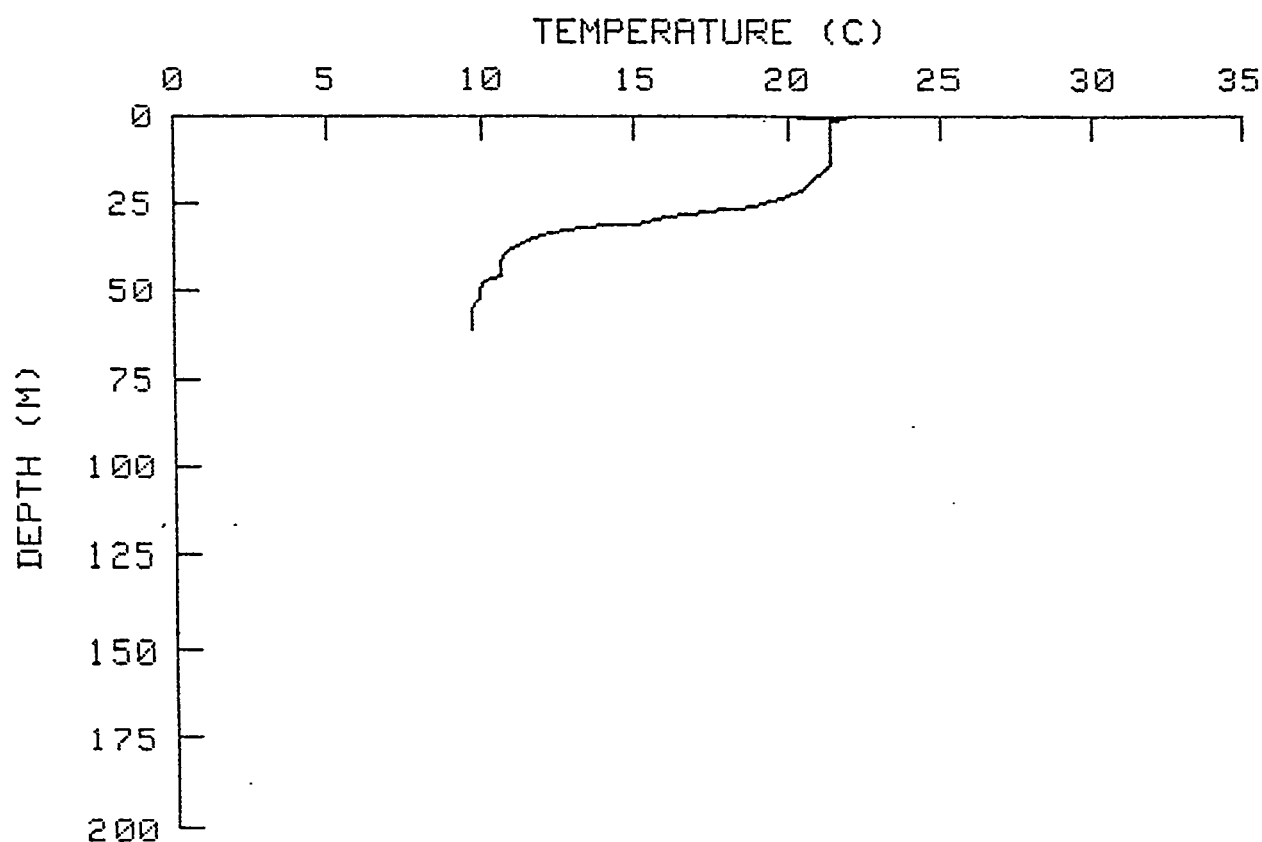
	0	1	2	3	4	5	6	7	8	9
0	-	19.75	19.52	19.52	19.52	19.49	19.45	19.41	19.36	19.35
10	19.35	19.35	19.35	19.35	19.33	19.29	19.16	18.98	18.84	18.71
20	18.41	18.13	17.91	17.67	17.36	16.82	16.49	16.21	15.48	14.66
30	14.33	13.93	13.59	13.30	13.10	13.04	12.92	12.58	12.24	12.00
40	11.73	11.39	11.10	11.00	10.95	10.88	10.77	10.67	10.67	10.67
50	10.67	10.67	10.67	10.67	11.05	10.93	10.82	10.76	10.75	10.75
60	10.70	10.65	10.61	10.57	10.52	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 160X DATE 10 SEPT 80 TIME 2144 LAT 40-32.7N LON 70-09.0W DEPTH(M) 61 SST(C) 21.0



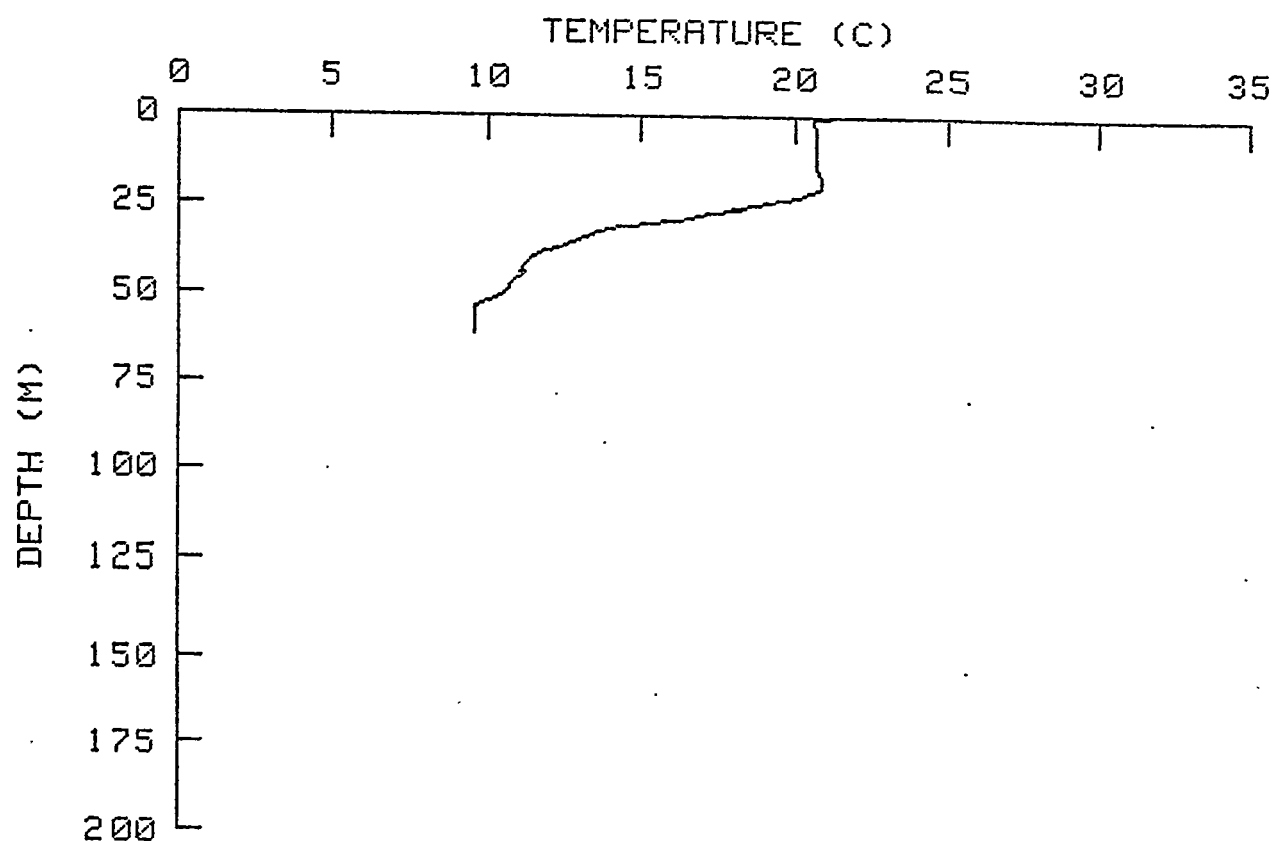
	0	1	2	3	4	5	6	7	8	9
0	-	20.76	21.72	21.68	21.65	21.61	21.62	21.65	21.67	21.70
10	21.72	21.72	21.72	21.72	21.72	21.72	21.72	21.71	21.50	21.15
20	20.58	19.73	18.34	16.79	16.04	15.13	14.51	13.68	13.30	13.28
30	13.35	13.42	13.48	13.63	13.81	14.00	14.16	14.16	13.61	13.06
40	12.53	12.02	11.59	11.24	10.99	10.88	10.77	10.65	10.55	10.48
50	10.34	10.07	9.93	9.88	9.82	9.82	9.82	9.82	9.82	9.82
60	9.83	9.83	9.83	9.83	9.83	9.83	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 161X DATE 10 SEPT 80 TIME 2330 LAT 40-31.6N LON 70-20.8W DEPTH(M) 64 SST(C) 20.7



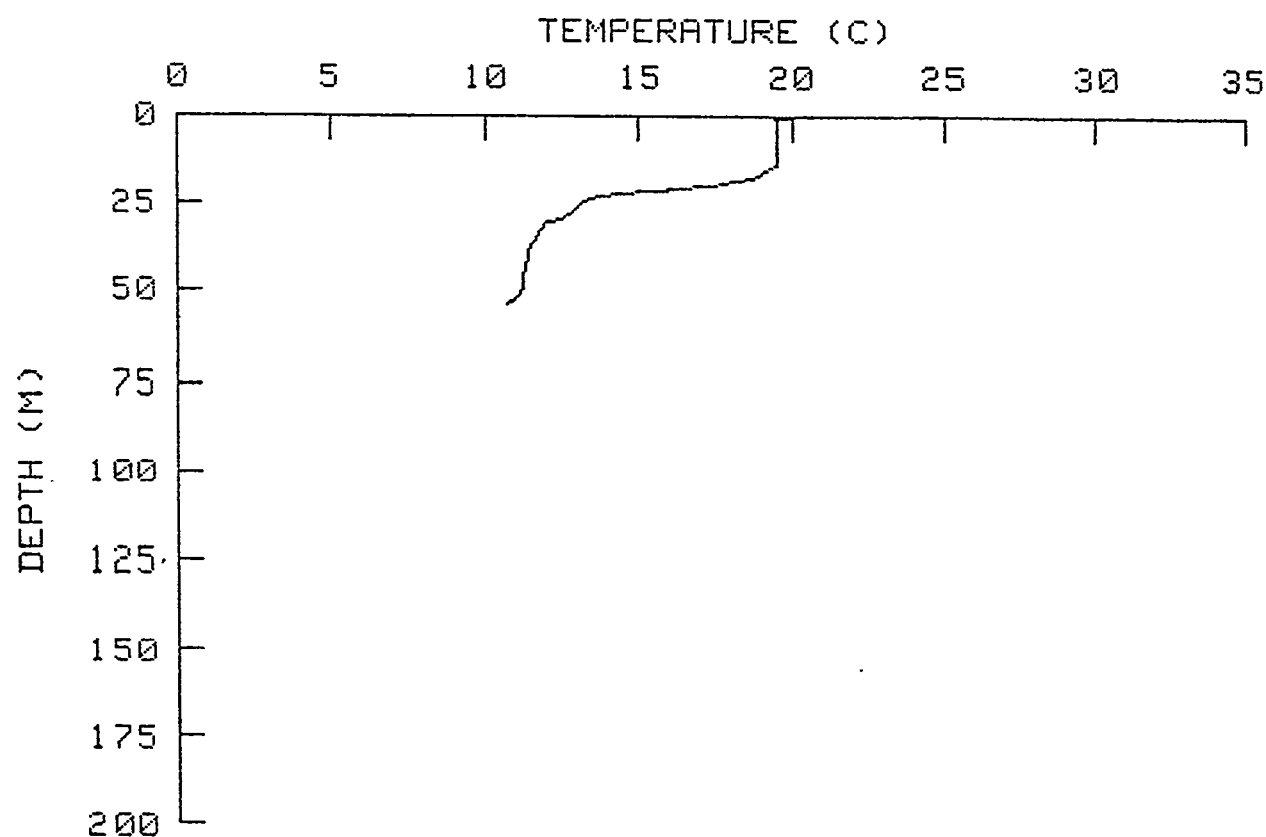
	0	1	2	3	4	5	6	7	8	9
0	-	21.31	21.45	21.42	21.42	21.42	21.42	21.42	21.43	21.43
10	21.43	21.43	21.43	21.43	21.43	21.30	21.16	21.00	20.85	20.73
20	20.61	20.46	20.26	20.01	19.74	19.41	18.98	17.83	17.02	16.12
30	15.51	14.00	13.03	12.41	12.06	11.77	11.49	11.26	11.04	10.85
40	10.71	10.67	10.65	10.62	10.62	10.62	10.54	10.24	10.08	9.99
50	9.97	9.97	9.97	9.88	9.80	9.76	9.72	9.68	9.67	9.67
60	9.67	9.67	9.67	9.67	9.67	9.68	9.68	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 162X DATE 11 SEPT 80 TIME 0150 LAT 40-34.7N LON 70-29.3W DEPTH(M) 64 SST(C) 20.7



	0	1	2	3	4	5	6	7	8	9
0	-	21.07	20.64	20.67	20.70	20.73	20.72	20.71	20.70	20.70
10	20.69	20.69	20.68	20.68	20.68	20.73	20.78	20.83	20.88	20.88
20	20.88	20.74	20.45	20.02	19.49	18.89	18.05	17.83	17.11	16.52
30	15.71	14.44	13.87	13.51	13.24	12.92	12.63	12.34	11.83	11.60
40	11.41	11.27	11.17	11.08	11.20	11.03	10.86	10.77	10.69	10.60
50	10.49	10.24	9.98	9.74	9.64	9.63	9.63	9.63	9.62	9.61
60	9.60	9.59	9.57	9.54	9.51	9.48	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

STATION 183X DATE 11 SEPT 80 TIME 0350 LAT 40-42.7N LON 70-27.9W DEPTH(M) 54 SST(C) 19.6



	0	1	2	3	4	5	6	7	8	9
0	-	19.85	19.56	19.56	19.56	19.55	19.55	19.55	19.55	19.55
10	19.54	19.54	19.53	19.53	19.53	19.36	19.14	18.91	18.59	17.96
20	17.55	16.46	14.83	13.83	13.39	13.13	13.03	12.93	12.76	12.58
30	12.32	11.96	11.90	11.83	11.77	11.70	11.63	11.57	11.51	11.44
40	11.42	11.42	11.39	11.36	11.33	11.30	11.27	11.26	11.25	11.25
50	11.23	11.11	10.99	10.87	10.75	10.71	10.67	10.63	-	-
60	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-
130	-	-	-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-

PRODUCTIVITY DATA

T A B L E O F U N I T S

STATION	DATE	TIME	LATITUDE DEG NORTH	LONGITUDE DEG WEST	SURFACE TEMPERATURE CELSIUS	SECCHI DEPTH METERS	SONIC DEPTH METERS
LIGHT DEPTH %	DEPTH METERS	CHLOROPHYLL FLUOROMETRIC UG/L	PHAEOPHYTIN UG/L	CARBON-14 UPTAKE UG/L/HR	PARTICULATE CARBON UG/L	PARTICULATE NITROGEN UG/L	
LIGHT DEPTH %	DEPTH METERS	PHOSPHATE UG-AT/L	SILICATE UG-AT/L	NITRATE UG-AT/L	NITRITE UG-AT/L	AMMONIUM UG-AT/L	
LIGHT DEPTH %	DEPTH METERS	NITRATE UPTAKE VLCTY PER HOUR	AMMONIUM UPTAKE VLCTY PER HOUR	RHO NITRATE UG-AT/L/HR	RHO AMMONIUM UG-AT/L/HR	DNA UG/L	

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
2	23 AUG 80	11:00:00	40 30.0 N	70 29.0 W	18.0	-	74

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.25	0.10	0.95	23	4.7
50.00	3.0	0.30	0.12	1.07	-	-
30.00	7.0	0.13	0.03	0.43	-	-
15.00	10.0	0.26	0.06	0.30	46	12.5
5.00	15.0	0.36	0.11	0.09	159	20.0
1.00	22.0	0.56	0.16	0.21	158	27.6

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.20	0.57	0.10	0.04	0.05
50.00	3.0	0.16	0.56	0.13	0.02	0.35
30.00	7.0	0.11	0.55	0.10	0.01	0.02
15.00	10.0	0.11	0.56	0.10	0.02	0.12
5.00	15.0	0.12	0.45	0.09	0.01	0.04
1.00	22.0	0.12	0.90	0.09	0.02	0.01

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
2	23 AUG 80	11:00:00	40 30.0 N	70 29.0 W	18.0	-	74

LIGHT DEPTH	DEPTH	NITRATE UPTAKE VLCTY	AMMONIUM UPTAKE VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0008	0.0013	0.0007	0.0012	4.09
50.00	3.0	0.0015	0.0061	0.0017	0.0068	-
30.00	7.0	0.0039	0.0038	0.0042	0.0041	-
15.00	10.0	0.0026	0.0047	0.0023	0.0042	-
5.00	15.0	0.0034	0.0063	0.0049	0.0090	-
1.00	22.0	0.0011	0.0028	0.0021	0.0056	-

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
5	24 AUG 80	09:00:00	40 31.7 N	70 30.2 W	18.0	-	67

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.13	0.05	0.38	213	26.3
50.00	6.0	0.05	0.05	0.66	119	15.9
30.00	10.0	0.27	0.10	0.86	104	22.1
15.00	16.0	0.34	0.11	0.95	161	20.9
5.00	25.0	1.50	0.45	0.55	240	32.6
1.00	40.0	0.61	0.31	0.08	90	17.5

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.16	1.12	0.09	0.03	0.18
50.00	6.0	0.12	1.07	0.04	0.02	0.01
30.00	10.0	0.12	1.08	0.04	0.03	0.03
15.00	16.0	0.12	1.14	0.03	0.03	0.06
5.00	25.0	0.43	2.97	2.43	0.26	0.10
1.00	40.0	0.76	6.44	8.63	0.09	0.05

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
5	24 AUG 80	09:00:00	40 31.7 N	70 30.2 W	18.0	-	67

LIGHT DEPTH	DEPTH	NITRATE UPTAKE VLCTY	AMMONIUM UPTAKE VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0028	0.0140	0.0033	0.0162	-
50.00	6.0	0.0034	0.0078	0.0039	0.0088	-
30.00	10.0	0.0043	0.0062	0.0054	0.0079	-
15.00	16.0	0.0015	0.0079	0.0022	0.0118	-
5.00	25.0	0.0128	0.0034	0.0299	0.0079	-
1.00	40.0	0.0130	0.0011	0.0162	0.0014	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
9	25 AUG 80	09:00:00	40 31.8 N	70 29.6 W	18.0	-	68

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.17	0.02	0.47	55	5.8
50.00	8.0	0.17	0.03	0.53	81	13.3
30.00	14.0	0.17	0.05	0.70	103	10.0
15.00	22.0	0.80	0.22	1.70	184	26.7
5.00	34.0	0.72	0.34	0.39	25	9.2
1.00	53.0	0.79	0.31	0.17	65	20.5

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.11	0.91	0.16	0.03	0.16
50.00	8.0	0.04	0.84	0.04	0.02	0.02
30.00	14.0	0.02	0.84	0.03	0.01	0.00
15.00	22.0	0.04	1.43	0.03	0.02	0.01
5.00	34.0	0.66	6.76	6.99	0.27	0.05
1.00	53.0	0.75	9.06	8.36	0.19	0.01

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
9	25 AUG 80	09:00:00	40 31.8 N	70 29.6 W	18.0	-	68

LIGHT DEPTH	DEPTH	NITRATE UPTAKE	VLCTY	AMMONIUM UPTAKE	VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	-	-	-	-	-	-	2.28
50.00	8.0	-	-	-	-	-	-	-
30.00	14.0	-	-	-	-	-	-	-
15.00	22.0	-	-	-	-	-	-	8.75
5.00	34.0	-	-	-	-	-	-	-
1.00	53.0	-	-	-	-	-	-	-

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
10	26 AUG 80	09:00:00	40 16.4 N	71 54.0 W	22.0	17	70

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.37	0.17	0.28	115	20.9
50.00	7.0	0.30	0.04	0.49	33	6.2
30.00	12.0	0.27	0.08	0.52	87	16.7
15.00	20.0	1.21	0.32	1.20	26	2.5
5.00	33.0	1.31	0.26	0.63	181	25.0
1.00	50.0	0.57	0.31	0.07	62	13.3

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.15	0.31	0.13	0.04	0.12
50.00	7.0	0.08	0.18	0.04	0.07	0.60
30.00	12.0	0.09	0.06	0.02	0.03	0.06
15.00	20.0	0.15	0.35	0.00	0.03	0.01
5.00	33.0	0.55	3.41	3.56	0.11	0.01
1.00	50.0	0.86	11.44	10.51	0.08	0.01

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
10	26 AUG 80	09:00:00	40 16.4 N	71 54.0 W	22.0	17	70

LIGHT DEPTH	DEPTH	NITRATE UPTAKE VLCTY	AMMONIUM UPTAKE VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0070	0.0081	0.0105	0.0121	-
50.00	7.0	0.0038	0.0084	0.0045	0.0100	-
30.00	12.0	0.0015	0.0050	0.0018	0.0060	-
15.00	20.0	0.0028	0.0015	0.0047	0.0025	-
5.00	33.0	0.0092	0.0033	0.0163	0.0058	-
1.00	50.0	0.0209	0.0021	0.0198	0.0020	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
16	27 AUG 80	09:00:00	40 15.2 N	71 53.8 W	21.6	15	70

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.24	0.07	0.67	28	7.1
50.00	7.0	0.11	0.03	1.00	140	7.9
30.00	12.0	0.20	0.06	0.84	76	7.9
15.00	19.0	0.98	0.54	1.03	254	35.5
5.00	30.0	1.16	0.33	0.27	140	17.5
1.00	45.0	0.17	0.15	0.02	55	5.4

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.30	0.08	0.07	0.04	0.03
50.00	7.0	0.17	0.03	0.03	0.02	0.01
30.00	12.0	0.13	0.02	0.03	0.02	0.01
15.00	19.0	0.18	0.22	0.01	0.02	0.01
5.00	30.0	0.58	5.84	4.25	0.17	0.00
1.00	45.0	0.90	13.90	10.25	0.04	0.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
16	27 AUG 80	09:00:00	40 15.2 N	71 53.8 W	21.6	15	70

LIGHT DEPTH	DEPTH	NITRATE UPTAKE VLCTY	AMMONIUM UPTAKE VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0057	0.0048	0.0069	0.0058	-
50.00	7.0	0.0052	0.0059	0.0061	0.0070	-
30.00	12.0	0.0040	0.0084	0.0047	0.0100	-
15.00	19.0	0.0036	0.0042	0.0063	0.0074	-
5.00	30.0	0.0094	0.0009	0.0177	0.0017	-
1.00	45.0	0.0109	0.0015	0.0127	0.0017	-

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
20	28 AUG 80	09:00:00	40 13.9 N	71 56.7 W	22.0	15	70

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.19	0.07	0.76	150	25.0
50.00	7.0	0.10	0.57	1.12	46	1.7
30.00	12.0	0.30	0.04	0.80	82	11.7
15.00	19.0	0.81	0.42	0.71	61	7.5
5.00	30.0	1.11	0.26	0.54	180	22.5
1.00	45.0	0.13	0.20	0.03	120	26.7
0.10	60.0	0.13	0.09	-	78	18.3

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.19	0.30	0.01	0.09	0.03
50.00	7.0	0.11	0.19	0.04	0.01	0.01
30.00	12.0	0.06	0.22	0.03	0.01	0.01
15.00	19.0	0.11	0.13	0.02	0.01	0.02
5.00	30.0	0.54	5.82	3.69	0.11	0.01
1.00	45.0	0.82	13.35	9.58	0.02	0.01
0.10	60.0	0.87	14.68	10.77	0.03	0.01

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
20	28 AUG 80	09:00:00	40 13.9 N	71 56.7 W	22.0	15	70

LIGHT DEPTH	DEPTH	NITRATE		AMMONIUM		DNA
		UPTAKE	VLCTY	UPTAKE	VLCTY	
100.00	0.0	-	-	-	-	7.45
50.00	7.0	-	-	-	-	-
30.00	12.0	-	-	-	-	-
15.00	19.0	-	-	-	-	4.24
5.00	30.0	-	-	-	-	12.90
1.00	45.0	-	-	-	-	-
0.10	60.0	-	-	-	-	-

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
33	31 AUG 80	09:00:00	38 46.2 N	74 57.1 W	21.0	2	30

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	2.08	1.67	11.45	538	434.8
50.00*	0.0	-	-	11.37	-	-
30.00*	0.0	-	-	11.41	-	-
15.00	3.0	2.22	1.31	6.67	628	127.6
5.00	6.0	2.55	1.81	1.31	541	62.4
1.00*	6.0	-	-	0.71	-	-

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	-	-	-	-	-
50.00*	0.0	-	-	-	-	-
30.00*	0.0	-	-	-	-	-
15.00	3.0	-	-	-	-	-
5.00	6.0	-	-	-	-	-
1.00*	6.0	-	-	-	-	-

- DATA NOT TAKEN

* INCUBATION LIGHT INTENSITY

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
33	31 AUG 80	09:00:00	38 46.2 N	74 57.1 W	21.0	2	30

LIGHT DEPTH	DEPTH	NITRATE UPTAKE VLCTY	AMMONIUM UPTAKE VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0089	0.0566	-	-	4.30
50.00*	0.0	-	-	-	-	-
30.00*	0.0	-	-	-	-	-
15.00	3.0	0.0047	0.0593	-	-	-
5.00	6.0	0.0074	0.0525	-	-	-
1.00*	6.0	-	-	-	-	-

- DATA NOT TAKEN

* INCUBATION LIGHT INTENSITY

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
42	1 SEP 80	13:00:00	36 59.3 N	75 52.6 W	24.0	5	11

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	3.36	1.24	6.58	273	18.0
15.00	3.0	3.29	1.30	-	211	34.7

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.18	0.94	0.21	0.03	0.00
15.00	3.0	0.26	0.97	0.10	0.01	0.07

LIGHT DEPTH	DEPTH	NITRATE UPTAKE VLCTY	AMMONIUM UPTAKE VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0106	0.0034	-	-	9.05
15.00	3.0	0.0064	0.0050	-	-	-

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
60	3 SEP 80	09:30:00	36 6.4 N	74 54.1 W	25.0	14	78

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.40	0.01	0.21	123	-
50.00	6.0	0.05	0.05	0.24	65	-
30.00	11.0	0.23	0.11	0.69	93	-
15.00	18.0	0.87	0.43	1.15	182	26.8
5.00	27.0	3.10	1.25	1.03	367	46.3
1.00	42.0	6.12	0.78	0.53	579	71.0
0.10	60.0	1.55	0.52	-	39	4.2

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.26	0.56	0.27	0.07	0.04
50.00	6.0	0.18	0.95	0.12	0.02	0.01
30.00	11.0	0.13	1.18	0.08	0.01	0.00
15.00	18.0	0.05	1.76	0.06	0.01	0.04
5.00	27.0	0.21	1.94	0.03	0.04	0.13
1.00	42.0	0.22	3.75	0.19	0.06	0.16
0.10	60.0	-	-	-	-	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
60	3 SEP 80	09:30:00	36 6.4 N	74 54.1 W	25.0	14	78

LIGHT DEPTH	DEPTH	NITRATE UPTAKE	VLCTY	AMMONIUM UPTAKE	VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0037	-	0.0061	-	-	-	-
50.00	6.0	0.0048	-	0.0078	-	-	-	-
30.00	11.0	0.0048	-	0.0076	-	-	-	-
15.00	18.0	0.0024	-	0.0045	-	-	-	-
5.00	27.0	0.0011	-	0.0037	-	-	-	-
1.00	42.0	0.0012	-	0.0058	-	-	-	-
0.10	60.0	-	-	-	-	-	-	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
67	4 SEP 80	09:00:00	35 32.9 N	74 43.3 W	27.0	25	1662

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.25	0.12	1.87	188	8.9
50.00	8.0	0.17	0.06	1.57	86	6.3
30.00	15.0	0.17	0.08	1.33	45	6.3
15.00	25.0	0.71	0.56	0.55	158	18.7
5.00	40.0	0.44	0.28	0.17	60	7.6
1.00	60.0	0.07	0.09	0.02	127	12.3

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.07	0.99	0.23	0.06	0.00
50.00	8.0	0.03	1.01	0.09	0.02	0.01
30.00	15.0	0.01	1.09	0.05	0.00	0.02
15.00	25.0	0.16	3.33	3.23	0.61	0.02
5.00	40.0	0.49	4.88	10.49	0.56	0.01
1.00	60.0	0.73	5.62	14.28	0.07	0.02

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
67	4 SEP 80	09:00:00	35 32.9 N	74 43.3 W	27.0	25	1662

LIGHT DEPTH	DEPTH	NITRATE UPTAKE	VLCTY	AMMONIUM UPTAKE	VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0216		0.0091		0.0137	0.0041	-
50.00	8.0	0.0093		0.0091		0.0042	0.0041	-
30.00	15.0	0.0037		0.0098		0.0017	0.0044	-
15.00	25.0	0.0171		0.0065		0.0228	0.0087	3.11
5.00	40.0	0.0520		0.0010		0.0282	0.0005	-
1.00	60.0	0.0405		0.0011		0.0356	0.0009	-

- DATA NOT TAKEN.

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
76	5 SEP 80	08:30:00	36 32.3 N	74 28.6 W	26.0	27	1925

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.18	0.06	0.92	126	20.4
50.00	10.0	0.09	0.03	0.62	75	12.7
30.00	20.0	0.13	0.03	0.53	79	12.7
15.00	30.0	0.32	0.10	0.44	136	19.1
5.00	50.0	0.50	0.28	0.23	50	8.9
1.00	75.0	0.09	0.07	0.03	55	6.3

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.23	0.74	0.20	0.05	0.02
50.00	10.0	0.16	0.63	0.10	0.01	0.01
30.00	20.0	0.07	0.78	0.07	0.01	0.04
15.00	30.0	0.01	0.62	0.05	0.00	0.00
5.00	50.0	0.22	3.44	5.76	0.11	0.00
1.00	75.0	0.43	4.64	12.07	0.02	0.01

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
76	5 SEP 80	08:30:00	36 32.3 N	74 28.6 W	26.0	27	1925

LIGHT DEPTH	DEPTH	NITRATE UPTAKE	NITRATE VLCTY	AMMONIUM UPTAKE	AMMONIUM VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	-	-	-	-	-	-	-
50.00	10.0	-	-	-	-	-	-	-
30.00	20.0	-	-	-	-	-	-	-
15.00	30.0	-	-	-	-	-	-	-
5.00	50.0	-	-	-	-	-	-	-
1.00	75.0	-	-	-	-	-	-	-

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
86	6 SEP 80	07:30:00	37 3.0 N	74 49.1 W	25.0	26	62

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.11	0.03	1.18	36	3.2
50.00	8.0	0.14	0.05	0.97	63	3.8
30.00	15.0	0.15	0.13	0.57	61	10.1
15.00	25.0	0.61	0.16	0.70	36	2.9
5.00	40.0	1.08	0.61	0.47	59	8.4
1.00	60.0	0.85	0.63	0.24	134	13.5

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.18	0.54	0.33	0.05	0.03
50.00	8.0	0.08	0.46	0.16	0.01	0.05
30.00	15.0	0.01	0.59	0.08	0.01	0.04
15.00	25.0	0.18	2.22	0.02	0.01	0.03
5.00	40.0	0.37	6.01	3.06	0.30	0.14
1.00	60.0	0.42	7.04	5.09	0.31	0.14

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
86	6 SEP 80	07:30:00	37 3.0 N	74 49.1 W	25.0	26	62

LIGHT DEPTH	DEPTH	NITRATE UPTAKE	NITRATE VLCTY	AMMONIUM UPTAKE	AMMONIUM VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	-	-	-	-	-	-	-
50.00	8.0	-	-	-	-	-	-	-
30.00	15.0	-	-	-	-	-	-	-
15.00	25.0	-	-	-	-	-	-	-
5.00	40.0	-	-	-	-	-	-	-
1.00	60.0	-	-	-	-	-	-	-

.....
- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
95	7 SEP 80	08:30:00	37 54.8 N	74 1.3 W	24.0	23	160

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.11	0.04	0.68	94	8.4
50.00	8.0	0.12	0.05	1.03	88	11.0
30.00	15.0	0.15	0.04	0.52	129	13.1
15.00	30.0	0.60	0.18	0.51	167	25.4
5.00	40.0	1.75	0.70	0.64	216	32.1
1.00	60.0	0.19	0.12	0.05	101	10.0

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.11	0.31	0.70	0.03	0.03
50.00	8.0	-	-	-	-	-
30.00	15.0	0.02	1.32	0.06	0.01	0.01
15.00	30.0	0.05	0.24	0.02	0.01	0.03
5.00	40.0	0.36	6.24	3.60	0.12	0.04
1.00	60.0	0.49	7.25	9.51	0.04	0.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
95	7 SEP 80	08:30:00	37 54.8 N	74 1.3 W	24.0	23	160

LIGHT DEPTH	DEPTH	NITRATE UPTAKE	NITRATE VLCTY	AMMONIUM UPTAKE	AMMONIUM VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	-	-	-	-	-	-	-
50.00	8.0	-	-	-	-	-	-	-
30.00	15.0	-	-	-	-	-	-	-
15.00	30.0	-	-	-	-	-	-	-
5.00	40.0	-	-	-	-	-	-	-
1.00	60.0	-	-	-	-	-	-	-

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
107	8 SEP 80	09:30:00	39 54.1 N	73 24.1 W	24.0	17	62

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.28	0.24	0.75	124	14.8
50.00	7.0	0.27	0.00	1.42	84	8.9
30.00	13.0	0.25	0.11	1.27	147	20.3
15.00	25.0	2.89	2.63	2.09	732	101.9
5.00	35.0	0.26	0.97	0.12	189	30.0
1.00	50.0	0.40	0.21	0.05	55	8.5

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.32	0.16	0.26	0.05	0.01
50.00	7.0	0.16	0.10	0.10	0.02	0.01
30.00	13.0	0.22	15.55	4.13	0.33	0.90
15.00	25.0	0.14	0.08	0.14	0.01	0.08
5.00	35.0	0.12	12.50	0.16	0.04	0.51
1.00	50.0	0.19	15.73	3.30	0.34	0.66

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
107	8 SEP 80	09:30:00	39 54.1 N	73 24.1 W	24.0	17	62

LIGHT DEPTH	DEPTH	NITRATE UPTAKE	VLCTY	AMMONIUM UPTAKE	VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0311		0.0082		0.0329	0.0087	-
50.00	7.0	0.0115		0.0084		0.0073	0.0053	-
30.00	13.0	0.0142		0.0047		0.0205	0.0068	-
15.00	25.0	0.0015		0.0006		0.0106	0.0043	-
5.00	35.0	0.0003		0.0022		0.0006	0.0048	-
1.00	50.0	0.0045		0.0059		0.0073	0.0095	-

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
113	9 SEP 80	09:00:00	40 37.7 N	71 2.7 W	21.0	11	65

LIGHT DEPTH	DEPTH	CHLOROPHYLL FLUOROMETRIC	PHAEOPHYTIN	CARBON-14 UPTAKE	PARTICULATE CARBON	PARTICULATE NITROGEN
100.00	0.0	0.27	0.11	0.87	-	-
50.00	5.0	0.38	0.08	1.10	35	4.2
30.00	8.0	0.34	0.11	1.12	113	15.2
15.00	14.0	0.28	0.11	0.77	108	11.8
5.00	20.0	0.39	0.16	0.27	121	17.8
1.00	33.0	0.78	0.48	0.18	152	21.1

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.26	1.31	0.24	0.06	0.01
50.00	5.0	0.18	1.12	0.16	0.03	0.02
30.00	8.0	0.12	0.96	0.11	0.02	0.00
15.00	14.0	0.10	0.97	0.11	0.01	0.94
5.00	20.0	0.10	0.89	0.10	0.01	0.00
1.00	33.0	0.19	1.32	0.23	0.01	0.06

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
113	9 SEP 80	09:00:00	40 37.7 N	71 2.7 W	21.0	11	65

LIGHT DEPTH	DEPTH	NITRATE UPTAKE VLCTY	AMMONIUM UPTAKE VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0132	0.0073	0.0102	0.0056	4.05
50.00	5.0	0.0121	0.0042	0.0036	0.0013	-
30.00	8.0	0.0054	0.0067	0.0058	0.0073	-
15.00	14.0	0.0022	0.0069	0.0019	0.0058	-
5.00	20.0	0.0068	0.0037	0.0087	0.0047	-
1.00	33.0	0.0062	0.0035	0.0094	0.0053	-

.....

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE	SECCHI	SONIC DEPTH
					TEMPERATURE	DEPTH	
125	10 SEP 80	07:20:00	40 7.8 N	69 57.3 W	21.0	13	111

LIGHT DEPTH	DEPTH	CHLOROPHYLL		CARBON-14 UPTAKE	PARTICULATE	PARTICULATE
		FLUOROMETRIC	PHAEOPHYTIN		CARBON	NITROGEN
100.00	0.0	0.18	0.06	0.70	42	2.1
50.00	6.0	0.26	0.08	0.21	33	5.9
30.00	10.0	0.28	0.09	0.15	27	2.9
15.00	17.0	0.26	0.11	0.12	32	2.5
5.00	25.0	0.24	0.08	0.06	22	2.1
1.00	40.0	0.93	0.28	0.00	96	11.8

LIGHT DEPTH	DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM
100.00	0.0	0.00	0.03	0.11	0.03	0.03
50.00	6.0	-	0.27	0.06	0.01	0.02
30.00	10.0	0.00	0.28	0.06	0.01	0.01
15.00	17.0	0.00	0.87	0.04	0.02	0.07
5.00	25.0	0.00	1.40	0.04	0.01	0.01
1.00	40.0	0.00	4.38	6.82	0.17	0.02

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

R/V KNORR PRODUCTIVITY DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE	SURFACE TEMPERATURE	SECCHI DEPTH	SONIC DEPTH
125	10 SEP 80	07:20:00	40 7.8 N	69 57.3 W	21.0	13	111

LIGHT DEPTH	DEPTH	NITRATE UPTAKE VLCTY	AMMONIUM UPTAKE VLCTY	RHO NITRATE	RHO AMMONIUM	DNA
100.00	0.0	0.0038	0.0079	0.0006	0.0012	-
50.00	6.0	0.0024	0.0062	0.0010	0.0026	-
30.00	10.0	0.0009	0.0033	0.0002	0.0007	-
15.00	17.0	0.0005	0.0049	0.0001	0.0009	-
5.00	25.0	0.0017	0.0022	0.0003	0.0003	-
1.00	40.0	0.0063	0.0014	0.0053	0.0012	-

- DATA NOT TAKEN

PHOTOSYNTHETIC CAPACITY

ATLANTIC COASTAL EXPERIMENT - 6 PHOTOSYNTHETIC CAPACITY DATA REPORT

T A B L E O F U N I T S

	LIGHT				
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE
			EDT	DEGREES	DEGREES
	SONIC	SURFACE	SECCHI		
	DEPTH	TEMPERATURE	DEPTH		
	METERS	CENTIGRADE	METERS		
	LIGHT		CARBON-14	FLUOROMETRIC ASSIMILATION	
	DEPTH	DEPTH	UPTAKE	CHLOROPHYLL	NUMBER
	%	METERS	UG/L/HR	UG/L	

ATLANTIC COASTAL EXPERIMENT - 6 PHOTOSYNTHETIC CAPACITY DATA REPORT

LIGHT					
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE
5	1	24 AUG 80	09:00:00	40 31.7 N	70 30.2 W

SONIC	SURFACE	SECCHI
DEPTH	TEMPERATURE	DEPTH
67	18	-

LIGHT		CARBON-14	FLUOROMETRIC ASSIMILATION	
DEPTH	DEPTH	UPTAKE	CHLOROPHYLL	NUMBER
100	0	0.87	0.13	6.69
60	0	0.62	0.13	4.77
35	0	0.39	0.13	3.00
15	0	0.12	0.13	0.92
5	0	0.02	0.13	0.15

ATLANTIC COASTAL EXPERIMENT - 6 PHOTOSYNTHETIC CAPACITY DATA REPORT

LIGHT					
STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE
5	2	24 AUG 80	09:00:00	40 31.7 N	70 30.2 W

SONIC	SURFACE	SECCHI
DEPTH	TEMPERATURE	DEPTH
67	18	-

LIGHT		CARBON-14	FLUOROMETRIC ASSIMILATION	
DEPTH	DEPTH	UPTAKE	CHLOROPHYLL	NUMBER
100	40	0.28	0.61	0.46
60	40	0.29	0.61	0.48
35	40	0.29	0.61	0.48
15	40	0.08	0.61	0.13
5	40	0.08	0.61	0.13

ATLANTIC COASTAL EXPERIMENT - 6 PHOTOSYNTHETIC CAPACITY DATA REPORT

LIGHT

STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE
20	1	28 AUG 80	09:00:00	40 13.9 N	71 56.7 W

SONIC	SURFACE	SECCHI
-------	---------	--------

DEPTH	TEMPERATURE	DEPTH
-------	-------------	-------

70	22	15
----	----	----

LIGHT

CARBON-14 FLUOROMETRIC ASSIMILATION

DEPTH	DEPTH	UPTAKE	CHLOROPHYLL	NUMBER
-------	-------	--------	-------------	--------

100	0	0.99	0.19	7.62
-----	---	------	------	------

60	0	0.55	0.19	2.89
----	---	------	------	------

35	0	0.45	0.19	2.37
----	---	------	------	------

15	0	0.11	0.19	0.58
----	---	------	------	------

5	0	0.02	0.19	0.11
---	---	------	------	------

ATLANTIC COASTAL EXPERIMENT - 6 PHOTOSYNTHETIC CAPACITY DATA REPORT

LIGHT

STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE
20	2	28 AUG 80	09:00:00	40 13.9 N	71 56.7 W

SONIC	SURFACE	SECCHI
DEPTH	TEMPERATURE	DEPTH
70	22	15

LIGHT		CARBON-14	FLUOROMETRIC ASSIMILATION	
DEPTH	DEPTH	UPTAKE	CHLOROPHYLL	NUMBER
100	45	0.17	0.13	1.31
60	45	0.13	0.13	1.00
35	45	0.11	0.13	0.85
15	45	0.06	0.13	0.46
5	45	0.02	0.13	0.15

ATLANTIC COASTAL EXPERIMENT - 6 PHOTOSYNTHETIC CAPACITY DATA REPORT

LIGHT

STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE
86	1	6 SEP 80	07:30:00	37 3.0 N	74 49.1 W

SONIC	SURFACE	SECCHI
-------	---------	--------

DEPTH	TEMPERATURE	DEPTH
-------	-------------	-------

62	25	26
----	----	----

LIGHT

CARBON-14

FLUOROMETRIC ASSIMILATION

DEPTH

DEPTH

UPTAKE

CHLOROPHYLL

NUMBER

100	0	1.11	0.11	10.09
60	0	1.11	0.11	10.09
35	0	0.95	0.11	8.64
15	0	0.55	0.11	5.00
5	0	0.12	0.11	1.09

ATLANTIC COASTAL EXPERIMENT - 6 PHOTOSYNTHETIC CAPACITY DATA REPORT

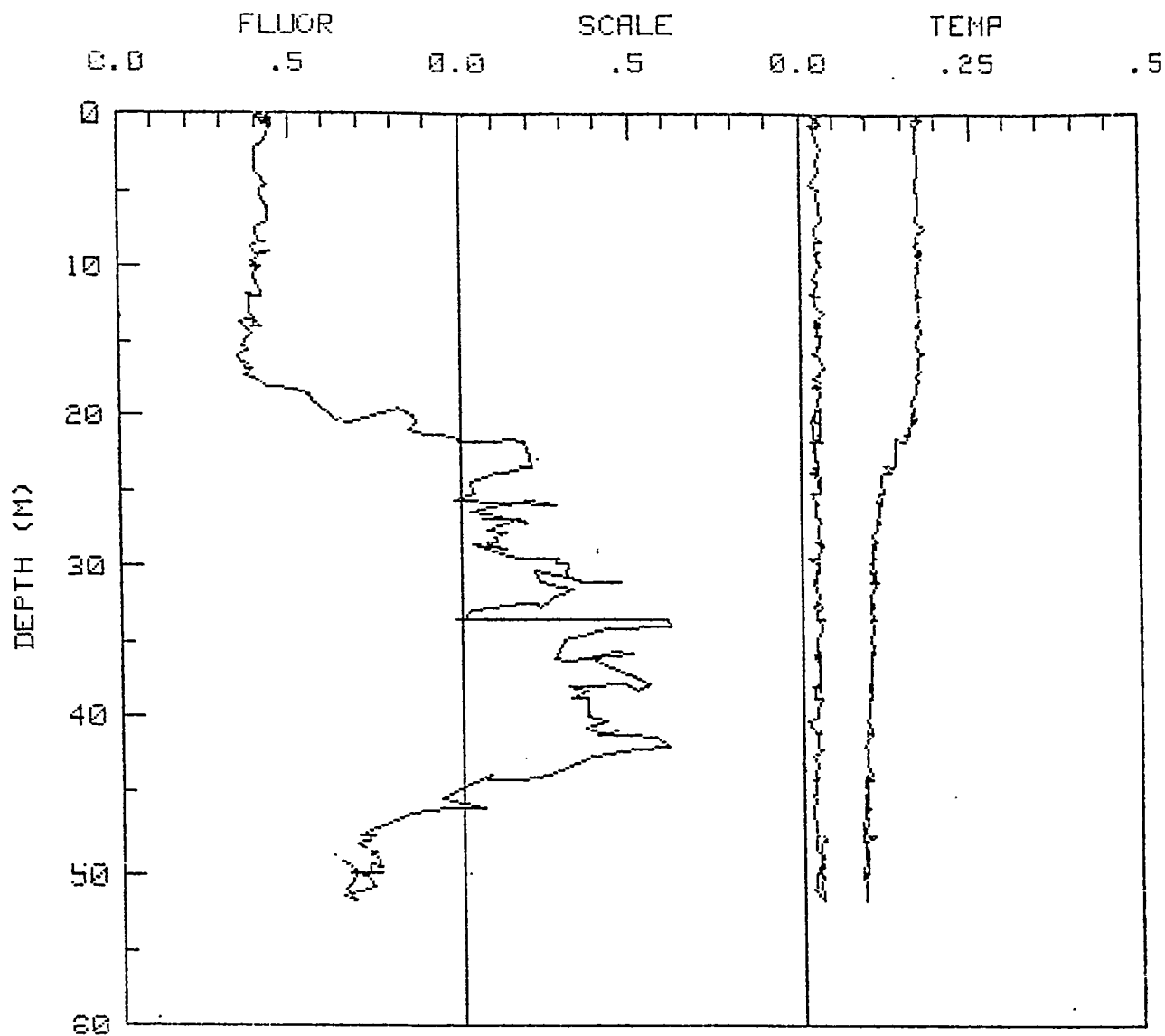
LIGHT

STATION	CURVE	DATE	TIME	LATITUDE	LONGITUDE
86	2	6 SEP 80	07:30:00	37 3.0 N	74 49.1 W

SONIC	SURFACE	SECCHI
DEPTH	TEMPERATURE	DEPTH
62	25	26

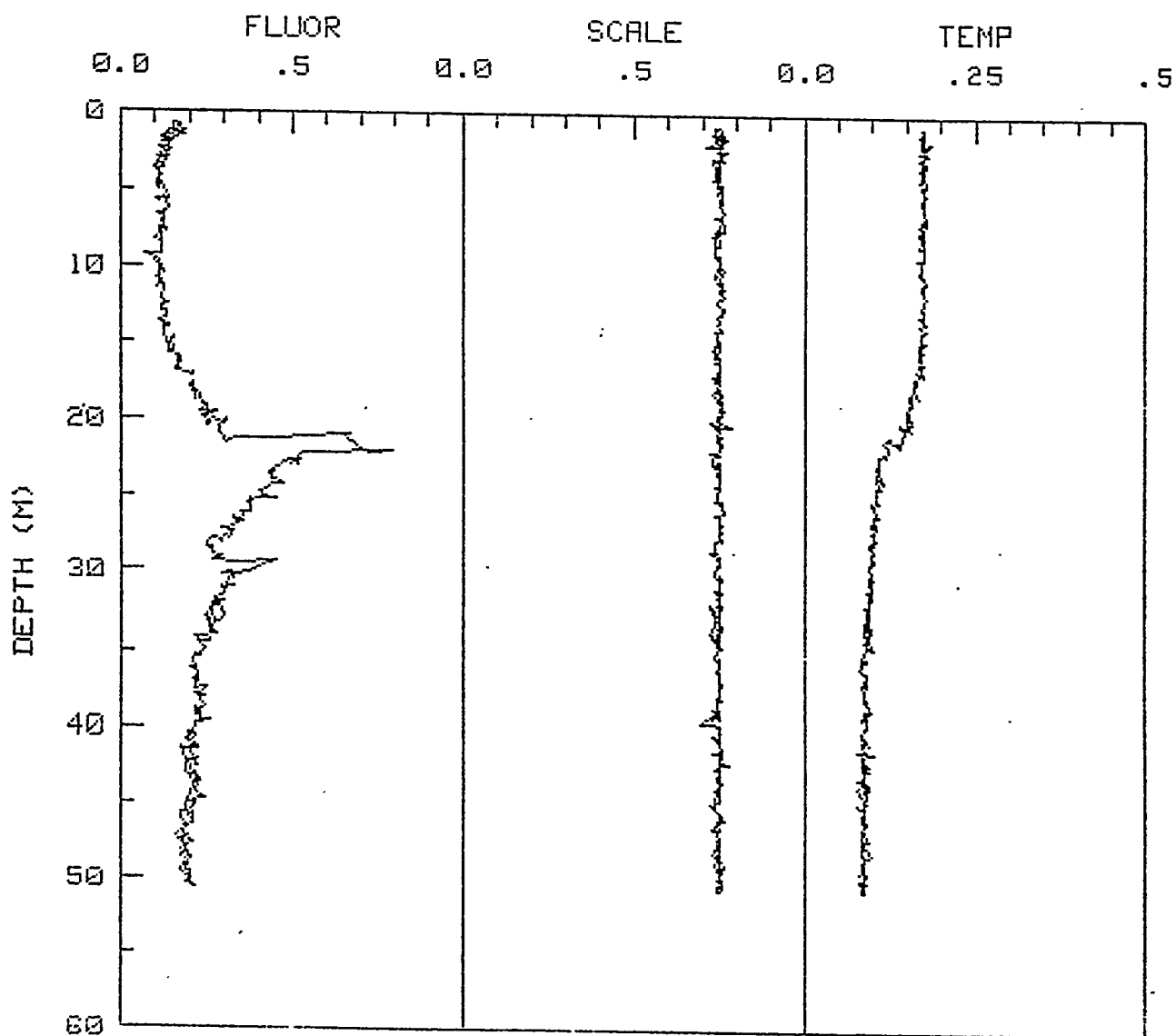
LIGHT		CARBON-14	FLUOROMETRIC ASSIMILATION	
DEPTH	DEPTH	UPTAKE	CHLOROPHYLL	NUMBER
100	25	0.82	0.61	1.34
60	25	0.73	0.61	1.20
35	25	1.08	0.61	1.77
15	25	0.72	0.61	1.18
5	25	0.52	0.61	0.85

FTD DATA

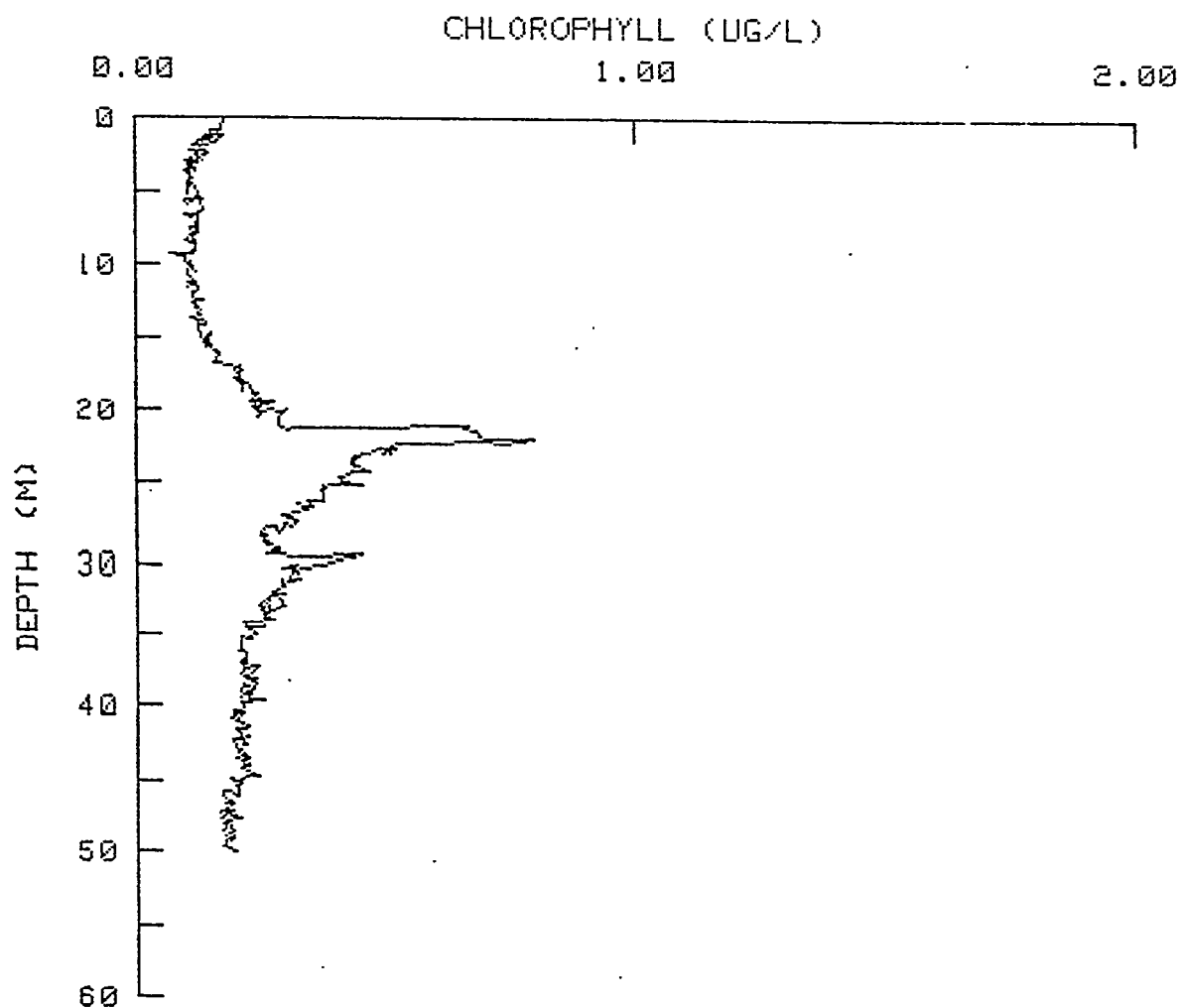


KNORR STATION 003

REC	TIME	FLUOR	SCALE	TEMP	DEPTH
10	2323 2312	.408	1.055	.182	.002
20	2323 2322	.440	1.043	.177	.002
30	2323 2332	.420	1.055	.173	.049
40	2323 2342	.386	1.048	.172	.088
50	2323 2352	.408	1.050	.176	.103
60	2323 2402	.388	1.045	.177	.120
70	2323 2412	.376	1.043	.175	.134
80	2323 2422	.366	1.072	.175	.168
90	2323 2432	.562	1.050	.166	.190
100	2323 2442	.940	1.050	.155	.212
110	2323 2452	1.206	1.050	.134	.234
120	2323 2502	1.040	1.033	.116	.252
130	2323 2512	1.167	1.060	.114	.269
140	2323 2522	1.143	1.050	.106	.293
150	2323 2532	1.214	1.050	.103	.303
160	2323 2542	.979	1.057	.109	.335
170	2323 2552	1.448	1.053	.101	.357
180	2323 2602	1.368	1.057	.098	.388
190	2323 2612	1.607	1.045	.092	.420
200	2323 2622	.938	1.050	.095	.454
210	2323 2632	.723	1.065	.093	.481



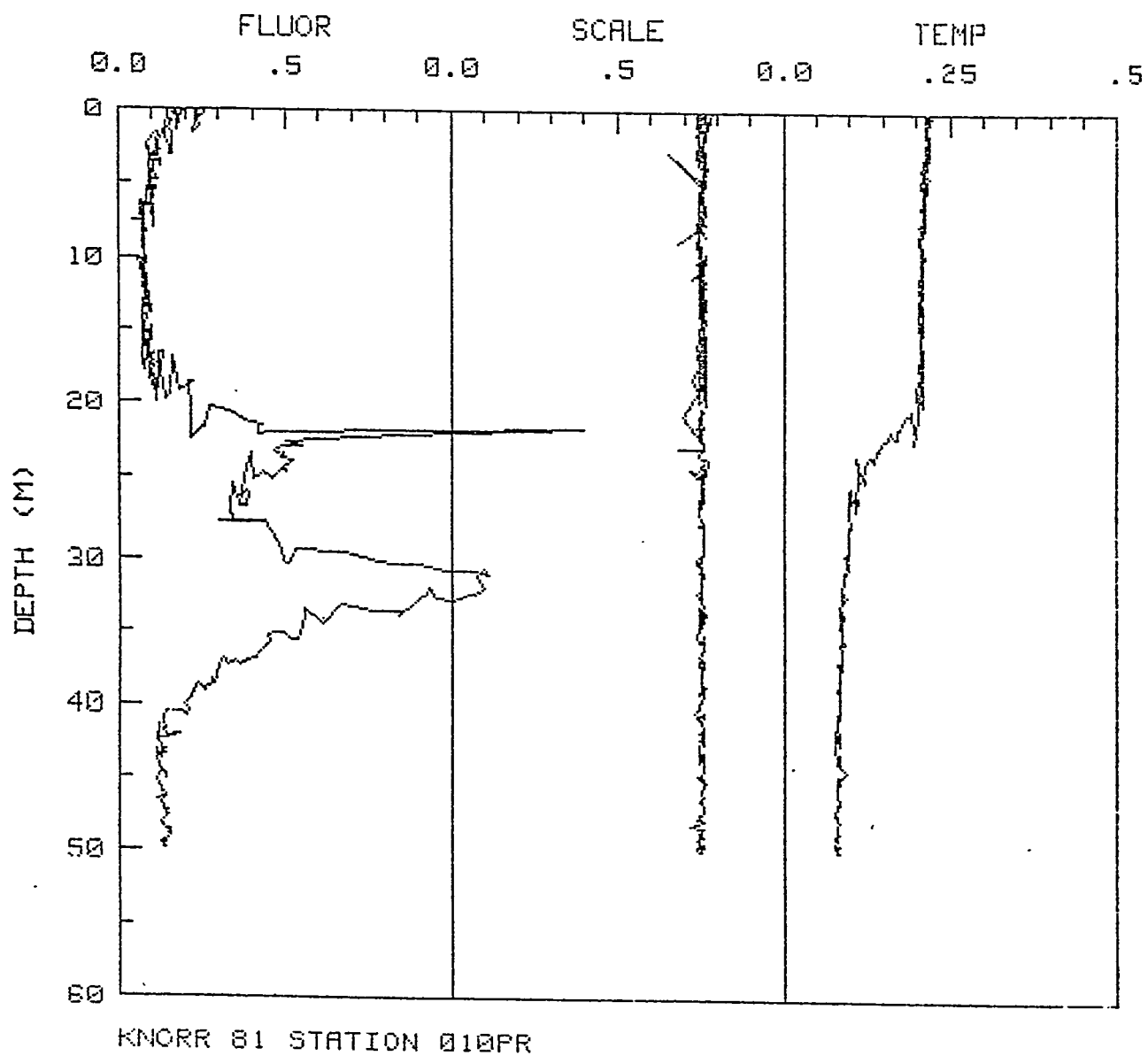
KN 005 PR



KNORR STATION 5

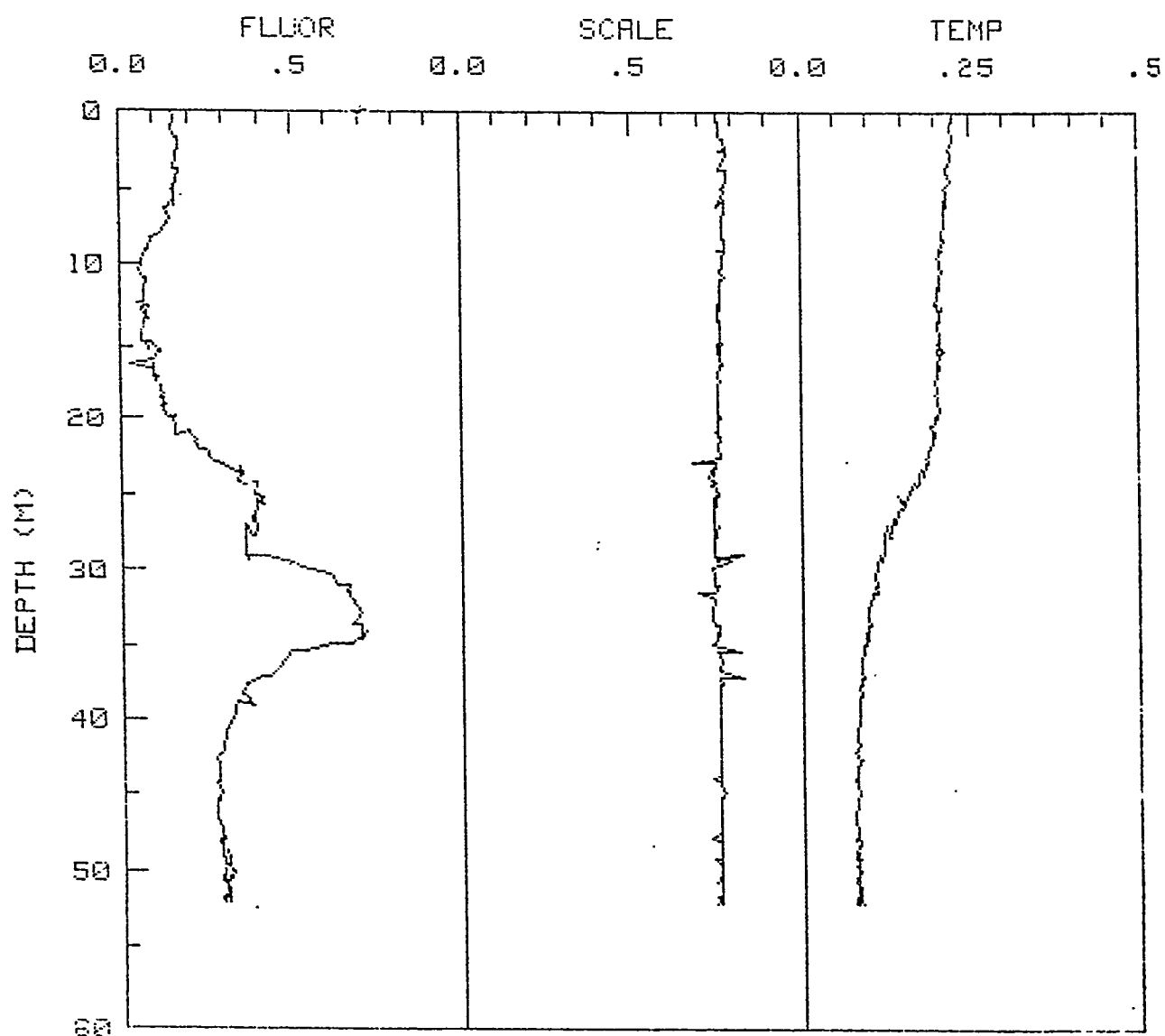
KNORR 81 Station 005

REC	TIME	FLUOR	SCALE	TEMP	DEPTH
10	2408 2526	.154	.735	.174	.010
20	2408 2536	.129	.755	.172	.017
30	2408 2546	.117	.757	.174	.022
40	2408 2556	.132	.762	.175	.027
50	2408 2606	.122	.752	.177	.032
60	2408 2616	.112	.735	.173	.032
70	2408 2626	.105	.752	.171	.034
80	2408 2636	.120	.762	.175	.046
90	2408 2646	.139	.769	.174	.063
100	2408 2656	.122	.767	.175	.076
110	2408 2706	.112	.745	.169	.076
120	2408 2716	.107	.752	.174	.093
130	2408 2726	.107	.745	.177	.107
140	2408 2736	.127	.764	.173	.117
150	2408 2746	.120	.762	.175	.129
160	2408 2756	.134	.759	.175	.142
170	2408 2806	.154	.747	.173	.149
180	2408 2816	.166	.750	.170	.161
190	2408 2826	.208	.752	.162	.171
200	2408 2836	.230	.755	.158	.186
210	2408 2846	.249	.750	.152	.198
220	2408 2856	.303	.750	.139	.215
230	2408 2906	.740	.752	.119	.222
240	2408 2916	.484	.750	.110	.227
250	2408 2926	.430	.750	.105	.244
260	2408 2936	.376	.737	.107	.261
270	2408 2946	.305	.750	.102	.271
280	2408 2956	.249	.737	.103	.283
290	2408 3006	.339	.750	.095	.295
300	2408 3016	.308	.750	.099	.310
310	2408 3026	.288	.759	.090	.320
320	2408 3036	.271	.728	.093	.320
330	2408 3046	.254	.742	.090	.344
340	2408 3056	.227	.745	.090	.354
350	2408 3106	.212	.750	.093	.371
360	2408 3116	.239	.745	.091	.381
370	2408 3126	.230	.752	.087	.388
380	2408 3136	.193	.737	.087	.403
390	2408 3146	.215	.750	.089	.422
400	2408 3156	.222	.750	.092	.437
410	2408 3206	.220	.737	.091	.447
420	2408 3216	.176	.750	.087	.457
430	2408 3226	.171	.750	.084	.476
440	2408 3236	.193	.757	.089	.486



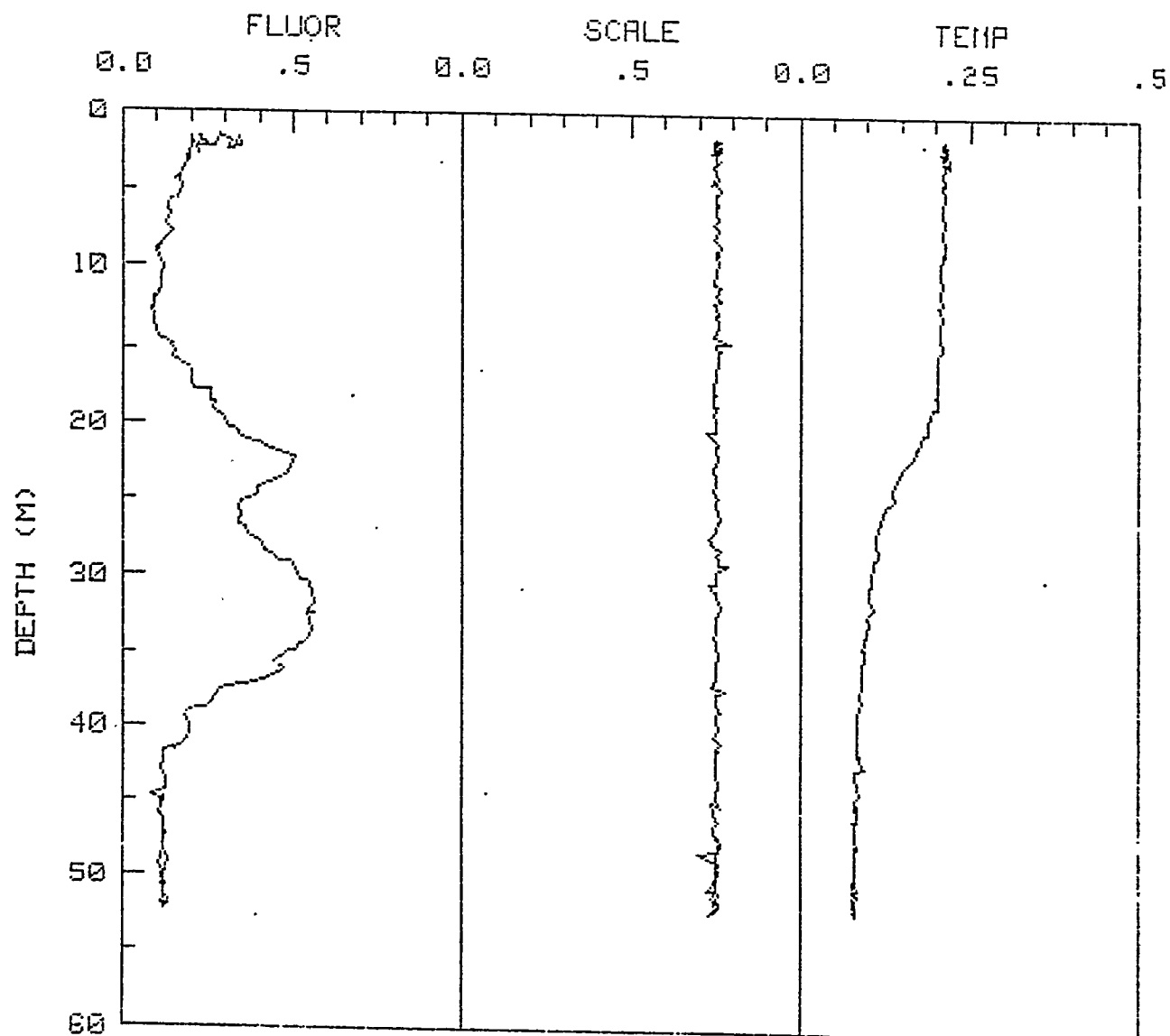
KNORR 81 Station 010 PR

REC	TIME	FLUOR	SCALE	TEMP	DEPTH
10	2608 2644	.181	.745	.217	.007
20	2608 2654	.183	.740	.219	.005
30	2608 2704	.156	.742	.216	.022
40	2608 2714	.122	.767	.214	.039
50	2608 2724	.105	.762	.219	.044
60	2608 2734	.110	.752	.211	.054
70	2608 2744	.061	.764	.207	.063
80	2608 2754	.071	.681	.205	.088
90	2608 2804	.071	.728	.207	.112
100	2608 2814	.083	.747	.208	.127
110	2608 2824	.093	.767	.206	.127
120	2608 2834	.081	.762	.209	.142
130	2608 2844	.071	.767	.207	.176
140	2608 2854	.093	.728	.205	.183
150	2608 2904	.154	.759	.206	.195
160	2608 2914	.308	.759	.191	.205
170	2608 2924	.601	.757	.147	.225
180	2608 2934	.523	.759	.122	.239
190	2608 2944	.361	.745	.109	.269
200	2608 2954	.295	.742	.097	.278
210	2608 3005	.637	.757	.092	.295
220	2608 3015	1.079	.755	.093	.310
230	2608 3025	.882	.757	.086	.332
240	2608 3035	.535	.745	.088	.357
250	2608 3045	.381	.745	.087	.371
260	2608 3055	.266	.752	.086	.388
270	2608 3105	.159	.757	.080	.405
280	2608 3115	.117	.759	.079	.415
290	2608 3125	.120	.759	.095	.444
300	2608 3135	.132	.762	.081	.462
310	2608 3145	.147	.740	.081	.476



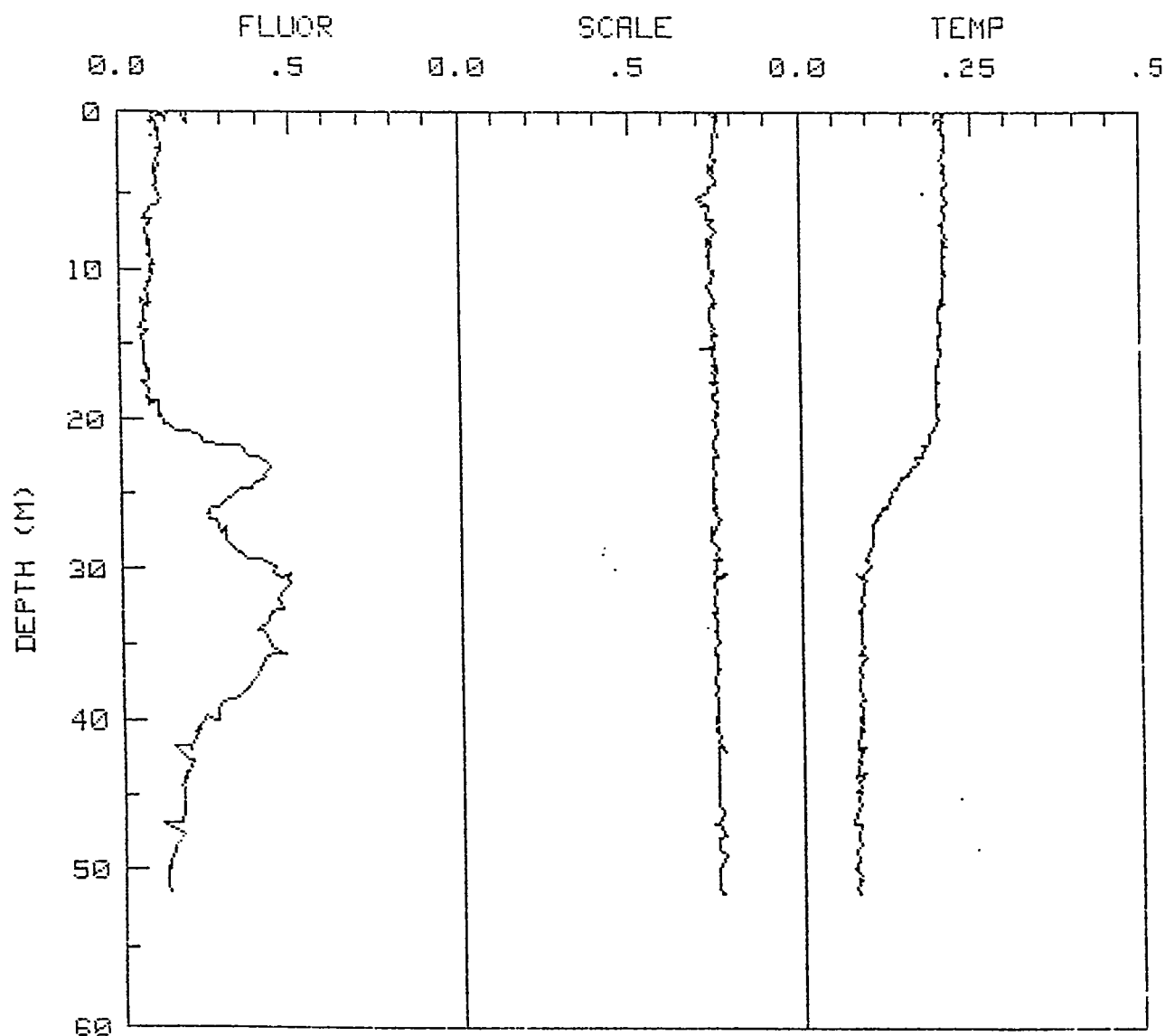
KNOPR S1 STATION 017

REC	TIME	FLUOR	SCALE	TEMP	DEPTH
10	2713 0333	.176	.745	.224	0.000
20	2713 0343	.164	.759	.228	0.000
30	2713 0353	.154	.764	.222	.010
40	2713 0403	.168	.784	.223	.044
50	2713 0413	.134	.772	.212	.076
60	2713 0423	.054	.767	.209	.105
70	2713 0433	.068	.762	.210	.127
80	2713 0443	.117	.764	.203	.154
90	2713 0453	.110	.759	.204	.171
100	2713 0503	.120	.759	.206	.193
110	2713 0513	.195	.752	.199	.210
120	2713 0523	.357	.747	.183	.237
130	2713 0533	.420	.750	.156	.256
140	2713 0543	.379	.745	.131	.276
150	2713 0553	.611	.747	.109	.303
160	2713 0603	.676	.747	.101	.337
170	2713 0613	.432	.828	.092	.371
180	2713 0623	.315	.762	.086	.403
190	2713 0633	.281	.762	.082	.437
200	2713 0643	.283	.759	.080	.471
210	2713 0653	.298	.762	.081	.496



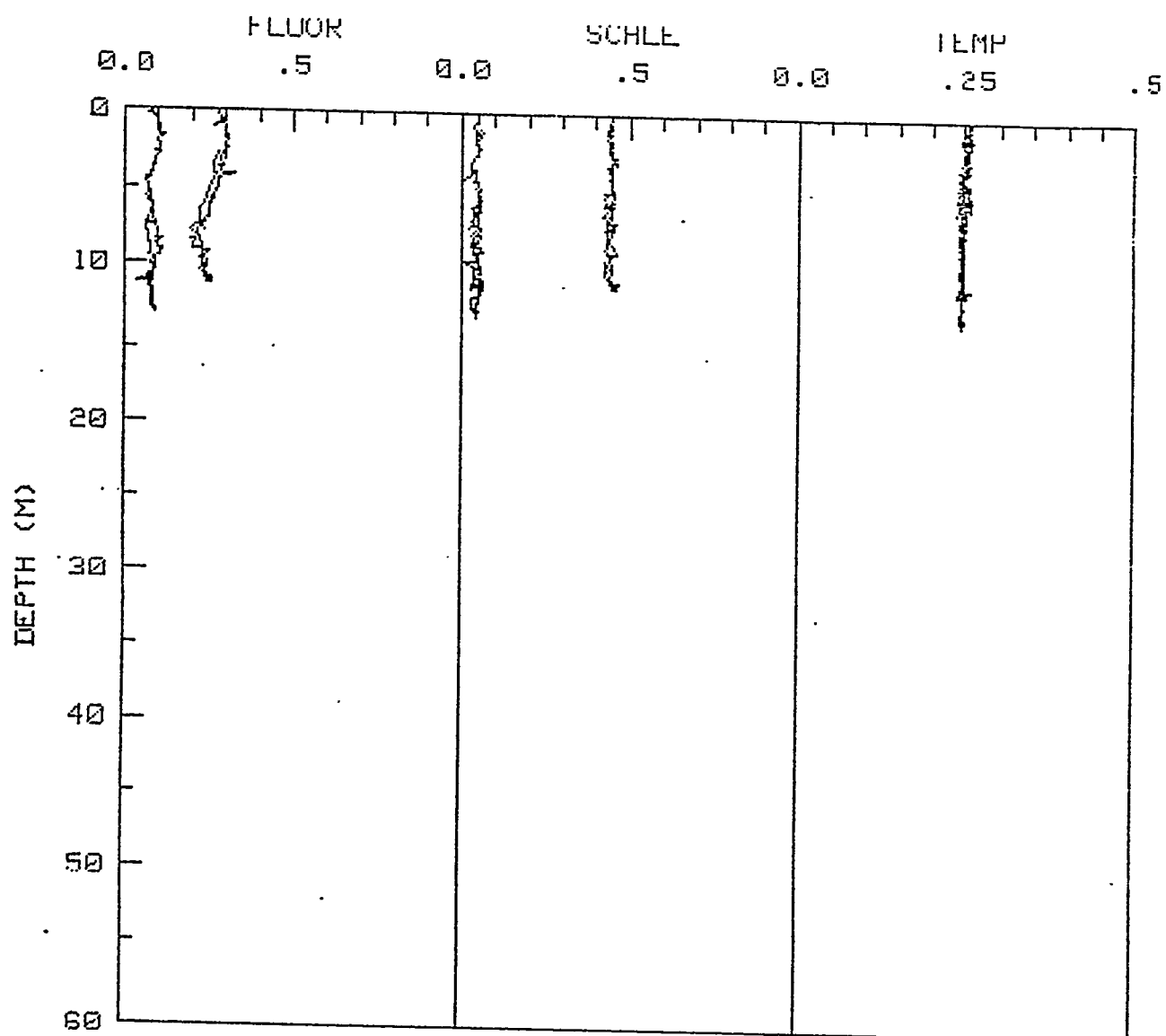
KNORR 81 STATION 020PR

REC	TIME	FLUOR	SCALE	TEMP	DEPTH
10	2808 1018	.242	.747	.212	.022
20	2808 1028	.205	.742	.214	.020
30	2808 1038	.164	.747	.214	.042
40	2808 1048	.127	.762	.210	.073
50	2808 1058	.110	.764	.208	.110
60	2808 1108	.122	.752	.210	.144
70	2808 1118	.237	.752	.199	.178
80	2808 1128	.405	.755	.172	.212
90	2808 1138	.361	.752	.131	.249
100	2808 1149	.440	.757	.109	.286
110	2808 1159	.562	.764	.107	.317
120	2808 1209	.505	.762	.095	.349
130	2808 1219	.239	.764	.085	.388
140	2808 1229	.147	.755	.085	.415
150	2808 1239	.115	.737	.085	.449
160	2808 1249	.115	.696	.083	.484



KNORR 01 STATION 022

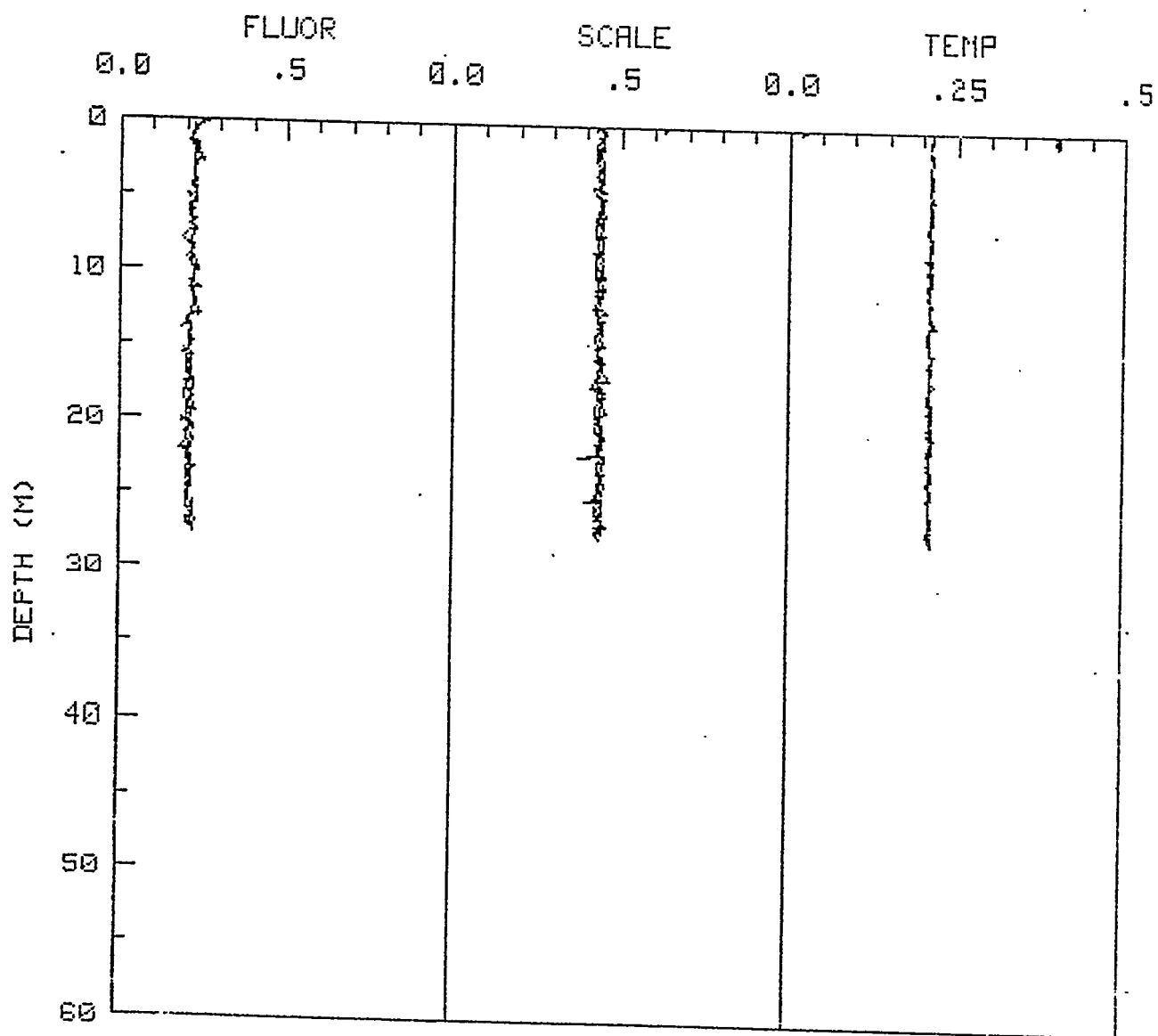
REC	TIME	FLUOR	SCALE	TEMP	DEPTH
10	2820 0350	.144	.762	.211	0.000
20	2820 0400	.122	.759	.209	.002
30	2820 0410	.117	.755	.212	.015
40	2820 0420	.105	.737	.214	.037
50	2820 0430	.071	.730	.212	.068
60	2820 0440	.088	.737	.211	.090
70	2820 0450	.078	.740	.210	.115
80	2820 0500	.066	.740	.205	.134
90	2820 0510	.068	.745	.207	.154
100	2820 0520	.085	.757	.200	.181
110	2820 0530	.127	.755	.199	.203
120	2820 0540	.374	.757	.177	.225
130	2820 0550	.332	.745	.133	.249
140	2820 0600	.305	.740	.105	.271
150	2820 0610	.474	.752	.093	.305
160	2820 0620	.437	.740	.088	.330
170	2820 0630	.418	.750	.087	.361
180	2820 0640	.281	.750	.087	.393
190	2820 0650	.144	.752	.091	.418
200	2820 0700	.171	.750	.082	.452
210	2820 0710	.151	.750	.085	.484



KNORR 81 STATION 26

KNORR 81 Station 26

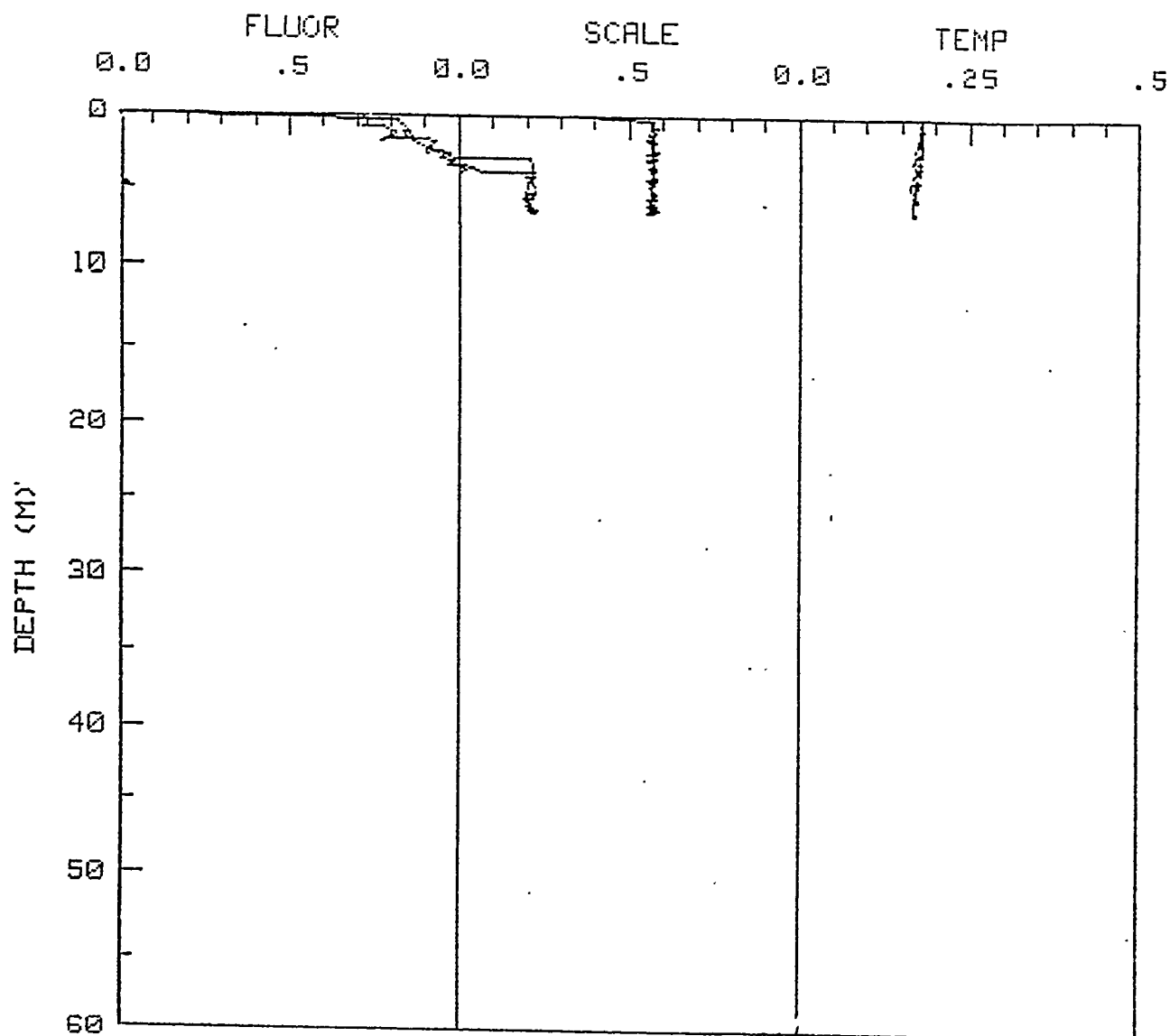
REC	TIME	FLUOR	SCALE	TEMP	DEPTH
10	3010 1417	1.614	1.060	.256	0.000
20	3010 1427	1.612	1.055	.257	0.000
30	3010 1437	1.600	1.053	.252	0.000
40	3010 1447	1.612	1.057	.254	0.000
50	3010 1457	1.617	1.060	.253	.005
60	3010 1507	1.597	1.057	.249	.027
70	3010 1517	1.607	2.481	.249	.042
80	3010 1527	1.614	1.053	.253	.054
90	3010 1537	.115	.046	.244	.066
100	3010 1547	.088	.029	.246	.085
110	3010 1557	.103	.044	.242	.095
120	3010 1607	.073	.054	.238	.107
130	3010 1617	.073	.044	.239	.122
140	3010 1700	.063	.049	.241	.112
150	3010 1710	.078	.044	.239	.103
160	3010 1720	.068	.046	.240	.085
170	3010 1730	.071	.032	.239	.073
180	3010 1740	.081	.039	.242	.061
190	3010 1750	.063	.049	.241	.044
200	3010 1800	.090	.037	.243	.037
210	3010 1810	.100	.044	.247	.020
220	3010 1820	.071	.051	.245	.002
230	3010 1950	.283	.442	.244	.005
240	3010 2000	.300	.435	.245	.015
250	3010 2010	.295	.459	.245	.032
260	3010 2020	.276	.444	.247	.044
270	3010 2030	.256	.444	.243	.061
280	3010 2040	.215	.454	.246	.076
290	3010 2050	.203	.459	.244	.090
300	3010 2100	.234	.447	.240	.107
310	3010 2110	.244	.444	.245	.112
320	3010 2120	.242	.444	.242	.103



KNORR 81 STATION 033PR

KNORR 81 Station 033 PR

REC	TIME	FLUOR	SCALE	TEMP	DEPTH
10	3108 0534	.247	.447	.396	0.000
20	3108 0544	.259	.422	.396	0.000
30	3108 0554	.210	.425	.396	.015
40	3108 0604	.242	.442	.396	.027
50	3108 0614	.232	.452	.211	.049
60	3108 0624	.210	.427	.211	.066
70	3108 0634	.200	.449	.209	.083
80	3108 0644	.237	.454	.212	.103
90	3108 0654	.222	.440	.209	.120
100	3108 0704	.210	.442	.210	.132
110	3108 0714	.203	.435	.211	.156
120	3108 0724	.205	.427	.209	.171
130	3108 0734	.212	.449	.210	.183
140	3108 0744	.212	.427	.216	.205
150	3108 0754	.203	.427	.207	.212
160	3108 0804	.215	.442	.211	.242
170	3108 0814	.217	.427	.212	.259
180	3108 0824	.200	.444	.208	.266
190	3108 0834	.222	.430	.213	.271
200	3108 0844	.210	.435	.210	.252
210	3108 0854	.200	.447	.210	.227
220	3108 0904	.210	.435	.210	.215
230	3108 0914	.205	.430	.207	.198
240	3108 0924	.200	.444	.207	.178
250	3108 0934	.215	.437	.210	.166
260	3108 0944	.208	.432	.211	.154
270	3108 0954	.210	.430	.207	.134
280	3108 1004	.220	.432	.210	.117
290	3108 1014	.222	.432	.209	.100
300	3108 1024	.225	.415	.209	.085
310	3108 1034	.215	.444	.209	.066
320	3108 1044	.230	.449	.213	.056
330	3108 1054	.225	.432	.210	.034
340	3108 1104	.232	.435	.209	.015
350	3108 1114	.239	.447	.215	0.000



KNORR STATION 42

REC	TIME	FLUOR	SCALE	TEMP	DEPTH
10	0112 2113	.764	.552	.177	0.000
20	0112 2123	.635	.574	.178	0.000
30	0112 2133	.706	.584	.180	0.000
40	0112 2143	.723	.576	.180	.007
50	0112 2153	.813	.557	.176	.010
60	0112 2203	.869	.567	.175	.015
70	0112 2213	.943	.574	.176	.022
80	0112 2223	.982	.571	.178	.032
90	0112 2233	1.067	.564	.174	.037
100	0112 2243	1.206	.547	.167	.042
110	0112 2253	1.199	.579	.166	.051
120	0112 2303	1.216	.574	.166	.063
130	0112 2314	1.214	.552	.168	.063
140	0112 2324	1.206	.567	.166	.059
150	0112 2333	1.236	.562	.166	.054
160	0112 2343	1.214	.581	.168	.034
170	0112 2353	.867	.564	.172	.017

PHYTOPLANKTON SPECIES COMPOSITION

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
5	24 AUG 80	09:00:00	40 31.7 N	70 30.2 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
67.0	-	18	40.0	

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	54.09	3640
GYRODINIUM SPIRALE	2.0	12.78	860
PERIDINIUM TROCHOIDEUM	3.0	10.40	700
PROROCENTRUM MICANS	4.0	7.43	500
GYMNODINIUM SP.	5.0	6.84	460
GYMNODINIUM PYGMAEUM	6.0	1.63	110
PERIDINIUM SP.	7.5	1.19	80
COCHLODINIUM SP.	7.5	1.19	80
CERATIUM TRIPOS	9.0	1.04	70
AMPHIDINIUM	10.0	0.74	50
CERATIUM FUSUS	11.5	0.59	40
GYMNODINIUM SPLENDENS	11.5	0.59	40
PROROCENTRUM SP.	13.5	0.30	20
POLYKRIKOS SP.	13.5	0.30	20
PERIDINIUM PELLUCIDUM	17.5	0.15	10
PERIDINIUM STENII	17.5	0.15	10
CERATIUM TRIPOS LONG+SHORT	17.5	0.15	10
COCCOLITHUS SP.	17.5	0.15	10
DISTEPHANUS CRUX	17.5	0.15	10
NAVICULA SP.	17.5	0.15	10
TOTALS	20	100	6730

PERCENT
O F
TOTAL

DIATOM - - - - - 0.15
DINOFLAGELLATE - 45.47
OTHER - - - - - 54.38

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
5	24 AUG 80	09:00:00	40 31.7 N	70 30.2 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
67.0	-	18	40.0

DEPTH
10.0

S P E C I E S	RANK	%	NO/L
GYRODINIUM SP. - - - - -	1.5	33.33	1300
NANNOPLANKTON - - - - -	1.5	33.33	1300
PERIDINIUM TROCHOIDEUM - - - - -	3.0	17.95	700
PROROCENTRUM MICANS - - - - -	4.0	12.82	500
PERIDINIUM SP. - - - - -	5.0	2.56	100
TOTALS	5	100	3900

	PERCENT O F TOTAL
DIATOM - - - - -	0.00
DINOFLAGELLATE -	66.67
OTHER - - - - -	33.33

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
5	24 AUG 80	09:00:00	40 31.7 N	70 30.2 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	67.0	-	18	40.0

DEPTH
16.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	74.55	73340
GYMNODINIUM SP	2.0	9.76	9600
GYRODINIUM SP.	3.0	9.53	9380
AMPHIDIUM	4.0	3.54	3480
PERIDINIUM SP.	5.0	0.72	710
PERIDINIUM TROCHOIDEUM	6.0	0.59	580
GYMNODINIUM PUNCTATUM	7.0	0.26	260
PROROCENTRUM MICANS	8.0	0.24	240
OXYTOXUM SPHAEROIDEUM	9.0	0.22	220
COCCOLITHUS SP.	10.0	0.15	150
GYMNODINIUM PYGMAEUM	11.0	0.11	110
CERATIUM TRIPOS	12.0	0.06	60
GYMNODINIUM SIMPLEX	14.0	0.04	40
COCHLODINIUM SP.	14.0	0.04	40
NITZSCHIA SERIATA	14.0	0.04	40
PERIDINIUM BREVIPIES	16.0	0.03	30
CERATIUM FUSUS	18.5	0.02	20
PERIDINIUM STENII	18.5	0.02	20
OXYTOXUM SP.	18.5	0.02	20
GYRODINIUM PELLUCIDUM	18.5	0.02	20
OXYTOXUM SCOLOPAX	21.5	0.01	10
PROROCENTRUM SP.	21.5	0.01	10
TOTALS	22	100	98380

PERCENT
O F
TOTAL

DIATOM	0.04
DINOFLAGELLATE	25.26
OTHER	74.70

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
5	24 AUG 80	09:00:00	40 31.7 N	70 30.2 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	67.0	-	18	40.0

DEPTH
25.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	32.17	2570
CERATIUM MINUTUM	2.0	23.90	1910
CILIATE	3.5	6.51	520
GYMNODINIUM SP	3.5	6.51	520
DINOPHYSIS ACUTA	5.0	4.88	390
PERIDINIUM TROCHOIDEUM	6.0	4.13	330
CERATIUM TRIPOS	7.0	4.01	320
GYRODINIUM SP.	8.0	3.75	300
PROROCENTRUM MICANS	9.0	2.88	230
AMPHIDINIUM	10.0	2.63	210
PERIDINIUM SP.	11.0	2.13	170
DINOPHYSIS ACUMINATA	12.0	1.38	110
PERIDINIUM DEPRESSUM	13.5	0.63	50
DISTEPHANUS SPECULUM	13.5	0.63	50
EXUVIELLA COMPRESSA	16.0	0.50	40
GYRODINIUM PINGUE	16.0	0.50	40
CERATIUM TRIPOS LONG+SHORT	16.0	0.50	40
PERIDINIUM DIVARICATUM	19.5	0.38	30
GYMNODINIUM SPLENDENS	19.5	0.38	30
CERATIUM FUSUS	19.5	0.38	30
COSCONODISCUS SP.	19.5	0.38	30
DINOPHYSIS OVUM	23.0	0.25	20
PROROCENTRUM SP.	23.0	0.25	20
PERIDINIUM PELLUCIDUM	23.0	0.25	20
DINOPHYSIS SP.	25.0	0.13	10
TOTALS	25	100	7990

PERCENT
O F
TOTAL

DIATOM	0.38
DINOFLAGELLATE	60.33
OTHER	39.30

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
5	24 AUG 80	09:00:00	40 31.7 N	70 30.2 W
	SONIC DEPTH 67.0	SECCHI DEPTH -	SURFACE TEMPERATURE 18	ONE % LIGHT DEPTH 40.0

DEPTH
40.0

S P E C I E S	RANK	%	NO/L
NITZSCHIA SERIATA	1.0	29.07	2160
NANNOPLANKTON	2.0	28.94	2150
NITZSCHIA SP.	3.0	7.40	550
GYRODINIUM SP.	4.0	6.19	460
COSCIINODISCUS SP.	5.5	3.10	230
MELOSIRA MONILIFORMIS	5.5	3.10	230
GYMNODINIUM SP	7.5	2.96	220
AMPHIDINIUM	7.5	2.96	220
THALASSIOSIRA SP.	9.0	2.83	210
NITZSCHIA PUNGENS V. ATLANTICA	10.0	2.02	150
NITZSCHIA DELICATISSIMA	11.0	1.75	130
SCHRODERELLA DELICATULA	12.0	1.35	100
RHIZOSOLENIA SP.	13.0	1.21	90
PERIDINIUM SP.	15.0	1.08	80
GONYAULAX SP.	15.0	1.08	80
NAVICULA SP.	15.0	1.08	80
PLEUROSIGMA SP.	17.0	0.81	60
COSCIINODISCUS OCULUS-IRIDIS	18.5	0.54	40
PERIDINIUM TROCHOIDEUM	18.5	0.54	40
COSCIINODISCUS EXCENTRICUS	21.5	0.40	30
COSCIINODISCUS RADIATUS	21.5	0.40	30
PERIDINIUM STENII	21.5	0.40	30
COSCIINODISCUS CONCINNUS	21.5	0.40	30
BIDDULPHIA RHOMBUS	24.0	0.27	20
COSCIINODISCUS MARGINATUS	25.0	0.13	10
TOTALS	25	100	7430

PERCENT
O F
TOTAL

DIATOM - - - - - 55.85
DINOFLAGELLATE - 15.21
OTHER - - - - - 28.94

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
9	25 AUG 80	09:00:00	40 31.8 N	70 29.6 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	68.0	-	18	53.0
DEPTH	0.0			

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	79.62	20080
CILIATE	2.0	4.60	1160
GYMNODINIUM SP.	3.0	3.57	900
GYRODINIUM SP.	4.0	2.06	520
PROROCENTRUM MICANS	5.0	1.98	500
RHIZOSOLENIA SP.	6.0	1.27	320
AMPHIDINIUM	7.0	1.23	310
NITZSCHIA SERIATA	8.0	0.95	240
PERIDINIUM TROCHOIDEUM	9.0	0.75	190
NITZSCHIA SP.	10.0	0.63	160
GYMNODINIUM PYGMAEUM	11.0	0.59	150
PERIDINIUM SP.	12.0	0.56	140
EXUVIELLA SP.	13.0	0.40	100
CERATIUM TRIPOS	14.5	0.36	90
NITZSCHIA DELICATISSIMA	14.5	0.36	90
EXUVIELLA PERFORATA	16.0	0.24	60
GYRODINIUM SPIRALE	17.0	0.20	50
PROROCENTRUM SP.	18.0	0.16	40
POLYKRIKOS SP.	19.0	0.12	30
CERATIUM FUSUS	21.0	0.08	20
EXUVIELLA APORA	21.0	0.08	20
COSCIINODISCUS LINEATUS	21.0	0.08	20
THALASSIOTHRIX SP.	24.0	0.04	10
COCCOLITHUS SP.	24.0	0.04	10
EXUVIELLA COMPRESSA	24.0	0.04	10
TOTALS	25	100	25220

 PERCENT
OF
TOTAL

DIATOM	3.33
DINOFLAGELLATE	12.41
OTHER	84.26

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
9	25 AUG 80	09:00:00	40 31.8 N	70 29.6 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
68.0	-	18	53.0

DEPTH
8.0

S P E C I E S	RANK	%	NO/L
GYMNODINIUM SP	1.0	27.68	310
GYRODINIUM SP.	2.0	15.18	170
AMPHIDINIUM	3.0	12.50	140
GYMNODINIUM PYGMAEUM	4.5	8.04	90
CILIATE	4.5	8.04	90
NITZSCHIA SP.	6.0	4.46	50
PERIDINIUM SP.	8.0	3.57	40
NITZSCHIA SERIATA	8.0	3.57	40
RHIZOSOLENIA SP.	8.0	3.57	40
NITZSCHIA DELICATISSIMA	10.5	2.68	30
NITZSCHIA PUNGENS V. ATLANTICA	10.5	2.68	30
NAVICULA SP.	13.0	1.79	20
PROROCENTRUM MICANS	13.0	1.79	20
EXUVIELLA PERFORATA	13.0	1.79	20
GYRODINIUM SPIRALE	16.0	0.89	10
NANNOPLANKTON	16.0	0.89	10
EXUVIELLA SP.	16.0	0.89	10
TOTALS	17	100	1120

PERCENT
O F
TOTAL

DIATOM	18.75
DINOFLAGELLATE	72.32
OTHER	8.93

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
9	25 AUG 80	09:00:00	40 31.8 N	70 29.6 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	68.0	-	18	53.0

DEPTH
14.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	78.00	14640
GYMNODINIUM SP	2.0	3.89	730
GYRODINIUM SP.	3.0	3.46	650
CILIATE	4.0	2.56	480
AMPHIDIUM	5.0	2.34	440
RHIZOLENIA SP.	6.0	1.55	290
GYMNODINIUM PYGMAEUM	7.0	1.39	260
PERIDINIUM SP.	8.0	1.23	230
PROROCENTRUM MICANS	9.0	0.80	150
COCHLODINIUM SP.	10.0	0.59	110
PERIDINIUM STENII	11.0	0.53	100
GYRODINIUM SPIRALE	12.5	0.43	80
NITZSCHIA SERIATA	12.5	0.43	80
NITZSCHIA DELICATISSIMA	14.0	0.37	70
ESODINIUM RUBRUM	16.0	0.27	50
GYMNODINIUM SPLENDENS	16.0	0.27	50
OXYTOXUM SPHAEROIDEUM	16.0	0.27	50
EXUVIELLA SP.	19.0	0.21	40
EXUVIELLA PERFORATA	19.0	0.21	40
CERATIUM TRIPOS	19.0	0.21	40
CHAETOCEROS SP.	21.0	0.16	30
POLYKRIKOS SP.	23.5	0.11	20
PERIDINIUM TRIQUETA	23.5	0.11	20
PERIDINIUM TROCHOIDEUM	23.5	0.11	20
OXYTOXUM SP.	23.5	0.11	20
PERIDINIUM DEPRESSUM	29.5	0.05	10
COSCIINODISCUS LINEATUS	29.5	0.05	10
NITZSCHIA SP.	29.5	0.05	10
DINOPHYSIS ACUMINATA	29.5	0.05	10
OXYTOXUM GLADIOLUS	29.5	0.05	10
COSCIINODISCUS OCLUS-IRIDIS	29.5	0.05	10
PERIDINIUM ROTUNDUM	29.5	0.05	10
COCCOLITHUS SP.	29.5	0.05	10
TOTALS	33	100	18770

PERCENT
OF
TOTAL

DIATOM	2.66
DINOFLAGELLATE	16.46
OTHER	80.87

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
9	25 AUG 80	09:00:00	40 31.8 N	70 29.6 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	68.0	-	18	53.0
DEPTH				
22.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	-36.34	20090
GYMNODINIUM PYGMAEUM	2.0	-10.83	5990
CERATIUM MINUTUM	3.0	-10.38	5740
GYMNODINIUM SP.	4.0	-5.68	3140
PERIDINIUM TROCHOIDEUM	5.0	-4.52	2500
GYRODINIUM SP.	6.0	-2.84	1570
CILIATE	7.0	-2.60	1440
PERIDINIUM TRIQUETA	8.0	-1.70	940
PERIDINIUM SP.	9.0	-1.18	650
GYRODINIUM SPIRALE	10.0	-0.98	540
PERIDINIUM DEPRESSUM	11.0	-0.31	170
COCHLODINIUM SP.	12.0	-0.24	130
CERATIUM TRIPOS	13.0	-0.20	110
DINOPHYSIS ACUTA	14.0	-0.18	100
GYMNODINIUM SPLENDENS	15.0	-0.14	80
DINOPHYSIS ACUMINATA	16.0	-0.13	70
CERATIUM TRIPOS LONG+SHORT	18.5	-0.11	60
EXUVIELLA SP.	18.5	-0.11	60
COCCOLITHUS SP.	18.5	-0.11	60
OXYTOXUM SPHAEROIDEUM	18.5	-0.11	60
PROROCENTRUM MICANS	21.0	-0.09	50
CERATIUM FUSUS	22.5	-0.07	40
PROROCENTRUM SP.	22.5	-0.07	40
NITZSCHIA SP.	24.0	-0.05	30
PHALACROMA SP.	25.0	-0.04	20
PODOLAMPAS PALMIPES	27.0	-0.02	10
DISTEPHANUS SPECULUM	27.0	-0.02	10
COSCINODISCUS SP.	27.0	-0.02	10
AMPHIDINIUM	33.5	17.91	-9900
CERATIUM TRIPOS	33.5	17.91	-9900
EXUVIELLA SP.	33.5	17.91	-9900
COCHLODINIUM SP.	33.5	17.91	-9900
GYMNODINIUM SP.	33.5	17.91	-9900
GYMNODINIUM PYGMAEUM	33.5	17.91	-9900
GYMNODINIUM SPLENDENS	33.5	17.91	-9900
GYRODINIUM SP.	33.5	17.91	-9900
OXYTOXUM SP.	33.5	17.91	-9900
OXYTOXUM SPHAEROIDEUM	33.5	17.91	-9900
TOTALS	38	100	-55290

PERCENT
O F
TOTAL

DIATOM - - - - - -0.07
DINOFLAGELLATE - 139.14
OTHER - - - - - -39.07

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
9	25 AUG 80	09:00:00	40 31.8 N	70 29.6 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
68.0	-	18	53.0

DEPTH
34.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	-16.80	12900
NITZSCHIA SERIATA	2.0	-3.91	3000
MELOSIRA SULCATA	3.0	-1.56	1200
GYMNODINIUM SP.	4.0	-1.17	900
THALASSIOSIRA SP.	5.0	-0.91	700
CERATIUM MINUTUM	6.5	-0.65	500
PERIDINIUM TROCHOIDEUM	6.5	-0.65	500
CILIATE	8.5	-0.52	400
NITZSCHIA DELICATISSIMA	8.5	-0.52	400
GYMNODINIUM PYGMAEUM	11.0	-0.39	300
COCCOLITHUS SP.	11.0	-0.39	300
GYRODINIUM SP.	11.0	-0.39	300
PERIDINIUM SP.	13.0	-0.26	200
NAVICULA SP.	16.5	-0.13	100
PROROCENTRUM MICANS	16.5	-0.13	100
DINOPHYSIS ACUTA	16.5	-0.13	100
NITZSCHIA PUNGENS V. ATLANTICA	16.5	-0.13	100
AMPHIDINIUM	16.5	-0.13	100
PERIDINIUM STENII	16.5	-0.13	100
AMPHIDINIUM	24.5	12.89	-9900
EXUVIELLA SP.	24.5	12.89	-9900
EXUVIELLA PERFORATA	24.5	12.89	-9900
GYMNODINIUM SP.	24.5	12.89	-9900
GYMNODINIUM PYGMAEUM	24.5	12.89	-9900
GYRODINIUM SP.	24.5	12.89	-9900
GYRODINIUM SPIRALE	24.5	12.89	-9900
PERIDINIUM SP.	24.5	12.89	-9900
PROROCENTRUM MICANS	24.5	12.89	-9900
NANNOPLANKTON	24.5	12.89	-9900
TOTALS	29	100	-76800

PERCENT
O F
TOTAL

DIATOM	-7.16
DINOFLAGELLATE	111.98
OTHER	-4.82

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
9	25 AUG 80	09:00:00	40 31.8 N	70 29.6 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	68.0	-	18	53.0

DEPTH
53.0

S P E C I E S	RANK	%	NO/L
NITZSCHIA SERIATA	1.0	-2.86	2610
NANNOPLANKTON	2.0	-2.36	2150
NITZSCHIA SP.	3.0	-0.60	550
COSCONODISCUS SP.	4.5	-0.25	230
MELOSIRA MONILIFORMIS	4.5	-0.25	230
GYRODINIUM SP.	6.0	-0.24	220
THALASSIOSIRA SP.	7.0	-0.23	210
PERIDINIUM SP.	8.0	-0.21	190
NITZSCHIA PUNGENS V. ATLANTICA	9.0	-0.16	150
NITZSCHIA DELICATISSIMA	10.5	-0.14	130
GYMNODINIUM SP.	10.5	-0.14	130
COCHLODINIUM SP.	12.0	-0.12	110
SCHRODERELLA DELICATULA	13.0	-0.11	100
RHIZOSOLENIA SP.	15.0	-0.10	90
GYMNODINIUM SPLENDENS	15.0	-0.10	90
NAVICULA SP.	15.0	-0.10	90
GONYAULAX SP.	17.5	-0.09	80
GYRODINIUM SPIRALE	17.5	-0.09	80
AMPHIDINIUM	19.0	-0.07	60
COSCONODISCUS OCULUS-IRIDIS	20.5	-0.04	40
PERIDINIUM TROCHOIDEUM	20.5	-0.04	40
COSCONODISCUS EXCENTRICUS	23.5	-0.03	30
COSCONODISCUS RADIATUS	23.5	-0.03	30
PERIDINIUM STENII	23.5	-0.03	30
COSCONODISCUS CONCINNUS	23.5	-0.03	30
BIDDULPHIA RHOMBUS	26.0	-0.02	20
CERATIUM FUSUS	27.0	-0.01	10
AMPHIDINIUM	32.5	10.85	-9900
CERATIUM MINUTUM	32.5	10.85	-9900
DINOPHYSIS ACUTA	32.5	10.85	-9900
GYMNODINIUM SP.	32.5	10.85	-9900
GYMNODINIUM PYGMAEUM	32.5	10.85	-9900
GYRODINIUM SP.	32.5	10.85	-9900
PERIDINIUM SP.	32.5	10.85	-9900
PERIDINIUM TROCHOIDEUM	32.5	10.85	-9900
PERIDINIUM STENII	32.5	10.85	-9900
PROROCENTRUM MICANS	32.5	10.85	-9900
TOTALS	37	100	-91270

PERCENT
OF
TOTAL

DIATOM - - - - - -4.97
DINOFLAGELLATE - 107.33
OTHER - - - - - -2.36

- DATA NOT TAKEN

```

-----
STATION      DATE      TIME      LATITUDE    LONGITUDE
  10         26 AUG 80   09:00:00   40 16.4 N   71 54.0 W
-----
                SONIC      SECCHI      SURFACE      ONE % LIGHT
                DEPTH      DEPTH      TEMPERATURE  DEPTH
                70.0       17.0       22          50.0
-----
DEPTH
  0.0
-----

```

```

SPECIES                                RANK   %      NO/L
-----
NANNOPLANKTON      - - - - -      1.0   94.79   2910
PERIDINIUM SP.     - - - - -      3.0    1.30    40
AMPHIDINIUM        - - - - -      3.0    1.30    40
GYMNODINIUM SP     - - - - -      3.0    1.30    40
GYRODINIUM SP.     - - - - -      6.5    0.33    10
COSCINODISCUS RADIATUS - - - - -      6.5    0.33    10
RHIZOSOLENIA SP.   - - - - -      6.5    0.33    10
OXYTOXUM GLADIOLUS - - - - -      6.5    0.33    10
-----
                        TOTALS      8    100   3070

```

```

                        PERCENT
                        O F
                        TOTAL
DIATOM - - - - -      0.65
DINOFLAGELLATE -      4.56
OTHER - - - - -      94.79

```

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 10	DATE 26 AUG 80	TIME 09:00:00	LATITUDE 40 16.4 N	LONGITUDE 71 54.0 W
	SONIC DEPTH 70.0	SECCHI DEPTH 17.0	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH 50.0

DEPTH
7.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	89.59	4820
GYMNODINIUM SP - - - - -	2.0	2.97	160
AMPHIDINIUM - - - - -	3.0	2.42	130
CILIATE - - - - -	4.0	1.30	70
RHIZOSOLENIA SP. - - - - -	5.0	0.93	50
GYRODINIUM SP. - - - - -	7.0	0.56	30
ESODINIUM RUBRUM - - - - -	7.0	0.56	30
GYMNODINIUM PYGMAEUM - - - - -	7.0	0.56	30
GYRODINIUM SPIRALE - - - - -	9.0	0.37	20
PERIDINIUM TROCHOIDEUM - - - - -	11.5	0.19	10
COCHLODINIUM SP. - - - - -	11.5	0.19	10
DISTEPHANUS CRUX - - - - -	11.5	0.19	10
PERIDINIUM TRIQUETA - - - - -	11.5	0.19	10
TOTALS	13	100	5380

PERCENT
O F
TOTAL

DIATOM - - - - -	0.93
DINOFLAGELLATE -	7.43
OTHER - - - - -	91.64

- DATA NOT TAKEN

STATION 10	DATE 26 AUG 80	TIME 09:00:00	LATITUDE 40 16.4 N	LONGITUDE 71 54.0 W
	SONIC DEPTH 70.0	SECCHI DEPTH 17.0	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH 50.0
DEPTH 12.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	85.92	42440
GYMNODINIUM SP	2.0	5.38	2660
AMPHIDIUM	3.0	1.86	920
GYRODINIUM SP.	4.0	1.65	817
PERIDINIUM SP.	5.0	0.85	420
GYMNODINIUM SIMPLEX	6.0	0.73	360
RHIZOSOLENIA SP.	7.0	0.63	310
PROROCENTRUM DENTATUM	8.0	0.61	300
GYMNODINIUM PYGMAEUM	9.0	0.38	190
PERIDINIUM TROCHOIDEUM	10.0	0.26	130
CERATIUM MINUTUM	11.0	0.24	120
PERIDINIUM TRIQUETA	12.5	0.16	80
OXYTOXUM ELEGANS	12.5	0.16	80
UNIDENTIFIED DINOFLAGELLATES	14.0	0.14	70
GYRODINIUM SPIRALE	15.0	0.12	60
NITZSCHIA DELICATISSIMA	16.5	0.10	50
OXYTOXUM RETICULATUM	16.5	0.10	50
PROROCENTRUM MICANS	20.0	0.08	40
GONYAULAX SP.	20.0	0.08	40
THALASSIOSIRA SP.	20.0	0.08	40
RHIZOSOLENIA HEBETATA F. SEMISPINA	20.0	0.08	40
CILIATE	20.0	0.08	40
PERIDINIUM DIABOLUS	26.0	0.04	20
GONYAULAX POLYGRAMMA	26.0	0.04	20
OXYTOXUM SP.	26.0	0.04	20
GYRODINIUM PINGUE	26.0	0.04	20
RHIZOSOLENIA CALCAR AVIS	26.0	0.04	20
EXUVIELLA PERFORATA	26.0	0.04	20
GYMNODINIUM SPLENDENS	26.0	0.04	20
TOTALS	29	100	49397

PERCENT
OF
TOTAL

DIATOM	0.93
DINOFLAGELLATE	13.07
OTHER	86.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
10	26 AUG 80	09:00:00	40 16.4 N	71 54.0 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	17.0	22	50.0

DEPTH
20.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	74.11	146180
GYMNODINIUM SP	2.0	8.76	17280
GYRODINIUM SP.	3.0	3.65	7200
AMPHIDINIUM	4.0	2.13	4200
GYMNODINIUM PYGMAEUM	5.0	1.90	3750
PERIDINIUM SP.	6.0	1.56	3070
CILIATE	7.0	1.48	2910
PERIDINIUM TRIQUETA	8.0	0.91	1800
GYRODINIUM SPIRALE	9.0	0.87	1720
GYMNODINIUM SIMPLEX	10.0	0.71	1400
NITZSCHIA DELICATISSMA	11.5	0.49	960
COCHLODINIUM SP.	11.5	0.49	960
PERIDINIUM TROCHOIDEUM	13.0	0.45	880
PROROCENTRUM DENTATUM	14.0	0.44	860
OXYTOXUM SPHAEROIDEUM	15.0	0.42	830
PERIDINIUM BREVIPIES	16.5	0.20	400
EXUVIELLA PERFORATA	16.5	0.20	400
RHIZOSOLENIA SP.	18.0	0.18	350
GYRODINIUM PINGUE	19.0	0.12	240
RHIZOSOLENIA HEBETATA F. SEMISPINA	20.5	0.12	230
GONYAULAX POLYGRAMMA	20.5	0.12	230
PERIDINIUM STENII	22.0	0.10	200
OXYTOXUM GLADIOLUS	23.0	0.10	190
OXYTOXUM ELEGANS	24.5	0.06	120
GONYAULAX SPINIFERA	24.5	0.06	120
PERIDINIUM CERASUS	26.0	0.06	110
THALASSIOSIRA SP.	28.0	0.04	80
PROROCENTRUM MICANS	28.0	0.04	80
OXYTOXUM RETICULATUM	28.0	0.04	80
UNIDENTIFIED DINOFLAGELLATES	30.0	0.04	70
COCCOLITHUS SP.	33.0	0.02	40
EXUVIELLA SP.	33.0	0.02	40
DINOPHYSIS ACUMINATA	33.0	0.02	40
PERIDINIUM DEPRESSUM	33.0	0.02	40
PERIDINIUM DIVERGENS	33.0	0.02	40
PERIDINIUM CLAUDICANS	36.5	0.02	30
OXYTOXUM DIPLOCONUS	36.5	0.02	30
ESODINIUM RUBRUM	38.0	0.01	24
PODOLAMPAS PALMIPES	39.5	0.01	20
GONYAULAX SP.	39.5	0.01	20
OXYTOXUM SP.	42.0	0.01	10
NITZSCHIA PUNGENS V. ATLANTICA	42.0	0.01	10
OXYTOXUM SCOLOPAX	42.0	0.01	10
TOTALS	43	100	197254

PERCENT
OF
TOTAL

DIATOM - - - - - 0.83
DINOFLAGELLATE - 23.56
OTHER - - - - - 75.62

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
10	26 AUG 80	09:00:00	40 16.4 N	71 54.0 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	17.0	22	50.0

DEPTH
33.0

S P E C I E S	RANK	%	NO/L
EXUVIELLA BALTICA	1.0	68.53	85660
NANNOPLANKTON	2.0	17.47	21840
GYMNODINIUM PYGMAEUM	3.0	5.49	6860
GYMNODINIUM SP	4.0	3.94	4920
CILIATE	5.0	0.81	1010
GYMNODINIUM SIMPLEX	6.0	0.61	760
PERIDINIUM TRIQUETA	7.0	0.58	720
AMPHIDIUM	8.0	0.57	710
GYRODINIUM SP.	9.0	0.53	660
PERIDINIUM SP.	10.0	0.50	620
PLEUROSIGMA SP.	11.0	0.12	150
PERIDINIUM CERASUS	12.0	0.11	140
CERATIUM FUSUS	14.0	0.08	100
COCCOLITHUS SP.	14.0	0.08	100
COCHLODINIUM SP.	14.0	0.08	100
PERIDINIUM DEPRESSUM	16.0	0.07	90
SYRACOSPHAERA SP.	17.5	0.06	80
CERATIUM TRIPOS	17.5	0.06	80
PERIDINIUM TROCHOIDEUM	19.0	0.06	70
PROROCENTRUM DENTATUM	20.0	0.05	60
OXYTOXUM GLADIOLUS	21.5	0.03	40
OXYTOXUM SPHAEROIDEUM	21.5	0.03	40
OXYTOXUM RETICULATUM	23.5	0.02	30
EXUVIELLA APORA	23.5	0.02	30
DINOPHYSIS ACUTA	27.5	0.02	20
CERATIUM TRIPOS LONG+SHORT	27.5	0.02	20
COSCIODISCUS SP.	27.5	0.02	20
PERIDINIUM STENII	27.5	0.02	20
PROROCENTRUM MICANS	27.5	0.02	20
PERIDINIUM BREVIPES	27.5	0.02	20
DINOPHYSIS PUNCTATA	31.0	0.01	10
TOTALS	31	100	125000

PERCENT
O F
TOTAL

DIATOM	0.14
DINOFLAGELLATE	81.44
OTHER	18.42

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
10	26 AUG 80	09:00:00	40 16.4 N	71 54.0 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
70.0	17.0	22	50.0	

DEPTH
50.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	73.60	24340
DINOPHYSIS ACUTA - - - - -	2.0	8.77	2900
AMPHIDINIUM - - - - -	3.0	2.90	960
GYMNODINIUM PYGMAEUM - - - - -	4.0	2.45	810
COCCOLITHUS SP. - - - - -	5.0	2.42	800
GYRODINIUM SP. - - - - -	6.0	2.39	790
PERIDINIUM SP. - - - - -	7.0	1.84	610
RHIZOSOLENIA HEBETATA F. SEMISPINA - - - - -	8.0	1.24	410
GYMNODINIUM SP. - - - - -	9.0	1.03	342
RHIZOSOLENIA SP. - - - - -	10.0	0.57	190
GYMNODINIUM PUNCTATUM - - - - -	11.0	0.51	170
EXUVIELLA BALTICA - - - - -	12.5	0.48	160
RHIZOSOLENIA ALATA - - - - -	12.5	0.48	160
PERIDINIUM TROCHOIDEUM - - - - -	14.0	0.39	130
NITZSCHIA DELICATISSIMA - - - - -	16.5	0.12	40
PERIDINIUM TRIQUETA - - - - -	16.5	0.12	40
PERIDINIUM CERASUS - - - - -	16.5	0.12	40
DINOPHYSIS ACUMINATA - - - - -	16.5	0.12	40
ESODINIUM RUBRUM - - - - -	19.0	0.09	30
DINOPHYSIS PUNCTATA - - - - -	22.0	0.06	20
NITZSCHIA CLOSTERIUM - - - - -	22.0	0.06	20
PROROCENTRUM MICANS - - - - -	22.0	0.06	20
PERIDINIUM DEPRESSUM - - - - -	22.0	0.06	20
EXUVIELLA APORA - - - - -	22.0	0.06	20
COSGINODISCUS EXCENTRICUS - - - - -	25.0	0.03	10
TOTALS	25	100	33072

PERCENT
OF
TOTAL

DIATOM - - - - - 2.51
DINOFLAGELLATE - 21.38
OTHER - - - - - 76.11

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
16	27 AUG 80	09:00:00	40 15.2 N	71 53.8 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	15.0	22	45.0
DEPTH	0.0			

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	69.45	22120
GYMNODINIUM SP	2.0	13.31	4240
GYMNODINIUM PYGMAEUM	3.0	2.95	940
PERIDINIUM SP.	4.0	1.98	630
AMPHIDINIUM	5.0	1.76	560
EXUVIELLA APORA	6.0	1.73	550
OXYTOXUM ELEGANS	7.0	1.63	520
GYRODINIUM SP.	8.0	1.57	500
GYMNODINIUM PUNCTATUM	9.0	0.88	280
SYNEDRA AFFINIS	10.0	0.85	270
GYRODINIUM SPIRALE	11.0	0.63	200
PERIDINIUM TROCHOIDEUM	12.0	0.50	160
GYMNODINIUM SIMPLEX	13.0	0.44	140
PERIDINIUM BREVIPES	14.0	0.31	100
PERIDINIUM DEPRESSUM	15.0	0.28	90
EXUVIELLA BALTICA	17.5	0.25	80
DIPLOSALIS SP.	17.5	0.25	80
PERIDINIUM TRIQUETA	17.5	0.25	80
OXYTOXUM SPHAEROIDEUM	17.5	0.25	80
GYMNODINIUM SPLENDENS	20.0	0.22	70
PERIDINIUM STENII	21.0	0.13	40
EXUVIELLA PERFORATA	23.0	0.06	20
GONYAULAX POLYGRAMMA	23.0	0.06	20
PROROCENTRUM DENTATUM	23.0	0.06	20
GONYAULAX SP.	27.5	0.03	10
EXUVIELLA MARINA	27.5	0.03	10
PODOLAMPAS PALMIPES	27.5	0.03	10
OXYTOXUM SP.	27.5	0.03	10
PERIDINIUM CERASUS	27.5	0.03	10
GONYAULAX SPINIFERA	27.5	0.03	10
TOTALS	30	100	31850

PERCENT
O F
TOTAL

DIATOM	0.85
DINOFLAGELLATE	29.70
OTHER	69.45

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
16	27 AUG 80	09:00:00	40 15.2 N	71 53.8 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
70.0	15.0	22	45.0	

DEPTH
7.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	88.25	32640
GYMNODINIUM PUNCTATUM	2.0	2.08	770
GYMNODINIUM PYGMAEUM	3.0	1.97	730
EXUVIELLA APORA	4.0	1.19	440
GYMNODINIUM SIMPLEX	5.0	1.05	390
OXYTOXUM ELEGANS 0	6.0	0.68	250
SYRACOSPHAERA SP.	7.5	0.65	240
GYRODINIUM SP.	7.5	0.65	240
GYRODINIUM SPIRALE	9.0	0.54	200
AMPHIDINIUM	10.5	0.46	170
PERIDINIUM TRIQUETA	10.5	0.46	170
GYMNODINIUM SP	12.0	0.34	125
CILIATE	13.0	0.27	100
GONYAULAX POLYGRAMMA	14.0	0.24	90
PROROCENTRUM DENTATUM	15.0	0.16	60
COCHLODINIUM SP.	16.0	0.14	50
GONYAULAX SPINIFERA	18.0	0.11	40
EXUVIELLA BALTICA	18.0	0.11	40
OXYTOXUM SPHAEROIDEUM	18.0	0.11	40
ESODINIUM RUBRUM	21.5	0.08	30
PERIDINIUM STENII	21.5	0.08	30
EXUVIELLA PERFORATA	21.5	0.08	30
GYMNODINIUM SPLENDENS	21.5	0.08	30
PERIDINIUM TROCHOIDEUM	25.0	0.05	20
PROROCENTRUM MICANS	25.0	0.05	20
CERATIUM MINUTUM	25.0	0.05	20
CERATIUM LONGIROSTRUM	27.5	0.03	10
OXYTOXUM SP.	27.5	0.03	10
TOTALS	28	100	36985

PERCENT
O F
TOTAL

DIATOM - - - - - 0.00
DINOFLAGELLATE - 10.75
OTHER - - - - - 89.25

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
16	27 AUG 80	09:00:00	40 15.2 N	71 53.8 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	15.0	22	45.0

DEPTH
12.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	78.46	41960
GYMNODINIUM SP.	2.0	9.69	5180
GYRODINIUM SP.	3.0	3.29	1760
AMPHIDINIUM	4.0	1.93	1030
GYMNODINIUM PUNCTATUM	5.0	1.55	830
PERIDINIUM TRIQUETA	6.0	1.14	610
PERIDINIUM SP.	7.0	1.07	570
EXUVIELLA APORA	8.0	0.52	280
SYRACOSPHAERA SP.	9.5	0.37	200
GYRODINIUM SPIRALE	9.5	0.37	200
PERIDINIUM BREVIPEDES	11.0	0.36	190
COCHLODINIUM SP.	12.0	0.22	120
PERIDINIUM STENII	14.5	0.15	80
EXUVIELLA PERFORATA	14.5	0.15	80
OXYTOXUM SPHAEROIDEUM	14.5	0.15	80
NITZSCHIA SERIATA	14.5	0.15	80
EXUVIELLA BALTICA	17.0	0.13	70
ESODINIUM RUBRUM	18.5	0.07	40
PROROCENTRUM MICANS	18.5	0.07	40
PROROCENTRUM DENTATUM	20.5	0.06	30
GONYAULAX POLYGRAMMA	20.5	0.06	30
OXYTOXUM SP.	22.5	0.02	10
EXUVIELLA COMPRESSA	22.5	0.02	10
TOTALS	23	100	53480

PERCENT
O F
TOTAL

DIATOM	0.15
DINOFLAGELLATE	20.94
OTHER	78.91

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
16	27 AUG 80	09:00:00	40 15.2 N	71 53.8 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
70.0	15.0	22	45.0	

DEPTH
19.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	68.87	92710
GYMNODINIUM SIMPLEX	2.0	4.48	6030
GYRODINIUM SP.	3.0	4.15	5580
GYMNODINIUM SP.	4.0	3.19	4300
AMPHIDINIUM	5.0	3.16	4250
GYMNODINIUM PUNCTATUM	6.0	3.06	4120
PERIDINIUM SP.	7.0	2.38	3210
EXUVIELLA APORA	8.0	1.76	2370
CILIATE	9.0	1.62	2180
GYRODINIUM SPIRALE	10.0	0.99	1330
COCHLODINIUM SP.	11.0	0.78	1050
CHAETOCEROS SP.	12.0	0.48	640
EXUVIELLA BALTICA	13.0	0.45	610
PERIDINIUM TRIQUETA	14.0	0.36	480
GYMNODINIUM PYGMAEUM	15.0	0.32	430
OXYTOXUM SPHAEROIDEUM	16.0	0.29	390
UNIDENTIFIED DIATOMS	17.0	0.27	360
EXUVIELLA SP.	18.0	0.25	330
PERIDINIUM BREVIPIES	19.0	0.24	320
ESODINIUM RUBRUM	20.0	0.22	300
GONYAULAX POLYGRAMMA	21.0	0.22	290
NITZSCHIA DELICATISSMA	22.5	0.18	240
PERIDINIUM TROCHOIDEUM	22.5	0.18	240
UNIDENTIFIED DINOFLAGELLATES	24.5	0.17	230
SYRACOSPHAERA SP.	24.5	0.17	230
PROROCENTRUM DENTATUM	26.0	0.16	210
AMPHIDINIUM LATUM	27.0	0.15	200
DIPLOSALIS SP.	28.0	0.14	190
RHIZOSOLENIA HEBETATA F. SEMISPINA	29.5	0.13	180
NITZSCHIA PUNGENS V. ATLANTICA	29.5	0.13	180
EXUVIELLA PERFORATA	31.0	0.13	170
EXUVIELLA COMPRESSA	32.0	0.12	160
PERIDINIUM DEPRESSUM	33.5	0.10	130
GONYAULAX SP.	33.5	0.10	130
NITZSCHIA SERIATA	35.0	0.07	100
DINOPHYSIS PUNCTATA	36.0	0.07	90
POLYKRIKOS SP.	37.5	0.06	80
PHALACROMA SP.	37.5	0.06	80
OXYTOXUM ELEGANS	40.5	0.04	50
GYMNODINIUM SPLENDENS	40.5	0.04	50
DINOPHYSIS ACUMINATA	40.5	0.04	50
PERIDINIUM DIVERGENS	40.5	0.04	50
PROROCENTRUM SP.	43.5	0.03	40
GYRODINIUM PINGUE	43.5	0.03	40
PERIDINIUM STENII	47.5	0.02	30
OXYTOXUM SP.	47.5	0.02	30
PHALARCHROMA IRREGULARE	47.5	0.02	30
OXYTOXUM RETICULATUM	47.5	0.02	30
PODOLAMPAS PALMIPES	47.5	0.02	30
PERIDINIUM OBLONGUM	47.5	0.02	30
DINOPHYSIS HASTATA	51.0	0.01	20
PERIDINIUM CLAUDICANS	52.5	0.01	10
DISTEPHANUS CRUX	52.5	0.01	10
TOTALS	53	100	134620

PERCENT
OF
TOTAL

DIATOM - - - - - 1.26
DINOFLAGELLATE - 27.85

 STATION 16 DATE 27 AUG 80 TIME 09:00:00 LATITUDE 40 15.2 N LONGITUDE 71 53.8 W

 SONIC SECCHI SURFACE ONE % LIGHT
 DEPTH DEPTH TEMPERATURE DEPTH
 70.0 15.0 22 45.0

 DEPTH
 30.0

S P E C I E S	RANK	%	NO/L
EXUVIELLA APORA	1.0	50.67	66600
NANNOPLANKTON	2.0	27.08	35590
GYMNODINIUM SP	3.0	7.45	9790
GYMNODINIUM PYGMAEUM	4.0	5.39	7090
CERATIUM MINUTUM	5.0	2.25	2960
PERIDINIUM SP.	6.0	1.34	1760
PERIDINIUM TRIQUETA	7.0	1.16	1520
CILIATE	8.0	0.77	1010
DINOPHYSIS ACUTA	9.0	0.61	800
GYRODINIUM SP.	10.0	0.56	730
CERATIUM TRIPOS	11.0	0.55	720
PERIDINIUM BREVIPES	12.0	0.34	450
COCHLODINIUM SP.	13.0	0.30	400
PROROCENTRUM DENTATUM	14.0	0.30	390
PERIDINIUM DEPRESSUM	15.0	0.28	370
CERATIUM FUSUS	16.0	0.25	330
ESODINIUM RUBRUM	17.0	0.10	130
PLEUROSIGMA SP.	18.0	0.09	120
PERIDINIUM STENII	19.0	0.08	110
OXYTOXUM SPHAEROIDEUM	20.5	0.06	80
AMPHIDINIUM LATUM	20.5	0.06	80
GYRODINIUM SPIRALE	22.5	0.05	70
UNIDENTIFIED DINOFLAGELLATES	22.5	0.05	70
NITZSCHIA PUNGENS V. ATLANTICA	24.0	0.05	60
DISTEPHANUS SPECULUM	25.5	0.03	40
PHALACROMA SP.	25.5	0.03	40
PERIDINIUM CLAUDICANS	27.5	0.02	30
DINOPHYSIS PUNCTATA	27.5	0.02	30
PERIDINIUM OBLONGUM	29.0	0.02	20
EXUVIELLA COMPRESSA	30.0	0.01	11
PHALARCHROMA IRREGULARE	32.0	0.01	10
COSCIINODISCUS MARGINATUS	32.0	0.01	10
GONYAULAX SP.	32.0	0.01	10
TOTALS	33	100	131431

PERCENT
 OF
 TOTAL

DIATOM	0.14
DINOFLAGELLATE	71.88
OTHER	27.98

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
16	27 AUG 80	09:00:00	40 15.2 N	71 53.8 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	15.0	22	45.0

DEPTH
45.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	74.11	6440
GYMNODINIUM SP - - - - -	2.0	6.79	590
MELOSIRA MONILIFORMIS - - - - -	3.0	2.88	250
AMPHIDINIUM - - - - -	4.0	2.65	230
DINOPHYSIS ACUMINATA - - - - -	5.0	2.42	210
PERIDINIUM SP. - - - - -	6.0	1.84	160
CILIATE - - - - -	7.0	1.73	150
EXUVIELLA APORA - - - - -	8.0	1.61	140
GYRODINIUM SP. - - - - -	9.0	1.38	120
PERIDINIUM STENII - - - - -	10.0	1.04	90
COCHLODINIUM SP. - - - - -	11.5	0.92	80
GYMNODINIUM PYGMAEUM - - - - -	11.5	0.92	80
PERIDINIUM BREVIPIES - - - - -	13.5	0.46	40
CERATIUM TRIPOS - - - - -	13.5	0.46	40
COCCOLITHUS SP. - - - - -	15.0	0.35	30
UNIDENTIFIED DINOFLAGELLATES - -	16.5	0.23	20
PODOLAMPAS PALMIPES - - - - -	16.5	0.23	20
TOTALS	17	100	8690

PERCENT
O F
TOTAL

DIATOM - - - - -	2.88
DINOFLAGELLATE -	20.94
OTHER - - - - -	76.18

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 20	DATE 28 AUG 80	TIME 09:00:00	LATITUDE 40 13.9 N.	LONGITUDE 71 56.7 W
	SONIC DEPTH 70.0	SECCHI DEPTH 15.0	SURFACE TEMPERATURE 22	ONE % LIGHT DEPTH 45.0
DEPTH 0.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	74.11	31080
EXUVIELLA APORA	2.0	8.58	3600
GYMNODINIUM SP	3.0	4.65	1950
GYMNODINIUM PYGMAEUM	4.0	2.77	1160
GYMNODINIUM PUNCTATUM	5.0	1.91	800
PERIDINIUM TRIQUETA	6.0	1.24	520
NITZSCHIA SERIATA	7.0	0.74	310
CILIATE	8.0	0.72	300
GYRODINIUM SP.	9.0	0.64	270
CERATIUM TRIPOS	10.0	0.55	230
GYRODINIUM SPIRALE	11.0	0.48	200
SYRACOSPHAERA SP.	12.0	0.45	190
AMPHIDINIUM	13.0	0.38	160
GONYAULAX POLYGRAMMA	14.0	0.36	150
PERIDINIUM SP.	15.0	0.33	140
BIDDULPHIA SP.	16.5	0.29	120
CHAETOCEROS SP.	16.5	0.29	120
CERATIUM FUSUS	18.5	0.26	110
EXUVIELLA PERFORATA	18.5	0.26	110
CERATIUM MINUTUM	20.0	0.24	100
DIPLOSALIS SP.	21.0	0.19	80
PROROCENTRUM MICANS	22.5	0.17	70
RHIZOSOLENIA SP.	22.5	0.17	70
OXYTOXUM ELEGANS	24.0	0.10	40
DISTEPHANUS CRUX	26.0	0.05	20
ESODINIUM RUBRUM	26.0	0.05	20
OXYTOXUM SPHAEROIDEUM	26.0	0.05	20
TOTALS	27	100	41940

PERCENT
O F
TOTAL

DIATOM	1.48
DINOFLAGELLATE	23.15
OTHER	75.37

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
20	28 AUG 80	09:00:00	40 13.9 N	71 56.7 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	15.0	22	45.0

DEPTH
7.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	91.86	38820
GYMNODINIUM SP	2.0	1.80	760
CILIATE	3.0	1.14	480
GYMNODINIUM PYGMAEUM	4.0	0.57	240
GYMNODINIUM PUNCTATUM	5.0	0.47	200
PERIDINIUM TRIQUETA	6.0	0.45	190
GYRODINIUM SPIRALE	7.0	0.43	180
EXUVIELLA APORA	8.5	0.38	160
GYRODINIUM SP.	8.5	0.38	160
OXYTOXUM ELEGANS	10.0	0.35	150
SYRACOSPHAERA SP.	11.5	0.33	140
ESODINIUM RUBRUM	11.5	0.33	140
COCHLODINIUM SP.	13.0	0.31	130
GONYAULAX POLYGRAMMA	14.0	0.28	120
EXUVIELLA COMPRESSA	15.0	0.19	80
GYRODINIUM PINGUE	17.5	0.09	40
EXUVIELLA PERFORATA	17.5	0.09	40
DIPLOSALIS SP.	17.5	0.09	40
PERIDINIUM SP.	17.5	0.09	40
RHIZOSOLENIA SP.	21.0	0.07	30
OXYTOXUM SPHAEROIDEUM	21.0	0.07	30
PERIDINIUM BREVIPIES	21.0	0.07	30
PROROCENTRUM MICANS	23.5	0.05	20
AMPHIDINIUM	23.5	0.05	20
GONYAULAX SPINIFERA	25.5	0.02	10
PROROCENTRUM DENTATUM	25.5	0.02	10
TOTALS	26	100	42260

PERCENT
O F
TOTAL

DIATOM	0.07
DINOFLAGELLATE	6.27
OTHER	93.66

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
20	28 AUG 80	09:00:00	40 13.9 N	71 56.7 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	15.0	22	45.0
DEPTH	12.0			

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	79.40	32100
SKELETONEMA COSTATUM	2.0	5.34	2160
GYMNODINIUM SP	3.0	3.64	1470
CILIATE	4.0	1.88	760
UNIDENTIFIED DIATOMS	5.0	1.68	680
NITZSCHIA SERIATA	6.0	1.01	410
EXUVIELLA APORA	7.0	0.99	400
PERIDINIUM TRIQUETA	8.0	0.92	370
GYMNODINIUM PUNCTATUM	9.0	0.82	330
PERIDINIUM SP.	10.0	0.54	220
OXYTOXUM ELEGANS	11.0	0.52	210
GYRODINIUM SP.	12.5	0.47	190
AMPHIDINIUM	12.5	0.47	190
SYRACOSPHAERA SP.	14.0	0.40	160
COCCOLITHUS SP.	15.0	0.30	120
GYRODINIUM PINGUE	16.0	0.22	90
EXUVIELLA COMPRESSA	18.0	0.20	80
OXYTOXUM SCEPTUM	18.0	0.20	80
GYRODINIUM SPIRALE	18.0	0.20	80
OXYTOXUM SPHAEROIDEUM	20.0	0.17	70
ESODINIUM RUBRUM	21.0	0.15	60
GYMNODINIUM PYGMAEUM	22.5	0.12	50
GONYAULAX POLYGRAMMA	22.5	0.12	50
PERIDINIUM DEPRESSUM	24.0	0.10	40
PERIDINIUM STENII	25.5	0.07	30
PROROCENTRUM DENTATUM	25.5	0.07	30
TOTALS	26	100	40430

 PERCENT
 OF
 TOTAL

DIATOM	8.04
DINOFLAGELLATE	9.84
OTHER	82.12

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
20	28 AUG 80	09:00:00	40 13.9 N	71 56.7 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	15.0	22	45.0

DEPTH
19.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	34.77	11230
GYMNODINIUM SP	2.0	16.32	5270
CILIATE	3.0	10.43	3370
EXUVIELLA APORA	4.0	5.51	1780
GYMNODINIUM PYGMAEUM	5.0	5.39	1740
GYRODINIUM SP.	6.5	4.86	1570
PERIDINIUM TRIQUETA	6.5	4.86	1570
GYMNODINIUM PUNCTATUM	8.0	3.37	1090
GYRODINIUM SPIRALE	9.0	3.16	1020
AMPHIDINIUM	10.0	2.91	940
ESODINIUM RUBRUM	11.0	1.36	440
PERIDINIUM SP.	12.0	1.15	370
GYRODINIUM PINGUE	13.0	0.74	240
PHALACROMA SP.	15.0	0.65	210
COCHLODINIUM SP.	15.0	0.65	210
GONYAULAX POLYGRAMMA	15.0	0.65	210
OXYTOXUM SPHAEROIDEUM	17.0	0.46	150
PERIDINIUM BREVIPIES	18.0	0.40	130
PERIDINIUM OBLONGUM	19.0	0.37	120
DIPLOSALIS SP.	20.5	0.31	100
SYRACOSPHAERA SP.	20.5	0.31	100
PROROCENTRUM DENTATUM	22.5	0.28	90
PERIDINIUM STENII	22.5	0.28	90
PERIDINIUM TROCHOIDEUM	24.0	0.25	80
PODOLAMPAS PALMIPES	25.0	0.19	60
OXYTOXUM ELEGANS	26.0	0.15	50
OXYTOXUM SCEPTRUM	27.0	0.12	40
ACTINOPTYCHSP	28.0	0.09	30
TOTALS	28	100	32300

PERCENT
O F
TOTAL

DIATOM	0.09
DINOFLAGELLATE	53.03
OTHER	46.87

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
20	28 AUG 80	09:00:00	40 13.9 N	71 56.7 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	15.0	22	45.0
DEPTH	33.0			

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	45.04	71870
EXUVIELLA APORA	2.0	40.42	64500
GYMNODINIUM PYGMAEUM	3.0	4.99	7960
GYMNODINIUM SP	4.0	2.33	3720
PERIDINIUM TRIQUETA	5.0	1.39	2220
CILIATE	6.0	1.31	2090
CERATIUM FUSUS	7.0	1.28	2050
CERATIUM TRIPOS	8.0	0.57	910
CERATIUM MINUTUM	9.0	0.46	740
GYMNODINIUM PUNCTATUM	10.0	0.36	570
GYRODINIUM SP.	11.0	0.26	410
PERIDINIUM BREVIPIES	12.0	0.23	360
DINOPHYSIS ACUTA	13.0	0.20	320
AMPHIDINIUM	14.0	0.19	310
OXYTOXUM SPHAEROIDEUM	15.0	0.13	200
PERIDINIUM DEPRESSUM	16.0	0.12	190
PERIDINIUM STENII	17.0	0.10	160
PROROCENTRUM DENTATUM	18.0	0.08	130
CERATIUM TRIPOS LONG+SHORT	20.0	0.08	120
GYRODINIUM PINGUE	20.0	0.08	120
PERIDINIUM SP.	20.0	0.08	120
DINOPHYSIS ACUMINATA	22.0	0.06	90
COCHLODINIUM SP.	23.0	0.05	80
COSCIINODISCUS OCULUS-IRIDIS	24.0	0.04	60
COSCIINODISCUS RADIATUS	26.0	0.03	50
AMPHIDINIUM LATUM	26.0	0.03	50
DIPLOSALIS SP.	26.0	0.03	50
OXYTOXUM GLADIOLUS	29.0	0.02	30
ACTINOPTYCHSP	29.0	0.02	30
DINOPHYSIS TRIPOS	29.0	0.02	30
GYMNODINIUM SIMPLEX	31.5	0.01	20
UNIDENTIFIED DINOFLAGELLATES	31.5	0.01	20
TOTALS	32	100	159580

 PERCENT
 OF
 TOTAL

DIATOM	0.09
DINOFLAGELLATE	53.57
OTHER	46.35

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
20	28 AUG 80	09:00:00	40 13.9 N	71 56.7 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	15.0	22	45.0

DEPTH
45.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	67.67	3160
EXUVIELLA APORA	2.0	11.35	530
GYMNODINIUM SP	3.0	4.93	230
CILIATE	4.0	3.43	160
NITZSCHIA DELICATISSMA	5.5	2.36	110
MELOSIRA MONILIFORMIS	5.5	2.36	110
DINOPHYSIS ACUTA	7.0	1.71	80
RHIZOSOLENIA HEBETATA F. SEMISPINA	8.0	1.28	60
COSCINODISCUS EXCENTRICUS	9.0	0.86	40
GYRODINIUM SP.	10.5	0.64	30
GYRODINIUM PINGUE	10.5	0.64	30
CERATIUM FUSUS	14.0	0.43	20
PERIDINIUM STENII	14.0	0.43	20
COCHLODINIUM SP.	14.0	0.43	20
CERATIUM TRIPOS	14.0	0.43	20
GYMNODINIUM PUNCTATUM	14.0	0.43	20
DINOPHYSIS ACUMINATA	18.0	0.21	10
PERIDINIUM SP.	18.0	0.21	10
DINOPHYSIS NORVEGICA	18.0	0.21	10
TOTALS	19	100	4670

PERCENT
O F
TOTAL

DIATOM	6.85
DINOFLAGELLATE	22.06
OTHER	71.09

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
20	28 AUG 80	09:00:00	40 13.9 N	71 56.7 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	70.0	15.0	22	45.0
DEPTH	60.0			

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	73.56	1920
MELOSIRA MONILIFORMIS	2.0	6.51	170
GYMNODINIUM SP	3.0	4.60	120
EXUVIELLA APORA	5.0	3.07	80
DINOPHYSIS ACUTA	5.0	3.07	80
COSCINODISCUS EXCENTRICUS	5.0	3.07	80
RHIZOSOLENIA SP.	7.5	1.53	40
CILIATE	7.5	1.53	40
DINOPHYSIS ACUMINATA	10.0	0.77	20
GYMNODINIUM PUNCTATUM	10.0	0.77	20
COSCINODISCUS RADIATUS	10.0	0.77	20
CERATIUM TRIPOS	12.5	0.38	10
PROROCENTRUM MICANS	12.5	0.38	10
TOTALS	13	100	2610

PERCENT OF TOTAL	
DIATOM	11.88
DINOFLAGELLATE	13.03
OTHER	75.10

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
33	31 AUG 80	09:00:00	38 46.2 N	74 57.1 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	30.0	2.0	21	6.0

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	82.13	74240
NITZSCHIA SERIATA	2.0	6.28	5680
MELOSIRA SULCATA	3.0	1.41	1270
NITZSCHIA DELICATISSIMA	4.0	1.19	1080
THALASSIONEMA NITZSCHIOIDES	5.0	0.96	870
SCHRODERELLA DELICATULA	6.0	0.76	690
CILIATE	7.5	0.74	670
CERATAULINA BERGONI	7.5	0.74	670
GYMNODINIUM SP.	9.0	0.72	650
EXUVIELLA APORA	10.5	0.58	520
LITHODESMIUM UNDULATUM	10.5	0.58	520
UNIDENTIFIED DIATOMS	12.0	0.45	410
PERIDINIUM SP.	13.0	0.40	360
SKELETONEMA COSTATUM	14.0	0.34	310
GYRODINIUM SP.	15.0	0.30	270
NITZSCHIA PUNGENS V. ATLANTICA	16.0	0.27	240
PLEUROSIGMA NORMANII	17.0	0.20	180
COSCIINOSIRA SP.	18.5	0.19	170
PERIDINIUM TROCHOIDEUM	18.5	0.19	170
PERIDINIUM TRIQUETA	20.5	0.18	160
GYROSIGMA SP.	20.5	0.18	160
EXUVIELLA COMPRESSA	22.0	0.17	150
PERIDINIUM BREVIPIES	23.0	0.14	130
RHIZOSOLENIA STOLTERFOTHII	24.0	0.13	120
PLEUROSIGMA SP.	25.5	0.12	110
BIDDULPHIA SP.	25.5	0.12	110
AMPHIDINIUM	27.0	0.09	80
GONYAULAX TRICANTHA	28.0	0.08	70
RHAPHONEIS AMPHICEROS	29.0	0.07	60
BIDDULPHIA ALTERNANS	30.0	0.06	50
COCHLODINIUM SP.	32.0	0.04	40
DITYLUM BRIGHTWELLII	32.0	0.04	40
COSCIINODISCUS SP.	32.0	0.04	40
AMPHORA SP.	34.5	0.03	30
DINOPHYSIS ACUTA	34.5	0.03	30
ASTEROMPHALUS HEPTACTIS	36.5	0.02	20
NITZSCHIA BILOBATA	36.5	0.02	20
TOTALS	37	100	90390

PERCENT
O F
TOTAL

DIATOM	14.22
DINOFLAGELLATE	2.91
OTHER	82.87

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
33	31 AUG 80	09:00:00	38 46.2 N	74 57.1 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	30.0	2.0	21	6.0
DEPTH	3.0			

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	84.97	66390
NITZSCHIA SERIATA	2.0	3.48	2720
MELOSIRA SULCATA	3.0	2.33	1820
LITHODESMIUM UNDULATUM	4.0	1.74	1360
SCHRODERELLA DELICATULA	5.0	0.95	740
CERATAULINA BERGONI	6.0	0.92	720
THALASSIOSIRA SP.	7.0	0.81	630
GYMNODINIUM SP.	8.0	0.78	610
PERIDINIUM TROCHOIDEUM	9.0	0.51	400
CILIATE.	10.0	0.49	380
NITZSCHIA DELICATISSIMA	11.0	0.46	360
THALASSIONEMA NITZSCHIOIDES	12.0	0.42	330
PLEUROSIGMA NORMANII	13.0	0.35	270
EXUVIELLA APORA	14.0	0.26	200
PERIDINIUM SP.	15.5	0.18	140
GYRODINIUM SP.	15.5	0.18	140
SKELETONEMA COSTATUM	17.0	0.13	100
GONYAULAX POLYGRAMMA	18.0	0.12	90
BIDDULPHIA ALTERNANS	20.0	0.10	80
RHAPHONEIS AMPHICEROS	20.0	0.10	80
DITYLUM BRIGHTWELLII	20.0	0.10	80
PLEUROSIGMA SP.	22.0	0.09	70
GYROSIGMA SP.	23.0	0.08	60
DIPLOSALIS SP.	24.0	0.06	50
PERIDINIUM BREVIPES	26.0	0.05	40
PERIDINIUM TRIQUETA	26.0	0.05	40
COSCINOSIRA POLYCHORDA	26.0	0.05	40
NITZSCHIA PARADOXA	28.0	0.04	30
COSCINODISCUS RADIATUS	31.5	0.03	20
POLYKRIKOS SP.	31.5	0.03	20
PERIDINIUM MINISCULUM	31.5	0.03	20
COSCINODISCUS SP.	31.5	0.03	20
BIDDULPHIA SP.	31.5	0.03	20
PROROCENTRUM MICANS	31.5	0.03	20
DINOPHYSIS TRIPOS	36.5	0.01	10
ASTEROMPHALUS HEPTACTIS	36.5	0.01	10
COSCINODISCUS EXCENTRICUS	36.5	0.01	10
BIDDULPHIA MOBILIENSIS	36.5	0.01	10
TOTALS	38	100	78130

PERCENT
OF
TOTAL

DIATOM	12.26
DINOFLAGELLATE	2.28
OTHER	85.46

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
33	31 AUG 80	09:00:00	38 46.2 N	74 57.1 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
30.0	2.0	21	6.0	

DEPTH
6.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	68.54	44830
MELOSIRA SULCATA - - - - -	2.0	7.83	5120
CERATAULINA BERGONI - - - - -	3.0	4.56	2980
NITZSCHIA SERIATA - - - - -	4.0	2.75	1800
LITHODESMIUM UNDULATUM - - - - -	5.0	2.49	1630
SCHRODERELLA DELICATULA - - - - -	6.0	2.38	1560
MELOSIRA MONILIFORMIS - - - - -	7.0	2.06	1350
THALASSIONEMA NITZSCHIOIDES - - - - -	8.0	1.28	840
HEMIAULUS HAUCKII - - - - -	9.0	1.27	830
NITZSCHIA DELICATISSIMA - - - - -	10.0	0.93	610
PLEUROSIGMA NORMANII - - - - -	11.0	0.86	560
MELOSIRA SP. - - - - -	12.0	0.79	520
EXUVIELLA APORA - - - - -	13.0	0.67	440
BIDDULPHIA ALTERNANS - - - - -	14.0	0.54	350
ASTEROMPHALUS HEPTACTIS - - - - -	15.0	0.41	270
RHAPHONEIS AMPHICEROS - - - - -	16.0	0.29	190
BIDDULPHIA MOBILIENSIS - - - - -	18.0	0.24	160
AMPHORA SP. - - - - -	18.0	0.24	160
CILIATE - - - - -	18.0	0.24	160
COSCIINOSIRA POLYCHORDA - - - - -	20.0	0.23	150
GYROSIGMA SP. - - - - -	21.0	0.21	140
PLEUROSIGMA SP. - - - - -	22.5	0.18	120
POLYKRIKOS SP. - - - - -	22.5	0.18	120
GYMNODINIUM SP. - - - - -	24.0	0.17	110
BIDDULPHIA RHOMBUS - - - - -	25.0	0.12	80
DINOPHYSIS TRIPOS - - - - -	26.0	0.09	60
PERIDINIUM BREVIPIES - - - - -	27.0	0.08	50
DIPLOSALIS SP. - - - - -	30.5	0.05	30
NAVICULA SP. - - - - -	30.5	0.05	30
GYRODINIUM SP. - - - - -	30.5	0.05	30
EXUVIELLA COMPRESSA - - - - -	30.5	0.05	30
GYRODINIUM SPIRALE - - - - -	30.5	0.05	30
COSCIINODISCUS SP. - - - - -	30.5	0.05	30
PERIDINIUM SP. - - - - -	34.0	0.03	20
PROROCENTRUM MICANS - - - - -	35.5	0.02	10
COSCIINODISCUS RADIATUS - - - - -	35.5	0.02	10
TOTALS	36	100	65410

PERCENT
O F
TOTAL

DIATOM - - - - - 29.80
DINOFLAGELLATE - 1.42
OTHER - - - - - 68.78

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
42	1 SEP 80	13:00:00	36 59.3 N	75 52.6 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
11.0	5.0	24	3.0	
DEPTH 0.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	53.80	67460
RHIZOSOLENIA SP.	2.0	9.96	12490
RHIZOSOLENIA STOLTERFOTHII	3.0	9.19	11520
SKELETONEMA COSTATUM	4.0	6.90	8650
NITZSCHIA SERIATA	5.0	6.21	7790
LITHODESMIUM UNDULATUM	6.0	3.52	4410
RHIZOSOLENIA DELICATULA	7.0	1.93	2420
GYRODINIUM SP.	8.0	1.17	1470
SCHRODERELLA DELICATULA	9.0	1.08	1350
GYMNODINIUM SP.	10.0	0.77	960
RHAPHONEIS AMPHICEROS	11.0	0.71	890
RHIZOSOLENIA ALATA F. INDICA	12.0	0.51	640
PROROCENTRUM MICANS	13.0	0.49	610
MELOSIRA MONILIFORMIS	14.5	0.41	520
CILIATE	14.5	0.41	520
MELOSIRA SULCATA	16.0	0.33	410
PERIDINIUM TROCHOIDEUM	17.0	0.29	360
PERIDINIUM SP.	18.0	0.26	320
GRAMMATOPHORA SP.	19.0	0.21	260
AMPHIDINIUM	20.5	0.20	250
RHIZOSOLENIA HEBETATA F. SEMISPINA	20.5	0.20	250
MELOSIRA NUMMULOIDES	22.5	0.19	240
CERATAULINA BERGONI	22.5	0.19	240
NAVICULA SP.	24.0	0.18	230
AMPHORA SP.	25.0	0.16	200
ASTEROMPHALUS HEPTACTIS	26.0	0.15	190
BIDDULPHIA AURITA	27.0	0.10	120
THALASSIOTHRIX SP.	28.0	0.07	90
PERIDINIUM TRIQUETA	29.0	0.06	80
UNIDENTIFIED DIATOMS	31.0	0.06	70
PERIDINIUM OBLONGUM	31.0	0.06	70
THALASSIOSIRA SP.	31.0	0.06	70
PERIDINIUM CERASUS	33.0	0.05	60
GYROSIGMA SP.	34.0	0.04	50
PERIDINIUM BREVIPES	35.0	0.03	40
DIPLOSALIS SP.	36.0	0.02	30
BIDDULPHIA SP.	38.0	0.02	20
CERATIUM LINEATUM	38.0	0.02	20
PHALARCHROMA IRREGULARE	38.0	0.02	20
TOTALS	39	100	125390

PERCENT
O F
TOTAL

DIATOM - - - - - 42.36
DINOFLAGELLATE - - - 3.42
OTHER - - - - - 54.21

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
42	1 SEP 80	13:00:00	36 59.3 N	75 52.6 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	11.0	5.0	24	3.0

DEPTH
3.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	37.90	41250
LITHODESMIUM UNDULATUM	2.0	21.76	23680
NITZSCHIA SERIATA	3.0	10.44	11360
RHIZOSOLENIA DELICATULA	4.0	6.42	6990
SKELETONEMA COSTATUM	5.0	4.55	4950
RHIZOSOLENIA STOLTERFOTHII	6.0	3.72	4050
RHAPHONEIS AMPHICEROS	7.0	2.88	3130
NAVICULA SP.	8.0	1.76	1920
MELOSIRA NUMMULOIDES	9.0	1.18	1280
AMPHIDINIUM CRASSUM	10.0	1.17	1270
THALASSIOTHRIX SP.	11.0	1.14	1240
MELOSIRA SULCATA	12.0	0.98	1070
GRAMMATOPHORA SP.	13.0	0.85	920
PLEUROSIGMA NORMANII	14.0	0.55	600
GYRODINIUM SP.	15.0	0.51	560
MELOSIRA MONILIFORMIS	16.0	0.41	450
SCHRODERELLA DELICATULA	17.0	0.40	430
COSCIINOSIRA SP.	18.0	0.36	390
BIDDULPHIA SP.	19.0	0.30	330
RHIZOSOLENIA HEBETATA F. SEMISPINA	20.0	0.29	320
EXUVIELLA APORA	21.0	0.28	300
PLEUROSIGMA SP.	22.0	0.27	290
COSCIINODISCUS RADIATUS	23.0	0.23	250
COSCIINODISCUS SP.	24.0	0.22	240
DIPLOSALIS SP.	25.0	0.18	200
GYMNODINIUM SP.	25.5	0.18	200
ASTEROMPHALUS HEPTACTIS	27.0	0.17	180
BIDDULPHIA MOBILIENSIS	28.0	0.16	170
PERIDINIUM CERASUS	29.0	0.15	160
COSCIINODISCUS EXCENTRICUS	30.0	0.11	120
GYROSIGMA SP.	31.0	0.10	110
THALASSIONEMA NITZSCHIOIDES	32.5	0.08	90
PERIDINIUM SP.	32.5	0.08	90
AMPHIDINIUM	34.0	0.07	80
PROROCENTRUM MICANS	35.0	0.05	50
COSCIINODISCUS MARGINATUS	36.0	0.04	40
PERIDINIUM STENII	37.5	0.03	30
MELOSIRA SP.	37.5	0.03	30
RHIZOSOLENIA SP.	39.0	0.02	20
TOTALS	39	100	108840

PERCENT
OF
TOTAL

DIATOM - - - - - 59.40
DINOFLAGELLATE - 2.70
OTHER - - - - - 37.90

STATION 60	DATE 3 SEP 80	TIME 09:30:00	LATITUDE 36 6.4 N	LONGITUDE 74 54.1 W
	SONIC DEPTH 78.0	SECCHI DEPTH 14.0	SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH 42.0

DEPTH
0.0

S P E C I E S

RANK

%

NO/L

NANNOPLANKTON	- - - - -	1.0	68.08	21580
CERATIUM TRIPOS	- - - - -	2.0	10.00	3170
NITZSCHIA SERIATA	- - - - -	3.0	5.36	1700
GYMNODINIUM SP	- - - - -	4.0	3.25	1030
CILIATE	- - - - -	5.0	1.77	560
UNIDENTIFIED DIATOMS	- - - - -	6.0	1.51	480
COSCIINODISCUS MARGINATUS	- - - - -	7.0	1.45	460
EXUVIELLA APORA	- - - - -	8.0	1.26	400
GYRODINIUM SP.	- - - - -	9.0	0.98	310
CERATIUM FUSUS	- - - - -	10.5	0.85	270
PERIDINIUM SP.	- - - - -	10.5	0.85	270
COSCIINODISCUS SP.	- - - - -	12.0	0.63	200
GYMNODINIUM PUNCTATUM	- - - - -	13.0	0.57	180
PERIDINIUM BREVIPIES	- - - - -	14.5	0.44	140
AMPHIDINIUM	- - - - -	14.5	0.44	140
GYMNODINIUM PYGMAEUM	- - - - -	16.5	0.38	120
EXUVIELLA BALTICA	- - - - -	16.5	0.38	120
COSCIINOSIRA SP.	- - - - -	18.0	0.32	100
COSCIINODISCUS RADIATUS	- - - - -	19.0	0.25	80
BIDDULPHIA MOBILIENSIS	- - - - -	21.5	0.19	60
COSCIINODISCUS EXCENTRICUS	- - - - -	21.5	0.19	60
GYRODINIUM SPIRALE	- - - - -	21.5	0.19	60
PERIDINIUM TROCHOIDEUM	- - - - -	21.5	0.19	60
PERIDINIUM DEPRESSUM	- - - - -	24.0	0.13	40
PHALACROMA SP.	- - - - -	25.0	0.09	30
PLEUROSIGMA SP.	- - - - -	27.5	0.06	20
GONYAULAX SP.	- - - - -	27.5	0.06	20
PERIDINIUM TRIQUETA	- - - - -	27.5	0.06	20
NAVICULA SP.	- - - - -	27.5	0.06	20
TOTALS		29	100	31700

PERCENT
O F
TOTAL

DIATOM	- - - - -	10.03
DINOFLAGELLATE	- - - - -	20.13
OTHER	- - - - -	69.84

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
60	3 SEP 80	09:30:00	36 6.4 N	74 54.1 W
SONIC	SECCHI	SURFACE	ONE % LIGHT	
DEPTH	DEPTH	TEMPERATURE	DEPTH	
78.0	14.0	25	42.0	

DEPTH
6.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	47.68	20540
CERATIUM TRIPOS - - - - -	2.0	30.32	13060
EXUVIELLA APORA - - - - -	3.0	6.31	2720
GYMNODINIUM SP. - - - - -	4.0	3.32	1430
GYMNODINIUM PYGMAEUM - - - - -	5.0	2.41	1040
CERATIUM FUSUS - - - - -	6.0	1.93	830
NITZSCHIA SERIATA - - - - -	7.5	1.37	590
CILIATE - - - - -	7.5	1.37	590
CERATIUM MINUTUM - - - - -	9.0	0.70	300
COSCIINODISCUS MARGINATUS - - - - -	10.0	0.65	280
GYMNODINIUM PUNCTATUM - - - - -	11.5	0.56	240
COSCIINOSIRA SP. - - - - -	11.5	0.56	240
COSCIINODISCUS RADIATUS - - - - -	13.0	0.46	200
PERIDINIUM BREVIPEDES - - - - -	14.0	0.37	160
PERIDINIUM STENII - - - - -	15.5	0.35	150
AMPHIDINIUM - - - - -	15.5	0.35	150
PERIDINIUM SP. - - - - -	17.0	0.28	120
CHAETOCEROS SP. - - - - -	18.5	0.26	110
COCHLODINIUM SP. - - - - -	18.5	0.26	110
CERATIUM TRIPOS LONG+SHORT - - - - -	20.5	0.16	70
PERIDINIUM DEPRESSUM - - - - -	20.5	0.16	70
PERIDINIUM TRIQUETA - - - - -	22.5	0.09	40
PERIDINIUM TROCHOIDEUM - - - - -	22.5	0.09	40
TOTALS	23	100	43080

PERCENT
O F
TOTAL

DIATOM - - - - - 3.30
DINOFLAGELLATE - 47.66
OTHER - - - - - 49.05

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
60	3 SEP 80	09:30:00	36 6.4 N	74 54.1 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	78.0	14.0	25	42.0

DEPTH
11.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	71.41	79060
CERATIUM TRIPOS	2.0	11.72	12980
CERATIUM MINUTUM	3.0	4.10	4540
GYMNODINIUM SP	4.0	2.98	3300
UNIDENTIFIED DIATOMS	5.0	1.21	1340
CERATIUM FUSUS	6.0	1.16	1280
CILIATE	7.0	0.92	1020
GYMNODINIUM PYGMAEUM	8.0	0.89	990
GYMNODINIUM PUNCTATUM	9.5	0.81	900
GYRODINIUM SP.	9.5	0.81	900
EXUVIELLA APORA	11.5	0.57	630
PERIDINIUM SP.	11.5	0.57	630
PERIDINIUM TRIQUETA	13.0	0.51	560
NITZSCHIA SERIATA	14.0	0.24	270
COSCINODISCUS RADIATUS	15.5	0.23	250
PERIDINIUM DEPRESSUM	15.5	0.23	250
AMPHIDINIUM	17.0	0.20	220
PERIDINIUM TROCHOIDEUM	19.0	0.17	190
PROROCENTRUM DENTATUM	19.0	0.17	190
PERIDINIUM BREVIPIES	19.0	0.17	190
OXYTOXUM SPHAEROIDEUM	21.0	0.16	180
PERIDINIUM STENII	22.5	0.14	160
COCHLODINIUM SP.	22.5	0.14	160
MELOSIRA NUMMULOIDES	24.0	0.12	130
CERATIUM TRIPOS LONG+SHORT	25.0	0.08	90
PHALARCHROMA IRREGULARE	26.0	0.07	80
EXUVIELLA BALTICA	27.5	0.04	40
DINOPHYSIS ACUTA	27.5	0.04	40
EXUVIELLA COMPRESSA	29.5	0.03	30
GONYAULAX SPINIFERA	29.5	0.03	30
DINOPHYSIS TRIPOS	31.5	0.02	20
OXYTOXUM SCEPTUM	31.5	0.02	20
COSCINODISCUS OCLUS-IRIDIS	34.5	0.01	10
PERIDINIUM DIVERGENS	34.5	0.01	10
DISTEPHANUS CRUX	34.5	0.01	10
MURRAYELLA SPINOSA	34.5	0.01	10
TOTALS	36	100	110710

PERCENT
OF
TOTAL

DIATOM	1.81
DINOFLAGELLATE	25.85
OTHER	72.34

- DATA NOT TAKEN

STATION 60	DATE 3 SEP 80	TIME 09:30:00	LATITUDE 36 6.4 N	LONGITUDE 74 54.1 W
	SONIC DEPTH 78.0	SECCHI DEPTH 14.0	SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH 42.0

DEPTH
18.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	74.96	46440
GYMNODINIUM SP	2.0	5.38	3330
CILIATE	3.0	3.54	2190
CERATIUM TRIPOS	4.0	2.97	1840
GYRODINIUM SP.	5.0	1.99	1230
EXUVIELLA APORA	6.0	1.42	880
GYMNODINIUM PUNCTATUM	7.0	1.36	840
GYMNODINIUM PYGMAEUM	8.0	1.02	630
GYMNODINIUM SIMPLEX	9.0	0.82	510
PERIDINIUM SP.	10.0	0.77	480
CERATIUM MINUTUM	11.5	0.71	440
PROROCENTRUM DENTATUM	11.5	0.71	440
OXYTOXUM SPHAEROIDEUM	13.0	0.69	430
PERIDINIUM TRIQUETA	14.0	0.65	400
COSCIINODISCUS RADIATUS	15.0	0.56	350
COCHLODINIUM SP.	16.0	0.50	310
PERIDINIUM BREVIPIES	17.0	0.45	280
PERIDINIUM TROCHOIDEUM	18.0	0.39	240
AMPHIDINIUM	19.0	0.29	180
GONYAULAX SPINIFERA	20.0	0.26	160
CERATIUM FUSUS	21.0	0.10	60
PHALACROMA SP.	24.0	0.06	40
PERIDINIUM DEPRESSUM	24.0	0.06	40
SYRACOSPHERA SP.	24.0	0.06	40
CERATIUM LINEATUM	24.0	0.06	40
PROROCENTRUM MICANS	24.0	0.06	40
CERATIUM TRIPOS LONG+SHORT	27.0	0.05	30
EXUVIELLA COMPRESSA	28.5	0.03	20
DISTEPHANUS CRUX	28.5	0.03	20
OXYTOXUM SCOLOPAX	30.5	0.02	10
OXYTOXUM SP.	30.5	0.02	10
TOTALS	31	100	61950

PERCENT
OF
TOTAL

DIATOM - - - - - 0.56
DINOFLAGELLATE - 20.84
OTHER - - - - - 78.60

- DATA NOT TAKEN

```

-----
STATION      DATE      TIME      LATITUDE      LONGITUDE
  60         3 SEP 80   09:30:00    36  6.4 N    74 54.1 W
-----
                SONIC      SECCHI      SURFACE      ONE % LIGHT
                DEPTH      DEPTH      TEMPERATURE  DEPTH
                78.0      14.0      25          42.0
-----

DEPTH
27.0
-----

```

S P E C I E S.	RANK	%	NO/L
NANNOPLANKTON	1.0	82.73	55120
GYMNODINIUM SP	2.0	3.77	2510
GYMNODINIUM SIMPLEX	3.0	3.36	2240
GYMNODINIUM PUNCTATUM	4.0	2.64	1760
DINOPHYSIS ACUMINATA	5.0	1.13	750
PERIDINIUM TRIQUETA	6.0	1.02	680
GYRODINIUM SP.	7.0	1.01	670
PERIDINIUM TROCHOIDEUM	8.0	0.83	550
GYMNODINIUM PYGMAEUM	9.0	0.75	500
COCHLODINIUM SP.	10.0	0.48	320
AMPHIDINIUM	11.0	0.42	280
CERATIUM TRIPOS	12.5	0.41	270
OXYTOXUM SPHAEROIDEUM	12.5	0.41	270
SYRACOSPHAERA SP.	14.0	0.24	160
UNIDENTIFIED DINOFLAGELLATES	15.0	0.20	130
CILIATE	16.0	0.14	90
PROROCENTRUM DENTATUM	17.0	0.12	80
GYRODINIUM PINGUE	18.0	0.06	40
DISTEPHANUS CRUX	19.5	0.05	30
OXYTOXUM SCEPTUM 0	19.5	0.05	30
CERATIUM MINUTUM	23.5	0.03	20
AMPHIDINIUM LATUM	23.5	0.03	20
PERIDINIUM STENII	23.5	0.03	20
NAVICULA SP.	23.5	0.03	20
GONYAULAX SP.	23.5	0.03	20
CERATIUM FUSUS	23.5	0.03	20
CERATIUM SP.	28.0	0.02	10
RHIZOSOLENIA SP.	28.0	0.02	10
CERATIUM LINEATUM	28.0	0.02	10
TOTALS	29	100	66630

PERCENT
O F
TOTAL

DIATOM	0.05
DINOFLAGELLATE	16.81
OTHER	83.15

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
60	3 SEP 80	09:30:00	36 6.4 N	74 54.1 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	78.0	14.0	25	42.0

DEPTH
42.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	87.68	43420
GYMNODINIUM SIMPLEX	2.0	4.14	2050
GYMNODINIUM SP	3.0	1.45	720
EXUVIELLA APORA	4.0	0.89	440
CILIATE	5.0	0.87	430
AMPHIDINIUM	6.0	0.75	370
GYMNODINIUM PUNCTATUM	7.0	0.71	350
GYMNODINIUM PYGMAEUM	8.5	0.65	320
COCHLODINIUM SP.	8.5	0.65	320
GYRODINIUM SP.	10.0	0.59	290
PERIDINIUM TRIQUETA	11.0	0.44	220
GYRODINIUM PINGUE	12.0	0.40	200
OXYTOXUM SPHAEROIDEUM	13.0	0.22	110
PERIDINIUM DIABOLUS	14.0	0.12	60
GYRODINIUM SPIRALE	15.0	0.10	50
PERIDINIUM BREVIPIES	16.0	0.08	40
DIPLOSALIS SP.	18.5	0.04	20
GYMNODINIUM SPLENDENS	18.5	0.04	20
PERIDINIUM TROCHOIDEUM	18.5	0.04	20
CERATIUM TRIPOS	18.5	0.04	20
AMPHIDINIUM LATUM	23.0	0.02	10
OXYTOXUM GLADIOLUS	23.0	0.02	10
GONYAULAX SP.	23.0	0.02	10
OXYTOXUM RETICULATUM	23.0	0.02	10
CERATIUM FUSUS	23.0	0.02	10
TOTALS	25	100	49520

PERCENT
O F
TOTAL

DIATOM	0.00
DINOFLAGELLATE	11.45
OTHER	88.55

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON -

STATION	DATE	TIME	LATITUDE	LONGITUDE
60	3 SEP 80	09:30:00	36 6.4 N	74 54.1 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	78.0	14.0	25	42.0

DEPTH
60.0

S P E C I E S	RANK	%	NO/L
EXUVIELLA APORA - - - - -	1.0	36.23	7340
GYMNODINIUM SIMPLEX - - - - -	2.0	17.62	3570
GYMNODINIUM SP - - - - -	3.0	12.64	2560
GYMNODINIUM PYGMAEUM - - - - -	4.0	8.84	1790
AMPHIDINIUM - - - - -	5.0	6.02	1220
CILIATE - - - - -	6.0	5.73	1160
GYRODINIUM SP. - - - - -	7.0	5.18	1050
GYMNODINIUM PUNCTATUM - - - - -	8.0	4.99	1010
PERIDINIUM SP. - - - - -	9.0	0.79	160
COCHLODINIUM SP. - - - - -	10.0	0.64	130
PERIDINIUM TRIQUETA - - - - -	11.5	0.25	50
GYRODINIUM SPIRALE - - - - -	11.5	0.25	50
PERIDINIUM TROCHOIDEUM - - - - -	13.5	0.20	40
CERATIUM MINUTUM - - - - -	13.5	0.20	40
DINOPHYSIS ACUTA - - - - -	16.0	0.10	20
PERIDINIUM BREVIPES - - - - -	16.0	0.10	20
OXYTOXUM SPHAEROIDEUM - - - - -	16.0	0.10	20
GYMNODINIUM SPLENDENS - - - - -	19.0	0.05	10
CERATIUM FUSUS - - - - -	19.0	0.05	10
OXYTOXUM SCEPTRUM 0 - - - - -	19.0	0.05	10
TOTALS	20	100	20260

PERCENT
O F
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE -	94.27
OTHER - - - - -	5.73

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
67	4 SEP 80	09:00:00	35 32.9 N	74 43.5 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
1662.0	25.0	27	60.0	

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	72.04	14220
CILIATE	2.0	7.75	1530
PERIDINIUM TRIQUETA	3.0	5.22	1030
GYMNODINIUM SIMPLEX	4.0	5.02	990
GYMNODINIUM PUNCTATUM	5.0	2.58	510
GYMNODINIUM SP.	6.0	2.23	440
GYMNODINIUM PYGMAEUM	7.0	1.32	260
GYRODINIUM SP.	8.0	1.01	200
AMPHIDINIUM	9.0	0.86	170
EXUVIELLA APORA	10.0	0.66	130
PERIDINIUM TROCHOIDEUM	11.0	0.51	100
EXUVIELLA COMPRESSA	12.0	0.30	60
PERIDINIUM SP.	13.0	0.15	30
COCHLODINIUM SP.	15.0	0.10	20
OXYTOXUM SPHAEROIDEUM	15.0	0.10	20
RHAPHONEIS AMPHICEROS	15.0	0.10	20
OXYTOXUM SCOLOPAX	17.0	0.05	10
TOTALS	17	100	19740

PERCENT
O F
TOTAL

DIATOM - - - - - 0.10
DINOFLAGELLATE - 20.11
OTHER - - - - - 79.79

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
67	4 SEP 80	09:00:00	35 32.9 N	74 43.5 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	1662.0	25.0	27	60.0
DEPTH				
8.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	89.09	8740
CILIATE	2.0	2.34	230
PERIDINIUM TRIQUETA	3.0	2.04	200
EXUVIELLA APORA	4.0	1.22	120
GYMNODINIUM SP	5.5	1.12	110
GYMNODINIUM PUNCTATUM	5.5	1.12	110
GYRODINIUM SP.	7.0	0.82	80
EUCAMPIA ZODIACUS	8.0	0.61	60
GYMNODINIUM SIMPLEX	9.0	0.51	50
GYMNODINIUM PYGMAEUM	10.0	0.41	40
PERIDINIUM TROCHOIDEUM	11.0	0.31	30
PERIDINIUM SP.	12.5	0.20	20
NITZSCHIA SERIATA	12.5	0.20	20
TOTALS	13	100	9810

PERCENT OF TOTAL	
DIATOM	0.82
DINOFLAGELLATE	7.75
OTHER	91.44

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
67	4 SEP 80	09:00:00	35 32.9 N	74 43.5 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
1662.0	25.0	27	60.0

DEPTH
15.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	91.21	15360
CILIATE	2.0	3.03	510
GYMNODINIUM PUNCTATUM	3.0	1.54	260
PERIDINIUM TRIQUETA	4.0	1.07	180
GYMNODINIUM SIMPLEX	5.0	0.95	160
GYRODINIUM SP.	6.0	0.65	110
GYMNODINIUM SP.	7.0	0.48	80
GYMNODINIUM PYGMAEUM	8.0	0.42	70
EXUVIELLA APORA	9.0	0.24	40
OXYTOXUM SPHAEROIDEUM	11.0	0.12	20
AMPHIDINIUM	11.0	0.12	20
COCHLODINIUM SP.	11.0	0.12	20
PLEUROSIGMA SP.	13.0	0.06	10
TOTALS	13	100	16840

PERCENT
O F
TOTAL

DIATOM	0.06
DINOFLAGELLATE	5.70
OTHER	94.24

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
67	4 SEP 80	09:00:00	35 32.9 N	74 43.5 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	1662.0	25.0	27	60.0

DEPTH
25.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	88.16	28080
PERIDINIUM TRIQUETA	2.0	2.76	880
CILIATE	3.0	2.39	760
GYMNODINIUM PUNCTATUM	4.0	2.20	700
GYMNODINIUM SIMPLEX	5.0	1.54	490
GYMNODINIUM SP	6.0	0.91	290
GYRODINIUM SP.	7.0	0.75	240
AMPHIDINIUM	8.0	0.60	190
GYMNODINIUM PYGMAEUM	9.0	0.22	70
OXYTOXUM SPHAEROIDEUM	10.0	0.19	60
OXYTOXUM SCEPTUM	11.5	0.09	30
EXUVIELLA APORA	11.5	0.09	30
PERIDINIUM STENII	13.0	0.06	20
PROROCENTRUM MICANS	14.0	0.03	10
TOTALS	14	100	31850

PERCENT
O F
TOTAL

DIATOM	0.00
DINOFLAGELLATE	9.45
OTHER	90.55

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
67	4 SEP 80	09:00:00	35 32.9 N	74 43.5 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
1662.0	25.0	27	60.0	
DEPTH				
30.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	90.33	20640
CILIATE - - - - -	2.0	3.19	730
GYMNODINIUM PUNCTATUM - - - - -	3.0	2.84	650
GYMNODINIUM SIMPLEX - - - - -	4.0	2.14	490
AMPHIDINIUM - - - - -	5.0	0.35	80
GYRODINIUM SP. - - - - -	6.0	0.31	70
PERIDINIUM TRIQUETA - - - - -	7.5	0.22	50
COCHLODINIUM SP. - - - - -	7.5	0.22	50
GYMNODINIUM SP. - - - - -	9.0	0.18	40
PERIDINIUM SP. - - - - -	10.0	0.13	30
RHAPHONEIS AMPHICEROS - - - - -	11.5	0.04	10
PERIDINIUM CERASUS - - - - -	11.5	0.04	10
TOTALS	12	100	22850

PERCENT
O F
TOTAL

DIATOM - - - - - 0.04
DINOFLAGELLATE - 6.43
OTHER - - - - - 93.52

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
67	4 SEP 80	09:00:00	35 32.9 N	74 43.5 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	1662.0	25.0	27	60.0

DEPTH
40.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	91.28	16740
CILIATE	2.0	2.51	460
GYMNODINIUM PUNCTATUM	3.0	1.53	280
PERIDINIUM TRIQUETA	4.0	1.47	270
GYMNODINIUM SIMPLEX	5.0	0.93	170
GYRODINIUM SP.	6.0	0.76	140
GYMNODINIUM SP	7.0	0.60	110
GYMNODINIUM PYGMAEUM	8.0	0.33	60
EXUVIELLA APORA	9.0	0.27	50
AMPHIDINIUM	10.5	0.16	30
OXYTOXUM SPHAEROIDEUM	10.5	0.16	30
TOTALS	11	100	18340

PERCENT
O F
TOTAL

DIATOM	0.00
DINOFLAGELLATE	6.22
OTHER	93.78

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
67	4 SEP 80	09:00:00	35 32.9 N	74 43.5 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	1662.0	25.0	27	60.0

DEPTH
60.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	89.63	4410
THALASSIONEMA NITZSCHIOIDES	2.0	2.24	110
GYMNODINIUM PUNCTATUM	3.0	1.63	80
GYMNODINIUM SIMPLEX	5.0	0.81	40
COSCIINOSIRA SP.	5.0	0.81	40
BIDDULPHIA ALTERNANS	5.0	0.81	40
AMPHIDINIUM	8.0	0.61	30
EXUVIELLA APORA	8.0	0.61	30
COSCIINODISCUS MARGINATUS	8.0	0.61	30
PERIDINIUM TRIQUETA	11.5	0.41	20
BIDDULPHIA AURITA	11.5	0.41	20
COCHLODINIUM SP.	11.5	0.41	20
GYMNODINIUM PYGMAEUM	11.5	0.41	20
EXUVIELLA BALITICA	15.0	0.20	10
PODOLAMPAS PALMIPES	15.0	0.20	10
PERIDINIUM CERASUS	15.0	0.20	10
TOTALS	16	100	4920

PERCENT
OF
TOTAL

DIATOM	4.88
DINOFLAGELLATE	5.49
OTHER	89.63

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
76	5 SEP 80	08:30:00	36 32.3 N	74 28.6 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
1925.0	27.0	26	75.0	

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	75.09	12840
GYMNODINIUM PUNCTATUM - - - - -	2.0	9.30	1590
CILIATE - - - - -	3.0	3.33	570
GYMNODINIUM SIMPLEX - - - - -	4.0	2.11	360
SYRACOSPHAERA SP. - - - - -	5.5	1.93	330
PERIDINIUM TRIQUETA - - - - -	5.5	1.93	330
GYRODINIUM SP. - - - - -	7.0	1.87	320
GYMNODINIUM SP. - - - - -	8.0	1.58	270
EXUVIELLA APORA - - - - -	9.5	0.70	120
PERIDINIUM TROCHOIDEUM - - - - -	9.5	0.70	120
OXYTOXUM SPHAEROIDEUM - - - - -	11.0	0.47	80
GYMNODINIUM PYGMAEUM - - - - -	12.0	0.23	40
NAVICULA SP. - - - - -	13.5	0.18	30
PERIDINIUM SP. - - - - -	13.5	0.18	30
RHAPHONEIS AMPHICEROS - - - - -	15.5	0.12	20
CERATIUM FURCA - - - - -	15.5	0.12	20
GONYAULAX SP. - - - - -	18.0	0.06	10
PHALARCHROMPULCHELLUM - - - - -	18.0	0.06	10
UNIDENTIFIED DINOFLAGELLATES - - -	18.0	0.06	10
TOTALS	19	100	17100

PERCENT
O F
TOTAL

DIATOM - - - - - 0.29
DINOFLAGELLATE - 19.36
OTHER - - - - - 80.35

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 76	DATE 5 SEP 80	TIME 08:30:00	LATITUDE 36 32.3 N	LONGITUDE 74 28.6 W
	SONIC DEPTH 1925.0	SECCHI DEPTH 27.0	SURFACE TEMPERATURE 26	ONE % LIGHT DEPTH 75.0

DEPTH
10.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	80.58	11870
GYMNODINIUM PUNCTATUM - - - - -	2.0	10.32	1520
GYRODINIUM SP. - - - - -	3.0	2.51	370
CILIATE - - - - -	4.0	1.90	280
GYMNODINIUM SIMPLEX - - - - -	5.0	1.29	190
PERIDINIUM TRIQUETA - - - - -	6.0	1.09	160
GYMNODINIUM SP - - - - -	7.0	0.54	80
PERIDINIUM SP. - - - - -	8.0	0.48	70
GYMNODINIUM PYGMAEUM - - - - -	10.0	0.20	30
AMPHIDINIUM - - - - -	10.0	0.20	30
EXUVIELLA APORA - - - - -	10.0	0.20	30
RHAPHONEIS AMPHICEROS - - - - -	13.5	0.14	20
OXYTOXUM SPHAEROIDEUM - - - - -	13.5	0.14	20
COCHLODINIUM SP. - - - - -	13.5	0.14	20
GYRODINIUM PINGUE - - - - -	13.5	0.14	20
NAVICULA SP. - - - - -	16.5	0.07	10
DIPLOSALIS SP. - - - - -	16.5	0.07	10
TOTALS	17	100	14730

PERCENT
O F
TOTAL

DIATOM - - - - - 0.20
DINOFLAGELLATE - 17.31
OTHER - - - - - 82.48

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
76	5 SEP 80	08:30:00	36 32.3 N	74 28.6 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	1925.0	27.0	26	75.0

DEPTH
20.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	77.86	14560
GYMNODINIUM PUNCTATUM	2.0	8.24	1540
CILIATE	3.0	2.94	550
PERIDINIUM TRIQUETA	4.0	2.14	400
GYMNODINIUM SIMPLEX	5.0	1.98	370
GYRODINIUM SP.	6.0	1.23	230
GYMNODINIUM SP	7.0	1.07	200
COCHLODINIUM SP.	8.0	1.02	190
EXUVIELLA APORA	9.0	0.70	130
OXYTOXUM SPHAEROIDEUM	10.0	0.53	100
PERIDINIUM SP.	11.0	0.48	90
CERATIUM TRIPOS	12.5	0.43	80
PERIDINIUM TROCHOIDEUM	12.5	0.43	80
OPHIASTER FORMOSUS	14.0	0.37	70
AMPHIDINIUM	15.0	0.21	40
GYMNODINIUM PYGMAEUM	16.0	0.16	30
PERIDINIUM STENII	18.5	0.05	10
PROROCENTRUM DENTATUM	18.5	0.05	10
DISTEPHANUS CRUX	18.5	0.05	10
PODOLAMPAS PALMIPES	18.5	0.05	10
TOTALS	20	100	18700

PERCENT
O F
TOTAL

DIATOM	0.00
DINOFLAGELLATE	18.77
OTHER	81.23

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
76	5 SEP 80	08:30:00	36 32.3 N	74 28.6 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
1925.0	27.0	26	75.0

DEPTH
30.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	74.32	29580
GYMNODINIUM PUNCTATUM	2.0	5.70	2270
PERIDINIUM TRIQUETA	3.0	4.72	1880
GYMNODINIUM SP.	4.0	2.56	1020
SYRACOSPHAERA SP.	5.0	2.04	810
CILIATE	6.0	1.91	760
GYMNODINIUM SIMPLEX	7.0	1.68	670
GYRODINIUM SP.	8.0	1.48	590
CERATIUM TRIPOS	9.0	1.06	420
COCHLODINIUM SP.	10.0	0.70	280
OXYTOXUM SPHAEROIDEUM	11.0	0.68	270
EXUVIELLA APORA	12.0	0.63	250
AMPHIDINIUM	13.0	0.53	210
GYMNODINIUM PYGMAEUM	14.0	0.50	200
PERIDINIUM SP.	15.0	0.28	110
PERIDINIUM TROCHOIDEUM	16.0	0.25	100
PERIDINIUM STENII	17.5	0.13	50
OXYTOXUM DIPLOCONUS	17.5	0.13	50
OPHIASTER FORMOSUS	20.5	0.10	40
DISTEPHANUS CRUX	20.5	0.10	40
OXYTOXUM SCOLOPAX	20.5	0.10	40
PERIDINIUM OBLONGUM	20.5	0.10	40
NITZSCHIA PUNGENS V. ATLANTICA	23.0	0.08	30
PHALARCHROMPULCHELLUM	25.0	0.05	20
CERATIUM FUSUS	25.0	0.05	20
PHALARCHROMA IRREGULARE	25.0	0.05	20
UNIDENTIFIED DINOFLAGELLATES	28.0	0.03	10
OXYTOXUM SP.	28.0	0.03	10
OXYTOXUM SCEPTUM	28.0	0.03	10
TOTALS	29	100	39800

PERCENT
OF
TOTAL

DIATOM	0.08
DINOFLAGELLATE	21.46
OTHER	78.47

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
76	5 SEP 80	08:30:00	36 32.3 N	74 28.6 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	1925.0	27.0	26	75.0

DEPTH
50.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	81.18	11040
CILIATE	2.0	4.41	600
COCHLODINIUM SP.	3.0	2.65	360
AMPHIDINIUM	4.0	1.69	230
GYRODINIUM SP.	5.0	1.62	220
GYMNODINIUM SP.	6.0	1.47	200
GYMNODINIUM SIMPLEX	7.5	1.10	150
PERIDINIUM TRIQUETA	7.5	1.10	150
NITZSCHIA DELICATISSIMA	9.0	0.81	110
GYMNODINIUM PYGMAEUM	10.0	0.74	100
PERIDINIUM SP.	11.0	0.66	90
PROROCENTRUM DENTATUM	12.0	0.59	80
OXYTOXUM SPHAEROIDEUM	13.5	0.37	50
DIPLOSALIS SP.	13.5	0.37	50
OPHIASTER FORMOSUS	15.5	0.29	40
CERATIUM FUSUS	15.5	0.29	40
PERIDINIUM TROCHOIDEUM	17.0	0.22	30
PHALARCHROMA IRREGULARE	18.5	0.15	20
CERATIUM TRIPOS	18.5	0.15	20
NAVICULA SP.	20.5	0.07	10
PERIDINIUM STENII	20.5	0.07	10
TOTALS	21	100	13600

PERCENT
OF
TOTAL

DIATOM	0.88
DINOFLLAGELLATE	13.24
OTHER	85.88

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
76	5 SEP 80	08:30:00	36 32.3 N	74 28.6 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
1925.0	27.0	26	75.0

DEPTH
75.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	96.20	4050
CILIATE	2.0	1.43	60
RHAPHONEIS AMPHICEROS	3.5	0.95	40
PERIDINIUM TRIQUETA	3.5	0.95	40
EXUVIELLA APORA	5.0	0.48	20
TOTALS	5	100	4210

	PERCENT OF TOTAL
DIATOM	0.95
DINOFLAGELLATE	1.43
OTHER	97.62

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
86	6 SEP 80	07:30:00	37 3.0 N	74 49.1 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
62.0	26.0	25	60.0

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	74.23	10370
GYMNODINIUM PUNCTATUM	2.0	10.02	1400
GYMNODINIUM SIMPLEX	3.0	3.51	490
PERIDINIUM TRIQUETA	4.0	3.44	480
CILIATE	5.0	3.22	450
AMPHIDINIUM	6.0	2.08	290
GYMNODINIUM SP	7.0	1.07	150
EXUVIELLA APORA	8.0	1.00	140
GYMNODINIUM PYGMAEUM	9.0	0.86	120
COCHLODINIUM SP.	10.0	0.57	80
TOTALS	10	100	13970

PERCENT
O F
TOTAL

DIATOM	0.00
DINOFLAGELLATE	22.55
OTHER	77.45

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
86	6 SEP 80	07:30:00	37 3.0 N	74 49.1 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	62.0	26.0	25	60.0

DEPTH
8.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	79.29	8540
CILIATE	2.0	4.55	490
GYMNODINIUM SIMPLEX	3.0	2.79	300
GYMNODINIUM PUNCTATUM	4.0	2.69	290
GYMNODINIUM SP.	5.0	1.86	200
GYRODINIUM SP.	6.0	1.67	180
AMPHIDINIUM	7.0	1.49	160
EXUVIELLA APORA	8.5	1.21	130
PERIDINIUM TRIQUETA	8.5	1.21	130
COCHLODINIUM SP.	10.0	1.02	110
PERIDINIUM SP.	11.0	0.84	90
PERIDINIUM CERASUS	12.0	0.65	70
RHAPHONEIS AMPHICEROS	13.5	0.37	40
SYRACOSPHAERA SP.	13.5	0.37	40
TOTALS	14	100	10770

PERCENT
O F
TOTAL

DIATOM	0.37
DINOFLAGELLATE	15.41
OTHER	84.22

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 86	DATE 6 SEP 80	TIME 07:30:00	LATITUDE 37 3.0 N	LONGITUDE 74 49.1 W
	SONIC DEPTH 62.0	SECCHI DEPTH 26.0	SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH 60.0
DEPTH 15.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	85.66	12250
GYMNODINIUM PUNCTATUM	2.0	5.31	760
PERIDINIUM TRIQUETA	3.0	2.52	360
CILIATE	4.0	2.17	310
GYRODINIUM SP.	5.0	1.26	180
GYMNODINIUM SIMPLEX	6.0	0.70	100
AMPHIDINIUM	7.0	0.56	80
EXUVIELLA APORA	8.0	0.42	60
COCHLODINIUM SP.	9.0	0.35	50
SYRACOSPHAERA SP.	10.5	0.28	40
OXYTOXUM SPHAEROIDEUM	10.5	0.28	40
GYMNODINIUM SP	12.5	0.21	30
OPHIASTER FORMOSUS	12.5	0.21	30
UNIDENTIFIED DINOFLAGELLATES	14.0	0.07	10
TOTALS	14	100	14300

 PERCENT
O F
TOTAL

DIATOM	0.00
DINOFLAGELLATE	11.68
OTHER	88.32

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
86	6 SEP 80	07:30:00	37 3.0 N	74 49.1 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
62.0	26.0	25	60.0

DEPTH
25.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	79.15	18180
GYMNODINIUM PUNCTATUM - - - - -	2.0	4.01	920
CERATIUM TRIPOS - - - - -	3.0	3.61	830
PERIDINIUM TRIQUETA - - - - -	4.0	3.31	760
GYMNODINIUM SP - - - - -	5.0	2.53	580
GYMNODINIUM SIMPLEX - - - - -	6.0	2.48	570
AMPHIDINIUM - - - - -	7.0	1.18	270
CILIATE - - - - -	8.0	1.00	230
GYRODINIUM SP. - - - - -	9.0	0.87	200
EXUVIELLA APORA - - - - -	10.0	0.61	140
CERATIUM TRIPOS LONG+SHORT - - - - -	11.0	0.48	110
PERIDINIUM SP. - - - - -	12.0	0.35	80
OXYTOXUM SPHAEROIDEUM - - - - -	13.0	0.17	40
PERIDINIUM DEPRESSUM - - - - -	14.0	0.13	30
DINOPHYSIS TRIPOS - - - - -	15.0	0.09	20
CERATIUM SP. - - - - -	16.0	0.04	10
TOTALS	16	100	22970

PERCENT
OF
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE -	19.85
OTHER - - - - -	80.15

- DATA NOT TAKEN

STATION 86	DATE 6 SEP 80	TIME 07:30:00	LATITUDE 37 3.0 N	LONGITUDE 74 49.1 W
	SONIC DEPTH 62.0	SECCHI DEPTH 26.0	SURFACE TEMPERATURE 25	ONE % LIGHT DEPTH 60.0

DEPTH
40.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	85.32	18080
SCHRODERELLA DELICATULA	2.0	2.64	560
EXUVIELLA APORA	3.0	2.08	440
GYMNODINIUM SP	4.0	1.23	260
GYMNODINIUM PUNCTATUM	5.0	1.13	240
GYRODINIUM SP.	6.0	1.09	230
PERIDINIUM SP.	7.0	0.94	200
DINOPHYSIS ACUTA	8.0	0.90	190
CERATIUM TRIPOS	9.0	0.76	160
COSCIOSIRA SP.	10.0	0.71	150
MELOSIRA SULCATA	11.0	0.52	110
COSCIODISCUS EXCENTRICUS	12.0	0.42	90
GONYAULAX SP.	13.0	0.38	80
COCHLODINIUM SP.	14.0	0.33	70
PERIDINIUM BREVIPE	15.0	0.24	50
PERIDINIUM DEPRESSUM	17.5	0.19	40
PERIDINIUM TRIQUETA	17.5	0.19	40
GYMNODINIUM SIMPLEX	17.5	0.19	40
THALASSIOSIRA SP.	17.5	0.19	40
GYRODINIUM PINGUE	20.5	0.14	30
CILIATE	20.5	0.14	30
PROROCENTRUM MICANS	23.0	0.09	20
GYMNODINIUM PYGMAEUM	23.0	0.09	20
UNIDENTIFIED DINOFLAGELLATES	23.0	0.09	20
TOTALS	24	100	21190

PERCENT
O F
TOTAL

DIATOM	4.48
DINOFLAGELLATE	10.05
OTHER	85.46

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
86	6 SEP 80	07:30:00	37 3.0 N	74 49.1 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
62.0	26.0	25	60.0

DEPTH
60.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	77.89	11200
EXUVIELLA APORA	2.0	2.43	350
PERIDINIUM SP.	3.0	2.16	310
PERIDINIUM BREVIPIES	4.0	2.02	290
CILIATE	6.0	1.39	200
SCHRODERELLA DELICATULA	6.0	1.39	200
GYRODINIUM SP.	6.0	1.39	200
COSCONODISCUS EXCENTRICUS	8.0	1.32	190
AMPHIDINIUM	9.0	1.18	170
COSCONODISCUS RADIATUS	10.0	1.04	150
MELOSIRA SULCATA	11.5	0.90	130
GYMNODINIUM PUNCTATUM	11.5	0.90	130
NITZSCHIA DELICATISSMA	13.0	0.83	120
DINOPHYSIS ACUTA	14.0	0.76	110
GYMNODINIUM SP.	15.0	0.70	100
RHIZOSOLENIA SP.	17.0	0.56	80
COSCONODISCUS SP.	17.0	0.56	80
CERATIUM TRIPOS	17.0	0.56	80
COSCONOSIRA SP.	19.5	0.49	70
MELOSIRA SP.	19.5	0.49	70
COCHLODINIUM SP.	21.0	0.35	50
NITZSCHIA CLOSTERIUM	22.5	0.21	30
PERIDINIUM TRIQUETA	22.5	0.21	30
DIPLOSALIS SP.	24.5	0.14	20
GUINARDIA FLACCIDA	24.5	0.14	20
TOTALS	25	100	14380

PERCENT
O F
TOTAL

DIATOM	7.93
DINOFLAGELLATE	12.80
OTHER	79.28

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
95	7 SEP 80	08:30:00	37 54.8 N	74 1.3 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
160.0	23.0	24	60.0

DEPTH
0.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	70.73	9340
GYMNODINIUM PUNCTATUM - - - - -	2.0	5.60	740
CILIATE - - - - -	3.0	5.45	720
GYMNODINIUM PYGMAEUM - - - - -	4.0	3.94	520
GYMNODINIUM SIMPLEX - - - - -	5.0	3.71	490
PERIDINIUM TROCHOIDEUM - - - - -	6.0	1.97	260
CERATIUM FUSUS - - - - -	7.5	1.89	250
GYMNODINIUM SP. - - - - -	7.5	1.89	250
PERIDINIUM SP. - - - - -	9.0	1.06	140
EXUVIELLA APORA - - - - -	10.0	0.91	120
EXUVIELLA COMPRESSA - - - - -	11.0	0.76	100
PERIDINIUM CERASUS - - - - -	12.0	0.61	80
PERIDINIUM TRIQUETA - - - - -	13.0	0.53	70
CERATIUM TRIPOS - - - - -	14.0	0.50	66
PERIDINIUM DEPRESSUM - - - - -	15.0	0.30	40
DIPLOSALIS SP. - - - - -	16.0	0.15	20
TOTALS	16	100	13206

PERCENT
OF
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE -	23.82
OTHER - - - - -	76.18

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
95	7 SEP 80	08:30:00	37 54.8 N	74 1.3 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	160.0	23.0	24	60.0

DEPTH
8.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	80.28	9280
GYMNODINIUM PUNCTATUM - - - - -	2.0	4.07	470
GYMNODINIUM SIMPLEX - - - - -	3.0	3.03	350
CILIATE - - - - -	4.0	2.94	340
GYMNODINIUM SP. - - - - -	5.5	2.25	260
GYRODINIUM SP. - - - - -	5.5	2.25	260
AMPHIDINIUM - - - - -	7.0	1.04	120
COCHLODINIUM SP. - - - - -	8.0	0.87	100
PERIDINIUM TROCHOIDEUM - - - - -	9.0	0.69	80
PERIDINIUM SP. - - - - -	10.5	0.61	70
PERIDINIUM TRIQUETA - - - - -	10.5	0.61	70
PERIDINIUM DEPRESSUM - - - - -	12.0	0.52	60
CERATIUM TRIPOS - - - - -	13.0	0.35	40
PERIDINIUM STENII - - - - -	14.0	0.26	30
EXUVIELLA COMPRESSA - - - - -	15.0	0.17	20
CERATIUM TEREZ - - - - -	16.0	0.09	10
TOTALS	16	100	11560

PERCENT
O F
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE - -	16.78
OTHER - - - - -	83.22

- DATA NOT TAKEN

STATION	DATE	TIME	LATITUDE	LONGITUDE
95	7 SEP 80	08:30:00	37 54.8 N	74 1.3 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	160.0	23.0	24	60.0
DEPTH				
15.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	82.62	11750
GYMNODINIUM SP	2.0	3.94	560
CILIATE	3.0	3.38	480
GYMNODINIUM SIMPLEX	4.0	2.18	310
GYRODINIUM SP.	5.0	1.76	250
EXUVIELLA APORA	6.0	0.91	130
GYMNODINIUM PYGMAEUM	7.5	0.84	120
EUCAMPIDIA ZODIACUS	7.5	0.84	120
AMPHIDINIUM	9.0	0.77	110
PERIDINIUM TROCHOIDEUM	10.5	0.56	80
PERIDINIUM TRIQUETA	10.5	0.56	80
CERATIUM FUSUS	12.0	0.49	70
GYRODINIUM SPIRALE	14.0	0.35	50
PERIDINIUM CERASUS	14.0	0.35	50
PERIDINIUM SP.	14.0	0.35	50
EXUVIELLA COMPRESSA	16.0	0.08	12
TOTALS	16	100	14222

PERCENT
O F
TOTAL

DIATOM	0.84
DINOFLAGELLATE	13.16
OTHER	85.99

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
95	7 SEP 80	08:30:00	37 54.8 N	74 1.3 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
160.0	23.0	24	60.0

DEPTH
30.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	80.79	52200
GYMNODINIUM PUNCTATUM	2.0	5.45	3520
PERIDINIUM TRIQUETA	3.0	3.14	2030
GYMNODINIUM PYGMAEUM	4.0	2.54	1640
CILIATE	5.0	1.49	960
GYMNODINIUM SP	6.0	1.35	870
PROROCENTRUM DENTATUM	7.0	0.91	590
GYRODINIUM SP.	8.0	0.79	510
AMPHIDINIUM	9.0	0.62	400
CERATIUM TRIPOS	10.0	0.51	330
EXUVIELLA APORA	11.0	0.50	320
PERIDINIUM TROCHOIDEUM	12.0	0.29	190
EXUVIELLA COMPRESSA	13.5	0.25	160
AMPHIDINIUM LATUM	13.5	0.25	160
PERIDINIUM SP.	15.0	0.22	140
CERATIUM FUSUS	16.0	0.19	120
MURRAYELLA SPINOSA	17.5	0.12	80
OXYTOXUM SPHAEROIDEUM	17.5	0.12	80
UNIDENTIFIED DIATOMS	19.5	0.08	50
GRAMMATOPHORA SP.	19.5	0.08	50
PERIDINIUM CERASUS	22.0	0.06	40
DISTEPHANUS CRUX	22.0	0.06	40
COSCINODISCUS CONCINNUS	22.0	0.06	40
UNIDENTIFIED DINOFLAGELLATES	25.0	0.05	30
PERIDINIUM DIABOLUS	25.0	0.05	30
AMPHIDINIUM CRASSUM	25.0	0.05	30
TOTALS	26	100	64610

PERCENT
O F
TOTAL

DIATOM	0.22
DINOFLAGELLATE	17.44
OTHER	82.34

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
95	7 SEP 80	08:30:00	37 54.8 N	74 1.3 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	160.0	23.0	24	60.0
DEPTH				
40.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	40.44	66790
EXUVIELLA APORA	2.0	34.05	56230
GYMNODINIUM PUNCTATUM	3.0	6.39	10560
GYMNODINIUM PYGMAEUM	4.0	3.72	6150
PERIDINIUM TRIQUETA	5.0	3.63	5990
CILIATE	6.0	3.17	5230
GYMNODINIUM SP	7.0	2.52	4170
GYRODINIUM SP.	8.0	1.25	2070
PERIDINIUM SP.	9.0	0.73	1210
PROROCENTRUM DENTATUM	10.0	0.68	1120
CERATIUM TRIPOS	11.0	0.49	810
PODOLAMPAS PALMIPES	12.5	0.48	800
AMPHIDINIUM	12.5	0.48	800
CERATIUM MINUTUM	14.0	0.38	630
PERIDINIUM BREVIPIES	15.0	0.30	490
CERATIUM FUSUS	16.0	0.29	480
MURRAYELLA SPINOSA	17.0	0.19	320
GYRODINIUM PINGUE	18.0	0.15	250
OXYTOXUM SPHAEROIDEUM	19.0	0.15	240
AMPHIDINIUM LATUM	20.0	0.10	170
PERIDINIUM TROCHOIDEUM	21.0	0.09	150
GONYAULAX POLYGRAMMA	22.0	0.07	120
COCHLODINIUM SP.	23.0	0.05	90
PERIDINIUM STENII	24.0	0.05	80
PERIDINIUM MINISCULUM	25.5	0.04	70
DINOPHYSIS NORVEGICA	25.5	0.04	70
DIPLOSALIS SP.	27.0	0.04	60
TOTALS	27	100	165150

 PERCENT
O F
TOTAL

DIATOM	0.00
DINOFLAGELLATE	56.39
OTHER	43.61

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
95	7 SEP 80	08:30:00	37 54.8 N	74 1.3 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
160.0	23.0	24	60.0

DEPTH
60.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	92.32	16220
GYMNODINIUM PUNCTATUM	2.0	2.11	370
GYRODINIUM SP.	3.0	1.08	190
GYMNODINIUM PYGMAEUM	4.0	1.02	180
GYMNODINIUM SP.	5.0	0.97	170
CILIATE	6.0	0.68	120
AMPHIDINIUM	7.0	0.63	110
PERIDINIUM SP.	8.0	0.46	80
EXUVIELLA APORA	9.5	0.28	50
PERIDINIUM BREVIPIES	9.5	0.28	50
COSCIINODISCUS SP.	11.0	0.17	30
TOTALS	11	100	17570

PERCENT
OF
TOTAL

DIATOM	0.17
DINOFLAGELLATE	6.83
OTHER	93.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
107	8 SEP '80	09:30:00	39 54.1 N	73 24.1 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
62.0	17.0	24	50.0	

DEPTH
0.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	81.50	13220
SKELETONEMA COSTATUM - - - - -	2.0	12.33	2000
EXUVIELLA APORA - - - - -	3.0	6.17	1000
TOTALS	3	100	16220

	PERCENT O F TOTAL
DIATOM - - - - -	12.33
DINOFLAGELLATE -	6.17
OTHER - - - - -	81.50

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
107	8 SEP 80	09:30:00	39 54.1 N	73 24.1 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
62.0	17.0	24	50.0	

DEPTH
7.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	89.22	14400
EUCAMPIA ZODIACUS - - - - -	2.0	4.96	800
CILIATE - - - - -	3.0	1.98	320
EXUVIELLA APORA - - - - -	4.0	0.99	160
PERIDINIUM CERASUS - - - - -	5.0	0.56	90
GYMNODINIUM SP - - - - -	7.0	0.50	80
CERATIUM FUSUS - - - - -	7.0	0.50	80
EXUVIELLA COMPRESSA - - - - -	7.0	0.50	80
PLEUROSIGMA SP. - - - - -	9.0	0.43	70
PERIDINIUM STENII - - - - -	10.0	0.37	60
TOTALS	10	100	16140

PERCENT
O F
TOTAL

DIATOM - - - - - 5.39
DINOFLAGELLATE - 3.41
OTHER - - - - - 91.20

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 107	DATE 8 SEP 80	TIME 09:30:00	LATITUDE 39 54.1 N	LONGITUDE 73 24.1 W
	SONIC DEPTH 62.0	SECCHI DEPTH 17.0	SURFACE TEMPERATURE 24	ONE % LIGHT DEPTH 50.0
DEPTH 13.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	93.41	13600
CILIATE	2.0	1.92	280
EXUVIELLA APORA	3.0	1.37	200
GYMNODINIUM SP.	4.5	1.10	160
PLEUROSIGMA SP.	4.5	1.10	160
PERIDINIUM TRIQUETA	6.5	0.55	80
CERATIUM TRIPOS	6.5	0.55	80
TOTALS	7	100	14560

 PERCENT
O F
TOTAL

DIATOM	1.10
DINOFLAGELLATE	3.57
OTHER	95.33

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 107	DATE 8 SEP 80	TIME 09:30:00	LATITUDE 39 54.1 N	LONGITUDE 73 24.1 W
	SONIC DEPTH 62.0	SECCHI DEPTH 17.0	SURFACE TEMPERATURE 24	ONE % LIGHT DEPTH 50.0
DEPTH 20.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	86.74	407200
SKELETONEMA COSTATUM - - - - -	2.0	3.58	16800
CERATIUM TRIPOS - - - - -	3.0	3.41	16000
GYMNODINIUM PUNCTATUM - - - - -	4.0	1.87	8800
CILIATE - - - - -	5.0	1.53	7200
GYMNODINIUM SP - - - - -	6.0	1.02	4800
EXUVIELLA APORA - - - - -	7.0	0.85	4000
GYRODINIUM SP. - - - - -	8.0	0.34	1600
AMPHIDINIUM - - - - -	9.0	0.24	1120
PERIDINIUM SP. - - - - -	10.5	0.17	800
PERIDINIUM STENII - - - - -	10.5	0.17	800
DINOPHYSIS ACUTA - - - - -	12.0	0.07	320
TOTALS	12	100	469440

 PERCENT
O F
TOTAL

DIATOM - - - - - 3.58
 DINOFLAGELLATE - 8.15
 OTHER - - - - - 88.28

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
107	8 SEP 80	09:30:00	39 54.1 N	73 24.1 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	62.0	17.0	24	50.0

DEPTH
25.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	91.84	122400
CERATIUM TRIPOS	2.0	5.70	7600
CILIATE	3.0	0.78	1040
SKELETONEMA COSTATUM	4.0	0.60	800
GYRODINIUM SP.	5.0	0.42	560
CERATIUM FUSUS	6.0	0.30	400
CERATIUM TRIPOS LONG+SHORT	7.0	0.12	160
DINOPHYSIS ACUMINATA	9.0	0.06	80
EXUVIELLA APORA	9.0	0.06	80
COCHLODINIUM SP.	9.0	0.06	80
DINOPHYSIS ACUTA	11.0	0.05	70
TOTALS	11	100	133270

PERCENT
OF
TOTAL

DIATOM	0.60
DINOFLAGELLATE	6.78
OTHER	92.62

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
107	8 SEP 80	09:30:00	39 54.1 N	73 24.1 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
62.0	17.0	24	50.0

DEPTH
35.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	85.12	9610
CILIATE	2.0	4.25	480
GONYAULAX TRICANTHA	3.5	2.13	240
NITZSCHIA DELICATISSMA	3.5	2.13	240
RHIZOLENIA SETIGERA	6.0	1.42	160
CERATIUM FUSUS	6.0	1.42	160
COSCINODISCUS SP.	6.0	1.42	160
GYRODINIUM SP.	9.0	0.71	80
CERATIUM MINUTUM	9.0	0.71	80
CERATIUM TRIPOS	9.0	0.71	80
TOTALS	10	100	11290

PERCENT
OF
TOTAL

DIATOM	4.96
DINOFLAGELLATE	5.67
OTHER	89.37

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
113	9 SEP 80	09:00:00	40 37.7 N	71 2.7 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	65.0	11.0	21	33.0
DEPTH	0.0			

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON	1.0	86.89	28240
GYMNODINIUM PUNCTATUM	2.0	7.63	2480
CILIATE	3.0	2.46	800
AMPHIDINIUM	4.0	0.98	320
EXUVIELLA APORA	5.0	0.74	240
GYMNODINIUM SP.	6.0	0.49	160
GYRODINIUM SP.	7.0	0.31	100
COCHLODINIUM SP.	8.5	0.25	80
PERIDINIUM TROCHOIDEUM	8.5	0.25	80
TOTALS	9	100	32500

 PERCENT
 OF
 TOTAL

DIATOM	0.00
DINOFLAGELLATE	10.65
OTHER	89.35

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
113	9 SEP 80	09:00:00	40 37.7 N	71 2.7 W

SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
65.0	11.0	21	33.0

DEPTH
5.0

SPECIES	RANK	%	NO/L
NANNOPLANKTON	1.0	94.70	55040
CILIATE	2.0	1.86	1080
GYMNODINIUM PUNCTATUM	3.0	0.96	560
RHIZOSOLENIA STYLIFORMIS	4.0	0.83	480
AMPHIDINIUM	6.0	0.41	240
GYRODINIUM SP.	6.0	0.41	240
PERIDINIUM SP.	6.0	0.41	240
RHIZOSOLENIA SP.	8.0	0.28	160
CERATIUM TEREZ	9.0	0.14	80
TOTALS	9	100	58120

PERCENT
OF
TOTAL

DIATOM	1.10
DINOFLAGELLATE	2.34
OTHER	96.56

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 113	DATE 9 SEP 80	TIME 09:00:00	LATITUDE 40 37.7 N	LONGITUDE 71 2.7 W
	SONIC DEPTH 65.0	SECCHI DEPTH 11.0	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH 33.0
DEPTH 8.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	93.73	26320
SKELETONEMA COSTATUM - - - - -	2.0	2.56	720
GYMNODINIUM PUNCTATUM - - - - -	3.0	2.28	640
GYMNODINIUM SP - - - - -	4.0	0.57	160
EXUVIELLA BALTICA - - - - -	6.0	0.28	80
PROROCENTRUM MICANS - - - - -	6.0	0.28	80
EXUVIELLA APORA - - - - -	6.0	0.28	80
TOTALS	7	100	28080

 PERCENT
O F
TOTAL

DIATOM - - - - -	2.56
DINOFLAGELLATE - - - - -	3.70
OTHER - - - - -	93.73

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
113	9 SEP 80	09:00:00	40 37.7 N	71 2.7 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
65.0	11.0	21	33.0	

DEPTH
14.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	94.32	74800
GYMNODINIUM PUNCTATUM - - - - -	2.0	3.63	2880
PERIDINIUM SP. - - - - -	3.0	0.50	400
OXYTOXUM SPHAEROIDEUM - - - - -	4.0	0.30	240
EXUVIELLA APORA - - - - -	6.0	0.20	160
GYMNODINIUM SP - - - - -	6.0	0.20	160
PERIDINIUM TROCHOIDEUM - - - - -	6.0	0.20	160
CILIATE - - - - -	8.0	0.13	104
PERIDINIUM CERASUS - - - - -	11.0	0.10	80
COCHLODINIUM SP. - - - - -	11.0	0.10	80
CERATIUM FUSUS - - - - -	11.0	0.10	80
CERATIUM TRIPOS - - - - -	11.0	0.10	80
PERIDINIUM TRIQUETA - - - - -	11.0	0.10	80
TOTALS	13	100	79304

PERCENT
O F
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE - - - - -	5.55
OTHER - - - - -	94.45

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
113	9 SEP 80	09:00:00	40 37.7 N	71 2.7 W
	SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH
	65.0	11.0	21	33.0

DEPTH
20.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	79.56	28640
GYMNODINIUM PUNCTATUM - - - - -	2.0	13.78	4960
AMPHIDIUM - - - - -	3.0	1.78	640
CILIATE - - - - -	4.5	1.33	480
PERIDINIUM TRIQUETA - - - - -	4.5	1.33	480
EXUVIELLA APORA - - - - -	6.0	0.89	320
EXUVIELLA COMPRESSA - - - - -	8.0	0.44	160
PROROCENTRUM MICANS - - - - -	8.0	0.44	160
PERIDINIUM CERASUS - - - - -	8.0	0.44	160
TOTALS	9	100	36000

PERCENT
O F
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE - - - - -	19.11
OTHER - - - - -	80.89

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 113	DATE 9 SEP 80	TIME 09:00:00	LATITUDE 40 37.7 N	LONGITUDE 71 2.7 W
	SONIC DEPTH 65.0	SECCHI DEPTH 11.0	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH 33.0
DEPTH 33.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	81.03	45780
GONYAULAX POLYGRAMMA - - - - -	2.0	6.94	3920
CILIATE - - - - -	3.0	2.12	1200
DIPLOSALIS SP. - - - - -	4.5	1.56	880
AMPHIDINIUM - - - - -	4.5	1.56	880
GYMNODINIUM PYGMAEUM - - - - -	6.0	1.27	720
CERATIUM MINUTUM - - - - -	7.0	1.13	640
GYRODINIUM SPIRALE - - - - -	8.0	0.99	560
PHALARCHROMA IRREGULARE - - - - -	9.5	0.71	400
PERIDINIUM TROCHOIDEUM - - - - -	9.5	0.71	400
CERATIUM LINEATUM - - - - -	11.5	0.57	320
GYMNODINIUM SP - - - - -	11.5	0.57	320
PERIDINIUM BREVIPES - - - - -	13.0	0.28	160
DINOPHYSIS PUNCTATA - - - - -	15.5	0.14	80
DISTEPHANUS SPECULUM - - - - -	15.5	0.14	80
PERIDINIUM DEPRESSUM - - - - -	15.5	0.14	80
PERIDINIUM STENII - - - - -	15.5	0.14	80
TOTALS	17	100	56500

 PERCENT
OF
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE - - - - -	16.71
OTHER - - - - -	83.29

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

```

-----
STATION      DATE      TIME      LATITUDE      LONGITUDE
 125         10 SEP 80   07:20:00    40  7.8 N    69 57.3 W
-----
          SONIC      SECCHI      SURFACE      ONE % LIGHT
          DEPTH      DEPTH      TEMPERATURE  DEPTH
          111.0      13.0        21          40.0
-----

DEPTH
 0.0
-----

```

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	94.47	34160
GYMNODINIUM PUNCTATUM - - - - -	2.0	1.77	640
CILIATE - - - - -	3.0	1.33	480
PERIDINIUM TRIQUETA - - - - -	4.0	0.66	240
PERIDINIUM TROCHOIDEUM - - - - -	5.5	0.44	160
AMPHIDINIUM SPHENOIDES - - - - -	5.5	0.44	160
PERIDINIUM CERASUS - - - - -	8.5	0.22	80
GONYAULAX TRICANTHA - - - - -	8.5	0.22	80
EXUVIELLA APORA - - - - -	8.5	0.22	80
CERATIUM FUSUS - - - - -	8.5	0.22	80
TOTALS	10	100	36160

```

PERCENT
O F
TOTAL
DIATOM - - - - - 0.00
DINOFLAGELLATE - 4.20
OTHER - - - - - 95.80

```

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
125	10 SEP 80	07:20:00	40 7.8 N	69 57.3 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
111.0	13.0	21	40.0	

DEPTH
6.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	94.65	14160
GYMNODINIUM PUNCTATUM - - - - -	2.0	3.21	480
CILIATE - - - - -	3.0	1.07	160
PERIDINIUM SP. - - - - -	4.5	0.53	80
PERIDINIUM TROCHOIDEUM - - - - -	4.5	0.53	80
TOTALS	5	100	14960

PERCENT
O F
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE - - - - -	4.28
OTHER - - - - -	95.72

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 125	DATE 10 SEP 80	TIME 07:20:00	LATITUDE 40 7.8 N	LONGITUDE 69 57.3 W
	SONIC DEPTH 111.0	SECCHI DEPTH 13.0	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH 40.0
DEPTH 10.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	92.82	31520
CILIATE - - - - -	2.0	2.12	720
AMPHIDINIUM - - - - -	3.0	1.88	640
PERIDINIUM TROCHOIDEUM - - - - -	5.0	0.71	240
PERIDINIUM SP. - - - - -	5.0	0.71	240
GYMNODINIUM PUNCTATUM - - - - -	5.0	0.71	240
GYRODINIUM SP. - - - - -	7.0	0.47	160
GYMNODINIUM SPLENDENS - - - - -	8.5	0.24	80
OXYTOXUM SPHAEROIDEUM - - - - -	8.5	0.24	80
CERATIUM TRIPOS - - - - -	10.0	0.12	40
TOTALS	10	100	33960

 PERCENT
O F
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE - - - - -	5.06
OTHER - - - - -	94.94

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION	DATE	TIME	LATITUDE	LONGITUDE
125	10 SEP 80	07:20:00	40 7.8 N	69 57.3 W
SONIC DEPTH	SECCHI DEPTH	SURFACE TEMPERATURE	ONE % LIGHT DEPTH	
111.0	13.0	21	40.0	

DEPTH
17.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	85.46	12400
CILIATE - - - - -	2.0	4.41	640
PERIDINIUM TROCHOIDEUM - - - - -	3.5	2.21	320
GYMNODINIUM PUNCTATUM - - - - -	3.5	2.21	320
CERATIUM TRIPOS - - - - -	5.0	1.65	240
COSCINODISCUS SP. - - - - -	6.0	1.10	160
EXUVIELLA APORA - - - - -	9.0	0.55	80
AMPHIDINIUM - - - - -	9.0	0.55	80
GYRODINIUM SP. - - - - -	9.0	0.55	80
CERATIUM FUSUS - - - - -	9.0	0.55	80
GYMNODINIUM SP - - - - -	9.0	0.55	80
PROROCENTRUM DENTATUM - - - - -	12.0	0.21	30
TOTALS	12	100	14510

PERCENT
O F
TOTAL

DIATOM - - - - - 1.10
DINOFLAGELLATE - 9.03
OTHER - - - - - 89.87

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 125	DATE 10 SEP 80	TIME 07:20:00	LATITUDE 40 7.8 N	LONGITUDE 69 57.3 W
SONIC DEPTH 111.0	SECCHI DEPTH 13.0	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH 40.0	

DEPTH
25.0

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	100.00	4184
TOTALS	1	100	4184

PERCENT
O F
TOTAL

DIATOM - - - - -	0.00
DINOFLAGELLATE -	0.00
OTHER - - - - -	100.00

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6

KNORR 81 PHYTOPLANKTON

STATION 125	DATE 10 SEP 80	TIME 07:20:00	LATITUDE 40 7.8 N	LONGITUDE 69 57.3 W
	SONIC DEPTH 111.0	SECCHI DEPTH 13.0	SURFACE TEMPERATURE 21	ONE % LIGHT DEPTH 40.0
DEPTH 40.0				

S P E C I E S	RANK	%	NO/L
NANNOPLANKTON - - - - -	1.0	89.60	32400
GYRODINIUM SP. - - - - -	3.0	1.99	720
CILIATE - - - - -	3.0	1.99	720
COSCIINODISCUS OCULUS-IRIDIS - - - - -	3.0	1.99	720
GYMNODINIUM PUNCTATUM - - - - -	6.0	0.66	240
PERIDINIUM SP. - - - - -	6.0	0.66	240
PERIDINIUM TROCHOIDEUM - - - - -	6.0	0.66	240
GYRODINIUM SPIRALE - - - - -	8.5	0.44	160
NITZSCHIA SERIATA - - - - -	8.5	0.44	160
UNIDENTIFIED DINOFLAGELLATES - - - - -	13.0	0.22	80
DIPLOSALIS SP. - - - - -	13.0	0.22	80
GONYAULAX POLYGRAMMA - - - - -	13.0	0.22	80
AMPHIDINIUM - - - - -	13.0	0.22	80
PERIDINIUM STENII - - - - -	13.0	0.22	80
DISTEPHANUS SPECULUM - - - - -	13.0	0.22	80
GONYAULAX TRICANTHA - - - - -	13.0	0.22	80
TOTALS	16	100	36160

 PERCENT
O F
TOTAL

DIATOM - - - - - 2.43
 DINOFLAGELLATE - 5.75
 OTHER - - - - - 91.81

- DATA NOT TAKEN

PARTICLE SIZE

KNORR 81 23 AUG 80 PARTICLES STA 2H 0m

Aperture = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 90 sec

Total Volume = 33.16 ml

Total count = 39817 particles

Total Particle Concentration = 1200.90 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	20637	622.4213	58993.09	10148.20
3	6.35	8701	262.4261	49755.99	7247.10
4	8.00	5146	155.2057	58838.48	7257.06
5	10.00	3061	92.3211	70007.13	7311.06
6	12.70	1295	39.0578	59211.61	5236.47
7	16.00	497	14.9897	45463.90	3404.22
8	20.20	255	7.6909	46653.09	2957.90
9	25.40	148	4.4637	54145.25	2906.92
10	32.00	57	1.7191	41723.67	1896.56
11	40.30	12	.3619	17567.06	676.17
12	50.00	4	.1206	11723.97	381.99
13	64.00	3	.0905	17589.58	485.25
14	80.60	1	.0302	11723.37	273.87
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume = 543396.98u³/ml

Total Particle Carbon = 50182.78pg/ml

FILE LABEL IS 2H-P-0

KNORR 81 23 AUG 80 PARTICLES STA 2H 5m

Aperture = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 90 sec

Total Volume = 33.16 ml

Total count = 35803 particles

Total Particle Concentration = 1079.83 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	19960	602.2439	57080.60	9819.22
3	6.35	8309	250.6032	47514.37	6920.60
4	8.00	3862	116.4797	44157.44	5446.32
5	10.00	1829	55.1635	41830.46	4368.48
6	12.70	946	28.5318	43254.19	3825.26
7	16.00	440	13.2706	40249.73	3013.79
8	20.20	236	7.1179	43176.90	2737.51
9	25.40	140	4.2225	51218.48	2749.79
10	32.00	53	1.5985	38795.69	1763.46
11	40.30	16	.4826	23423.81	901.56
12	50.00	5	.1508	14654.96	477.49
13	64.00	4	.1206	23452.77	647.00
14	80.60	0	0.0000	0.00	0.00
15	101.60	0	0.0000	0.00	0.00
16	128.00	1	.0302	46899.51	785.51

Total Particle Volume = 515709.08u³/ml

Total Particle Carbon = 43456.01pg/ml

FILE LABEL IS 2H-P-5

KNORR 81 23AUG 80 STA 2H 10m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total Volume= 33.16 ml

Total count= 35391 particles

Total Particle Concentration= 1067.41 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	19829	598.0516	56683.33	9750.87
3	6.35	8234	248.3412	47085.49	6858.13
4	8.00	3676	110.8698	42030.75	5184.01
5	10.00	1824	55.0127	41716.11	4356.54
6	12.70	909	27.4159	41562.43	3675.64
7	16.00	451	13.6024	41255.97	3089.14
8	20.20	247	7.4496	45189.47	2865.11
9	25.40	151	4.5542	55242.79	2965.85
10	32.00	40	1.2064	29279.77	1330.92
11	40.30	24	.7239	35135.72	1352.34
12	50.80	4	.1206	11723.97	381.99
13	64.00	2	.0603	11726.38	323.50
14	80.60	0	0.0000	0.00	0.00
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 458632.19u³/ml

Total Particle Carbon= 42134.04pg/ml

FILE LABEL IS 2H-P10

KNORR 81 23 AUG 80 STA 2H 20m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total Volume= 33.16 ml

Total count= 31344 particles

Total Particle Concentration= 945.35 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	16418	495.1743	46932.62	8073.52
3	6.35	6520	196.6462	37284.11	5430.53
4	8.00	3346	100.9169	38257.59	4718.64
5	10.00	2188	65.9911	50041.03	5225.94
6	12.70	1227	37.0069	56102.42	4961.51
7	16.00	693	20.9012	63393.32	4746.73
8	20.20	411	12.3959	75193.81	4767.44
9	25.40	267	8.0528	97680.96	5244.25
10	32.00	176	5.3082	128830.98	5856.03
11	40.30	75	2.2620	109799.13	4226.05
12	50.80	17	.5127	49826.88	1623.47
13	64.00	4	.1206	23452.77	647.00
14	80.60	1	.0302	11723.37	273.87
15	101.60	1	.0302	23446.74	463.80
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 811965.74u³/ml

Total Particle Carbon= 56258.79pg/ml

FILE LABEL IS 2H-P20

KNORR 81 23 AUG 80 STA 2H 45m

Aperture = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 90 sec

Total Volume = 33.16 ml

Total count = 10560 particles

Total Particle Concentration = 318.49 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	5593	168.6874	15988.19	2750.35
3	6.35	2219	66.9260	12689.18	1848.21
4	8.00	1150	34.6845	13148.90	1621.77
5	10.00	636	19.1820	14545.75	1519.06
6	12.70	333	10.0434	15225.84	1346.52
7	16.00	227	6.8464	20765.20	1554.84
8	20.20	125	3.7701	22869.16	1449.95
9	25.40	110	3.3176	40243.09	2160.55
10	32.00	91	2.7446	66611.47	3027.84
11	40.30	54	1.6287	79055.37	3042.76
12	50.80	16	.4826	46895.89	1527.98
13	64.00	4	.1206	23452.77	647.00
14	80.60	2	.0603	23446.74	547.74
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume = 394937.56u³/ml

Total Particle Carbon = 23044.57pg/ml

FILE LABEL IS 2H-P45

KNORR 81 23 AUG 80 STA 2H 50m

Aperture = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 90 sec

Total Volume = 33.16 ml

Total count = 39624 particles

Total Particle Concentration = 1195.08 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	21341	643.6542	61005.55	10494.39
3	6.35	9914	299.0107	56692.44	8257.41
4	8.00	4910	148.0878	56140.10	6924.24
5	10.00	2232	67.3181	51047.34	5331.03
6	12.70	737	22.2283	33698.03	2980.14
7	16.00	247	7.4496	22594.73	1691.83
8	20.20	90	2.7144	16465.80	1043.97
9	25.40	59	1.7795	21584.93	1158.94
10	32.00	55	1.6588	40259.68	1830.01
11	40.30	32	.9651	46847.63	1803.12
12	50.80	5	.1508	14654.96	477.49
13	64.00	0	0.0000	0.00	0.00
14	80.60	1	.0302	11723.31	273.87
15	101.60	0	0.0000	0.00	0.00
16	128.00	1	.0302	46899.51	785.51

Total Particle Volume = 479614.07u³/ml

Total Particle Carbon = 43051.86pg/ml

FILE LABEL IS 2H-P50

KNORR 81 23 AUG 80 STA 2H 64m

Aperture = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 30 sec

Total Volume = 11.05 ml

Total count = 69554 particles

Total Particle Concentration = 6293.34 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	22061	1996.1093	189191.24	32545.36
3	6.35	15661	1417.0286	268668.62	39132.33
4	8.00	12687	1147.9370	435182.93	53674.86
5	10.00	9499	859.4824	651745.54	68063.80
6	12.70	5580	504.8860	765407.17	67690.03
7	16.00	2586	233.9848	709675.90	53138.67
8	20.20	931	84.2381	510988.60	32397.73
9	25.40	384	34.7448	421454.94	22626.87
10	32.00	118	10.6768	259125.95	11778.61
11	40.30	32	2.8954	140542.89	5409.35
12	50.80	11	.9953	96722.77	3151.45
13	64.00	1	.0905	17589.58	485.25
14	80.60	0	0.0000	0.00	0.00
15	101.60	0	0.0000	0.00	0.00
16	128.00	1	.0905	140698.52	2356.54

Total Particle Volume = 4606994.62u³/ml

Total Particle Carbon = 392450.86pg/ml

FILE LABEL IS 2H-P64

KNORR 81 23 AUG 80 STA 3H 0m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total Volume= 33.16 ml

Total count= 34060 particles

Total Particle Concentration= 1027.27 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	18503	558.0589	52892.82	9098.81
3	6.35	8415	253.8002	48120.52	7008.89
4	8.00	3763	113.4938	43025.49	5306.71
5	10.08	1840	55.4952	42082.04	4394.76
6	12.70	834	25.1538	38133.19	3372.37
7	16.00	411	12.3959	37596.91	2815.16
8	20.20	175	5.2781	32016.83	2029.93
9	25.40	74	2.2319	27072.63	1453.46
10	32.00	33	.9953	24155.81	1098.01
11	40.30	8	.2413	11711.91	450.78
12	50.80	2	.0603	5861.99	191.00
13	64.00	2	.0603	11726.38	323.58
14	80.60	0	0.0000	0.00	0.00
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 374396.51u³/ml

Total Particle Carbon= 37543.37pg/ml

FILE LABEL IS 3H-P-0

KNORR 81 23 AUG 80 STA 3H 10m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total Volume= 33.16 ml

Total count= 33681 particles

Total Particle Concentration= 1015.83 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	18730	564.9053	53541.72	9210.44
3	6.35	8365	252.2922	47834.60	6967.24
4	8.00	3625	109.3316	41447.63	5112.09
5	10.08	1589	47.9250	36341.50	3795.26
6	12.70	684	20.6298	31274.70	2765.83
7	16.00	341	10.2847	31193.54	2335.69
8	20.20	176	5.3082	32199.78	2041.53
9	25.40	92	2.7748	33657.86	1807.01
10	32.00	42	1.2667	30743.76	1397.45
11	40.30	15	.4524	21959.83	845.21
12	50.80	11	.3318	32240.92	1050.43
13	64.00	6	.1810	35179.15	970.51
14	80.60	2	.0603	23446.74	547.74
15	101.60	2	.0603	46893.47	927.59
16	128.00	1	.0302	46899.51	785.51

Total Particle Volume= 544854.71u³/ml

Total Particle Carbon= 40559.60pg/ml

FILE LABEL IS 3H-P10

KNORR 81 23 AUG 80 STA 3H 20m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total Volume= 33.16 ml

Total count= 40333 particles

Total Particle Concentration= 1216.46 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	20297	612.1667	58021.16	9981.01
3	6.35	10678	322.0533	61061.31	8893.75
4	8.00	4402	132.7663	50331.71	6207.84
5	10.00	2075	62.5829	47456.64	4956.04
6	12.70	1095	33.0257	50066.96	4427.75
7	16.00	762	22.9823	69705.21	5219.34
8	20.20	422	12.7277	77206.30	4895.04
9	25.40	290	8.7465	106095.43	5696.00
10	32.00	170	5.1273	124439.02	5656.40
11	40.30	91	2.7446	133222.95	5127.61
12	50.80	29	.8747	84998.79	2769.45
13	64.00	15	.4524	87947.88	2426.27
14	80.60	5	.1508	58616.84	1369.35
15	101.60	1	.0302	23446.74	463.80
16	128.00	1	.0302	46899.51	785.51

Total Particle Volume= 1079516.44u³/ml

Total Particle Carbon= 68875.17pg/ml

FILE LABEL IS 3H-P20

KNORR 81 23 AUG 80 STA 3H 30m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total Volume= 33.16 ml

Total count= 14177 particles

Total Particle Concentration= 427.58 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	7208	217.3965	20604.84	3544.52
3	6.35	3156	95.1864	18047.34	2628.65
4	8.00	1545	46.5979	17665.26	2178.81
5	10.00	857	25.8475	19600.17	2046.91
6	12.70	436	13.1500	19935.34	1763.01
7	16.00	280	8.4449	25613.46	1917.87
8	20.20	165	4.9765	30187.30	1913.94
9	25.40	159	4.7955	58169.56	3122.98
10	32.00	230	6.9369	168358.67	7652.77
11	40.30	89	2.6843	130294.97	5014.92
12	50.80	28	.8445	82067.80	2673.96
13	64.00	7	.2111	41042.35	1132.26
14	80.60	12	.3619	140680.42	3206.44
15	101.60	5	.1508	117233.68	2318.98
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 889501.16u³/ml

Total Particle Carbon= 41196.81pg/ml

FILE LABEL IS 3H-P30

KHRR 81 23 AUG 80 STA 3H 40m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 14741 particles

Total Volume= 33.16 ml

Total Particle Concentration= 444.60 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	5.04	7221	217.7886	20642.01	3550.91
3	6.35	3296	99.4089	18847.92	2745.25
4	8.00	1897	57.2144	21689.97	2675.21
5	10.00	1096	33.0559	25066.26	2617.75
6	12.70	576	17.3724	26336.59	2329.12
7	16.00	326	9.8323	29821.39	2232.95
8	20.20	129	3.8907	23600.98	1496.35
9	25.40	71	2.1414	25975.09	1394.54
10	32.00	64	1.9303	46847.63	2129.47
11	40.30	39	1.1763	57095.55	2197.55
12	50.80	10	.3016	29309.93	954.98
13	64.00	8	.2413	46905.54	1294.01
14	80.60	8	.2413	93786.95	2190.96
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 465925.79u³/ml

Total Particle Carbon= 27809.05pg/ml

FILE LABEL IS 3H-P40

KHRR 81 23 AUG 80 STA 3H 50m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 11475 particles

Total Volume= 33.16 ml

Total Particle Concentration= 346.09 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	5.04	5757	173.6337	16457.01	2830.99
3	6.35	2639	79.5934	15090.92	2190.03
4	8.00	1448	43.6723	16556.18	2042.02
5	10.00	759	22.8918	17358.84	1812.84
6	12.70	379	11.4308	17329.11	1532.53
7	16.00	216	6.5147	19758.96	1479.50
8	20.20	99	2.9859	18112.38	1148.36
9	25.40	62	1.8699	22682.47	1217.77
10	32.00	60	1.8096	43919.65	1996.38
11	40.30	32	.9651	46847.63	1803.12
12	50.80	6	.1810	17585.96	572.99
13	64.00	11	.3318	64495.11	1779.26
14	80.60	7	.2111	82063.58	1917.09
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 398257.79u³/ml

Total Particle Carbon= 22330.87pg/ml

FILE LABEL IS 3H-P50

KNORR 81 23 AUG 80 STA 3H 59m

Aperature = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 90 sec

Total Volume = 33.16 ml

Total count = 72961 particles

Total Particle Concentration = 2200.54 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	37524	1131.7409	107266.40	18452.35
3	6.35	18606	561.1654	106396.96	15497.01
4	8.00	9682	292.0135	110702.32	13653.87
5	10.00	4730	142.6589	108178.28	11297.39
6	12.70	1593	48.0456	72837.13	6441.47
7	16.00	514	15.5025	47019.00	3520.66
8	20.20	123	3.7097	22503.26	1426.75
9	25.40	83	2.5033	30365.24	1630.23
10	32.00	52	1.5683	38063.70	1730.19
11	40.30	39	1.1763	57095.55	2197.55
12	50.80	7	.2111	20516.95	660.49
13	64.00	4	.1206	23452.77	647.00
14	80.60	1	.0302	11723.37	273.87
15	101.60	1	.0302	23446.74	463.00
16	128.00	2	.0603	93799.01	1571.02

Total Particle Volume = 873366.68u³/ml

Total Particle Carbon = 79471.67pg/ml

FILE LABEL IS 3H-P59

KNORR 81 23 AUG 80 STA 3H 64m

Aperature = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 90 sec

Total Volume = 33.16 ml

Total count = 85463 particles

Total Particle Concentration = 2577.60 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	40967	1235.5833	117108.59	20145.44
3	6.35	21834	658.5233	124856.03	18185.63
4	8.00	12223	368.6512	139755.68	17237.27
5	10.00	6540	197.2494	149574.19	15620.50
6	12.70	2570	77.5124	117508.75	10392.08
7	16.00	862	25.9983	70852.88	5904.30
8	20.20	283	8.5354	51775.79	3282.69
9	25.40	94	2.8351	34389.55	1846.29
10	32.00	58	1.7493	42455.66	1929.83
11	40.30	21	.6334	30743.76	1183.29
12	50.80	9	.2714	26378.94	859.49
13	64.00	1	.0302	5863.19	161.75
14	80.60	1	.0302	11723.37	273.87
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume = 930986.37u³/ml

Total Particle Carbon = 97022.42pg/ml

FILE LABEL IS 3H-P64

KNORR 81 24 AUG 80 STA 5H 0m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 120 sec

Total count= 38694 particles

Total Volume= 44.21 ml

Total Particle Concentration= 875.27 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	23492	531.3970	50365.81	8664.11
3	6.35	8416	190.3728	36094.68	5257.29
4	8.00	3621	81.9083	31051.42	3829.84
5	10.00	1636	37.0069	28062.31	2930.63
6	12.70	781	17.6665	26782.39	2368.54
7	16.00	371	8.3921	25453.38	1905.88
8	20.20	187	4.2300	25659.20	1626.85
9	25.40	94	2.1263	25792.16	1384.72
10	32.00	59	1.3346	32390.74	1472.33
11	40.30	20	.4524	21959.83	845.21
12	50.80	6	.1357	13189.47	429.74
13	64.00	8	.1810	35179.15	970.51
14	80.60	1	.0226	8792.53	205.40
15	101.60	1	.0226	17585.05	347.85
16	128.00	1	.0226	35174.63	589.13

Total Particle Volume= 413532.76u³/ml

Total Particle Carbon= 32828.03pg/ml

FILE LABEL IS 5H-P-0

KNORR 81 24 AUG 80 STA 5H 10m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 120 sec

Total count= 35763 particles

Total Volume= 44.21 ml

Total Particle Concentration= 808.97 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	21705	490.9745	46534.56	8005.04
3	6.35	7740	175.0814	33195.44	4835.01
4	8.00	3434	77.6782	29447.82	3632.05
5	10.00	1579	35.7175	27084.59	2828.53
6	12.70	666	15.0651	22838.76	2019.78
7	16.00	338	7.6457	23189.33	1736.36
8	20.20	170	3.8455	23326.55	1478.95
9	25.40	74	1.6739	20304.47	1090.10
10	32.00	42	.9501	23057.82	1048.10
11	40.30	8	.1810	8783.93	338.08
12	50.80	3	.0679	6594.73	214.87
13	64.00	3	.0679	13192.18	363.94
14	80.60	1	.0226	8792.53	205.40
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 286342.72u³/ml

Total Particle Carbon= 27796.22pg/ml

FILE LABEL IS 5H-P10

KNORR 81 24 AUG 80 STA 5H 20m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 120 sec

Total Volume= 44.21 ml

Total count= 42997 particles

Total Particle Concentration= 972.61 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
2	5.04	24960	564.6037	53513.14	9205.52
3	6.35	8823	199.5793	37840.23	5511.53
4	8.00	4310	97.4937	36959.85	4558.58
5	10.00	2319	52.4566	39777.82	4154.12
6	12.70	1173	26.5337	40225.03	3557.37
7	16.00	795	17.9832	54542.96	4084.03
8	20.20	329	7.4421	45143.73	2862.21
9	25.40	145	3.2799	39785.79	2136.00
10	32.00	88	1.9906	48311.62	2196.01
11	40.30	23	.5203	25253.80	971.99
12	50.80	10	.2262	21982.45	716.24
13	64.00	13	.2941	57166.12	1577.07
14	80.60	8	.1810	70340.21	1643.22
15	101.60	1	.0226	17585.05	347.85
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 588427.78u³/ml

Total Particle Carbon= 43521.74pg/ml

FILE LABEL IS 5H-P20

KNORR 81 24 AUG 80 STA 5H 30m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 120 sec

Total Volume= 44.21 ml

Total count= 18780 particles

Total Particle Concentration= 424.81 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
2	5.04	9241	209.0346	19812.30	3408.18
3	6.35	4042	91.4314	17335.40	2524.95
4	8.00	2230	50.4434	19123.08	2358.61
5	10.00	1332	30.1303	22847.80	2386.07
6	12.70	600	13.5722	20575.46	1819.62
7	16.00	411	9.2970	28197.68	2111.37
8	20.20	225	5.0896	30873.37	1957.44
9	25.40	286	6.4694	78474.03	4213.08
10	32.00	227	5.1348	124622.01	5664.71
11	40.30	110	2.4882	120779.04	4648.66
12	50.80	42	.9501	92326.28	3008.20
13	64.00	7	.1583	30781.76	849.19
14	80.60	14	.3167	123095.37	2875.64
15	101.60	0	0.0000	0.00	0.00
16	128.00	13	.2941	457270.18	7658.74

Total Particle Volume= 1186113.75u³/ml

Total Particle Carbon= 45484.47pg/ml

FILE LABEL IS 5H-P30

KNORR 81 24 AUG 80 STA 5H 40m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 120 sec

Total Volume= 44.21 ml

Total count= 23188 particles

Total Particle Concentration= 524.52 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	5.04	12627	285.6270	27071.73	4656.98
3	6.35	5052	114.2780	21667.10	3155.87
4	8.00	2674	60.4868	22930.54	2828.22
5	10.00	1403	31.7363	24065.66	2513.25
6	12.70	646	14.6127	22152.91	1959.13
7	16.00	350	7.9171	24012.62	1798.00
8	20.20	168	3.8002	23052.12	1461.55
9	25.40	98	2.2168	26889.70	1443.64
10	32.00	78	1.7644	42821.66	1946.47
11	40.30	50	1.3120	63683.50	2451.11
12	50.80	13	.2941	28577.18	931.11
13	64.00	5	.1131	21986.97	606.57
14	80.60	7	.1583	61547.68	1437.82
15	101.60	4	.0905	70340.21	1391.39
16	128.00	5	.1131	175873.15	2945.67

Total Particle Volume= 656672.74u³/ml

Total Particle Carbon= 31526.78pg/ml

FILE LABEL IS 5H-P40

KNORR 81 24 AUG 80 STA 5H 50m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 120 sec

Total Volume= 44.21 ml

Total count= 63170 particles

Total Particle Concentration= 1428.93 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	5.04	35004	791.8024	75047.03	12909.86
3	6.35	15678	354.6417	67240.07	9793.70
4	8.00	7312	165.3999	62703.11	7733.72
5	10.00	3224	72.9280	55301.28	5775.28
6	12.70	1134	25.6515	38887.62	3439.09
7	16.00	414	9.3648	28403.50	2126.78
8	20.20	160	3.6193	21954.40	1391.95
9	25.40	99	2.2394	27164.09	1458.37
10	32.00	76	1.7191	41723.67	1896.56
11	40.30	44	.9953	48311.62	1859.46
12	50.80	8	.1810	17585.96	572.99
13	64.00	2	.0452	8794.79	242.63
14	80.60	10	.2262	87925.26	2054.03
15	101.60	0	0.0000	0.00	0.00
16	128.00	5	.1131	175873.15	2945.67

Total Particle Volume= 756915.54u³/ml

Total Particle Carbon= 54200.09pg/ml

FILE LABEL IS 5H-P50

KNORR 81 24 AUG 80 STA 5H 57m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 120 sec

Total Volume= 44.21 ml

Total count= 90019 particles

Total Particle Concentration= 2036.26 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	46641	1055.0353	99996.24	17201.71
3	6.35	22708	513.6627	97390.45	14185.19
4	8.00	11529	260.7899	98865.45	12193.93
5	10.00	5621	127.1489	96417.04	10069.13
6	12.70	2128	48.1361	72974.30	6453.60
7	16.00	726	16.4224	49809.04	3729.57
8	20.20	278	6.2885	38145.77	2418.52
9	25.40	178	4.0264	48840.48	2622.12
10	32.00	121	2.7371	66428.47	3019.52
11	40.30	65	1.4703	71369.44	2746.93
12	50.80	11	.2488	24180.69	787.86
13	64.00	2	.0452	8794.79	242.63
14	80.60	8	.1810	70340.21	1643.22
15	101.60	2	.0452	35170.10	695.70
16	128.00	1	.0226	35174.63	589.13

Total Particle Volume= 913897.10u³/ml

Total Particle Carbon= 78598.77pg/ml

FILE LABEL IS 5H-P57

KNORR 81 24 AUG 80 STA 5H 63m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 120 sec

Total Volume= 44.21 ml

Total count= 82699 particles

Total Particle Concentration= 1870.68 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	45191	1022.2358	96887.51	16666.94
3	6.35	20497	463.6491	87907.87	12804.03
4	8.00	10130	229.1440	86868.51	10714.24
5	10.00	4465	100.9998	76588.16	7998.34
6	12.70	1534	34.6996	52604.60	4652.17
7	16.00	487	11.0161	33411.85	2501.79
8	20.20	176	3.9812	24149.84	1531.15
9	25.40	95	2.1489	26066.55	1399.45
10	32.00	73	1.6513	40076.68	1821.69
11	40.30	34	.7691	37331.70	1436.86
12	50.80	10	.2262	21982.45	716.24
13	64.00	4	.0905	17589.58	485.25
14	80.60	1	.0226	8792.53	205.40
15	101.60	0	0.0000	0.00	0.00
16	128.00	2	.0452	70349.26	1178.27

Total Particle Volume= 680607.08u³/ml

Total Particle Carbon= 64111.82pg/ml

FILE LABEL IS 5H-P63

KNORR 81 24 AUG 80 STA 5H 0m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total count= 34426 particles

Total Volume= 2.81 ml

Total Particle Concentration= 12259.97 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	1.59	13302	4737.1795	14931.53	5545.29
3	2.00	6926	2466.5242	14611.69	4889.59
4	2.52	5140	1830.4843	21691.24	6145.99
5	3.17	3952	1407.4074	33355.56	8002.55
6	4.00	2680	954.4160	45229.77	9188.82
7	5.04	1448	515.6695	48875.16	8407.68
8	6.35	558	198.7179	37676.92	5487.75
9	8.00	244	86.8946	32941.74	4062.99
10	10.00	104	37.0370	28085.19	2933.02
11	12.70	41	14.6011	22135.33	1957.57
12	16.00	17	6.0541	18362.18	1374.91
13	20.20	6	2.1368	12961.54	821.79
14	25.40	7	2.4929	30238.60	1623.44
15	32.00	1	.3561	8643.16	392.88
16	40.30	0	0.0000	0.00	0.00

Total Particle Volume= 368839.60u³/ml

Total Particle Carbon= 60834.27pg/ml

FILE LABEL IS 5H#P-0

KNORR 81 24 AUG 80 STA 5H 10m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total count= 32670 particles

Total Volume= 2.81 ml

Total Particle Concentration= 11634.62 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	1.59	12148	4326.2108	12814.24	5064.22
3	2.00	6654	2369.6581	14037.85	4697.57
4	2.52	4895	1743.2336	20657.32	5853.04
5	3.17	3923	1397.0798	33110.79	7943.83
6	4.00	2638	939.4587	44520.95	9044.81
7	5.04	1503	535.2564	50731.60	8727.03
8	6.35	492	175.2137	33220.51	4838.66
9	8.00	248	88.3191	33481.77	4129.59
10	10.00	92	32.7635	24844.59	2594.60
11	12.70	42	14.9573	22675.21	2005.32
12	16.00	24	8.5470	25923.08	1941.05
13	20.20	5	1.7806	10801.28	624.82
14	25.40	2	.7123	8639.60	463.84
15	32.00	1	.3561	8643.16	392.88
16	40.30	3	1.0684	51858.97	1996.00

Total Particle Volume= 395960.93u³/ml

Total Particle Carbon= 60377.26pg/ml

FILE LABEL IS 5H#P10

KNORR 81 24 AUG 80 STA 5H 20m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total count= 40587 particles

Total Volume= 2.81 ml

Total Particle Concentration= 14454.06 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	17070	6079.0598	18006.18	7116.08
3	2.00	8296	2954.4160	17501.96	5856.78
4	2.52	5564	1981.4815	23480.56	6652.98
5	3.17	4176	1487.1795	35246.15	8456.14
6	4.00	2825	1006.0541	47676.91	9685.97
7	5.04	1519	540.9544	51271.66	8819.93
8	6.35	594	211.5385	40107.69	5841.80
9	8.00	252	89.7436	34021.79	4196.20
10	10.00	147	52.3504	39697.33	4145.71
11	12.70	75	26.7094	40491.45	3580.93
12	16.00	44	15.6695	47525.64	3558.60
13	20.20	15	5.3419	32403.85	2054.47
14	25.40	9	3.2051	38878.21	2087.27
15	32.00	1	.3561	8643.16	392.88
16	40.30	0	0.0000	0.00	0.00

Total Particle Volume= 474952.53u³/ml

Total Particle Carbon= 72445.75pg/ml

FILE LABEL IS 5H#P20

KNORR 81 24 AUG 80 STA 5H 30m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total count= 25480 particles

Total Volume= 2.81 ml

Total Particle Concentration= 9074.07 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	10369	3692.6638	10937.67	4322.59
3	2.00	6394	2277.0655	13489.34	4514.01
4	2.52	4246	1512.1083	17918.48	5077.02
5	3.17	2435	867.1652	20551.82	4930.72
6	4.00	1058	376.7806	17855.63	3627.53
7	5.04	525	186.9658	17720.62	3048.36
8	6.35	225	80.1282	15192.31	2212.80
9	8.00	104	37.0370	14040.74	1731.77
10	10.00	66	23.5043	17823.29	1861.34
11	12.70	21	7.4786	11337.61	1002.66
12	16.00	11	3.9174	11881.41	889.65
13	20.20	11	3.9174	23762.82	1506.61
14	25.40	6	2.1368	25918.80	1391.52
15	32.00	7	2.4929	60502.14	2750.13
16	40.30	2	.7123	34572.65	1330.66

Total Particle Volume= 313505.33u³/ml

Total Particle Carbon= 40197.39pg/ml

FILE LABEL IS 5H#P30

KNORR 81 24 AUG 80 STA 5H 40m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total count= 38150 particles

Total Volume= 2.81 ml

Total Particle Concentration= 13586.18 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	15650	5573.3618	16508.30	6524.12
3	2.00	9624	3427.3504	20303.62	6794.32
4	2.52	6254	2227.2080	26392.41	7478.02
5	3.17	3532	1257.8348	29810.68	7152.08
6	4.00	1729	615.7407	29179.95	5928.16
7	5.04	745	265.3134	25146.40	4325.77
8	6.35	296	105.4131	19986.32	2911.06
9	8.00	173	61.6097	23356.23	2880.73
10	10.00	77	27.4217	20793.84	2171.56
11	12.70	30	10.6838	16196.58	1432.37
12	16.00	16	5.6980	17282.05	1294.03
13	20.20	11	3.9174	23762.82	1506.61
14	25.40	7	2.4929	30238.60	1623.44
15	32.00	5	1.7806	43215.81	1964.38
16	40.30	1	.3561	17286.32	665.33

Total Particle Volume= 359459.97u³/ml

Total Particle Carbon= 54651.99pg/n

FILE LABEL IS 5H*P40

KNORR 81 24 AUG 80 STA 5H 50m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total count= 59774 particles

Total Volume= 2.81 ml

Total Particle Concentration= 21287.04 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	22769	8108.6182	24017.73	9491.86
3	2.00	13670	4868.2336	28839.42	9650.70
4	2.52	9315	3317.3077	39310.10	11138.12
5	3.17	6465	2302.3504	54565.71	13091.22
6	4.00	3854	1372.5071	65043.11	13214.07
7	5.04	1960	698.0057	66156.98	11380.56
8	6.35	969	345.0855	65428.21	9529.80
9	8.00	485	172.7208	65478.45	8076.02
10	10.00	177	63.0342	47798.82	4991.78
11	12.70	67	23.8604	36172.36	3198.96
12	16.00	19	6.7664	20522.44	1536.67
13	20.20	11	3.9174	23762.82	1506.61
14	25.40	9	3.2051	38878.21	2087.27
15	32.00	4	1.4245	34572.65	1571.51
16	40.30	0	0.0000	0.00	0.00

Total Particle Volume= 610547.00u³/ml

Total Particle Carbon= 100465.15pg/l

FILE LABEL IS 5H*P50

KNORR 81 24 AUG 80 STA 5H 57m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total Volume= 2.81 ml

Total count= 81065 particles

Total Particle Concentration= 28869.30 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	30234	10767.0940	31892.13	12603.85
3	2.00	18409	6555.9117	38837.22	12996.32
4	2.52	12785	4553.0627	53953.79	15287.26
5	3.17	8851	3152.0655	74703.95	17922.72
6	4.00	5263	1874.2877	88822.50	18045.05
7	5.04	2924	1041.3105	98695.41	16977.94
8	6.35	1443	513.8889	97433.33	14191.44
9	8.00	700	249.2877	94504.99	11656.11
10	10.00	298	106.1254	80474.86	8404.24
11	12.70	96	34.1880	51829.06	4583.59
12	16.00	28	9.9715	30243.59	2264.56
13	20.20	15	5.3419	32403.85	2054.47
14	25.40	11	3.9174	47517.81	2551.11
15	32.00	6	2.1368	51858.97	2357.26
16	40.30	2	.7123	34572.65	1330.66

Total Particle Volume= 907744.11u³/ml

Total Particle Carbon= 143226.59pg.

FILE LABEL IS 5H#P57

KNORR 81 24 AUG 80 STA 5H 63m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total Volume= 2.81 ml

Total count= 83049 particles

Total Particle Concentration= 29575.85 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	30858	10989.3162	32550.35	12863.98
3	2.00	19302	6873.9316	40721.17	13626.76
4	2.52	13136	4678.0627	55435.04	15706.95
5	3.17	9080	3233.6182	76636.75	18386.43
6	4.00	5322	1895.2991	89818.23	18247.34
7	5.04	2986	1063.3903	100788.13	17337.94
8	6.35	1341	477.5641	90546.15	13188.30
9	8.00	634	225.7835	85594.52	10557.11
10	10.00	237	84.4017	64001.82	6683.91
11	12.70	101	35.9687	54528.49	4822.32
12	16.00	34	12.1083	36724.36	2749.82
13	20.20	10	3.5613	21602.56	1369.65
14	25.40	5	1.7806	21599.00	1159.60
15	32.00	3	1.0684	25929.49	1178.63
16	40.30	6	2.1368	103717.95	3991.99

Total Particle Volume= 900194.02u³/ml

Total Particle Carbon= 141870.73pg

FILE LABEL IS 5H#P63

KNORR 81 26 AUG 80 STA 10H 0m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 11465 particles

Total Volume= 33.16 ml

Total Particle Concentration= 345.79 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	5.04	4541	136.9586	12980.94	2233.03
3	6.35	2084	62.8544	11917.19	1735.77
4	8.00	1465	44.1851	16750.56	2065.99
5	10.00	1275	38.4546	29160.11	3045.28
6	12.70	1102	33.2368	50387.02	4456.06
7	16.00	544	16.4073	49763.30	3726.15
8	20.20	244	7.3592	44640.61	2830.31
9	25.40	118	3.5589	43169.86	2317.68
10	32.00	59	1.7795	43187.66	1963.10
11	40.30	15	.4524	21959.83	845.21
12	50.80	9	.2714	26378.94	859.49
13	64.00	5	.1508	29315.96	808.76
14	80.60	2	.0603	23446.74	547.74
15	101.60	0	0.0000	0.00	0.00
16	128.00	2	.0603	93799.01	1571.02

Total Particle Volume= 496857.71u³/ml

Total Particle Carbon= 29005.58pg/ml

FILE LABEL IS 10HP-0

KNORR 81 26 AUG 80 STA 10H 5m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

KNORR 81 26 AUG 80 STA 10H 10m

Aperture = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 90 sec

Total Volume = 33.16 ml

Total count = 10660 particles

Total Particle Concentration = 321.51 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	4394	132.5250	12560.72	2160.74
3	6.35	1916	57.7874	10956.50	1595.84
4	8.00	1284	38.7260	14681.04	1810.74
5	10.00	1231	37.1275	28153.80	2940.19
6	12.70	880	26.5412	40236.46	3558.38
7	16.00	493	14.8691	45097.99	3376.82
8	20.20	262	7.9020	47933.77	3039.10
9	25.40	112	3.3780	40974.79	2199.83
10	32.00	59	1.7795	43187.66	1963.10
11	40.30	16	.4826	23423.81	901.56
12	50.80	10	.3016	29309.93	954.98
13	64.00	3	.0905	17589.58	485.25
14	80.60	0	0.0000	0.00	0.00
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume = 354106.03u³/ml

Total Particle Carbon = 24986.54pg/m

FILE LABEL IS 10HP10

KNORR 81 26 AUG 80 STA 10H 15m

Aperture = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 90 sec

Total Volume = 33.16 ml

Total count = 13845 particles

Total Particle Concentration = 417.57 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	5641	170.1351	16125.41	2773.95
3	6.35	2708	81.6745	15485.49	2255.50
4	8.00	1722	51.9363	19689.05	2428.42
5	10.00	1428	43.0691	32659.32	3410.71
6	12.70	1126	33.9607	51484.38	4553.10
7	16.00	633	19.0916	57904.72	4335.75
8	20.20	300	9.0481	54885.99	3479.89
9	25.40	151	4.5542	55242.79	2965.85
10	32.00	89	2.6843	65147.48	2961.29
11	40.30	25	.7540	36599.71	1403.68
12	50.80	13	.3921	38102.91	1241.48
13	64.00	5	.1508	29315.96	808.76
14	80.60	1	.0302	11723.37	273.87
15	101.60	3	.0905	70340.21	1391.39
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume = 554786.79u³/ml

Total Particle Carbon = 34288.65pg/m

FILE LABEL IS 10HP15

KNORP 81 26 AUG 80 STA 10H 20m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 41673 particles

Total Volume= 33.16 ml

Total Particle Concentration= 1256.88 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	5.04	17372	523.9474	49659.73	8542.65
3	6.35	6794	204.9101	38850.96	5658.75
4	8.00	4562	137.5920	52161.12	6433.48
5	10.08	4385	132.2536	100287.90	10473.38
6	12.70	3918	118.1687	179143.68	15842.86
7	16.00	2600	78.4172	237839.31	17808.78
8	20.20	1168	35.2274	213689.47	13548.35
9	25.40	491	14.8088	179630.53	9643.92
10	32.00	238	7.1782	174214.62	7918.95
11	40.30	69	2.0811	101015.20	3887.97
12	50.80	45	1.3572	131894.68	4297.43
13	64.00	23	.6937	134853.42	3720.27
14	80.60	6	.1810	70340.21	1643.22
15	101.60	1	.0302	23446.74	463.80
16	128.00	1	.0302	46899.51	785.51

Total Particle Volume= 1733927.08u³/ml

Total Particle Carbon= 110669.33pg/m

FILE LABEL IS 10HP20

KNORR 81 26 AUG 80 STA 10H 25m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 49615 particles

Total Volume= 33.16 ml

Total Particle Concentration= 1496.41 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	5.04	20436	616.3590	58418.51	10049.36
3	6.35	10141	305.8572	57990.52	8446.48
4	8.00	7089	213.8075	81054.41	9997.14
5	10.08	5285	159.3980	120871.50	12622.98
6	12.70	3413	102.9376	156053.44	13800.84
7	16.00	1636	49.3425	149655.81	11205.83
8	20.20	913	27.5365	167036.37	10590.45
9	25.40	437	13.1801	159874.83	8583.28
10	32.00	166	5.0066	121511.04	5523.30
11	40.30	65	1.9604	95159.25	3662.58
12	50.80	20	.6032	58619.86	1909.97
13	64.00	7	.2111	41042.35	1132.26
14	80.60	4	.1206	46893.47	1095.48
15	101.60	3	.0905	70340.21	1391.39
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 1384521.57u³/ml

Total Particle Carbon= 100011.36pg/m

FILE LABEL IS 10HP25

KNORR 81 26 AUG 80 STA 10H 30m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total Volume= 33.16 ml

Total count= 61843 particles

Total Particle Concentration= 1865.21 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	23155	698.3653	66191.06	11386.42
3	6.35	14790	446.0731	84575.46	12318.65
4	8.00	9371	282.6336	107146.40	13215.29
5	10.00	8440	254.5542	193028.47	20158.56
6	12.70	3947	119.0433	180469.66	15960.13
7	16.00	1221	36.8259	111693.00	8363.28
8	20.20	442	13.3309	80865.36	5127.03
9	25.40	221	6.6655	80852.03	4340.75
10	32.00	159	4.7955	116387.08	5290.39
11	40.30	50	1.5000	73199.42	2817.37
12	50.80	31	.9350	90860.78	2960.45
13	64.00	13	.3921	76221.50	2102.76
14	80.60	3	.0905	35170.10	821.61
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 1296660.33u³/ml

Total Particle Carbon= 104862.70pg/ml

FILE LABEL IS 10HP30

KNORR 81 26 AUG 80 STA 10H 40m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total Volume= 33.16 ml

Total count= 15287 particles

Total Particle Concentration= 461.06 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	7602	229.2798	21731.14	3738.27
3	6.35	3433	103.5408	19631.34	2859.36
4	8.00	1762	53.1427	20146.40	2484.83
5	10.00	1064	32.0907	24334.39	2541.32
6	12.70	754	22.7410	34475.33	3048.88
7	16.00	390	11.7626	35675.90	2671.32
8	20.20	160	5.0670	30736.16	1948.74
9	25.40	47	1.4175	17194.78	923.15
10	32.00	43	1.2969	31475.75	1430.74
11	40.30	14	.4222	20495.84	788.86
12	50.80	3	.0905	8792.98	286.50
13	64.00	3	.0905	17589.58	485.25
14	80.60	3	.0905	35170.10	821.61
15	101.60	0	0.0000	0.00	0.00
16	128.00	1	.0302	46899.51	785.51

Total Particle Volume= 364349.19u³/ml

Total Particle Carbon= 24814.32pg/ml

FILE LABEL IS 10HP40

KNORR 81 26 AUG 80 STA 10H 50m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 34791 particles

Total Volume= 33.16 ml

Total Particle Concentration= 1049.31 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	5.04	18962	571.9025	54204.92	9324.52
3	6.35	8620	259.9831	49292.80	7179.63
4	8.00	4175	125.9199	47736.23	5887.72
5	10.00	1846	55.6762	42219.26	4409.09
6	12.70	739	22.2886	33789.48	2988.23
7	16.00	261	7.8719	23875.41	1787.73
8	20.20	110	3.3176	20124.86	1275.96
9	25.40	51	1.5382	18658.16	1001.71
10	32.00	16	.4826	11711.91	532.37
11	40.30	8	.2413	11711.91	450.78
12	50.80	1	.0302	2930.99	95.50
13	64.00	2	.0603	11726.38	323.50
14	80.60	0	0.0000	0.00	0.00
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 327982.32u³/ml

Total Particle Carbon= 35256.74pg/r

FILE LABEL IS 10HP50

KNORR 81 26 AUG 80 STA 10H 65m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 40639 particles

Total Volume= 33.16 ml

Total Particle Concentration= 1225.69 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	5.04	21467	647.4545	61365.73	10556.35
3	6.35	9963	300.4886	56972.64	8298.22
4	8.00	5164	155.7486	59044.29	7282.44
5	10.00	2369	71.4501	54180.62	5658.25
6	12.70	969	29.2255	44305.83	3918.26
7	16.00	413	12.4563	37779.86	2828.86
8	20.20	179	5.3987	32748.64	2076.33
9	25.40	70	2.1112	25609.24	1374.90
10	32.00	28	.8445	20495.84	931.64
11	40.30	13	.3921	19031.85	732.52
12	50.80	4	.1206	11723.97	381.99
13	64.00	1	.0302	5863.19	161.75
14	80.60	0	0.0000	0.00	0.00
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 429121.70u³/ml

Total Particle Carbon= 44201.51pg/r

FILE LABEL IS 10HP65

KNORR 81 26 AUG 80 STA 10H 0m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total Volume= 2.81 ml

Total count= 28826 particles

Total Particle Concentration= 7416.67 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	8485	3021.7236	8950.35	3537.20
3	2.00	4478	1594.7293	9447.18	3161.36
4	2.52	3200	1139.6011	13504.27	3826.30
5	3.17	2785	991.8091	23505.88	5639.45
6	4.00	960	341.8803	16201.71	3291.52
7	5.04	292	103.9886	9856.04	1695.47
8	6.35	204	72.6496	13774.36	2006.27
9	8.00	161	57.3362	21736.15	2680.91
10	10.00	127	45.2279	34296.33	3581.67
11	12.70	83	29.5584	44810.54	3962.89
12	16.00	22	7.8348	23762.82	1779.30
13	20.20	12	4.2735	25923.08	1643.58
14	25.40	11	3.9174	47517.81	2551.11
15	32.00	2	.7123	17286.32	785.75
16	40.30	4	1.4245	69145.30	2661.33

Total Particle Volume= 379718.13u³/ml

Total Particle Carbon= 42804.11pg/m

FILE LABEL IS 10*P-0

KNORR 81 26 AUG 80 STA 10H 10m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total Volume= 2.81 ml

Total count= 18091 particles

Total Particle Concentration= 6442.66 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	6662	2372.5071	7027.37	2777.23
3	2.00	4248	1512.8205	8961.95	2998.99
4	2.52	2903	1033.8319	12250.91	3471.17
5	3.17	2515	895.6553	21227.03	5092.72
6	4.00	916	326.2108	15459.13	3140.66
7	5.04	330	117.5214	11138.68	1916.11
8	6.35	175	62.3219	11816.24	1721.07
9	8.00	112	39.8860	15120.80	1864.98
10	10.00	108	38.4615	29165.38	3045.83
11	12.70	61	21.7236	32933.05	2912.49
12	16.00	36	12.8205	38884.62	2911.58
13	20.20	12	4.2735	25923.08	1643.58
14	25.40	8	2.8490	34558.40	1855.36
15	32.00	4	1.4245	34572.65	1571.51
16	40.30	1	.3561	17286.32	665.33

Total Particle Volume= 316325.60u³/ml

Total Particle Carbon= 37588.59pg/m

FILE LABEL IS 10*P10

KNORR 81 26 AUG 80 STA 10H 15m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total count= 20064 particles

Total Volume= 2.81 ml

Total Particle Concentration= 7145.30 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	1.59	6867	2445.5128	7243.61	2862.69
3	2.00	4759	1694.8006	10040.00	3359.74
4	2.52	3604	1283.4758	15209.19	4309.37
5	3.17	2715	966.8803	22915.06	5497.71
6	4.00	1001	356.4815	16893.66	3432.09
7	5.04	403	143.5185	13602.69	2339.98
8	6.35	258	91.8803	17420.51	2537.35
9	8.00	172	61.2536	23221.23	2864.07
10	10.00	138	49.1453	37266.88	3891.90
11	12.70	86	30.6268	46430.20	4106.13
12	16.00	32	11.3960	34564.10	2588.07
13	20.20	11	3.9174	23762.82	1506.61
14	25.40	13	4.6296	56157.41	3014.95
15	32.00	3	1.0684	25929.49	1178.63
16	40.30	2	.7123	34572.65	1330.66

Total Particle Volume= 385229.49u³/ml

Total Particle Carbon= 44819.96pg/ml

FILE LABEL IS 10#P15

KNORR 81 26 AUG 80 STA 10H 20m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total count= 48794 particles

Total Volume= 2.81 ml

Total Particle Concentration= 17376.78 particles/ml

CHAN # PART DIAM # of CNTS PARTICLES/ml PARTICLE VOL/ml CARBON(pg)/ml

2	1.59	20938	7456.5527	22086.31	8728.56
3	2.00	8058	2869.6581	16999.85	5688.76
4	2.52	5335	1899.9288	22514.16	6379.16
5	3.17	7333	2611.4672	61891.77	14848.87
6	4.00	3489	1242.5214	58883.09	11962.61
7	5.04	1237	440.5271	41753.16	7182.53
8	6.35	666	237.1795	44969.23	6549.89
9	8.00	526	187.3219	71013.75	8758.74
10	10.00	520	185.1852	140425.93	14665.11
11	12.70	400	142.4501	215954.42	19098.28
12	16.00	154	54.8433	166339.74	12455.08
13	20.20	72	25.6410	155538.46	9861.46
14	25.40	29	10.3276	125274.22	6725.66
15	32.00	19	6.7664	164220.09	7464.65
16	40.30	18	6.4103	311153.85	11975.98

Total Particle Volume= 1619018.01u³/ml

Total Particle Carbon= 152345.35pg/ml

FILE LABEL IS 10#P20

KNORR 81 26 AUG 80 STA 10H 25m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total Volume= 2.81 ml

Total count= 47733 particles

Total Particle Concentration= 16998.93 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	18723	6667.7350	19749.83	7805.18
3	2.00	9565	3406.3390	20179.15	6752.67
4	2.52	6531	2325.8547	27561.38	7809.24
5	3.17	5506	1960.8262	46471.58	11149.31
6	4.00	3254	1158.8319	54917.04	11156.87
7	5.04	1743	620.7265	58832.46	10120.57
8	6.35	890	316.9516	60094.02	8752.86
9	8.00	628	223.6467	84784.47	10457.20
10	10.00	461	164.1738	124492.98	13001.19
11	12.70	221	78.7037	119314.81	10551.80
12	16.00	114	40.5983	123134.62	9220.00
13	20.20	55	19.5869	118814.10	7533.06
14	25.40	28	9.9715	120954.42	6493.74
15	32.00	9	3.2051	77788.46	3535.89
16	40.30	6	2.1368	103717.95	3991.99

Total Particle Volume= 1160807.28u³/ml

Total Particle Carbon= 128331.56pg/ml

FILE LABEL IS 10*P25

KNORR 81 26 AUG 80 STA 10H 30m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total Volume= 2.81 ml

Total count= 54742 particles

Total Particle Concentration= 19495.01 particles/ml

KNORR 81 26 AUG 80 STA 10H 40m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total Volume= 2.81 ml

Total count= 22846 particles

Total Particle Concentration= 8136.04 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	9938	3539.1738	10483.03	4142.92
3	2.00	5076	1807.6923	10708.77	3583.54
4	2.52	3418	1217.2365	14424.25	4086.96
5	3.17	1995	710.4701	16838.14	4039.75
6	4.00	1097	390.6695	18513.83	3761.24
7	5.04	605	215.4558	20420.90	3512.88
8	6.35	331	117.8775	22349.57	3255.28
9	8.00	154	54.8433	20791.10	2564.35
10	10.00	97	34.5442	26194.84	2735.61
11	12.70	60	21.3675	32393.16	2664.74
12	16.00	41	14.6011	44285.26	3315.96
13	20.20	16	5.6980	34564.10	2191.44
14	25.40	8	2.8490	34558.40	1855.36
15	32.00	8	2.8490	69145.30	3143.01
16	40.30	2	.7123	34572.65	1330.66

Total Particle Volume= 410243.31u³/ml

Total Particle Carbon= 46383.70pg/ml

FILE LABEL IS 10*P40

KNORR 81 26 AUG 80 STA 10H 50m

Aperature = 100 Micron

Flow Rate= .0468 ml/sec

Elapsed time= 60 sec

Total Volume= 2.81 ml

Total count= 58193 particles

Total Particle Concentration= 20724.00 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	24227	8627.8490	25555.69	10099.67
3	2.00	13412	4776.3533	28295.12	9468.56
4	2.52	8554	3046.2963	36098.61	10228.17
5	3.17	5666	2017.8063	47822.01	11473.30
6	4.00	3184	1133.9031	53735.67	10916.86
7	5.04	1652	588.3191	55760.88	9592.19
8	6.35	794	282.7635	53611.97	7808.73
9	8.00	433	154.2023	58458.08	7210.14
10	10.00	163	58.0484	44018.13	4596.95
11	12.70	66	23.5043	35632.48	3151.22
12	16.00	21	7.4786	22682.69	1698.42
13	20.20	9	3.2051	19442.31	1232.68
14	25.40	4	1.4245	17279.20	927.68
15	32.00	4	1.4245	34572.65	1571.51
16	40.30	4	1.4245	69145.30	2661.33

Total Particle Volume= 602110.78u³/ml

Total Particle Carbon= 92637.40pg/ml

FILE LABEL IS 10*P50

KNORR 81 26 AUG 80 STA 10H 65m

Aperture = 100 Micron

Flow Rate = .0468 ml/sec

Elapsed time = 60 sec

Total Volume = 2.81 ml

Total count = 60553 particles

Total Particle Concentration = 21564.46 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	25417	9051.6382	26810.95	10595.75
3	2.00	13952	4968.6610	29434.35	9849.79
4	2.52	9052	3223.6467	38200.21	10823.64
5	3.17	5776	2056.9801	48750.43	11696.04
6	4.00	3186	1134.6154	53769.42	10923.72
7	5.04	1723	613.6040	58157.39	10004.44
8	6.35	813	289.5299	54894.87	7995.59
9	8.00	395	140.6695	53327.81	6577.38
10	10.00	147	52.3504	39697.33	4145.71
11	12.70	52	18.5185	28074.07	2482.78
12	16.00	20	7.1225	21602.56	1617.54
13	20.20	11	3.9174	23762.82	1506.61
14	25.40	7	2.4929	30238.60	1623.44
15	32.00	2	.7123	17286.32	785.75
16	40.30	0	0.0000	0.00	0.00

Total Particle Volume = 524007.15u³/ml

Total Particle Carbon = 90620.19pg/n

FILE LABEL IS 10*P65

KNORR 81 26 AUG 80 STA 10H 30m (CHNS 2 & 3 MISSING)

Aperture = 100 Micron

Flow Rate = .0468 ml/sec

Elapsed time = 60 sec

Total Volume = 2.81 ml

Total count = 54742 particles

Total Particle Concentration = 19495.01 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	1.59	0	0.0000	0.00	0.00
3	2.00	0	0.0000	0.00	0.00
4	2.52	8284	2950.1425	34959.19	9905.33
5	3.17	5277	1879.2735	44538.78	10685.60
6	4.00	3792	1350.4274	63996.75	13001.49
7	5.04	2048	729.3447	69127.29	11891.52
8	6.35	1418	504.9858	95745.30	13945.57
9	8.00	897	319.4444	121101.39	14936.48
10	10.00	769	273.8604	207668.34	21687.45
11	12.70	255	90.8120	137670.94	12175.15
12	16.00	73	25.9972	78849.36	5904.03
13	20.20	44	15.6695	95051.28	6026.45
14	25.40	26	9.2593	112314.81	6029.90
15	32.00	6	2.1368	51858.97	2357.26
16	40.30	3	1.0684	51858.97	1996.00

Total Particle Volume = 1164741.39u³/ml

Total Particle Carbon = 130542.23pg/n

FILE LABEL IS 10*P30

KNORR 81 28 AUG 80 STA 21H 0m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 22254 particles

Total Volume= 33.16 ml

Total Particle Concentration= 671.19 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	8244	248.6428	23566.36	4053.97
3	6.35	3613	108.9697	20660.66	3009.28
4	8.00	2588	78.0553	29590.75	3649.68
5	10.00	2988	90.1194	68337.57	7136.70
6	12.70	2646	79.8046	120983.71	10699.39
7	16.00	1352	40.7769	123676.44	9260.57
8	20.20	445	13.4214	81414.22	5161.83
9	25.40	238	7.1782	87071.42	4674.65
10	32.00	82	2.4732	60023.53	2728.38
11	40.30	28	.8445	40991.68	1577.73
12	50.80	15	.4524	43964.89	1432.48
13	64.00	6	.1810	35179.15	970.51
14	80.60	2	.0603	23446.74	547.74
15	101.60	4	.1206	93786.95	1855.19
16	128.00	3	.0905	140698.52	2356.54

Total Particle Volume= 993392.58u³/ml

Total Particle Carbon= 59114.63pg/

FILE LABEL IS 21HP-0

KNORR 81 28 AUG 80 STA 21H 10m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 12826 particles

Total Volume= 33.16 ml

Total Particle Concentration= 386.84 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	5473	165.0682	15645.16	2691.34
3	6.35	2582	77.8743	14764.97	2150.56
4	8.00	1817	54.8015	20775.27	2562.39
5	10.00	1471	44.3660	33642.76	3513.42
6	12.70	869	26.2094	39733.50	3513.90
7	16.00	339	10.2244	31010.59	2321.99
8	20.20	144	4.3431	26345.28	1670.35
9	25.40	73	2.2017	26706.78	1433.82
10	32.00	24	.7239	17567.86	798.55
11	40.30	22	.6635	32207.75	1239.64
12	50.80	6	.1810	17585.96	572.99
13	64.00	5	.1508	29315.96	808.76
14	80.60	0	0.0000	0.00	0.00
15	101.60	1	.0302	23446.74	463.80
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 328748.56u³/ml

Total Particle Carbon= 23741.49pg.

FILE LABEL IS 21HP10

KNORR 81 28 AUG 80 STA 21H 15m

Aperture = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 90 sec

Total Volume = 33.16 ml

Total count = 14100 particles

Total Particle Concentration = 425.26 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	6144	185.3058	17563.29	3021.30
3	6.35	3104	93.6180	17749.98	2585.33
4	8.00	1874	56.5207	21426.99	2642.78
5	10.00	1475	44.4867	33734.24	3522.97
6	12.70	899	27.1142	41105.20	3635.21
7	16.00	342	10.3149	31285.02	2342.54
8	20.20	132	3.9812	24149.84	1531.15
9	25.40	68	2.0509	24877.55	1335.61
10	32.00	29	.8747	21227.83	964.91
11	40.30	21	.6334	30743.76	1183.29
12	50.80	8	.2413	23447.94	763.99
13	64.00	3	.0905	17589.58	485.25
14	80.60	1	.0302	11723.37	273.87
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume = 316624.58u³/ml

Total Particle Carbon = 24288.21pg/m

FILE LABEL IS 21HP15

KNORR 81 28 AUG 80 STA 21H 20m

Aperture = 280 Micron

Flow Rate = .3684 ml/sec

Elapsed time = 90 sec

Total Volume = 33.16 ml

Total count = 28642 particles

Total Particle Concentration = 863.86 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	10966	330.7395	31347.49	5392.51
3	6.35	5308	160.0917	30353.38	4421.05
4	8.00	3236	97.5992	36999.87	4563.51
5	10.00	3523	106.2553	80573.38	8414.53
6	12.70	3184	96.0309	145582.82	12874.85
7	16.00	1389	41.8929	127061.07	9514.06
8	20.20	577	17.4026	105564.06	6692.98
9	25.40	262	7.9020	95851.73	5146.04
10	32.00	123	3.7097	90035.29	4092.57
11	40.30	37	1.1159	54167.57	2084.85
12	50.80	21	.6334	61550.85	2005.47
13	64.00	12	.3619	70358.31	1941.01
14	80.60	1	.0302	11723.37	273.87
15	101.60	1	.0302	23446.74	463.80
16	128.00	2	.0603	93799.01	1571.02

Total Particle Volume = 1058414.94u³/ml

Total Particle Carbon = 69452.07pg

FILE LABEL IS 21HP20

KNORR 81 28 AUG 80 STA 21H 25m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 29319 particles

Total Volume= 33.16 ml

Total Particle Concentration= 884.27 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	13743	414.4951	39285.85	6758.09
3	6.35	6011	181.2945	34373.43	5006.59
4	8.00	3604	108.6983	41207.52	5082.48
5	10.00	2333	70.3643	53357.28	5572.27
6	12.70	1552	46.8090	70962.48	6275.68
7	16.00	1047	31.5780	95776.06	7171.46
8	20.20	453	13.6627	82877.85	5254.63
9	25.40	280	8.4449	102436.96	5499.59
10	32.00	174	5.2479	127366.99	5789.49
11	40.30	68	2.0509	99551.21	3831.62
12	50.80	33	.9953	96722.77	3151.45
13	64.00	14	.4222	82084.69	2264.51
14	80.60	5	.1508	58616.84	1369.35
15	101.60	0	0.0000	0.00	0.00
16	128.00	2	.0603	93799.01	1571.02

Total Particle Volume= 1078418.94u³/ml

Total Particle Carbon= 64598.23pg/r

FILE LABEL IS 21HP25

KNORR 81 28 AUG 80 STA 21H 30m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 34651 particles

Total Volume= 33.16 ml

Total Particle Concentration= 1045.09 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	14901	449.4209	42596.11	7327.54
3	6.35	7669	231.3005	43854.58	6387.54
4	8.00	4664	140.6684	53327.37	6577.32
5	10.00	3432	103.5107	78492.15	8197.18
6	12.70	1679	50.6394	76769.33	6789.22
7	16.00	898	27.0841	82146.04	6150.88
8	20.20	554	16.7089	101356.13	6426.19
9	25.40	363	10.9482	132802.21	7129.82
10	32.00	316	9.5307	231310.17	10514.24
11	40.30	115	3.4685	168358.67	6479.95
12	50.80	44	1.3271	128963.69	4201.93
13	64.00	9	.2714	52768.73	1455.76
14	80.60	3	.0905	35170.10	821.61
15	101.60	2	.0603	46893.47	927.59
16	128.00	2	.0603	93799.01	1571.02

Total Particle Volume= 1368607.77u³/ml

Total Particle Carbon= 80957.80pg/r

FILE LABEL IS 21HP30

KNORR 81 28 AUG 80 STA 21H 35m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total Volume= 33.16 ml

Total count= 2556 particles

Total Particle Concentration= 77.09 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	8513	256.7559	24335.33	4186.25
3	6.35	4882	147.2433	27917.34	4066.24
4	8.00	3154	95.1261	36062.29	4447.87
5	10.00	4750	143.2622	108635.69	11345.16
6	12.70	2722	82.0968	124458.68	11006.71
7	16.00	590	17.7947	53971.23	4041.22
8	20.20	275	8.2941	50312.16	3189.90
9	25.40	263	7.9322	96217.58	5165.68
10	32.00	267	8.0528	195442.45	8883.87
11	40.30	109	3.2875	159574.74	6141.86
12	50.80	22	.6635	64481.84	2100.97
13	64.00	6	.1810	35179.15	970.51
14	80.60	0	0.0000	0.00	0.00
15	101.60	2	.0603	46893.47	927.59
16	128.00	1	.0302	46899.51	785.51

Total Particle Volume= 1070381.46u³/ml

Total Particle Carbon= 67259.34pg/

FILE LABEL IS 21HP35

KNORR 81 28 AUG 80 STA 21H 45m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total Volume= 33.16 ml

Total count= 34380 particles

Total Particle Concentration= 1036.92 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	19160	577.8743	54770.93	9421.89
3	6.35	9085	274.0077	51951.86	7566.93
4	8.00	4008	120.8831	45826.78	5652.21
5	10.00	1489	44.9089	34054.43	3556.41
6	12.70	393	11.8531	17969.24	1589.14
7	16.00	124	3.7399	11343.11	849.34
8	20.20	47	1.4175	8598.81	545.18
9	25.40	30	.9048	10975.39	589.24
10	32.00	23	.6937	16835.87	765.28
11	40.30	15	.4524	21959.83	845.21
12	50.80	5	.1508	14654.96	477.49
13	64.00	1	.0302	5863.19	161.75
14	80.60	0	0.0000	0.00	0.00
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 294804.39u³/ml

Total Particle Carbon= 32020.08pg

FILE LABEL IS 21HP406

KNORR 81 28 AUG 80 STA 21H 55m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 27449 particles

Total Volume= 33.16 ml

Total Particle Concentration= 827.87 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	14753	444.9572	42173.04	7254.76
3	6.35	6944	209.4342	39708.72	5783.69
4	8.00	3218	97.0563	36794.06	4538.13
5	10.00	1491	44.9692	34100.17	3561.19
6	12.70	605	18.2471	27662.56	2446.38
7	16.00	252	7.6004	23052.12	1726.08
8	20.20	102	3.0764	18661.24	1183.16
9	25.40	50	1.5080	18292.32	982.07
10	32.00	25	.7540	18299.86	831.82
11	40.30	6	.1810	8783.93	338.08
12	50.80	2	.0603	5861.99	191.00
13	64.00	0	0.0000	0.00	0.00
14	80.60	1	.0302	11723.37	273.87
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 285113.37u³/ml

Total Particle Carbon= 29110.23pg/ml

FILE LABEL IS 21HP55

KNORR 81 28 AUG 80 STA 21H 65m

Aperature = 280 Micron

Flow Rate= .3684 ml/sec

Elapsed time= 90 sec

Total count= 33049 particles

Total Volume= 33.16 ml

Total Particle Concentration= 996.77 particles/ml

CHAN #	PART DIAM	# of CNTS	PARTICLES/ml	PARTICLE VOL/ml	CARBON(pg)/ml
--------	-----------	-----------	--------------	-----------------	---------------

2	5.04	17468	526.8428	49934.16	8589.85
3	6.35	7901	238.2977	45181.25	6580.78
4	8.00	3955	119.2846	45220.79	5577.47
5	10.00	1978	59.6574	45238.19	4724.36
6	12.70	1001	30.1906	45768.97	4047.65
7	16.00	457	13.7833	41804.83	3130.24
8	20.20	180	5.4289	32931.60	2087.93
9	25.40	72	2.1716	26340.93	1414.18
10	32.00	26	.7842	19031.85	865.10
11	40.30	9	.2714	13175.90	507.13
12	50.80	2	.0603	5861.99	191.00
13	64.00	0	0.0000	0.00	0.00
14	80.60	0	0.0000	0.00	0.00
15	101.60	0	0.0000	0.00	0.00
16	128.00	0	0.0000	0.00	0.00

Total Particle Volume= 370490.46u³/ml

Total Particle Carbon= 37715.68pg/ml

FILE LABEL IS 21HP65

ZOOPLANKTON DATA

T A B L E O F U N I T S

STATION	DATE EDT	TIME EDT	LATITUDE DEGREES	LONGITUDE DEGREES
	SONIC DEPTH M	SURFACE TEMPERATURE C	NET MESH U	FLOW VOLUME M3

DEPTH M		SAMPLE VOLUME LITERS	FRACTION COUNT	VOLUME COUNT M3
.....				

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
19	28 AUG 80	00:12:00	40 15.0 N	71 55.1 W

SONIC	NET
DEPTH	MESH
71.0	102

DEPTH
5.0

S P E C I E S	RANK	%	NO./M3
PENILIA SPP. - - - - -	1.0	57.03	5548
OITHONA SPP. - - - - -	2.0	17.58	1710
NAUPLII - - - - -	3.0	8.36	813
APPENDICULARIANS - - - - -	4.0	4.00	389
PTEROPODS - - - - -	5.0	3.31	322
CENTROPAGES TYPICUS C - - - - -	6.0	3.25	316
PARACALANUS SPP. A - - - - -	7.0	2.78	270
PARACALANUS SPP. C - - - - -	8.0	1.48	144
NANNOCALANUS MINOR C - - - - -	9.0	0.84	82
CENTROPAGES TYPICUS AF - - - - -	10.0	0.25	24
OTHER ZOOPLANKTON - - - - -	11.0	0.21	20
HARPACTICIDS - - - - -	12.5	0.20	19
UNIDENTIFIED COPEPODS - - - - -	12.5	0.20	19
CENTROPAGES TYPICUS AM - - - - -	14.0	0.15	15
CHAETOGNATHS - - - - -	15.0	0.11	11
NANNOCALANUS MINOR A - - - - -	16.0	0.10	10
CALANOID COPEPODIDS UNID. - - - - -	17.0	0.07	7
ONCAEA SPP. - - - - -	18.5	0.03	3
METRIDIA SPP. C - - - - -	18.5	0.03	3
PSEUDOCALANUS SPP. C - - - - -	21.5	0.01	1
CALANUS SPP. C - - - - -	21.5	0.01	1
TEMORA SPP. C - - - - -	21.5	0.01	1
CORYCAEUS SPP. - - - - -	21.5	0.01	1
TOTALS	23	100	9729

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
19	28 AUG 80	00:12:00	40 15.0 N	71 55.1 W

SONIC	NET
DEPTH	MESH
71.0	102

DEPTH
10.0

S P E C I E S	RANK	%	NO./M3
PENILIA SPP. - - - - -	1.0	71.99	16620
OITHONA SPP. - - - - -	2.0	17.17	3963
CENTROPAGES TYPICUS C - - - - -	3.0	2.38	549
NAUPLII - - - - -	4.0	1.76	406
APPENDICULARIANS, - - - - -	5.0	1.72	396
PARACALANUS SPP. C - - - - -	6.0	1.61	372
PTEROPODS - - - - -	7.0	1.14	263
PARACALANUS SPP. A - - - - -	8.0	0.97	224
NANNOCALANUS MINOR C - - - - -	9.0	0.41	94
OTHER ZOOPLANKTON - - - - -	10.0	0.27	62
HARPACTICIDS - - - - -	11.0	0.14	33
CALANOID COPEPODIDS UNID. - - - - -	12.0	0.14	32
NANNOCALANUS MINOR A - - - - -	13.5	0.06	15
CENTROPAGES TYPICUS AF - - - - -	13.5	0.06	15
CHAETOGNATHS - - - - -	15.0	0.06	14
UNIDENTIFIED COPEPODS - - - - -	16.0	0.06	13
CENTROPAGES TYPICUS AM - - - - -	17.0	0.04	10
ONCAEA SPP. - - - - -	18.0	0.03	6
TOTALS	18	100	23087

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
19	28 AUG 80	00:12:00	40 15.0 N	71 55.1 W

SONIC	NET
DEPTH	MESH
71.0	102

DEPTH
15.0

S P E C I E S	RANK	%	NO./M3
OITHONA SPP. - - - - -	1.0	47.66	4716
PENILIA SPP. - - - - -	2.0	37.38	3699
NAUPLII - - - - -	3.0	5.81	575
CENTROPAGES TYPICUS C - - - - -	4.0	3.24	321
HARPACTICIDS - - - - -	5.0	1.46	144
APPENDICULARIANS - - - - -	6.0	1.02	101
PTEROPODS - - - - -	7.5	0.69	68
OTHER ZOOPLANKTON - - - - -	7.5	0.69	68
PARACALANUS SPP. A - - - - -	9.0	0.49	48
NANNOCALANUS MINOR C - - - - -	10.0	0.33	33
PARACALANUS SPP. C - - - - -	11.0	0.32	32
CALANOID COPEPODIDS UNID. - - - - -	12.0	0.18	18
CHAETOGNATHS - - - - -	13.0	0.16	16
NANNOCALANUS MINOR A - - - - -	14.0	0.14	14
ONCAEA SPP. - - - - -	15.0	0.12	12
UNIDENTIFIED COPEPODS - - - - -	16.5	0.09	9
CENTROPAGES TYPICUS AF - - - - -	16.5	0.09	9
CENTROPAGES TYPICUS AM - - - - -	18.0	0.08	8
CORYCAEUS SPP. - - - - -	19.0	0.02	2
PSEUDOCALANUS SPP. C - - - - -	21.0	0.01	1
TEMORA SPP. C - - - - -	21.0	0.01	1
PSEUDOCALANUS SPP. A - - - - -	21.0	0.01	1
TOTALS	22	100	9896

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
19	28 AUG 80	00:12:00	40 15.0 N	71 55.1 W
	SONIC	NET		
	DEPTH	MESH		
	71.0	102		

DEPTH
25.0

S P E C I E S	RANK	%	NO./M3
OITHONA SPP. - - - - -	1.0	47.75	9412
NAUPLII - - - - -	2.0	15.33	3022
PTEROPODS - - - - -	3.0	10.56	2081
PENILIA SPP. - - - - -	4.0	6.54	1288
OTHER ZOOPLANKTON - - - - -	5.0	5.28	1040
CENTROPAGES TYPICUS C - - - - -	6.0	4.53	892
PARACALANUS SPP. C - - - - -	7.0	3.02	596
CALANOID COPEPODIDS UNID. - - - - -	8.0	2.36	465
PSEUDOCALANUS SPP. C - - - - -	9.0	1.43	282
PARACALANUS SPP. A - - - - -	10.0	1.05	206
UNIDENTIFIED COPEPODS - - - - -	11.5	0.51	101
HARPACTICIDS - - - - -	11.5	0.51	101
METRIDIA SPP. A - - - - -	13.0	0.43	84
TEMORA SPP. C - - - - -	14.0	0.20	39
PSEUDOCALANUS SPP. A - - - - -	15.0	0.15	29
CALANUS SPP. C - - - - -	16.0	0.11	22
CHAETOGNATHS - - - - -	17.0	0.07	14
METRIDIA SPP. C - - - - -	18.5	0.04	7
ONCAEA SPP. - - - - -	18.5	0.04	7
CALANUS SPP. A - - - - -	20.5	0.03	6
CLAUSOCALANUS SPP. AF - - - - -	20.5	0.03	6
NANNOCALANUS MINOR C - - - - -	22.0	0.02	3
TEMORA SPP. A - - - - -	23.5	0.01	2
CENTROPAGES TYPICUS AM - - - - -	23.5	0.01	2
APPENDICULARIANS - - - - -	25.5	0.01	1
CENTROPAGES TYPICUS AF - - - - -	25.5	0.01	1
TOTALS	26	100	19709

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
19	28 AUG 80	00:12:00	40 15.0 N	71 55.1 W

SONIC	NET
DEPTH	MESH
71.0	102

DEPTH
35.0

S P E C I E S	RANK	%	NO./M3
OITHONA SPP. - - - - -	1.0	68.29	8520
OTHER ZOOPLANKTON - - - - -	2.0	13.58	1694
PTEROPODS - - - - -	3.0	3.25	406
NAUPLII - - - - -	4.0	2.78	347
PARACALANUS SPP. A - - - - -	5.0	2.17	271
PSEUDOCALANUS SPP. C - - - - -	6.0	2.17	271
CALANOID COPEPODIDS UNID. - - - - -	6.0	2.17	271
PSEUDOCALANUS SPP. A - - - - -	8.0	1.45	181
CALANUS SPP. C - - - - -	9.0	1.22	152
METRIDIA SPP. C - - - - -	10.0	0.94	117
PARACALANUS SPP. C - - - - -	11.0	0.53	66
UNIDENTIFIED COPEPODS - - - - -	12.0	0.50	62
CLAUSOCALANUS SPP. AF - - - - -	13.0	0.18	22
PENILIA SPP. - - - - -	14.0	0.17	21
HARPACTICIDS - - - - -	15.0	0.15	19
METRIDIA SPP. A - - - - -	16.5	0.11	14
CALANUS SPP. A - - - - -	16.5	0.11	14
CENTROPAGES TYPICUS C - - - - -	18.0	0.10	13
CHAETOGNATHS - - - - -	19.0	0.06	8
TEMORA SPP. C - - - - -	20.0	0.06	7
NANNOCALANUS MINOR A - - - - -	21.0	0.01	1
TOTALS	21	100	12477

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
19	28 AUG 80	00:12:00	40 15.0 N	71 55.1 W
	SONIC	NET		
	DEPTH	MESH		
	71.0	102		

DEPTH
45.0

S P E C I E S	RANK	%	NO./M3
OITHONA SPP. - - - - -	1.0	75.92	7583
OTHER ZOOPLANKTON - - - - -	2.0	15.74	1572
NAUPLII - - - - -	3.0	3.13	313
CALANUS SPP. C - - - - -	4.0	2.46	246
METRIDIA SPP. C - - - - -	5.0	1.36	136
UNIDENTIFIED COPEPODS - - - - -	6.0	0.22	22
PSEUDOCALANUS SPP. C - - - - -	7.0	0.19	19
PENILIA SPP. - - - - -	8.0	0.18	18
PSEUDOCALANUS SPP. A - - - - -	9.0	0.17	17
PTEROPODS - - - - -	10.0	0.13	13
CALANUS SPP. A - - - - -	11.0	0.11	11
CALANOID COPEPOIDS UNID. - - - - -	12.0	0.10	10
PARACALANUS SPP. A - - - - -	13.0	0.09	9
METRIDIA SPP. A - - - - -	14.0	0.08	8
CLAUSOCALANUS SPP. AF - - - - -	15.0	0.04	4
CHAETOGNATHS - - - - -	16.0	0.03	3
CENTROPAGES TYPICUS C - - - - -	18.5	0.01	1
HARPACTICIDS - - - - -	18.5	0.01	1
PARACALANUS SPP. C - - - - -	18.5	0.01	1
APPENDICULARIANS - - - - -	18.5	0.01	1
TOTALS	20	100	9988

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
19	28 AUG 80	00:12:00	40 15.0 N	71 55.1 W
	SONIC	NET		
	DEPTH	MESH		
	71.0	102		

DEPTH
55.0

S P E C I E S	RANK	%	NO./M3
OITHONA SPP. - - - - -	1.0	79.33	6044
OTHER ZOOPLANKTON - - - - -	2.0	11.81	900
CALANUS SPP. C - - - - -	3.5	3.27	249
NAUPLII - - - - -	3.5	3.27	249
METRIDIA SPP. C - - - - -	5.0	1.25	95
PTEROPODS - - - - -	6.5	0.17	13
UNIDENTIFIED COPEPODS - - - - -	6.5	0.17	13
PENILIA SPP. - - - - -	8.0	0.16	12
PSEUDOCALANUS SPP. A - - - - -	9.0	0.14	11
PSEUDOCALANUS SPP. C - - - - -	10.0	0.11	8
CALANOID COPEPODIDS UNID. - - - - -	11.0	0.08	6
METRIDIA SPP. A - - - - -	12.5	0.05	4
CALANUS SPP. A - - - - -	12.5	0.05	4
HARPACTICIDS - - - - -	14.5	0.04	3
CLAUSOCALANUS SPP. AF - - - - -	14.5	0.04	3
CENTROPAGES TYPICUS C - - - - -	16.0	0.03	2
CENTROPAGES TYPICUS AM - - - - -	18.0	0.01	1
PARACALANUS SPP. A - - - - -	18.0	0.01	1
PARACALANUS SPP. C - - - - -	18.0	0.01	1
TOTALS	19	100	7619

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
21	28 AUG 80	11:13:00	40 13.6 N	71 56.4 W

SONIC	NET
DEPTH	MESH
70.0	102

DEPTH
5.0

S P E C I E S	RANK	%	NO./M3
PENILIA SPP. - - - - -	1.0	77.72	8530
OITHONA SPP. - - - - -	2.0	14.62	1605
PARACALANUS SPP. C - - - - -	3.0	1.91	210
NANNOCALANUS MINOR C - - - - -	4.0	1.18	130
PTEROPODS - - - - -	5.0	1.11	122
PARACALANUS SPP. A - - - - -	6.0	0.87	95
NAUPLII - - - - -	7.0	0.75	82
APPENDICULARIANS - - - - -	8.0	0.74	81
CENTROPAGES TYPICUS C - - - - -	9.0	0.49	54
OTHER ZOOPLANKTON - - - - -	10.0	0.28	31
HARPACTICIDS - - - - -	11.0	0.13	14
NANNOCALANUS MINOR A - - - - -	12.5	0.05	6
CENTROPAGES TYPICUS AF - - - - -	12.5	0.05	6
CALANOID COPEPODIDS UNID. - - - - -	14.0	0.04	4
CENTROPAGES TYPICUS AM - - - - -	15.0	0.02	2
CHAETOGNATHS - - - - -	17.5	0.01	1
ONCAEA SPP. - - - - -	17.5	0.01	1
UNIDENTIFIED COPEPODS - - - - -	17.5	0.01	1
CORYCAEUS SPP. - - - - -	17.5	0.01	1
TOTALS	19	100	10976

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
21	28 AUG 80	11:13:00	40 13.6 N	71 56.4 W
	SONIC	NET		
	DEPTH	MESH		
	70.0	102		

DEPTH
10.0

S P E C I E S	RANK	%	NO./M3
PENILIA SPP. - - - - -	1.0	79.66	18082
OITHONA SPP. - - - - -	2.0	17.22	3908
PARACALANUS SPP. C - - - - -	3.0	0.71	161
PTEROPODS - - - - -	4.0	0.63	144
NAUPLII - - - - -	5.0	0.39	89
NANNOCALANUS MINOR C - - - - -	6.0	0.34	77
CENTROPAGES TYPICUS C - - - - -	7.0	0.31	71
HARPACTICIDS - - - - -	8.0	0.21	47
PARACALANUS SPP. A - - - - -	9.0	0.17	39
QTHER ZOOPLANKTON - - - - -	10.0	0.13	30
APPENDICULARIANS - - - - -	11.0	0.10	22
CALANOID COPEPODIDS UNID. - - - - -	12.0	0.05	11
NANNOCALANUS MINOR A - - - - -	13.0	0.03	7
ONCAEA SPP. - - - - -	15.0	0.01	3
CENTROPAGES TYPICUS AF - - - - -	15.0	0.01	3
CALANUS SPP. C - - - - -	15.0	0.01	3
CORYCAEUS SPP. - - - - -	18.0	0.00	1
UNIDENTIFIED COPEPODS - - - - -	18.0	0.00	1
CENTROPAGES TYPICUS AM - - - - -	18.0	0.00	1
TOTALS	19	100	22700

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
21	28 AUG 80	11:13:00	40 13.6 N	71 56.4 W

SONIC	NET
DEPTH	MESH
70.0	102

DEPTH
15.0

SPECIES	RANK	%	NO./M3
PENILIA SPP. - - - - -	1.0	75.86	25231
OITHONA SPP. - - - - -	2.0	21.85	7266
HARPACTICIDS - - - - -	3.0	0.66	218
NAUPLII - - - - -	4.0	0.38	128
PTEROPODS - - - - -	5.0	0.36	120
NANNOCALANUS MINOR C - - - - -	6.0	0.29	96
CENTROPAGES TYPICUS C - - - - -	7.0	0.21	69
OTHER ZOOPLANKTON - - - - -	8.0	0.20	68
PARACALANUS SPP. C - - - - -	9.0	0.05	18
CALANOID COPEPODIDS UNID. - - - - -	10.0	0.03	11
PARACALANUS SPP. A - - - - -	11.0	0.03	10
APPENDICULARIANS - - - - -	12.0	0.03	9
CHAETOGNATHS - - - - -	13.0	0.02	6
ONCAEA SPP. - - - - -	14.0	0.01	4
CORYCAEUS SPP. - - - - -	15.0	0.01	3
CENTROPAGES TYPICUS AF - - - - -	17.5	0.00	1
UNIDENTIFIED COPEPODS - - - - -	17.5	0.00	1
NANNOCALANUS MINOR A - - - - -	17.5	0.00	1
CENTROPAGES TYPICUS AM - - - - -	17.5	0.00	1
TOTALS	19	100	33261

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
21	28 AUG 80	11:13:00	40 13.6 N	71 56.4 W

SONIC	NET
DEPTH	MESH
70.0	102

DEPTH
25.0

S P E C I E S	RANK	%	NO./M3
OITHONA SPP. - - - - -	1.0	63.41	10007
NAUPLII - - - - -	2.0	20.71	3269
CENTROPAGES TYPICUS C - - - - -	3.0	7.39	1166
CALANOID COPEPODIDS UNID. - - - - -	4.0	2.95	465
HARPACTICIDS - - - - -	5.0	1.66	262
PARACALANUS SPP. C - - - - -	6.0	1.23	194
PARACALANUS SPP. A - - - - -	7.0	0.53	84
UNIDENTIFIED COPEPODS - - - - -	8.0	0.50	79
PTEROPODS - - - - -	9.0	0.39	62
PENILIA SPP. - - - - -	10.0	0.33	52
CHAETOGNATHS - - - - -	11.0	0.22	35
OTHER ZOOPLANKTON - - - - -	12.0	0.15	24
PSEUDOCALANUS SPP. C - - - - -	13.0	0.13	21
TEMORA SPP. C - - - - -	14.0	0.11	18
ONCAEA SPP. - - - - -	15.5	0.07	11
APPENDICULARIANS - - - - -	15.5	0.07	11
PSEUDOCALANUS SPP. A - - - - -	17.0	0.06	10
CALANUS SPP. C - - - - -	18.0	0.05	8
CENTROPAGES TYPICUS AM - - - - -	19.0	0.02	3
TOTALS	19	100	15781

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
21	28 AUG 80	11:13:00	40 13.6 N	71 56.4 W
	SONIC	NET		
	DEPTH	MESH		
	70.0	102		

DEPTH
35.0

S P E C I E S	RANK	%	NO./M3
OITHONA SPP. - - - - -	1.0	67.99	12087
OTHER ZOOPLANKTON - - - - -	2.0	13.39	2380
PARACALANUS SPP. A - - - - -	3.0	5.43	966
NAUPLII - - - - -	4.0	5.16	917
PTEROPODS - - - - -	5.0	3.45	613
PSEUDOCALANUS SPP. C - - - - -	6.0	1.34	238
CALANUS SPP. C - - - - -	7.0	0.86	153
PARACALANUS SPP. C - - - - -	8.0	0.62	110
CALANOID COPEPODIDS UNID. - - - - -	9.0	0.60	106
PSEUDOCALANUS SPP. A - - - - -	10.0	0.38	67
UNIDENTIFIED COPEPODS - - - - -	11.0	0.30	53
CALANUS SPP. A - - - - -	12.0	0.17	30
CHAETOGNATHS - - - - -	13.0	0.10	17
CENTROPAGES TYPICUS C - - - - -	14.0	0.08	14
PENILIA SPP. - - - - -	15.0	0.03	6
METRIDIA SPP. C - - - - -	16.5	0.03	5
HARPACTICIDS - - - - -	16.5	0.03	5
ONCAEA SPP. - - - - -	18.0	0.02	4
APPENDICULARIANS - - - - -	19.0	0.02	3
CENTROPAGES TYPICUS AF - - - - -	20.0	0.01	2
METRIDIA SPP. A - - - - -	21.0	0.01	1
TOTALS	21	100	17777

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
21	28 AUG 80	11:13:00	40 13.6 N	71 56.4 W

SONIC	NET
DEPTH	MESH
70.0	102

DEPTH
45.0

S P E C I E S	RANK	%	NO./M3
OITHONA SPP. - - - - -	1.0	70.71	5502
OTHER ZOOPLANKTON - - - - -	2.0	13.15	1023
PTEROPODS - - - - -	3.0	5.49	427
NAUPLII - - - - -	4.0	3.69	287
CALANUS SPP. C - - - - -	5.0	3.01	234
METRIDIA SPP. C - - - - -	6.0	1.70	132
PSEUDOCALANUS SPP. A - - - - -	7.0	0.51	40
PSEUDOCALANUS SPP. C - - - - -	8.0	0.42	33
UNIDENTIFIED COPEPODS - - - - -	9.0	0.37	29
PARACALANUS SPP. A - - - - -	10.0	0.21	16
CALANOID COPEPOIDS UNID. - - -	11.0	0.18	14
METRIDIA SPP. A - - - - -	12.0	0.13	10
CHAETOGNATHS - - - - -	13.0	0.12	9
CALANUS SPP. A - - - - -	14.0	0.09	7
CENTROPAGES TYPICUS C - - - - -	15.0	0.08	6
PARACALANUS SPP. C - - - - -	17.0	0.04	3
PENILIA SPP. - - - - -	17.0	0.04	3
CLAUSOCALANUS SPP. AF - - - - -	17.0	0.04	3
CENTROPAGES TYPICUS AF - - - - -	20.0	0.01	1
ONCAEA SPP. - - - - -	20.0	0.01	1
CENTROPAGES TYPICUS AM - - - - -	20.0	0.01	1
TOTALS	21	100	7781

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR ZOOPLANKTON DATA REPORT

STATION	DATE	TIME	LATITUDE	LONGITUDE
21	28 AUG 80	11:13:00	40 13.6 N	71 56.4 W

SONIC	NET
DEPTH	MESH
70.0	102

DEPTH
55.0

S P E C I E S	RANK	%	NO./M3
OITHONA SPP. - - - - -	1.0	71.00	6149
OTHER ZOOPLANKTON - - - - -	2.0	9.61	832
NAUPLII - - - - -	3.0	6.41	555
CALANUS SPP. C - - - - -	4.0	6.30	546
PTEROPODS - - - - -	5.0	4.05	351
METRIDIA SPP. C - - - - -	6.0	1.14	99
UNIDENTIFIED COPEPODS - - - - -	7.0	0.36	31
PSEUDOCALANUS SPP. A - - - - -	8.0	0.27	23
CALANOID COPEPODIDS UNID. - - - - -	9.0	0.22	19
PSEUDOCALANUS SPP. C - - - - -	10.0	0.20	17
METRIDIA SPP. A - - - - -	11.0	0.16	14
CALANUS SPP. A - - - - -	12.0	0.07	6
CHAETOGNATHS - - - - -	13.5	0.06	5
CLAUSOCALANUS SPP. AF - - - - -	13.5	0.06	5
CENTROPAGES TYPICUS C - - - - -	15.0	0.02	2
PENILIA SPP. - - - - -	18.5	0.01	1
APPENDICULARIANS - - - - -	18.5	0.01	1
HARPACTICIDS - - - - -	18.5	0.01	1
PARACALANUS SPP. A - - - - -	18.5	0.01	1
PARACALANUS SPP. C - - - - -	18.5	0.01	1
CENTROPAGES TYPICUS AF - - - - -	18.5	0.01	1
TOTALS	21	100	8660

INTERFACE DATA

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR INTERFACE DATA REPORT

T A B L E O F U N I T S

						SONIC	BOTTOM
STATION	CAST	DATE	TIME	LATITUDE	LONGITUDE	DEPTH	TEMPERATURE
		LOCAL	EDT	DEGREES	DEGREES	METERS	CELSIUS
						FLUORMETRIC	
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM	CHLOROPHYLL	PHAEOPHYTIN
METERS	UG-AT/L	UG-AT/L	UG-AT/L	UG-AT/L	UG-AT/L	UG/L	UG/L

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR INTERFACE DATA REPORT

STATION	CAST	DATE	TIME	LATITUDE	LONGITUDE	SONIC	BOTTOM
						DEPTH	TEMPERATURE
98	2	7 SEP 80	13:34:00	38 10.4 N	74 17.8 W	44	7.52

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM	FLUORMETRIC	
						CHLOROPHYLL	PHAEOPHYTIN
40.73	0.33	8.41	0.59	0.13	0.13	-	-
40.97	0.29	7.71	1.54	0.07	0.25	-	-
41.40	0.34	9.49	1.96	0.15	0.37	-	-
41.70	0.47	8.73	4.39	0.07	0.97	-	-
41.88	0.42	8.27	4.49	0.05	0.27	-	-
42.06	0.41	8.66	3.23	0.09	0.42	-	-
42.24	0.43	8.55	2.56	0.06	0.60	-	-
42.42	0.49	10.72	1.67	0.12	0.39	-	-
42.60	0.35	9.30	2.71	0.06	0.48	-	-
42.97	0.43	9.02	1.62	0.07	0.33	-	-
43.15	0.43	8.79	1.91	0.05	0.13	-	-
43.33	0.45	8.60	5.42	0.11	1.09	-	-
43.51	0.39	9.30	8.34	0.19	1.33	-	-
43.70	0.44	8.92	1.51	0.07	0.20	-	-
43.87	-	9.22	3.38	0.06	3.64	-	-

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR INTERFACE DATA REPORT

STATION	CAST	DATE	TIME	LATITUDE	LONGITUDE	SONIC DEPTH	BOTTOM TEMPERATURE
102	2	7 SEP 80	19:47:00	38 31.0 N	74 40.0 W	24	13.18

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM	FLUORMETRIC CHLOROPHYLL	PHAEOPHYTIN
20.73	0.50	4.85	0.01	0.12	0.06	-	-
20.97	0.41	5.11	0.07	0.12	0.10	-	-
21.15	0.38	3.92	0.10	0.09	0.13	-	-
21.40	0.31	4.09	0.17	0.10	0.08	-	-
21.70	0.37	5.58	0.09	0.10	0.06	-	-
21.88	0.28	5.51	0.06	0.09	0.06	-	-
22.06	0.33	5.02	0.08	0.07	0.11	-	-
22.24	0.40	5.70	0.07	0.07	0.10	-	-
22.42	0.37	5.86	0.14	0.06	0.08	-	-
22.86	0.36	5.92	0.11	0.05	0.08	-	-
22.97	0.37	6.03	0.10	0.05	0.08	-	-
23.15	0.33	6.13	0.11	0.03	0.04	-	-
23.33	0.36	5.97	0.37	0.03	0.06	-	-
23.51	0.35	5.84	0.33	0.03	0.07	-	-
23.70	0.36	6.06	0.14	0.02	0.09	-	-
23.87	0.51	4.87	0.18	0.01	0.13	-	-

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR INTERFACE DATA REPORT

STATION	CAST	DATE	TIME	LATITUDE	LONGITUDE	SONIC	BOTTOM
						DEPTH	TEMPERATURE
104	2	7 SEP 80	22:32:00	38 41.0 N	74 50.8 W	18	18.31

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM	FLUORMETRIC	
						CHLOROPHYLL	PHAEOPHYTIN
14.73	0.94	2.21	0.25	0.03	0.38	-	-
14.97	2.10	2.65	0.26	0.03	0.74	-	-
15.15	1.99	2.88	0.20	0.04	0.41	-	-
15.40	0.76	2.67	0.28	0.04	0.40	-	-
15.70	0.51	2.36	0.27	0.03	0.34	-	-
15.88	0.54	2.42	0.19	0.03	0.34	-	-
16.06	0.50	2.91	0.27	0.03	0.34	-	-
16.24	1.86	2.84	0.23	0.04	-	-	-
16.42	0.74	3.17	0.30	0.03	0.37	-	-
16.60	0.61	3.06	0.19	0.04	0.41	-	-
16.97	0.52	2.74	0.25	0.04	0.41	-	-
17.15	0.53	2.86	0.27	0.04	0.31	-	-
17.33	0.48	3.00	0.50	0.04	0.31	-	-
17.51	0.52	3.24	0.47	0.05	0.31	-	-
17.70	0.89	2.67	0.26	0.04	0.49	-	-
17.87	0.76	3.00	0.23	0.06	0.39	-	-

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR INTERFACE DATA REPORT

STATION	CAST	DATE	TIME	LATITUDE	LONGITUDE	SONIC	BOTTOM
						DEPTH	TEMPERATURE
117	2	9 SEP 80	14:00:00	40 31.4 N	70 30.3 W	68	9.65

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM	FLUORMETRIC	
						CHLOROPHYLL	PHAEOPHYTIN
64.73	-	-	-	-	-	0.49	0.31
64.97	-	-	-	-	-	0.66	0.39
65.15	-	-	-	-	-	0.42	0.28
65.40	-	-	-	-	-	0.45	0.37
65.70	-	-	-	-	-	0.50	0.32
65.88	-	-	-	-	-	0.20	0.15
66.06	-	-	-	-	-	0.45	0.29
66.24	-	-	-	-	-	0.66	0.35
66.42	-	-	-	-	-	0.63	0.53
66.60	-	-	-	-	-	0.31	0.21
66.97	-	-	-	-	-	0.45	0.32
67.15	-	-	-	-	-	0.35	0.31
67.33	-	-	-	-	-	0.49	0.27
67.51	-	-	-	-	-	0.34	0.24
67.70	-	-	-	-	-	0.42	0.47

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR INTERFACE DATA REPORT

STATION	CAST	DATE	TIME	LATITUDE	LONGITUDE	SONIC DEPTH	BOTTOM TEMPERATURE
133	2	11 SEP 80	00:35:00	40 31.5 N	70 29.6 W	68	9.71

DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM	FLUORMETRIC CHLOROPHYLL	PHAEOPHYTIN
64.73	-	-	-	-	-	0.26	0.21
64.97	-	-	-	-	-	0.21	0.17
65.15	-	-	-	-	-	0.35	0.22
65.40	-	-	-	-	-	0.35	0.25
65.70	-	-	-	-	-	0.37	0.23
65.88	-	-	-	-	-	0.25	0.34
66.24	-	-	-	-	-	0.34	0.32
66.42	-	-	-	-	-	0.32	0.25
66.60	-	-	-	-	-	0.25	0.19
66.97	-	-	-	-	-	0.25	0.23
67.15	-	-	-	-	-	0.26	0.27
67.33	-	-	-	-	-	0.36	0.29
67.51	-	-	-	-	-	0.30	0.27
67.70	-	-	-	-	-	0.31	0.25
67.87	-	-	-	-	-	0.45	1.61

- DATA NOT TAKEN

ATLANTIC COASTAL EXPERIMENT - 6 R/V KNORR INTERFACE DATA REPORT

						SONIC	BOTTOM
STATION	CAST	DATE	TIME	LATITUDE	LONGITUDE	DEPTH	TEMPERATURE
139	2	11 SEP 80	10:53:00	41 10.6 N	70 56.9 W	29	15.46

FLUORMETRIC							
DEPTH	PHOSPHATE	SILICATE	NITRATE	NITRITE	AMMONIUM	CHLOROPHYLL	PHAEOPHYTIN
25.73	1.13	6.74	1.35	0.13	1.43	-	-
25.97	0.96	6.72	1.34	0.11	1.41	-	-
26.15	1.05	6.60	1.20	0.12	1.28	-	-
26.40	0.80	6.65	1.38	0.14	1.44	-	-
26.70	0.85	6.55	1.27	0.20	1.43	-	-
26.88	1.39	6.79	1.37	0.14	1.41	-	-
27.42	0.93	6.52	1.22	0.13	1.40	-	-
27.60	0.96	6.78	1.28	0.14	1.42	-	-
27.74	1.06	6.60	1.26	0.12	1.73	-	-
27.97	0.74	6.65	1.34	0.13	1.34	-	-
28.15	0.62	6.59	1.18	0.16	1.31	-	-
28.33	0.62	6.79	-	-	1.39	-	-
28.51	1.02	6.68	1.02	0.13	1.27	-	-
28.70	0.57	6.10	1.30	0.12	1.48	-	-
28.87	0.82	6.94	1.27	0.15	1.32	-	-

- DATA NOT TAKEN