

Marine Studies of San Pedro Bay, California

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PART 10

PHYSICAL WATER QUALITY IN THE LONG BEACH HARBOR AREA

Data Report on Temperature, Salinity, Oxygen, pH and Turbidity for
the Port of Long Beach in 1973 and 1974.



Edited by
Dorothy F. Soule
and
Mikihiko Oguri

Published by
The Allan Hancock Foundation
Harbors Environmental Projects
and
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University of Southern California
Los Angeles, California 90007

January, 1976
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On the cover: Port of Long Beach Slip 2. (*Photograph by courtesy of the Port of Long Beach.*)

MARINE STUDIES OF SAN PEDRO BAY, CALIFORNIA. PART 10
PHYSICAL WATER QUALITY IN THE LONG BEACH HARBOR AREA
in 1973 and 1974

by

Dorothy F. Soule and Mikihiko Oguri

Allan Hancock Foundation
University of Southern California
Los Angeles, California 90007

Abstract. Temperature, salinity, oxygen and pH were monitored at monthly intervals in 1973 and 1974 at stations in the Los Angeles-Long Beach harbor areas. Sensors were used to measure parameters at one meter intervals to give depth profiles. Light transmittance was also monitored. Seasonality, wind and weather, nutrient supply, pollutants, and shallow water stirring affect the parameters measured and displayed in the plots.

January, 1976

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Introduction

The physical water quality of Los Angeles-Long Beach Harbors has been monitored for varying lengths of time by the Harbor Environmental Projects group of the Allan Hancock Foundation, University of Southern California. During 1973 and 1974, more than forty stations from Cabrillo Beach to the San Gabriel River mouth were monitored monthly for temperature, salinity, oxygen and pH, at one meter depth intervals throughout the water column. Martek Mark II or III instruments with remote probes were used for these measurements. In addition, percent light transmittance (turbidity) was measured by a Hydroproducts transmissometer.

The harbor areas were divided into four sectors for convenience in monitoring (Fig. 1). Monitoring was begun at Los Angeles A stations in June, 1971, under funding by the Pacific Lighting Corporation; also included in the scope were studies of the plankton, water column and benthic fauna. Subsequently the USC Sea Grant Program (NOAA, Department of Commerce), the Port of Los Angeles, the U.S. Army Corps of Engineers and local industries joined in the expanded cooperative investigations in an effort to gain an understanding of the marine environment, and the B, C, and D stations were added. The present publication is funded by the Port of Long Beach and includes data for 1973 and 1974 from the Port of Long Beach area (B stations), and the harbor waters east of the port, in the Long Beach City area (D stations). A report on A stations for 1971-1973 was published under funding by Pacific Lighting Corporation (Soule and Oguri, 1974).

Long term records demonstrate the difficulty of understanding the ecology of any area on the basis of a single time or short-term monitoring program, in the absence of an adequate baseline and a continuing program. For example, nearshore ocean temperatures off southern California vary from year to year (Soule, 1974), which in turn affects the fauna found in those waters (Soutar and Isaacs, 1969, 1974) and in the waters of the harbors and estuaries. Although the thermal regime of nearshore waters influences the species composition of the fauna, the variations and limitations imposed by dissolved oxygen levels (DO) dominate harbor waters. The reduced circulation, so necessary to safety and efficiency in the berthing of vessels, limits aeration and exchange or flushing. Industrial wastes, effluents from sewage treatment plants and canneries, storm run-off and natural seasonal die-offs of biota

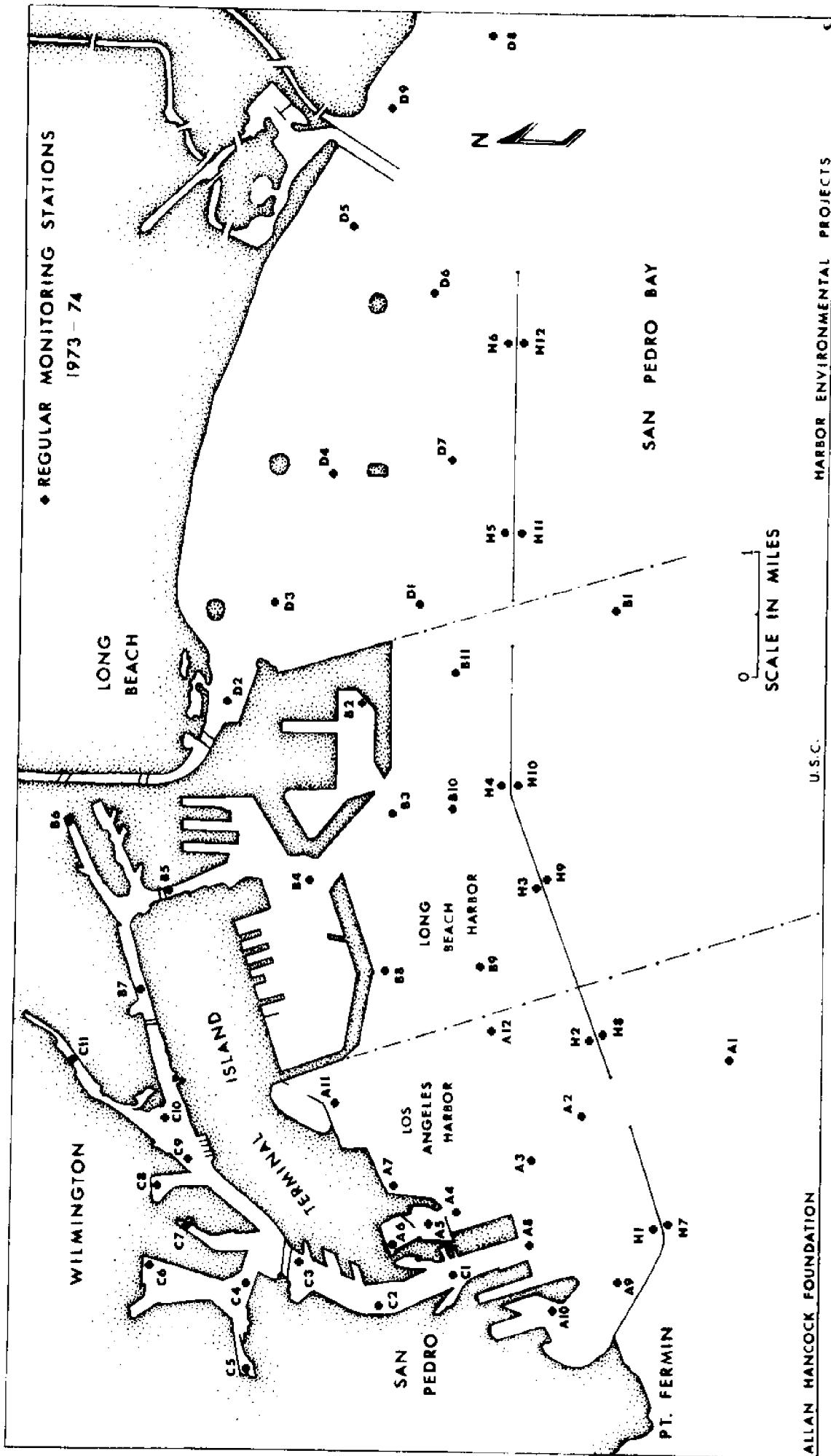


FIGURE 1

all exert demands on the oxygen supply. The supply of oxygen in the water column is related directly to photosynthesis carried on by phytoplankton (single-celled floating algae); these in turn may draw on the nutrients in the harbor waters for growth factors and exert further oxygen demand when populations bloom and then die. It therefore becomes very important to learn what the oxygen budget of the harbor waters may be.

Temperature

The extremes recorded locally since the present investigations began are of interest. The low was 8.1° C (46.6° F) at A1, outside Angels Gate in December, 1971. Highs recorded were at A8 in West Basin, Los Angeles, of 25.8° C in August, 1971 and October, 1971 and 26° C (78.8° F) in July, 1972. Station A8 is near the effluent from the Harbor Steam Plant. In the Long Beach area, the lowest temperature recorded was 8.8° C at B1, outside Queens Gate in April, 1973, and the highest was 27.2° C in September, 1974, at D9 near the San Gabriel River mouth, where the Haynes Steam Plant discharges thermal effluent. Records from the two-year survey in 1973 and 1974 indicate that certain definitive differences occurred in the two years. For example, the high temperature in April of 1973 was lower than the low temperature of April, 1974 at B1, outside the Queens Gate entry of the Port of Long Beach.

The principal variations in sea temperatures in the spring months occur as follows: the water may remain cool through May, or waters may warm relatively suddenly, or temperatures may rise gradually over the period of several months. Conversely, the fall temperatures may drop gradually, as they did in September, October and November of 1973, or they may drop relatively suddenly, as they did in October, 1974, following a relatively cool summer with a peak in September.

The harbor waters are more likely to have temperatures influenced by insolation than are the ocean waters; the latter are more influenced by major currents and global meteorological phenomena (the weather). In harbors, highs correspond to long, sunny, summer days in July and August, and the heat of September, and lows occur in the shorter-day months, and in periods of fog and low cloud cover. May or June often have numerous days with morning fog and low clouds.

Thermal stratification occurs in the summer months, with fairly steep gradients. Rapid mixing, or turnover, such as is seen in freshwater lakes, occurs both inside and outside the harbor in November and December, though this is less apparent in outside waters. A thermal inversion may persist through January and February, as shown at B1 in 1973, when surface

waters are colder than waters beneath the surface. Thermal stratification may be followed by rapid turnover and thermal inversion, which is probably caused by a combination of several seasonal events that occur in the fall. These include hot days followed by long cool nights which chill surface waters, plus occasional strong hot Santa Ana winds from the desert and mountains, and the spring and fall tidal extremes.

Although A and B stations were monitored only one week apart each month, there are differences in the shape of the temperature curves between the sea buoys, A1 and B1. Station D8 is also outside the breakwaters, but apparently D8 is influenced by the power plant discharges and its curves are quite different from A1 or B1. The Long Beach main channel station B3 is similar to B1, but the temperature changes at B3, B4 and B5 become less abrupt and the curves more rounded, as is typical of more sheltered harbor areas such as B6 and B7. Stations B8 and B9 in the outer harbor are also somewhat modified and the curves are less abrupt. Stations B9, B10 and B11 were added during 1974 to increase coverage of the outer harbor, so those stations show only a part of that year. They seem to be influenced somewhat by waters from the gyre between Fish Harbor and the Navy Mole (Soule and Oguri, 1973).

The D station thermal patterns differ considerably from B stations. All D stations peaked at 21° C or above, except for D7 and D8 in 1973, whereas none of the B stations did. In the Port of Long Beach, the high was 20.9° C in July, 1974 at B6, and it was 20.6° C in September, 1974 at B11, whereas the peak was 27.2° C at D9. Depth is not apparently the limiting factor, but circulation, or lack of it, may be.

Salinity

Salinities during the summer months show relatively small ranges, but the curves sometimes indicate that the highest salinities occur at about 12 meters depth, and lower salinities are found both above and below that general level. This trend can be seen in August, September and October in 1974 at B1, B9, B10, B11, and D1, D3, D4, D6, and D7.

Narrow ranges in salinities occurred in the summers at B1, B2, B3, B4 and B8-B11, and at D1, D5 and D8, while B5 and B6, D4, D6 and D7 were more variable. Station D2, at the mouth of the Los Angeles River, shows the greatest variation. Surprisingly, station B7 near the lift bridge in the inner harbor also had a very narrow range of salinities.

Certain salinity readings given in the data tables for May and June of 1974 have been deleted from the plots as pos-

sibly being due to malfunction of the salinity probe, although it is calibrated by the manufacturer regularly. The Los Angeles County Flood Control District does release impounded water upstream at times, but release of 400 acre-feet of water in June seems insufficient to lower salinities in a large area significantly. No other large source of freshwater input in the summer could be identified.

The normal seasonal rainfall for central Los Angeles is about 12 inches, most of which falls between November and March. In 1972-1973 the season totalled more than 21 inches of rain, most of which fell between January and April of 1973. In 1973-1974 the total was about 16 inches, with more than 10 inches falling in January 1974 alone. Harbor waters showed the effects of the runoff, especially in the spring of 1973, when a considerable salinity gradient persisted for several months.

The average salinity value for all ocean waters is 34.7%, with a range of 33.0 to 37.0. The Pacific Ocean in local latitudes averages 34.24 (Gerard, 1966). Extremes in salinity occur in the coastal regions rather than open ocean, although water masses differ in salinity. The extremes measured in Long Beach Harbor waters during 1973 and 1974 ranged from a low of 27.5% at the mouth of the Los Angeles River, D2, in February, 1974 to a high of 35.05% near the bottom of the Long Beach Main Channel at B5 in January of 1973. In Los Angeles West Basin, salinities of 35 to 36.8% were recorded in the fall of 1971, the summer of 1972, and in January, 1973 in bottom waters. They then reduced and remained in the 33% range the remainder of 1973. Salinities were also in the 35-36% in 1971 and 1972 at A7, near the outfalls in outer Los Angeles Harbor, until February, 1973, when salinities dropped to the 31.5-33.9% range in 1973. It would appear that a significant shift in lowered salinity occurred in 1973 from the 1971 and 1972 levels.

Dissolved Oxygen

Although the saturation point of oxygen in seawater is usually given as 9 ppm, harbor and inshore waters often exceed this figure, due to phytoplankton blooms. The occurrence of local spring and fall phytoplankton blooms has been documented (Oguri et al., 1975; Oguri, 1974; Soule and Oguri, 1973; Brongersma-Sanders, 1957). At B1, outside the breakwater at Queens Gate, a single peak of 11.5 ppm is seen in April, 1973. In 1974, minor peaks occurred in April and June, while major peaks of 12 and 11.9 ppm occurred in September and November respectively. It is curious to note that the highest oxygens may be located at the surface, or they may occur below the sur-

face, thus suggesting the location of the particular phytoplankton bloom.

Incidences of dissolved oxygen readings above 9 ppm occurred throughout the B and D stations in all months except November and December, 1973. Readings above 13 ppm occurred at B6 in July, 1974, and at B8 in May, 1973; D stations showed similar readings at D1 and D7 in April, 1973, with other stations only slightly below 13 ppm at that time. At A3, 14.2 ppm occurred in April, 1972, when 13.8 occurred at A6 in Fish Harbor. A 14.6 reading had occurred in September 1971 at A6 as well. A high of 16 ppm has been recorded in 1975 near D2.

Episodes of supersaturated surface oxygen during phytoplankton blooms may well give the impression of enhanced water quality, but subsurface waters are quite likely to have very low DO readings when surface readings are very high. The lack of DO stresses fish and zooplankton in the water column, as well as the organisms in the benthos (bottom) that are so important to the food chain. Surface DO's generally decline precipitously following high peaks, perhaps due to the oxygen demand imposed by die-off of the bloom, or to exhaustion of nutrients at the immediate site, or to build-up of metabolic wastes, or a combination of these factors. Harbor waters are not ordinarily nutrient limited. It has been suggested, however, that phytoplankton blooms occur because "wind cells" form and confine to small areas water and phytoplankton populations that might otherwise be dispersed by tides and circulation. Thus small areas could become overpopulated by phytoplankton and be nutrient poor. (see Table 1 for high oxygen data.)

Hydrogen Ion Concentration (pH)

The pH of surface sea waters usually ranges from 7.8 to 8.3 and is affected by temperature and salinity, by photosynthesis and respiration, and by the carbonate buffer and gas exchange (Hood, 1966). Values as high as 9 have been recorded in estuaries. However, problems with pH electrode stability are recurrent, and for this reason a number of values have been omitted from data tables and plots.

The range of values reported for station B1 is 7.32 to 8.66. Lows between 6.9 and 7.0 have been reported at B3, B4 and B6 in the Port of Long Beach. Peaks in pH sometimes coincide with peaks in dissolved oxygen, but in other instances they do not. The latter case can be seen at D stations in the fall of 1973. No doubt the various factors presented above affect this.

It is probable that the relationship of high pH and high

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	J	F	M	A	M	J	J	A	S	O	N	D	1973	1974	J	F	M	A	M	J	J	A	S	O	N	D
B1			X	X																						
B2			X	X																						
B3			X	X																						
B4			X	X																						
B5			X	X																						
B6			X	X																						
B7			X	X																						
B8			X	X	X				X	X																
B9																										
B10																										
B11																										
D1			X	X	X	X	X	X																		
D2			X	X																						
D3			X	X	X	X	X	X																		
D4			X	X	X	X	X	X																		
D5			X	X	X	X	X	X																		
D6			X	X	X	X	X	X																		
D7			X	X	X	X	X	X																		
D8			X	X	X	X	X	X																		

X = DO above 9 ppm. ? = projected readings.

Table 1. Bloom (Excess Oxygen) Conditions in the Port of Long Beach and Harbor Waters.

oxygen is valid when oxygens are at or near the normal range of values, but is not valid when supersaturated oxygen and bloom conditions occur. More probably, low oxygens would be associated with low pH's.

Correlations and Grouping of Stations

In a study for the U.S. Army Corps of Engineers (AHF 1975) analyses of biotic and abiotic parameters were carried out for the entire harbor area. Monthly measurements such as are presented in the present publication of DO, pH, percent light transmittance, salinity, temperature, nutrients and ammonia were used to calculate mean values for abiotic characterization of each station. Standard deviation was used as a measure of variability and oxygen and pH minima were included. "Percent light transmittance" is listed in the present data tables as "Turbidity."

Utilizing Euclidean distance measures on the centered and standardized data, the abiotic variables were classified and grouped. Stations were similarly grouped, based on their Euclidean distance from one another; that is, on their affinities as shown by the statistical treatment of the data. A two-way table from this report is reproduced here as Table 2, showing the grouping of the stations and the parameters used in classifying the surface waters. (Table 3,4; Figure 2)

Group I, consisting of stations A8, B2, B5 and B7 show moderate levels of the parameters considered. Groups II, III and IV encompass most of the outer harbor stations. Group II includes stations A1, B1, B3, B4, and B8-B11, in outer Long Beach Harbor and at the sea buoys of both harbors. Group III stations D1, and D4-D8, are all in the area to the east of Pier J. Group IV stations A2-A6 and A9-A12 are in outer Los Angeles Harbor. Group II showed the highest range of variation in BOD and temperature. Groups II and III had higher DO, higher pH, less variable salinity, and clearer water than Group IV.

Group V, station C1 through C11, comprises all the stations in Inner Los Angeles Harbor. These stations showed low DO and pH values and high values for the nutrients nitrite, ammonia and phosphate (NO_2 , NH_3 , and PO_4). Temperatures were higher and more variable and salinities were less variable in Group V than for Group IV stations.

Group VI stations A7, D2, D3 and D9 are all located near freshwater discharges. Turbidity and nutrients were generally higher than in other groups. Stations A7, D2 and D3 had very high BOD values, and A7 and D2, the closest stations to the freshwater sources, showed low and variable salinities.

ABIOTIC DATA		STATION GROUPS							VI
		I	II	III	IV	V	VI	VI	
Mean DO	I	+	+	*	*	-	-	-	-
Minimum DO	I	-	-	+	*	*	*	-	-
Mean pH	II	-	+	+	+	*	*	-	-
Minimum pH	II	+	+	+	+	*	*	-	-
% Transmiss.	-	+	+	+	+	*	*	-	-
Ammonia	II	+	+	-	-	*	*	-	-
Phosphate	-	-	-	-	-	*	*	-	-
Nitrite	+	+	-	-	-	*	*	-	-
Mean Salinity	+	+	+	+	+	-	-	-	-
SD Salinity	-	-	-	-	-	*	*	-	-
Nitrate	II	+	-	-	-	*	*	-	-
BOD	IV	-	-	+	+	*	*	-	-
Mean Temp.	V	-	-	-	-	*	*	-	-
SD Temp.	-	-	-	-	-	*	*	-	-

Report to the U.S. Army Corps of Engineers. 1975. Allan Hancock Foundation

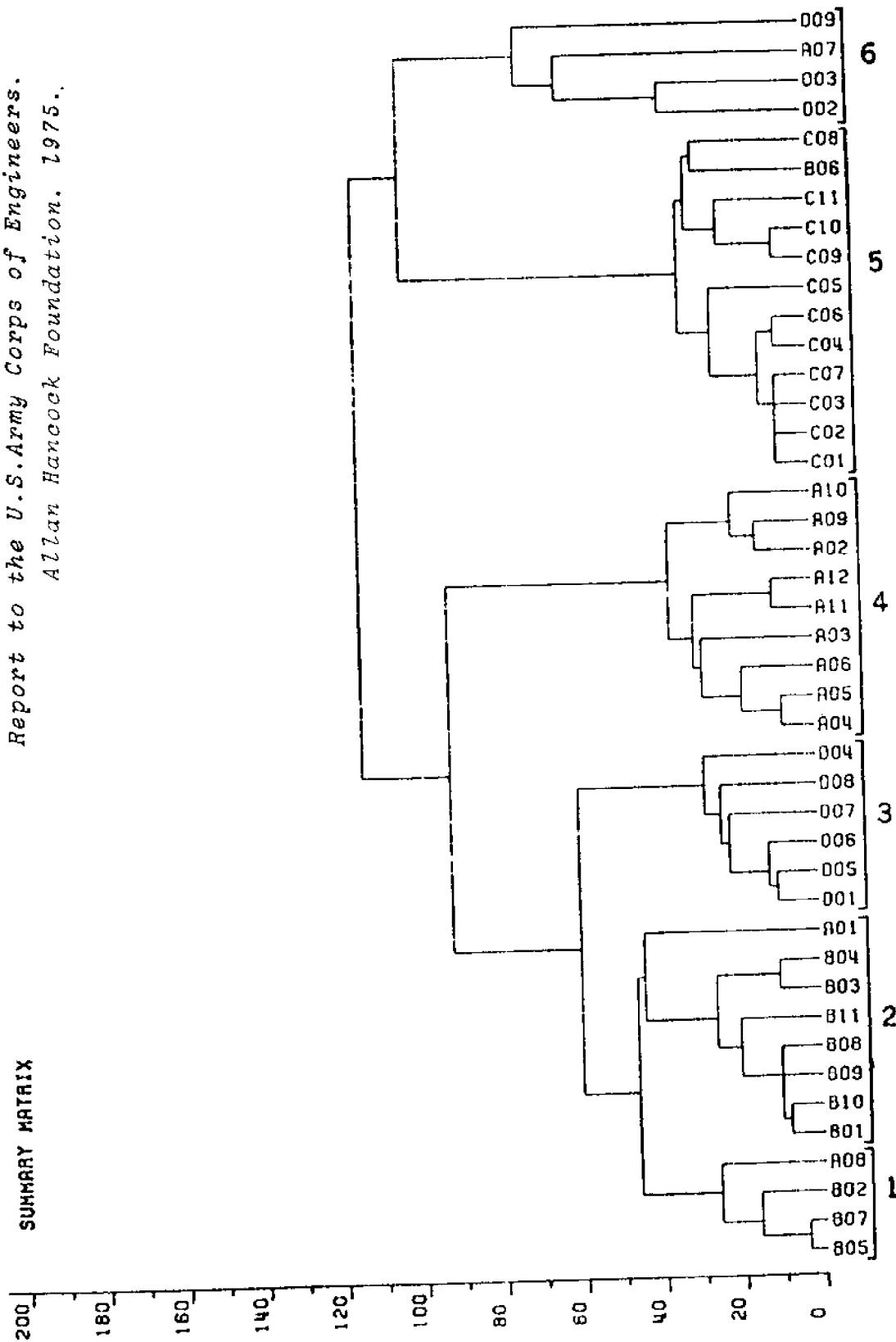
TWO-WAY TABLE FROM THE CLASSIFICATION OF THE SURFACE ABIOTIC DATA

Table 2

No symbol indicates + 0.5 standard deviations from mean,
+ or - indicates 0.5 to 1.5 standard deviations from mean
and * or = indicates greater than 1.5 standard deviations from mean.

SUMMARY MATRIX

*Report to the U.S. Army Corps of Engineers.
Allan Hancock Foundation. 1975.*

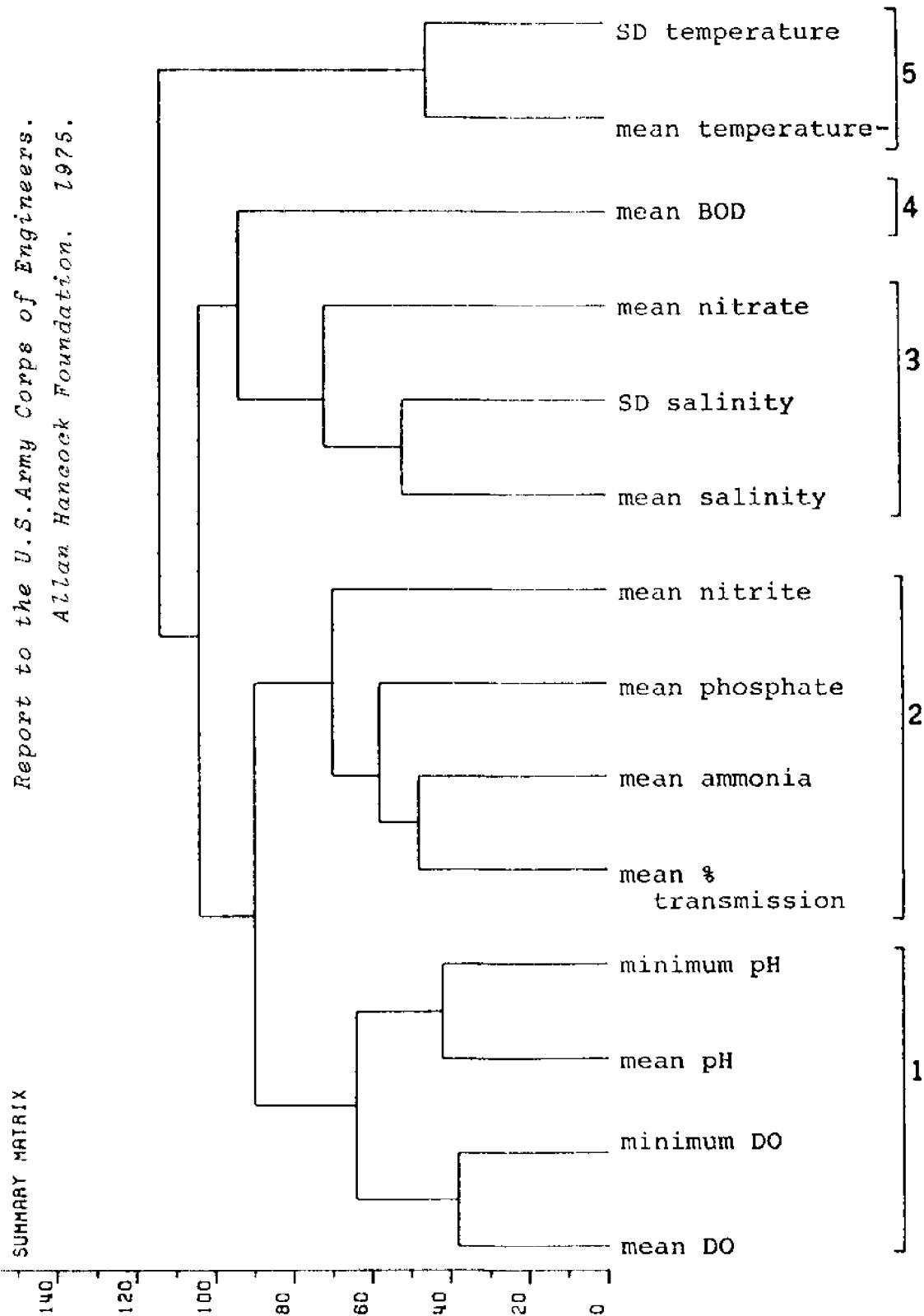


CLASSIFICATION OF STATIONS BASED ON THE SURFACE ABIOTIC PARAMETERS

Table 3

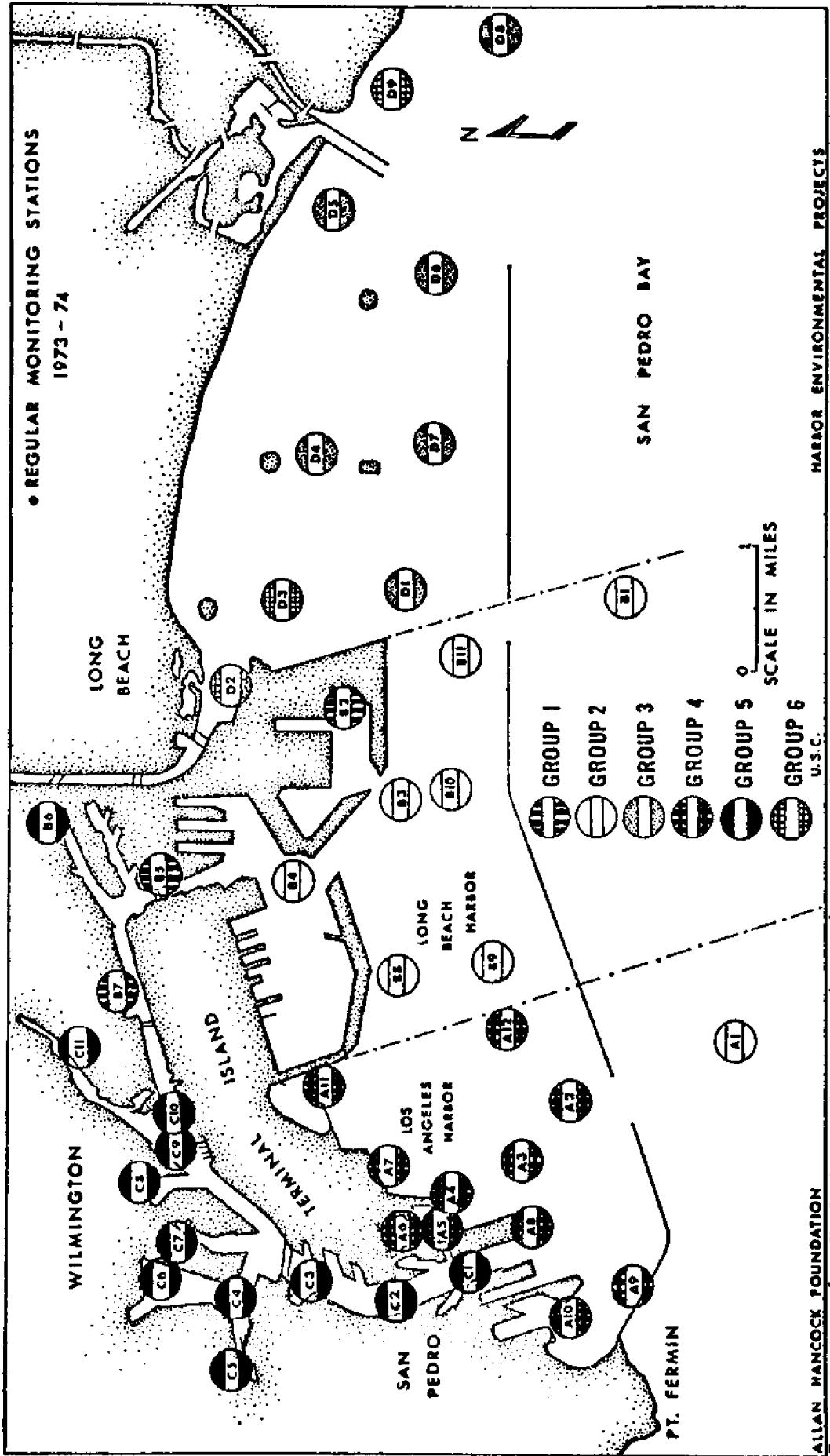
SUMMARY MATRIX

*Report to the U.S. Army Corps of Engineers.
Allan Hancock Foundation, 1975.*



CLASSIFICATION OF THE
SURFACE ABIOTIC VARIABLES

Table 4



Report to the U.S. Army Corps of Engineers. 1975.
STATION GROUPS CLASSIFIED ON THE BASIS OF ABIOTIC SURFACE DATA

Analysis of bottom data was heavily weighted for variables related to the depositional environment, in contrast to the surface data discussion above. These variables included available sources of fine sediment, weak currents suitable for accumulation, sources of pollutants such as organics, heavy metals and pesticides.

The two-way tables (Table 5) shows the influence of these variables in Group V, which includes stations in dead-end slips, and Group VI stations , near the Los Angeles River mouth. Group I and II stations are in areas of relatively strong currents and relatively clean coarser sediments. Group IV stations include those in the outer Los Angeles Harbor, Fish Harbor and the Los Angeles Main Channel (see Figure 3). Table 6 shows the groups by station while Table 7 shows the groupings of the variables considered in the classification.

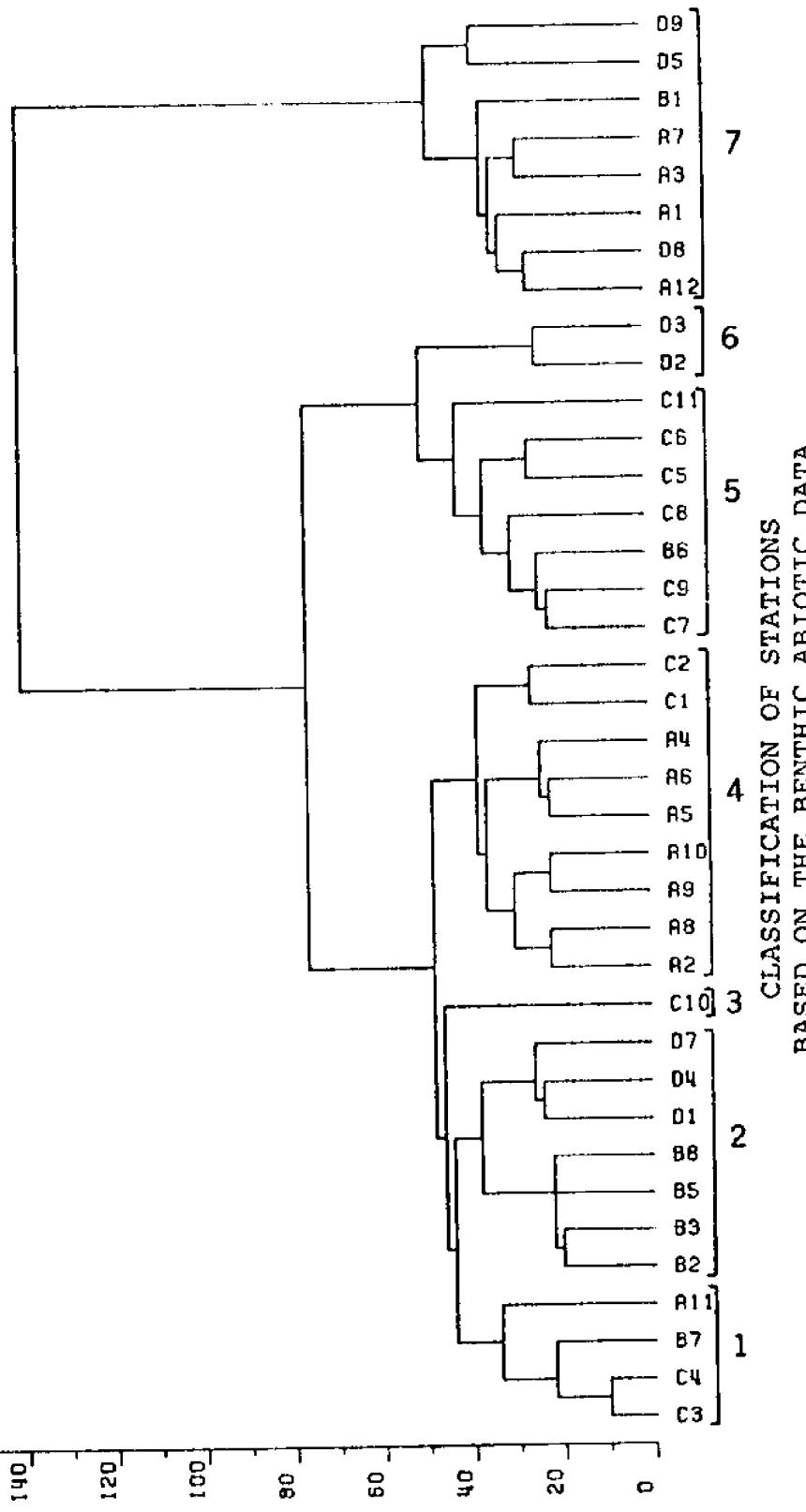
ABIOTIC DATA		STATION GROUPS						
	I	II	III	IV	V	VI	VII	
IOD	- -	-	-	-	-	-	-	-
COD	-	-	-	-	-	-	-	-
Zn	-	-	-	-	-	-	-	-
Cd	-	-	-	-	-	-	-	-
Pb	I	-	-	-	-	-	-	-
Sulfide	-	-	+	-	-	-	-	-
Oil & Grease	-	-	+	+	-	-	-	-
Org. N	-	-	+	+	-	-	-	-
Ni	-	-	+	-	-	-	-	-
Cr	-	-	-	-	-	-	-	-
Total DDT	-	-	-	-	-	-	-	-
Total PCB	-	-	-	-	-	-	-	-
Org. C	II	-	-	-	-	-	-	-
Cu	-	-	-	-	-	-	-	-
Hg	+	-	-	-	-	-	-	-
As	-	-	+	-	-	-	-	-
Mean Oxygen	+	+	-	-	-	-	-	-
Oxygen Min.	+	+	-	-	-	-	-	-
Mean Sed. III	-	-	+	-	-	-	-	-
Size (\varnothing)	-	-	+	+	-	-	-	-
Mean pH	+	+	+	-	-	-	-	-
pH Min.	IV	-	+	+	-	-	-	-
Mean & Trans.	-	-	+	-	-	-	-	-
Mean Temp.	+	+	-	-	-	-	-	-
Fe	-	-	*	*	*	-	-	-
Mean Sal. V	+	*	+	+	-	-	-	-
Phosphorus	-	-	-	-	*	-	-	-
SD Salinity	*	-	-	-	+	-	-	-
SD Temp.	-	*	-	-	*	-	-	-

Report to the U.S. Army Corps of Engineers, 1975. Allan Hancock Foundation
 TWO-WAY TABLE FROM THE CLASSIFICATION
 OF THE BENTHIC ABIOTIC DATA

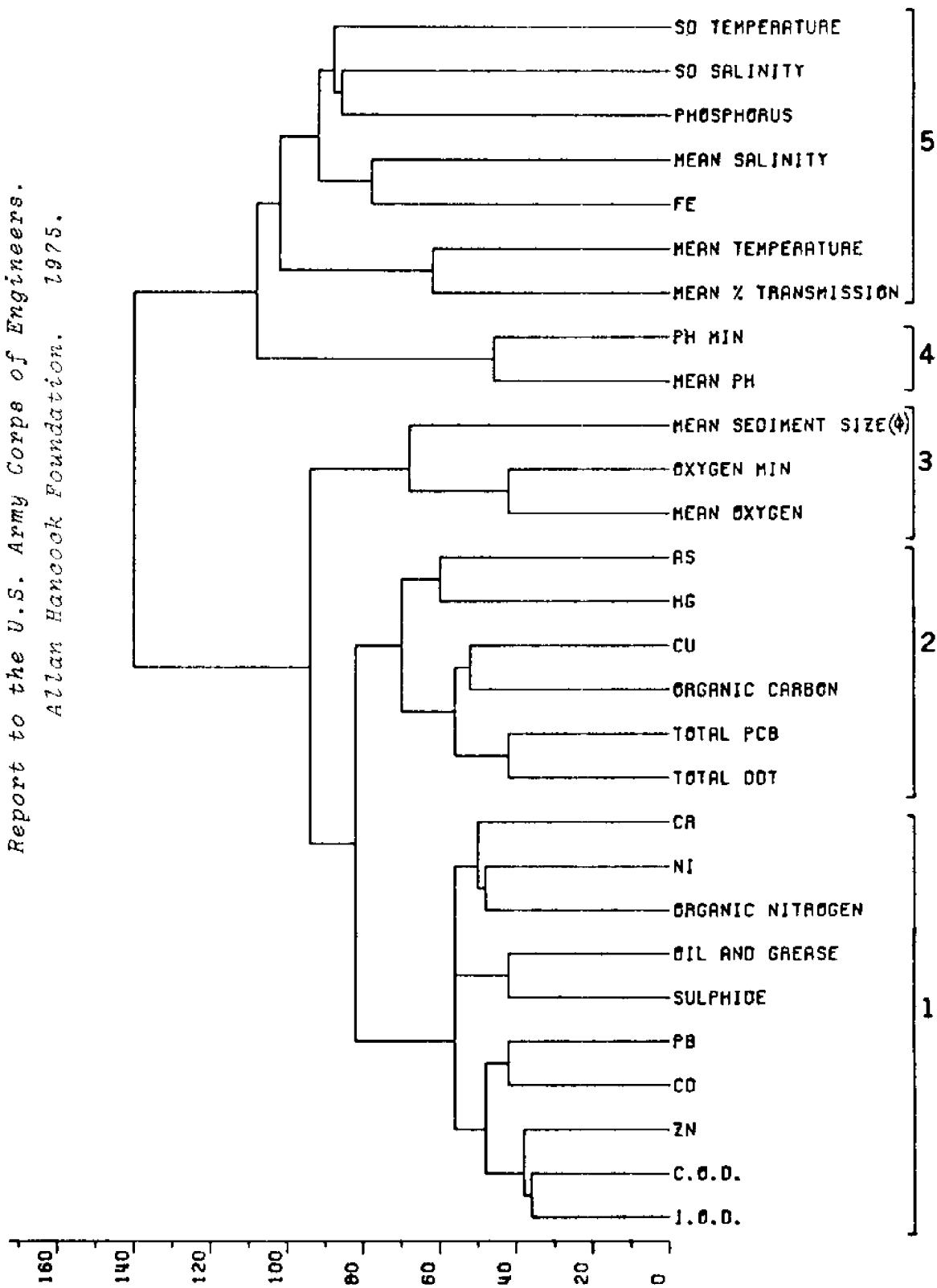
Table 5

*Report to the U.S. Army Corps of Engineers.
Allan Hancock Foundation. 1975.*

200
180
160
140
120
100
80
60
40
20
0

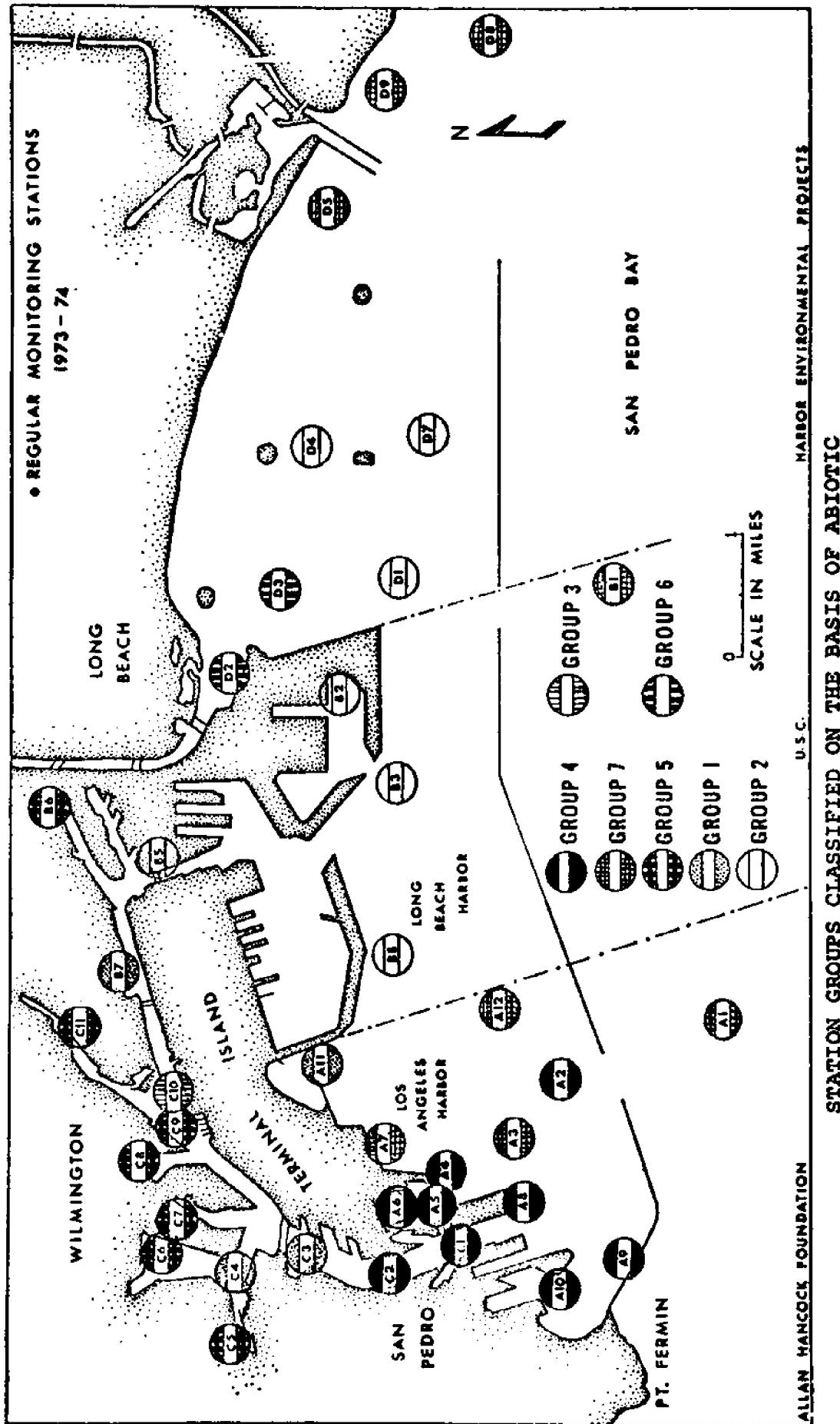


CLASSIFICATION OF STATIONS
BASED ON THE BENTHIC ABIOTIC DATA



CLASSIFICATION OF THE BENTHIC ABIOTIC DATA

Table 7



STATION GROUPS CLASSIFIED ON THE BASIS OF ABIOTIC BENTHIC DATA

Figure 3
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 1975.

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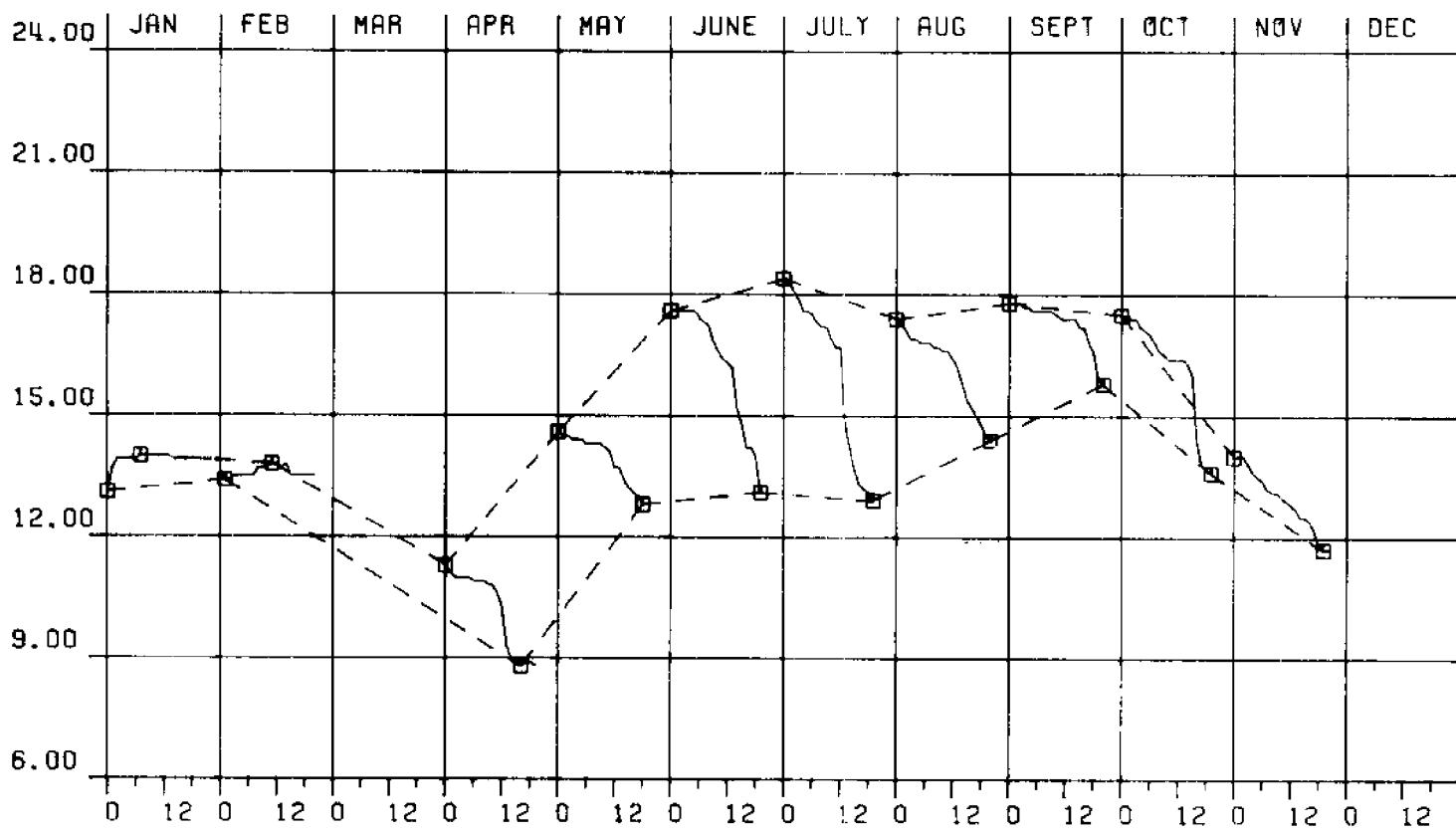
____ and _____. 1974. Abundance of pelagic fish during the 19th and 20th centuries as recorded in anaerobic sediment off the Californias. Fish. Bull., U.S. 72(2):257-273.

PHYSICAL DATA PLOTS AND TABLES

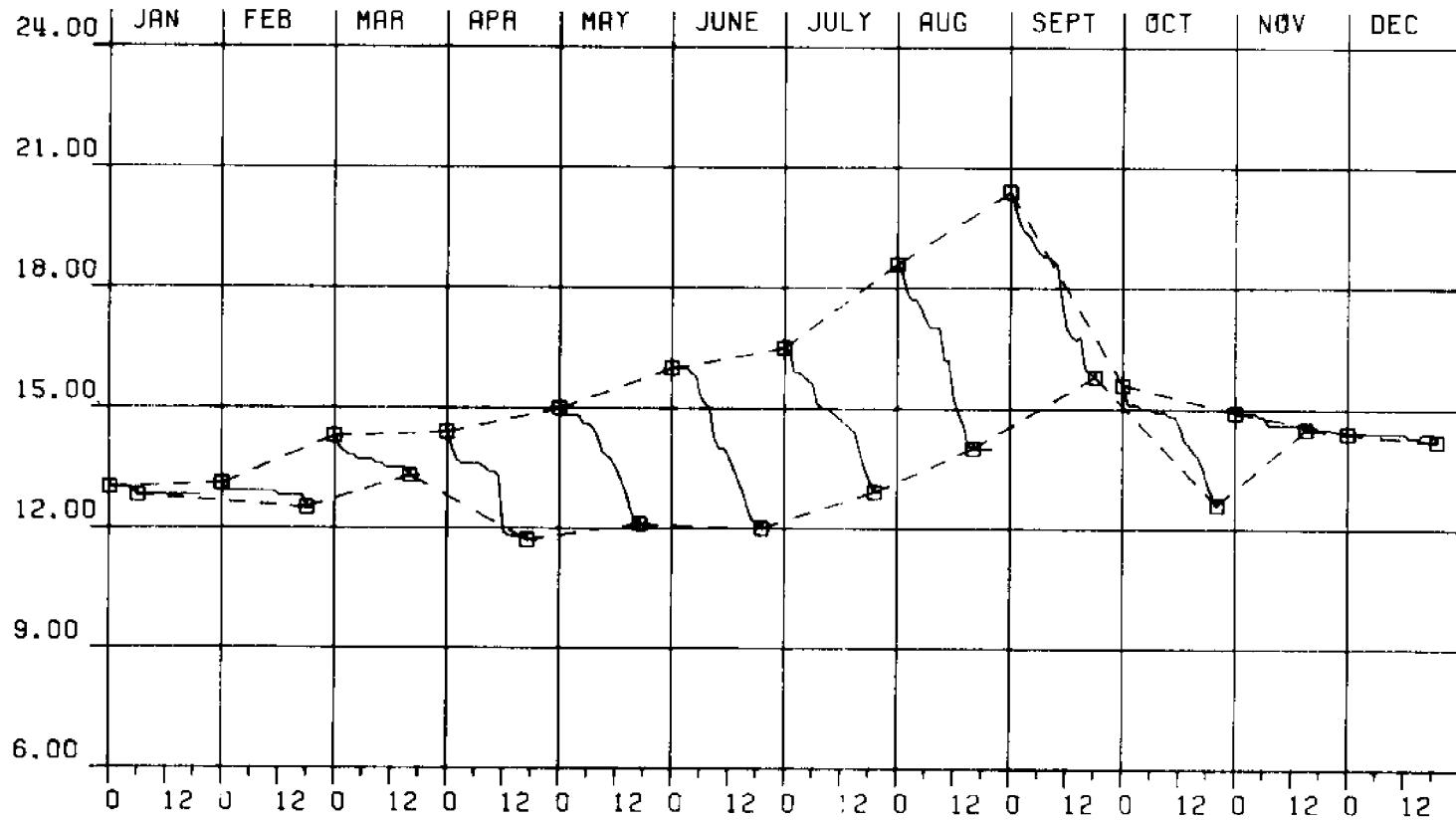
The plots generated from the data tables maintained in computer files by Harbor Environmental Projects at the University Computer Center, using the IBM 370/158.

Minima and maxima are indicated by small squares and are plotted by connecting monthly readings with dotted lines. Each monthly sector of the chart has an interval depth scale in meters at the bottom, and solid line plots within the sectors show how the parameters vary with depth. The squares for minima and maxima may occur at points other than the top or bottom of the solid lines, indicating the variations in patterns.

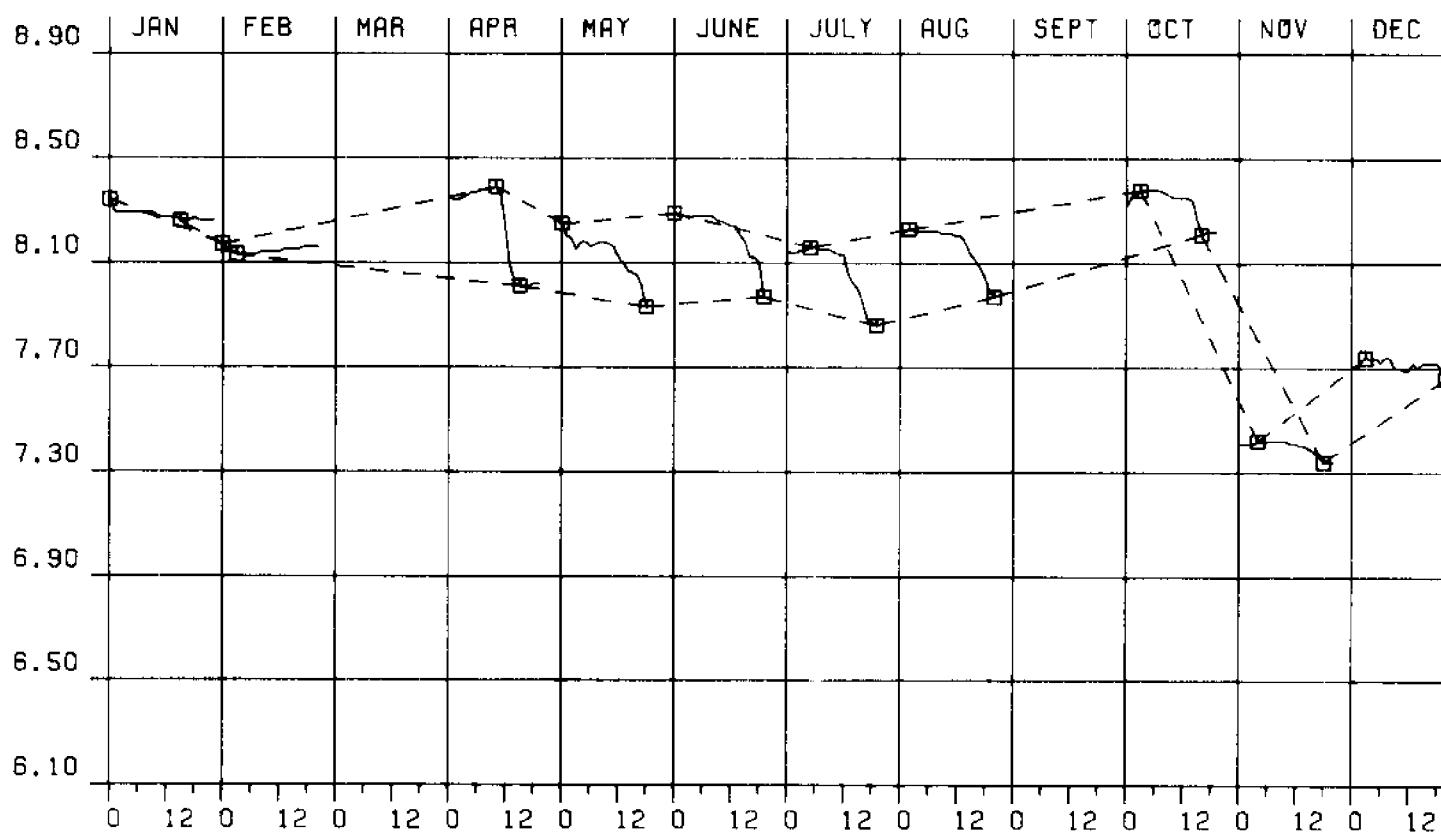
B1 LONG BEACH SEA BUOY "LB"
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



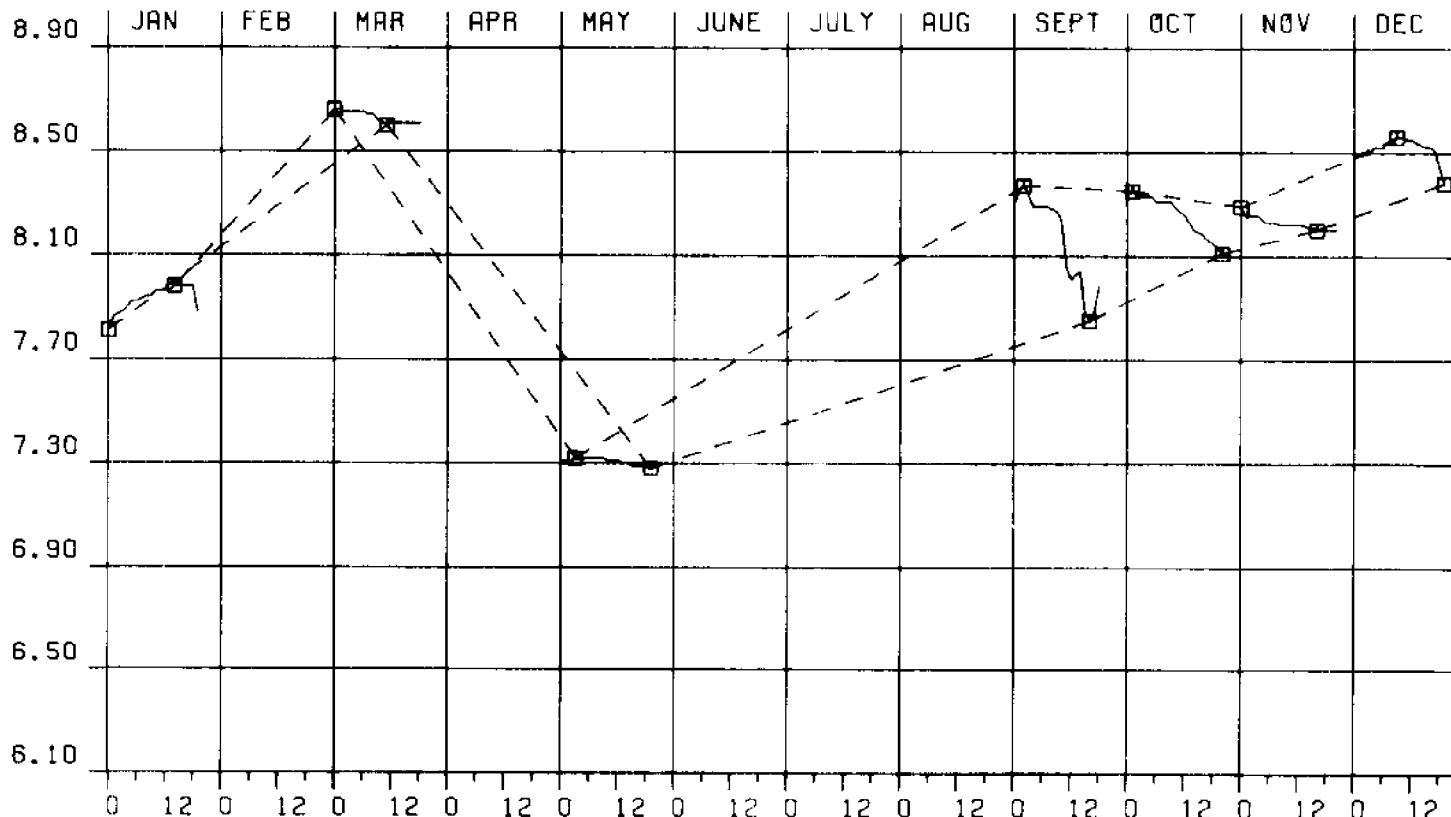
B1 LONG BEACH SEA BUOY "LB"
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



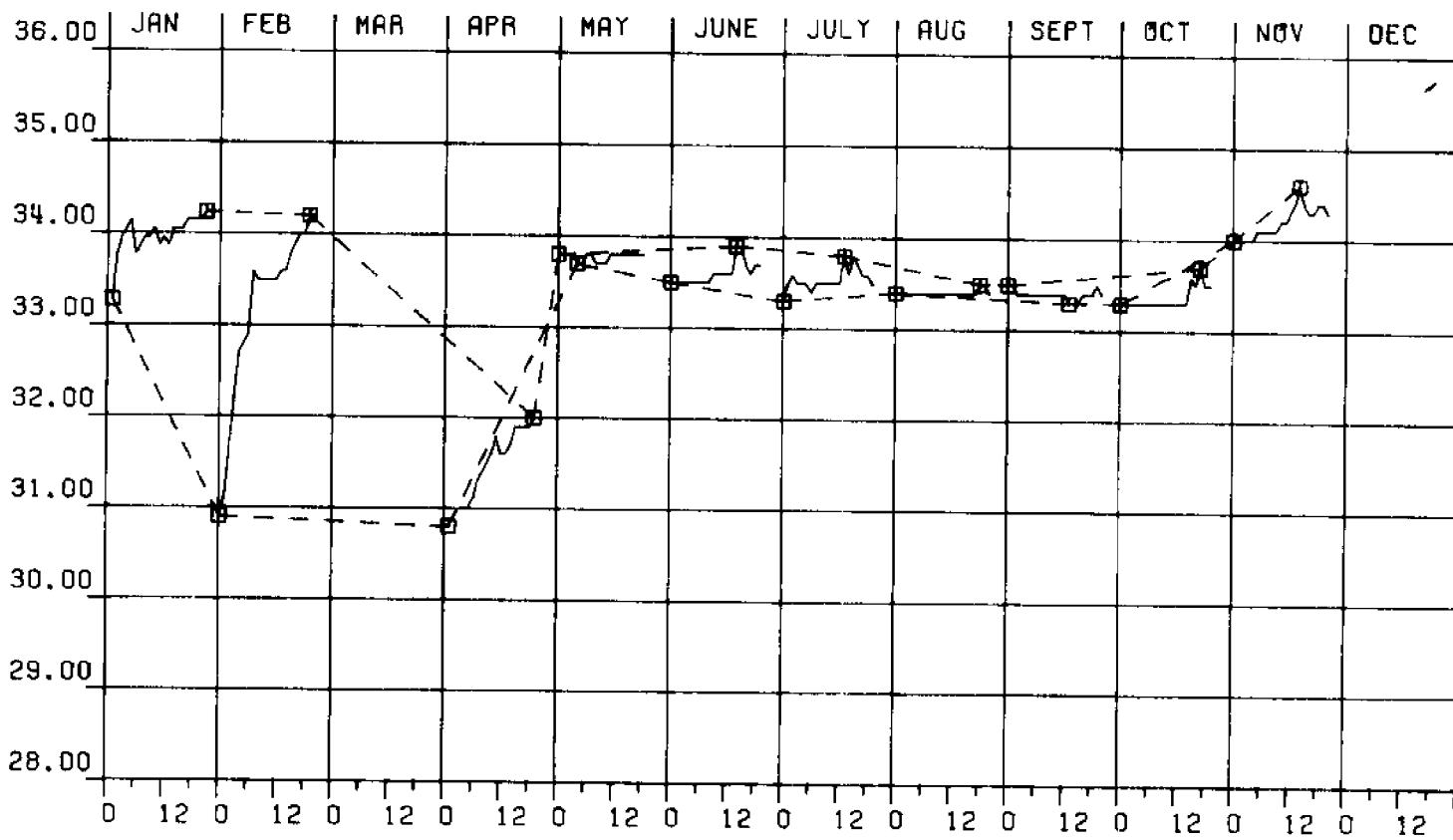
B1 LONG BEACH SEA BUOY "LB"
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



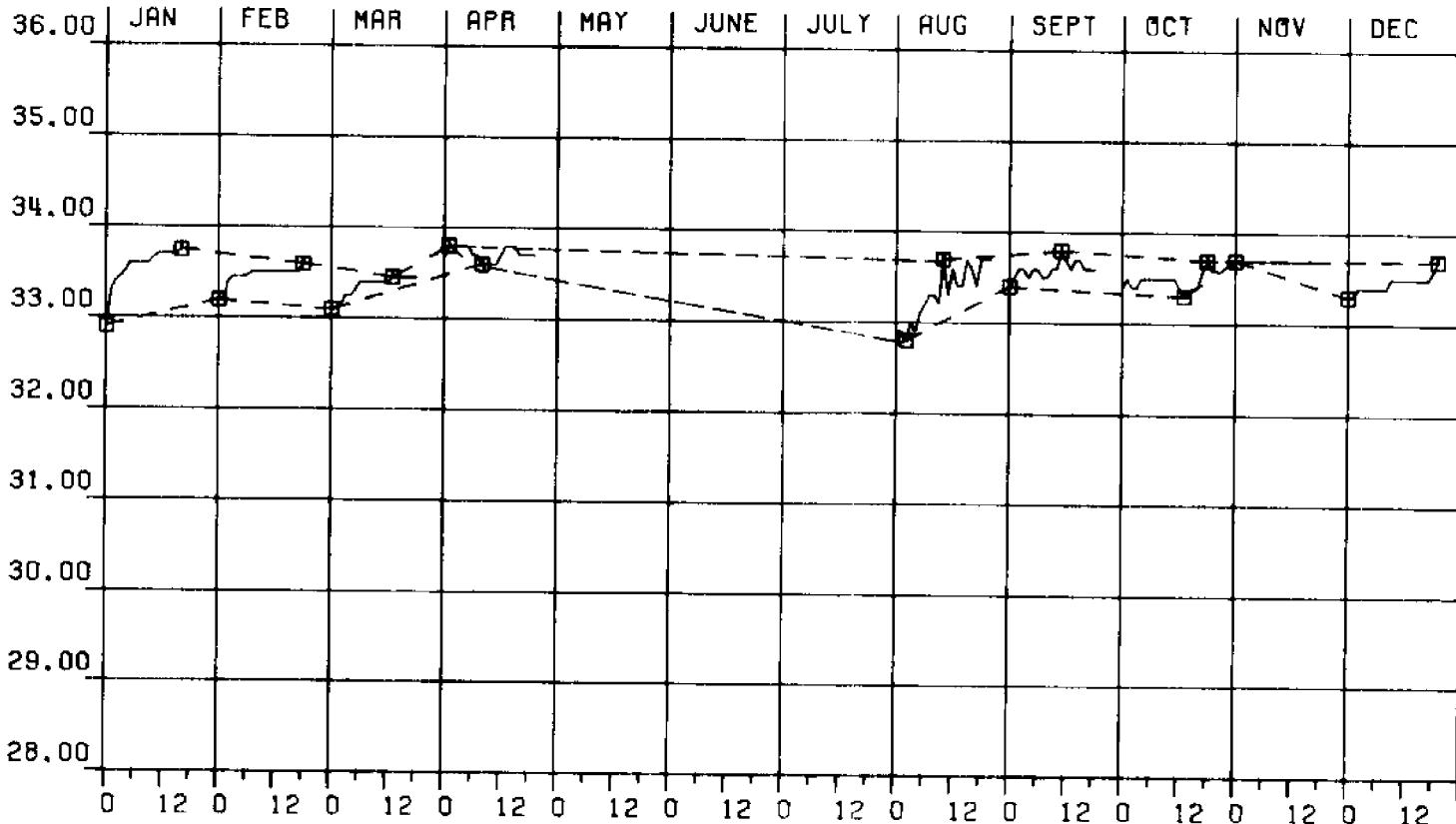
B1 LONG BEACH SEA BUOY "LB"
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



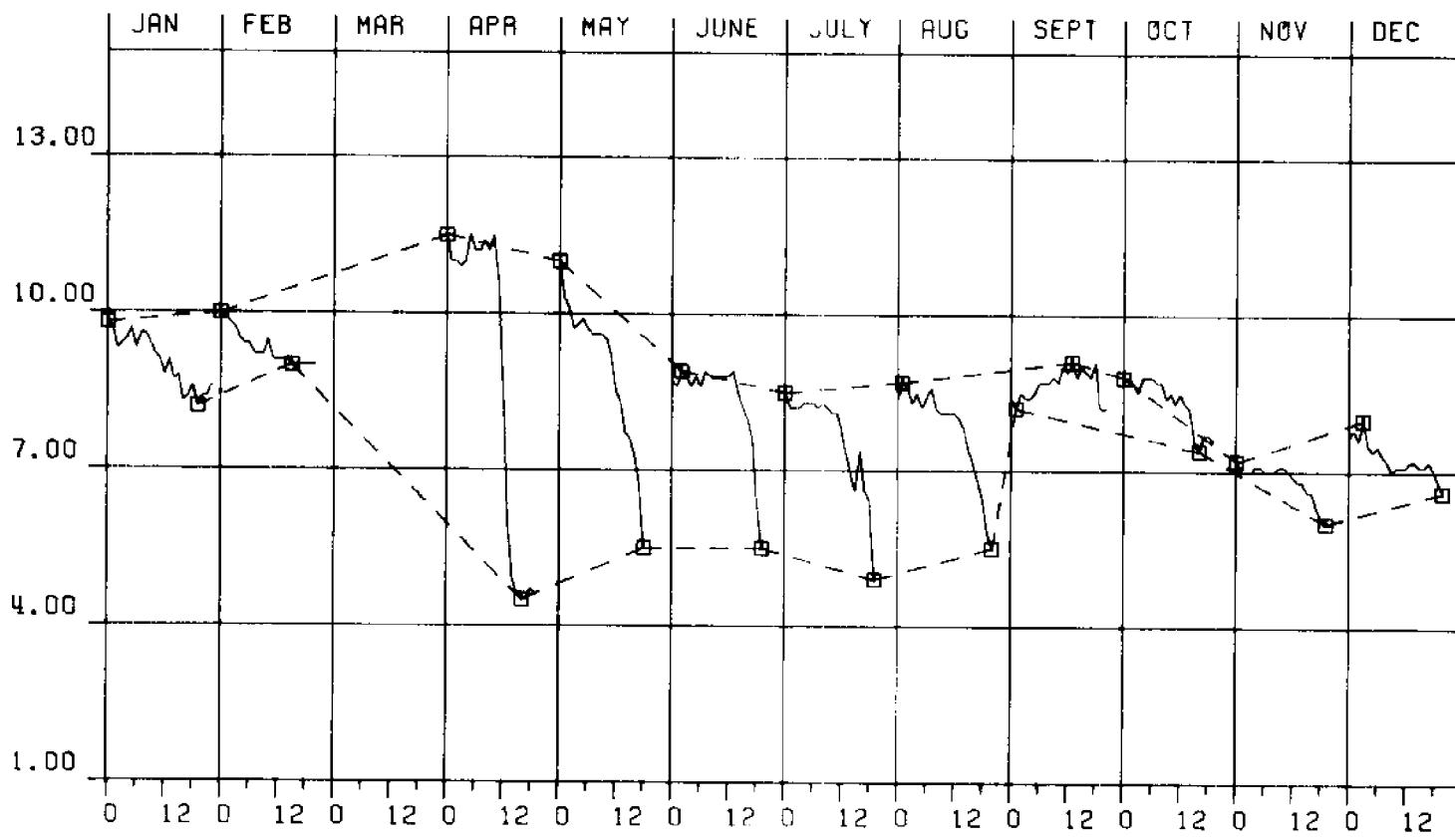
B1 LONG BEACH SEA BUOY "LB"
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



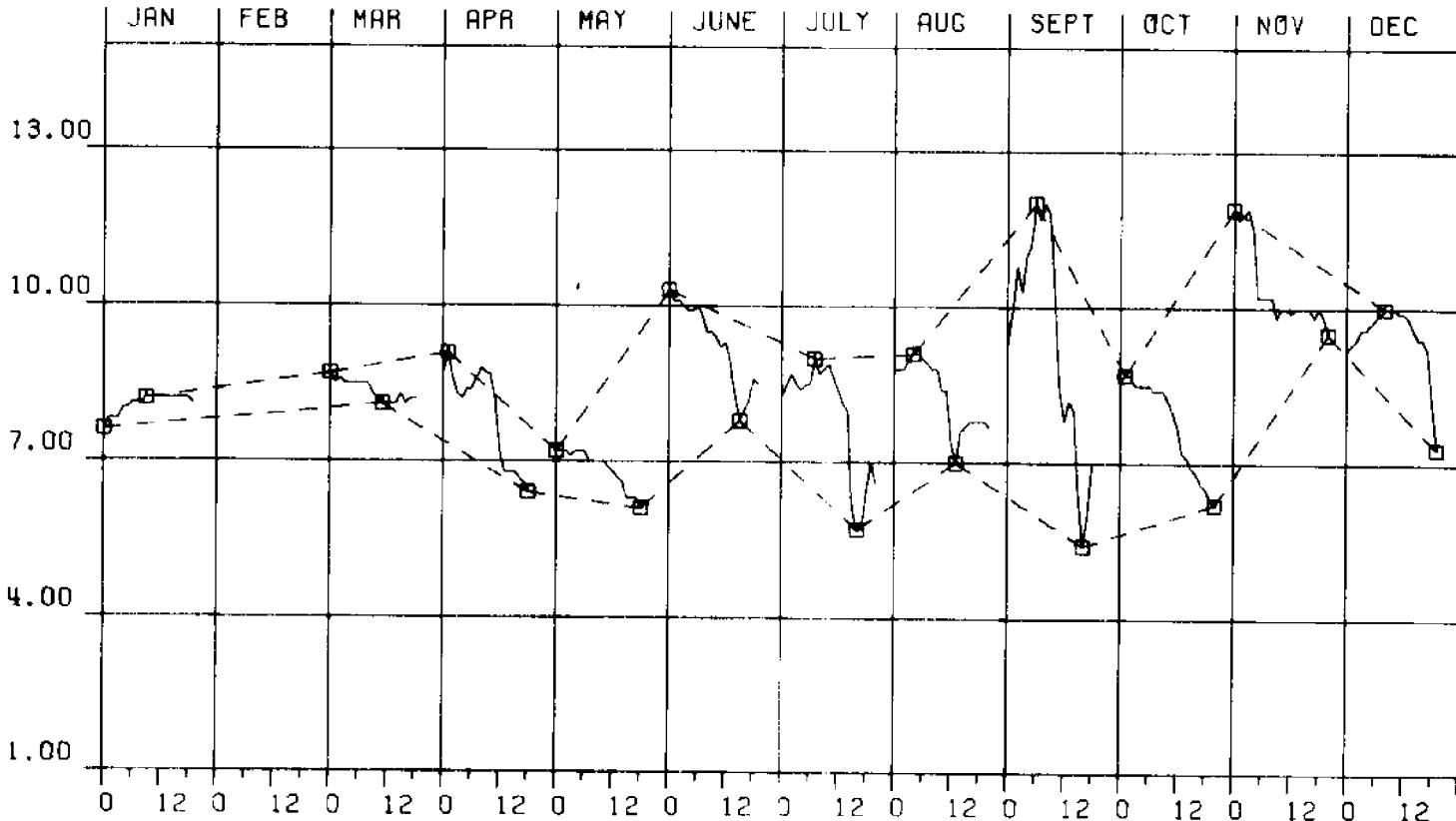
B1 LONG BEACH SEA BUOY "LB"
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



B1 LONG BEACH SEA BUOY "LB"
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



B1 LONG BEACH SEA BUOY "LB"
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



DATE: JANUARY 1973
STATION: B1 LONG BEACH SEA BUOY "LB"

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY E	O.D. 0.02 PPM	PH	TURBIDITY %
00	0.0	13.10	35.86	-1.00	8.80	8.34
01	3.28	13.70	36.66	33.28	9.70	8.29
02	6.56	13.90	37.02	33.77	9.30	8.29
03	9.84	13.90	37.02	33.96	9.40	8.29
04	13.12	13.90	37.02	34.05	9.50	8.29
05	16.40	13.90	37.02	34.15	9.70	8.29
06	19.68	13.90	37.02	33.77	9.30	8.29
07	22.96	14.00	37.20	33.87	9.60	8.29
08	26.24	14.00	37.20	33.96	9.60	8.29
09	29.52	14.00	37.20	33.96	9.40	8.29
10	32.80	14.00	37.20	34.06	9.20	8.28
11	36.08	14.00	37.20	33.87	9.10	8.27
12	39.36	14.00	37.20	33.96	9.80	8.27
13	42.64	14.00	37.20	33.87	9.10	8.27
14	45.92	13.90	37.02	34.05	8.70	8.27
15	49.20	13.90	37.02	34.05	8.80	8.26
16	52.48	13.90	37.02	34.05	8.30	8.26
17	55.76	13.90	37.02	34.15	8.60	8.26
18	59.04	13.90	37.02	34.15	8.60	8.27
19	62.32	13.90	37.02	34.15	8.20	8.26
20	65.60	13.90	37.02	34.15	8.40	8.26
21	68.88	13.90	37.02	34.24	8.40	8.26
22	72.16	13.90	37.02	34.24	8.60	8.26

DATE: MARCH 1973
STATION: B2 LONG BEACH SEA BUOY "LB"

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY E	O.D. 0.02 PPM	PH	TURBIDITY %
00	0.0	12.00	33.60	32.30	8.80	8.19
01	3.28	12.00	33.60	32.50	8.90	8.19
02	6.56	12.00	33.60	32.50	8.70	8.17
03	9.84	11.90	33.42	32.60	8.60	8.17
04	13.12	11.80	33.24	32.50	8.30	8.14
05	16.40	11.60	32.88	32.80	8.20	8.14
06	19.68	11.60	32.88	32.80	8.10	8.14
07	22.96	11.50	32.70	32.90	8.00	8.13
08	26.24	11.50	32.70	33.00	8.00	8.12
09	29.52	11.50	32.70	33.00	7.90	8.12
10	32.80	11.30	32.34	33.10	7.80	8.12
11	36.08	11.10	31.98	33.40	7.80	8.11
12	39.36	11.00	31.80	33.40	7.80	8.10
13	42.64	11.00	31.80	33.30	7.70	8.10
14	45.92	11.00	31.80	33.30	7.70	8.10
15	49.20	11.00	31.80	33.30	7.70	8.09
16	52.48	11.00	31.80	33.30	7.60	8.09
17	55.76	11.00	31.80	33.30	7.60	8.09
18	59.04	11.00	31.80	33.30	7.60	8.09
19	62.32	11.00	31.80	33.30	7.60	8.10

DATE: FEBRUARY 1973
STATION: B1 LONG BEACH SEA BUOY "LB"

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY E	O.D. 0.02 PPM	PH	TURBIDITY %
00	0.0	13.50	36.30	30.90	10.00	8.17
01	3.28	13.40	36.12	31.10	9.90	8.14
02	6.56	13.40	36.12	31.00	9.80	8.14
03	9.84	13.50	36.30	32.20	9.70	8.13
04	13.12	13.50	36.30	32.70	9.50	8.13
05	16.40	13.50	36.30	32.80	9.40	8.13
06	19.68	13.50	36.30	32.90	9.40	8.13
07	22.96	13.50	36.30	33.60	9.20	8.13
08	26.24	13.70	36.66	33.50	9.20	8.14
09	29.52	13.70	36.66	33.50	9.20	8.14
10	32.80	13.70	36.66	33.50	9.10	8.14
11	36.08	13.80	36.84	33.50	9.10	8.14
12	39.36	13.80	36.84	33.50	9.10	8.14
13	42.64	13.70	36.66	33.60	9.10	8.15
14	45.92	13.80	36.84	33.60	9.10	8.15
15	49.20	13.50	36.30	33.80	9.00	8.15
16	52.48	13.50	36.30	33.90	9.00	8.15
17	55.76	13.50	36.30	34.00	9.00	8.16
18	59.04	13.50	36.30	34.00	9.00	8.16
19	62.32	13.50	36.30	34.20	9.00	8.16
20	65.60	13.50	36.30	34.20	9.00	8.16

DATE: APRIL 1973
STATION: B1 LONG BEACH SEA BUOY "LB"

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY E	O.D. 0.02 PPM	PH	TURBIDITY %
00	0.0	11.30	32.34	-1.00	11.50	8.35
01	3.28	11.10	32.98	30.80	11.60	8.34
02	6.56	11.00	31.80	30.90	11.00	8.34
03	9.84	11.00	31.80	31.00	10.90	8.35
04	13.12	11.00	31.80	31.00	11.00	8.36
05	16.40	11.00	31.80	31.00	11.50	8.37
06	19.68	10.90	31.62	31.10	11.20	8.37
07	22.96	10.90	31.62	31.30	11.20	8.38
08	26.24	10.90	31.62	31.40	11.40	8.38
09	29.52	10.80	31.44	31.50	11.20	8.38
10	32.80	10.80	31.44	31.50	11.50	8.39
11	36.08	10.60	31.06	31.80	10.70	8.36
12	39.36	10.40	30.94	31.80	8.60	8.24
13	42.64	9.30	48.74	31.60	8.10	8.09
14	45.92	9.00	48.20	31.70	8.90	8.02
15	49.20	8.90	48.02	31.90	8.00	8.01
16	52.48	8.80	47.84	31.90	8.50	8.01
17	55.76	8.90	48.02	31.90	8.50	8.01
18	59.04	8.90	48.02	31.90	8.70	8.02
19	62.32	8.80	47.84	32.00	8.60	8.02

MISSING DATA VALUE IS -1.0

MISSING DATA VALUE IS -1.0

DATE: MAY 1973
STATION: R1 LONG BEACH SEA BUOY "LB"

DEPTH METERS FEET		TEMPERATURE C F	SALINITY PPM	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	14.50	33.80	11.00	8.25	98.00
01	3.28	14.50	33.80	10.30	8.20	99.99
02	6.56	14.50	33.80	10.10	8.19	99.99
03	9.84	14.40	33.82	9.70	8.15	96.00
04	13.12	14.40	33.70	9.80	8.18	99.99
05	16.40	14.40	33.70	9.90	8.18	99.99
06	19.68	14.30	33.80	9.70	8.18	99.99
07	22.96	14.30	33.80	9.60	8.17	-1.00
08	26.24	14.30	33.70	9.60	8.18	-1.00
09	29.52	14.30	33.70	9.60	8.18	-1.00
10	32.80	14.20	33.70	9.50	8.17	-1.00
11	36.08	14.10	33.80	9.20	8.16	-1.00
12	39.36	13.70	33.80	8.50	8.12	-1.00
13	42.64	13.70	33.80	8.30	8.10	-1.00
14	45.92	13.40	33.80	7.70	8.07	-1.00
15	49.20	13.20	33.70	7.60	8.06	-1.00
16	52.48	13.10	33.80	7.30	8.05	-1.00
17	55.76	13.00	33.80	6.70	8.01	-1.00
18	59.04	12.80	33.80	5.50	7.93	-1.00

DATE: JULY 1973
STATION: R1 LONG BEACH SEA BUOY "LB"

DEPTH METERS FEET		TEMPERATURE C F	SALINITY PPM	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	18.50	33.12	33.30	8.50	8.14
01	3.28	18.30	34.94	33.50	8.20	8.14
02	6.56	18.10	34.58	33.60	8.20	8.14
03	9.84	17.90	34.22	33.50	8.20	8.15
04	13.12	17.60	33.68	33.50	8.30	8.15
05	16.40	17.00	33.68	33.50	8.30	8.16
06	19.68	17.50	33.50	33.40	8.30	8.16
07	22.96	17.30	33.14	33.50	8.20	8.15
08	26.24	17.20	32.96	33.50	8.30	8.15
09	29.52	17.20	32.96	33.50	8.20	8.15
10	32.80	16.90	32.42	33.50	8.10	8.14
11	36.08	16.70	32.06	33.50	8.10	8.13
12	39.36	16.70	32.06	33.50	7.80	8.13
13	42.64	14.80	30.64	33.80	7.30	8.05
14	45.92	14.20	30.56	33.60	6.90	8.02
15	49.20	13.70	30.66	33.80	6.60	8.00
16	52.48	13.30	30.94	33.70	7.40	7.95
17	55.76	13.20	30.76	33.60	6.60	7.88
18	59.04	13.10	30.58	33.60	6.40	7.87

DATE: JUNE 1973
STATION: R1 LONG BEACH SEA BUOY "LB"

DEPTH METERS FEET		TEMPERATURE C F	SALINITY PPM	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	17.60	33.60	33.50	8.70	8.29
01	3.28	17.60	33.66	33.50	8.60	8.28
02	6.56	17.60	33.66	33.50	8.90	8.28
03	9.84	17.60	33.66	33.50	8.60	8.27
04	13.12	17.60	33.66	33.50	8.60	8.28
05	16.40	17.60	33.68	33.50	8.60	8.28
06	19.68	17.40	33.32	33.50	8.60	8.28
07	22.96	17.30	33.14	33.50	8.90	8.28
08	26.24	17.20	32.96	33.50	8.80	8.28
09	29.52	16.80	32.24	33.60	8.80	8.26
10	32.80	16.60	31.88	33.60	8.80	8.26
11	36.08	16.40	31.52	33.60	8.80	8.25
12	39.36	16.30	31.34	33.60	8.80	8.24
13	42.64	16.20	31.16	33.60	8.90	8.24
14	45.92	15.20	30.36	33.90	8.50	8.18
15	49.20	14.80	30.64	33.90	8.20	8.18
16	52.48	14.20	30.66	33.70	8.12	8.00
17	55.76	14.20	30.56	33.60	7.60	8.12
18	59.04	14.00	30.20	33.70	6.40	8.10
19	62.32	13.10	30.56	33.70	5.50	7.97

DATE: AUGUST 1973
STATION: R1 LONG BEACH SEA BUOY "LB"

DEPTH METERS FEET		TEMPERATURE C F	SALINITY PPM	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	17.40	33.32	33.40	8.80	8.22
01	3.28	17.30	33.14	33.40	8.70	8.22
02	6.56	17.10	32.78	33.40	8.60	8.23
03	9.84	16.90	32.42	33.40	8.30	8.22
04	13.12	16.90	32.42	33.40	8.50	8.22
05	16.40	16.80	32.24	33.40	8.20	8.22
06	19.68	16.80	32.24	33.40	8.40	8.22
07	22.96	16.80	32.24	33.40	8.60	8.22
08	26.24	16.70	32.06	33.40	8.20	8.22
09	29.52	16.70	32.06	33.40	8.10	8.21
10	32.80	16.60	31.88	33.40	8.10	8.21
11	36.08	16.60	31.88	33.40	8.10	8.21
12	39.36	16.40	31.52	33.40	8.10	8.20
13	42.64	16.20	31.16	33.40	8.00	8.20
14	45.92	15.80	30.44	33.40	7.80	8.17
15	49.20	15.40	30.72	33.40	7.40	8.13
16	52.48	15.20	30.36	33.40	7.10	8.11
17	55.76	15.00	30.00	33.40	6.80	8.08
18	59.04	14.80	29.64	33.50	6.40	8.04
19	62.32	14.50	29.02	33.40	5.80	7.99
20	65.60	14.40	27.92	33.40	5.50	7.97

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS +1.00

DATE: SEPTEMBER 1973

STATION: B1 LONG BEACH SEA BUOY #LB#

DEPTH METERS FEET	TEMPERATURE °C °E	SALINITY ‰ ‰	D.O2 PPM mg/l	PH H.ION CONC N.M.	TURBIDITY %
00	0+0	17.80	33.50	8.40	-1.00
01	3.28	17.80	33.50	8.20	-1.00
02	6.56	17.80	33.40	8.50	-1.00
03	9.84	17.70	33.40	8.40	-1.00
04	13.12	17.70	33.40	8.40	-1.00
05	16.40	17.60	33.40	8.50	-1.00
06	19.68	17.60	33.40	8.70	-1.00
07	22.96	17.60	33.40	8.70	-1.00
08	26.24	17.60	33.40	8.70	-1.00
09	29.52	17.60	33.40	8.80	-1.00
10	32.80	17.50	33.40	8.70	-1.00
11	36.08	17.40	33.40	9.00	-1.00
12	39.36	17.40	33.40	8.90	-1.00
13	42.64	17.40	33.40	9.10	-1.00
14	45.92	17.40	33.40	8.80	-1.00
15	49.20	17.20	32.96	9.00	-1.00
16	52.48	17.20	32.96	8.90	-1.00
17	55.76	15.80	32.24	8.80	-1.00
18	59.04	15.60	31.88	9.10	-1.00
19	62.32	15.90	30.62	8.20	-1.00
20	65.60	15.80	30.44	8.20	-1.00

DATE: NOVEMBER 1973

STATION: B1 LONG BEACH SEA BUOY #LB#

DEPTH METERS FEET	TEMPERATURE °C °E	SALINITY ‰ ‰	D.O2 PPM mg/l	PH H.ION CONC N.M.	TURBIDITY %
00	0+0	14.00	32.20	34.00	7.20
01	3.28	14.00	32.20	34.00	7.00
02	6.56	14.00	32.20	34.00	7.00
03	9.84	13.80	32.84	34.00	7.00
04	13.12	13.60	32.48	34.00	7.10
05	16.40	13.50	32.30	34.10	7.10
06	19.68	13.40	32.12	34.10	7.00
07	22.96	13.20	32.06	34.10	7.00
08	26.24	13.10	32.08	34.10	7.00
09	29.52	13.10	32.08	34.10	7.10
10	32.80	13.00	32.40	34.20	7.10
11	36.08	12.90	32.22	34.20	7.00
12	39.36	12.80	32.04	34.30	6.90
13	42.64	12.70	31.86	34.40	6.80
14	45.92	12.50	31.60	34.60	6.80
15	49.20	12.50	31.50	34.60	6.80
16	52.48	12.40	31.32	34.30	6.60
17	55.76	12.40	31.26	34.30	6.30
18	59.04	11.60	31.24	34.40	6.10
19	62.32	11.70	31.06	34.40	6.00
20	65.60	11.70	31.06	34.30	6.00

DATE: OCTOBER 1973

STATION: B1 LONG BEACH SEA BUOY #LB#

DEPTH METERS FEET	TEMPERATURE °C °E	SALINITY ‰ ‰	D.O2 PPM mg/l	PH H.ION CONC N.M.	TURBIDITY %
00	0+0	17.50	33.50	8.80	8.32
01	3.28	17.50	33.50	8.80	8.35
02	6.56	17.40	33.32	8.70	8.36
03	9.84	17.40	33.32	8.50	8.38
04	13.12	17.20	33.30	8.80	8.38
05	16.40	17.10	33.30	8.80	8.38
06	19.68	17.00	33.30	8.80	8.38
07	22.96	16.80	32.24	8.70	8.38
08	26.24	16.60	31.88	8.70	8.37
09	29.52	16.50	31.70	8.60	8.36
10	32.80	16.40	31.52	8.50	8.35
11	36.08	16.40	31.52	8.30	8.35
12	39.36	16.40	31.52	8.50	8.35
13	42.64	16.40	31.52	8.30	8.35
14	45.92	16.30	31.34	8.20	8.34
15	49.20	16.00	30.80	7.60	8.27
16	52.48	14.40	57.92	7.40	8.21
17	55.76	13.60	56.04	7.70	8.22
18	59.04	13.70	56.66	7.70	8.22
19	62.32	13.60	56.48	7.60	8.22

DATE: DECEMBER, 1973

STATION: B1 LONG BEACH SEA BUOY #LB#

DEPTH METERS FEET	TEMPERATURE °C °E	SALINITY ‰ ‰	D.O2 PPM mg/l	PH H.ION CONC N.M.	TURBIDITY %
00	0+0	-1+00	-1+00	-1+00	7.70
01	3.28	-1+00	-1+00	-1+00	7.80
02	6.56	-1+00	-1+00	-1+00	7.60
03	9.84	-1+00	-1+00	-1+00	8.00
04	13.12	-1+00	-1+00	-1+00	7.73
05	16.40	-1+00	-1+00	-1+00	7.74
06	19.68	-1+00	-1+00	-1+00	7.72
07	22.96	-1+00	-1+00	-1+00	7.74
08	26.24	-1+00	-1+00	-1+00	7.74
09	29.52	-1+00	-1+00	-1+00	7.70
10	32.80	-1+00	-1+00	-1+00	7.70
11	36.08	-1+00	-1+00	-1+00	7.60
12	39.36	-1+00	-1+00	-1+00	7.60
13	42.64	-1+00	-1+00	-1+00	7.72
14	45.92	-1+00	-1+00	-1+00	7.70
15	49.20	-1+00	-1+00	-1+00	7.72
16	52.48	-1+00	-1+00	-1+00	7.72
17	55.76	-1+00	-1+00	-1+00	7.72
18	59.04	-1+00	-1+00	-1+00	7.72
19	62.32	-1+00	-1+00	-1+00	7.70
20	65.60	-1+00	-1+00	-1+00	7.66

MISSING DATA VALUE IS -1+0

MISSING DATA VALUE IS -1+0

DATE: JANUARY 1974

STATION: 81 LONG BEACH SEA BUOY PLBM

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O2 PPM	PH H+ION CONC	TURBIDITY %
00	0.0	13.00	55.40	33.90	7.60	7.81	90.00
01	3.28	13.00	55.40	33.90	7.80	7.96	89.50
02	6.56	13.00	55.40	33.40	7.80	7.87	89.50
03	9.84	13.00	55.40	33.45	7.80	7.88	90.00
04	13.12	13.00	55.40	33.50	8.00	7.90	90.00
05	16.40	12.90	55.22	33.60	8.00	7.92	90.50
06	19.68	12.80	55.04	33.60	8.10	7.92	92.00
07	22.96	12.80	55.04	31.60	8.10	7.93	92.00
08	26.24	12.80	55.04	33.60	8.10	7.94	92.50
09	29.52	12.80	55.04	31.60	8.20	7.94	92.50
10	32.80	12.80	55.04	33.65	8.20	7.95	93.00
11	36.08	12.80	55.04	33.70	8.20	7.96	93.00
12	39.36	12.80	55.04	33.70	8.20	7.96	93.00
13	42.64	12.80	55.04	33.70	8.20	7.96	93.00
14	45.92	12.80	55.04	33.70	8.20	7.96	93.00
15	49.20	12.80	55.04	33.70	8.20	7.98	93.00
16	52.48	12.80	55.04	33.75	8.20	7.98	93.00
17	55.76	12.80	55.04	33.75	8.20	7.98	92.50
18	59.04	12.80	55.04	33.75	8.20	7.98	92.00
19	62.32	12.80	55.04	33.75	8.10	7.88	92.00

DATE: MARCH 1974

STATION: 81 LONG BEACH SEA BUOY PLBM

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O2 PPM	PH H+ION CONC	TURBIDITY %
00	0.0	14.30	57.74	33.10	8.70	8.66	86.00
01	3.28	14.00	57.20	33.10	8.50	8.66	86.00
02	6.56	13.90	57.02	33.15	8.60	8.65	86.00
03	9.84	13.80	56.84	33.25	8.50	8.65	86.50
04	13.12	13.90	56.84	33.25	8.50	8.65	87.00
05	16.40	13.70	56.66	33.30	8.50	8.65	86.50
06	19.68	13.70	56.66	33.40	8.50	8.65	88.50
07	22.96	13.70	56.66	33.40	8.50	8.64	89.00
08	26.24	13.70	56.56	33.40	8.50	8.64	89.00
09	29.52	13.60	56.48	33.40	8.50	8.62	88.50
10	32.80	13.60	56.48	33.40	8.20	8.61	87.00
11	36.08	13.50	56.30	33.40	8.10	8.60	84.50
12	39.36	13.50	56.30	33.40	8.10	8.61	81.00
13	42.64	13.50	56.30	33.45	8.10	8.61	80.00
14	45.92	13.50	56.30	33.45	8.10	8.61	81.00
15	49.20	13.50	56.30	33.45	8.30	8.61	82.00
16	52.48	13.50	56.30	33.45	8.30	8.61	83.00
17	55.76	13.50	56.30	33.45	8.20	8.61	79.00
18	59.04	13.50	56.30	33.45	8.20	8.61	75.50

DATE: FEBRUARY 1974

STATION: 81 LONG BEACH SEA BUOY PLBM

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O2 PPM	PH H+ION CONC	TURBIDITY %
00	0.0	13.10	55.96	33.20	-1.00	-1.00	-1.00
01	3.28	12.90	55.22	33.20	-1.00	-1.00	-1.00
02	6.56	12.90	55.22	33.20	-1.00	-1.00	-1.00
03	9.84	12.90	55.22	33.45	-1.00	-1.00	-1.00
04	13.12	12.90	55.22	33.45	-1.00	-1.00	-1.00
05	16.40	12.90	55.22	33.45	-1.00	-1.00	-1.00
06	19.68	12.90	55.22	33.45	-1.00	-1.00	-1.00
07	22.96	12.90	55.22	33.50	-1.00	-1.00	-1.00
08	26.24	12.90	55.22	33.50	-1.00	-1.00	-1.00
09	29.52	12.90	55.22	33.50	-1.00	-1.00	-1.00
10	32.80	12.90	55.22	33.50	-1.00	-1.00	-1.00
11	36.08	12.90	55.22	33.50	-1.00	-1.00	-1.00
12	39.36	12.90	55.22	33.50	-1.00	-1.00	-1.00
13	42.64	12.90	55.22	33.50	-1.00	-1.00	-1.00
14	45.92	12.90	55.22	33.50	-1.00	-1.00	-1.00
15	49.20	12.90	55.22	33.50	-1.00	-1.00	-1.00
16	52.48	12.90	55.22	33.50	-1.00	-1.00	-1.00
17	55.76	12.90	55.22	33.50	-1.00	-1.00	-1.00
18	59.04	12.90	55.22	33.50	-1.00	-1.00	-1.00
19	62.32	12.90	55.22	33.60	-1.00	-1.00	-1.00

DATE: APRIL 1974

STATION: 81 LONG BEACH SEA BUOY PLBM

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O2 PPM	PH H+ION CONC	TURBIDITY %
00	0.0	14.40	57.92	33.70	8.70	-1.00	-1.00
01	3.28	14.00	57.20	33.80	9.10	-1.00	-1.00
02	6.56	13.70	56.66	33.80	8.60	-1.00	-1.00
03	9.84	13.60	56.48	33.80	8.30	-1.00	-1.00
04	13.12	13.60	56.48	33.80	8.20	-1.00	-1.00
05	16.40	13.60	56.48	33.80	8.40	-1.00	-1.00
06	19.68	13.60	56.48	33.70	8.60	-1.00	-1.00
07	22.96	13.60	55.46	33.70	8.60	-1.00	-1.00
08	26.24	13.50	55.30	33.60	8.60	-1.00	-1.00
09	29.52	13.40	56.12	33.60	8.70	-1.00	-1.00
10	32.80	13.40	56.12	33.60	8.70	-1.00	-1.00
11	36.08	13.30	55.94	33.60	8.20	-1.00	-1.00
12	39.36	13.20	55.42	33.70	7.20	-1.00	-1.00
13	42.64	13.20	53.24	33.60	6.80	-1.00	-1.00
14	45.92	13.20	53.24	33.60	6.80	-1.00	-1.00
15	49.20	13.20	53.24	33.60	6.80	-1.00	-1.00
16	52.48	13.20	53.24	33.70	6.70	-1.00	-1.00
17	55.76	13.20	53.06	33.70	6.60	-1.00	-1.00
18	59.04	13.20	53.06	33.70	6.40	-1.00	-1.00
19	62.32	13.20	53.06	33.70	6.40	-1.00	-1.00

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

DATE: MAY 1974
STATION: B1 LONG BEACH SEA RUGY #LB#

DEPTH FEET	TEMPERATURE °C °F	SALINITY ‰ ‰	D.O. PPM	PH	TURBIDITY %	
00	15.00	31.65	7.20	7.31	93.00	
01	14.80	31.64	31.75	7.20	7.31	93.00
02	14.60	31.64	31.75	7.20	7.31	93.00
03	14.40	31.64	31.70	7.10	7.32	93.00
04	13.12	31.60	31.70	7.20	7.32	92.50
05	13.40	31.60	31.70	7.20	7.32	92.50
06	19.68	14.60	31.75	7.20	7.32	92.50
07	22.46	14.50	31.75	7.00	7.32	92.50
08	26.24	14.30	31.74	7.00	7.32	92.00
09	29.02	13.90	31.90	7.00	7.32	92.00
10	32.80	13.50	31.85	7.00	7.31	92.00
11	36.08	13.70	31.90	6.90	7.31	92.50
12	39.36	13.50	31.80	6.80	7.31	92.50
13	42.64	13.20	31.76	6.70	7.30	92.00
14	45.92	12.90	31.72	6.60	7.30	92.00
15	49.20	12.50	31.60	6.50	7.29	99.00
16	52.48	12.20	31.90	6.40	7.29	81.50
17	55.76	12.10	31.78	6.30	7.29	77.50
18	59.04	12.10	31.78	6.10	7.29	68.00
19	62.32	12.10	31.78	6.20	7.28	62.00

* Possible probe malfunction

DATE: JUNE 1974
STATION: B1 LONG BEACH SEA RUGY #LB#

DEPTH FEET	TEMPERATURE °C °F	SALINITY ‰ ‰	D.O. PPM	PH	TURBIDITY %		
00	16.00	31.80	31.40	10.30	-1.00	74.50	
01	16.00	30.80	31.50	10.10	-1.00	88.00	
02	16.00	30.80	31.50	10.10	-1.00	89.50	
03	16.00	30.80	31.50	10.00	+1.00	90.00	
04	13.12	15.90	30.62	31.60	9.90	-1.00	91.50
05	15.40	15.50	30.44	31.40	9.90	-1.00	91.50
06	19.68	15.30	30.54	31.50	10.00	-1.00	92.00
07	22.46	15.10	30.18	31.60	9.80	-1.00	92.50
08	26.24	15.00	30.00	31.60	9.50	-1.00	93.00
09	29.02	14.20	31.50	31.90	9.50	+1.00	93.50
10	32.80	14.00	31.70	31.60	9.40	-1.00	94.00
11	36.08	14.00	31.70	31.50	9.20	-1.00	94.50
12	39.36	13.80	31.64	31.50	9.30	+1.00	94.00
13	42.64	13.50	31.50	31.80	8.90	-1.00	91.50
14	45.92	13.20	31.76	32.00	8.30	-1.00	91.00
15	49.20	12.90	31.22	32.00	7.80	-1.00	90.00
16	52.48	12.50	31.60	31.90	8.00	-1.00	90.00
17	55.76	12.20	31.90	32.10	8.20	-1.00	88.50
18	59.04	12.10	31.78	32.00	8.60	-1.00	81.00
19	62.32	12.00	31.60	32.10	8.50	-1.00	-3.00

* Possible probe malfunction

MISSING DATA VALUE IS -1.0

DATE: JULY 1974
STATION: B1 LONG BEACH SEA RUGY #LB#

DEPTH FEET	TEMPERATURE °C °F	SALINITY ‰ ‰	D.O. PPM	PH	TURBIDITY %		
00	16.00	31.50	61.70	-1.00	84.30	-1.00	80.00
01	13.28	16.40	61.52	-1.00	84.50	-1.00	79.00
02	6.56	15.90	60.62	-1.00	84.70	-1.00	81.50
03	9.84	15.90	60.62	-1.00	84.50	-1.00	82.50
04	13.12	15.80	60.44	-1.00	84.40	-1.00	86.50
05	16.40	15.70	60.26	-1.00	84.50	-1.00	90.00
06	19.68	15.60	60.08	-1.00	84.50	-1.00	91.00
07	22.46	15.10	59.18	-1.00	84.00	-1.00	91.00
08	26.24	15.00	59.00	-1.00	84.70	-1.00	91.00
09	29.02	15.00	59.00	-1.00	84.80	-1.00	91.00
10	32.80	14.80	58.82	-1.00	84.90	-1.00	91.50
11	36.08	14.80	58.64	-1.00	84.80	-1.00	91.00
12	39.36	14.70	58.46	-1.00	84.40	-1.00	90.50
13	42.64	14.60	58.28	-1.00	84.10	-1.00	90.00
14	45.92	14.50	58.10	-1.00	84.00	-1.00	86.00
15	49.20	14.40	57.92	-1.00	84.10	-1.00	87.00
16	52.48	13.90	57.62	-1.00	84.70	-1.00	86.00
17	55.76	13.50	56.30	-1.00	84.70	-1.00	83.00
18	59.04	13.20	56.10	-1.00	84.40	-1.00	75.00
19	62.32	12.90	55.22	-1.00	7.80	-1.00	51.00
20	65.60	12.90	55.22	-1.00	6.60	-1.00	-1.00

DATE: AUGUST 1974
STATION: B1 LONG BEACH SEA RUGY #LB#

DEPTH FEET	TEMPERATURE °C °F	SALINITY ‰ ‰	D.O. PPM	PH	TURBIDITY %		
00	16.00	31.40	61.48	32.90	84.80	-1.00	84.00
01	13.28	16.40	61.12	32.90	84.80	-1.00	84.00
02	6.56	17.90	61.22	32.80	84.80	+1.00	83.50
03	9.84	17.70	61.06	33.00	9.00	+1.00	85.00
04	13.12	17.70	61.06	32.90	9.10	-1.00	86.00
05	16.40	17.50	61.50	33.10	9.10	-1.00	86.00
06	19.68	17.20	62.96	33.20	9.00	-1.00	86.00
07	22.46	17.00	62.60	33.30	8.90	-1.00	85.00
08	26.24	17.00	62.60	33.30	9.80	+1.00	84.50
09	29.02	17.00	62.60	33.20	8.80	-1.00	83.00
10	32.80	16.20	61.16	33.70	8.40	+1.00	83.00
11	36.08	16.20	61.16	33.30	8.40	-1.00	84.50
12	39.36	16.20	61.36	33.60	7.40	-1.00	81.50
13	42.64	16.00	58.82	33.40	7.00	-1.00	81.00
14	45.92	14.90	58.28	33.40	7.60	+1.00	85.00
15	49.20	14.60	57.60	33.70	7.60	-1.00	86.00
16	52.48	14.00	57.20	33.60	7.60	-1.00	86.00
17	55.76	14.00	57.20	33.40	7.60	-1.00	86.00
18	59.04	14.00	57.20	33.40	7.60	-1.00	73.00
19	62.32	14.00	57.20	33.70	7.60	-1.00	74.00
20	65.60	14.00	57.20	33.70	7.60	-1.00	76.00

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1974

STATION: B1 LONG BEACH SEA BUOY "LBB"

DEPTH FEET	TEMPERATURE °F	SALINITY PPM	O ₂ PPM	PH	TURBIDITY M.L.D.M. CONC
00	68.0	33.40	9.30	8.31	75.50
01	36.28	33.50	9.40	8.35	75.50
02	68.56	33.50	10.80	8.37	76.50
03	9.84	33.60	10.30	8.33	76.50
04	13.12	33.60	11.00	8.29	77.50
05	16.40	33.60	11.20	8.29	77.50
06	19.68	33.60	12.00	8.29	78.00
07	22.96	33.50	11.70	8.29	78.50
08	26.24	33.50	12.00	8.28	78.00
09	29.52	33.60	11.80	8.27	77.50
10	32.80	33.60	10.20	8.24	78.00
11	36.08	33.60	9.40	8.06	78.50
12	39.36	33.60	9.20	8.01	78.50
13	42.64	33.60	9.20	8.03	77.00
14	45.92	33.70	8.00	8.04	78.00
15	49.20	33.70	8.50	7.88	78.50
16	52.48	33.60	5.40	7.85	76.50
17	55.76	33.60	5.90	7.89	60.50
18	59.04	33.60	7.00	7.95	61.50

DATE: NOVEMBER 1974

STATION: B1 LONG BEACH SEA BUOY "LBB"

DEPTH FEET	TEMPERATURE °F	SALINITY PPM	O ₂ PPM	PH	TURBIDITY M.L.D.M. CONC
00	68.0	33.70	8.82	8.29	73.50
01	36.28	33.70	8.82	8.29	74.00
02	68.56	33.70	8.82	8.29	73.00
03	9.84	33.70	8.82	8.29	73.50
04	13.12	33.70	8.82	8.29	83.50
05	16.40	33.70	8.82	8.29	73.00
06	19.68	33.70	8.82	8.29	82.50
07	22.96	33.70	8.82	8.29	82.50
08	26.24	33.70	8.82	8.22	84.00
09	29.52	33.70	8.82	8.22	84.00
10	32.80	33.70	8.82	8.22	84.50
11	36.08	33.70	8.82	8.22	85.00
12	39.36	33.70	8.82	8.22	84.00
13	42.64	33.70	8.82	8.22	81.50
14	45.92	33.70	8.82	8.21	81.00
15	49.20	33.70	8.82	8.21	81.50
16	52.48	33.70	8.82	8.20	79.50
17	55.76	33.70	8.82	8.20	72.50
18	59.04	33.70	8.82	8.20	70.00
19	62.32	33.70	8.82	8.20	67.50
20	65.60	33.70	8.82	8.20	-1.00

DATE: OCTOBER 1974

STATION: B1 LONG BEACH SEA BUOY "LBB"

DEPTH FEET	TEMPERATURE °F	SALINITY PPM	O ₂ PPM	PH	TURBIDITY M.L.D.M. CONC
00	68.0	33.40	8.60	8.34	86.50
01	36.28	33.50	8.70	8.35	88.50
02	68.56	33.50	8.70	8.33	87.50
03	9.84	33.50	8.50	8.33	88.00
04	13.12	33.50	8.50	8.33	87.00
05	16.40	33.50	8.50	8.33	86.00
06	19.68	33.50	8.50	8.31	86.00
07	22.96	33.50	8.40	8.31	85.50
08	26.24	33.50	8.40	8.31	85.50
09	29.52	33.50	8.40	8.31	85.00
10	32.80	33.50	8.40	8.29	85.00
11	36.08	33.50	8.00	8.27	84.50
12	39.36	33.40	7.70	8.26	84.00
13	42.64	33.30	7.20	8.23	79.00
14	45.92	33.30	7.10	8.20	77.50
15	49.20	33.40	6.90	8.19	77.00
16	52.48	33.40	6.80	8.18	77.00
17	55.76	33.40	6.60	8.16	76.50
18	59.04	33.40	6.50	8.15	71.50
19	62.32	33.40	6.30	8.13	55.00
20	65.60	33.40	6.20	8.11	10.00

DATE: DECEMBER 1974

STATION: B1 LONG BEACH SEA BUOY "LBB"

DEPTH FEET	TEMPERATURE °F	SALINITY PPM	O ₂ PPM	PH	TURBIDITY M.L.D.M. CONC
00	68.0	33.30	9.20	8.48	94.50
01	36.28	33.30	9.20	8.49	90.00
02	68.56	33.40	9.20	8.49	90.00
03	9.84	33.40	9.20	8.49	90.00
04	13.12	33.40	9.20	8.49	90.00
05	16.40	33.40	9.20	8.49	90.00
06	19.68	33.40	9.20	8.49	90.00
07	22.96	33.40	9.20	8.54	94.00
08	26.24	33.40	9.20	8.54	94.00
09	29.52	33.40	9.20	8.56	95.00
10	32.80	33.40	9.20	8.56	95.00
11	36.08	33.40	9.20	8.56	95.00
12	39.36	33.40	9.20	8.56	95.00
13	42.64	33.40	9.20	8.56	95.00
14	45.92	33.40	9.20	8.56	95.00
15	49.20	33.40	9.20	8.56	95.00
16	52.48	33.40	9.20	8.56	95.00
17	55.76	33.40	9.20	8.56	95.00
18	59.04	33.40	9.20	8.56	95.00
19	62.32	33.40	9.20	8.56	95.00
20	65.60	33.40	9.20	8.34	-1.00

MISSING DATA VALUE IS -1.0

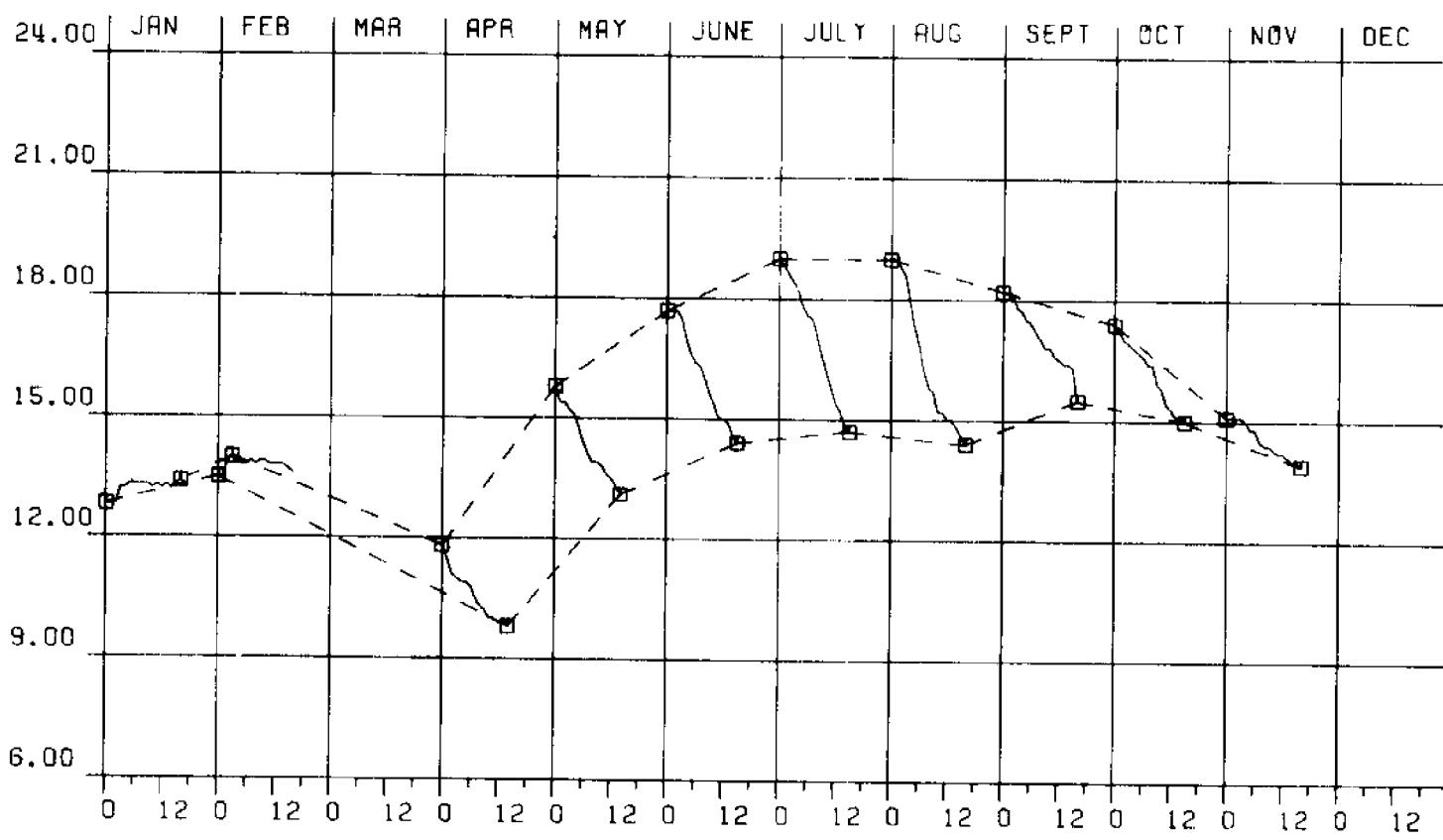
MISSING DATA VALUE IS -1.0

B2 PIER J BETWEEN BERTHS 244 & 245

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

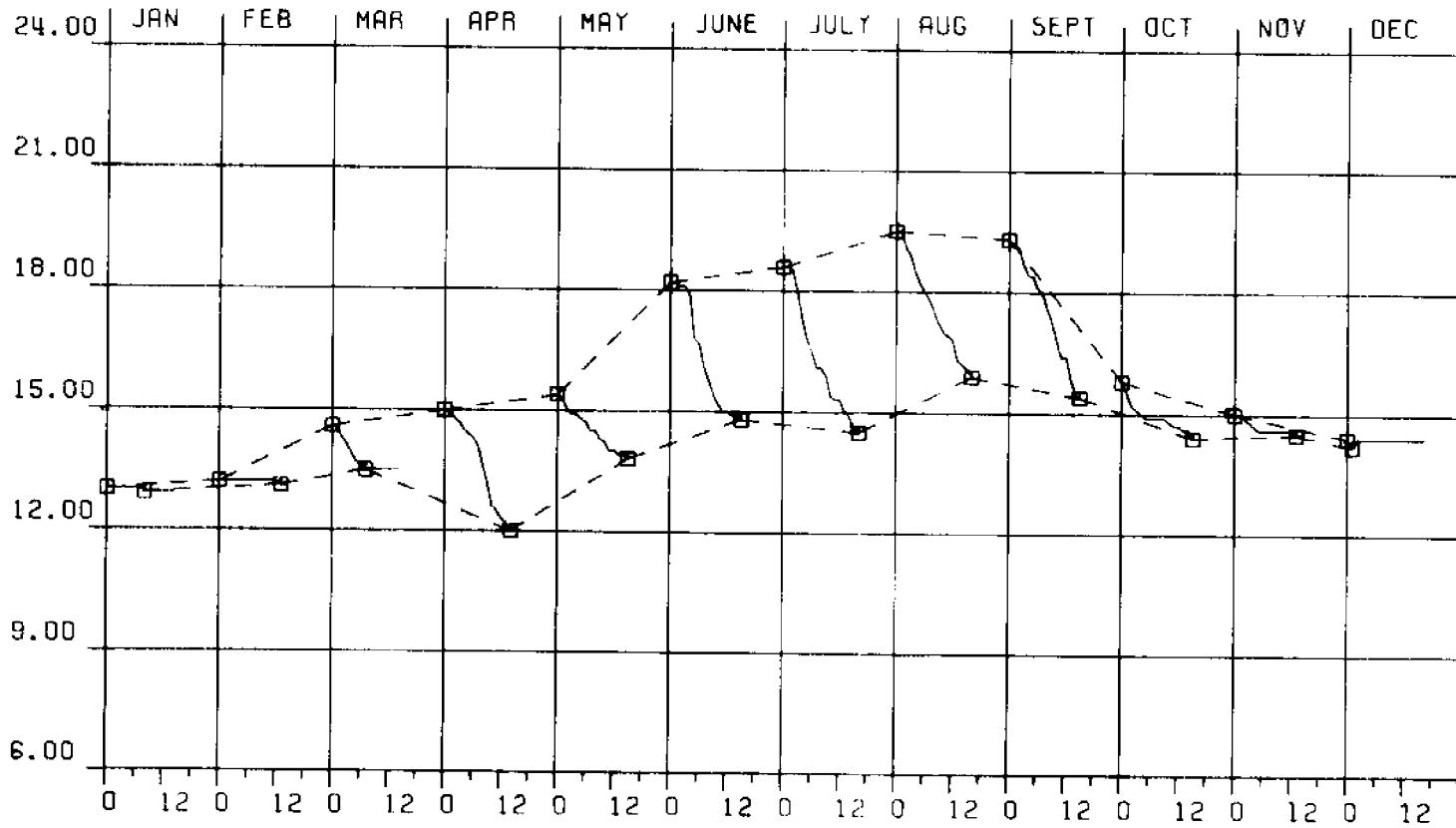


B2 PIER J BETWEEN BERTHS 244 & 245

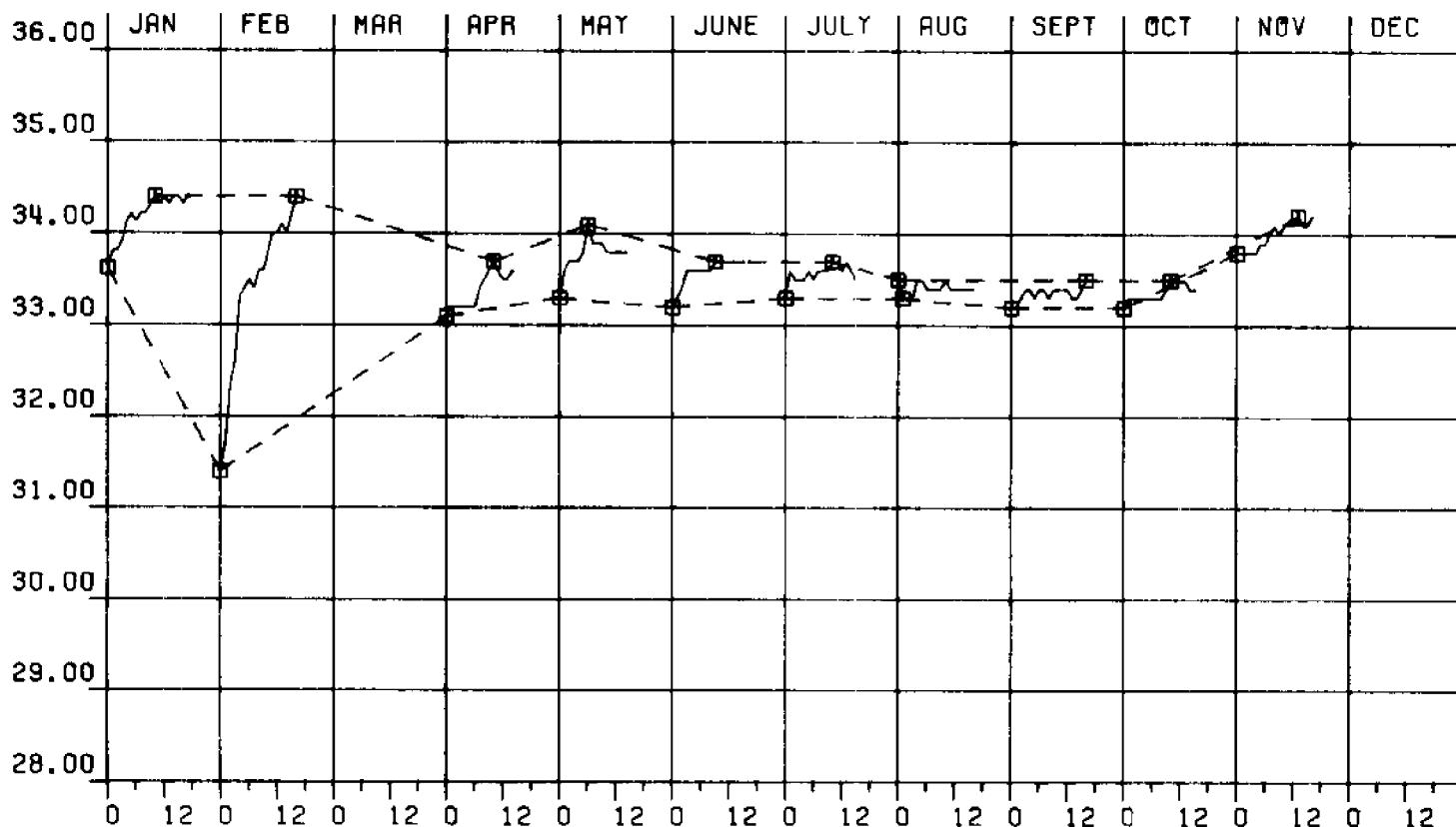
DATE: 1974

EACH SUBGRAPH BY MONTH

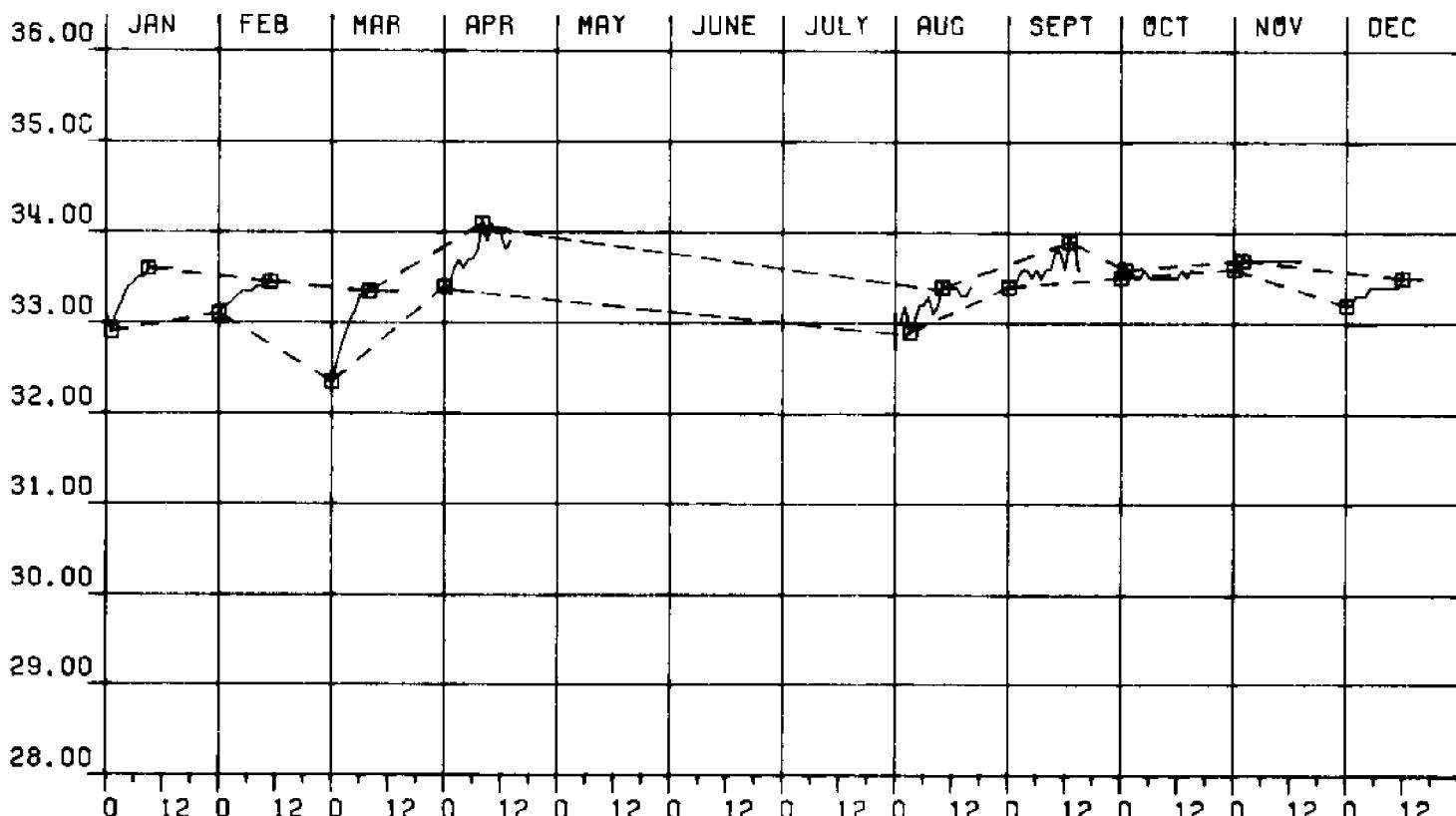
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



B2 PIER J BETWEEN BERTHS 244 & 245
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



B2 PIER J BETWEEN BERTHS 244 & 245
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT

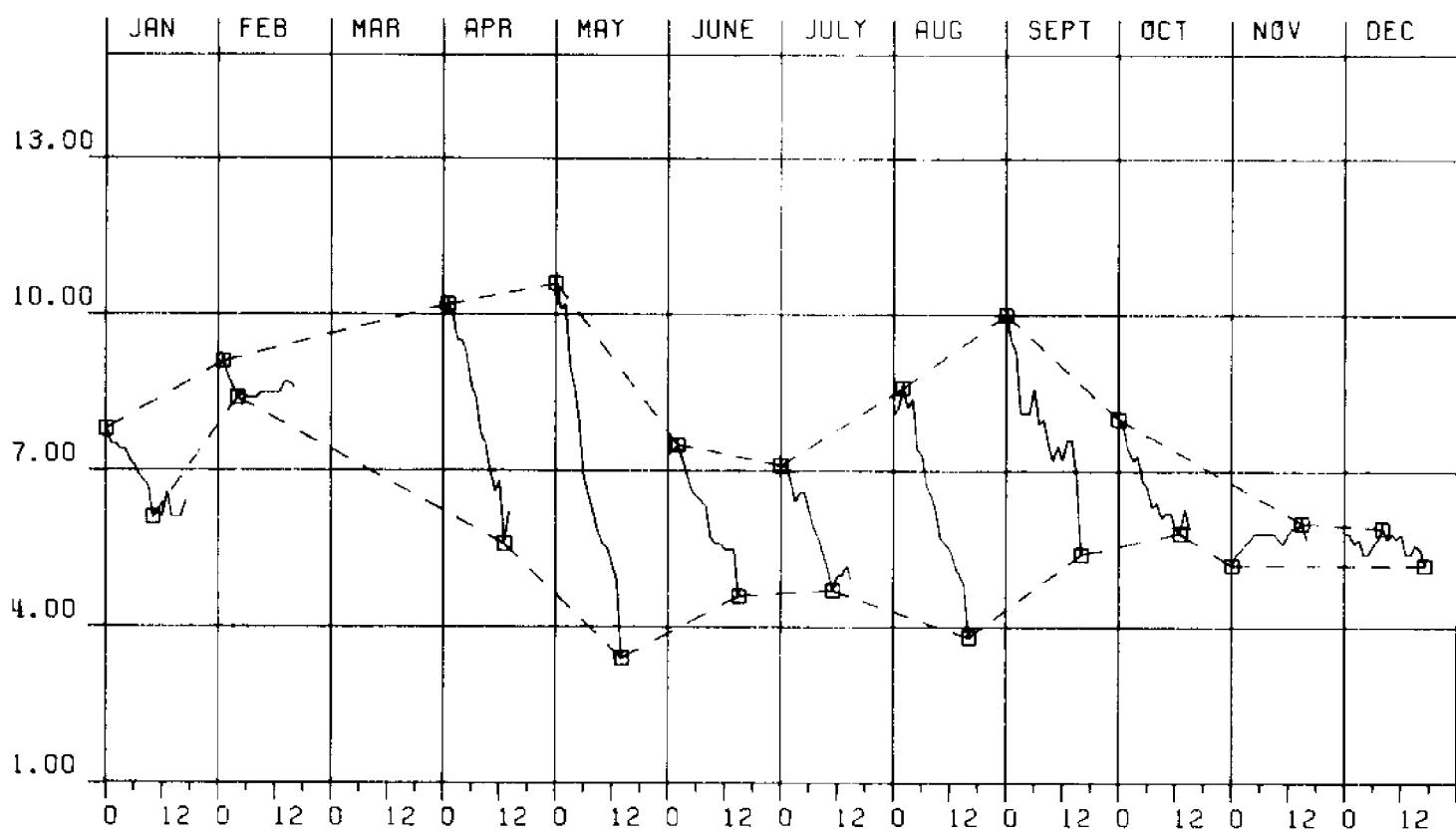


B2 PIER J BETWEEN BERTHS 244 & 245

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM

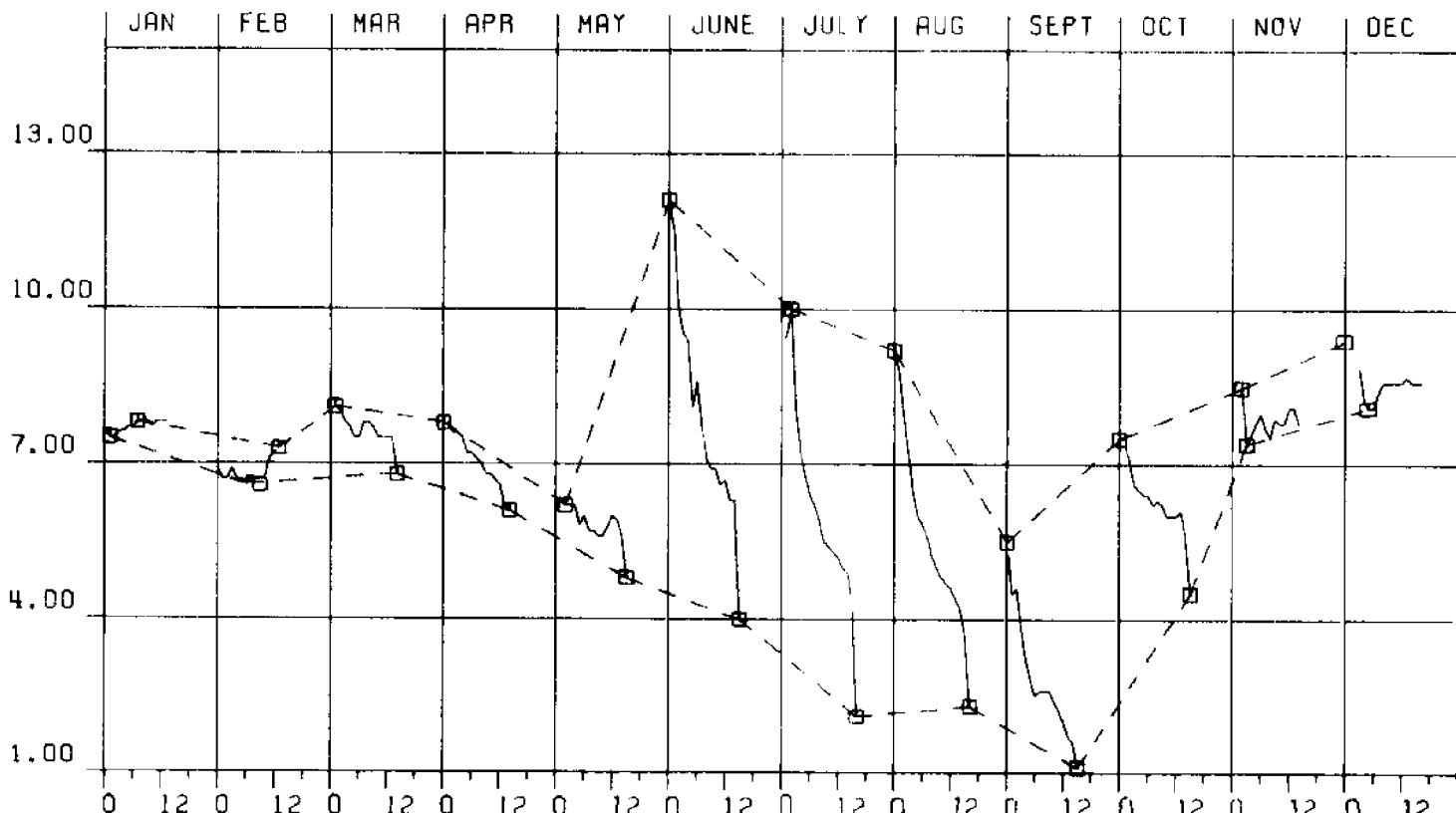


B2 PIER J BETWEEN BERTHS 244 & 245

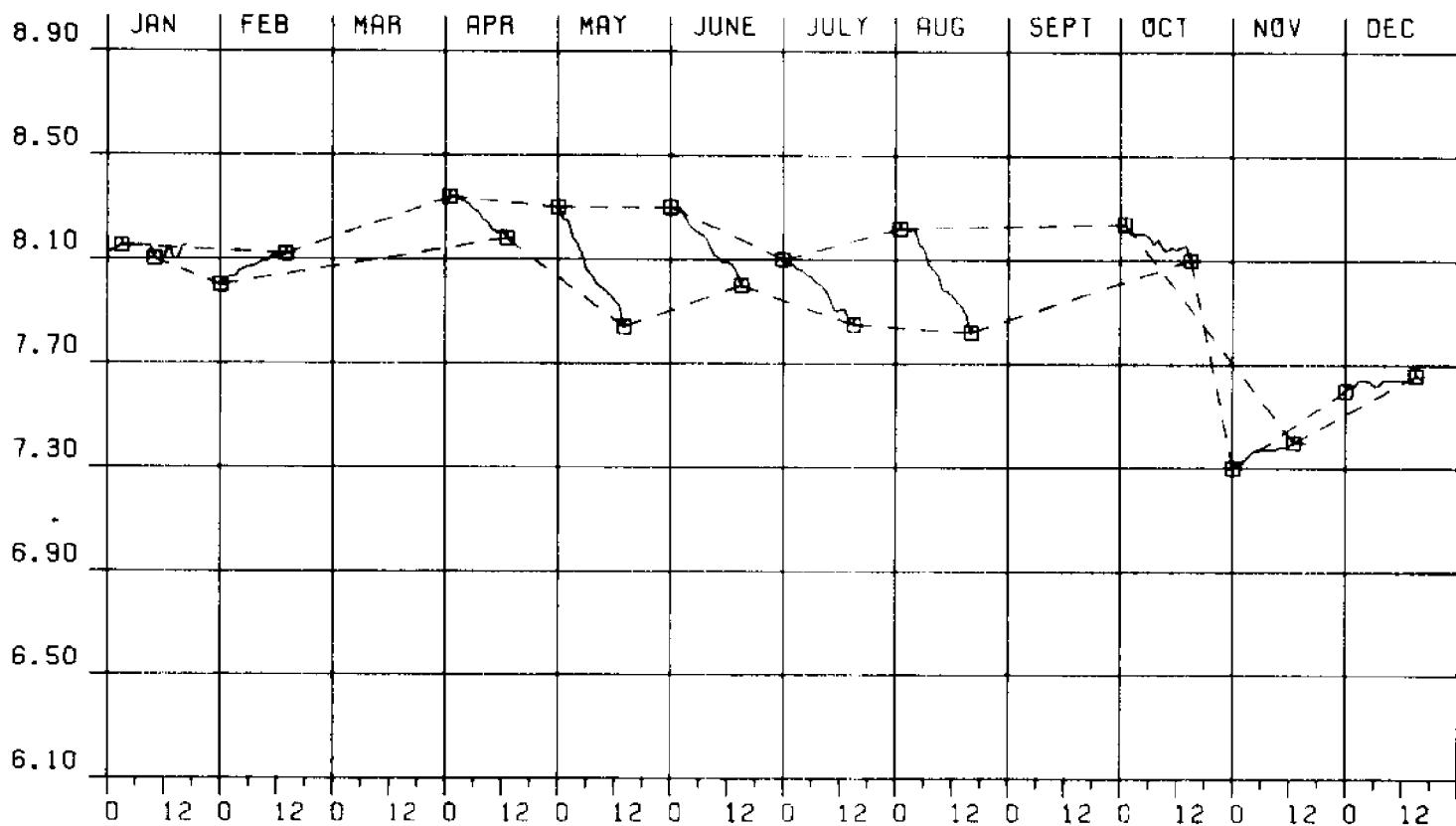
DATE: 1974

EACH SUBGRAPH BY MONTH

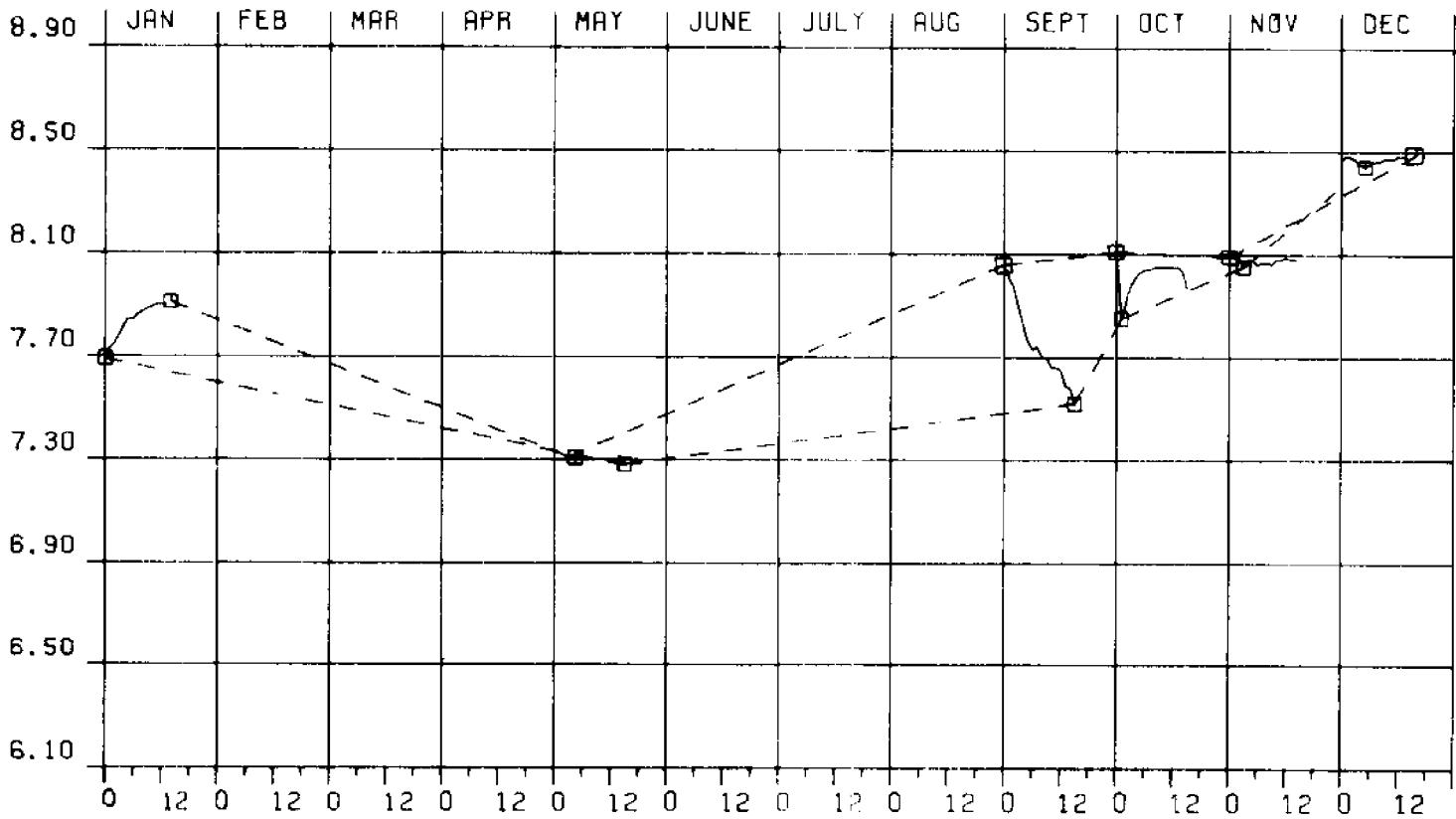
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



B2 PIER J BETWEEN BERTHS 244 & 245
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



B2 PIER J BETWEEN BERTHS 244 & 245
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: JANUARY 1973

STATION: 82 PIER J BETWEEN BERTHS 244 & 245

METERS METERS	DEPTH FEET	TEMPERATURE C F	SALINITY ‰ PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0	12.80	55.04	33.62	7.80	8.12
01	3.28	12.80	55.04	33.61	7.50	8.13
02	6.56	12.80	55.04	33.61	7.50	8.14
03	9.84	13.20	55.76	33.92	7.40	8.15
04	13.12	13.20	55.76	34.12	7.40	8.15
05	16.40	13.30	55.94	34.21	7.20	8.15
06	19.68	13.30	55.94	34.12	7.10	8.15
07	22.96	13.30	55.94	34.21	6.90	8.15
08	26.24	13.30	55.94	34.21	6.80	8.15
09	29.52	13.30	55.94	34.31	6.70	8.15
10	32.80	13.20	55.76	34.40	6.10	8.10
11	36.08	13.30	55.94	34.31	6.20	8.10
12	39.36	13.20	55.76	34.40	6.10	8.10
13	42.64	13.30	55.94	34.31	6.60	8.15
14	45.92	13.20	55.76	34.40	6.10	8.10
15	49.20	13.30	55.94	34.40	6.10	8.10
16	52.48	13.40	56.12	34.31	6.10	8.15
17	55.76	13.30	55.94	34.40	6.40	8.15

DATE: FEBRUARY 1973

STATION: 82 PIER J BETWEEN BERTHS 244 & 245

METERS METERS	DEPTH FEET	TEMPERATURE C F	SALINITY ‰ PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0	13.50	56.30	31.40	9.00	8.00
01	3.28	13.50	56.30	31.70	9.10	8.02
02	6.56	13.90	57.02	32.30	8.80	8.03
03	9.84	14.00	57.20	32.60	8.60	8.03
04	13.12	13.80	56.84	33.30	8.40	8.05
05	16.40	13.80	56.84	33.40	8.50	8.06
06	19.68	13.80	56.84	33.50	8.40	8.07
07	22.96	13.90	57.02	33.40	8.40	8.07
08	26.24	13.80	56.84	33.60	8.40	8.08
09	29.52	13.90	57.02	33.60	8.50	8.09
10	32.80	13.90	57.02	33.80	8.50	8.09
11	36.08	13.80	56.84	34.00	8.50	8.11
12	39.36	13.80	56.84	34.00	8.50	8.11
13	42.64	13.80	56.84	34.10	8.50	8.11
14	45.92	13.80	56.84	34.00	8.70	8.12
15	49.20	13.70	56.66	34.20	8.70	8.12
16	52.48	13.60	56.48	34.40	8.60	8.12

MISSING DATA VALUE IS -1.00

DATE: MARCH 1973

STATION: 82 PIER J 750

METERS METERS	DEPTH FEET	TEMPERATURE C F	SALINITY ‰ PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0	13.20	55.76	32.70	10.10	8.27
01	3.28	13.20	55.76	32.70	10.00	8.27
02	6.56	13.10	55.58	32.90	9.90	8.26
03	9.84	13.10	55.58	32.90	9.90	8.26
04	13.12	13.40	56.12	32.80	9.40	8.24
05	16.40	13.50	56.30	32.80	9.30	8.23
06	19.68	13.50	56.30	32.80	9.20	8.24
07	22.96	13.50	56.30	32.80	9.20	8.23
08	26.24	13.50	56.30	32.80	9.10	8.22
09	29.52	13.50	56.30	32.80	9.10	8.22
10	32.80	13.50	56.30	32.80	8.90	8.21
11	36.08	13.50	56.30	32.80	8.70	8.21
12	39.36	13.60	56.12	33.00	8.70	8.21
13	42.64	13.40	56.12	33.00	8.80	8.21
14	45.92	13.40	56.12	33.00	8.40	8.20
15	49.20	13.40	56.12	33.00	6.50	8.11

DATE: APRIL 1973

STATION: 82 PIER J BETWEEN BERTHS 244 & 245

METERS METERS	DEPTH FEET	TEMPERATURE C F	SALINITY ‰ PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0	11.80	53.24	13.13	10.00	8.30
01	3.28	11.50	52.70	33.20	10.20	8.34
02	6.56	11.10	51.98	33.20	10.00	8.34
03	9.84	11.00	51.80	33.20	9.50	8.33
04	13.12	10.90	51.62	33.20	9.50	8.32
05	16.40	10.90	51.62	33.20	9.20	8.31
06	19.68	10.80	51.44	13.20	8.60	8.29
07	22.96	10.80	50.90	33.40	8.40	8.28
08	26.24	10.80	50.54	33.50	7.70	8.25
09	29.52	10.20	50.36	13.60	7.50	8.24
10	32.80	10.00	50.00	13.70	7.00	8.21
11	36.08	10.00	50.00	33.60	6.60	8.20
12	39.36	9.90	49.82	33.50	6.80	8.21
13	42.64	9.90	49.62	33.50	5.60	8.18
14	45.92	9.80	49.64	33.60	6.20	8.18

DATE: MAY 1973

STATION: 82 PIER J BETWEEN BERTHS 244 & 245

METERS METERS	DEPTH FEET	TEMPERATURE C F	SALINITY ‰ PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0	15.80	60.44	33.30	10.60	8.30
01	3.28	15.40	59.72	33.60	10.80	8.25
02	6.56	15.40	59.72	33.70	10.20	8.25
03	9.84	15.20	59.36	13.70	9.00	8.18
04	13.12	15.10	59.18	13.70	8.60	8.16
05	16.40	14.80	58.64	33.80	7.90	8.12
06	19.68	14.40	57.92	34.10	6.90	8.06
07	22.96	14.10	57.38	33.90	6.50	8.04
08	26.24	13.90	57.02	33.90	6.20	8.01
09	29.52	13.90	57.02	33.90	5.80	7.99
10	32.80	13.80	56.84	33.80	5.60	7.98
11	36.08	13.60	56.48	33.80	5.50	7.98
12	39.36	13.50	55.30	33.80	5.20	7.94
13	42.64	13.30	55.94	33.80	4.90	7.92
14	45.92	13.10	55.58	33.80	4.40	7.94

DATE: JUNE 1973

STATION: 82 PIER J BETWEEN BERTHS 244 & 245

DEPTH FEET		TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	17.70	33.80	7.30	8.30	78.50
01	3.28	17.70	33.80	7.40	8.30	78.50
02	6.56	17.70	33.80	7.50	8.30	78.50
03	9.84	17.50	33.60	7.20	8.20	78.50
04	13.12	17.00	33.60	6.90	8.21	78.50
05	16.40	16.00	33.60	6.60	8.21	78.00
06	19.68	15.40	33.60	6.50	8.20	78.00
07	22.96	15.30	33.60	6.40	8.19	78.00
08	26.24	15.00	33.60	6.30	8.16	78.50
09	29.52	15.60	33.70	5.70	8.12	78.00
10	32.80	15.40	33.70	5.60	8.11	78.00
11	36.08	15.00	33.70	5.60	8.09	78.00
12	39.36	15.00	33.70	5.50	8.09	78.00
13	42.64	14.90	33.70	5.50	8.08	78.50
14	45.92	14.60	33.70	5.50	8.05	77.00
15	49.20	14.40	33.70	4.60	8.00	78.00

DATE: JULY 1973

STATION: 82 PIER J BETWEEN BERTHS 244 & 245

DEPTH FEET		TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	19.00	33.30	7.10	8.10	-1.00
01	3.28	18.80	33.80	7.10	8.08	-1.00
02	6.56	18.60	33.80	6.80	8.08	-1.00
03	9.84	18.40	33.80	6.40	8.06	-1.00
04	13.12	18.20	33.80	6.60	8.06	-1.00
05	16.40	17.80	33.80	6.60	8.04	-1.00
06	19.68	17.60	33.80	6.20	8.01	-1.00
07	22.96	17.50	33.80	5.90	8.01	-1.00
08	26.24	17.10	33.80	5.70	8.00	-1.00
09	29.52	16.80	33.80	5.40	7.98	-1.00
10	32.80	16.20	33.70	5.10	7.94	-1.00
11	36.08	15.80	33.70	4.70	7.90	-1.00
12	39.36	15.40	33.70	5.00	7.91	-1.00
13	42.64	15.20	33.70	5.00	7.91	-1.00
14	45.92	14.80	33.80	5.20	7.86	-1.00
15	49.20	14.70	33.80	4.90	7.85	-1.00

DATE: AUGUST 1973

STATION: 82 PIER J BETWEEN BERTHS 244 & 245

DEPTH FEET		TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	19.00	33.50	6.10	8.21	-1.00
01	3.28	19.00	33.30	6.20	8.22	-1.00
02	6.56	18.80	33.80	6.60	8.22	-1.00
03	9.84	18.60	33.80	6.20	8.21	-1.00
04	13.12	17.90	33.80	6.40	8.22	-1.00
05	16.40	17.30	33.14	7.40	8.16	-1.00
06	19.68	16.80	33.40	7.30	8.14	-1.00
07	22.96	16.20	33.40	6.70	8.08	-1.00
08	26.24	15.80	33.40	6.50	8.06	-1.00
09	29.52	15.70	33.40	6.20	8.04	-1.00
10	32.80	15.20	33.40	5.70	7.98	-1.00
11	36.08	15.20	33.40	5.60	7.98	-1.00
12	39.36	15.00	33.40	5.50	7.96	-1.00
13	42.64	15.00	33.40	5.20	7.94	-1.00
14	45.92	14.80	33.40	5.00	7.92	-1.00
15	49.20	14.60	33.40	4.80	7.89	-1.00
16	52.48	14.40	33.40	3.80	7.82	-1.00

DATE: SEPTEMBER 1973

STATION: 82 PIER J BETWEEN BERTHS 244 & 245

DEPTH FEET		TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	18.20	33.20	10.00	8.00	-1.00
01	3.28	18.20	33.20	9.50	8.00	-1.00
02	6.56	18.10	33.30	9.58	9.30	-1.00
03	9.84	17.90	33.40	9.04	9.40	-1.00
04	13.12	17.70	33.80	8.10	8.10	-1.00
05	16.40	17.40	33.80	8.12	8.10	-1.00
06	19.68	17.40	33.80	8.12	8.10	-1.00
07	22.96	17.40	33.80	8.12	8.10	-1.00
08	26.24	17.40	33.80	8.12	8.10	-1.00
09	29.52	17.40	33.80	8.12	8.10	-1.00
10	32.80	17.40	33.80	8.12	8.10	-1.00
11	36.08	17.40	33.80	8.12	8.10	-1.00
12	39.36	17.40	33.80	8.12	8.10	-1.00
13	42.64	17.40	33.80	8.12	8.10	-1.00
14	45.92	17.40	33.80	8.12	8.10	-1.00
15	49.20	17.40	33.80	8.12	8.10	-1.00
16	52.48	17.40	33.80	8.12	8.10	-1.00

DATE: OCTOBER 1973

STATION: 82 PIER J BETWEEN BERTHS 244 & 245

DEPTH FEET		TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	17.40	33.12	8.00	8.23	82.00
01	3.28	17.20	32.90	7.80	8.24	82.50
02	6.56	17.00	32.80	7.80	8.20	78.00
03	9.84	16.90	32.42	7.80	8.20	81.50
04	13.12	16.80	32.42	7.30	8.20	82.00
05	16.40	16.70	32.06	7.30	8.20	84.00
06	19.68	16.60	31.88	6.70	8.19	84.00
07	22.96	16.40	31.52	7.30	8.16	84.00
08	26.24	16.40	31.52	7.30	8.16	85.00
09	29.52	16.90	30.62	7.10	8.14	85.50
10	32.80	15.80	30.44	7.50	8.14	83.00
11	36.08	15.40	59.72	7.50	8.16	81.50
12	39.36	15.30	59.54	7.50	8.16	81.00
13	42.64	15.10	59.18	7.50	8.16	74.50
14	45.92	15.10	59.18	7.50	8.16	78.00

MISSING DATA VALUE IS -1.0

DATE: DECEMBER 1973

STATION NO. DEPTHS BETWEEN HHS 244 & 245

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	pH	TURBIDITY mg/l		
00	0.00	15.12	34.80	6.20	7.10	41.00
01	3.25	15.10	34.80	6.40	7.00	81.50
02	6.50	15.12	34.80	6.50	7.00	81.00
03	9.75	15.10	34.80	6.60	7.00	82.50
04	13.00	15.10	34.80	6.70	7.00	93.50
05	16.25	15.00	34.80	6.80	7.00	90.00
06	19.50	15.00	34.80	6.90	7.00	80.00
07	22.75	14.90	34.80	7.00	7.00	70.00
08	26.00	14.80	34.80	7.00	7.00	70.00
09	29.25	14.70	34.80	7.00	7.00	65.00
10	32.50	14.60	34.74	7.00	7.00	60.00
11	36.75	14.50	34.70	7.00	7.00	60.00
12	40.00	14.40	34.66	7.00	7.00	60.00
13	43.25	14.30	34.62	7.00	7.00	60.00
14	46.50	14.20	34.58	7.00	7.00	60.00
15	49.75	14.10	34.54	7.00	7.00	60.00
16	53.00	14.00	34.50	7.00	7.00	60.00

DATE: JANUARY 1974

STATION NO. DEPTHS BETWEEN HHS 244 & 245

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	pH	TURBIDITY mg/l		
00	0.00	14.70	34.80	6.40	7.00	71.50
01	3.25	14.70	34.80	6.50	7.00	76.50
02	6.50	14.70	34.80	6.60	7.00	77.00
03	9.75	14.70	34.80	6.70	7.00	73.00
04	13.00	14.70	34.80	6.80	7.00	74.00
05	16.25	14.70	34.80	6.90	7.00	74.00
06	19.50	14.70	34.80	7.00	7.00	74.00
07	22.75	14.70	34.80	7.00	7.00	70.00
08	26.00	14.70	34.80	7.00	7.00	66.50
09	29.25	14.70	34.80	7.00	7.00	61.00
10	32.50	14.70	34.80	7.00	7.00	65.00
11	36.75	14.70	34.80	7.00	7.00	65.00
12	40.00	14.70	34.80	7.00	7.00	65.00
13	43.25	14.70	34.80	7.00	7.00	65.00
14	46.50	14.70	34.80	7.00	7.00	65.00
15	49.75	14.70	34.80	7.00	7.00	65.00
16	53.00	14.70	34.80	7.00	7.00	65.00

DATE: FEBRUARY 1974

STATION NO. DEPTHS BETWEEN HHS 244 & 245

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	pH	TURBIDITY mg/l		
00	0.00	-1.00	-1.00	7.00	7.00	-1.00
01	3.25	-1.00	-1.00	7.00	7.00	-1.00
02	6.50	-1.00	-1.00	7.00	7.00	-1.00
03	9.75	-1.00	-1.00	7.00	7.00	-1.00
04	13.00	-1.00	-1.00	7.00	7.00	-1.00
05	16.25	-1.00	-1.00	7.00	7.00	-1.00
06	19.50	-1.00	-1.00	7.00	7.00	-1.00
07	22.75	-1.00	-1.00	7.00	7.00	-1.00
08	26.00	-1.00	-1.00	7.00	7.00	-1.00
09	29.25	-1.00	-1.00	7.00	7.00	-1.00
10	32.50	-1.00	-1.00	7.00	7.00	-1.00
11	36.75	-1.00	-1.00	7.00	7.00	-1.00
12	40.00	-1.00	-1.00	7.00	7.00	-1.00
13	43.25	-1.00	-1.00	7.00	7.00	-1.00
14	46.50	-1.00	-1.00	7.00	7.00	-1.00
15	49.75	-1.00	-1.00	7.00	7.00	-1.00
16	53.00	-1.00	-1.00	7.00	7.00	-1.00

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	pH	TURBIDITY mg/l		
00	0.00	14.20	34.76	6.00	6.00	-1.00
01	3.25	14.20	34.76	6.00	6.00	-1.00
02	6.50	14.20	34.76	6.00	6.00	-1.00
03	9.75	14.20	34.76	6.00	6.00	-1.00
04	13.00	14.20	34.76	6.00	6.00	-1.00
05	16.25	14.20	34.76	6.00	6.00	-1.00
06	19.50	14.20	34.76	6.00	6.00	-1.00
07	22.75	14.20	34.76	6.00	6.00	-1.00
08	26.00	14.20	34.76	6.00	6.00	-1.00
09	29.25	14.20	34.76	6.00	6.00	-1.00
10	32.50	14.20	34.76	6.00	6.00	-1.00
11	36.75	14.20	34.76	6.00	6.00	-1.00
12	40.00	14.20	34.76	6.00	6.00	-1.00
13	43.25	14.20	34.76	6.00	6.00	-1.00
14	46.50	14.20	34.76	6.00	6.00	-1.00
15	49.75	14.20	34.76	6.00	6.00	-1.00
16	53.00	14.20	34.76	6.00	6.00	-1.00

DATE: MARCH 1974

STATION NO. DEPTHS BETWEEN HHS 244 & 245

MISSING DATA VALUE	DEPTHS
-1.00	0.00
-1.00	3.25
-1.00	6.50
-1.00	9.75
-1.00	13.00
-1.00	16.25
-1.00	19.50
-1.00	22.75
-1.00	26.00
-1.00	29.25
-1.00	32.50
-1.00	36.75
-1.00	40.00
-1.00	43.25
-1.00	46.50
-1.00	49.75
-1.00	53.00

DATE: APRIL 1974

STATION NO. DEPTHS BETWEEN HHS 244 & 245

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	pH	TURBIDITY mg/l	
00	0.00	14.20	34.76	6.00	6.00
01	3.25	14.20	34.76	6.00	6.00
02	6.50	14.20	34.76	6.00	6.00
03	9.75	14.20	34.76	6.00	6.00
04	13.00	14.20	34.76	6.00	6.00
05	16.25	14.20	34.76	6.00	6.00
06	19.50	14.20	34.76	6.00	6.00
07	22.75	14.20	34.76	6.00	6.00
08	26.00	14.20	34.76	6.00	6.00
09	29.25	14.20	34.76	6.00	6.00
10	32.50	14.20	34.76	6.00	6.00
11	36.75	14.20	34.76	6.00	6.00
12	40.00	14.20	34.76	6.00	6.00
13	43.25	14.20	34.76	6.00	6.00
14	46.50	14.20	34.76	6.00	6.00
15	49.75	14.20	34.76	6.00	6.00
16	53.00	14.20	34.76	6.00	6.00

DATE: APRIL 1974
STATION: 02 PIER J BETWEEN DEPTHS 244 & 245

DEPTH FEET	TEMPERATURE °F	SALINITY ‰	O ₂ DO PPM	pH	TURBIDITY NTU
00	64.0	54.00	54.00	7.840	-1.00
01	54.25	54.90	58.52	53.40	7.86
02	64.50	54.84	53.60	7.86	-1.00
03	64.75	54.70	53.70	7.86	-1.00
04	134.12	54.10	53.60	7.86	-1.00
05	166.40	54.40	57.92	53.70	7.820
06	196.50	54.30	57.74	53.70	-1.00
07	224.00	54.10	57.40	53.80	-1.00
08	254.24	53.80	56.44	54.14	7.800
09	294.50	53.20	55.82	53.90	-1.00
10	324.80	52.80	54.84	54.10	-1.00
11	364.00	52.50	54.50	54.00	-1.00
12	394.24	51.30	54.14	54.00	-1.00
13	424.48	51.20	53.74	54.00	-1.00
14	454.52	51.00	53.60	53.90	-1.00

DATE: MAY 1974
STATION: 02 PIER J BETWEEN DEPTHS 244 & 245

DEPTH FEET	TEMPERATURE °F	SALINITY ‰	O ₂ DO PPM	pH	TURBIDITY NTU
00	64.0	59.72	31.80	5.00	7.930
01	54.25	59.40	59.40	6.110	7.930
02	64.50	59.00	59.00	6.140	69.800
03	64.75	54.90	58.82	31.85	6.200
04	134.12	54.90	58.82	31.85	6.200
05	164.00	54.60	58.54	31.85	6.200
06	194.24	54.40	58.46	31.85	6.200
07	224.00	54.10	58.16	31.85	6.200
08	254.24	54.00	58.14	31.85	6.200
09	294.50	53.80	57.74	31.85	6.200
10	324.80	53.50	57.54	31.85	6.200
11	364.00	53.20	57.24	31.85	6.200
12	394.24	52.80	56.94	31.85	6.200
13	424.48	52.40	56.64	31.85	6.200
14	454.52	52.00	56.44	31.85	6.200

* Possible probe malfunction

DATE: JUNE 1974
STATION: 02 PIER J BETWEEN DEPTHS 244 & 245

DEPTH FEET	TEMPERATURE °F	SALINITY ‰	O ₂ DO PPM	pH	TURBIDITY NTU
00	64.0	58.20	54.76	30.80	12.10
01	54.25	58.20	56.76	30.80	-1.00
02	64.50	58.20	56.58	30.80	-1.00
03	64.75	58.10	56.58	30.80	-1.00
04	134.12	58.10	56.42	31.30	-1.00
05	164.00	58.10	56.24	31.12	-1.00
06	194.24	58.10	56.06	31.12	-1.00
07	224.00	58.10	55.88	31.12	-1.00
08	254.24	58.10	55.70	31.12	-1.00
09	294.50	58.10	55.52	31.12	-1.00
10	324.80	58.10	55.34	31.12	-1.00
11	364.00	58.10	55.16	31.12	-1.00
12	394.24	58.10	54.98	31.12	-1.00
13	424.48	58.10	54.80	31.12	-1.00
14	454.52	58.10	54.62	31.12	-1.00

* Possible probe malfunction

DATE: JULY 1974
STATION: 02 PIER J BETWEEN DEPTHS 244 & 245

DEPTH FEET	TEMPERATURE °F	SALINITY ‰	O ₂ DO PPM	pH	TURBIDITY NTU
00	64.0	58.20	56.48	31.80	-1.00
01	54.25	58.20	56.48	31.80	-1.00
02	64.50	58.20	56.30	31.80	-1.00
03	64.75	58.20	56.22	31.80	-1.00
04	134.12	58.20	56.14	31.80	-1.00
05	166.40	58.20	56.06	31.80	-1.00
06	196.50	58.20	55.98	31.80	-1.00
07	224.00	58.20	55.90	31.80	-1.00
08	254.24	58.20	55.82	31.80	-1.00
09	294.50	58.20	55.74	31.80	-1.00
10	324.80	58.20	55.66	31.80	-1.00
11	364.00	58.20	55.58	31.80	-1.00
12	394.24	58.20	55.50	31.80	-1.00
13	424.48	58.20	55.42	31.80	-1.00
14	454.52	58.20	55.34	31.80	-1.00

DEPTH FEET	TEMPERATURE °F	SALINITY ‰	O ₂ DO PPM	pH	TURBIDITY NTU
00	64.0	58.20	56.48	31.80	-1.00
01	54.25	58.20	56.48	31.80	-1.00
02	64.50	58.20	56.30	31.80	-1.00
03	64.75	58.20	56.22	31.80	-1.00
04	134.12	58.20	56.14	31.80	-1.00
05	166.40	58.20	56.06	31.80	-1.00
06	196.50	58.20	55.98	31.80	-1.00
07	224.00	58.20	55.90	31.80	-1.00
08	254.24	58.20	55.82	31.80	-1.00
09	294.50	58.20	55.74	31.80	-1.00
10	324.80	58.20	55.66	31.80	-1.00
11	364.00	58.20	55.58	31.80	-1.00
12	394.24	58.20	55.50	31.80	-1.00
13	424.48	58.20	55.42	31.80	-1.00
14	454.52	58.20	55.34	31.80	-1.00

RECORD DATE: 07-11-0

DATE: SEPTEMBER 1974

STATION: 52 PIER J BETWEEN BERTHS 244 & 245

DEPTH FEET	TEMPERATURE °C	SALINITY ‰	O.D.P. PPM	PH BLU CONC	TURBIDITY X
00	0.0	19.30	33.40	8.60	61.00
01	3.28	19.70	33.40	8.60	55.00
02	6.56	19.10	33.50	8.63	62.00
03	9.84	19.70	33.60	8.60	66.00
04	13.12	19.40	33.60	8.60	78.00
05	16.40	19.40	33.60	8.60	67.00
06	19.68	19.10	33.60	8.60	58.00
07	22.96	19.00	33.50	8.60	68.00
08	26.24	19.70	33.60	8.60	71.00
09	29.52	17.30	33.14	33.60	7.70
10	32.80	19.40	33.60	8.60	76.00
11	36.08	19.40	33.60	8.60	60.00
12	39.36	19.40	33.60	8.60	61.00
13	42.64	19.40	33.60	8.60	75.00
14	45.92	19.40	33.60	8.60	31.00
15	49.20	19.40	33.60	8.60	7.52
					25.00

DATE: NOVEMBER 1974

STATION: 52 PIER J BETWEEN BERTHS 244 & 245

DEPTH FEET	TEMPERATURE °C	SALINITY ‰	O.D.P. PPM	PH BLU CONC	TURBIDITY X
00	0.0	19.00	33.60	8.60	61.00
01	3.14	19.40	33.60	8.60	55.00
02	6.31	19.40	33.60	8.60	62.00
03	9.49	19.40	33.60	8.60	66.00
04	12.67	19.40	33.60	8.60	78.00
05	15.85	19.40	33.60	8.60	67.00
06	19.03	19.40	33.60	8.60	58.00
07	22.21	19.40	33.60	8.60	68.00
08	25.39	19.40	33.60	8.60	71.00
09	28.57	19.40	33.60	8.60	7.50
10	31.75	19.40	33.60	8.60	4.00
11	34.93	19.40	33.60	8.60	7.00
12	38.11	19.40	33.60	8.60	4.00
13	41.29	19.40	33.60	8.60	7.00
14	44.47	19.40	33.60	8.60	4.00
15	47.65	19.40	33.60	8.60	7.00
					25.00

DATE: OCTOBER 1974

STATION: 52 PIER J BETWEEN BERTHS 244 & 245

DEPTH FEET	TEMPERATURE °C	SALINITY ‰	O.D.P. PPM	PH BLU CONC	TURBIDITY X
00	0.0	19.40	33.40	8.60	60.00
01	3.28	19.80	33.40	8.60	75.00
02	6.56	19.20	33.40	8.60	72.00
03	9.84	19.10	33.40	8.60	66.00
04	13.12	19.20	33.50	8.60	80.00
05	16.40	19.20	33.50	8.60	65.00
06	19.68	19.20	33.50	8.60	62.00
07	22.96	19.20	33.50	8.60	68.00
08	26.24	19.20	33.50	8.60	58.00
09	29.52	19.20	33.50	8.60	60.00
10	32.80	19.20	33.50	8.60	52.00
11	36.08	19.20	33.50	8.60	51.00
12	39.36	19.20	33.50	8.60	54.00
13	42.64	19.20	33.50	8.60	56.00
14	45.92	19.20	33.50	8.60	51.00
15	49.20	19.20	33.50	8.60	7.52
					25.00

DATE: DECEMBER 1974

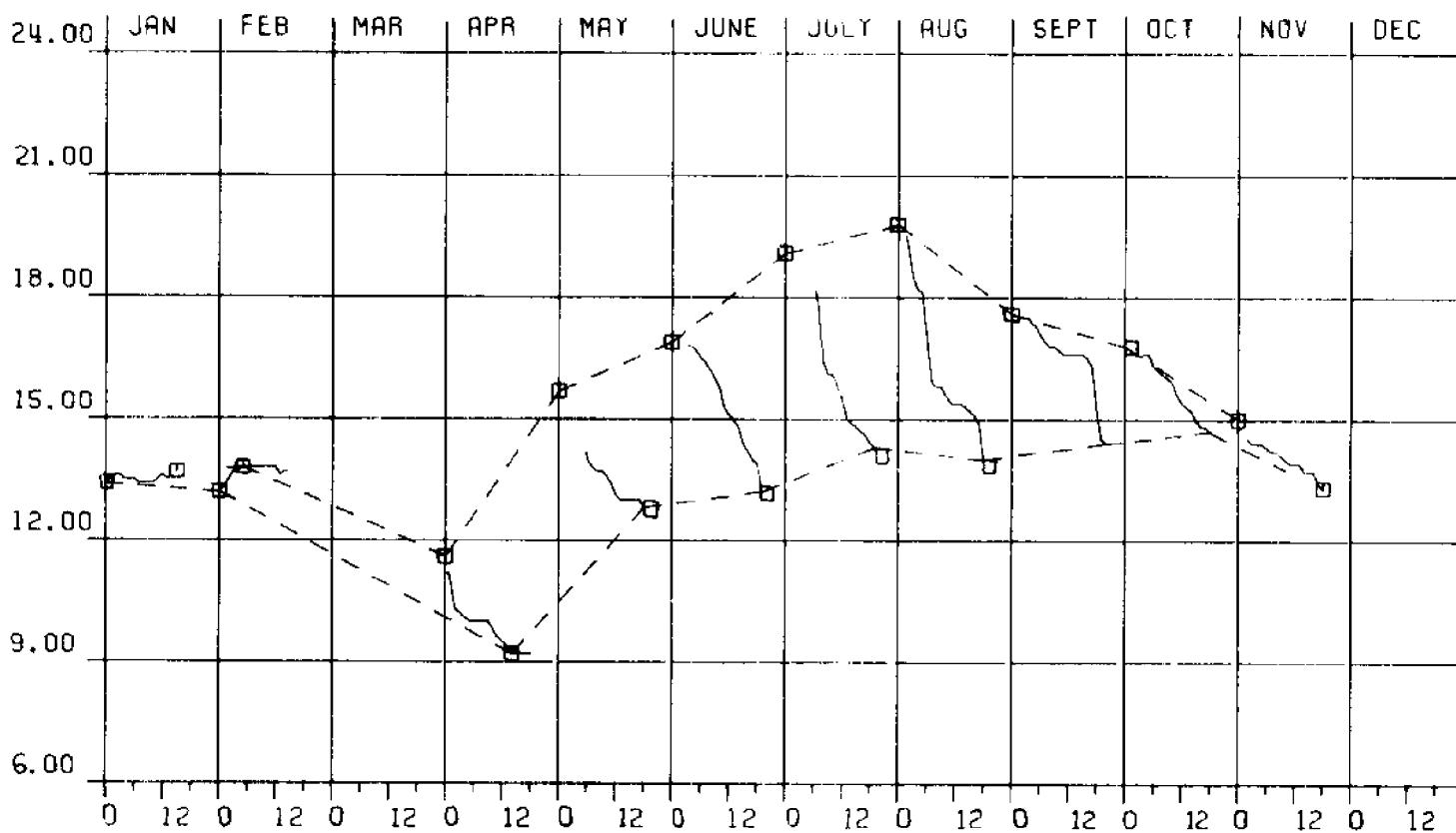
STATION: 52 PIER J BETWEEN BERTHS 244 & 245

DEPTH FEET	TEMPERATURE °C	SALINITY ‰	O.D.P. PPM	PH BLU CONC	TURBIDITY X
00	0.0	19.40	33.40	8.60	60.00
01	3.14	19.80	33.40	8.60	55.00
02	6.31	19.40	33.40	8.60	62.00
03	9.49	19.40	33.40	8.60	66.00
04	12.67	19.40	33.40	8.60	78.00
05	15.85	19.40	33.40	8.60	67.00
06	19.03	19.40	33.40	8.60	58.00
07	22.21	19.40	33.40	8.60	68.00
08	25.39	19.40	33.40	8.60	71.00
09	28.57	19.40	33.40	8.60	7.50
10	31.75	19.40	33.40	8.60	4.00
11	34.93	19.40	33.40	8.60	7.00
12	38.11	19.40	33.40	8.60	4.00
13	41.29	19.40	33.40	8.60	7.00
14	44.47	19.40	33.40	8.60	4.00
15	47.65	19.40	33.40	8.60	7.00
					25.00

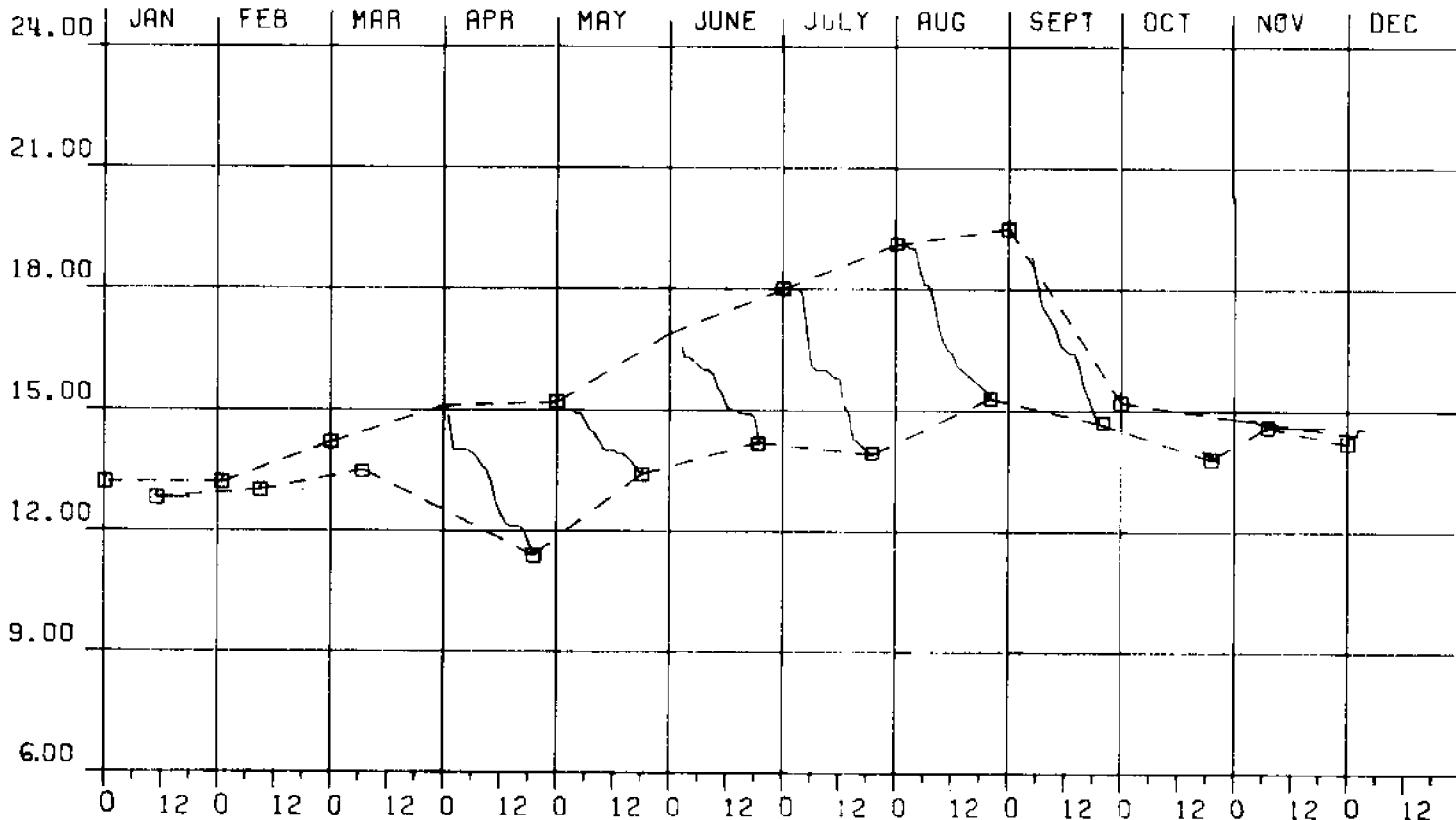
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MISSING DATA VALUE IS -1.0

B3 LB "A" BUOY
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



B3 LB "A" BUOY
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

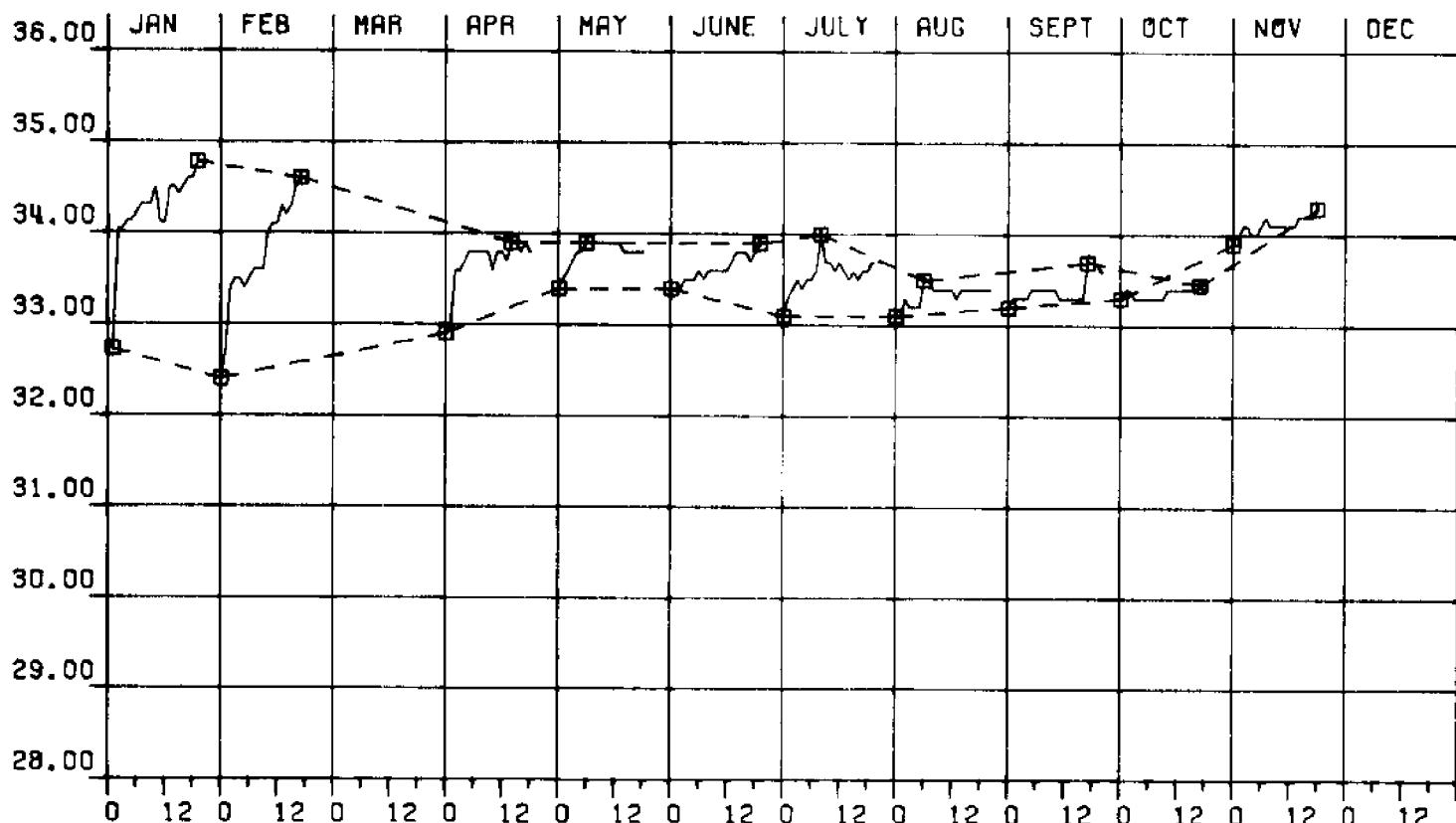


B3 LB "A" BUOY

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. SALINITY PPT

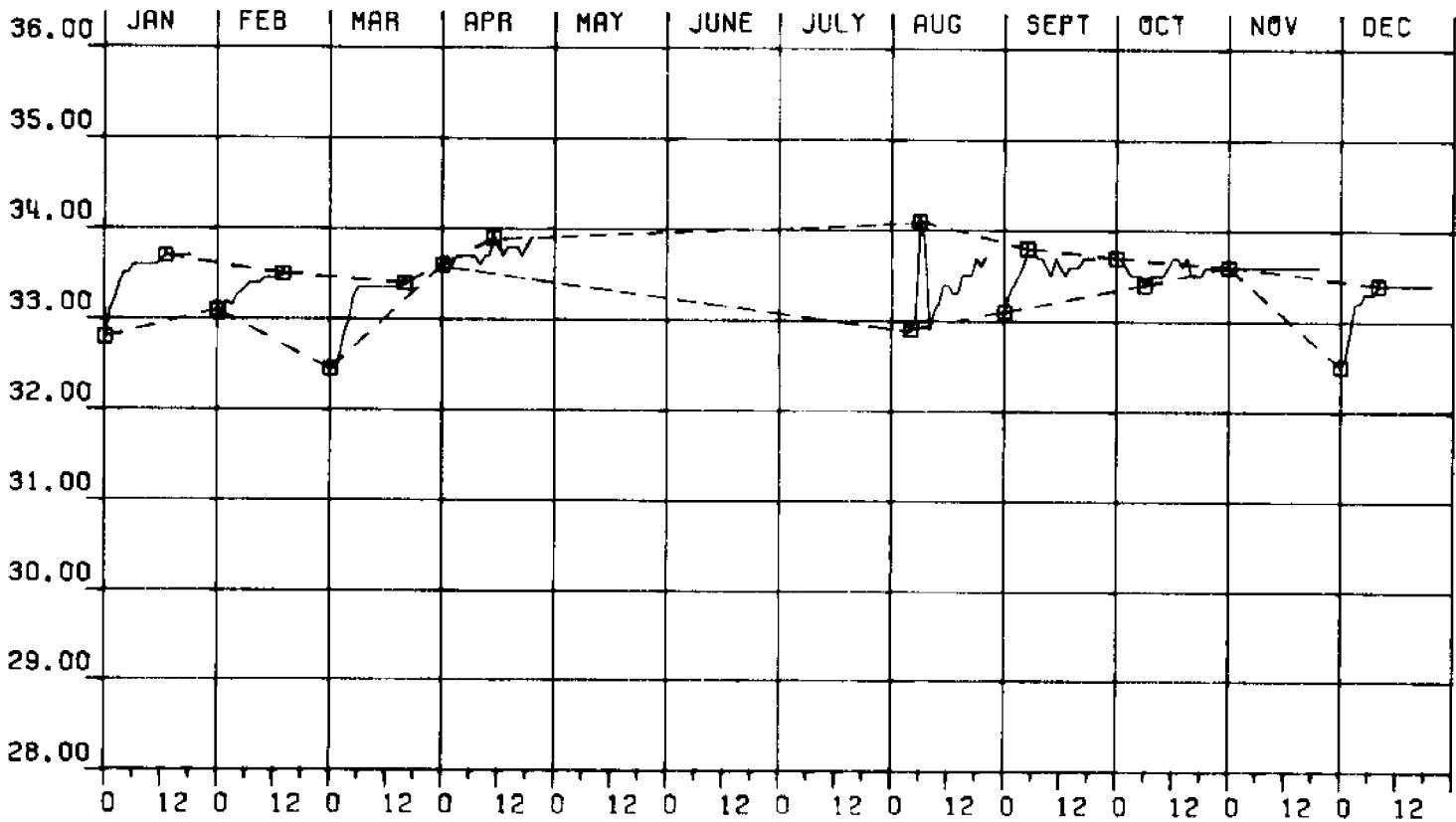


B3 LB "A" BUOY

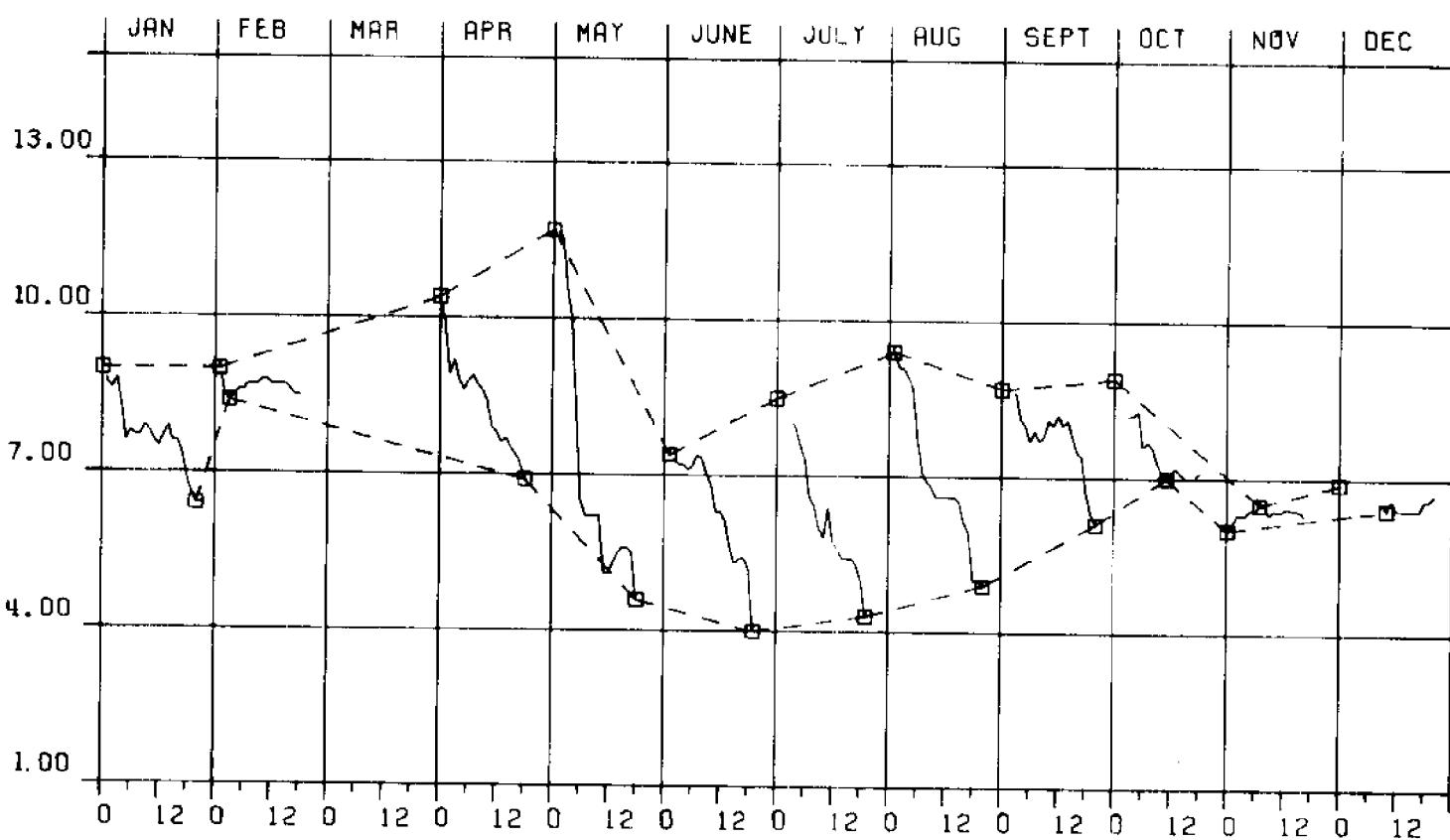
DATE: 1974

EACH SUBGRAPH BY MONTH

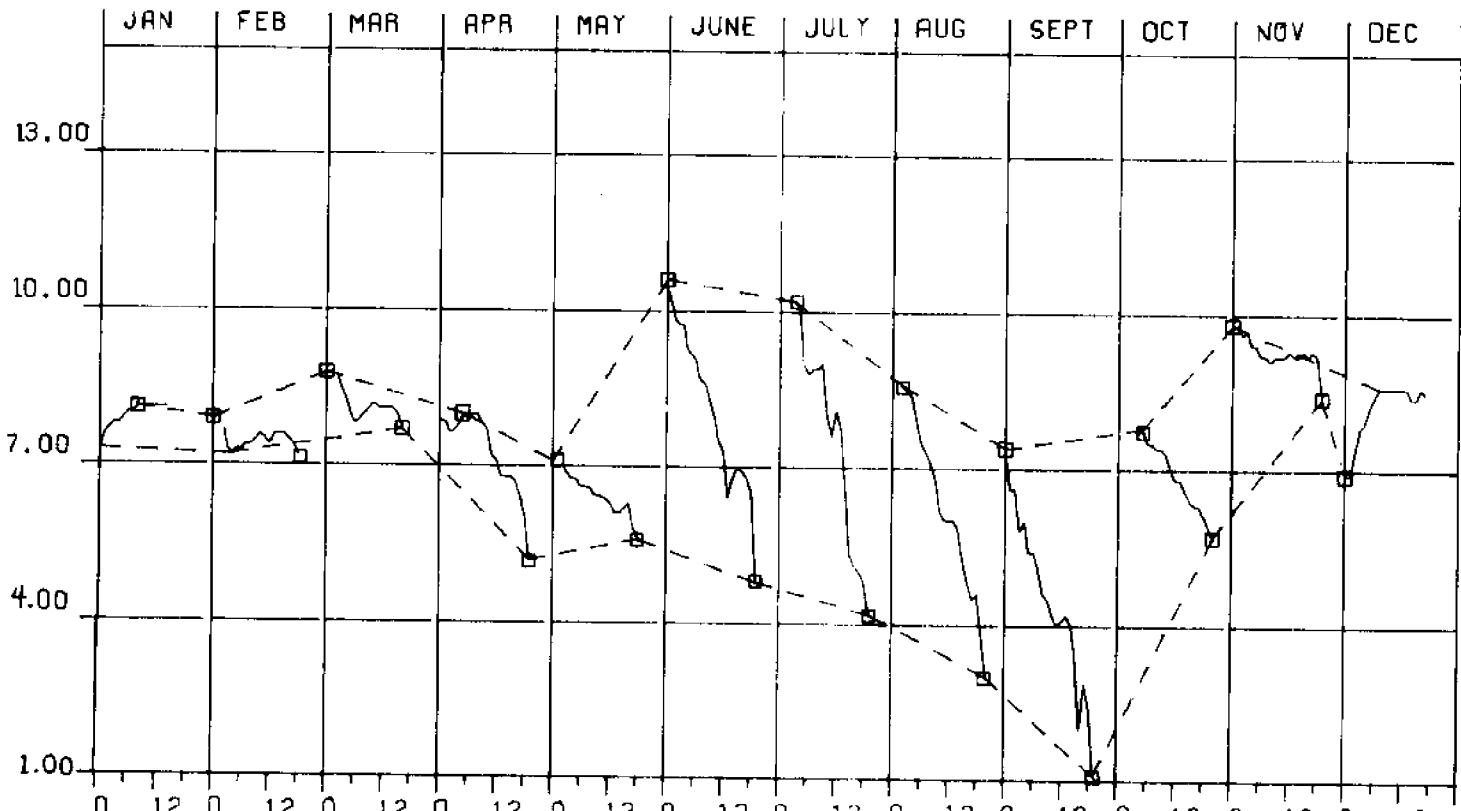
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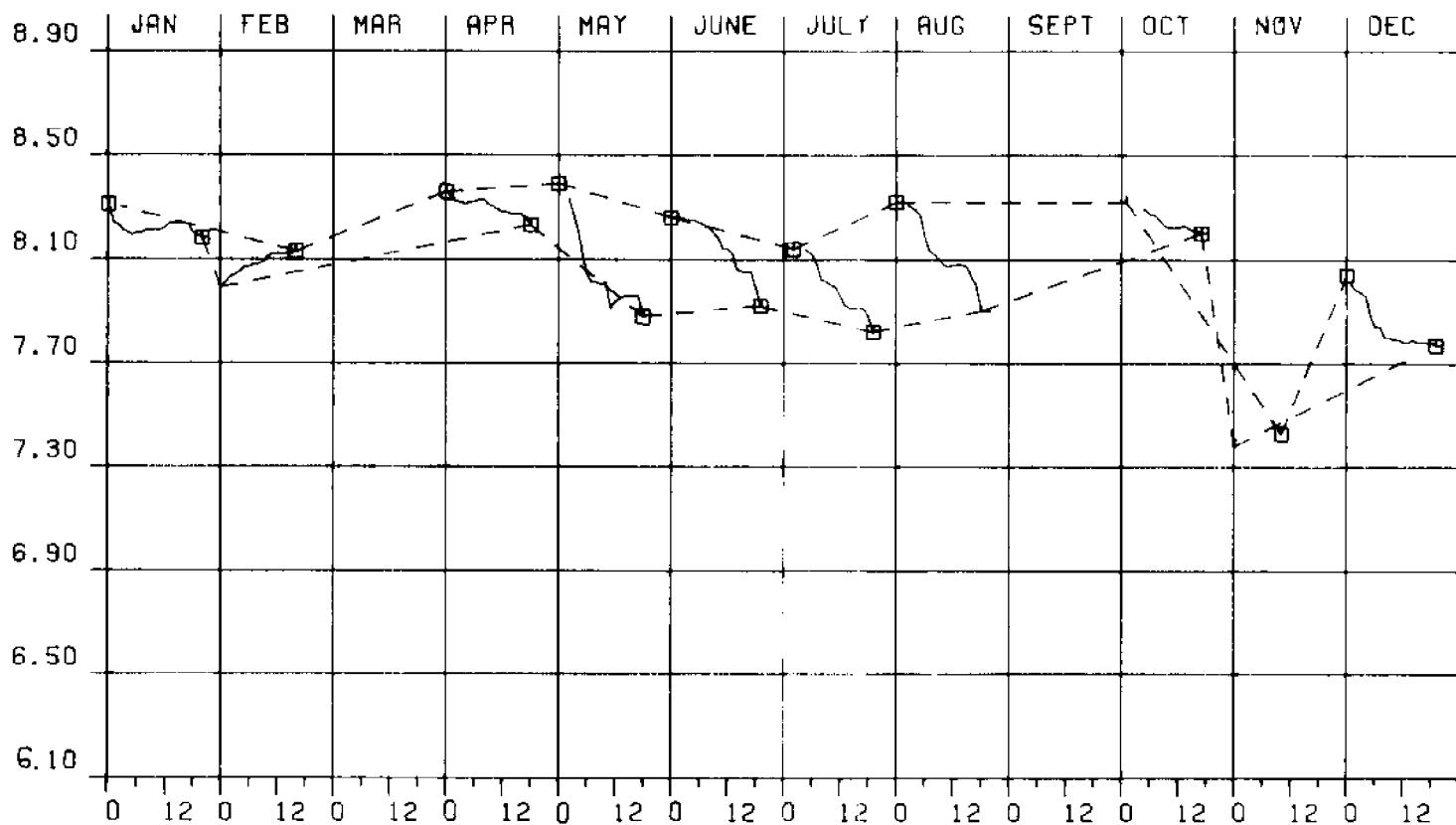
B3 LB "A" BUOY
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



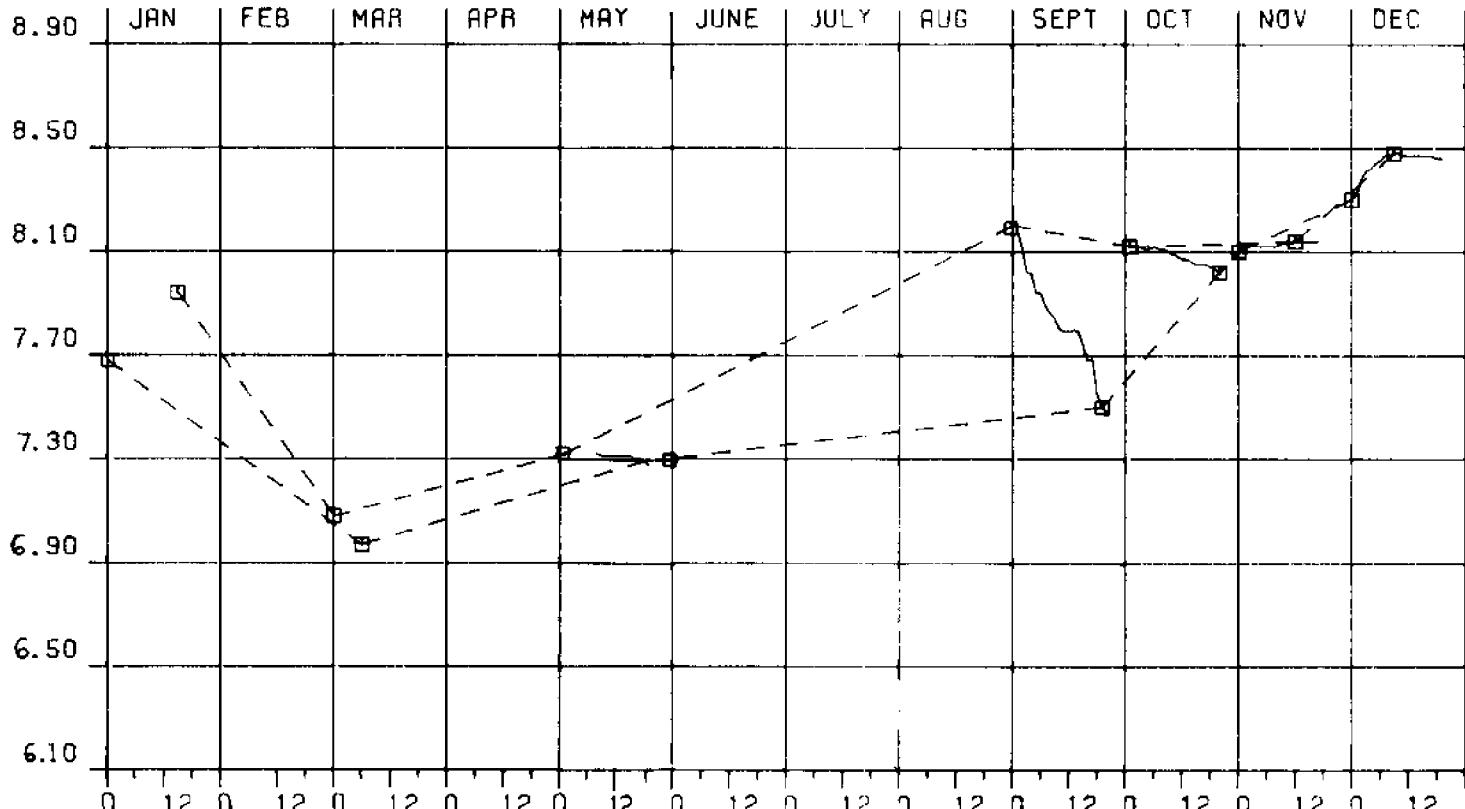
B3 LB "A" BUOY
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



B3 LB "A" BUOY
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



B3 LB "A" BUOY
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: JANUARY 1973

STATION: 83 LB "A" BUOY

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC.	TURBIDITY
00	0.0	13.40	36.12	8.00	8.11	-1.00
01	3.24	13.50	36.20	8.00	8.24	-1.00
02	6.56	13.60	36.28	8.04	8.36	-1.00
03	9.88	13.60	36.32	8.04	8.41	-1.00
04	13.12	13.50	36.30	8.00	8.20	-1.00
05	16.44	13.40	36.30	8.00	8.21	-1.00
06	19.68	13.40	36.30	7.80	8.20	-1.00
07	22.90	13.40	36.32	7.70	8.20	-1.00
08	26.24	13.40	36.32	7.70	8.21	-1.00
09	29.48	13.40	36.32	7.90	8.21	-1.00
10	32.80	13.40	36.32	7.80	8.21	-1.00
11	36.04	13.50	36.30	36.11	7.69	8.21
12	39.28	13.60	36.38	36.11	7.63	8.22
13	42.52	13.60	36.30	36.50	7.70	8.24
14	45.76	13.60	36.38	36.51	7.90	8.24
15	49.00	13.70	36.60	36.42	7.60	8.24
16	52.24	13.70	36.70	36.51	7.60	8.24
17	55.48	13.70	36.60	36.60	7.60	8.24
18	58.72	13.70	36.60	36.60	8.23	-1.00
19	62.96	13.70	36.60	36.60	8.20	-1.00
20	66.20	13.80	36.30	36.78	8.40	8.18
21	68.44	13.80	36.70	36.78	8.40	8.18

DATE: MARCH 1973

STATION: 83 LB "A" BUOY

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC.	TURBIDITY
00	0.0	13.40	36.12	8.40	8.40	-1.00
01	3.28	13.20	35.76	32.90	9.50	8.22
02	6.56	13.30	35.94	32.90	9.40	8.22
03	9.84	13.10	35.58	33.10	9.40	8.22
04	13.12	13.10	35.58	33.10	9.40	8.22
05	16.40	13.10	35.58	33.10	9.50	8.22
06	19.68	13.10	35.58	33.10	9.50	8.22
07	22.96	13.00	35.40	33.20	9.50	8.22
08	26.24	13.00	35.40	33.20	9.50	8.22
09	29.52	13.00	35.40	33.20	9.40	8.22
10	32.80	13.00	35.40	33.20	9.20	8.21
11	36.08	13.00	35.40	33.20	9.00	8.21
12	39.36	13.00	35.40	33.20	8.90	8.21
13	42.64	13.00	35.40	33.20	9.00	8.21
14	45.92	13.00	35.40	33.20	9.00	8.21
15	49.20	13.00	35.40	33.20	8.90	8.21
16	52.48	13.00	35.40	33.30	8.90	8.21
17	55.76	13.00	35.40	33.30	8.90	8.21
18	59.04	13.00	35.40	33.30	8.90	8.21

DATE: APRIL 1973

STATION: 83 LB "A" BUOY

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC.	TURBIDITY
00	0.0	11.60	32.98	32.90	10.40	8.30
01	3.24	11.60	31.90	33.00	9.90	8.30
02	6.56	10.30	30.54	33.60	8.90	8.30
03	9.84	10.20	30.76	32.80	9.20	8.30
04	13.12	10.10	30.18	33.70	8.80	8.30
05	16.40	10.00	30.60	33.60	8.60	8.32
06	19.68	10.00	30.60	33.60	8.60	8.32
07	22.96	10.00	30.40	33.80	8.80	8.32
08	26.24	10.00	30.40	33.80	8.90	8.32
09	29.52	10.00	30.40	33.80	8.90	8.32
10	32.80	10.00	30.40	33.80	8.70	8.33
11	36.08	10.00	30.40	33.80	8.60	8.34
12	39.36	10.00	30.40	33.80	8.60	8.34
13	42.64	10.00	30.40	33.80	8.60	8.34
14	45.92	10.00	30.40	33.80	8.60	8.34
15	49.20	10.00	30.40	33.80	8.60	8.34
16	52.48	10.00	30.40	33.80	8.60	8.34
17	55.76	10.00	30.40	33.80	8.60	8.34
18	59.04	10.00	30.40	33.80	8.60	8.34

MISSING DATA VALUE IS -1.0

DATE: MAY 1973								
STATION: R3		LB. MAN BODY						
DEPTH METERS	FEET	TEMPERATURE C	SALINITY P	O.D2 0/200 PPM	PH	TURBIDITY M.ION CONC.		
00	0.0	15.70	33.40	11.70	8.39	95.00		
01	3.28	15.60	33.50	11.70	8.36	95.00		
02	6.56	15.50	33.60	11.50	8.34	90.00		
03	9.84	15.40	33.70	10.50	8.28	90.00		
04	13.12	15.20	33.80	10.00	8.21	90.00		
05	16.40	14.80	33.64	33.80	8.20	8.13	90.00	
06	19.68	14.00	33.90	6.50	8.04	94.00		
07	22.96	13.80	33.84	33.00	8.02	94.00		
08	26.24	13.70	33.66	33.90	8.01	94.00		
09	29.52	13.70	33.66	33.90	8.00	94.00		
10	32.80	13.60	33.48	33.90	8.01	94.00		
11	36.08	13.40	33.12	33.90	8.10	7.91	-1.00	
12	39.36	13.10	33.58	33.90	8.10	7.94	-1.00	
13	42.64	13.00	33.40	33.90	8.30	7.95	-1.00	
14	45.92	13.00	33.40	33.80	8.50	7.96	-1.00	
15	49.20	13.00	33.40	33.80	8.60	7.96	-1.00	
16	52.48	13.00	33.40	33.80	8.60	7.96	-1.00	
17	55.76	13.00	33.40	33.80	8.50	7.96	-1.00	
18	59.04	12.80	33.04	33.80	8.60	7.88	-1.00	

DATE: JULY 1973								
STATION: R3		LB. MAN BODY						
DEPTH METERS	FEET	TEMPERATURE C	SALINITY P	O.D2 0/200 PPM	PH	TURBIDITY M.ION CONC.		
00	0.0	19.10	33.10	8.50	8.12	91.00		
01	3.28	19.00	33.30	8.40	8.13	-1.00		
02	6.56	19.00	33.40	8.40	8.14	-1.00		
03	9.84	18.80	33.50	8.10	8.14	-1.00		
04	13.12	18.60	33.40	7.90	8.14	-1.00		
05	16.40	18.50	33.50	7.60	8.13	-1.00		
06	19.68	18.40	33.50	7.70	8.12	-1.00		
07	22.96	17.80	33.60	6.60	8.08	-1.00		
08	26.24	16.40	33.60	6.40	8.02	-1.00		
09	29.52	16.10	33.70	6.00	8.01	-1.00		
10	32.80	16.10	33.70	5.80	8.03	9.00	-1.00	
11	36.08	15.80	33.60	6.40	7.99	-1.00		
12	39.36	15.50	33.70	5.70	7.96	-1.00		
13	42.64	15.00	33.60	5.60	7.92	-1.00		
14	45.92	14.90	33.60	5.60	7.91	-1.00		
15	49.20	14.80	33.60	5.60	7.91	-1.00		
16	52.48	14.70	33.60	5.40	7.91	-1.00		
17	55.76	14.60	33.60	5.30	7.91	-1.00		
18	59.04	14.40	33.60	5.20	7.88	-1.00		

DATE: JUNE 1973								
STATION: R3		LB. MAN BODY						
DEPTH METERS	FEET	TEMPERATURE C	SALINITY P	O.D2 0/200 PPM	PH	TURBIDITY M.ION CONC.		
00	0.0	16.90	32.42	33.40	7.20	8.26	74.00	
01	3.28	16.90	32.42	33.40	7.20	8.26	75.00	
02	6.56	16.90	32.42	33.40	7.30	8.26	76.50	
03	9.84	16.80	32.24	33.50	7.20	8.25	77.00	
04	13.12	16.80	32.24	33.50	7.20	8.25	77.00	
05	16.40	16.70	32.06	33.50	7.10	8.25	77.00	
06	19.68	16.50	31.70	33.60	7.20	8.24	77.00	
07	22.96	16.40	31.52	33.60	7.40	8.23	77.00	
08	26.24	16.20	31.16	33.60	7.30	8.22	76.00	
09	29.52	16.00	30.80	33.60	7.00	8.20	76.00	
10	32.80	15.80	30.44	33.60	6.80	8.18	75.00	
11	36.08	15.30	30.54	33.60	6.30	8.14	72.50	
12	39.36	15.10	30.18	33.60	6.30	8.14	71.00	
13	42.64	15.00	30.00	33.70	6.10	8.12	69.00	
14	45.92	14.80	30.64	33.80	5.60	8.05	71.00	
15	49.20	14.60	30.92	33.80	5.30	8.05	73.00	
16	52.48	14.70	30.56	33.80	5.40	8.05	74.50	
17	55.76	14.60	30.20	33.70	5.40	8.05	73.00	
18	59.04	13.90	30.02	33.80	5.20	7.99	70.50	
19	62.32	13.20	30.76	33.80	4.00	7.92	69.50	

DATE: AUGUST 1973								
STATION: R3		LB. MAN BODY						
DEPTH METERS	FEET	TEMPERATURE C	SALINITY P	O.D2 0/200 PPM	PH	TURBIDITY M.ION CONC.		
00	0.0	19.60	32.64	33.10	9.20	8.32	-1.00	
01	3.28	19.80	32.64	33.10	9.40	8.32	-1.00	
02	6.56	19.30	32.74	33.30	9.10	8.32	-1.00	
03	9.84	18.50	32.50	33.20	9.10	8.30	-1.00	
04	13.12	18.20	32.76	33.20	8.90	8.29	-1.00	
05	16.40	18.10	32.68	33.20	8.70	8.27	-1.00	
06	19.68	17.00	32.60	33.50	7.70	8.19	-1.00	
07	22.96	15.90	32.62	33.50	7.10	8.13	-1.00	
08	26.24	15.40	32.44	33.40	6.90	8.12	-1.00	
09	29.52	15.00	32.44	33.40	6.80	8.10	-1.00	
10	32.80	15.00	32.08	33.40	6.80	8.08	-1.00	
11	36.08	15.40	31.40	33.40	6.60	8.07	-1.00	
12	39.36	15.40	31.72	33.40	6.50	8.08	-1.00	
13	42.64	15.40	31.40	33.70	6.14	8.08	-1.00	
14	45.92	15.30	31.54	33.40	6.60	8.08	-1.00	
15	49.20	15.20	31.20	33.40	6.50	8.07	-1.00	
16	52.48	15.10	31.18	33.40	6.10	8.03	-1.00	
17	55.76	14.90	31.42	33.40	5.90	8.00	-1.00	
18	59.04	14.90	31.40	33.40	5.00	7.90	-1.00	
19	62.32	14.60	31.00	31.40	4.90	7.90	-1.00	

MISSING DATA VALUE IS -1.0

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1973

STATION: B3 LB TAN BUOY

DEPTH METERS FEET	TEMPERATURE C F	SALINITY ‰/‰	D.O2 PPM	PH	TURBIDITY %		
00	0.0	17.60	33.66	73.20	8.70	-1.00	80.00
01	3.26	17.60	33.66	73.30	8.50	-1.00	78.00
02	6.52	17.60	33.66	73.30	8.70	-1.00	80.50
03	9.78	17.60	33.66	73.30	8.60	-1.00	82.00
04	13.12	17.40	33.32	73.30	8.10	-3.00	82.50
05	16.40	17.30	33.14	73.40	8.00	-1.00	82.00
06	19.64	17.10	62.78	33.40	7.70	-1.00	80.00
07	22.90	16.90	62.42	33.40	7.90	-1.00	79.00
08	26.24	16.80	62.24	33.40	7.70	-1.00	79.00
09	29.52	16.80	62.24	33.40	7.80	-1.00	80.00
10	32.80	16.70	62.06	33.40	8.10	-1.00	81.00
11	36.08	16.60	61.88	33.30	8.00	-1.00	82.00
12	39.36	16.60	61.88	33.30	8.20	-1.00	82.00
13	42.64	16.60	61.88	33.30	8.00	-1.00	82.00
14	45.92	16.60	61.88	33.30	8.10	-1.00	82.00
15	49.20	16.60	61.88	33.30	7.80	+1.00	82.00
16	52.48	16.50	61.70	33.30	7.50	-1.00	82.50
17	55.76	16.30	61.34	33.70	7.40	+1.00	83.00
18	59.04	16.20	59.36	33.70	6.70	-1.00	79.00
19	62.32	16.50	58.10	33.70	6.30	-1.00	69.00
20	65.60	16.40	57.92	33.60	6.10	-1.00	67.00

DATE: NOVEMBER 1973

STATION: B3 LB TAN BUOY

DEPTH METERS FEET	TEMPERATURE C F	SALINITY ‰/‰	D.O2 PPM	PH	TURBIDITY %		
00	0.0	15.00	59.00	73.90	8.00	7.38	81.00
01	3.24	14.90	58.82	73.90	8.10	7.19	83.00
02	6.50	14.50	58.10	73.10	8.30	7.40	84.00
03	9.44	14.40	57.92	74.10	8.30	7.40	85.00
04	13.12	14.40	57.92	74.00	8.30	7.40	86.00
05	16.40	14.40	57.92	74.00	8.40	7.40	86.00
06	19.68	14.30	57.74	74.10	8.40	7.42	87.00
07	22.96	14.20	57.56	74.20	8.50	7.42	87.00
08	26.24	14.20	57.56	74.10	8.50	7.42	87.00
09	29.52	14.10	57.38	74.10	8.30	7.42	88.00
10	32.80	14.00	57.20	74.10	8.40	7.43	88.00
11	36.08	13.90	57.02	74.10	8.35	7.43	87.50
12	39.36	13.90	57.02	74.10	8.45	7.43	87.00
13	42.64	13.70	56.66	74.20	8.40	7.43	87.00
14	45.92	13.70	56.66	74.20	8.40	7.43	86.00
15	49.20	13.70	56.66	74.20	8.40	7.43	86.00
16	52.48	13.60	56.12	74.20	8.20	7.43	82.50
17	55.76	13.60	56.12	74.20	8.20	7.42	80.50
18	59.04	13.50	55.94	74.30	8.20	7.42	80.50

DATE: DECEMBER 1973

STATION: B3 LB TAN BUOY

DEPTH METERS FEET	TEMPERATURE C F	SALINITY ‰/‰	D.O2 PPM	PH	TURBIDITY %		
00	0.0	-1.00	-1.00	-1.00	6.90	8.00	83.00
01	3.24	-1.00	-1.00	-1.00	6.80	8.00	85.00
02	6.50	-1.00	-1.00	-1.00	6.70	7.98	85.00
03	9.44	-1.00	-1.00	-1.00	6.80	7.97	85.00
04	13.12	-1.00	-1.00	-1.00	6.80	7.96	86.00
05	16.40	-1.00	-1.00	-1.00	6.60	7.88	86.00
06	19.68	-1.00	-1.00	-1.00	6.60	7.84	86.00
07	22.96	-1.00	-1.00	-1.00	6.60	7.84	85.00
08	26.24	-1.00	-1.00	-1.00	6.60	7.80	85.00
09	29.52	-1.00	-1.00	-1.00	6.50	7.80	84.50
10	32.80	-1.00	-1.00	-1.00	6.40	7.79	84.00
11	36.08	-1.00	-1.00	-1.00	6.60	7.79	84.00
12	39.36	-1.00	-1.00	-1.00	6.60	7.79	84.00
13	42.64	-1.00	-1.00	-1.00	6.60	7.78	85.00
14	45.92	-1.00	-1.00	-1.00	6.60	7.78	84.00
15	49.20	-1.00	-1.00	-1.00	6.60	7.78	82.00
16	52.48	-1.00	-1.00	-1.00	6.60	7.77	81.00
17	55.76	-1.00	-1.00	-1.00	6.70	7.77	-1.00
18	59.04	-1.00	-1.00	-1.00	6.70	7.77	-1.00

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

DATE: JANUARY 1974

STATION: H3 LB TAN BUOY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY	D.O2 PPM	PH	TURBIDITY
				‰		M.ION CONC	%
00	0.0	13.20	55.76	32.80	7.30	7.68	87.50
01	3.28	13.10	55.58	32.10	7.60	7.75	86.50
02	6.56	11.00	55.40	32.20	7.70	7.79	84.50
03	9.84	13.00	55.40	32.40	7.80	7.83	82.00
04	13.12	13.00	55.40	32.50	7.80	7.84	82.00
05	16.40	12.90	55.22	32.50	7.90	7.86	82.50
06	19.68	12.90	55.22	32.60	8.00	7.88	84.00
07	22.96	12.90	55.22	32.60	8.00	7.89	84.00
08	26.24	12.90	55.22	32.60	8.10	7.90	84.00
09	29.52	12.90	55.22	32.60	8.10	7.91	84.00
10	32.80	12.90	55.22	32.60	8.10	7.92	84.50
11	36.08	12.80	55.04	32.60	8.10	7.92	84.00
12	39.36	12.80	55.04	32.65	8.10	7.93	84.00
13	42.64	12.80	55.04	32.70	8.10	7.93	84.50
14	45.92	12.80	55.04	32.70	8.10	7.93	84.50
15	49.20	12.80	55.04	32.70	8.10	7.94	83.00
16	52.48	12.80	55.04	32.70	8.10	7.94	82.00
17	55.76	12.80	55.04	32.75	8.10	7.94	81.50
18	59.04	12.80	55.04	32.70	8.10	7.94	79.00

DATE: MARCH 1974

STATION: H3 LB TAN BUOY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY	D.O2 PPM	PH	TURBIDITY
				‰		M.ION CONC	%
00	0.0	14.20	57.56	32.45	8.40	7.04	69.00
01	3.28	14.20	57.56	32.45	8.40	7.04	81.50
02	6.56	14.10	57.38	32.60	8.40	7.06	84.00
03	9.84	14.00	57.20	32.85	8.40	7.04	84.50
04	13.12	13.80	56.88	33.00	8.30	7.02	85.00
05	16.40	13.70	56.68	33.25	8.00	6.99	84.00
06	19.68	13.60	56.48	33.35	7.80	6.97	84.50
07	22.96	13.50	56.30	33.35	7.90	6.99	82.50
08	26.24	13.50	56.30	33.35	8.00	6.99	82.50
09	29.52	13.50	56.30	33.35	8.10	7.01	82.50
10	32.80	13.50	56.30	33.35	8.20	7.02	82.00
11	36.08	13.50	56.30	33.35	8.10	7.02	80.00
12	39.36	13.50	56.30	33.35	8.10	7.02	80.00
13	42.64	13.50	56.30	33.35	8.10	7.02	79.00
14	45.92	13.50	56.30	33.35	8.10	7.02	78.00
15	49.20	13.50	56.30	33.35	8.00	7.00	77.50
16	52.48	13.50	56.30	33.40	7.70	6.99	76.50

DATE: APRIL 1974

STATION: H3 LB TAN BUOY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY	D.O2 PPM	PH	TURBIDITY
				‰		M.ION CONC	%
00	0.0	13.10	55.58	32.10	7.90	-1.00	-1.00
01	3.28	13.20	55.76	32.10	7.90	-1.00	-1.00
02	6.56	13.20	55.76	32.20	7.80	-1.00	-1.00
03	9.84	13.20	55.76	32.15	7.90	-1.00	-1.00
04	13.12	13.10	55.58	32.25	7.90	-1.00	-1.00
05	16.40	13.10	55.58	32.30	7.90	-1.00	-1.00
06	19.68	13.10	55.58	32.35	7.90	-1.00	-1.00
07	22.96	13.10	55.58	32.40	7.90	-1.00	-1.00
08	26.24	13.10	55.58	32.40	7.90	-1.00	-1.00
09	29.52	13.10	55.58	32.40	7.90	-1.00	-1.00
10	32.80	13.00	55.40	32.45	7.90	-1.00	-1.00
11	36.08	13.00	55.40	32.45	7.90	-1.00	-1.00
12	39.36	13.00	55.40	32.45	7.90	-1.00	-1.00
13	42.64	13.00	55.40	32.45	7.90	-1.00	-1.00
14	45.92	13.00	55.40	32.50	7.90	-1.00	-1.00
15	49.20	13.00	55.40	32.50	7.90	-1.00	-1.00
16	52.48	13.00	55.40	32.50	7.90	-1.00	-1.00
17	55.76	13.00	55.40	32.50	7.90	-1.00	-1.00
18	59.04	13.00	55.40	32.50	7.90	-1.00	-1.00

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY	D.O2 PPM	PH	TURBIDITY
				‰		M.ION CONC	%
00	0.0	15.10	56.58	32.60	7.40	-1.00	-1.00
01	3.28	14.80	56.04	32.70	7.80	-1.00	-1.00
02	6.56	14.00	57.20	32.60	7.60	-1.00	-1.00
03	9.84	14.00	57.20	32.70	7.60	-1.00	-1.00
04	13.12	14.00	57.20	32.70	7.60	-1.00	-1.00
05	16.40	14.00	57.20	32.70	8.00	-1.00	-1.00
06	19.68	14.00	57.20	32.70	8.00	-1.00	-1.00
07	22.96	13.80	56.84	32.70	8.00	-1.00	-1.00
08	26.24	13.60	56.48	32.60	8.00	-1.00	-1.00
09	29.52	13.50	56.30	32.70	7.80	-1.00	-1.00
10	32.80	13.50	56.30	32.70	7.70	-1.00	-1.00
11	36.08	13.50	56.30	32.70	7.70	-1.00	-1.00
12	39.36	13.50	56.30	32.70	7.70	-1.00	-1.00
13	42.64	13.50	56.30	32.70	7.70	-1.00	-1.00
14	45.92	13.50	56.30	32.70	7.70	-1.00	-1.00
15	49.20	13.50	56.30	32.70	7.70	-1.00	-1.00
16	52.48	13.50	56.30	32.70	7.70	-1.00	-1.00
17	55.76	13.50	56.30	32.70	7.70	-1.00	-1.00
18	59.04	13.50	56.30	32.70	7.70	-1.00	-1.00

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

DATE: MAY 1974							
STATION: H1 LB "A" BUOY							
DEPTH METERS FEET		TEMPERATURE C °E	SALINITY ‰	D.O. PPM	pH	TURBIDITY %	
00	0.0	15.20	31.75	7.10	7.31	64.50	
01	3.28	15.20	31.75	6.90	7.32	86.50	
02	6.56	15.00	31.80	7.10	7.32	87.00	
03	9.84	15.00	31.80	7.00	7.32	86.50	
04	13.12	14.90	31.82	6.80	7.32	86.00	
05	16.40	14.90	31.82	6.80	7.32	85.50	
06	19.68	14.70	31.90	6.60	7.32	84.00	
07	22.96	14.50	31.90	6.60	7.32	83.00	
08	26.24	14.40	31.92	6.60	7.32	82.00	
09	29.52	14.20	31.96	6.40	7.31	80.00	
10	32.80	14.00	31.90	6.40	7.31	79.00	
11	36.08	14.00	31.90	6.40	7.31	77.00	
12	39.36	14.00	31.90	6.30	7.31	76.50	
13	42.64	13.90	31.92	6.10	7.31	75.50	
14	45.92	13.90	31.85	6.10	7.31	74.00	
15	49.20	13.80	31.84	6.20	7.31	74.50	
16	52.48	13.70	31.86	6.30	7.30	73.50	
17	55.76	13.50	32.00	5.80	7.30	63.00	
18	59.04	13.40	32.02	5.60	7.29	59.50	

* Possible probe malfunction

DATE: JULY 1974							
STATION: H1 LB "A" BUOY							
DEPTH METERS FEET		TEMPERATURE C °E	SALINITY ‰	D.O. PPM	pH	TURBIDITY %	
00	0.0	14.00	34.40	64.40	10.10	10.10	
01	3.28	14.00	34.40	64.40	10.10	10.10	
02	6.56	14.00	34.40	64.40	10.10	10.10	
03	9.84	14.00	34.40	64.40	10.10	10.20	
04	13.12	14.00	34.40	64.22	10.10	10.10	
05	16.40	14.00	34.40	62.76	9.90	9.90	
06	19.68	14.00	34.40	62.76	9.80	9.80	
07	22.96	14.00	34.40	60.80	9.90	9.90	
08	26.24	14.00	34.40	60.80	9.90	9.90	
09	29.52	14.00	34.40	60.80	9.90	9.90	
10	32.80	14.00	34.40	60.62	9.90	9.90	
11	36.08	14.00	34.44	60.62	7.80	7.80	
12	39.36	14.00	34.44	60.62	8.10	8.10	
13	42.64	14.00	34.44	60.62	7.70	7.70	
14	45.92	14.00	34.42	60.62	6.50	6.50	
15	49.20	14.30	34.74	61.00	5.30	5.30	
16	52.48	14.20	34.76	61.00	5.10	5.10	
17	55.76	14.10	34.78	61.00	5.00	5.00	
18	59.04	14.00	34.80	57.20	4.80	4.80	

DATE: JUNE 1974							
STATION: H3 LB "A" BUOY							
DEPTH METERS FEET		TEMPERATURE C °E	SALINITY ‰	D.O. PPM	pH	TURBIDITY %	
00	0.0	16.90	32.42	30.90	10.60	-1.00	68.50
01	3.28	16.80	32.24	30.90	10.10	-1.00	78.00
02	6.56	16.80	32.24	30.90	10.10	-1.00	80.50
03	9.84	16.30	31.34	31.20	9.90	-1.00	84.00
04	13.12	16.30	31.34	31.20	9.50	-1.00	84.50
05	16.40	16.20	31.16	31.20	9.40	-1.00	83.00
06	19.68	16.10	30.99	31.30	9.20	-1.00	83.00
07	22.96	16.00	30.80	31.40	8.70	-1.00	82.00
08	26.24	16.00	30.80	31.40	8.60	-1.00	82.00
09	29.52	15.90	30.62	31.20	8.30	-1.00	81.50
10	32.80	15.60	30.08	31.40	8.00	-1.00	80.50
11	36.08	15.40	30.72	31.30	7.50	-1.00	78.00
12	39.36	15.10	30.18	31.50	7.30	-1.00	77.00
13	42.64	15.00	30.00	31.40	6.40	-1.00	74.50
14	45.92	15.00	30.00	31.40	6.80	-1.00	73.50
15	49.20	14.90	30.82	31.60	7.00	-1.00	73.50
16	52.48	14.90	30.82	31.60	6.90	-1.00	73.00
17	55.76	14.90	30.82	31.30	6.80	-1.00	68.00
18	59.04	14.80	30.64	31.50	6.50	-1.00	65.50
19	62.32	14.20	30.56	31.60	4.80	-1.00	61.00

* Possible probe malfunction

DATE: AUGUST 1974							
STATION: H3 LB "A" BUOY							
DEPTH METERS FEET		TEMPERATURE C °E	SALINITY ‰	D.O. PPM	pH	TURBIDITY %	
00	0.0	19.10	36.38	33.00	8.40	-1.00	82.00
01	3.25	19.10	36.38	33.00	8.40	-1.00	81.50
02	6.56	19.10	36.38	33.00	8.60	-1.00	77.50
03	9.84	19.00	36.20	33.00	8.50	-1.00	76.50
04	13.12	19.00	36.20	32.90	8.40	-1.00	76.00
05	16.40	18.50	36.30	33.00	7.90	-1.00	76.50
06	19.68	18.10	36.58	34.10	7.50	-1.00	77.00
07	22.96	18.10	36.58	33.90	7.50	-1.00	76.50
08	26.24	17.70	36.86	32.90	7.10	-1.00	78.00
09	29.52	17.10	37.27	33.10	6.80	-1.00	73.00
10	32.80	16.70	36.70	33.20	6.20	-1.00	68.00
11	36.08	16.50	36.70	33.40	6.00	-1.00	67.00
12	39.36	16.40	36.52	33.40	6.00	-1.00	65.00
13	42.64	16.30	36.30	33.30	6.00	-1.00	64.00
14	45.92	16.00	36.02	33.30	5.80	-1.00	62.50
15	49.20	15.90	36.20	33.10	5.80	-1.00	59.50
16	52.48	15.80	36.44	33.50	4.80	-1.00	57.50
17	55.76	15.70	36.26	33.50	4.50	-1.00	56.00
18	59.04	15.60	36.04	33.70	4.60	-1.00	55.00
19	62.32	15.50	36.54	33.70	4.00	-1.00	46.00

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

DATE: SEPTEMBER 1978

STATION: 93 LR MAH BUOY

DEPTH METERS	DEPTH FEET	TEMPERATURE		SALINITY	D.O2	PH	TURBIDITY
		C	F	‰	PPM	M.LON CONC	%
00	0.0	19.50	67.10	33.10	7.40	8.20	76.50
01	3.28	19.40	66.92	33.30	6.60	8.19	77.00
02	6.56	19.30	66.74	33.40	6.60	8.11	76.00
03	9.84	19.20	66.56	33.50	5.80	8.02	81.00
04	13.12	18.90	66.02	33.60	6.00	8.01	80.50
05	16.40	18.80	65.84	33.80	5.40	7.94	82.00
06	19.68	18.70	64.76	33.80	5.40	7.94	82.50
07	22.96	17.60	63.68	33.70	5.10	7.89	80.50
08	26.24	17.40	63.32	33.70	4.60	7.86	74.00
09	29.52	17.20	62.96	33.60	4.50	7.84	74.00
10	32.80	17.00	62.60	33.50	4.20	7.80	75.50
11	36.08	16.50	61.88	33.70	4.00	7.79	77.50
12	39.36	16.40	61.70	33.60	4.10	7.79	77.00
13	42.64	16.40	61.52	33.50	4.20	7.80	77.00
14	45.92	16.40	61.52	33.60	4.00	7.79	77.00
15	49.20	16.10	60.98	33.60	3.40	7.74	78.50
16	52.48	16.50	60.08	33.60	2.00	7.68	77.00
17	55.76	15.30	59.54	33.70	2.90	7.69	73.50
18	59.04	15.00	59.00	33.70	2.40	7.55	67.50
19	62.32	14.70	58.46	31.70	1.10	7.50	56.00

DATE: NOVEMBER 1978

STATION: 93 LR MAH BUOY

DEPTH METERS	DEPTH FEET	TEMPERATURE		SALINITY	D.O2	PH	TURBIDITY
		C	F	‰	PPM	M.LON CONC	%
00	0.0	14.80	58.64	33.60	9.80	8.10	85.00
01	3.28	14.80	58.64	33.60	9.80	8.12	89.00
02	6.56	14.80	58.64	33.60	9.80	8.12	86.50
03	9.84	14.80	58.64	33.60	9.70	8.13	86.00
04	13.12	14.80	58.64	33.60	9.40	8.12	86.00
05	16.40	14.70	58.46	33.60	9.40	8.12	84.50
06	19.68	14.70	58.46	33.60	9.20	8.12	82.50
07	22.96	14.60	58.28	33.60	9.20	8.12	81.50
08	26.24	14.60	58.28	33.60	9.10	8.12	81.00
09	29.52	14.60	58.28	33.60	9.20	8.13	81.00
10	32.80	14.60	58.28	33.60	9.20	8.13	81.00
11	36.08	14.60	58.28	33.60	9.20	8.13	79.00
12	39.36	14.60	58.28	33.60	9.30	8.14	79.50
13	42.64	14.60	58.28	33.60	9.20	8.14	79.50
14	45.92	14.60	58.28	33.60	9.20	8.14	77.50
15	49.20	14.60	58.28	33.60	9.30	8.14	77.50
16	52.48	14.60	58.28	33.60	9.20	8.14	77.00
17	55.76	14.60	58.28	33.60	9.30	8.14	77.00
18	59.04	14.60	58.28	33.60	9.20	8.14	77.00
19	62.32	14.60	58.28	33.60	8.40	8.14	76.00

DATE: OCTOBER 1978

STATION: 93 LR MAH BUOY

DEPTH METERS	DEPTH FEET	TEMPERATURE		SALINITY	D.O2	PH	TURBIDITY
		C	F	‰	PPM	M.LON CONC	%
00	0.0	15.20	59.36	33.70	7.60	8.11	61.50
01	3.28	15.10	59.18	33.70	7.60	8.12	68.50
02	6.56	15.20	59.36	33.50	7.60	8.12	72.50
03	9.84	15.20	59.36	33.50	7.60	8.12	72.00
04	13.12	15.10	59.18	33.50	7.70	8.11	72.00
05	16.40	15.10	59.18	33.50	7.60	8.11	72.00
06	19.68	15.10	59.18	33.40	7.50	8.12	71.50
07	22.96	15.00	59.00	33.50	7.50	8.11	70.50
08	26.24	15.00	59.00	33.50	7.40	8.11	71.00
09	29.52	14.90	58.82	33.50	7.40	8.10	71.50
10	32.80	14.80	58.64	33.50	7.30	8.09	71.00
11	36.08	14.50	58.10	33.60	7.00	8.08	68.50
12	39.36	14.30	57.74	33.70	6.80	8.07	64.50
13	42.64	14.30	57.74	33.70	6.80	8.07	63.50
14	45.92	14.20	57.56	33.60	6.60	8.06	61.50
15	49.20	14.10	57.38	33.70	6.40	8.05	66.50
16	52.48	14.00	57.20	33.50	6.30	8.05	63.00
17	55.76	14.00	57.20	33.50	6.30	8.05	49.50
18	59.04	13.80	57.20	33.50	6.10	8.04	48.00
19	62.32	13.80	56.84	33.60	5.90	8.03	43.00
20	65.60	13.80	56.84	33.60	5.70	8.02	-1.00

DATE: DECEMBER 1978

STATION: 93 LR MAH BUOY

DEPTH METERS	DEPTH FEET	TEMPERATURE		SALINITY	D.O2	PH	TURBIDITY
		C	F	‰	PPM	M.LON CONC	%
00	0.0	14.20	57.56	32.50	6.90	8.30	68.00
01	3.28	14.20	57.56	32.60	6.90	8.32	94.00
02	6.56	14.40	57.92	32.90	7.30	8.38	91.00
03	9.84	14.40	57.92	33.20	7.80	8.41	90.00
04	13.12	14.40	57.92	33.20	7.90	8.42	89.00
05	16.40	14.40	57.92	33.30	8.20	8.44	89.00
06	19.68	14.40	57.92	33.30	8.40	8.45	88.50
07	22.96	14.40	57.92	33.30	8.60	8.47	87.50
08	26.24	14.40	57.92	33.40	8.60	8.47	86.00
09	29.52	14.40	57.92	33.40	8.60	8.48	84.00
10	32.80	14.40	57.92	33.40	8.60	8.48	82.00
11	36.08	14.40	57.92	33.40	8.60	8.47	82.00
12	39.36	14.40	57.92	33.40	8.60	8.47	82.00
13	42.64	14.40	57.92	33.40	8.60	8.47	82.00
14	45.92	14.40	57.92	33.40	8.60	8.47	81.50
15	49.20	14.40	57.92	33.40	8.60	8.47	80.50
16	52.48	14.40	57.92	33.40	8.60	8.47	80.00
17	55.76	14.40	57.92	33.40	8.60	8.47	77.00
18	59.04	14.40	57.92	33.40	8.60	8.46	74.00
19	62.32	14.40	57.92	33.40	8.60	8.46	74.00

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

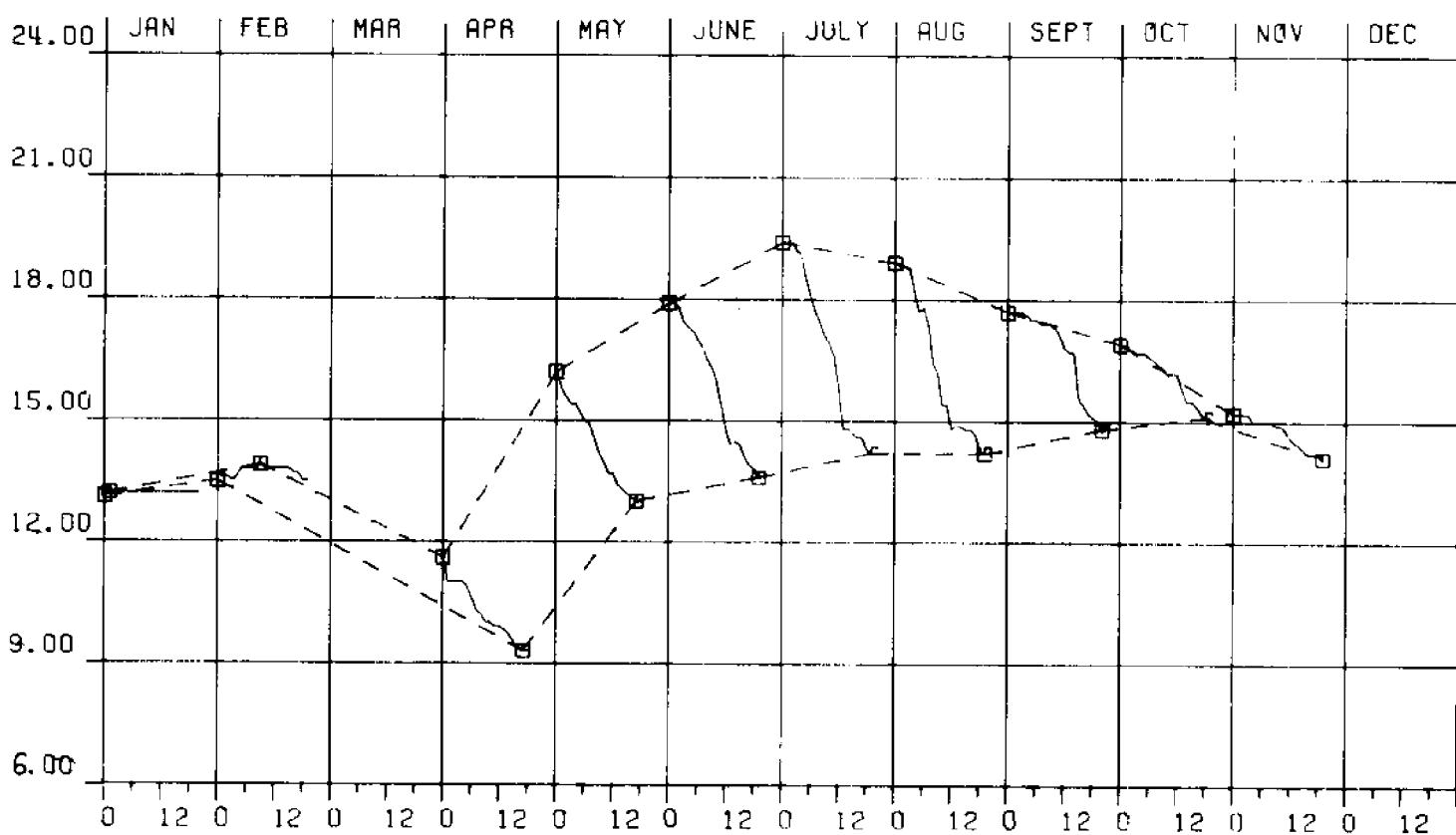
B4 LB "B" BUOY

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

51

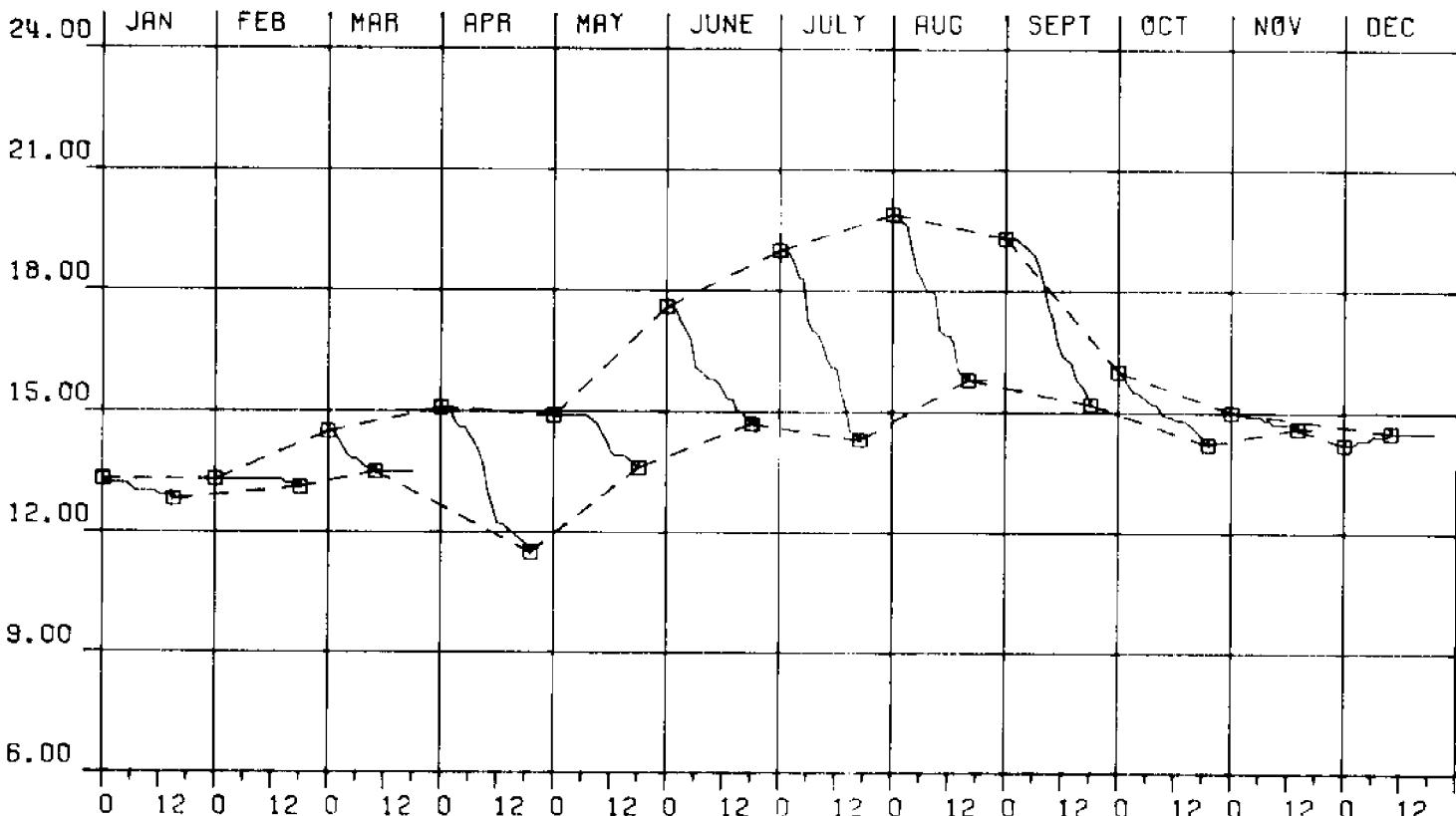


B4 LB "B" BUOY

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



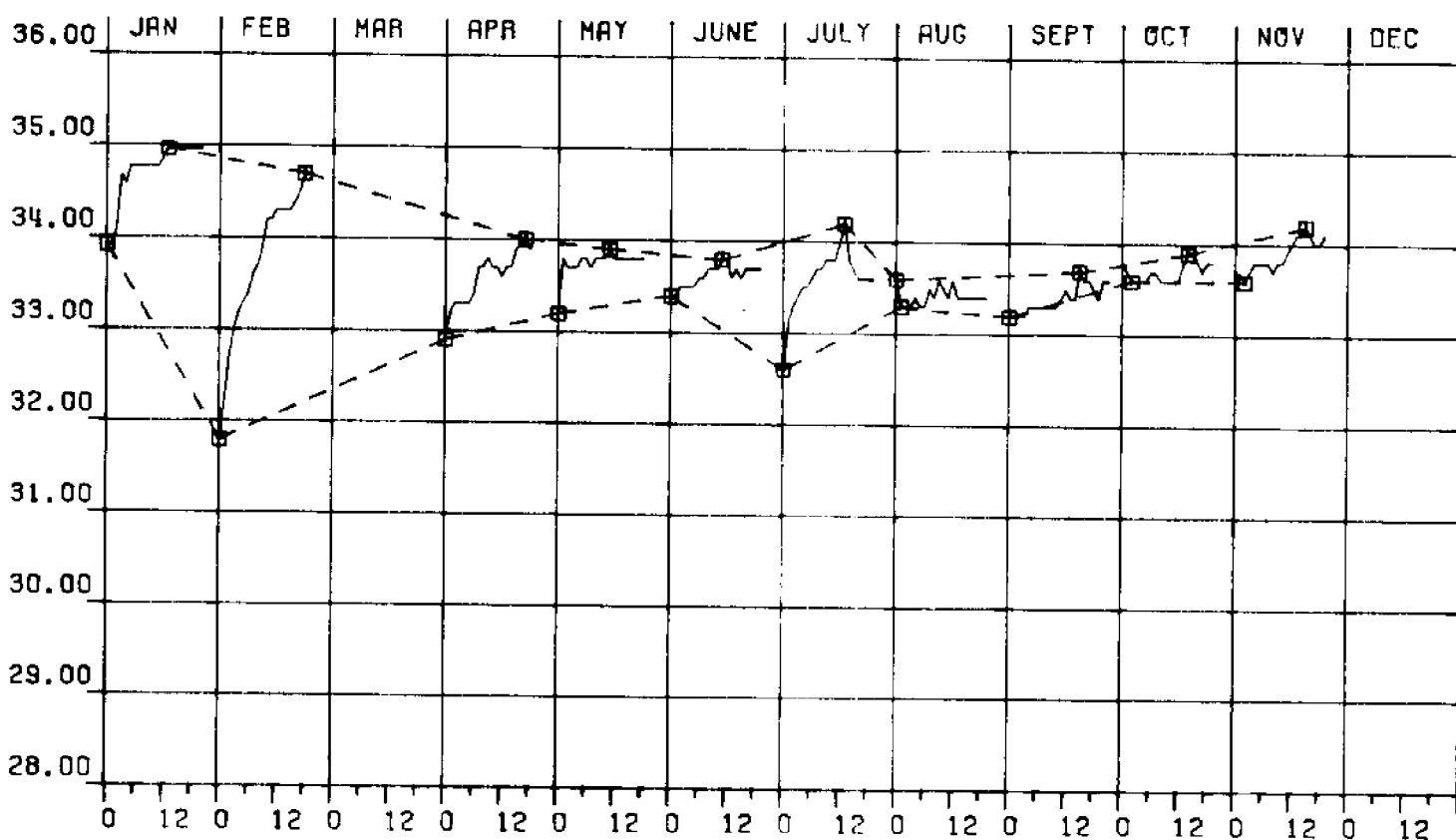
B4 LB "B" BUOY

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. SALINITY PPT

52

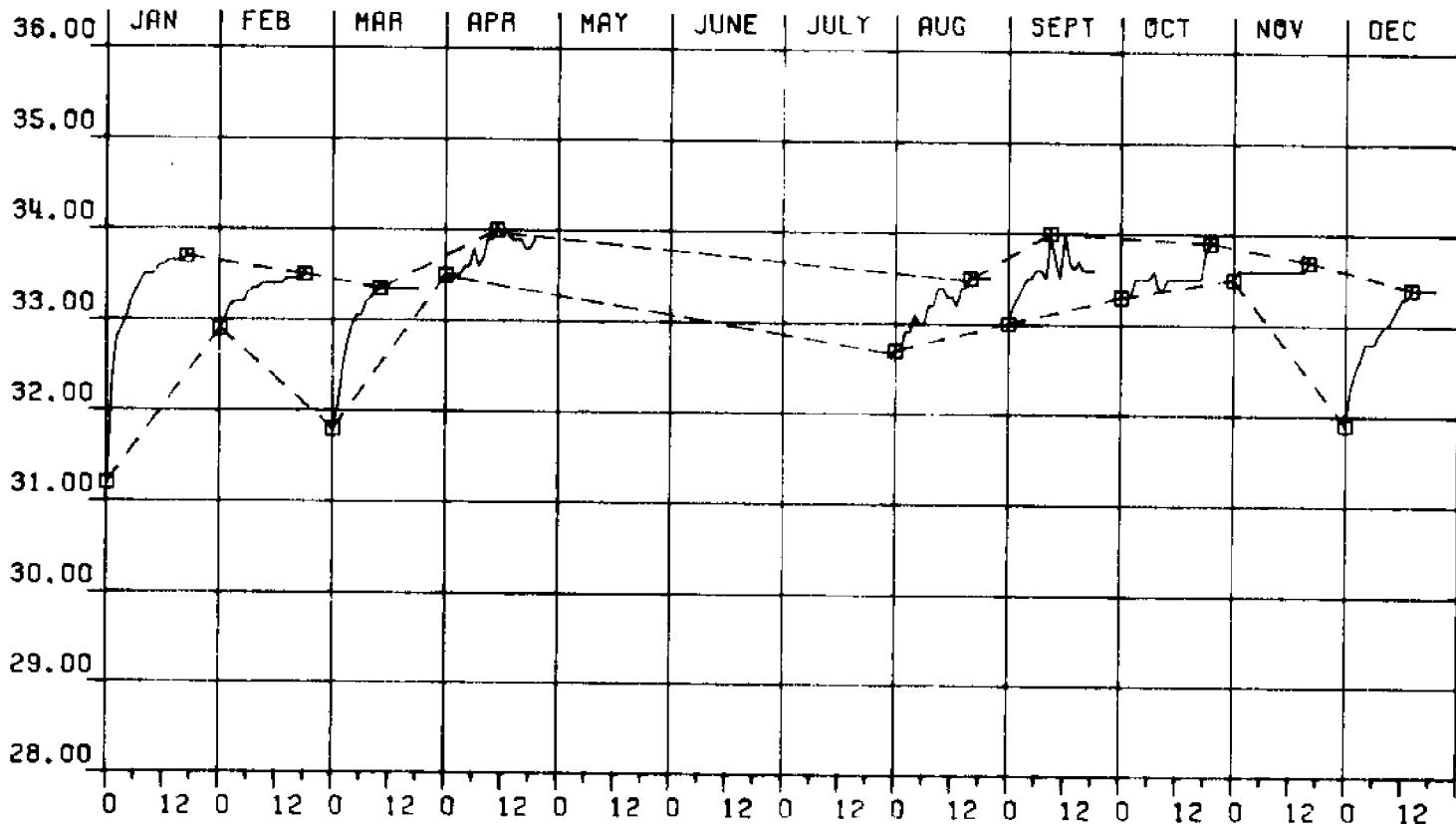


B4 LB "B" BUOY

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. SALINITY PPT



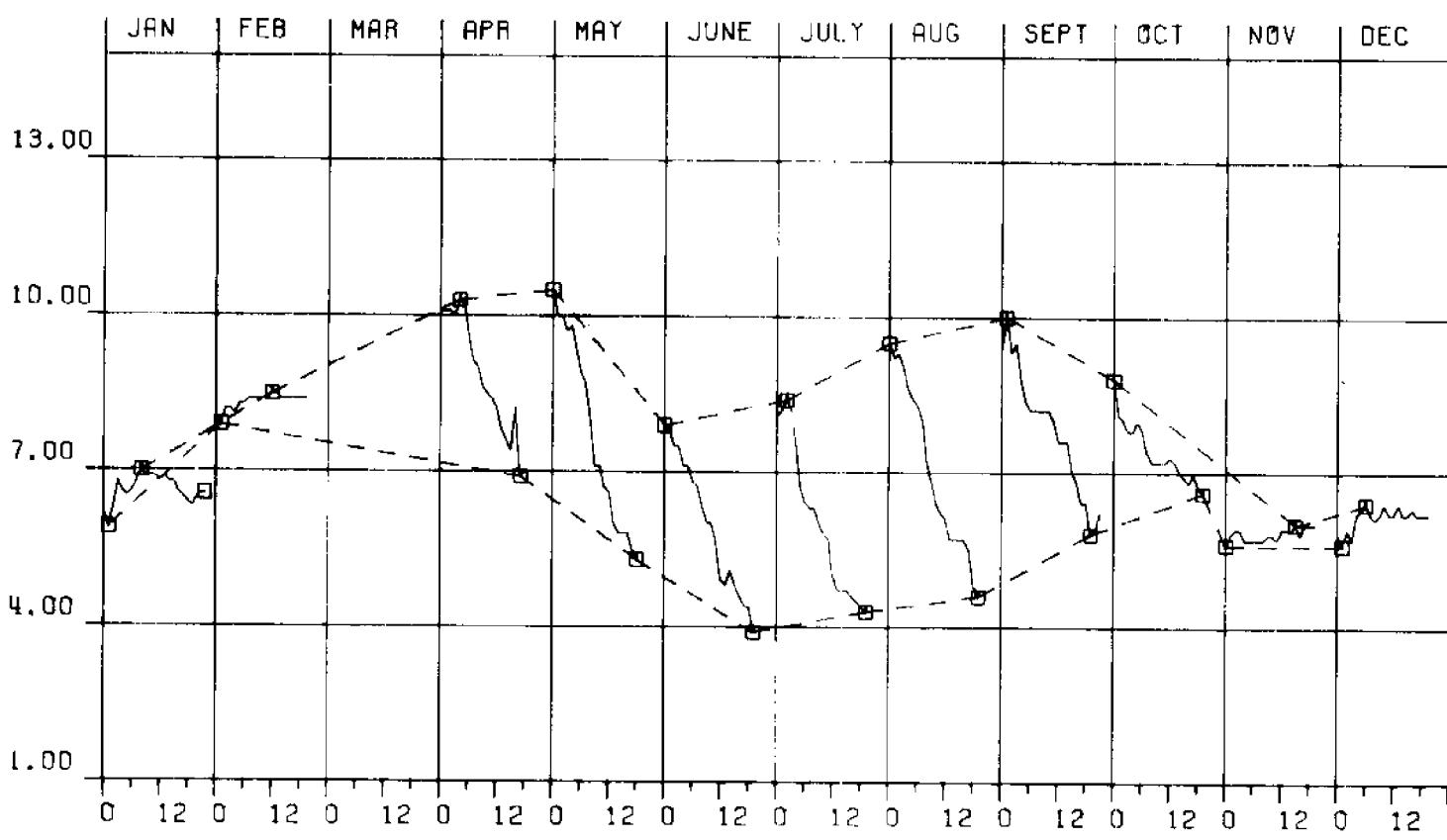
84 LB "B" BUOY

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM

53

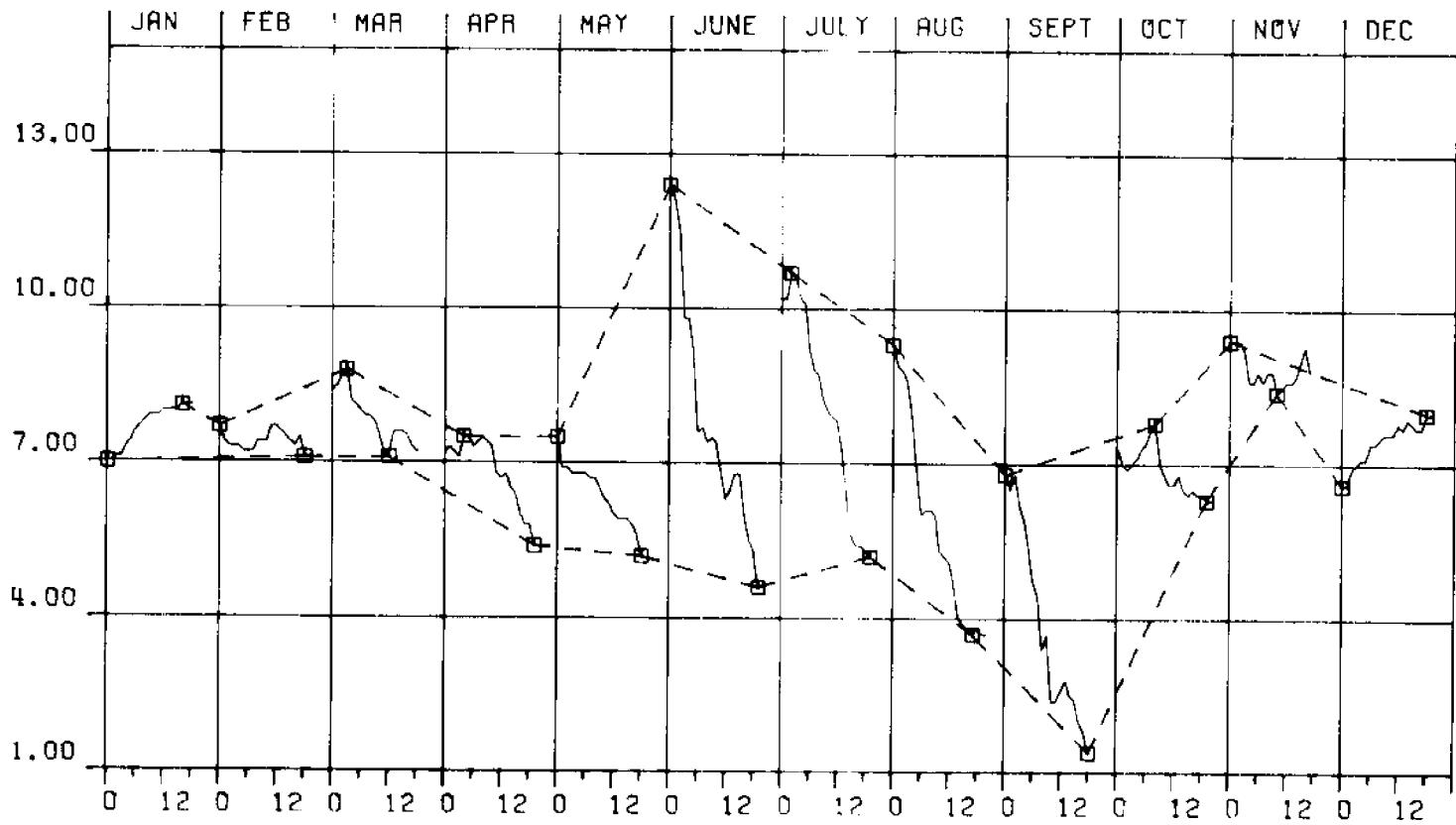


84 LB "B" BUOY

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



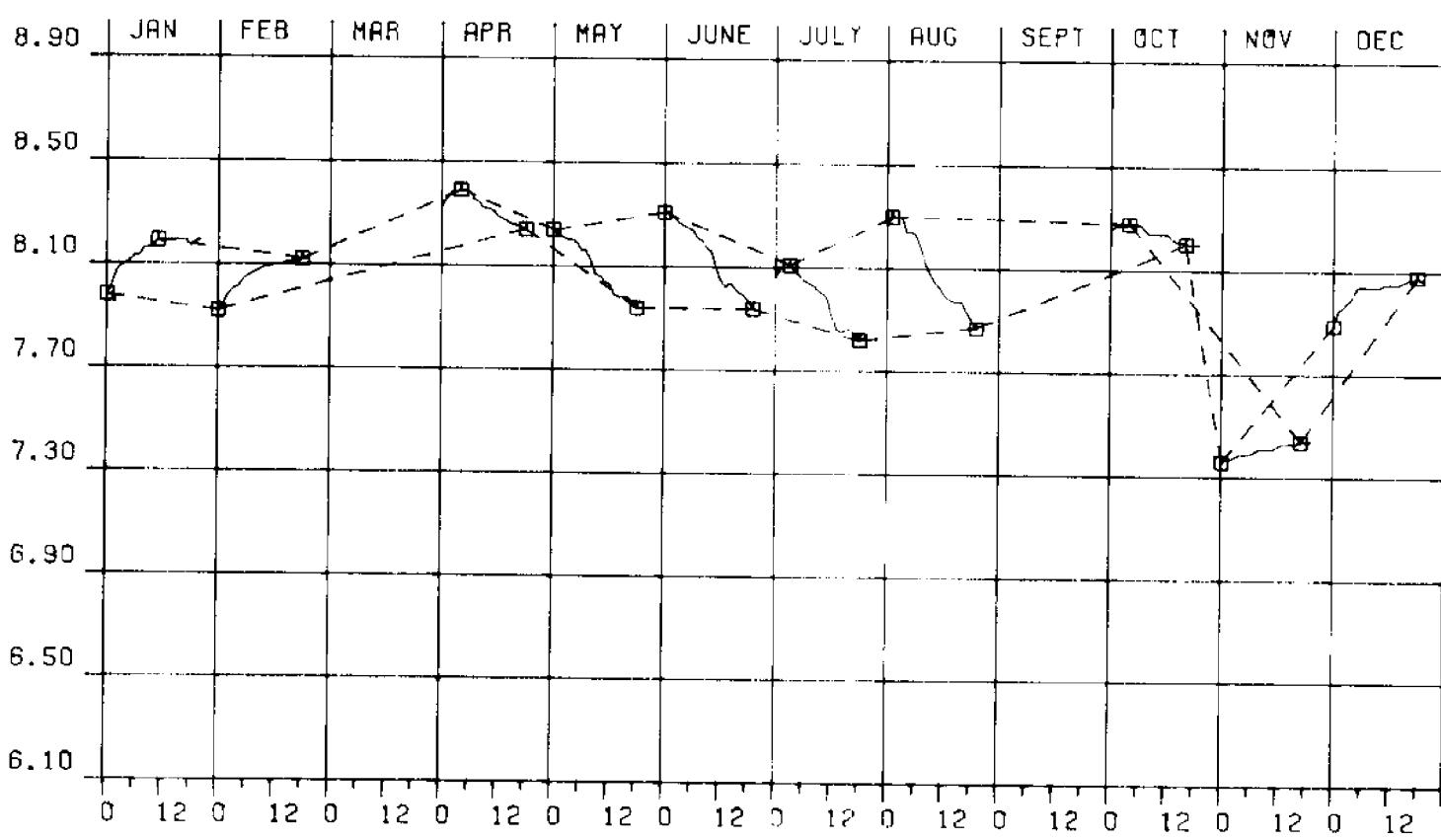
B4 LB "B" BUOY

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. PH H ION CONC

54

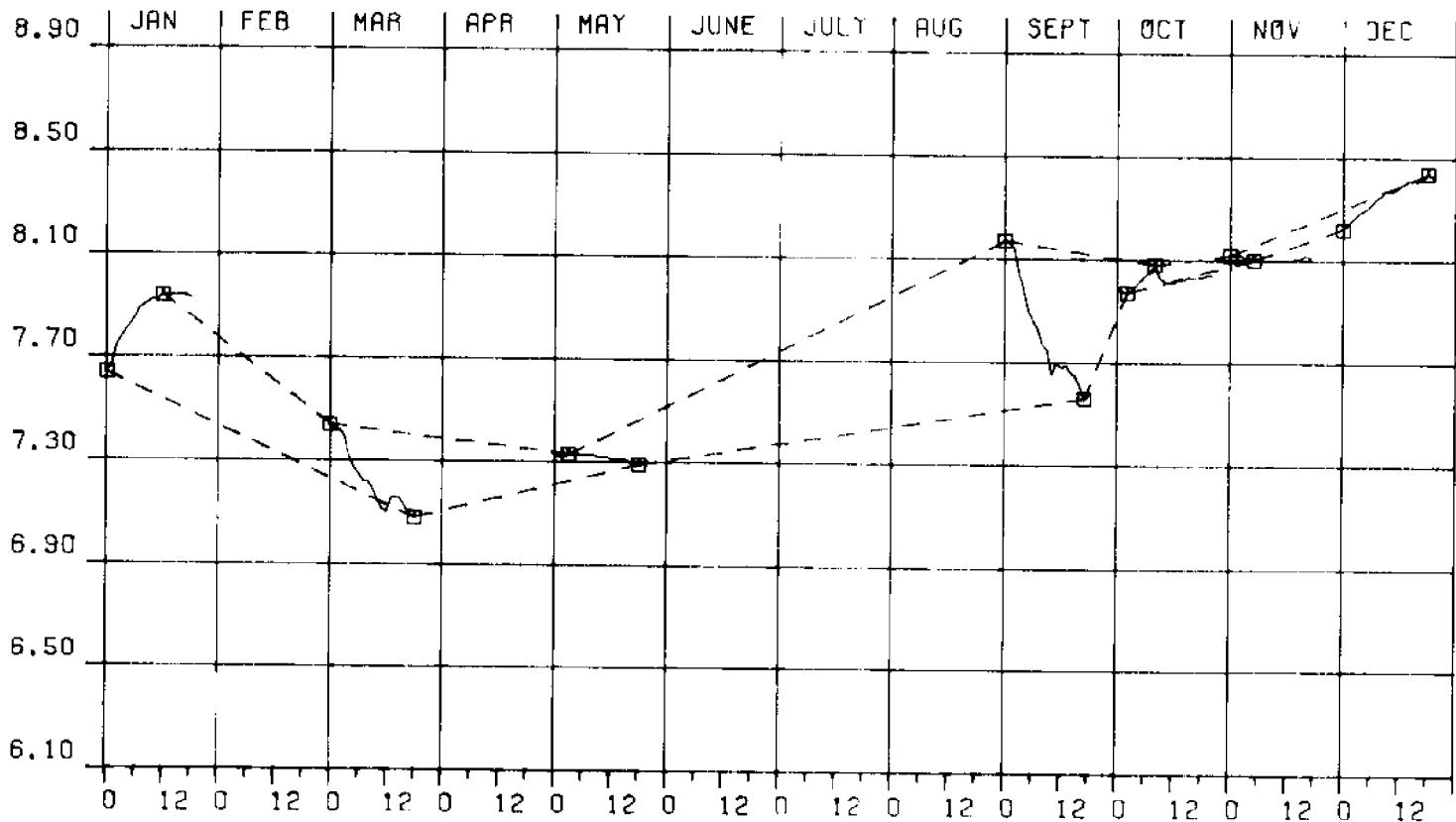


B4 LB "B" BUOY

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. PH H ION CONC



DATE: JANUARY 1973

STATION: 84 LB "B" BUOY

DEPTH METERS FEET	TEMPERATURE C F	SALINITY 0/00	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	13.10	55.58	33.92	6.20
01	3.28	13.20	55.76	33.92	6.20
02	6.56	13.20	55.76	34.11	6.30
03	9.84	13.10	55.58	34.67	6.80
04	13.12	13.20	55.76	34.58	6.60
05	16.40	13.20	55.76	34.72	6.50
06	19.68	13.20	55.76	34.77	6.60
07	22.96	13.20	55.76	34.77	6.80
08	26.24	13.20	55.76	34.77	7.00
09	29.52	13.20	55.76	34.77	6.90
10	32.80	13.20	55.76	34.77	6.90
11	36.08	13.20	55.76	34.77	6.90
12	39.36	13.20	55.76	34.88	6.80
13	42.64	13.20	55.76	34.96	6.80
14	45.92	13.20	55.76	34.96	6.80
15	49.20	13.20	55.76	34.96	6.80
16	52.48	13.20	55.76	34.96	6.80
17	55.76	13.20	55.76	34.96	6.50
18	59.04	13.20	55.76	34.96	6.40
19	62.32	13.20	55.76	34.96	6.30
20	65.60	13.20	55.76	34.96	6.50

DATE: MARCH 1973

STATION: 84 LB "B" BUOY

DEPTH METERS FEET	TEMPERATURE C F	SALINITY 0/00	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	13.60	56.48	32.20	9.20
01	3.28	13.50	56.50	32.40	9.20
02	6.56	13.50	55.94	32.60	9.40
03	9.84	13.20	55.76	32.80	9.50
04	13.12	13.10	55.58	32.90	9.50
05	16.40	13.10	55.58	32.90	9.40
06	19.68	13.10	55.58	33.00	9.50
07	22.96	13.10	55.58	33.10	9.50
08	26.24	13.20	55.76	33.10	9.00
09	29.52	13.30	55.94	33.00	8.90
10	32.80	13.30	55.94	33.10	8.80
11	36.08	13.20	55.76	33.20	8.70
12	39.36	13.20	55.76	33.30	8.60
13	42.64	13.20	55.76	33.30	8.60
14	45.92	13.20	55.76	33.40	8.60
15	49.20	13.20	55.76	33.40	8.60
16	52.48	13.20	55.76	33.50	8.60
17	55.76	13.20	55.76	33.50	8.40
18	59.04	13.10	55.58	33.70	8.10

DATE: FEBRUARY 1973

STATION: 84 LB "B" BUOY

DEPTH METERS FEET	TEMPERATURE C F	SALINITY 0/00	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	13.50	56.30	31.80	8.00
01	3.28	13.60	56.48	32.20	7.92
02	6.56	13.60	56.48	32.70	8.20
03	9.84	13.50	56.30	33.00	8.20
04	13.12	13.60	56.48	33.20	8.10
05	16.40	13.60	56.84	33.30	8.30
06	19.68	13.60	56.84	33.40	8.30
07	22.96	13.60	56.84	33.60	8.40
08	26.24	13.60	56.84	33.70	8.40
09	29.52	13.60	57.02	33.90	8.40
10	32.80	13.60	56.84	34.20	8.40
11	36.08	13.60	56.84	34.20	8.40
12	39.36	13.60	56.84	34.30	8.50
13	42.64	13.60	56.84	34.30	8.50
14	45.92	13.60	56.84	34.30	8.40
15	49.20	13.60	56.84	34.30	8.40
16	52.48	13.60	56.84	34.40	8.40
17	55.76	13.70	56.66	34.50	8.40
18	59.04	13.60	56.30	34.70	8.40
19	62.32	13.60	56.30	34.70	8.40

DATE: APRIL 1973

STATION: 84 LB "B" BUOY

DEPTH METERS FEET	TEMPERATURE C F	SALINITY 0/00	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	11.00	52.98	32.90	10.10
01	3.28	11.00	51.80	33.20	10.10
02	6.56	11.00	51.80	33.30	10.10
03	9.84	11.00	51.80	33.30	10.00
04	13.12	11.00	51.80	33.30	10.30
05	16.40	10.90	51.62	33.30	10.20
06	19.68	10.60	51.08	33.40	9.60
07	22.96	10.30	50.54	33.70	9.10
08	26.24	10.20	50.36	33.70	9.00
09	29.52	10.00	50.00	33.80	8.60
10	32.80	10.00	50.00	33.70	8.50
11	36.08	9.90	49.82	33.70	8.40
12	39.36	9.90	49.82	33.70	7.80
13	42.64	9.80	49.84	33.70	7.80
14	45.92	9.70	49.70	49.46	7.60
15	49.20	9.50	49.10	33.90	7.40
16	52.48	9.40	48.92	-1.00	8.26
17	55.76	9.30	48.74	34.00	8.90
18	59.04	9.30	48.74	33.90	7.00

MISSING DATA VALUE IS -1.0

DATE: MAY 1973		STATION: RA LB TBM BUOY						
DEPTH METERS	FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/200	O2 02 PPM	PH	TURBIDITY H.I.ON CONC	%
00	0.0	16.20	61.16	33.20	10.50	8.24	93.00	
01	3.28	15.80	60.44	33.80	10.00	8.22	86.00	
02	6.56	15.50	60.08	33.70	10.00	8.21	86.00	
03	9.84	15.40	59.72	33.70	9.70	8.20	84.00	
04	13.12	15.40	59.72	33.70	9.80	8.20	85.00	
05	16.40	15.20	59.36	33.80	9.40	8.19	86.00	
06	19.68	15.00	59.00	33.80	9.90	8.16	85.00	
07	22.96	14.90	58.82	33.70	8.70	8.16	85.00	
08	26.24	14.60	58.28	33.80	8.00	8.12	87.00	
09	29.52	14.20	57.56	33.80	7.10	8.07	86.00	
10	32.80	14.00	57.20	33.80	7.10	8.06	85.00	
11	36.08	13.70	56.86	33.80	6.70	8.04	-1.00	
12	39.36	13.70	56.66	33.80	6.60	8.03	-1.00	
13	42.64	13.40	56.12	33.80	6.00	7.99	-1.00	
14	45.92	13.30	55.94	33.80	5.80	7.98	-1.00	
15	49.20	13.20	55.76	33.80	5.80	7.98	-1.00	
16	52.48	13.10	55.58	33.80	5.80	7.98	-1.00	
17	55.76	13.00	55.40	33.80	5.80	7.96	-1.00	
18	59.04	13.00	55.40	33.80	5.30	7.94	-1.00	

DATE: JULY 1973		STATION: RA LB TBM BUOY						
DEPTH METERS	FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/200	O2 02 PPM	PH	TURBIDITY H.I.ON CONC	%
00	0.0	19.40	66.92	32.60	9.10	8.07	-1.00	
01	3.28	19.40	66.92	33.10	8.20	8.10	-1.00	
02	6.56	19.40	66.92	33.30	8.40	8.10	-1.00	
03	9.84	19.20	66.56	33.80	8.20	8.11	-1.00	
04	13.12	19.10	66.48	33.50	7.50	8.09	-1.00	
05	16.40	18.50	65.50	33.80	6.70	8.07	-1.00	
06	19.68	18.10	64.58	33.00	7.40	8.05	-1.00	
07	22.96	17.70	63.86	33.70	6.40	8.04	-1.00	
08	26.24	17.40	63.32	33.70	6.30	8.03	-1.00	
09	29.52	17.10	62.78	33.80	5.00	8.01	-1.00	
10	32.80	16.90	62.42	33.80	5.80	8.00	-1.00	
11	36.08	16.60	61.88	33.80	5.70	7.98	-1.00	
12	39.36	15.80	60.44	34.00	5.00	7.91	-1.00	
13	42.64	14.80	58.64	34.20	4.70	7.46	-1.00	
14	45.92	14.20	58.04	34.80	4.70	7.35	-1.00	
15	49.20	14.00	57.76	35.20	4.70	7.36	-1.00	
16	52.48	14.00	58.28	35.60	4.60	7.36	-1.00	
17	55.76	14.00	58.28	35.60	4.50	7.34	-1.00	
18	59.04	14.00	57.74	35.80	4.40	7.32	-1.00	
19	62.32	14.20	57.56	35.80	4.30	7.33	-1.00	

DATE: JUNE 1973		STATION: RA LB TBM BUOY						
DEPTH METERS	FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/200	O2 02 PPM	PH	TURBIDITY H.I.ON CONC	%
00	0.0	17.00	64.22	33.40	7.90	8.31	78.00	
01	3.28	17.00	64.22	33.40	7.80	8.31	78.50	
02	6.56	17.00	64.04	33.50	7.50	8.29	77.00	
03	9.84	17.40	63.32	33.50	7.50	8.27	76.50	
04	13.12	17.30	63.14	33.50	7.10	8.26	77.50	
05	16.40	17.20	62.96	33.50	7.10	8.25	78.00	
06	19.68	17.00	62.60	33.60	6.80	8.24	78.00	
07	22.96	16.80	62.24	33.60	6.70	8.21	78.50	
08	26.24	16.50	61.70	33.70	6.30	8.20	79.50	
09	29.52	16.30	61.34	33.70	6.00	8.17	80.00	
10	32.80	16.00	60.80	33.70	6.00	8.16	77.50	
11	36.08	15.40	59.72	33.80	5.60	8.10	75.50	
12	39.36	14.80	58.64	33.80	4.90	8.05	76.00	
13	42.64	14.40	57.92	33.60	4.80	8.02	74.00	
14	45.92	14.50	58.10	33.70	5.10	8.04	74.00	
15	49.20	14.40	57.92	33.60	4.80	8.02	74.00	
16	52.48	14.10	57.38	33.70	4.60	8.00	75.00	
17	55.76	13.90	57.02	33.70	4.40	7.99	74.00	
18	59.04	13.80	56.84	33.70	4.40	7.97	71.50	
19	62.32	13.60	56.48	33.70	3.90	7.94	70.00	

DATE: AUGUST 1973		STATION: RA LB TBM BUOY						
DEPTH METERS	FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/200	O2 02 PPM	PH	TURBIDITY H.I.ON CONC	%
00	0.0	18.90	66.02	33.60	9.50	8.28	-1.00	
01	3.28	18.00	64.02	33.30	9.20	8.30	-1.00	
02	6.56	18.00	65.84	33.30	9.30	8.30	-1.00	
03	9.84	18.80	65.84	33.30	9.00	8.30	-1.00	
04	13.12	18.20	64.76	33.40	8.60	8.24	-1.00	
05	16.40	17.70	63.86	33.30	8.40	8.24	-1.00	
06	19.68	17.30	64.04	33.30	8.30	8.23	-1.00	
07	22.96	17.40	63.32	33.50	8.00	8.18	-1.00	
08	26.24	16.40	61.52	33.40	7.20	8.12	-1.00	
09	29.52	16.20	61.16	33.60	6.80	8.08	-1.00	
10	32.80	15.40	59.72	33.50	6.81	8.05	-1.00	
11	36.08	14.80	58.64	33.40	6.20	8.03	-1.00	
12	39.36	14.80	58.64	33.40	6.10	8.00	-1.00	
13	42.64	14.80	58.64	33.40	6.10	8.00	-1.00	
14	45.92	14.80	58.64	33.40	6.70	7.98	-1.00	
15	49.20	14.80	58.64	33.40	6.70	7.97	-1.00	
16	52.48	14.80	58.64	33.40	5.70	7.97	-1.00	
17	55.76	14.80	58.64	33.40	5.70	7.97	-1.00	
18	59.04	14.80	57.74	33.40	4.80	7.90	-1.00	
19	62.32	14.20	57.56	33.40	4.60	7.87	-1.00	

MISSING DATA VALUE IS -1.0

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1973

STATION: H4 LA 78* BODY

DEPTH METERS	TEMPERATURE °FEE	SALINITY ‰	DO:O2		PH ION CONC.	TURBIDITY NTU
			O2	PPM		
00	64.0	17.70	63.86	33.20	9.40	-1.00
01	34.28	17.70	63.86	33.20	10.00	-1.00
02	54.56	17.70	63.86	33.20	9.30	-1.00
03	9.84	17.70	63.86	33.20	9.50	-1.00
04	134.12	17.60	63.68	33.30	8.80	-1.00
05	164.40	17.50	63.50	33.30	8.40	-1.00
06	194.68	17.40	63.50	33.30	8.20	-1.00
07	224.96	17.40	63.32	33.30	8.20	-1.00
08	26.24	17.40	63.32	33.30	8.20	-1.00
09	294.52	17.40	63.32	33.30	8.20	-1.00
10	324.80	17.30	63.14	33.30	8.20	-1.00
11	364.08	17.10	62.78	33.40	8.00	-1.00
12	394.36	16.80	62.24	33.50	7.60	-1.00
13	424.64	16.70	62.06	33.40	7.60	-1.00
14	454.92	15.70	62.06	33.40	7.60	-1.00
15	494.20	15.60	60.08	31.70	7.00	-1.00
16	524.48	15.40	59.72	33.60	6.80	-1.00
17	554.76	15.20	59.36	33.60	6.40	+1.00
18	594.04	15.10	59.18	31.50	6.40	-1.00
19	624.32	15.00	59.00	33.40	6.80	-1.00
20	654.60	14.80	58.64	33.60	5.90	-1.00
21	684.88	14.60	58.82	31.60	6.20	-1.00

DATE: NOVEMBER 1973

STATIONE No 18 TAB ANOS

DEPTH METERS	FEEL.	TEMPERATURE		SALINITY ‰	D.O. PPM.	PH	ION CONC. %	TURBIDITY %
		°C	°F					
00	0+0	15+20	59+36	33+70	5+60	7+36		77+50
01	3+28	15+20	59+36	33+70	5+60	7+37		80+00
02	6+56	15+20	59+36	33+63	5+90	7+37		82+00
03	9+84	15+20	59+36	33+70	5+90	7+38		83+00
04	13+12	15+00	59+00	33+80	5+70	7+39		84+00
05	16+40	15+00	59+00	33+80	5+70	7+39		85+00
06	19+68	15+00	59+00	33+80	5+70	7+39		85+00
07	22+96	15+00	59+00	33+80	5+70	7+40		85+50
08	26+24	15+00	59+00	33+70	5+70	7+41		85+00
09	29+52	14+90	58+82	33+80	5+80	7+41		85+50
10	32+80	14+90	58+82	33+80	5+80	7+41		86+00
11	36+08	14+80	58+64	33+90	5+70	7+41		85+50
12	39+36	14+60	58+28	34+00	5+90	7+42		86+00
13	42+64	14+50	58+10	34+10	5+90	7+43		86+00
14	45+92	14+40	57+92	34+10	5+90	7+43		85+50
15	49+20	14+30	57+74	34+20	6+00	7+43		85+00
16	52+48	14+20	57+56	34+10	6+00	7+43		85+00
17	55+76	14+20	57+56	34+00	6+00	7+44		84+50
18	59+04	14+20	57+56	34+00	6+00	7+44		82+00
19	62+32	14+10	57+38	34+10	6+00	7+44		79+50

DATE: OCTOBER 1973

STATION: B4 L.B. "B" RUDY

DEPTH METERS	TEMPERATURE °C.	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU
00	16.90	32.42	33.80	8.80	74.00
01	16.88	32.42	33.70	8.10	75.00
02	16.86	32.42	33.60	8.00	77.00
03	16.84	32.40	33.60	7.80	76.00
04	16.82	32.06	33.60	7.80	76.00
05	16.40	31.70	33.60	8.00	78.00
06	16.60	31.88	33.70	7.80	78.00
07	16.50	31.70	33.70	7.40	80.00
08	16.40	31.52	33.60	7.20	81.00
09	16.30	31.34	33.60	7.20	84.00
10	16.20	31.16	33.60	7.20	83.00
11	16.20	31.16	33.60	7.20	81.00
12	16.20	31.16	33.60	7.30	82.00
13	16.80	30.44	33.80	7.20	81.00
14	16.50	30.90	33.90	7.00	79.00
15	16.50	30.90	33.90	6.90	77.00
16	16.40	30.72	33.80	6.80	72.00
17	16.20	30.36	33.70	7.00	72.00
18	16.10	30.18	33.80	6.70	69.00
19	16.10	30.18	33.80	6.60	70.00

DATE : DECEMBER 1973

STATION: P4 LB 76-8007

DEPTH METERS	SALINITY	TEMPERATURE		D-02 PPM	PH	TURBIDITY %
		C	F			
0.0	34.40	-1.00	-1.00	-1.00	5.80	7.89
0.1	34.78	-1.00	-1.00	-1.00	5.60	7.95
0.2	34.56	-1.00	-1.00	-1.00	5.90	7.98
0.3	34.84	-1.00	-1.00	-1.00	5.70	7.98
0.4	34.12	-1.00	-1.00	-1.00	6.20	8.00
0.5	34.40	-1.00	-1.00	-1.00	6.30	8.04
0.6	34.68	-1.00	-1.00	-1.00	6.40	8.04
0.7	34.26	-1.00	-1.00	-1.00	6.20	8.04
0.8	34.24	-1.00	-1.00	-1.00	6.10	8.04
0.9	34.52	-1.00	-1.00	-1.00	6.20	8.04
1.0	34.80	-1.00	-1.00	-1.00	6.40	8.04
1.1	34.08	-1.00	-1.00	-1.00	6.20	8.05
1.2	34.36	-1.00	-1.00	-1.00	6.20	8.05
1.3	34.64	-1.00	-1.00	-1.00	6.40	8.05
1.4	34.92	-1.00	-1.00	-1.00	6.20	8.05
1.5	34.80	-1.00	-1.00	-1.00	6.20	8.06
1.6	34.64	-1.00	-1.00	-1.00	6.30	8.07
1.7	34.76	-1.00	-1.00	-1.00	6.20	8.07
1.8	34.04	-1.00	-1.00	-1.00	6.20	8.08
1.9	34.32	-1.00	-1.00	-1.00	6.20	8.07

MISSING DATA VALUE IS -1.0

DATE: JANUARY 1974

STATION: 84 LB #8* BUOY

DEPTH WEIERS FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	13.10	55.94	31.20	7.00
01	3.28	13.20	55.76	32.30	7.00
02	6.56	11.20	55.76	32.80	7.10
03	9.84	13.20	55.76	32.90	7.10
04	13.12	13.20	55.76	33.00	7.30
05	16.40	13.20	55.76	33.20	7.40
06	19.68	13.10	55.56	33.30	7.60
07	22.96	13.00	55.40	33.40	7.70
08	26.24	13.00	55.40	33.50	7.80
09	29.52	13.00	55.40	33.50	7.90
10	32.80	14.00	55.40	33.50	7.90
11	36.08	13.00	55.40	33.60	7.92
12	39.36	12.90	55.22	33.60	8.00
13	42.64	12.90	55.22	33.65	8.00
14	45.92	12.90	55.22	33.65	8.00
15	49.20	12.80	55.04	33.65	8.00
16	52.48	12.80	55.04	33.65	8.10
17	55.76	12.80	55.04	33.70	8.10
18	59.04	12.80	55.04	33.70	8.10

DATE: MARCH 1974

STATION: 84 LB #8* BUOY

DEPTH WEIERS FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	14.50	58.10	31.80	8.40
01	3.28	14.50	58.10	32.05	8.50
02	6.56	14.30	57.74	32.45	8.70
03	9.84	14.10	57.38	32.75	8.80
04	13.12	13.90	57.02	32.95	8.90
05	16.40	13.80	56.84	33.05	8.90
06	19.68	13.80	56.54	33.05	8.90
07	22.96	13.70	56.66	33.20	7.90
08	26.24	13.60	56.48	33.25	7.90
09	29.52	13.60	56.48	33.30	7.80
10	32.80	13.50	56.30	33.35	7.50
11	36.08	13.50	56.30	33.35	7.20
12	39.36	13.50	56.30	33.35	7.10
13	42.64	13.50	56.30	33.35	7.10
14	45.92	13.50	56.30	33.35	7.10
15	49.20	13.50	56.30	33.35	7.10
16	52.48	13.50	56.30	33.35	7.12
17	55.76	13.50	56.30	33.35	7.30
18	59.04	13.50	56.30	33.35	7.20

DATE: FEBRUARY 1974

STATION: 84 LB #8* BUOY

DEPTH WEIERS FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	13.30	55.94	32.90	7.70
01	3.28	13.30	55.94	33.00	7.40
02	6.56	13.30	55.94	33.15	7.30
03	9.84	13.30	55.94	33.20	7.30
04	13.12	13.30	55.94	33.20	7.30
05	16.40	13.30	55.94	33.20	7.20
06	19.68	13.30	55.94	33.30	7.20
07	22.96	13.30	55.94	33.35	7.20
08	26.24	13.30	55.94	33.35	7.40
09	29.52	13.30	55.94	33.40	7.40
10	32.80	13.30	55.94	33.40	7.40
11	36.08	13.30	55.94	33.40	7.70
12	39.36	13.30	55.94	33.40	7.70
13	42.64	13.30	55.94	33.40	7.60
14	45.92	13.30	55.94	33.45	7.50
15	49.20	13.20	55.76	33.45	7.40
16	52.48	13.20	55.76	33.45	7.30
17	55.76	13.20	55.76	33.45	7.50
18	59.04	13.10	55.58	33.50	7.10

DATE: APRIL 1974

STATION: 84 LB #8* BUOY

DEPTH WEIERS FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	15.10	59.18	33.50	7.20
01	3.28	15.10	59.18	33.50	7.30
02	6.56	15.00	59.00	33.50	7.20
03	9.84	14.70	58.46	33.50	7.10
04	13.12	14.60	58.28	33.60	7.50
05	16.40	14.60	58.28	33.60	7.50
06	19.68	14.60	57.92	33.80	7.30
07	22.96	14.20	57.56	33.60	7.40
08	26.24	14.00	57.28	33.70	7.50
09	29.52	13.60	56.48	33.90	7.40
10	32.80	13.60	56.40	33.90	7.30
11	36.08	12.60	56.68	34.00	6.80
12	39.36	12.20	53.96	34.00	6.70
13	42.64	12.20	53.96	34.00	6.80
14	45.92	12.10	53.78	33.90	6.50
15	49.20	12.00	53.60	33.90	6.40
16	52.48	11.90	53.42	33.90	6.40
17	55.76	11.80	53.24	33.80	6.80
18	59.04	11.70	53.06	33.80	6.80
19	62.32	11.50	52.70	33.80	6.40

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

DATE: MAY 1974							
STATION: 84 LB #84 BUOY							
DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY* ‰	D.O2 PPM	PH	TURBIDITY NTU	
00	0.0	14.90	58.82	31.75	7.90	7.32	85.00
01	3.25	14.90	58.82	31.75	6.90	7.32	85.00
02	6.56	14.90	58.82	31.75	6.90	7.32	85.50
03	9.84	14.90	58.82	31.75	6.80	7.33	86.00
04	13.12	14.90	58.82	31.75	6.80	7.33	85.00
05	16.40	14.90	58.82	31.70	6.80	7.33	85.00
06	19.68	14.90	58.82	31.75	6.80	7.33	85.00
07	22.96	14.90	58.82	31.75	6.70	7.33	84.50
08	26.24	14.80	58.64	31.75	6.70	7.33	84.00
09	29.52	14.70	58.40	31.75	6.50	7.32	83.00
10	32.80	14.50	58.10	31.85	6.30	7.32	78.50
11	36.08	14.30	57.74	31.85	6.20	7.32	72.00
12	39.36	14.00	57.40	31.85	6.00	7.31	71.00
13	42.64	13.90	57.02	31.85	5.90	7.31	71.00
14	45.92	13.90	57.02	31.85	5.90	7.31	71.00
15	49.20	13.90	57.02	31.85	5.90	7.31	71.50
16	52.48	13.80	56.84	31.85	5.80	7.30	69.50
17	55.76	13.70	56.66	31.85	5.60	7.30	64.00
18	59.04	13.60	56.48	31.85	5.20	7.29	62.00

* Possible probe malfunction

DATE: JULY 1974							
STATION: 84 LB #84 BUOY							
DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY* ‰	D.O2 PPM	PH	TURBIDITY NTU	
00	0.0	19.00	66.20	-1.00	10.20	-1.00	75.00
01	3.25	19.00	66.20	-1.00	10.20	-1.00	74.50
02	6.56	18.90	66.02	-1.00	10.70	-1.00	73.50
03	9.84	18.70	65.86	-1.00	10.60	-1.00	73.50
04	13.12	18.30	64.94	-1.00	10.20	-1.00	73.00
05	16.40	18.30	64.94	-1.00	10.10	-1.00	73.50
06	19.68	17.20	62.96	-1.00	9.20	-1.00	74.50
07	22.96	17.00	62.60	-1.00	8.60	-1.00	75.00
08	26.24	16.90	62.42	-1.00	8.70	-1.00	75.50
09	29.52	16.70	62.06	-1.00	8.20	-1.00	75.50
10	32.80	16.30	61.34	-1.00	8.00	-1.00	76.00
11	36.08	16.10	60.98	-1.00	7.90	-1.00	76.00
12	39.36	16.10	60.98	-1.00	7.80	-1.00	76.00
13	42.64	15.50	59.90	-1.00	7.20	-1.00	74.50
14	45.92	15.10	59.18	-1.00	6.30	-1.00	73.50
15	49.20	14.50	58.10	-1.00	5.60	-1.00	70.50
16	52.48	14.50	58.10	-1.00	5.40	-1.00	67.00
17	55.76	14.30	57.74	-1.00	5.40	-1.00	61.50
18	59.04	14.30	57.42	-1.00	5.30	-1.00	58.00
19	62.32	14.00	57.92	-1.00	5.20	-1.00	58.00

DATE: JUNE 1974							
STATION: 84 LB #84 BUOY							
DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY* ‰	D.O2 PPM	PH	TURBIDITY NTU	
00	0.0	17.60	63.68	31.00	12.40	-1.00	47.00
01	3.25	17.60	63.68	31.00	12.10	-1.00	66.00
02	6.56	17.50	63.50	31.00	11.50	-1.00	66.50
03	9.84	17.20	62.96	30.90	9.80	-1.00	68.50
04	13.12	17.00	62.60	31.10	9.80	-1.00	70.00
05	16.40	16.80	62.24	30.90	9.10	-1.00	70.50
06	19.68	16.10	60.98	31.40	7.60	-1.00	71.50
07	22.96	16.00	60.80	31.30	7.70	-1.00	71.50
08	26.24	15.90	60.62	31.30	7.60	-1.00	70.50
09	29.52	15.80	60.44	31.40	7.50	-1.00	71.00
10	32.80	15.80	60.34	31.50	7.40	-1.00	71.50
11	36.08	15.70	60.26	31.40	6.80	-1.00	71.00
12	39.36	15.50	59.90	31.30	6.30	-1.00	71.50
13	42.64	15.30	59.54	31.30	6.50	-1.00	66.50
14	45.92	15.30	59.54	31.30	6.80	-1.00	66.00
15	49.20	15.00	59.00	31.60	6.80	-1.00	63.00
16	52.48	15.00	59.00	31.60	6.00	-1.00	56.00
17	55.76	14.80	58.64	31.60	5.50	+1.00	57.00
18	59.04	14.70	58.46	31.50	5.30	-1.00	56.50
19	62.32	14.50	58.34	31.60	4.60	-1.00	51.00

* Possible probe malfunction

DATE: AUGUST 1974							
STATION: 84 LB #84 BUOY							
DEPTH METERS	DEPTH FEET	TEMPERATURE °C	SALINITY* ‰	D.O2 PPM	PH	TURBIDITY NTU	
00	0.0	19.90	67.82	32.70	9.30	-1.00	78.00
01	3.25	19.90	67.82	32.70	8.90	-1.00	78.50
02	6.56	19.70	67.46	32.90	8.80	-1.00	79.50
03	9.84	19.60	67.26	32.90	8.80	-1.00	78.00
04	13.12	19.00	66.20	33.10	7.90	-1.00	80.00
05	16.40	18.50	65.30	33.00	6.90	+1.00	82.00
06	19.68	18.30	64.94	33.00	6.00	-1.00	82.00
07	22.96	18.00	64.80	33.20	6.10	-1.00	80.50
08	26.24	17.60	64.40	33.20	6.10	-1.00	78.00
09	29.52	17.40	64.22	33.40	6.00	-1.00	75.00
10	32.80	17.00	62.60	33.40	5.30	-1.00	73.50
11	36.08	16.90	62.42	33.30	5.20	-1.00	74.00
12	39.36	16.90	62.42	33.30	5.10	-1.00	75.00
13	42.64	16.70	61.70	62.06	33.20	4.70	-1.00
14	45.92	16.00	60.60	63.60	4.00	-1.00	65.00
15	49.20	15.90	60.62	63.40	3.90	-1.00	59.50
16	52.48	15.80	60.44	63.50	3.80	-1.00	57.00
17	55.76	15.80	60.44	63.50	3.70	-1.00	56.00
18	59.04	15.80	60.44	63.50	3.60	-1.00	54.00
19	62.32	15.80	60.44	63.50	3.70	-1.00	51.00

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

DATE: SEPTEMBER 1974

STATION: 84 LB "B" BUOY

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY H.I.ON CONC.
00	24.0	33.74	6.80	8.17	71.50
01	3.28	33.74	33.20	8.50	8.16
02	6.56	33.74	33.30	8.49	8.14
03	9.84	33.74	33.40	8.42	74.00
04	13.12	33.74	33.50	8.40	75.50
05	16.40	33.74	33.50	8.40	77.50
06	19.68	33.74	33.60	8.40	78.50
07	22.96	33.74	33.60	8.40	79.00
08	26.24	33.74	33.60	8.40	80.00
09	29.52	33.74	33.60	8.40	74.75
10	32.80	33.74	33.70	8.40	81.00
11	36.08	33.74	32.05	8.40	81.70
12	39.36	33.74	31.52	8.40	80.00
13	42.64	33.74	31.34	8.40	79.50
14	45.92	33.74	31.16	8.40	79.00
15	49.20	33.74	30.44	8.40	76.00
16	52.48	33.74	30.26	8.40	72.50
17	55.76	33.74	30.00	8.40	66.00
18	59.04	33.74	30.36	8.40	76.00

DATE: NOVEMBER 1974

STATION: 84 LB "B" BUOY

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY H.I.ON CONC.
00	24.0	33.50	5.90	8.40	8.12
01	3.28	33.60	5.90	8.12	81.50
02	6.56	33.60	5.90	8.12	84.50
03	9.84	33.60	5.88	8.11	84.50
04	13.12	33.60	5.88	8.11	85.00
05	16.40	33.60	5.88	8.10	85.50
06	19.68	33.60	5.88	8.10	85.00
07	22.96	33.60	5.88	8.10	85.00
08	26.24	33.60	5.88	8.10	85.00
09	29.52	33.60	5.88	8.10	85.50
10	32.80	33.60	5.88	8.10	84.50
11	36.08	33.60	5.88	8.10	80.00
12	39.36	33.60	5.88	8.10	76.00
13	42.64	33.60	5.88	8.10	76.00
14	45.92	33.60	5.88	8.11	71.50
15	49.20	33.60	5.88	8.11	68.50
16	52.48	33.60	5.88	8.12	66.50
17	55.76	33.60	5.88	8.11	68.50

DATE: OCTOBER 1974

STATION: 84 LB "B" BUOY

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURIDITY H.I.ON CONC.
00	24.0	35.30	7.30	7.90	58.50
01	3.28	35.30	7.00	7.98	73.50
02	6.56	35.30	6.90	7.97	85.00
03	9.84	35.30	7.00	7.98	84.50
04	13.12	35.30	7.10	8.00	85.00
05	16.40	35.30	7.30	8.02	84.50
06	19.68	35.30	7.40	8.04	85.50
07	22.96	35.30	7.70	8.05	85.50
08	26.24	35.30	7.80	8.08	85.50
09	29.52	35.30	7.80	8.03	80.00
10	32.80	35.30	6.80	8.02	79.00
11	36.08	35.30	6.80	8.01	78.50
12	39.36	35.30	6.80	8.01	77.00
13	42.64	35.30	6.80	8.02	76.50
14	45.92	35.30	6.80	8.02	75.00
15	49.20	35.30	6.80	8.03	75.50
16	52.48	35.30	6.80	8.03	74.50
17	55.76	35.30	6.80	8.03	67.00
18	59.04	35.30	6.80	8.03	66.00
19	62.32	35.30	6.80	8.04	56.00
20	65.60	35.30	6.80	8.04	-1.00

DATE: DECEMBER 1974

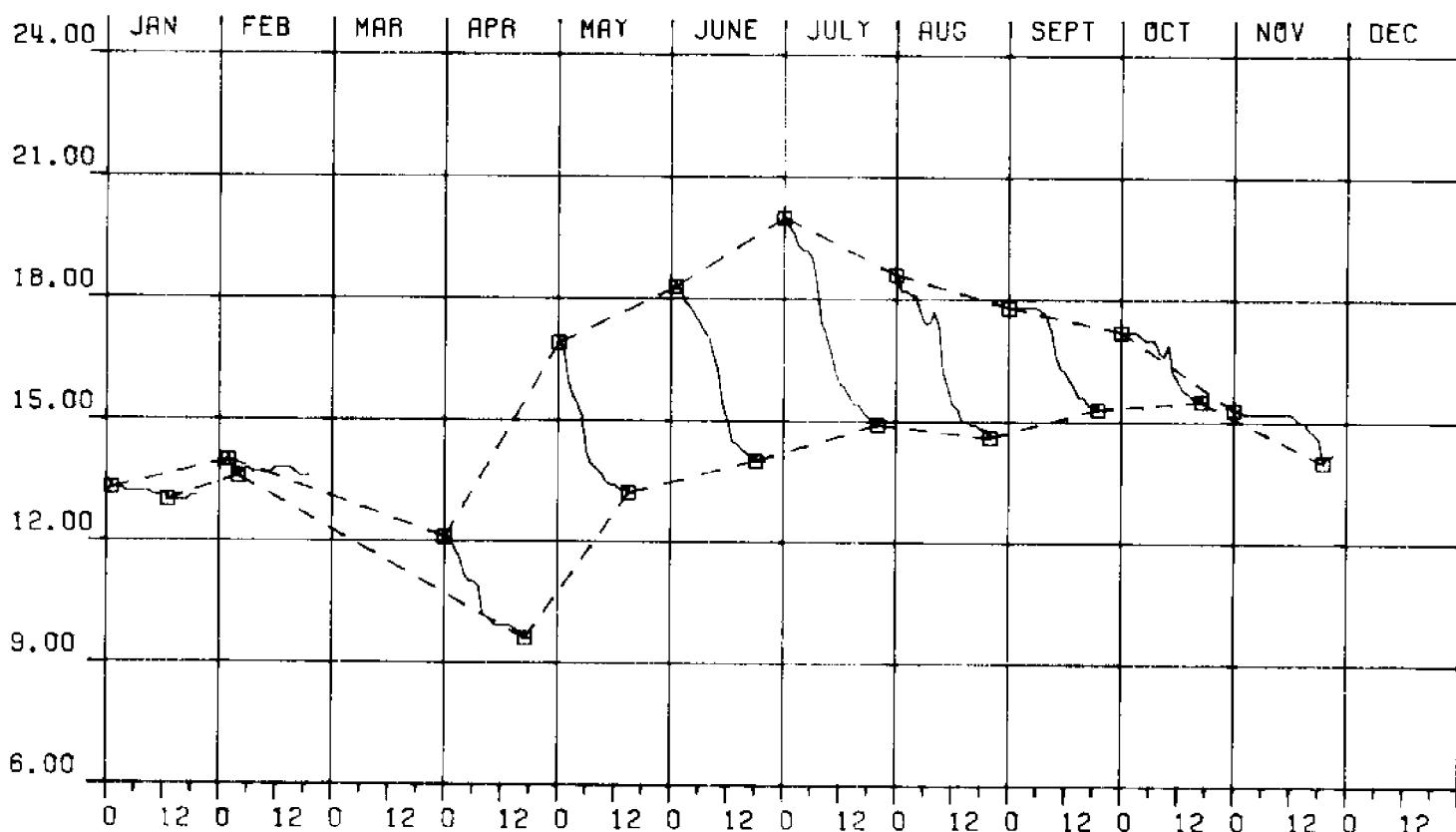
STATION: 84 LB "B" BUOY

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURIDITY H.I.ON CONC.
00	24.0	31.90	6.60	8.22	71.50
01	3.28	32.30	5.756	8.24	82.00
02	6.56	32.30	5.756	8.26	82.00
03	9.84	32.30	5.756	8.28	83.00
04	13.12	32.30	5.756	8.28	84.00
05	16.40	32.30	5.756	8.30	84.00
06	19.68	32.30	5.756	8.32	83.50
07	22.96	32.30	5.756	8.34	83.50
08	26.24	32.30	5.756	8.35	83.00
09	29.52	32.30	5.756	8.37	82.00
10	32.80	32.30	5.756	8.37	81.50
11	36.08	32.30	5.756	8.37	81.00
12	39.36	32.30	5.756	8.37	80.50
13	42.64	32.30	5.756	8.40	76.50
14	45.92	32.30	5.756	8.41	75.00
15	49.20	32.30	5.756	8.41	73.50
16	52.48	32.30	5.756	8.41	69.00
17	55.76	32.30	5.756	8.42	65.00
18	59.04	32.30	5.756	8.44	58.00
19	62.32	32.30	5.756	8.44	-1.00

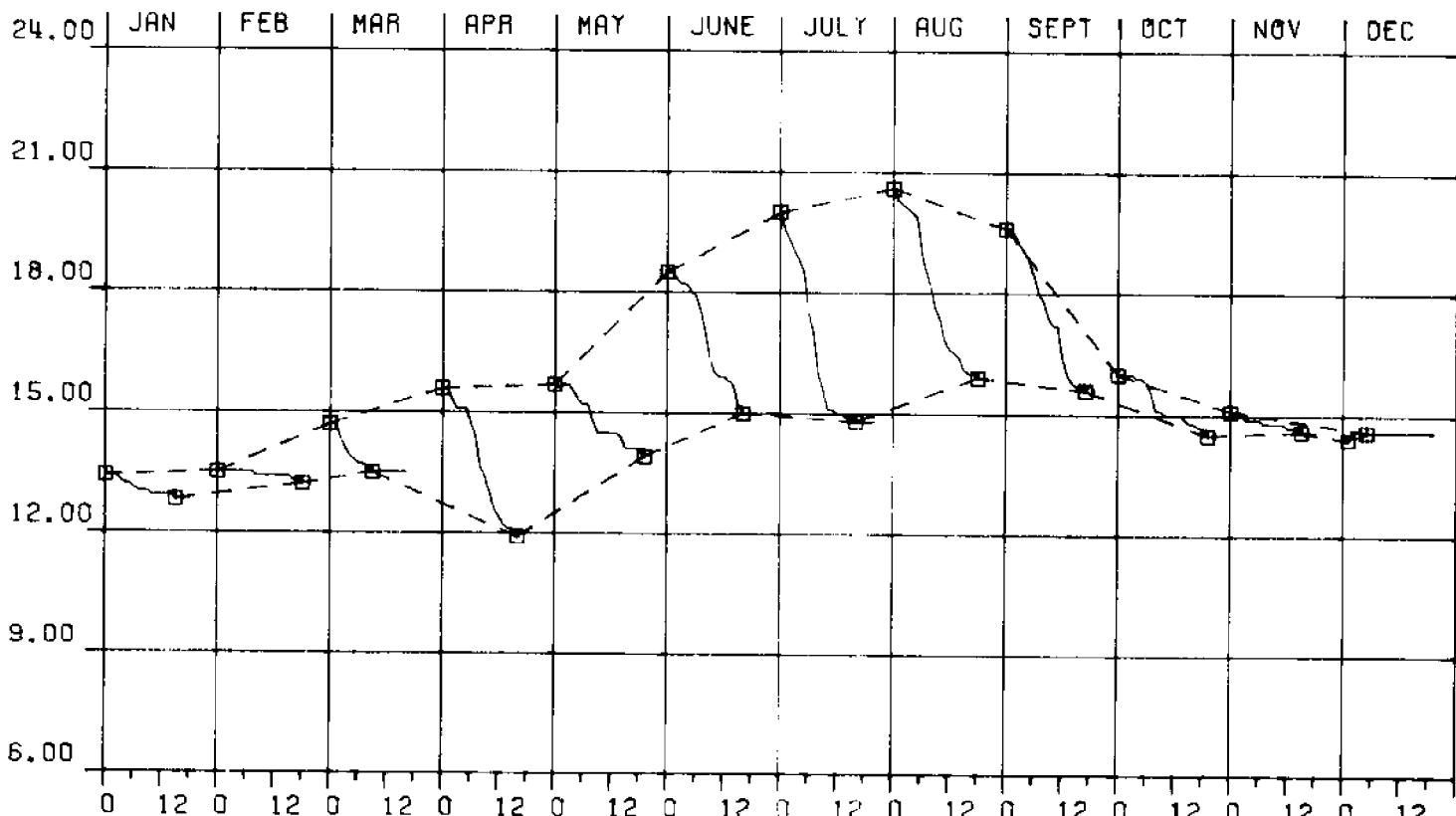
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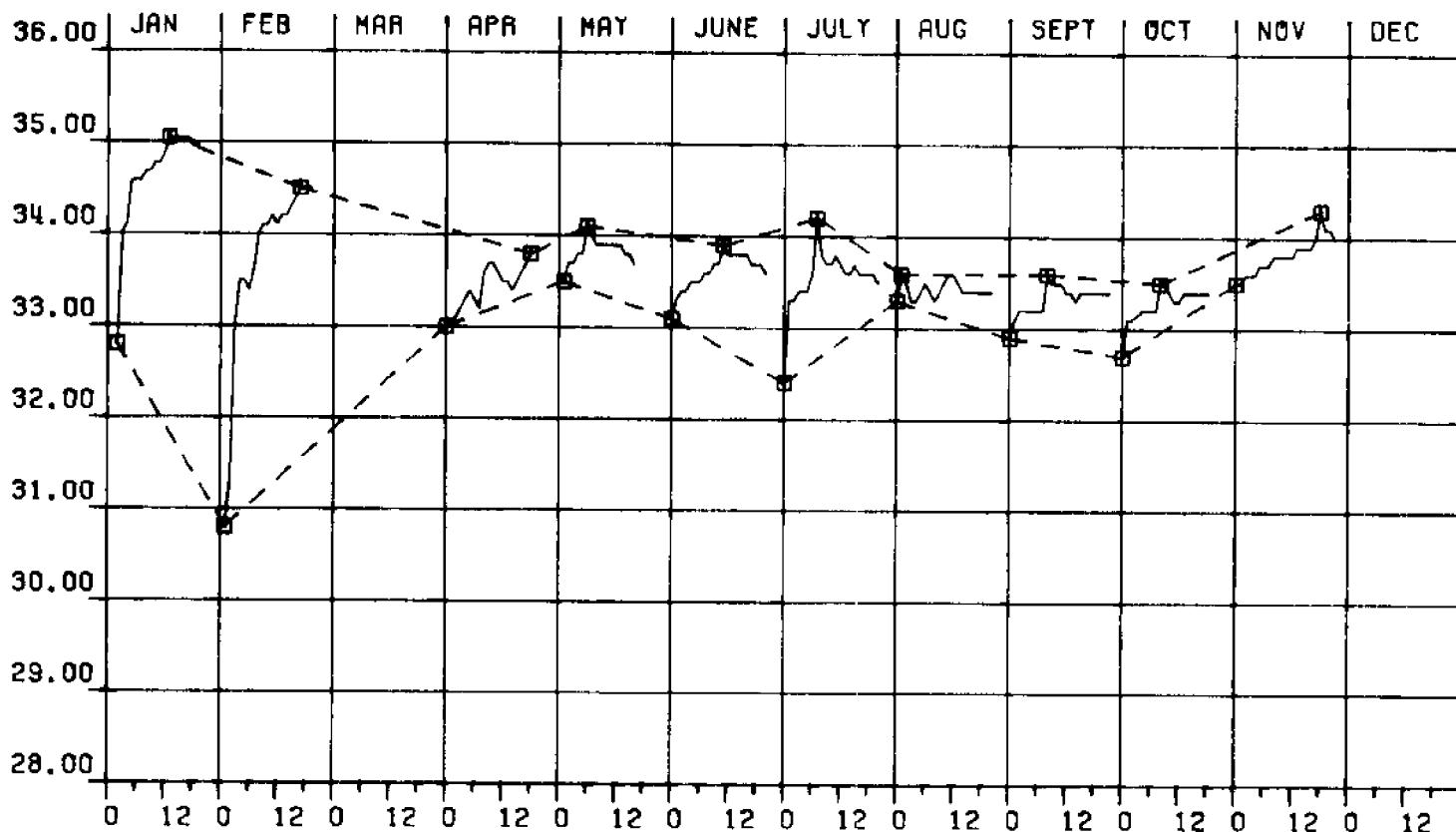
B5 GERALD DESMOND BRIDGE FIRE STN
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



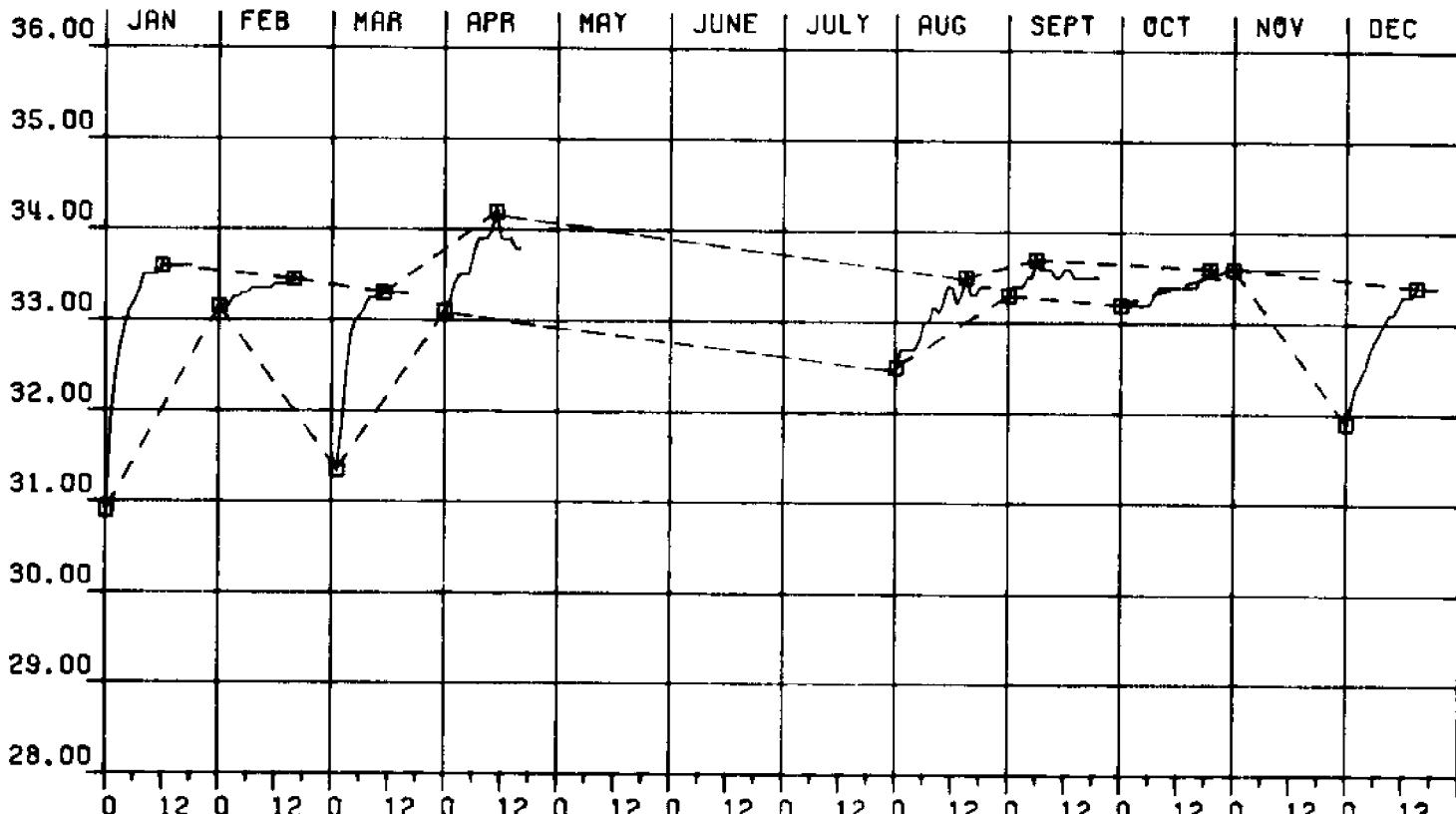
B5 GERALD DESMOND BRIDGE FIRE STN
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



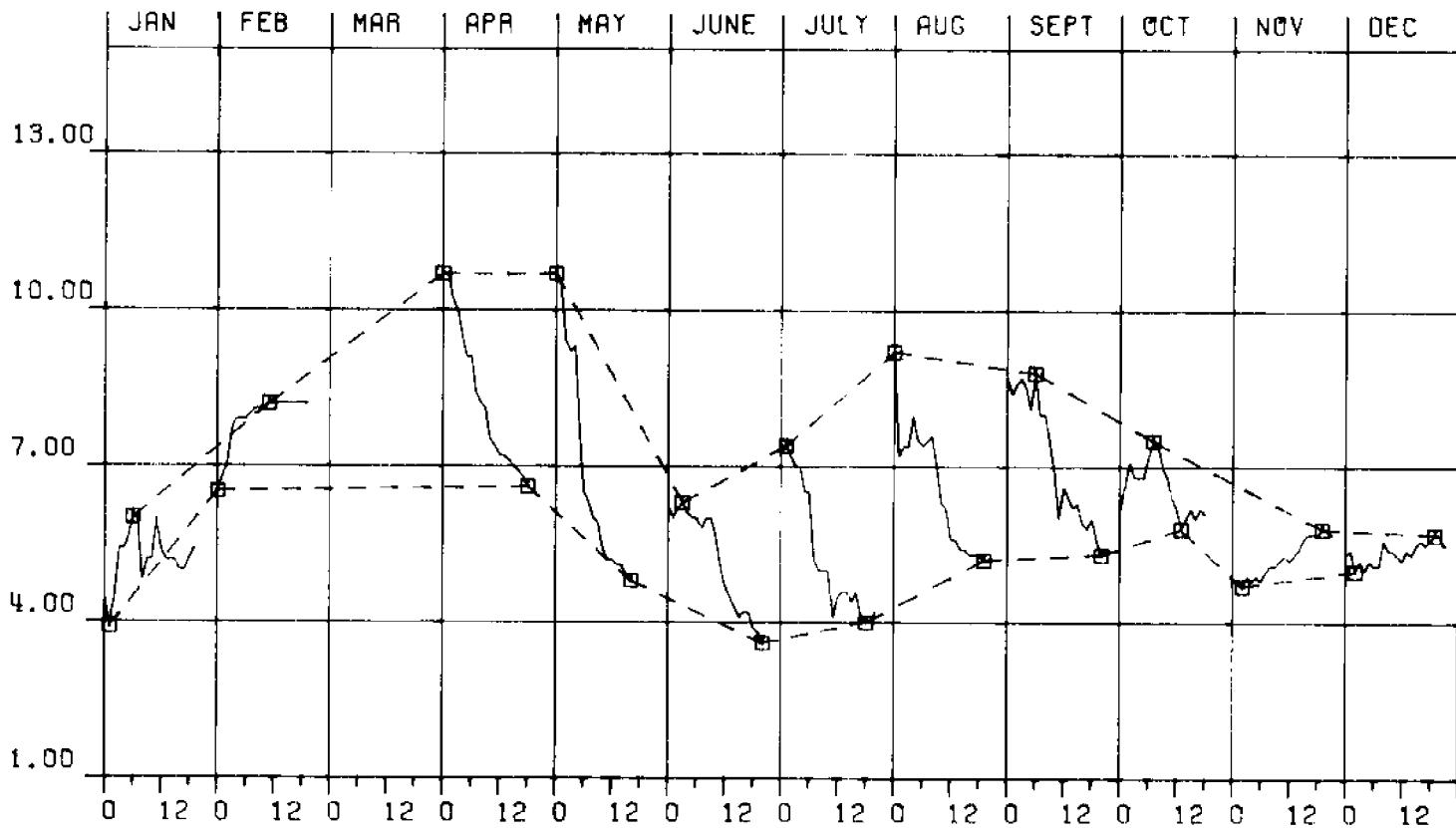
BS GERALD DESMOND BRIDGE FIRE STN
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



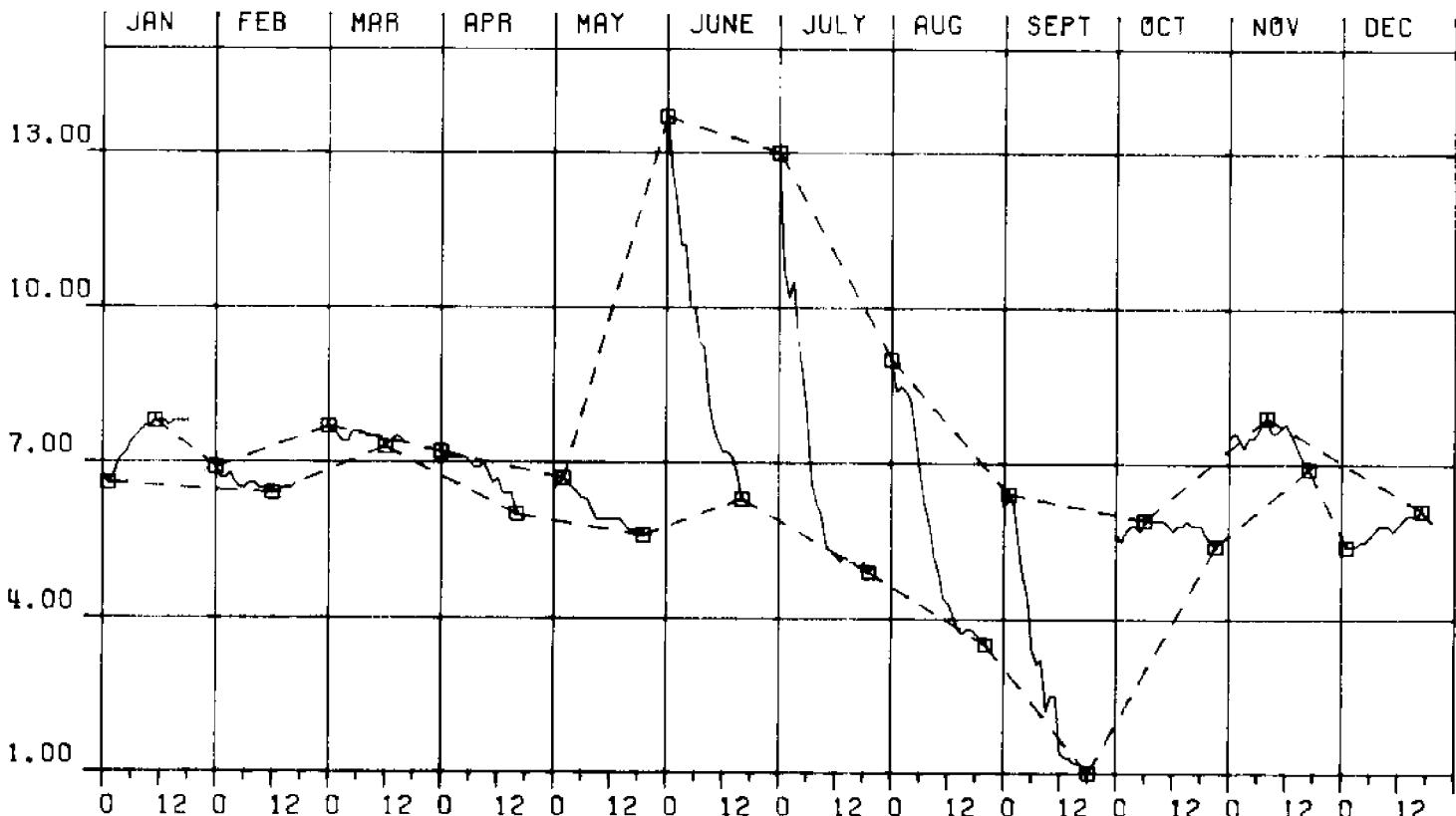
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DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



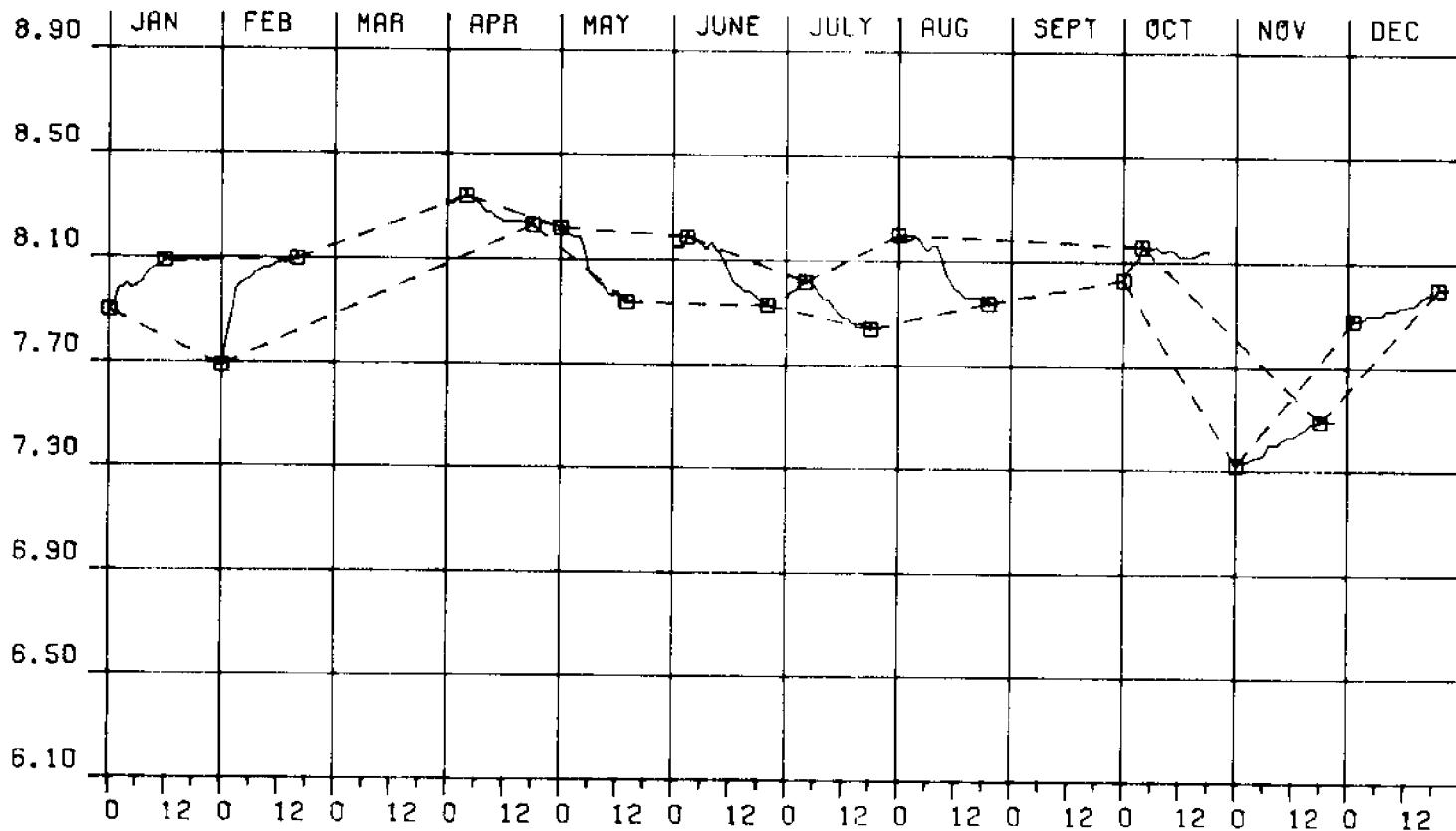
B5 GERALD DESMOND BRIDGE FIRE STN
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



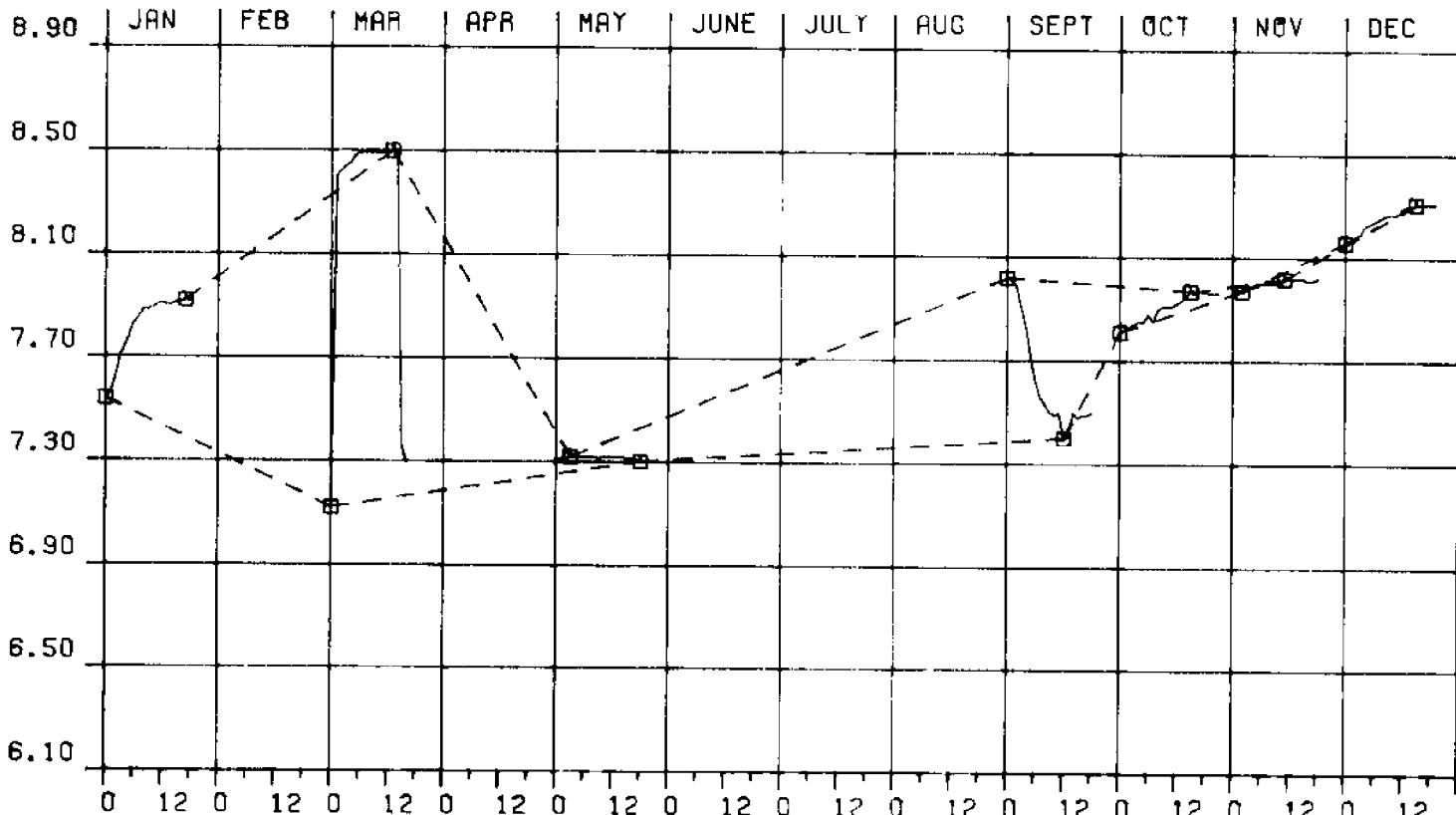
B5 GERALD DESMOND BRIDGE FIRE STN
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



B5 GERALD DESMOND BRIDGE FIRE STN
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



B5 GERALD DESMOND BRIDGE FIRE STN
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MARCH 1973							DATE: MARCH 1973								
STATION: 45 GENERAL DISHON'S RANGE FIRE STA.							STATION: 85 FIRE STATION								
DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU	DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU
00	0.0	13.00	56.76	-1.00	4.40	7.90	-1.00	0	0.0	13.60	56.48	31.70	8.50	8.11	-1.00
01	3.28	13.40	56.94	-1.00	4.90	7.90	-1.00	1	3.28	13.60	56.48	31.70	8.50	8.11	-1.00
02	6.56	13.40	56.94	32.90	4.90	7.90	-1.00	2	6.56	13.60	56.48	31.70	8.50	8.11	-1.00
03	9.84	13.50	56.94	34.00	5.40	7.90	-1.00	3	9.84	13.60	56.48	31.80	8.50	8.12	-1.00
04	13.12	13.60	56.76	34.10	5.40	8.00	-1.00	4	13.12	13.60	56.48	32.40	8.20	8.18	-1.00
05	16.40	13.60	56.76	34.00	5.60	7.90	-1.00	5	16.40	13.60	56.48	32.60	8.30	8.19	-1.00
06	19.68	13.60	56.76	34.00	5.60	7.90	-1.00	6	19.68	13.50	56.30	32.70	8.20	8.19	-1.00
07	22.96	13.60	56.76	34.00	5.60	7.90	-1.00	7	22.96	13.50	56.30	32.80	8.20	8.19	-1.00
08	26.24	13.60	56.76	34.00	5.60	7.90	-1.00	8	26.24	13.50	56.30	32.80	8.20	8.19	-1.00
09	29.52	13.60	56.76	34.00	5.60	7.90	-1.00	9	29.52	13.50	56.30	32.90	8.20	8.19	-1.00
10	32.80	13.60	56.58	34.70	5.80	8.00	-1.00	10	32.80	13.50	56.30	32.90	8.20	8.19	-1.00
11	36.08	13.60	56.58	34.70	5.80	8.00	-1.00	11	36.08	13.40	56.12	33.10	8.10	8.19	-1.00
12	39.36	13.60	56.76	34.80	5.80	8.00	-1.00	12	39.36	13.40	56.12	33.30	8.10	8.19	-1.00
13	42.64	13.60	56.40	35.00	5.80	8.00	-1.00	13	42.64	13.40	56.12	33.30	8.10	8.19	-1.00
14	45.92	13.60	56.40	35.00	5.80	8.00	-1.00	14	45.92	13.40	56.12	33.30	8.10	8.19	-1.00
15	49.20	13.60	56.40	35.00	5.80	8.00	-1.00	15	49.20	13.40	56.12	33.30	8.00	8.19	-1.00
16	52.48	13.60	56.40	35.00	5.80	8.00	-1.00	16	52.48	13.40	56.12	33.40	7.90	8.19	-1.00
17	55.76	13.60	56.40	35.00	5.80	8.00	-1.00	17	55.76	13.30	55.94	33.00	7.70	8.19	-1.00
18	59.04	13.60	56.40	35.00	5.80	8.00	-1.00	18	59.04	13.20	55.76	33.70	7.50	8.18	-1.00
19	62.32	13.60	56.40	35.00	5.80	8.00	-1.00								
DATE: APRIL 1973							DATE: APRIL 1973								
STATION: 45 GENERAL DISHON'S RANGE FIRE STA.							STATION: 85 FIRE STATION								
DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU	DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU
00	0.0	12.00	56.74	-1.00	6.50	7.90	-1.00	0	0.0	12.10	56.38	34.00	10.70	9.21	72.00
01	3.28	12.00	56.74	10.80	6.80	7.90	-1.00	1	3.28	12.10	56.38	34.00	10.70	9.21	72.00
02	6.56	12.00	56.74	11.00	7.00	7.90	-1.00	2	6.56	12.10	56.38	34.00	10.70	9.21	72.00
03	9.84	12.00	56.74	11.00	7.00	7.90	-1.00	3	9.84	12.10	56.38	34.20	10.80	9.22	74.00
04	13.12	12.00	56.74	11.00	7.00	8.00	-1.00	4	13.12	12.10	56.38	34.20	10.80	9.22	74.00
05	16.40	12.00	56.66	11.00	7.00	8.00	-1.00	5	16.40	12.00	56.38	34.20	10.80	9.22	74.00
06	19.68	12.00	56.74	11.00	7.00	8.00	-1.00	6	19.68	12.00	56.38	34.20	10.80	9.22	74.00
07	22.96	12.00	56.74	11.00	7.00	8.00	-1.00	7	22.96	12.00	56.38	34.20	10.80	9.22	74.00
08	26.24	12.00	56.74	11.00	7.00	8.00	-1.00	8	26.24	12.00	56.38	34.20	10.80	9.22	74.00
09	29.52	12.00	56.74	11.00	7.00	8.00	-1.00	9	29.52	12.00	56.38	34.20	10.80	9.22	74.00
10	32.80	12.00	56.66	11.00	7.00	8.00	-1.00	10	32.80	12.00	56.38	34.20	10.80	9.22	74.00
11	36.08	12.00	56.66	11.00	7.00	8.00	-1.00	11	36.08	12.00	56.38	34.20	10.80	9.22	74.00
12	39.36	12.00	56.74	11.00	7.00	8.00	-1.00	12	39.36	12.00	56.38	34.20	10.80	9.22	74.00
13	42.64	12.00	56.74	11.00	7.00	8.00	-1.00	13	42.64	12.00	56.38	34.20	10.80	9.22	74.00
14	45.92	12.00	56.74	11.00	7.00	8.00	-1.00	14	45.92	12.00	56.38	34.20	10.80	9.22	74.00
15	49.20	12.00	56.74	11.00	7.00	8.00	-1.00	15	49.20	12.00	56.38	34.20	10.80	9.22	74.00
16	52.48	12.00	56.74	11.00	7.00	8.00	-1.00	16	52.48	12.00	56.38	34.20	10.80	9.22	74.00
17	55.76	12.00	56.74	11.00	7.00	8.00	-1.00	17	55.76	12.00	56.38	34.20	10.80	9.22	74.00
18	59.04	12.00	56.74	11.00	7.00	8.00	-1.00	18	59.04	12.00	56.38	34.20	10.80	9.22	74.00
19	62.32	12.00	56.74	11.00	7.00	8.00	-1.00								

MISSING DATA VALUE IS -1.00

DATE: MAY 1973

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	O ₂ DO PPM	PH	TURBIDITY %
00	0.0	16.90	62.42	33.60	10.70	8.22	96.00
01	3.28	15.80	62.24	33.50	10.50	8.20	83.00
02	6.56	16.00	63.00	33.70	9.40	8.14	84.00
03	9.84	15.60	60.05	31.70	9.20	8.18	84.00
04	13.12	15.40	59.72	33.80	9.30	8.19	80.00
05	16.40	15.10	59.18	33.80	7.80	8.13	80.00
06	19.68	14.20	57.56	34.10	6.50	8.05	80.00
07	22.96	13.90	57.02	34.00	6.30	8.03	79.00
08	26.24	13.80	56.84	33.90	6.00	8.01	75.00
09	29.52	13.70	56.66	33.90	5.90	8.00	75.00
10	32.80	13.50	56.30	33.90	5.40	7.97	-1.00
11	36.08	13.40	56.12	33.90	5.20	7.96	-1.00
12	39.36	13.40	56.12	33.90	5.20	7.98	-1.00
13	42.64	13.30	55.94	33.90	5.10	7.95	-1.00
14	45.92	13.30	55.94	33.80	5.10	7.94	-1.00
15	49.20	13.20	55.76	33.80	4.90	7.94	-1.00
16	52.48	13.20	55.76	33.70	4.80	7.94	-1.00

DATE: JUNE 1973

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	O ₂ DO PPM	PH	TURBIDITY %
00	0.0	18.20	64.70	33.10	6.20	8.15	79.00
01	3.28	18.30	64.94	33.30	6.00	8.15	79.00
02	6.56	18.20	64.76	33.40	6.20	8.15	79.00
03	9.84	17.90	64.22	31.40	6.30	8.19	78.50
04	13.12	17.80	64.04	31.50	6.10	8.19	80.00
05	16.40	17.60	63.68	33.50	6.00	8.17	80.50
06	19.68	17.40	63.32	33.50	6.00	8.16	80.00
07	22.96	17.20	62.96	33.60	5.80	8.14	79.50
08	26.24	17.00	62.60	33.60	5.00	8.17	79.50
09	29.52	16.80	61.88	33.70	6.00	8.14	81.50
10	32.80	16.20	61.16	31.70	5.70	8.12	81.00
11	36.08	15.40	59.72	33.90	5.10	8.09	80.50
12	39.36	15.00	59.00	33.80	4.70	8.04	79.00
13	42.64	14.50	58.10	33.80	4.50	8.01	78.00
14	45.92	14.40	57.92	33.80	4.30	8.00	74.50
15	49.20	14.30	57.74	33.80	4.10	7.98	72.50
16	52.48	14.20	57.56	31.80	4.20	7.98	70.00
17	55.76	14.10	57.38	33.70	4.20	7.97	66.00
18	59.04	14.00	57.20	33.70	3.90	7.95	63.00
19	62.32	14.00	57.20	33.70	3.80	7.94	58.00
20	65.60	14.00	57.20	33.60	3.60	7.93	53.00

MISSING DATA VALUE IS -1.00

DATE: JULY 1973

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	O ₂ DO PPM	PH	TURBIDITY %
00	0.0	20.00	68.00	32.40	7.30	7.98	-1.00
01	3.28	19.80	67.84	33.30	7.40	7.98	-1.00
02	6.56	19.60	67.28	33.30	7.20	7.99	-1.00
03	9.84	19.30	66.74	33.80	7.00	8.01	-1.00
04	13.12	19.20	66.56	33.80	7.00	8.02	-1.00
05	16.40	19.20	66.56	33.80	6.50	8.02	-1.00
06	19.68	19.00	66.20	33.60	6.50	8.00	-1.00
07	22.96	18.40	65.12	34.20	5.20	7.97	-1.00
08	26.24	17.60	65.32	33.80	5.00	7.95	-1.00
09	29.52	17.10	62.78	33.70	5.00	7.95	-1.00
10	32.80	16.70	62.06	33.70	5.00	7.92	-1.00
11	36.08	16.20	61.16	33.80	4.10	7.90	-1.00
12	39.36	15.90	60.62	33.70	4.50	7.98	-1.00
13	42.64	15.80	60.44	33.80	4.50	7.98	-1.00
14	45.92	15.60	60.08	33.60	4.60	7.86	-1.00
15	49.20	15.40	59.72	33.70	4.40	7.56	-1.00
16	52.48	15.40	59.72	33.60	4.60	7.50	-1.00
17	55.76	15.20	59.36	33.60	4.10	7.85	-1.00
18	59.04	15.10	59.18	33.60	4.00	7.84	-1.00
19	62.32	15.00	59.00	33.60	4.00	7.84	-1.00
20	65.60	14.90	58.82	33.50	4.20	7.84	-1.00

DATE: AUGUST 1973

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	O ₂ DO PPM	PH	TURBIDITY %
00	0.0	18.00	63.48	31.30	9.20	8.20	-1.00
01	3.28	18.20	64.76	33.60	7.20	8.17	-1.00
02	6.56	18.20	64.76	33.50	7.40	8.19	-1.00
03	9.84	18.10	64.58	33.30	7.40	8.19	-1.00
04	13.12	18.10	64.58	33.30	8.00	8.19	-1.00
05	16.40	17.90	63.98	33.40	7.50	8.11	-1.00
06	19.68	17.70	63.32	33.50	7.40	8.14	-1.00
07	22.96	17.40	63.32	33.40	7.50	8.16	-1.00
08	26.24	17.00	63.88	33.40	7.60	8.16	-1.00
09	29.52	17.00	63.14	33.40	7.00	8.11	-1.00
10	32.80	16.20	61.16	33.50	6.30	8.05	-1.00
11	36.08	15.80	60.44	33.60	6.20	8.02	-1.00
12	39.36	15.40	59.72	33.60	5.60	7.99	-1.00
13	42.64	15.30	59.54	33.50	5.60	7.98	-1.00
14	45.92	15.00	59.00	33.40	5.40	7.96	-1.00
15	49.20	15.00	59.00	33.40	5.40	7.96	-1.00
16	52.48	14.90	58.82	33.60	5.30	7.96	-1.00
17	55.76	14.90	58.82	33.40	5.30	7.96	-1.00
18	59.04	14.80	58.64	33.40	5.30	7.95	-1.00
19	62.32	14.80	58.64	33.40	5.20	7.94	-1.00
20	65.60	14.60	58.82	33.40	5.20	7.94	-1.00

MISSING DATA VALUE IS -1.00

DATE: SEPTEMBER 1973

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY	D.O2 PPM	PH	TURBIDITY M.LON CONC
00	0.0	17.80	64.04	32.90	8.70	-1.00
01	3.28	17.80	64.04	33.10	8.60	-1.00
02	6.56	17.80	64.04	33.20	8.60	-1.00
03	9.84	17.80	64.04	33.20	8.70	-1.00
04	13.12	17.80	64.04	33.20	8.50	-1.00
05	16.40	17.80	64.04	33.20	8.10	-1.00
06	19.68	17.80	64.04	33.20	8.80	-1.00
07	22.96	17.70	63.86	33.20	8.00	-1.00
08	26.24	17.60	63.48	33.60	8.00	-1.00
09	29.52	17.20	62.96	33.50	7.50	-1.00
10	32.80	16.90	61.88	33.50	6.90	-1.00
11	36.08	16.30	61.34	33.50	6.00	-1.00
12	39.36	16.20	61.16	33.40	6.60	-1.00
13	42.64	16.00	60.80	33.40	6.60	-1.00
14	45.92	15.80	60.44	33.30	6.20	-1.00
15	49.20	15.60	60.08	33.40	6.30	-1.00
16	52.48	15.60	60.08	33.40	5.90	-1.00
17	55.76	15.40	59.72	33.40	5.80	-1.00
18	59.04	15.40	59.72	33.40	6.00	-1.00
19	62.32	15.30	59.54	33.40	5.60	-1.00
20	65.60	15.30	59.54	33.40	5.30	-1.00
21	68.88	15.30	59.54	33.40	5.40	-1.00

DATE: NOVEMBER 1973

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY	D.O2 PPM	PH	TURBIDITY M.LON CONC
00	0.0	15.30	59.54	33.50	4.80	7.32
01	3.28	14.30	59.54	33.50	4.80	7.33
02	6.56	15.20	59.36	33.60	4.70	7.33
03	9.84	15.20	59.36	33.60	4.90	7.34
04	13.12	15.20	59.36	33.60	4.80	7.35
05	16.40	15.20	59.36	33.70	4.90	7.15
06	19.68	15.20	59.36	33.70	4.80	7.36
07	22.96	15.20	59.36	33.70	5.00	7.40
08	26.24	15.20	59.36	33.80	5.10	7.40
09	29.52	15.20	59.36	33.80	5.10	7.40
10	32.80	15.20	59.36	33.80	5.20	7.42
11	36.08	15.20	59.36	33.80	5.30	7.43
12	39.36	15.20	59.36	33.80	5.20	7.43
13	42.64	15.10	59.18	33.90	5.30	7.44
14	45.92	15.00	59.00	33.90	5.40	7.45
15	49.20	15.00	59.00	33.90	5.60	7.46
16	52.48	14.80	58.64	33.90	5.70	7.48
17	55.76	14.70	58.46	34.00	5.70	7.48
18	59.04	14.60	58.28	34.30	5.70	7.49
19	62.32	14.60	57.20	34.10	5.80	7.49
20	65.60	14.60	57.50	34.10	5.80	7.49
21	68.88	14.60	57.56	34.00	5.70	7.49

DATE: OCTOBER 1973

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY	D.O2 PPM	PH	TURBIDITY M.LON CONC
00	0.0	17.20	62.96	32.70	6.20	8.03
01	3.28	17.20	62.96	33.10	6.60	8.07
02	6.56	17.20	62.96	33.10	7.10	8.09
03	9.84	17.20	62.96	33.15	6.80	8.11
04	13.12	17.10	62.78	33.20	6.80	8.16
05	16.40	17.00	62.60	33.20	6.80	8.16
06	19.68	17.00	62.60	33.20	7.20	8.15
07	22.96	17.00	62.60	33.20	7.40	8.16
08	26.24	16.70	62.06	33.50	7.40	8.14
09	29.52	16.60	61.88	33.50	7.00	8.14
10	32.80	16.90	62.42	33.40	6.80	8.15
11	36.08	16.20	61.16	33.30	6.40	8.14
12	39.36	16.00	60.80	33.30	6.20	8.12
13	42.64	15.80	60.44	33.40	5.80	8.12
14	45.92	15.70	60.26	33.40	6.00	8.12
15	49.20	15.60	60.08	33.40	6.20	8.12
16	52.48	15.60	60.08	33.40	5.00	8.13
17	55.76	15.50	59.90	33.40	5.20	8.14
18	59.04	15.50	59.90	33.40	5.10	8.14

DATE: DECEMBER 1973

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY	D.O2 PPM	PH	TURBIDITY M.LON CONC
00	0.0	-1.00	-1.00	-1.00	5.30	7.90
01	3.28	-1.00	-1.00	-1.00	5.40	7.88
02	6.56	-1.00	-1.00	-1.00	5.00	7.88
03	9.84	-1.00	-1.00	-1.00	5.20	7.88
04	13.12	-1.00	-1.00	-1.00	5.00	7.90
05	16.40	-1.00	-1.00	-1.00	5.20	7.90
06	19.68	-1.00	-1.00	-1.00	5.10	7.90
07	22.96	-1.00	-1.00	-1.00	5.10	7.90
08	26.24	-1.00	-1.00	-1.00	5.60	7.92
09	29.52	-1.00	-1.00	-1.00	5.40	7.92
10	32.80	-1.00	-1.00	-1.00	5.40	7.92
11	36.08	-1.00	-1.00	-1.00	5.30	7.93
12	39.36	-1.00	-1.00	-1.00	5.20	7.93
13	42.64	-1.00	-1.00	-1.00	5.40	7.94
14	45.92	-1.00	-1.00	-1.00	5.30	7.94
15	49.20	-1.00	-1.00	-1.00	5.50	7.96
16	52.48	-1.00	-1.00	-1.00	5.60	7.97
17	55.76	-1.00	-1.00	-1.00	5.50	7.98
18	59.04	-1.00	-1.00	-1.00	5.60	7.98
19	62.32	-1.00	-1.00	-1.00	5.70	8.00
20	65.60	-1.00	-1.00	-1.00	5.70	8.00
21	68.88	-1.00	-1.00	-1.00	5.50	8.00

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

DATE: JANUARY 1974

STATION: BS GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS FEET	TEMPERATURE F °C	SALINITY ‰	O ₂ D PPM	PH	TURBIDITY MILLION CONC
00	64.0	56.12	30.90	6.70	67.00
01	3.28	56.12	31.90	6.60	87.00
02	6.56	56.12	32.40	6.70	86.00
03	9.84	55.94	32.70	7.00	85.00
04	13.12	55.76	32.95	7.10	83.00
05	16.40	55.76	33.10	7.20	83.50
06	19.68	55.58	33.20	7.40	84.00
07	22.96	55.40	33.30	7.50	83.00
08	26.24	55.40	33.50	7.60	79.50
09	29.52	55.40	33.50	7.70	79.50
10	32.80	55.22	33.50	7.70	77.00
11	36.08	55.22	33.50	7.80	76.50
12	39.36	55.22	33.60	7.80	76.50
13	42.64	55.22	33.60	7.80	77.00
14	45.92	55.22	33.60	7.70	74.00
15	49.20	55.04	33.60	7.80	69.00
16	52.48	55.04	33.60	7.80	64.50
17	55.76	55.04	33.60	7.80	63.00
18	59.04	55.04	33.60	7.80	61.00

DATE: MARCH 1974

STATION: BS GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS FEET	TEMPERATURE F °C	SALINITY ‰	O ₂ D PPM	PH	TURBIDITY MILLION CONC
01	64.0	56.12	31.50	7.70	74.12
02	3.24	56.12	31.35	7.60	86.40
03	6.46	56.12	31.35	7.50	81.00
04	9.64	56.12	31.35	7.40	82.00
05	13.12	56.02	31.45	7.40	83.50
06	16.40	56.02	31.45	7.40	83.50
07	19.68	56.02	31.45	7.40	81.00
08	22.96	56.02	31.45	7.40	81.00
09	26.24	56.02	31.45	7.40	81.00
10	29.52	56.02	31.45	7.40	81.00
11	32.80	56.02	31.45	7.40	81.00
12	36.08	56.02	31.45	7.40	81.00
13	39.36	56.02	31.45	7.40	81.00
14	42.64	56.02	31.45	7.40	81.00
15	45.92	56.02	31.45	7.40	81.00
16	49.20	56.02	31.45	7.40	81.00
17	52.48	56.02	31.45	7.40	81.00
18	55.76	56.02	31.45	7.40	81.00

DATE: APRIL 1974

STATION: BS GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS FEET	TEMPERATURE F °C	SALINITY ‰	O ₂ D PPM	PH	TURBIDITY MILLION CONC
01	64.0	56.12	30.60	7.20	-1.00
02	3.29	56.12	30.60	7.10	-1.00
03	6.56	56.12	30.60	7.10	-1.00
04	9.84	56.12	30.60	7.10	-1.00
05	13.12	56.12	30.60	7.10	-1.00
06	16.40	56.12	30.60	7.10	-1.00
07	19.68	56.12	30.60	7.10	-1.00
08	22.96	56.12	30.60	7.10	-1.00
09	26.24	56.12	30.60	7.10	-1.00
10	29.52	56.12	30.60	7.10	-1.00
11	32.80	56.12	30.60	7.10	-1.00
12	36.08	56.12	30.60	7.10	-1.00
13	39.36	56.12	30.60	7.10	-1.00
14	42.64	56.12	30.60	7.10	-1.00
15	45.92	56.12	30.60	7.10	-1.00
16	49.20	56.12	30.60	7.10	-1.00
17	52.48	56.12	30.60	7.10	-1.00
18	55.76	56.12	30.60	7.10	-1.00

MISSING DATA VALUE IS -1.0

MISSING DATA VALUE IS -1.0

DATE: MAY 1974

STATION: RS GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS FEET	TEMPERATURE C F	SALINITY* ‰	D.O2 PPM	PH	TURBIDITY ION CONC %
00	0+0	15.70	30.26	31.85	6.50
01	3.28	15.60	30.08	31.95	6.60
02	6.56	15.70	30.26	31.95	6.70
03	9.84	15.70	30.26	31.95	6.80
04	13.12	15.50	29.90	31.95	6.90
05	16.40	14.30	29.54	32.05	6.40
06	19.68	15.20	29.36	32.05	6.30
07	22.96	15.20	29.16	32.10	6.30
08	26.24	14.80	28.64	32.15	6.10
09	29.52	14.50	28.10	32.25	5.90
10	32.80	14.30	28.10	32.05	5.90
11	36.08	14.50	28.10	32.15	5.90
12	39.36	14.50	28.10	32.10	5.90
13	42.64	14.50	28.10	32.05	5.90
14	45.92	14.40	27.92	32.00	5.90
15	49.20	14.10	27.78	31.95	5.80
16	52.48	14.10	27.58	32.05	5.70
17	55.76	14.10	27.38	31.95	5.70
18	59.04	14.10	27.38	32.00	5.70
19	62.32	14.90	27.02	31.95	5.60

* Possible probe malfunction

DATE: JULY 1974

STATION: RS GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS FEET	TEMPERATURE C F	SALINITY* ‰	D.O2 PPM	PH	TURBIDITY ION CONC %
00	0+0	20.00	68.00	-1.00	13.00
01	3.28	19.60	67.10	-1.00	10.70
02	6.56	19.30	66.74	-1.00	10.20
03	9.84	19.00	66.20	-1.00	10.50
04	13.12	18.80	65.84	-1.00	9.40
05	16.40	18.50	65.30	-1.00	8.70
06	19.68	17.50	63.50	-1.00	7.90
07	22.96	17.00	62.60	-1.00	6.60
08	26.24	16.00	60.80	-1.00	6.20
09	29.52	15.60	60.08	-1.00	6.00
10	32.80	15.10	59.18	-1.00	5.40
11	36.08	15.10	59.18	-1.00	5.30
12	39.36	15.00	59.00	-1.00	5.20
13	42.64	15.00	59.00	-1.00	5.10
14	45.92	14.50	58.82	-1.00	5.20
15	49.20	14.50	58.82	-1.00	5.10
16	52.48	14.80	58.64	-1.00	5.10
17	55.76	14.80	58.64	-1.00	5.00
18	59.04	14.80	58.64	-1.00	5.10
19	62.32	14.80	58.64	-1.00	4.30
20	65.60	14.80	58.64	-1.00	5.00

DATE: JUNE 1974

STATION: RS GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS FEET	TEMPERATURE C F	SALINITY* ‰	D.O2 PPM	PH	TURBIDITY ION CONC %
00	0+0	16.50	65.30	10.40	13.70
01	3.28	16.50	65.30	10.50	12.70
02	6.56	16.30	64.94	10.70	12.10
03	9.84	16.20	64.76	10.70	11.20
04	13.12	16.20	64.76	10.70	11.20
05	16.40	16.00	64.40	10.70	10.00
06	19.68	17.90	64.22	10.80	10.00
07	22.96	17.50	63.50	10.80	9.30
08	26.24	17.00	62.60	11.00	9.20
09	29.52	16.30	61.34	11.20	8.10
10	32.80	16.00	60.80	11.10	7.70
11	36.08	15.90	60.64	11.20	7.40
12	39.36	15.90	60.62	10.90	7.20
13	42.64	15.80	60.44	11.00	7.20
14	45.92	15.70	60.26	11.00	7.10
15	49.20	15.20	59.36	11.30	6.80
16	52.48	15.00	59.00	11.50	6.30

* Possible probe malfunction

MISSING DATA VALUE IS -1.0

DATE: AUGUST 1974

STATION: RS GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS FEET	TEMPERATURE C F	SALINITY* ‰	D.O2 PPM	PH	TURBIDITY ION CONC %
00	0+0	20.60	69.08	32.50	9.00
01	3.28	20.30	68.54	32.70	8.40
02	6.56	20.20	68.36	32.70	8.50
03	9.84	20.10	68.18	32.70	8.40
04	13.12	20.00	68.00	32.70	8.20
05	16.40	19.90	67.82	32.80	7.60
06	19.68	19.00	66.20	33.00	6.80
07	22.96	18.50	65.30	33.00	6.20
08	26.24	18.10	64.56	33.20	5.80
09	29.52	18.10	64.56	33.20	5.80
10	32.80	17.60	63.68	33.10	5.20
11	36.08	17.30	63.14	33.20	4.90
12	39.36	16.80	62.24	33.40	4.40
13	42.64	16.80	61.88	33.40	4.30
14	45.92	16.40	61.52	33.30	3.80
15	49.20	16.10	60.98	33.50	3.70
16	52.48	16.00	60.80	33.30	3.80
17	55.76	16.00	60.80	13.30	3.80
18	59.04	15.90	60.62	33.40	3.70
19	62.32	15.90	60.62	33.40	3.60
20	65.60	15.90	60.62	33.40	3.50

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1974

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰ PPM	O ₂ PPM	PH	TURBIDITY NTU
00	19.60	33.30	6.20	8.02	62.00
01	19.60	33.30	6.40	8.01	69.00
02	19.40	33.40	6.20	7.98	73.00
03	19.20	33.50	5.40	7.90	76.50
04	18.00	33.50	4.50	7.82	76.50
05	18.40	33.50	4.40	7.72	76.00
06	18.40	33.50	3.40	7.62	76.50
07	22.96	33.60	3.10	7.56	78.50
08	26.24	33.60	3.20	7.53	78.00
09	29.52	33.60	2.20	7.50	78.00
10	32.80	33.50	2.50	7.43	77.50
11	36.08	33.50	2.50	7.50	77.50
12	39.36	33.50	1.40	7.40	73.00
13	42.64	33.50	1.30	7.41	65.00
14	45.92	33.50	1.30	7.40	59.50
15	49.20	33.50	1.20	7.48	57.00
16	52.48	33.50	1.20	7.49	53.00
17	55.76	33.50	1.10	7.49	51.50
18	59.04	33.50	1.00	7.50	49.50
19	62.32	33.50	-1.00	-1.00	47.50

DATE: NOVEMBER 1974

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰ PPM	O ₂ PPM	PH	TURBIDITY NTU
00	19.10	33.60	7.50	7.98	92.00
01	19.10	33.60	7.60	7.98	94.50
02	18.50	33.60	7.50	7.97	94.00
03	18.50	33.60	7.30	7.99	93.00
04	18.00	33.60	7.50	7.99	93.00
05	16.40	33.60	7.50	7.99	93.50
06	19.68	33.60	7.60	8.00	94.00
07	22.96	33.60	7.80	8.00	93.00
08	26.24	33.60	7.90	8.00	92.00
09	29.52	33.60	7.60	8.00	90.00
10	32.80	33.60	7.60	8.00	87.00
11	36.08	33.60	7.70	8.02	83.00
12	39.36	33.60	7.80	8.02	78.00
13	42.64	33.60	7.60	8.02	80.00
14	45.92	33.60	7.40	8.02	81.50
15	49.20	33.60	7.20	8.02	83.50
16	52.48	33.60	7.00	8.01	86.00
17	55.76	33.60	6.80	8.01	79.00
18	59.04	33.60	6.60	8.02	75.00

DATE: DECEMBER 1974

STATION: 85 GERALD DESMOND BRIDGE FIRE STN

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰ PPM	O ₂ PPM	PH	TURBIDITY NTU
00	16.00	33.20	5.60	7.81	52.50
01	16.00	33.20	5.50	7.82	67.50
02	16.00	33.20	5.70	7.83	66.50
03	16.00	33.20	5.80	7.84	65.50
04	15.90	33.20	5.80	7.85	65.00
05	15.90	33.20	5.70	7.85	64.50
06	15.80	33.20	5.90	7.84	66.00
07	15.50	33.30	5.90	7.85	64.00
08	15.10	33.40	5.90	7.90	71.00
09	15.10	33.40	5.90	7.91	58.50
10	15.00	33.40	5.90	7.91	67.50
11	15.00	33.40	5.90	7.91	66.50
12	15.00	33.40	5.70	7.92	63.50
13	15.00	33.40	5.80	7.93	65.50
14	14.90	33.40	5.80	7.93	64.00
15	14.80	33.40	5.90	7.97	61.00
16	14.80	33.40	5.80	7.96	58.50
17	14.70	33.40	5.80	7.97	55.50
18	14.70	33.40	5.80	7.97	50.00
19	14.50	33.40	5.80	7.96	46.50
20	14.50	33.40	5.40	7.95	42.00
21	14.50	33.40	5.40	7.95	42.00

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰ PPM	O ₂ PPM	PH	TURBIDITY NTU
00	14.50	33.10	5.10	8.16	76.00
01	13.28	32.10	5.40	8.17	86.50
02	12.56	32.10	5.40	8.18	87.50
03	12.84	32.10	5.40	8.19	87.50
04	13.12	32.10	5.50	8.22	87.00
05	16.40	32.10	5.50	8.23	86.50
06	19.68	32.10	5.60	8.24	83.50
07	22.96	32.10	5.70	8.25	82.00
08	26.24	32.10	5.80	8.26	80.00
09	29.52	32.10	5.80	8.27	80.00
10	32.80	32.10	5.80	8.27	78.00
11	36.08	32.10	5.70	8.27	73.50
12	39.36	32.10	5.80	8.27	74.00
13	42.64	32.10	5.90	8.27	72.00
14	45.92	32.10	5.90	8.30	69.00
15	49.20	32.10	5.80	8.31	67.50
16	52.48	32.10	5.80	8.31	67.50
17	55.76	32.10	5.80	8.31	64.00
18	59.04	32.10	5.80	8.31	75.00
19	62.32	32.10	5.80	8.31	-1.00

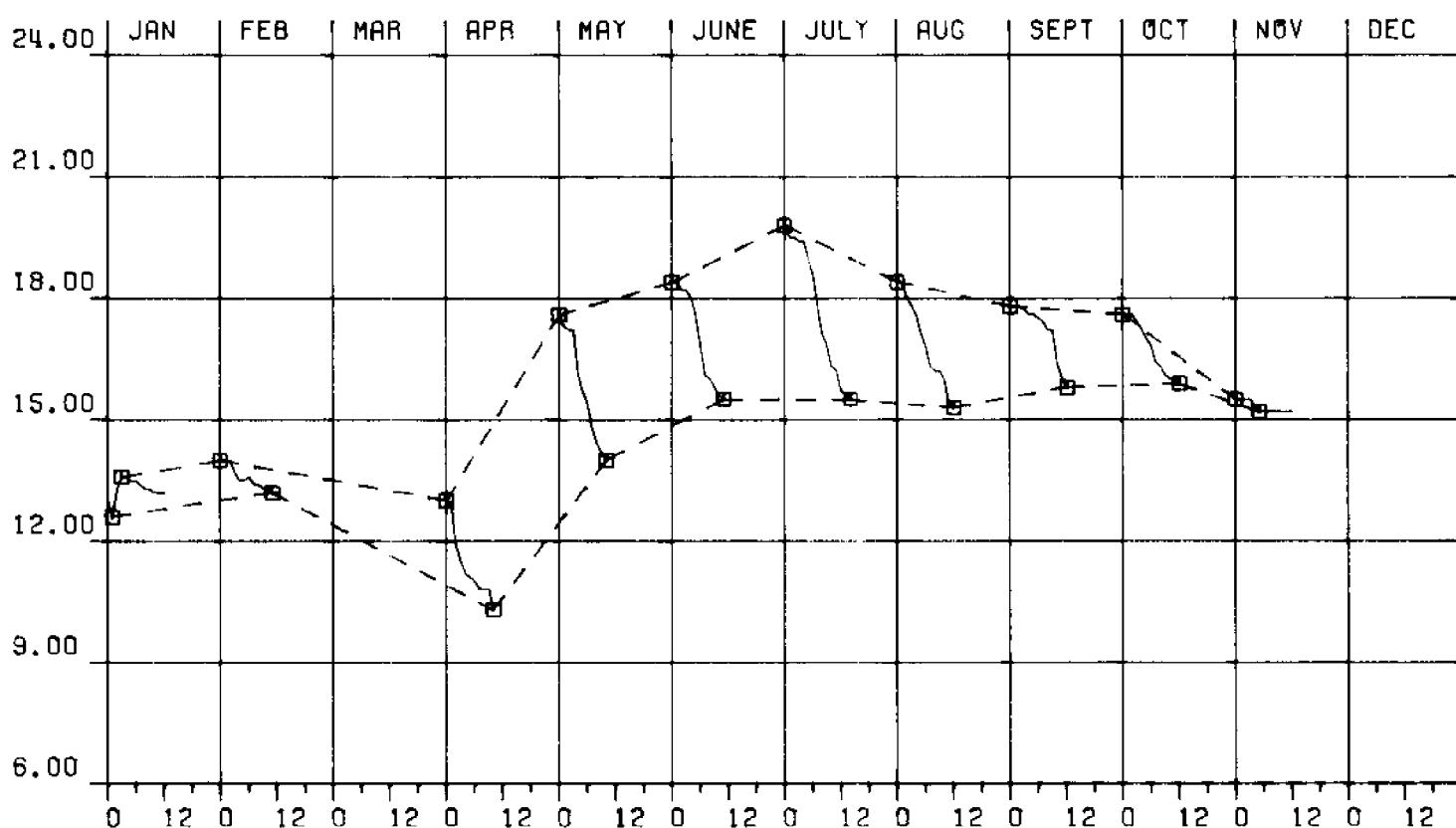
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B6 LB CHANN. TWO, BERTHS 74-76

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

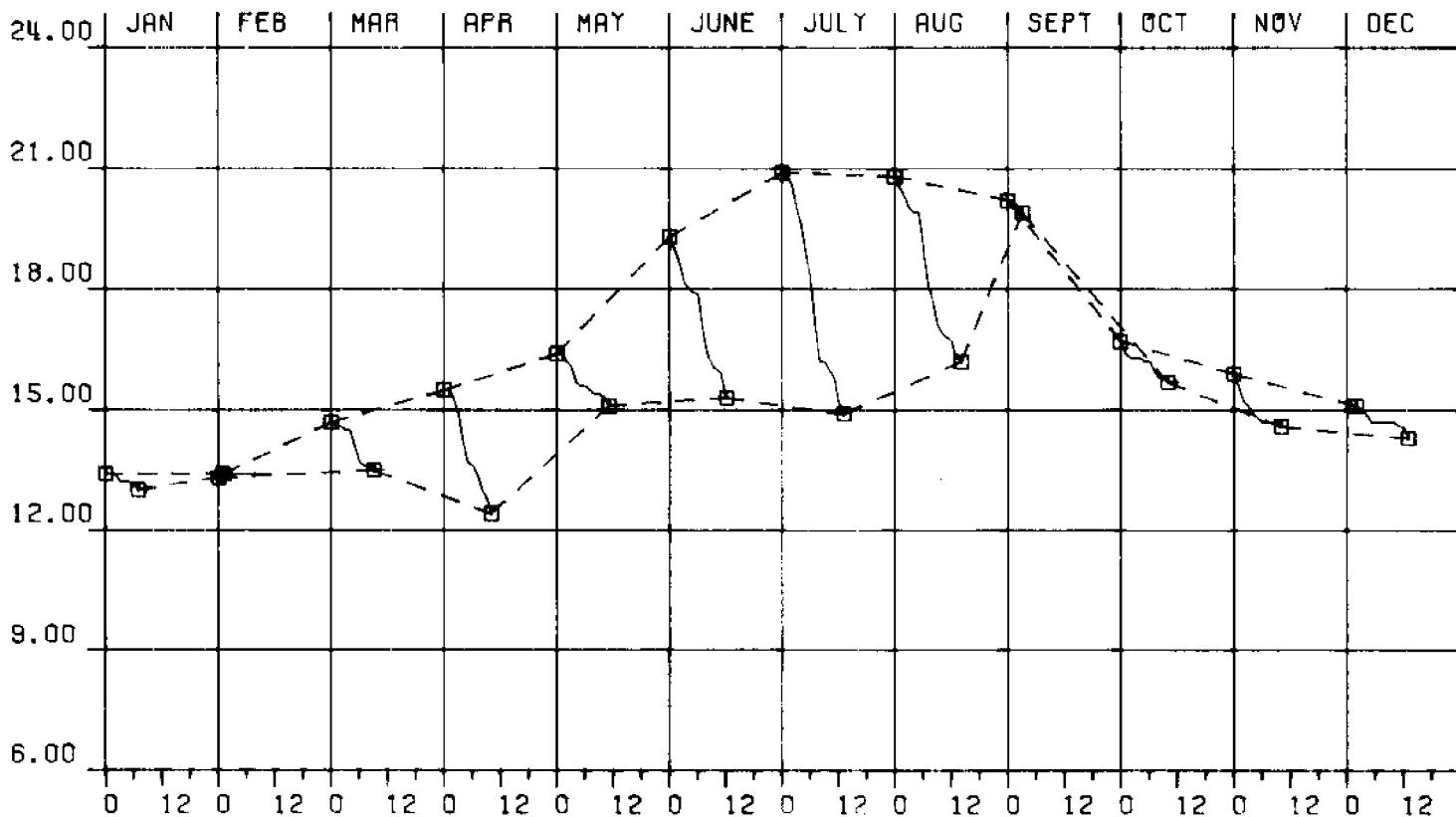


B6 LB CHANN. TWO, BERTHS 74-76

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

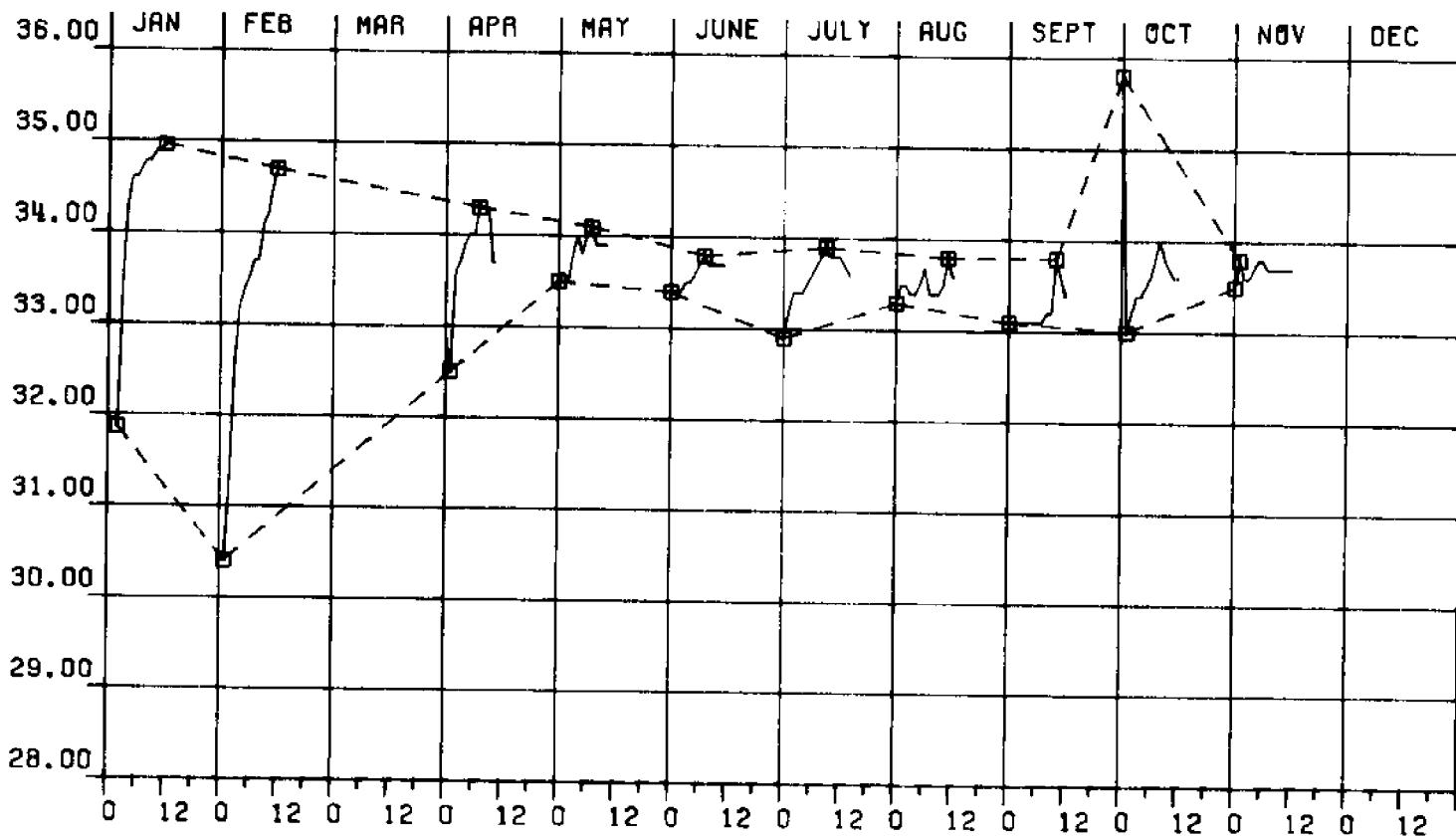


B6 LB CHANN. TWO, BERTHS 74-76

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. SALINITY PPT

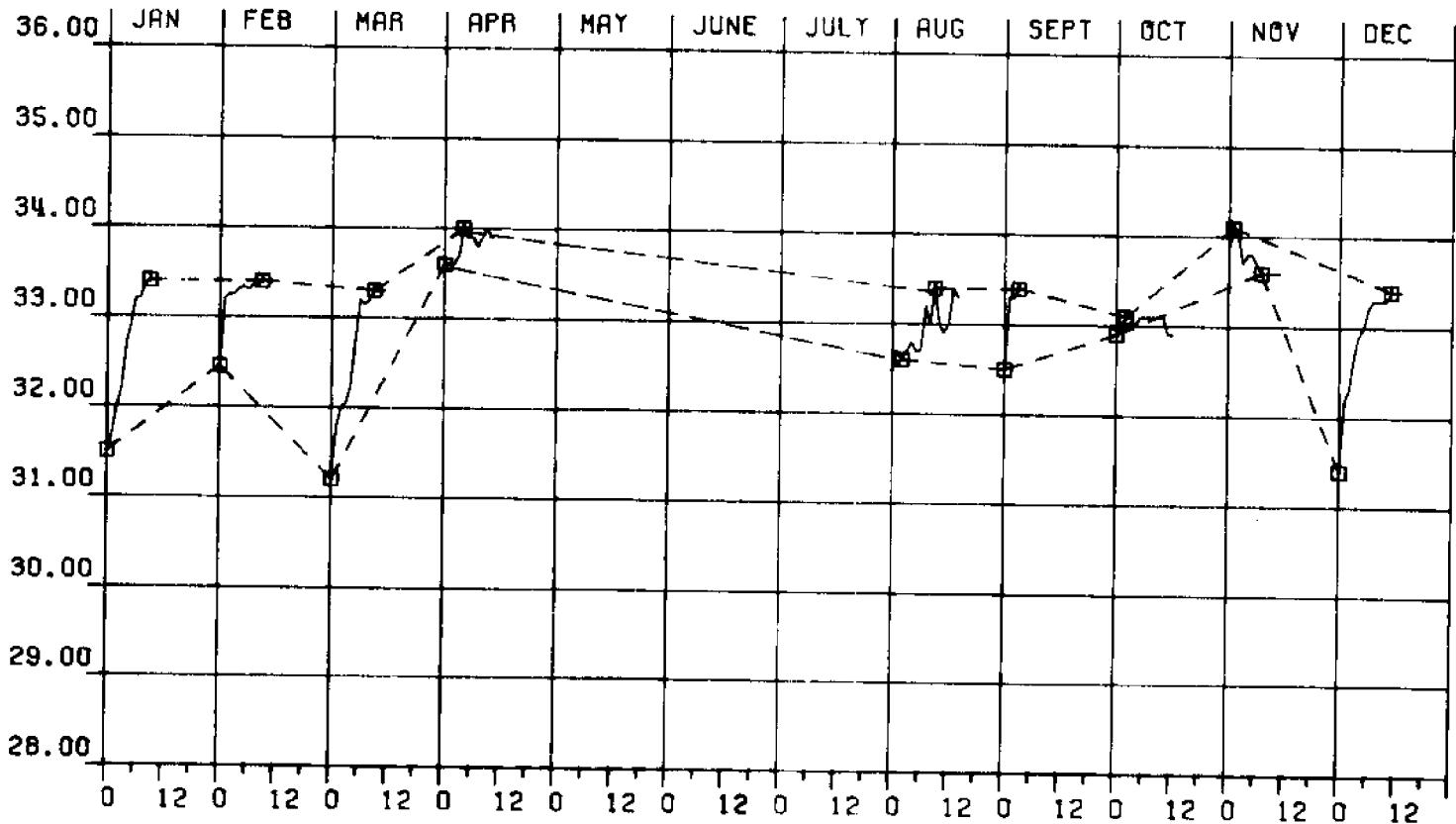


B6 LB CHANN. TWO, BERTHS 74-76

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. SALINITY PPT

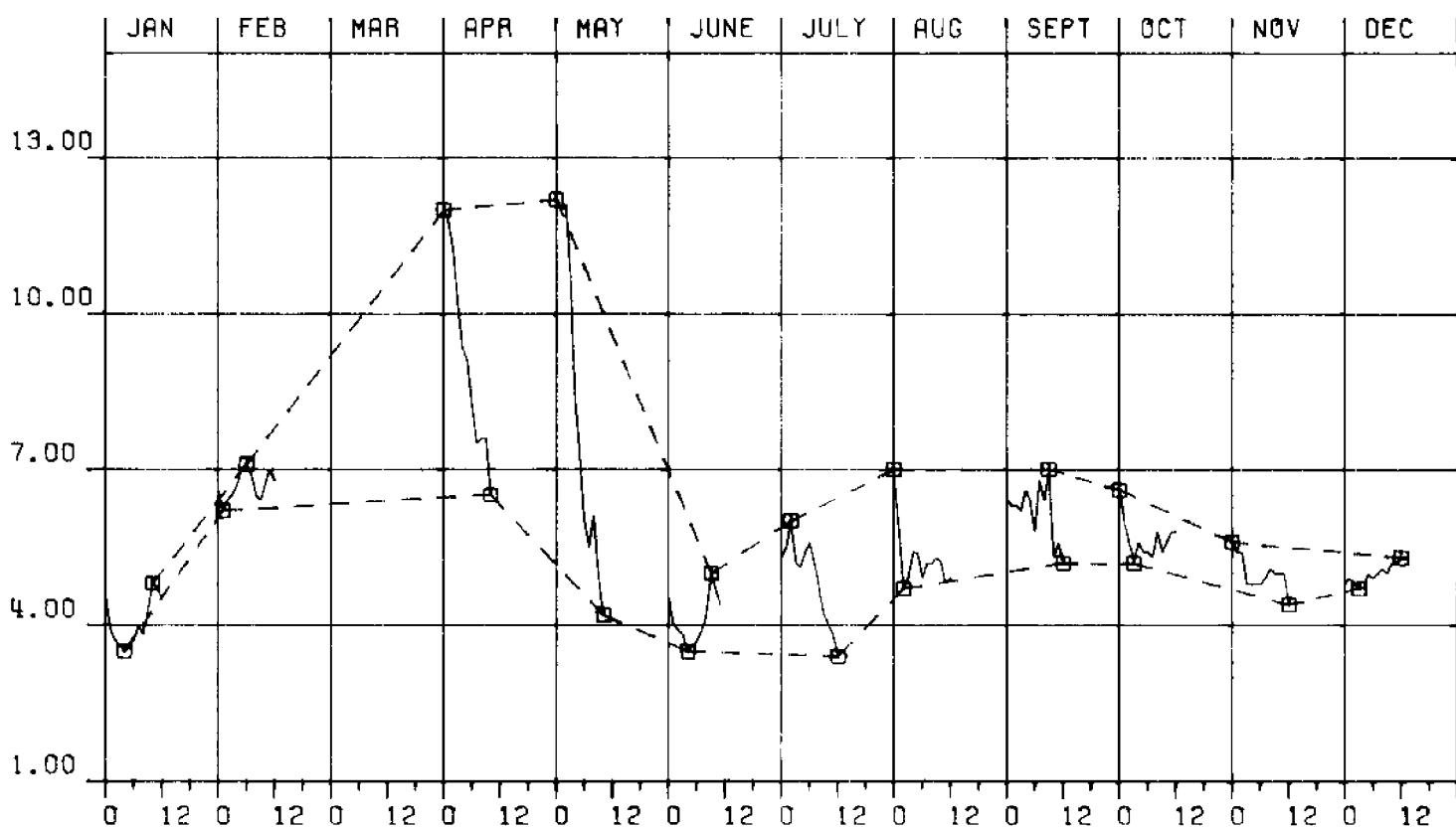


B6 LB CHANN. TWO, BERTHS 74-76

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM

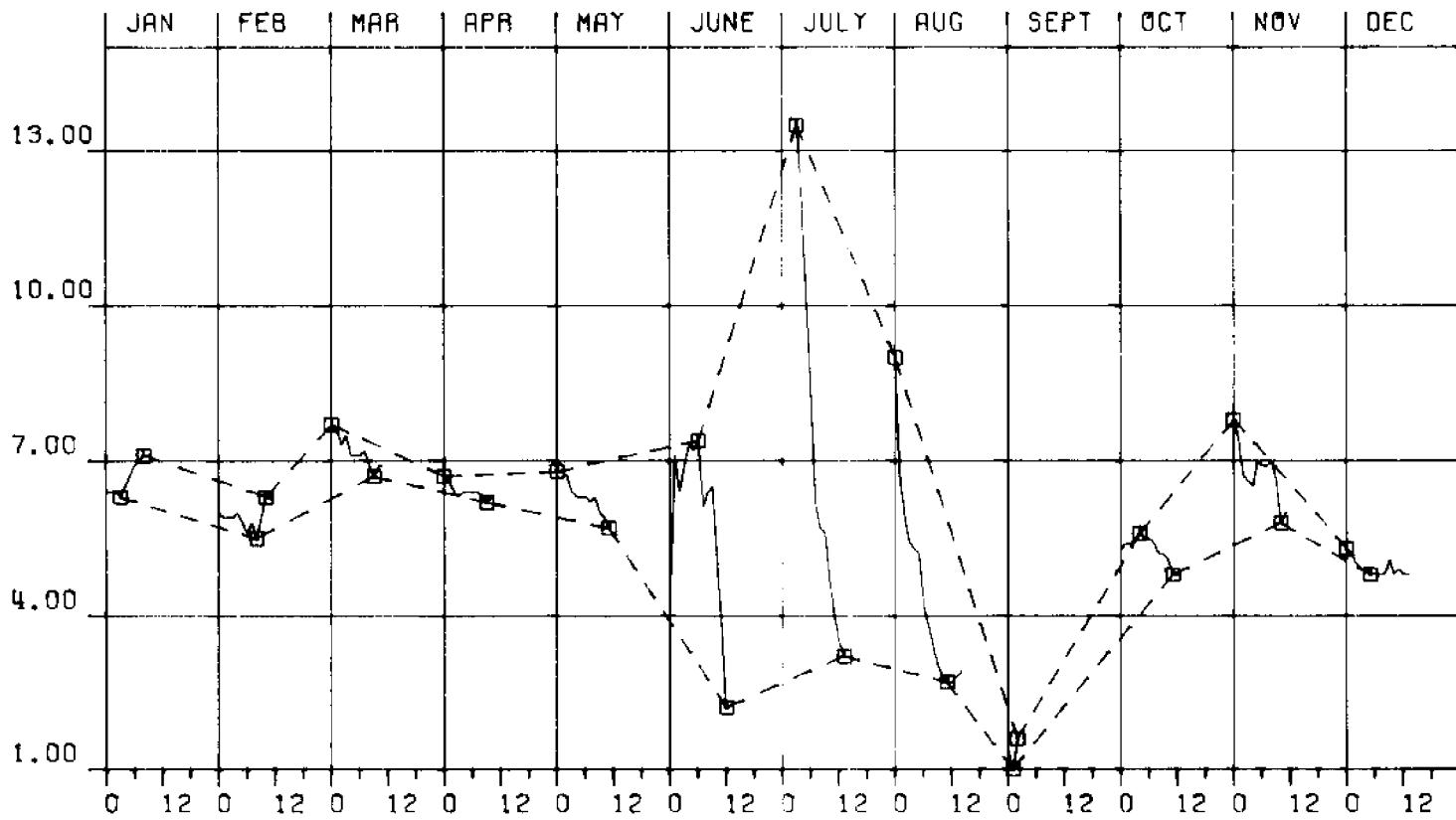


B6 LB CHANN. TWO, BERTHS 74-76

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM

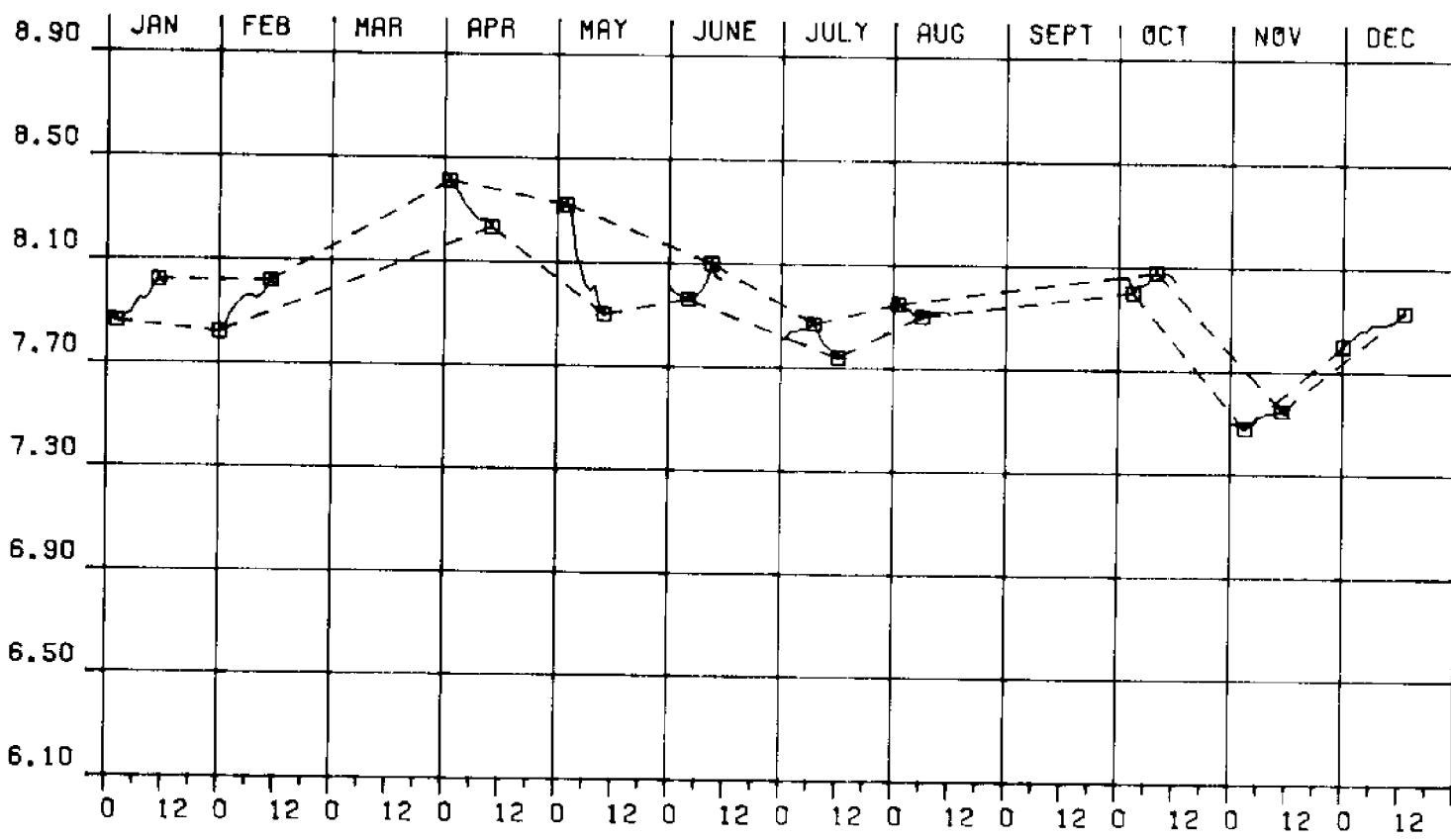


B6 LB CHANN. TWO, BERTHS 74-76

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. PH H ION CONC

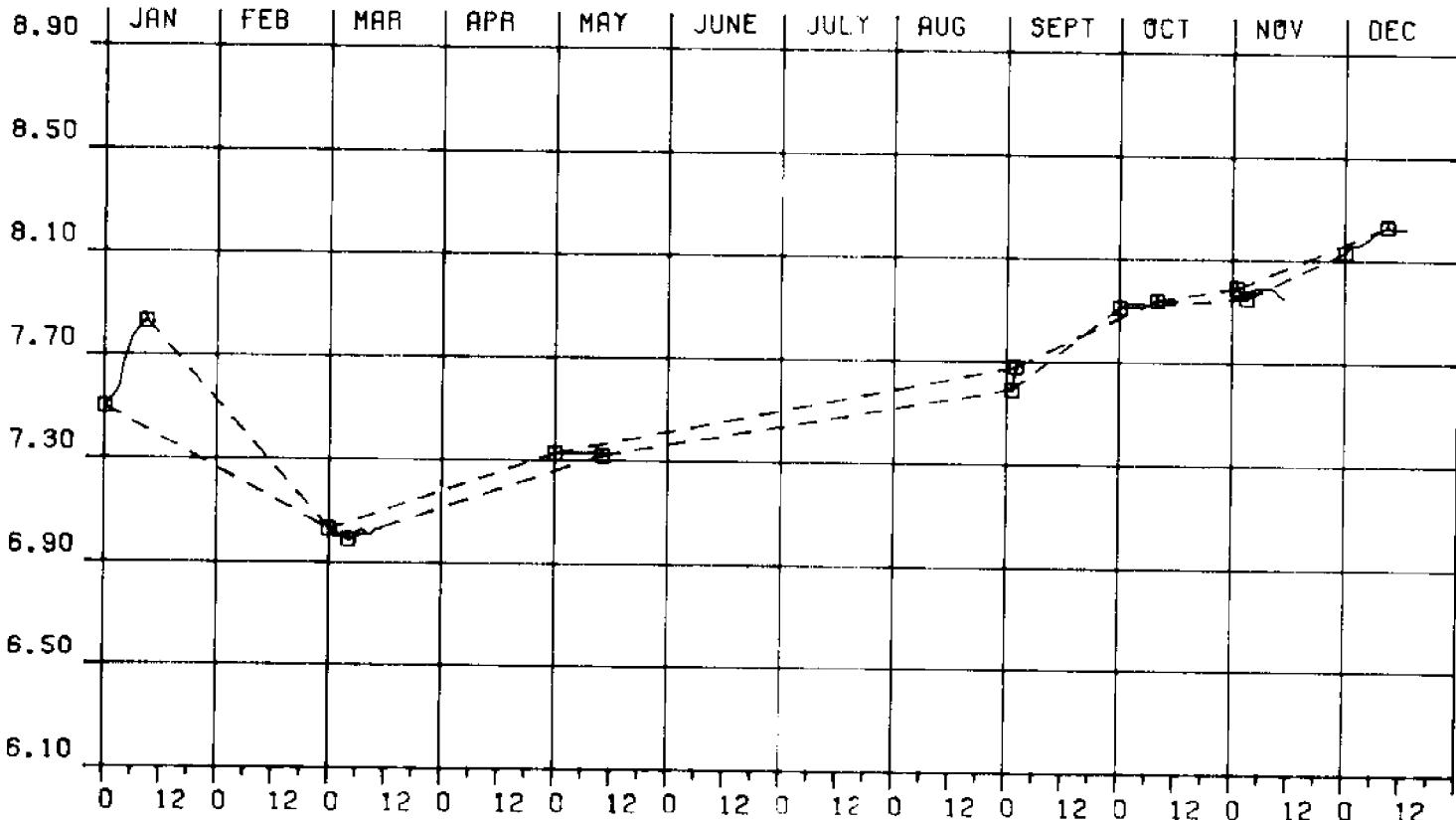


B6 LB CHANN. TWO, BERTHS 74-76

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. PH H ION CONC



DATE: JANUARY 1973

STATION: 86 LB CHANNEL TWO, BERTHS 74-76

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	O.02 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	13.00	55.40	-1.00	4.50	7.89
01	3.28	12.60	54.98	+1.00	3.90	7.87
02	6.56	11.30	55.94	31.87	3.70	7.86
03	9.84	11.00	56.48	33.48	3.60	7.86
04	13.12	11.60	56.48	34.32	3.50	7.86
05	16.40	13.50	56.30	34.60	3.60	7.89
06	19.68	13.50	56.30	34.60	3.70	7.92
07	22.96	13.40	56.12	34.69	4.00	7.95
08	26.24	13.30	55.94	34.78	3.80	7.94
09	29.52	13.30	55.94	34.78	4.30	7.96
10	32.80	13.20	55.76	34.88	4.80	8.00
11	36.08	13.20	55.76	34.88	4.70	8.02
12	39.36	13.20	55.76	34.96	4.50	8.01

DATE: FEBRUARY 1973

STATION: 86 LB CHANNEL TWO, BERTHS 74-76

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	O.02 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	14.00	57.20	-1.00	6.80	7.82
01	3.28	14.30	57.20	30.40	6.20	7.83
02	6.56	14.30	57.20	31.30	6.40	7.88
03	9.84	14.70	56.66	32.60	6.50	7.91
04	13.12	14.50	56.30	33.20	6.70	7.93
05	16.40	13.90	56.30	33.40	7.00	7.95
06	19.68	13.40	56.49	33.50	7.10	7.96
07	22.96	13.10	56.12	33.70	6.90	7.96
08	26.24	13.40	56.12	33.70	6.50	7.95
09	29.52	13.30	55.94	34.10	6.40	7.96
10	32.80	13.30	55.94	34.20	6.70	7.99
11	36.08	13.20	55.76	34.50	7.00	8.02
12	39.36	13.20	55.76	34.70	6.80	8.00

DATE: MARCH 1973

STATION: 86 E CERRITOS CHANNEL, GEN OCEANOG DOCK

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	O.02 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	14.10	57.20	32.20	7.80	8.12
01	3.28	14.00	57.20	32.20	7.80	8.12
02	6.56	13.90	57.02	32.30	7.70	8.11
03	9.84	13.90	57.02	32.30	7.70	8.11
04	13.12	13.90	57.02	32.30	7.60	8.11
05	16.40	13.80	56.84	32.50	7.50	8.11
06	19.68	13.80	56.84	32.50	7.50	8.11
07	22.96	13.80	56.84	32.50	7.40	8.11
08	26.24	13.80	56.84	32.50	7.40	8.11
09	29.52	13.80	56.84	32.60	7.40	8.11

DATE: APRIL 1973

STATION: 86 LR CHANNEL TWO, BERTHS 74-76

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	O.02 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	13.00	55.40	32.40	12.00	8.40
01	3.28	12.90	55.22	32.50	11.80	8.41
02	6.56	11.90	53.42	33.60	11.20	8.38
03	9.84	11.50	52.70	33.70	10.20	8.36
04	13.12	11.20	52.16	33.90	9.30	8.32
05	16.40	11.10	51.98	34.00	9.10	8.30
06	19.68	11.00	51.80	34.00	8.20	8.28
07	22.96	10.80	51.44	34.30	7.50	8.26
08	26.24	10.80	51.44	34.30	7.60	8.26
09	29.52	10.80	51.44	34.30	7.60	8.26
10	32.80	10.30	50.54	33.70	6.50	8.23

DATE: MAY 1973

STATION: 86 LR CHANNEL TWO, BERTHS 74-76

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	O.02 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	17.50	63.68	33.50	12.20	8.30
01	3.28	17.30	63.14	33.60	12.00	8.31
02	6.56	17.20	62.96	33.50	12.10	8.32
03	9.84	17.20	62.96	33.80	10.70	8.28
04	13.12	16.10	60.98	34.00	8.30	8.12
05	16.40	15.70	60.26	33.80	7.30	8.08
06	19.68	15.40	59.72	34.00	6.00	8.01
07	22.96	14.80	58.54	34.10	5.30	7.99
08	26.24	14.80	57.92	33.90	6.10	8.01
09	29.52	14.20	57.56	33.90	4.90	7.93
10	32.80	14.00	57.20	33.90	4.20	7.90

DATE: JUNE 1973

STATION: 86 LB CHANNEL TWO, BERTHS 74-76

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	O.02 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	18.40	65.12	33.40	4.50	8.01
01	3.28	18.40	65.12	34.40	4.00	7.99
02	6.56	18.20	64.76	33.40	3.90	7.98
03	9.84	18.20	64.76	33.50	3.80	7.97
04	13.12	18.00	64.40	33.50	3.50	7.96
05	16.40	17.80	63.68	33.60	3.60	7.97
06	19.68	16.80	62.24	33.70	3.70	7.98
07	22.96	16.10	60.98	33.80	3.90	8.00
08	26.24	16.00	60.80	33.70	4.20	8.03
09	29.52	15.80	60.44	33.70	5.00	8.10
10	32.80	15.60	60.08	33.70	4.70	8.05
11	36.08	15.50	59.90	33.70	4.40	8.04

MISSING DATA VALUE IS -1.0

DATE: JULY 1973

STATION: 96 LB CHANNEL TWO, BERTHS 74-76

DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	29.0	19.50	67.54	32.90	5.30
01	34.28	19.50	67.10	33.20	5.30
02	6.56	19.50	67.10	33.40	5.30
03	9.84	19.50	66.92	33.40	5.20
04	13.12	19.40	66.92	33.40	5.10
05	16.40	19.30	66.20	34.50	5.40
06	19.68	18.50	65.48	33.60	5.60
07	22.96	17.50	64.04	33.70	5.20
08	26.24	17.10	62.78	33.80	4.70
09	29.52	16.30	62.24	33.90	4.20
10	32.80	16.30	61.34	33.80	4.00
11	36.08	16.70	61.16	33.80	3.80
12	39.36	15.70	60.26	33.80	3.40
13	42.64	15.50	59.92	33.70	3.60
14	45.92	15.50	59.90	33.60	3.40

DATE: AUGUST 1973

STATION: 96 LB CHANNEL TWO, BERTHS 74-76

DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	29.0	18.40	65.12	33.30	7.00
01	34.28	18.40	65.12	33.50	5.90
02	6.56	18.40	64.40	33.50	4.70
03	9.84	17.40	64.04	33.40	4.90
04	13.12	17.50	63.68	33.40	5.40
05	16.40	17.10	62.78	33.50	5.40
06	19.68	16.80	62.24	33.70	4.90
07	22.96	16.70	61.34	33.40	5.20
08	26.24	16.20	61.16	33.40	5.20
09	29.52	16.20	61.16	33.80	5.30
10	32.80	16.00	60.80	33.80	5.20
11	36.08	15.40	59.72	33.80	4.80
12	39.36	15.30	59.54	33.60	4.90

DATE: SEPTEMBER 1973

STATION: 96 LB CHANNEL TWO, BERTHS 74-76

DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	29.0	17.80	64.04	33.10	6.40
01	34.28	17.80	64.04	33.10	6.30
02	6.56	17.80	64.04	33.10	6.30
03	9.84	17.70	63.60	33.10	6.20
04	13.12	17.60	63.68	33.10	6.60
05	16.40	17.50	63.48	33.10	6.40
06	19.68	17.50	63.50	33.10	5.80
07	22.96	17.40	63.32	33.10	6.80
08	26.24	17.20	62.96	33.20	6.40
09	29.52	17.20	62.96	33.20	7.00
10	32.80	16.40	61.52	33.80	5.30
11	36.08	16.00	60.80	33.80	5.60
12	39.36	15.80	60.44	33.40	5.20

MISSING DATA VALUE IS -1.0

DATE: OCTOBER 1973

STATION: 96 LB CHANNEL TWO, BERTHS 74-76

DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	29.0	17.60	63.68	33.80	6.60
01	34.28	17.60	63.68	33.00	6.00
02	6.56	17.60	63.68	33.20	5.60
03	9.84	17.40	63.32	33.40	5.20
04	13.12	17.20	62.96	33.40	5.80
05	16.40	17.00	62.60	33.50	5.40
06	19.68	15.80	62.24	33.60	5.60
07	22.96	15.60	61.52	33.80	5.30
08	26.24	15.30	61.34	34.00	5.80
09	29.52	15.10	60.98	33.80	5.40
10	32.80	15.00	60.80	33.70	5.60
11	36.08	15.00	60.80	33.60	5.80
12	39.36	15.00	60.80	33.60	5.80

DATE: NOVEMBER 1973

STATION: 96 LB CHANNEL TWO, BERTHS 74-76

DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	29.0	15.50	59.90	33.50	5.60
01	34.28	15.50	59.90	33.80	5.40
02	6.56	15.50	59.90	33.60	5.40
03	9.84	15.50	59.90	33.60	4.80
04	13.12	15.30	59.54	33.70	4.80
05	16.40	15.20	59.36	33.80	4.80
06	19.68	15.20	59.36	33.70	4.90
07	22.96	15.20	59.36	33.70	4.90
08	26.24	15.20	59.36	33.70	5.10
09	29.52	15.20	59.36	33.70	5.00
10	32.80	15.20	59.36	33.70	5.00
11	36.08	15.20	59.36	33.70	5.55
12	39.36	15.20	59.36	33.70	4.40

DATE: DECEMBER 1973

STATION: 96 LR CHANNEL TWO, BERTHS 74-76

DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	29.0	-1.00	-1.00	-1.00	4.80
01	34.28	-1.00	-1.00	-1.00	4.90
02	6.56	-1.00	-1.00	-1.00	4.80
03	9.84	-1.00	-1.00	-1.00	4.70
04	13.12	-1.00	-1.00	-1.00	4.70
05	16.40	-1.00	-1.00	-1.00	5.00
06	19.68	-1.00	-1.00	-1.00	5.00
07	22.96	-1.00	-1.00	-1.00	5.00
08	26.24	-1.00	-1.00	-1.00	5.10
09	29.52	-1.00	-1.00	-1.00	5.00
10	32.80	-1.00	-1.00	-1.00	5.00
11	36.08	-1.00	-1.00	-1.00	5.20
12	39.36	-1.00	-1.00	-1.00	5.30

MISSING DATA VALUE IS -1.0

DATE: JANUARY 1974

STATION: 76 LP CHANNEL TWO, DEPTHS 74-76

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU CONC.	
00	13.40	34.72	81.50	6.90	7.00	82.00

00	13.40	34.72	81.50	6.90	7.00	82.00
01	13.20	34.52	81.70	6.80	7.02	82.00
02	13.50	34.80	82.00	6.80	7.04	82.00
03	13.40	34.70	82.20	6.80	7.07	79.00
04	13.40	34.70	82.20	6.80	7.06	75.00
05	13.40	34.70	82.00	6.80	7.00	71.00
06	13.60	34.80	82.20	6.80	7.07	71.00
07	22.90	11.00	56.40	47.00	7.00	70.00
08	24.24	13.00	56.40	47.30	7.10	70.00
09	29.52	19.00	56.40	47.40	7.10	70.00

DATE: FEBRUARY 1974

STATION: 76 LP CHANNEL TWO, DEPTHS 74-76

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU CONC.
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00	13.40	34.74	82.45	6.80	-1.00	-1.00
01	13.28	34.60	82.12	82.20	6.80	-1.00
02	13.40	34.72	82.25	6.80	-1.00	-1.00
03	13.40	34.70	82.25	6.80	-1.00	-1.00
04	13.12	34.40	82.12	82.30	6.80	-1.00
05	13.40	34.70	82.12	82.35	6.80	-1.00
06	13.60	34.80	82.12	82.35	6.80	-1.00
07	19.68	13.40	56.12	31.30	6.80	-1.00
08	22.96	17.40	56.12	31.35	6.80	-1.00
09	29.52	19.40	56.12	31.40	6.80	-1.00
10	32.80	21.40	56.12	31.40	6.80	-1.00
11	36.04	23.40	56.12	31.40	6.80	-1.00

DATE: MARCH 1974

STATION: 76 LP CHANNEL TWO, DEPTHS 74-76

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU CONC.
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00	13.40	34.70	82.00	6.80	7.00	81.00
01	13.28	34.60	82.00	6.80	7.00	82.00
02	13.50	34.80	82.00	6.80	7.00	82.00
03	13.40	34.70	82.00	6.80	7.01	82.00
04	13.40	34.70	82.00	6.80	7.01	81.00
05	13.40	34.70	82.00	6.80	7.01	78.00
06	19.68	13.40	56.10	31.20	6.80	78.00
07	22.96	17.40	56.10	31.20	7.00	78.00
08	26.24	19.40	56.10	31.20	7.00	78.00
09	29.52	19.40	56.10	31.20	7.00	78.00
10	32.80	21.40	56.10	31.20	7.00	78.00
11	36.04	23.40	56.10	31.20	7.00	78.00

MISSING DATA VALUE IS -1.0

DATE: APRIL 1974

STATION: 76 LP CHANNEL TWO, DEPTHS 74-76

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU CONC.
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00	13.40	34.70	82.00	6.80	7.00	81.00
01	13.28	34.60	82.00	6.80	7.00	82.00
02	13.40	34.70	82.00	6.80	7.00	82.00
03	13.40	34.70	82.00	6.80	7.00	82.00
04	13.40	34.70	82.00	6.80	7.00	82.00
05	13.40	34.70	82.00	6.80	7.00	82.00
06	13.40	34.70	82.00	6.80	7.00	82.00
07	13.40	34.70	82.00	6.80	7.00	82.00
08	13.40	34.70	82.00	6.80	7.00	82.00
09	13.40	34.70	82.00	6.80	7.00	82.00
10	13.40	34.70	82.00	6.80	7.00	82.00

DATE: MAY 1974

STATION: 76 LP CHANNEL TWO, DEPTHS 74-76

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU CONC.
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00	13.40	34.70	82.00	6.80	7.00	81.00
01	13.28	34.60	82.00	6.80	7.00	82.00
02	13.40	34.70	82.00	6.80	7.00	82.00
03	13.40	34.70	82.00	6.80	7.00	82.00
04	13.40	34.70	82.00	6.80	7.00	82.00
05	13.40	34.70	82.00	6.80	7.00	82.00
06	13.40	34.70	82.00	6.80	7.00	82.00
07	13.40	34.70	82.00	6.80	7.00	82.00
08	13.40	34.70	82.00	6.80	7.00	82.00
09	13.40	34.70	82.00	6.80	7.00	82.00
10	13.40	34.70	82.00	6.80	7.00	82.00
11	13.40	34.70	82.00	6.80	7.00	82.00

* Possible probe malfunction

DATE: JUNE 1974

STATION: 76 LP CHANNEL TWO, DEPTHS 74-76

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	pH	TURBIDITY NTU CONC.
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00	13.40	34.70	82.00	6.80	7.00	81.00
01	13.28	34.60	82.00	6.80	7.00	82.00
02	13.40	34.70	82.00	6.80	7.00	82.00
03	13.40	34.70	82.00	6.80	7.00	82.00
04	13.40	34.70	82.00	6.80	7.00	82.00
05	13.40	34.70	82.00	6.80	7.00	82.00
06	13.40	34.70	82.00	6.80	7.00	82.00
07	13.40	34.70	82.00	6.80	7.00	82.00
08	13.40	34.70	82.00	6.80	7.00	82.00
09	13.40	34.70	82.00	6.80	7.00	82.00
10	13.40	34.70	82.00	6.80	7.00	82.00
11	13.40	34.70	82.00	6.80	7.00	82.00
12	13.40	34.70	82.00	6.80	7.00	82.00

* Possible probe malfunction

MISSING DATA VALUE IS -1.0

MISSING DATA VALUE IS -1.0

DATE: JULY 1974

STATION: 86 LB CHANNEL TWO, BERTHS 74-76

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY M.LDN CONC
00	20.90	69.62	-1.00	17.00	-1.00
01	3.28	69.80	69.44	-1.00	17.50
02	6.56	20.60	69.08	-1.00	15.30
03	9.84	20.00	68.00	-1.00	13.50
04	13.12	19.80	67.28	-1.00	12.10
05	16.40	18.90	66.02	-1.00	10.10
06	19.68	18.30	64.94	-1.00	8.40
07	22.96	17.30	62.78	-1.00	6.10
08	26.24	16.20	61.16	-1.00	5.70
09	29.52	15.20	61.16	-1.00	5.60
10	32.80	14.00	60.80	-1.00	4.70
11	36.08	13.80	60.44	-1.00	4.00
12	39.36	15.20	59.36	-1.00	3.50
13	42.64	14.90	55.62	-1.00	3.20
				-1.00	-1.00

DATE: OCTOBER 1974

STATION: 86 LB CHANNEL TWO, BERTHS 74-76

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY M.LDN CONC
00	0.0	16.70	62.06	32.90	5.30
01	3.28	16.40	61.52	33.00	5.40
02	6.56	16.30	61.34	33.10	5.40
03	9.84	16.30	61.34	33.10	5.50
04	13.12	16.30	61.34	33.00	5.60
05	16.40	16.20	61.16	33.10	5.50
06	19.68	16.20	61.16	33.10	5.50
07	22.96	16.00	60.80	33.10	5.40
08	26.24	15.80	60.44	33.10	5.20
09	29.52	15.80	60.44	33.10	5.20
10	32.80	15.70	60.26	33.10	5.10
11	36.08	15.70	60.26	32.90	4.80
12	39.36	15.70	60.26	32.90	4.80
				-1.00	-1.00

DATE: NOVEMBER 1974

STATION: 86 LB CHANNEL TWO, BERTHS 74-76

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY M.LDN CONC
00	0.0	20.80	69.44	32.70	9.00
01	3.28	20.50	69.90	32.70	8.60
02	6.56	20.30	68.54	32.60	5.90
03	9.84	20.00	68.00	32.70	5.40
04	13.12	19.90	67.82	32.80	5.30
05	16.40	14.90	67.82	32.70	5.20
06	19.68	14.00	66.20	32.70	4.20
07	22.96	18.10	64.58	33.20	3.80
08	26.24	17.70	63.86	33.00	3.40
09	29.52	17.10	62.78	33.40	3.00
10	32.80	16.90	62.42	33.00	2.80
11	36.08	16.80	62.24	32.90	2.70
12	39.36	16.70	62.06	33.00	2.70
13	42.64	16.30	61.34	33.40	2.80
14	45.92	16.20	61.16	33.30	2.90
				-1.00	-1.00

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY M.LDN CONC
00	0.0	15.90	60.62	33.90	7.80
01	3.28	15.00	60.06	34.10	7.40
02	6.56	15.20	59.36	34.00	6.70
03	9.84	15.10	59.18	33.70	6.60
04	13.12	14.90	58.82	33.80	6.50
05	16.40	14.80	58.64	33.80	7.00
06	19.68	14.70	58.46	33.70	6.90
07	22.96	14.70	58.46	33.60	6.90
08	26.24	14.70	58.46	33.60	7.00
09	29.52	14.70	58.46	33.60	6.60
10	32.80	14.60	58.28	33.60	5.80
11	36.08	14.60	58.28	33.60	6.00
12	39.36	-1.00	-1.00	-1.00	-1.00
				-1.00	-1.00

DATE: DECEMBER 1974

STATION: 86 LB CHANNEL TWO, BERTHS 74-76

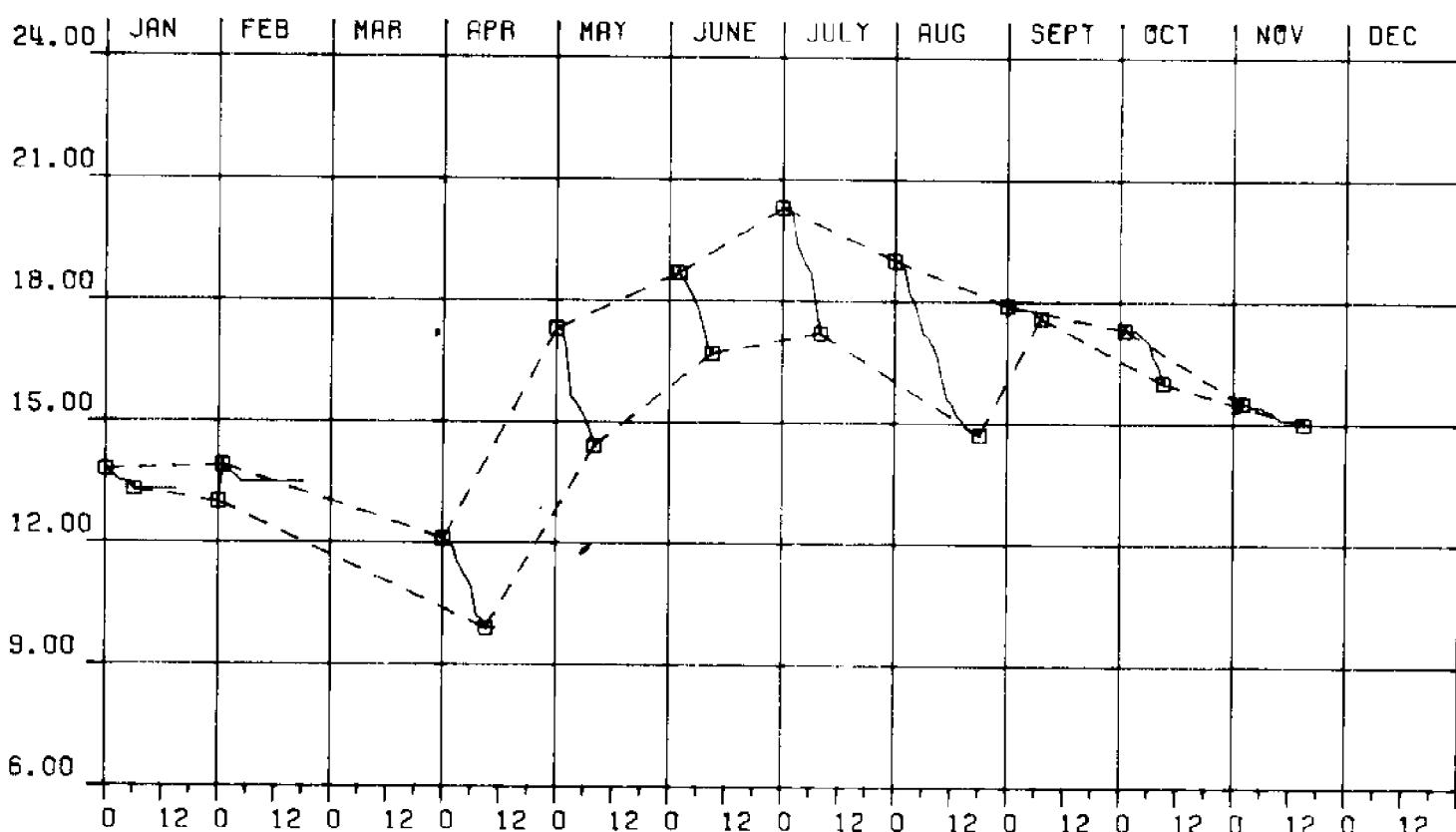
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00	0.0	20.20	68.36	32.50	1.40
01	3.28	20.20	68.36	33.30	1.00
02	6.56	20.00	68.00	33.30	1.60
03	9.84	19.90	67.82	33.40	0.0
				-1.00	-1.00

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY M.LDN CONC
00	0.0	15.00	59.00	31.40	5.30
01	3.28	15.00	59.00	32.20	5.20
02	6.56	15.10	59.18	32.30	5.00
03	9.84	15.00	59.00	32.70	4.90
04	13.12	14.90	58.82	32.90	4.90
05	16.40	14.70	58.66	33.00	4.80
06	19.68	14.70	58.46	33.20	4.80
07	22.96	14.70	58.46	33.30	4.80
08	26.24	14.70	58.46	33.30	4.80
09	29.52	14.70	58.46	33.30	5.10
10	32.80	14.70	58.46	33.30	4.80
11	36.08	14.60	58.28	33.40	4.90
12	39.36	14.60	58.28	33.40	4.80
13	42.64	14.30	57.74	33.40	4.80
				-1.00	-1.00

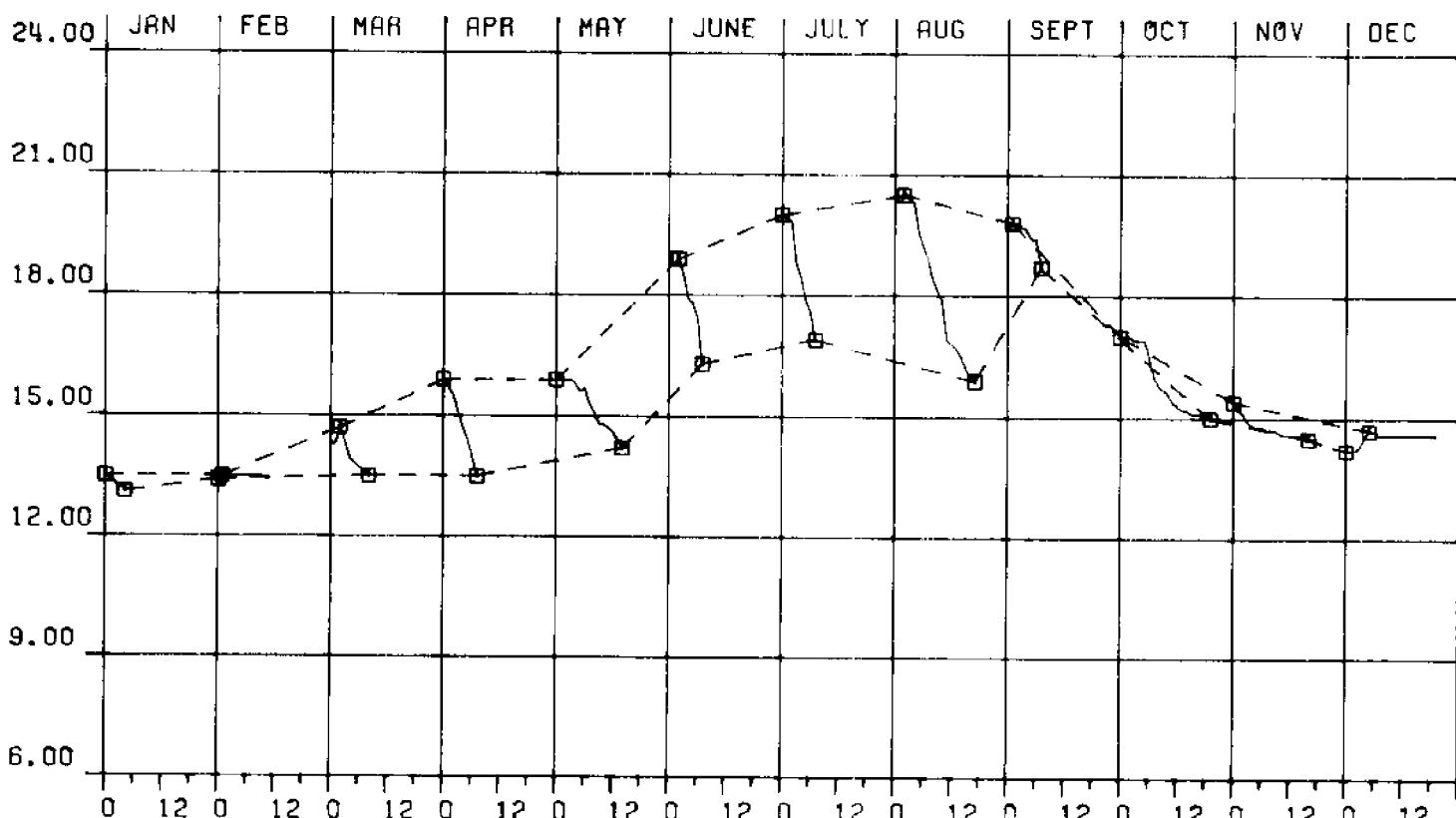
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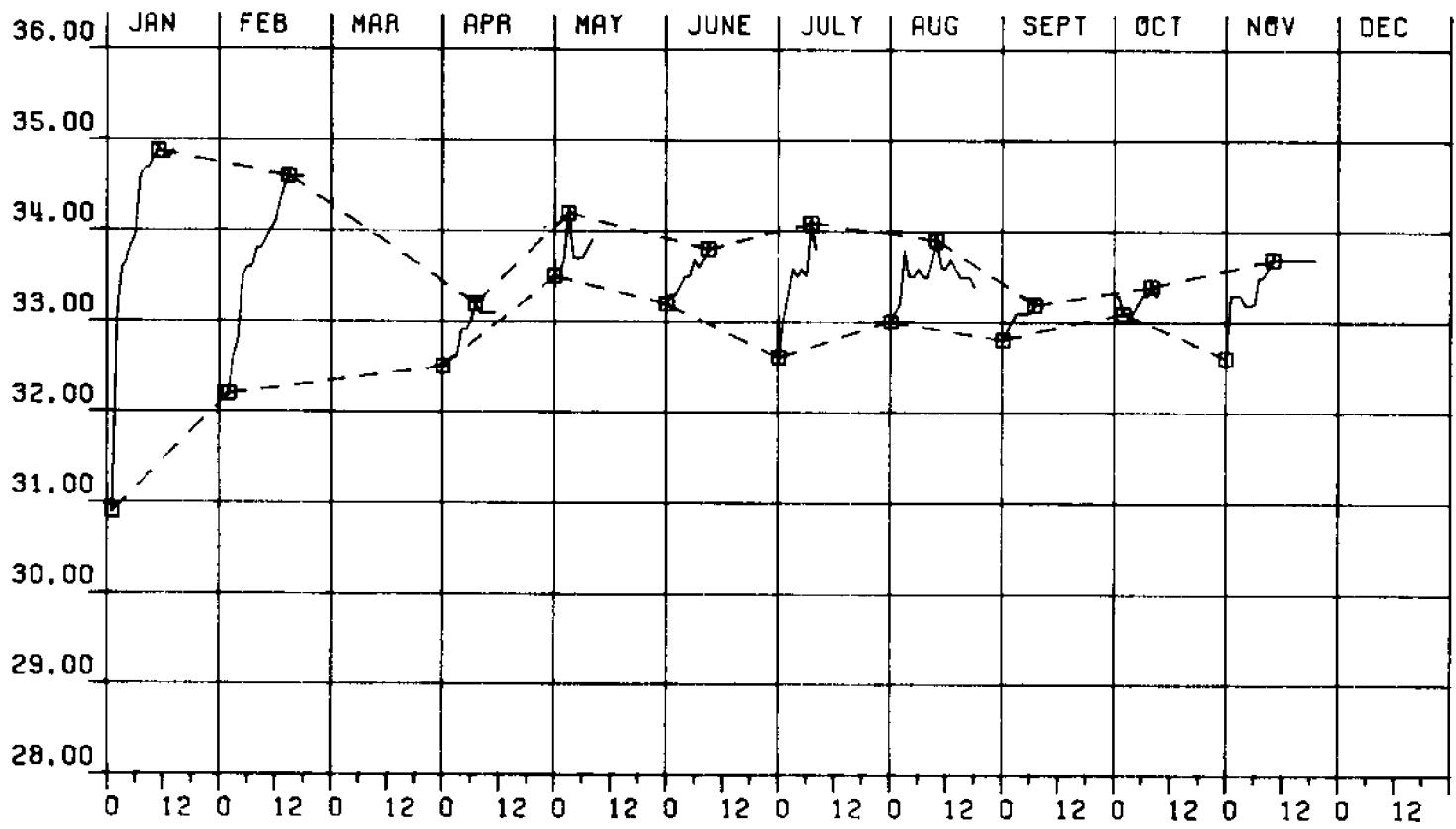
B7 UNION PACIFIC RAILROAD DOCK
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



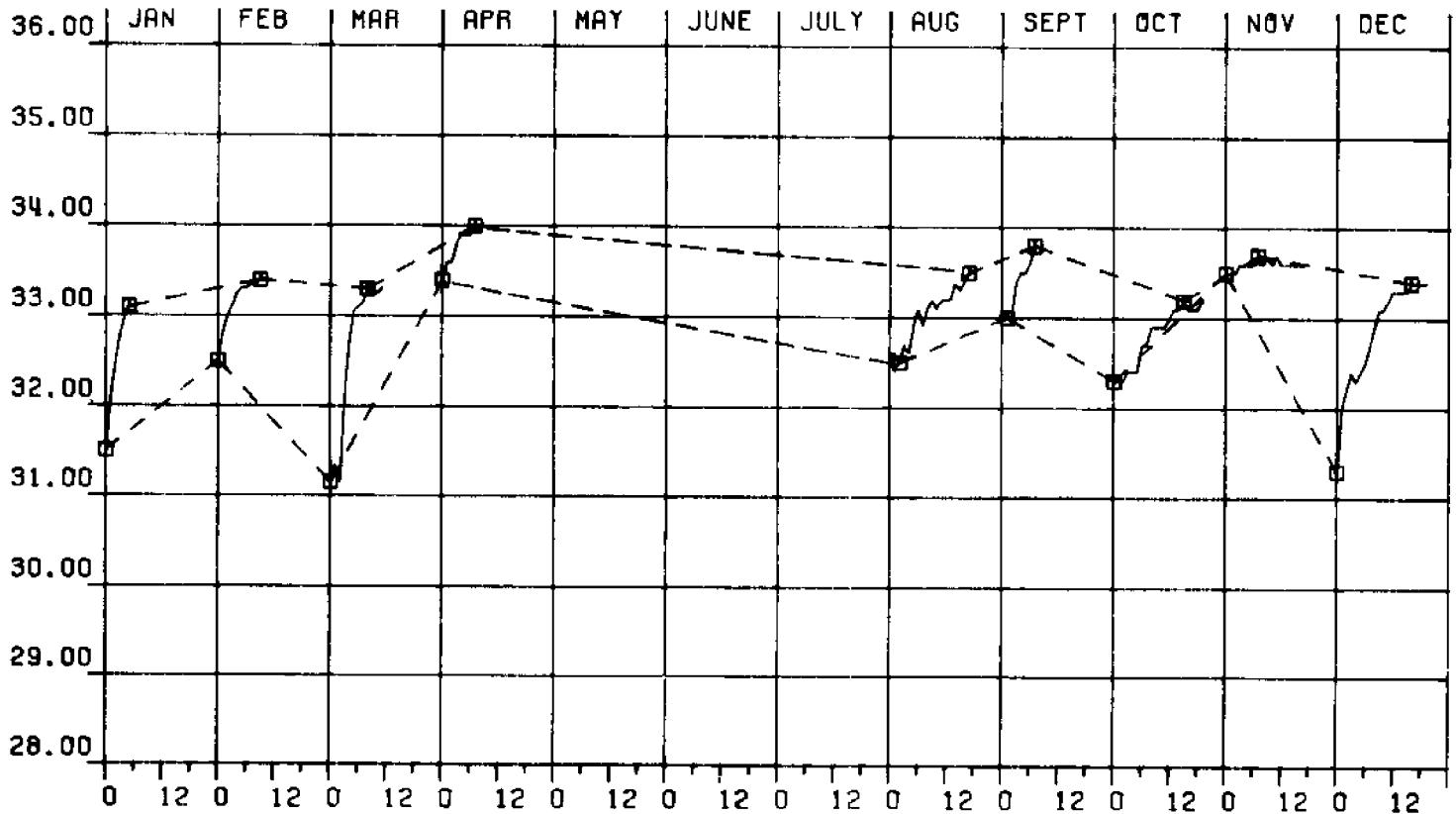
B7 UNION PACIFIC RAILROAD DOCK
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



B7 UNION PACIFIC RAILROAD DOCK
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



B7 UNION PACIFIC RAILROAD DOCK
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT

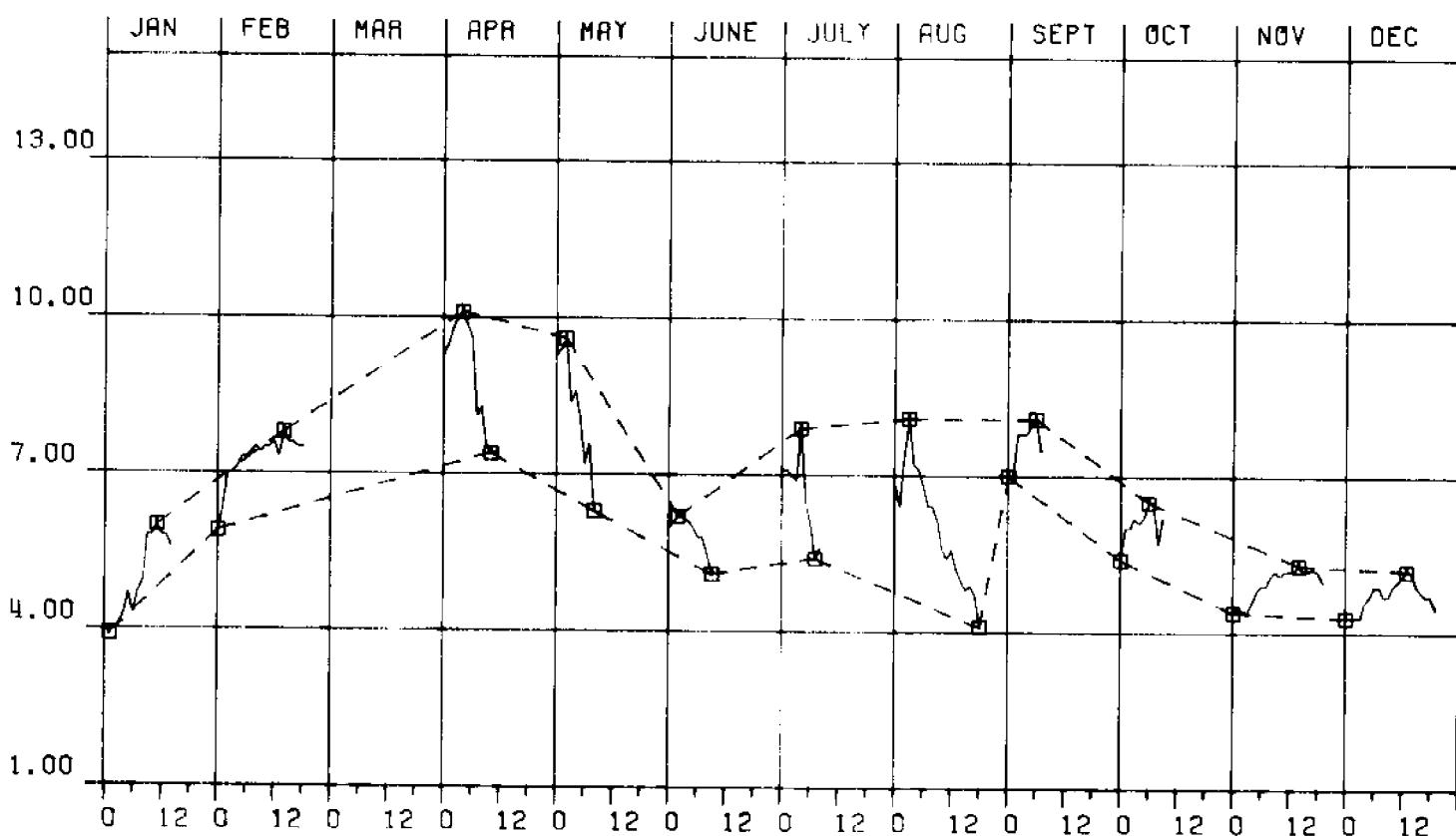


B7 UNION PACIFIC RAILROAD DOCK

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM

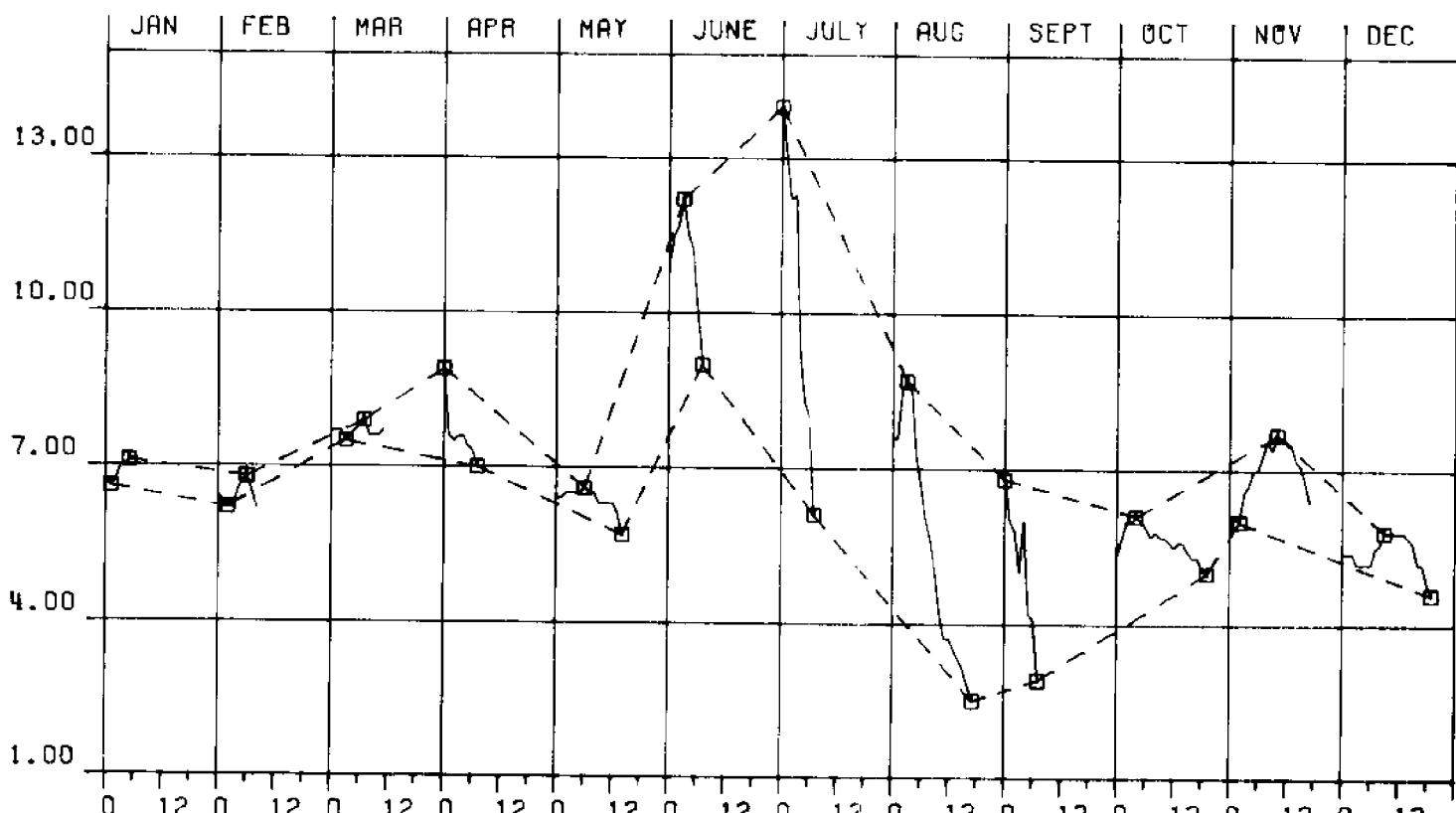


B7 UNION PACIFIC RAILROAD DOCK

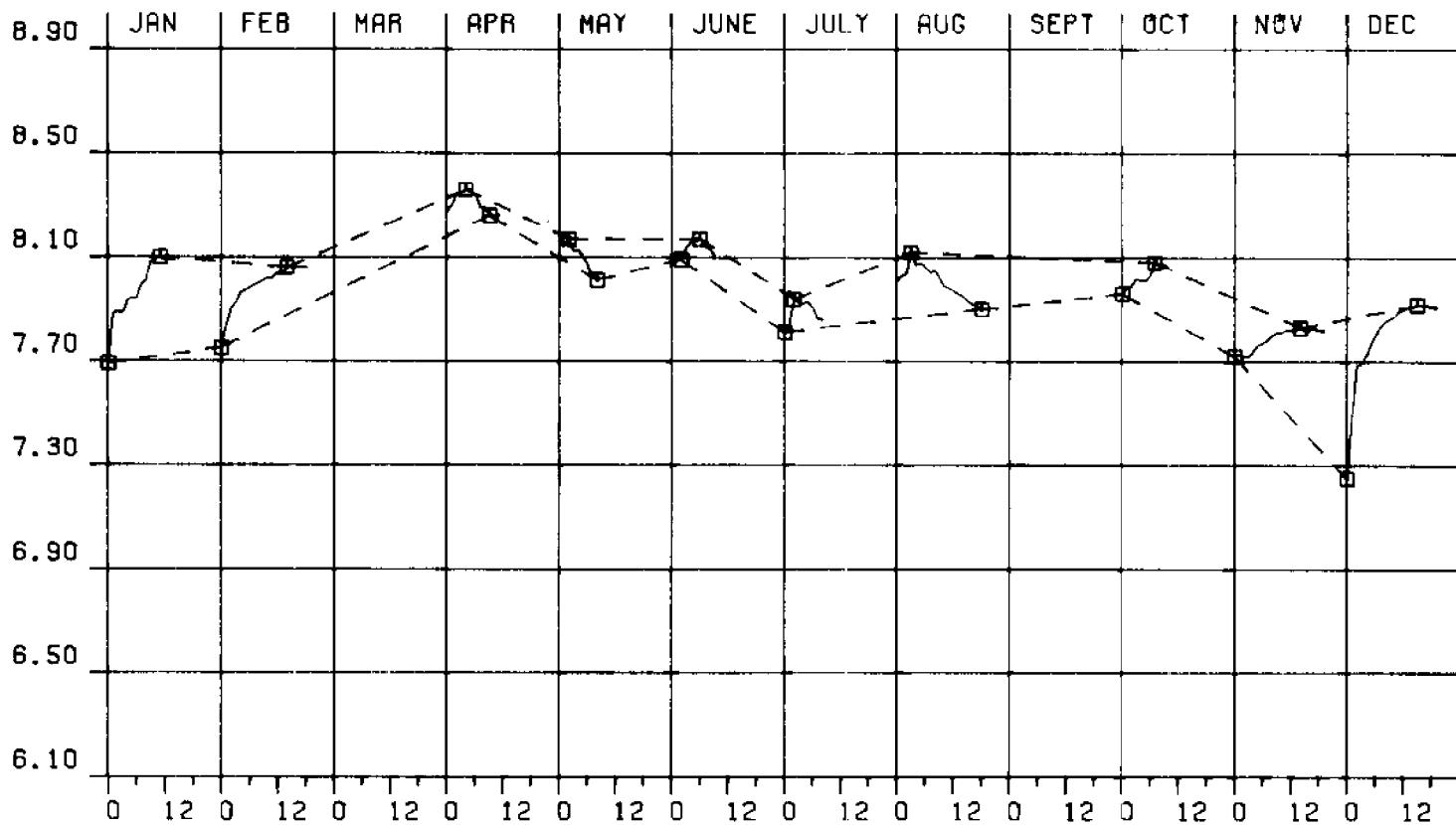
DATE: 1974

EACH SUBGRAPH BY MONTH

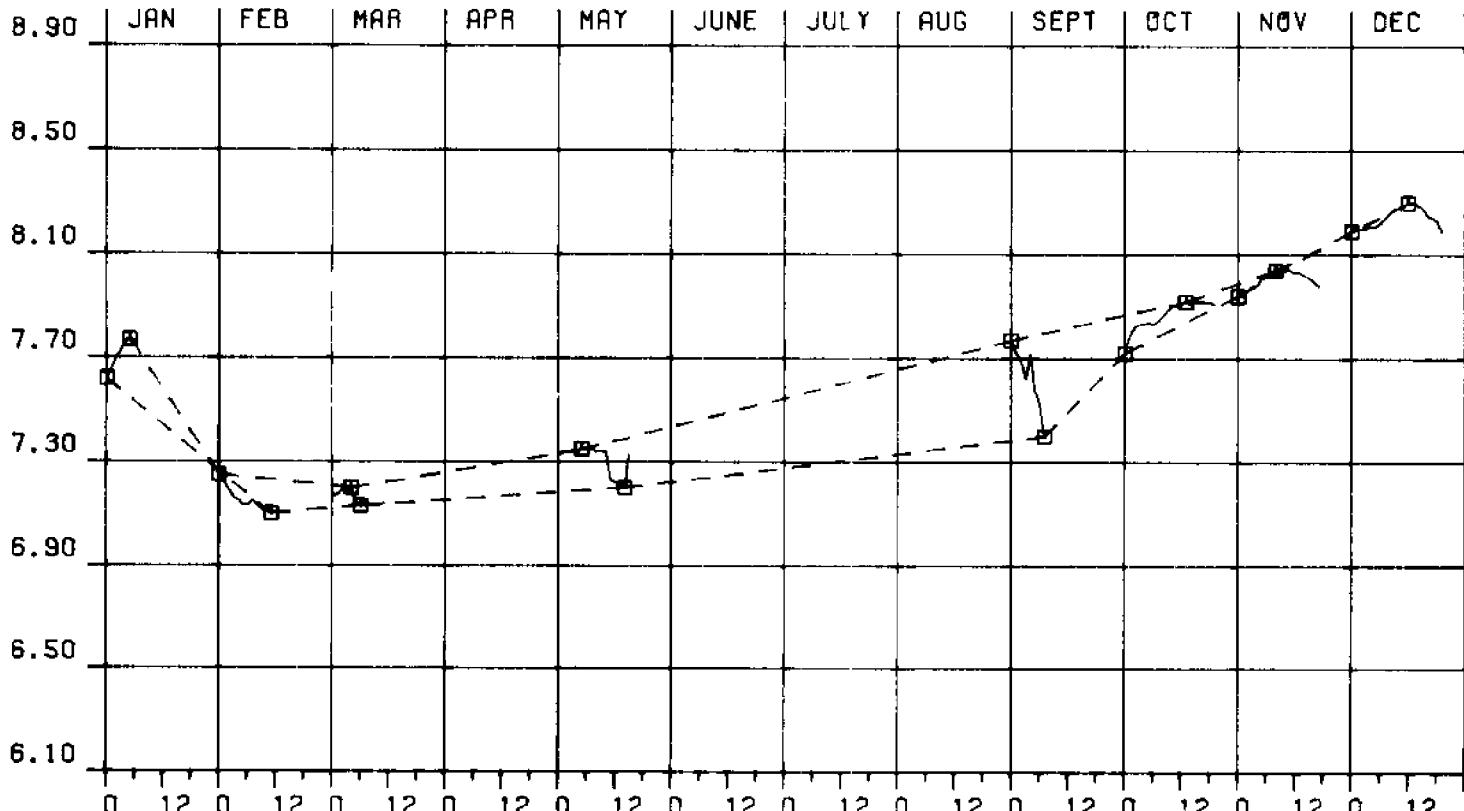
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



B7 UNION PACIFIC RAILROAD DOCK
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



B7 UNION PACIFIC RAILROAD DOCK
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: JANUARY 1973

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	13.30	56.84	-1.00	4.00
01	3.28	13.70	56.66	3.90	7.88
02	6.56	13.40	56.48	33.01	4.00
03	9.84	13.50	56.30	33.57	4.10
04	13.12	13.50	56.30	33.66	4.30
05	16.40	13.40	56.12	33.64	4.70
06	19.68	13.30	55.94	33.93	4.80
07	22.96	13.30	55.94	34.59	4.70
08	26.24	13.30	55.94	34.68	4.90
09	29.52	13.30	55.94	34.68	5.00
10	32.80	13.30	55.94	34.78	5.00
11	36.08	13.30	55.94	34.87	6.00
12	39.36	13.30	55.94	34.87	5.80
13	42.64	13.30	55.94	34.78	5.80
14	45.92	13.30	55.94	34.87	5.80
15	49.20	13.30	55.94	-1.00	-1.00
			-1.00	-1.00	-1.00

DATE: FEBRUARY 1973

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	13.60	55.40	-1.00	5.80
01	3.28	13.90	57.02	-1.00	6.30
02	6.56	13.80	55.84	32.20	7.00
03	9.84	13.70	56.66	32.60	7.00
04	13.12	13.60	56.48	32.80	7.10
05	16.40	13.50	56.30	33.50	7.30
06	19.68	13.50	56.30	33.60	7.30
07	22.96	13.50	56.30	33.60	7.40
08	26.24	13.50	56.30	33.80	8.00
09	29.52	13.50	56.30	33.80	8.01
10	32.80	13.50	56.30	33.90	8.02
11	36.08	13.50	56.30	34.00	7.50
12	39.36	13.50	56.30	34.10	7.60
13	42.64	13.50	56.30	34.30	8.03
14	45.92	13.50	56.30	34.50	7.80
15	49.20	13.50	56.30	34.60	7.60
16	52.48	13.50	56.30	34.60	7.60
17	55.76	13.50	56.30	34.60	7.50
18	59.04	13.50	56.30	34.60	7.50
			8.06	-1.00	-1.00

MISSING DATA VALUE IS -1.0

DATE: MARCH 1973

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	14.00	57.20	31.20	8.00
01	3.28	14.00	57.20	31.30	8.10
02	6.56	13.90	57.02	31.70	8.40
03	9.84	13.90	57.02	32.30	8.50
04	13.12	13.90	57.02	32.30	8.60
05	16.40	13.90	57.02	32.40	8.50
06	19.68	13.80	56.84	32.60	8.40
07	22.96	13.80	56.84	32.60	8.20
08	26.24	13.80	56.84	32.60	8.10
09	29.52	13.70	56.66	32.70	8.20
10	32.80	13.70	56.66	32.80	8.10
11	36.08	13.60	56.48	33.10	7.90
12	39.36	13.50	56.30	33.30	7.90
13	42.64	13.50	56.30	33.30	7.80
14	45.92	13.40	56.12	33.50	7.70
15	49.20	13.40	56.12	33.50	7.60
16	52.48	13.30	55.94	33.60	6.90
17	55.76	13.30	55.94	33.60	6.40
18	59.04	13.30	55.94	33.60	8.15
			-1.00	-1.00	-1.00

DATE: APRIL 1973

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	12.10	53.78	32.50	8.20
01	3.28	12.00	53.60	32.50	8.30
02	6.56	11.90	53.42	32.60	8.34
03	9.84	11.80	52.70	32.60	10.00
04	13.12	11.80	52.30	32.90	8.35
05	16.40	11.10	51.98	32.90	8.36
06	19.68	10.90	51.62	33.00	8.34
07	22.96	10.20	50.36	33.20	8.10
08	26.24	10.10	50.18	33.10	8.20
09	29.52	9.90	49.82	33.10	7.50
10	32.80	9.90	49.82	33.10	7.40
11	36.08	9.90	49.82	33.10	7.40
			8.20	-1.00	-1.00

DATE: MAY 1973

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	17.30	63.14	33.50	9.30
01	3.24	17.30	63.14	33.50	9.40
02	6.56	16.90	62.24	33.70	9.60
03	9.84	15.60	60.08	34.20	8.40
04	13.12	15.50	59.96	31.70	8.60
05	16.40	15.30	59.94	33.70	8.10
06	19.68	15.10	59.18	33.70	7.20
07	22.96	14.80	58.68	33.80	7.60
08	26.24	14.60	57.92	33.90	6.30
09	29.52	14.60	57.92	33.90	8.03
10	32.80	14.60	57.92	33.90	7.00
11	36.08	14.60	57.92	33.90	7.00
12	39.36	14.60	57.92	33.90	7.00
13	42.64	14.60	57.92	33.90	7.00
14	45.92	14.60	57.92	33.90	7.00
15	49.20	14.60	57.92	33.90	7.00
16	52.48	14.60	57.92	33.90	7.00
17	55.76	14.60	57.92	33.90	7.00
18	59.04	14.60	57.92	33.90	7.00
			-1.00	-1.00	-1.00

MISSING DATA VALUE IS -1.0

DATE: JUNE 1973							DATE: SEPTEMBER 1973						
STATION: H7 UNION PACIFIC RAILROAD DOCK							STATION: H7 UNION PACIFIC RAILROAD DOCK						
DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	PH	TURBIDITY % ML/L CONC	DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	PH	TURBIDITY % ML/L CONC		
00	16.60	65.48	33.20	6.00	8.11	73.00	00	17.90	64.22	32.80	7.00	-1.00	77.00
01	16.60	65.48	33.30	6.10	8.10	75.00	01	17.80	64.04	32.90	7.00	-1.00	77.00
02	16.56	65.46	33.30	6.20	8.09	76.50	02	17.80	64.04	33.00	7.00	-1.00	77.00
03	16.54	65.30	33.40	5.20	8.14	76.50	03	17.80	64.04	33.10	7.00	-1.00	82.00
04	16.52	65.30	33.50	6.10	8.16	77.00	04	17.80	64.04	33.10	7.00	-1.00	81.00
05	16.40	64.10	64.94	33.50	6.00	8.16	05	17.80	64.04	33.10	8.00	-1.00	80.00
06	16.38	64.04	64.98	33.50	6.00	79.00	06	17.70	63.86	33.10	8.10	-1.00	79.00
07	16.36	64.04	64.98	33.70	5.80	8.17	07	17.60	63.86	33.20	7.50	-1.00	60.00
08	16.34	64.04	64.98	33.70	5.80	8.17							
09	16.32	64.04	64.98	33.80	5.80	8.11							
DATE: JULY 1973							DATE: OCTOBER 1973						
STATION: H7 UNION PACIFIC RAILROAD DOCK							STATION: H7 UNION PACIFIC RAILROAD DOCK						
DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	PH	TURBIDITY % ML/L CONC	DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	PH	TURBIDITY % ML/L CONC		
00	20.30	68.54	32.60	7.10	7.91	-1.00	00	17.20	62.96	33.30	5.40	7.06	77.50
01	20.30	68.54	33.00	7.10	7.83	-1.00	01	17.30	63.14	33.30	6.00	7.98	81.00
02	20.20	68.36	33.30	7.00	7.94	-1.00	02	17.30	63.14	33.10	6.00	7.94	82.00
03	19.40	66.92	33.60	6.90	7.93	-1.00	03	17.30	63.14	33.10	6.20	8.02	82.00
04	19.10	66.36	33.50	7.00	7.92	-1.00	04	17.20	62.96	33.10	6.10	8.01	82.00
05	18.90	66.02	33.60	6.50	7.93	-1.00	05	17.10	62.78	33.20	6.20	8.01	81.50
06	18.68	65.66	33.50	6.10	7.91	-1.00	06	17.00	62.60	33.30	6.50	8.03	81.50
07	18.00	64.40	34.10	5.40	7.87	-1.00	07	16.60	61.88	33.30	6.50	8.08	82.00
08	17.20	62.06	33.80	5.60	7.86	-1.00	08	16.40	61.52	33.40	5.70	8.07	76.00
09	16.52	61.00	33.80	5.60	7.86	-1.00	09	16.00	60.80	33.30	6.20	8.07	74.50
DATE: AUGUST 1973							DATE: NOVEMBER 1973						
STATION: H7 UNION PACIFIC RAILROAD DOCK							STATION: H7 UNION PACIFIC RAILROAD DOCK						
DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	PH	TURBIDITY % ML/L CONC	DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O. PPM	PH	TURBIDITY % ML/L CONC		
00	19.00	66.20	33.00	6.80	8.01	-1.00	00	15.10	59.54	32.80	4.40	7.72	79.50
01	19.20	66.20	33.10	6.80	8.03	-1.00	01	15.30	59.54	33.30	4.45	7.73	81.00
02	18.80	65.84	33.20	7.60	8.04	-1.00	02	15.50	59.90	33.30	4.45	7.72	81.00
03	18.20	64.76	33.80	8.10	8.12	-1.00	03	15.50	59.90	33.30	4.40	7.72	80.00
04	18.00	64.40	33.50	7.20	8.07	-1.00	04	15.40	59.72	33.20	4.50	7.74	79.50
05	17.60	63.68	33.50	7.10	8.08	-1.00	05	15.40	59.72	33.20	4.80	7.75	80.00
06	17.20	62.96	33.60	6.80	8.06	-1.00	06	15.30	59.54	33.50	4.90	7.78	80.00
07	17.10	62.70	33.50	6.40	8.04	-1.00	07	15.30	59.54	33.50	5.10	7.80	79.00
08	16.90	62.42	33.50	6.40	8.05	-1.00	08	15.20	59.36	33.60	5.20	7.81	75.50
09	16.52	61.88	33.70	6.10	8.02	-1.00	09	15.10	59.18	33.70	5.10	7.81	74.50
10	16.10	60.98	33.90	5.60	7.99	-1.00	10	15.00	59.00	33.70	5.10	7.81	74.00
11	15.80	60.08	33.60	5.60	7.98	-1.00	11	15.10	59.18	33.70	5.20	7.82	72.00
12	15.36	59.90	33.60	5.60	7.97	-1.00	12	15.10	59.18	33.70	5.20	7.82	70.00
13	15.20	59.30	33.70	5.20	7.96	-1.00	13	15.10	59.18	33.70	5.30	7.83	69.00
14	15.10	59.18	33.60	5.00	7.95	-1.00	14	15.00	59.00	33.70	5.20	7.82	67.50
15	14.90	58.42	33.50	4.80	7.93	-1.00	15	15.00	59.00	33.70	5.20	7.82	64.00
16	14.80	58.64	33.50	4.90	7.92	-1.00	16	15.00	59.00	33.70	5.25	7.83	65.00
17	14.80	58.64	33.50	4.70	7.91	-1.00	17	15.00	59.00	33.70	5.20	7.82	58.00
18	14.70	58.46	33.40	4.10	7.90	-1.00	18	15.00	59.00	33.70	5.00	7.82	-1.00

MISSING DATA VALUE IS -1.0

MISSING DATA VALUE IS -1.0

DATE: DECEMBER 1973

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS	TEMPERATURE C F	SALINITY ‰/PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0 -1.00	-1.00	-1.00	4.30	7.25
01	3.28 -1.00	-1.00	-1.00	4.30	7.48
02	6.56 -1.00	-1.00	-1.00	4.30	7.68
03	9.84 -1.00	-1.00	-1.00	4.30	7.69
04	13.12 -1.00	-1.00	-1.00	4.60	7.72
05	16.40 -1.00	-1.00	-1.00	4.70	7.76
06	19.68 -1.00	-1.00	-1.00	4.90	7.80
07	22.96 -1.00	-1.00	-1.00	4.90	7.83
08	26.24 -1.00	-1.00	-1.00	4.70	7.85
09	29.52 -1.00	-1.00	-1.00	4.70	7.86
10	32.80 -1.00	-1.00	-1.00	4.60	7.87
11	36.08 -1.00	-1.00	-1.00	5.00	7.89
12	39.36 -1.00	-1.00	-1.00	5.10	7.90
13	42.64 -1.00	-1.00	-1.00	5.20	7.91
14	45.92 -1.00	-1.00	-1.00	5.20	7.91
15	49.20 -1.00	-1.00	-1.00	4.90	7.92
16	52.48 -1.00	-1.00	-1.00	4.80	7.92
17	55.76 -1.00	-1.00	-1.00	4.70	7.92
18	59.04 -1.00	-1.00	-1.00	4.70	7.91
19	62.32 -1.00	-1.00	-1.00	4.50	7.91

DATE: JANUARY 1974

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS	TEMPERATURE C F	SALINITY ‰/PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0 13.50	55.30	31.50	6.70	7.62
01	3.28 13.40	56.12	32.10	6.80	7.63
02	6.56 13.30	55.94	32.50	6.70	7.70
03	9.84 13.20	55.76	32.60	7.00	7.72
04	13.12 13.10	55.58	33.00	7.00	7.76
05	16.40 13.10	55.58	33.10	7.10	7.77
06	19.68 13.10	55.58	33.10	7.10	7.76

DATE: FEBRUARY 1974

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS	TEMPERATURE C F	SALINITY ‰/PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0 13.40	56.12	32.50	6.40	7.25
01	3.28 13.50	56.30	32.80	6.30	7.22
02	6.56 13.50	56.30	33.00	6.20	7.19
03	9.84 13.50	56.30	33.10	6.20	7.16
04	13.12 13.50	56.30	33.25	6.50	7.15
05	16.40 13.50	56.30	33.30	6.70	7.13
06	19.68 13.50	56.30	33.30	6.80	7.13
07	22.96 13.50	55.30	33.35	6.50	7.15
08	26.24 13.50	56.30	33.35	6.80	7.13
09	29.52 13.50	56.30	33.40	-1.00	7.11
10	32.80 13.50	56.12	33.40	-1.00	7.11
11	36.08 13.40	56.12	33.40	-1.00	7.10

DATE: MARCH 1974

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS	TEMPERATURE C F	SALINITY ‰/PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0 14.30	57.74	31.15	7.70	7.17
01	3.28 14.30	57.74	31.35	7.70	7.17
02	6.56 14.70	58.46	31.15	7.70	7.19
03	9.84 14.30	57.74	32.05	7.50	7.18
04	13.12 13.90	57.02	32.70	7.60	7.20
05	16.40 13.80	56.84	33.05	7.70	7.14
06	19.68 13.70	56.66	33.10	7.80	7.13
07	22.96 13.60	56.48	33.15	7.90	7.15
08	26.24 13.50	56.30	33.30	7.60	7.13
09	29.52 13.50	56.30	33.25	7.60	7.13
10	32.80 13.50	56.30	33.25	7.60	7.13
11	36.08 13.50	56.30	33.30	7.70	7.14

DATE: APRIL 1974

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS	TEMPERATURE C F	SALINITY ‰/PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0 15.90	60.62	33.40	8.90	-1.00
01	3.28 15.70	60.26	33.60	7.60	-1.00
02	6.56 15.50	59.90	33.60	7.50	-1.00
03	9.84 15.10	59.18	33.80	7.60	-1.00
04	13.12 14.70	58.46	33.90	7.60	-1.00
05	16.40 14.40	57.92	33.50	7.40	-1.00
06	19.68 14.00	57.20	33.80	7.30	-1.00
07	22.96 13.50	56.30	34.00	7.00	-1.00

DATE: MAY 1974

STATION: B7 UNION PACIFIC RAILROAD DOCK

DEPTH METERS	TEMPERATURE C F	SALINITY ‰/PPM	D.O2 PPM	PH	TURBIDITY %
00	0.0 15.90	60.62	32.25	6.40	7.33
01	3.28 15.90	60.62	32.25	6.40	7.34
02	6.56 15.90	60.62	32.25	6.50	7.34
03	9.84 15.90	60.62	32.35	6.50	7.34
04	13.12 15.80	60.44	32.30	6.50	7.34
05	16.40 15.60	60.08	32.35	6.50	7.35
06	19.68 15.70	60.20	32.25	6.60	7.35
07	22.96 15.30	59.54	32.55	6.50	7.35
08	26.24 15.10	59.18	32.55	6.50	7.34
09	29.52 14.80	58.64	32.55	6.30	7.34
10	32.80 14.80	58.64	32.55	6.30	7.34
11	36.08 14.70	58.46	32.45	6.30	7.23
12	39.36 14.60	58.28	32.40	6.30	7.22
13	42.64 14.40	57.92	32.35	6.10	7.21
14	45.92 14.20	57.56	32.35	5.70	7.20
15	49.20 14.20	57.56	32.30	5.90	7.33

* Possible probe malfunction

MISSING DATA VALUE IS -1.0

DATE: JUNE 1974

STATION: 87 UNION PACIFIC RAILROAD DOCK

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY K
FEET	F	S			
00	0.0	18.70	35.66	30.40	11.00
01	3.28	18.80	35.64	30.40	11.80
02	6.56	18.90	35.62	30.30	11.70
03	9.84	18.80	35.50	30.60	12.20
04	13.12	17.90	34.22	30.70	11.50
05	16.40	17.80	34.04	30.70	11.20
06	19.68	17.40	33.32	30.80	10.10
07	22.96	16.30	31.34	31.30	9.00

* Possible probe malfunction

DATE: JULY 1974

STATION: 87 UNION PACIFIC RAILROAD DOCK

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY K
FEET	F	S			
00	0.0	20.00	35.00	-1.00	14.00
01	3.28	19.90	37.82	-1.00	13.00
02	6.56	19.80	37.64	-1.00	12.80
03	9.84	18.80	35.84	-1.00	12.30
04	13.12	18.40	35.12	-1.00	9.30
05	16.40	17.90	34.22	-1.00	8.30
06	19.68	17.60	33.68	-1.00	8.00
07	22.96	16.90	32.42	-1.00	6.10

MISSING DATA VALUE IS -1.0

DATE: AUGUST 1974

STATION: 87 UNION PACIFIC RAILROAD DOCK

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY K
FEET	F	S			
00	0.0	20.40	38.72	32.60	7.60
01	3.28	20.30	38.54	32.60	7.60
02	6.56	20.50	38.90	32.50	8.60
03	9.84	20.40	38.72	32.70	8.70
04	13.12	20.30	38.54	32.60	8.80
05	16.40	19.60	37.28	32.90	7.20
06	19.68	19.20	36.56	33.10	6.60
07	22.96	18.90	36.02	32.90	6.00
08	26.24	18.40	35.12	33.10	5.60
09	29.52	18.10	34.58	33.20	5.00
10	32.80	17.90	34.22	33.10	4.20
11	36.08	16.90	32.42	33.20	3.70
12	39.36	16.50	32.24	33.20	3.70
13	42.64	16.70	32.06	33.20	3.80
14	45.92	16.50	31.70	33.40	3.30
15	49.20	16.20	31.10	33.30	3.10
16	52.48	16.00	30.80	33.40	2.80
17	55.76	15.90	30.62	33.50	2.50

DATE: SEPTEMBER 1974

STATION: 87 UNION PACIFIC RAILROAD DOCK

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY K
FEET	F	S			
00	0.0	19.70	37.46	33.10	6.80
01	3.28	19.80	37.64	33.00	6.00
02	6.56	19.80	37.64	33.00	5.80
03	9.84	19.70	37.46	33.40	5.00
04	13.12	19.60	37.28	33.50	6.00
05	16.40	19.40	36.92	33.50	4.20
06	19.68	19.40	36.92	33.60	4.10
07	22.96	18.70	35.66	33.80	2.90

MISSING DATA VALUE IS -1.0

DATE: OCTOBER 1974

STATION: 87 UNION PACIFIC RAILROAD DOCK

METERS FEET	DEPTH FEET	TEMPERATURE C.	TEMPERATURE F.	SALINITY 0/00	O.D2 PPM	PH H.ION CONC.	TURBIDITY %
00	0.0	17.00	62.60	32.30	5.40	7.72	61.50
01	3.28	17.00	62.60	32.30	5.70	7.78	65.00
02	6.56	17.00	62.60	32.30	6.00	7.82	65.00
03	9.84	16.90	62.42	32.40	6.00	7.83	65.50
04	13.12	16.90	62.42	32.40	6.10	7.83	65.50
05	16.40	16.90	62.42	32.40	6.00	7.84	66.00
06	19.68	16.50	61.70	32.70	5.90	7.83	63.00
07	22.96	16.00	60.80	32.70	5.70	7.84	60.50
08	26.24	15.80	60.44	32.90	5.80	7.86	59.00
09	29.52	15.70	60.26	32.90	5.70	7.88	59.00
10	32.80	15.60	60.08	32.90	5.70	7.90	56.50
11	36.08	15.40	59.72	32.90	5.60	7.90	56.00
12	39.36	15.30	59.54	33.00	5.80	7.91	56.00
13	42.64	15.20	59.36	33.10	5.60	7.92	53.50
14	45.92	15.20	59.36	33.10	5.80	7.91	50.00
15	49.20	15.10	59.18	33.20	5.60	7.92	47.00
16	52.48	15.10	59.18	33.10	5.30	7.92	45.50
17	55.76	15.10	59.18	33.10	5.30	7.92	43.00
18	59.04	15.10	59.18	33.10	5.10	7.92	43.00
19	62.32	15.00	59.00	33.20	5.00	7.91	20.00

DATE: DECEMBER 1974

STATION: 97 UNION PACIFIC RAILROAD DOCK

METERS FEET	DEPTH FEET	TEMPERATURE C.	TEMPERATURE F.	SALINITY 0/00	O.D2 PPM	PH H.ION CONC.	TURBIDITY %
00	0.0	14.20	57.56	31.30	5.40	8.19	66.50
01	3.28	14.20	57.56	32.00	5.40	8.20	75.00
02	6.56	14.20	57.56	32.20	5.40	8.20	75.00
03	9.84	14.30	57.74	32.40	5.20	8.20	74.00
04	13.12	14.60	58.28	32.30	5.20	8.21	74.00
05	16.40	14.70	58.46	32.40	5.20	8.21	73.50
06	19.68	14.70	58.46	32.50	5.20	8.22	73.50
07	22.96	14.60	58.28	32.70	5.50	8.24	71.00
08	26.24	14.60	58.28	32.90	5.60	8.26	71.00
09	29.52	14.60	58.28	33.10	5.80	8.28	67.00
10	32.80	14.60	58.28	33.10	5.80	8.28	65.00
11	36.08	14.60	58.28	33.20	5.80	8.29	64.00
12	39.36	14.60	58.28	33.30	5.80	8.30	63.00
13	42.64	14.60	58.28	33.30	5.80	8.30	62.00
14	45.92	14.60	58.28	33.30	5.80	8.29	59.00
15	49.20	14.60	58.28	33.30	5.60	8.28	58.00
16	52.48	14.60	58.28	33.40	5.20	8.25	58.00
17	55.76	14.60	58.28	33.40	5.20	8.24	59.00
18	59.04	14.60	58.28	33.40	4.80	8.23	-1.00
19	62.32	14.60	58.28	33.40	4.60	8.19	-1.00

*MISSING DATA VALUE IS -1.0

DATE: NOVEMBER 1974

STATION: 87 UNION PACIFIC RAILROAD DOCK

METERS FEET	DEPTH FEET	TEMPERATURE C.	TEMPERATURE F.	SALINITY 0/00	O.D2 PPM	PH H.ION CONC.	TURBIDITY %
00	0.0	15.00	59.72	33.50	6.10	7.94	83.00
01	3.28	15.20	59.36	33.50	6.10	7.94	83.00
02	6.56	15.10	59.18	33.50	6.00	7.96	84.00
03	9.84	14.90	58.62	33.60	6.00	7.98	84.50
04	13.12	14.80	58.64	33.60	6.70	7.98	84.00
05	16.40	14.80	58.64	33.60	7.00	8.01	84.00
06	19.68	14.80	58.64	33.60	7.00	8.01	82.00
07	22.96	14.70	58.46	33.70	7.30	8.02	73.50
08	26.24	14.70	58.46	33.60	7.60	8.04	71.00
09	29.52	14.70	58.46	33.70	7.40	8.03	68.50
10	32.80	14.60	58.28	33.60	7.70	8.04	68.00
11	36.08	14.60	58.28	33.70	7.60	8.04	64.00
12	39.36	14.60	58.28	33.60	7.60	8.03	65.50
13	42.64	14.60	58.28	33.60	7.50	8.03	60.00
14	45.92	14.60	58.28	33.60	7.20	8.02	58.50
15	49.20	14.60	58.28	33.60	7.10	8.01	58.50
16	52.48	14.60	58.28	33.60	6.80	8.00	56.50
17	55.76	14.60	58.10	33.60	6.40	7.98	56.00

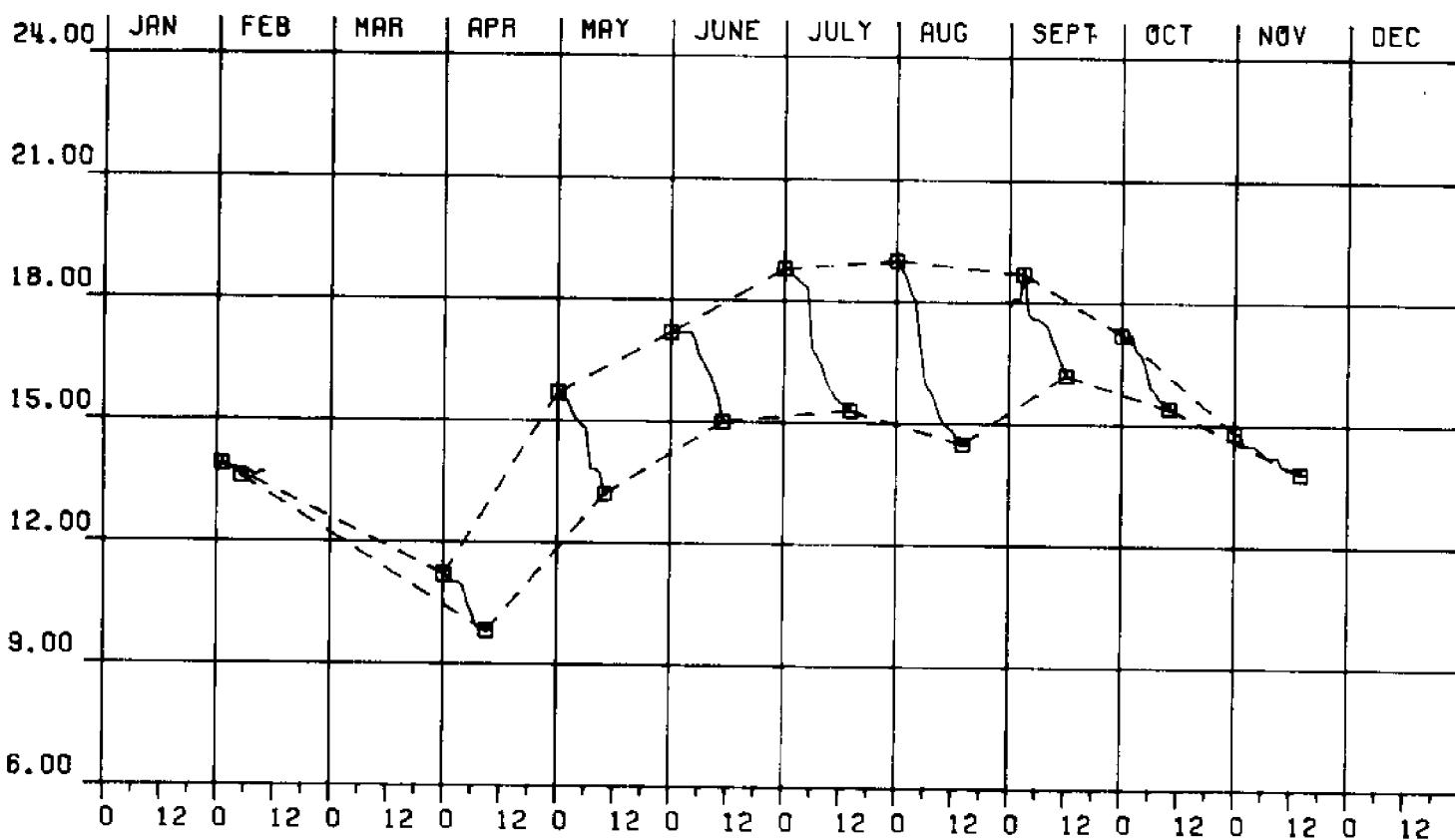
MISSING DATA VALUE IS -1.0

BB NAVY DEGAUSSING STATION

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

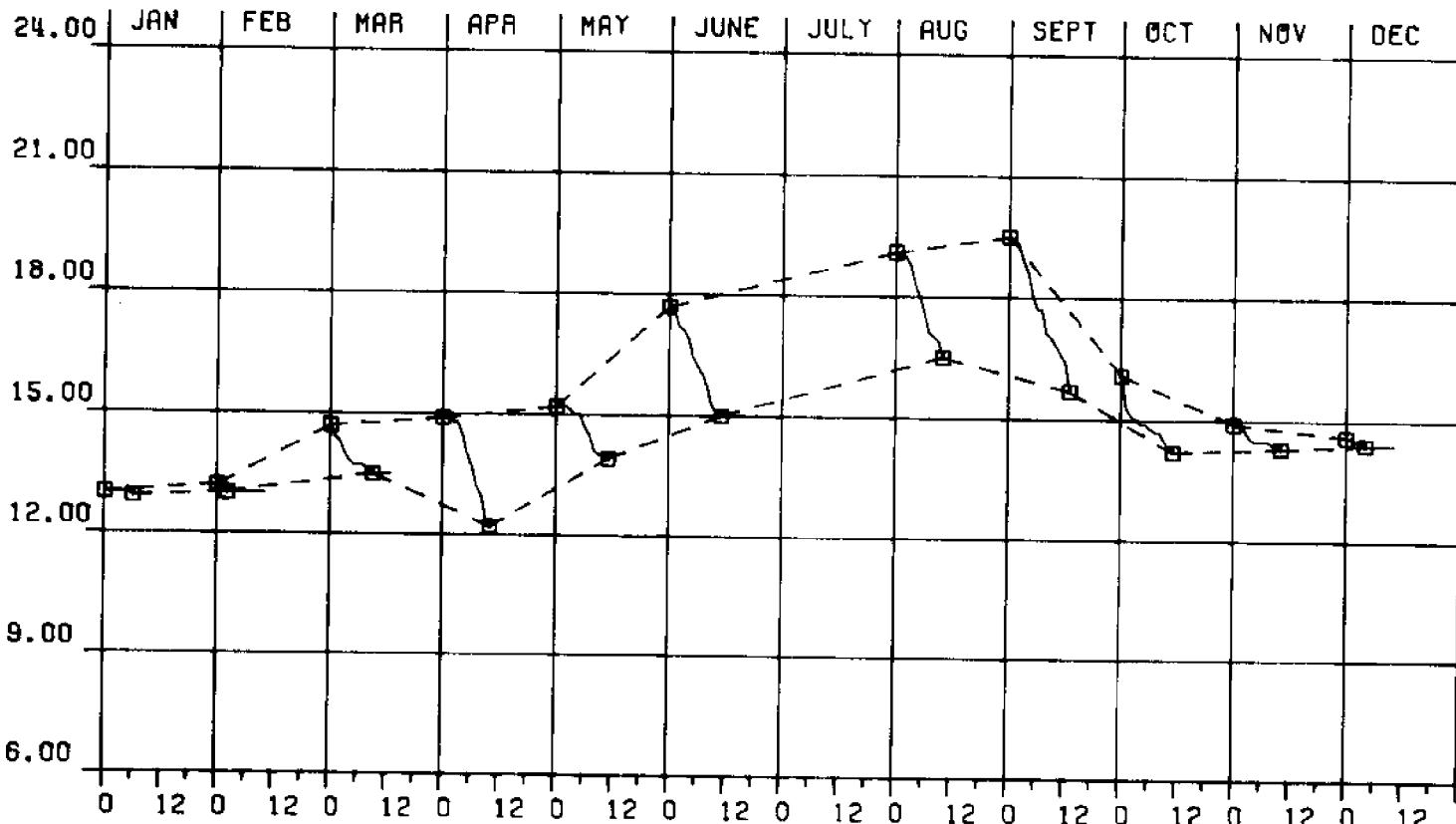


BB NAVY DEGAUSSING STATION

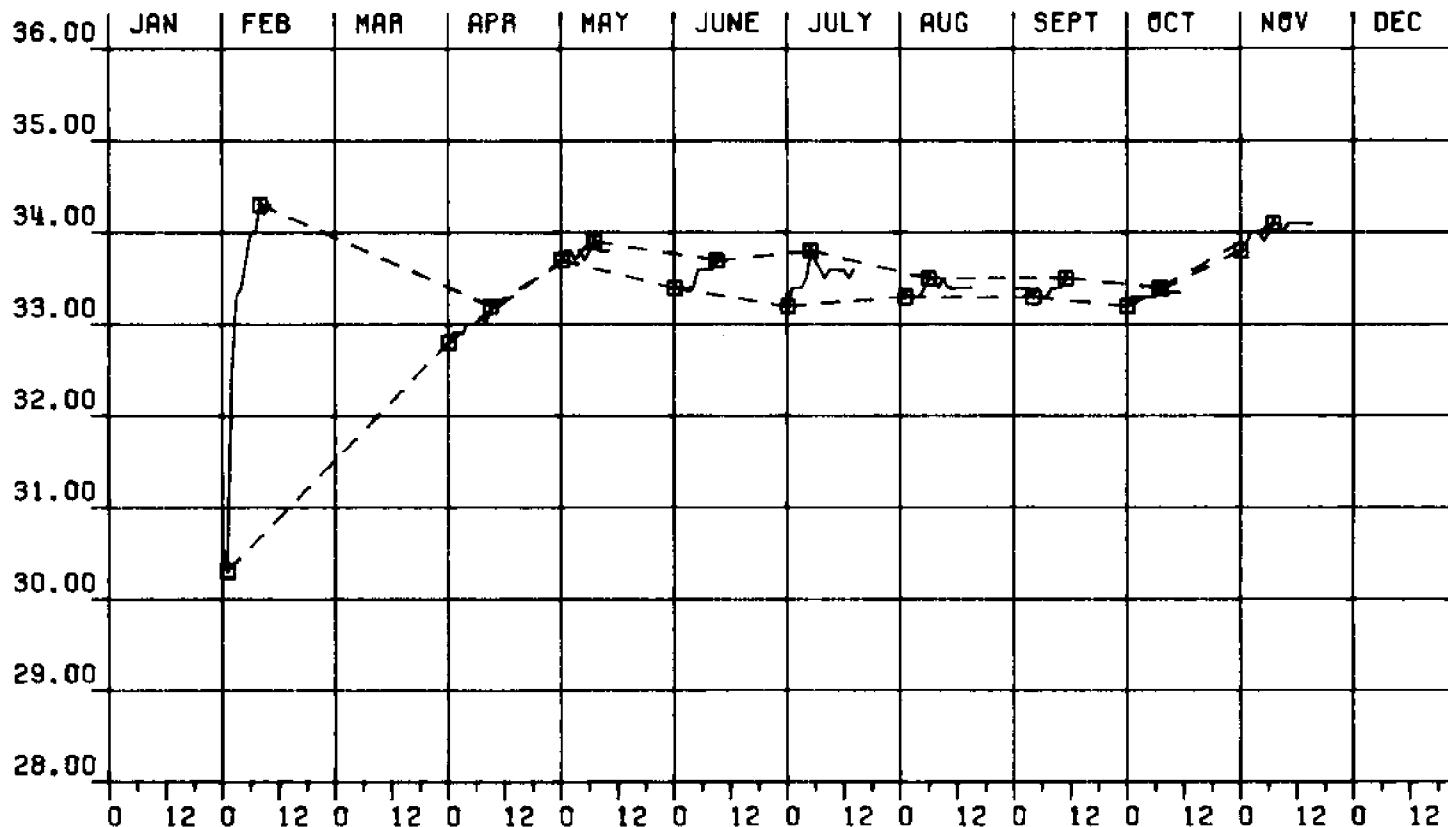
DATE: 1974

EACH SUBGRAPH BY MONTH

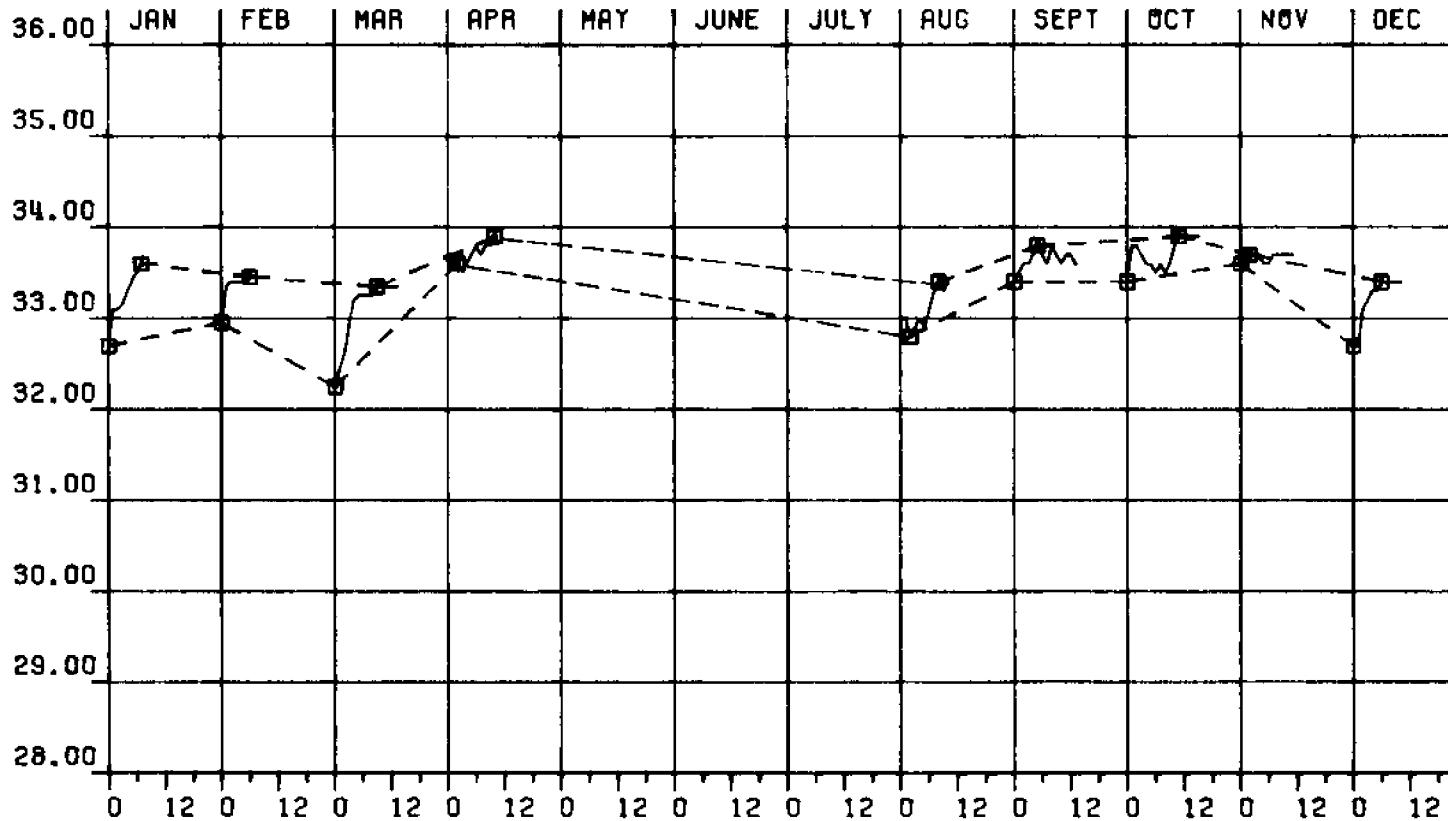
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



BB NAVY DEGAUSSING STATION
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



BB NAVY DEGAUSSING STATION
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT

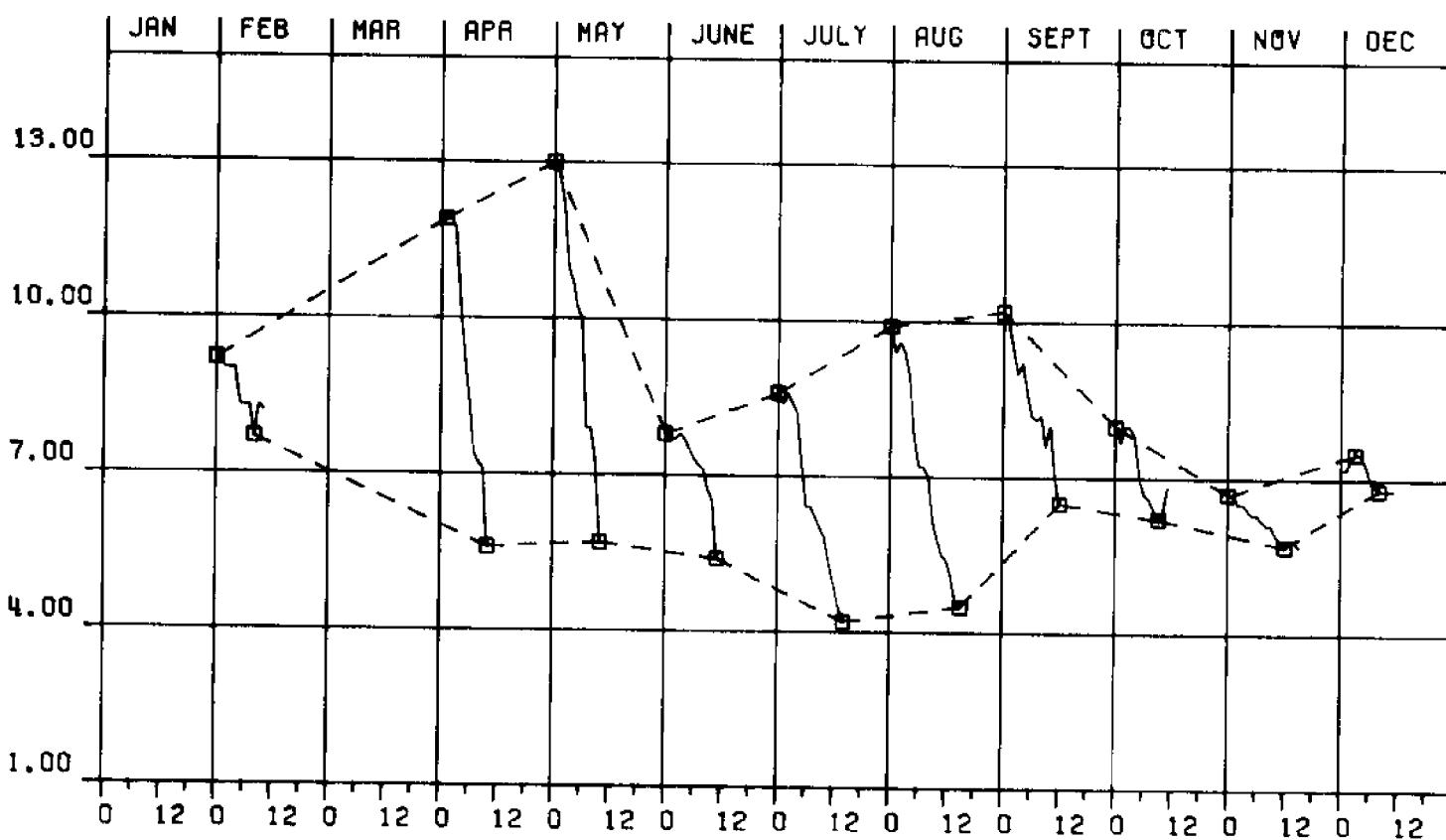


B8 NAVY DEGRAUSSING STATION

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM

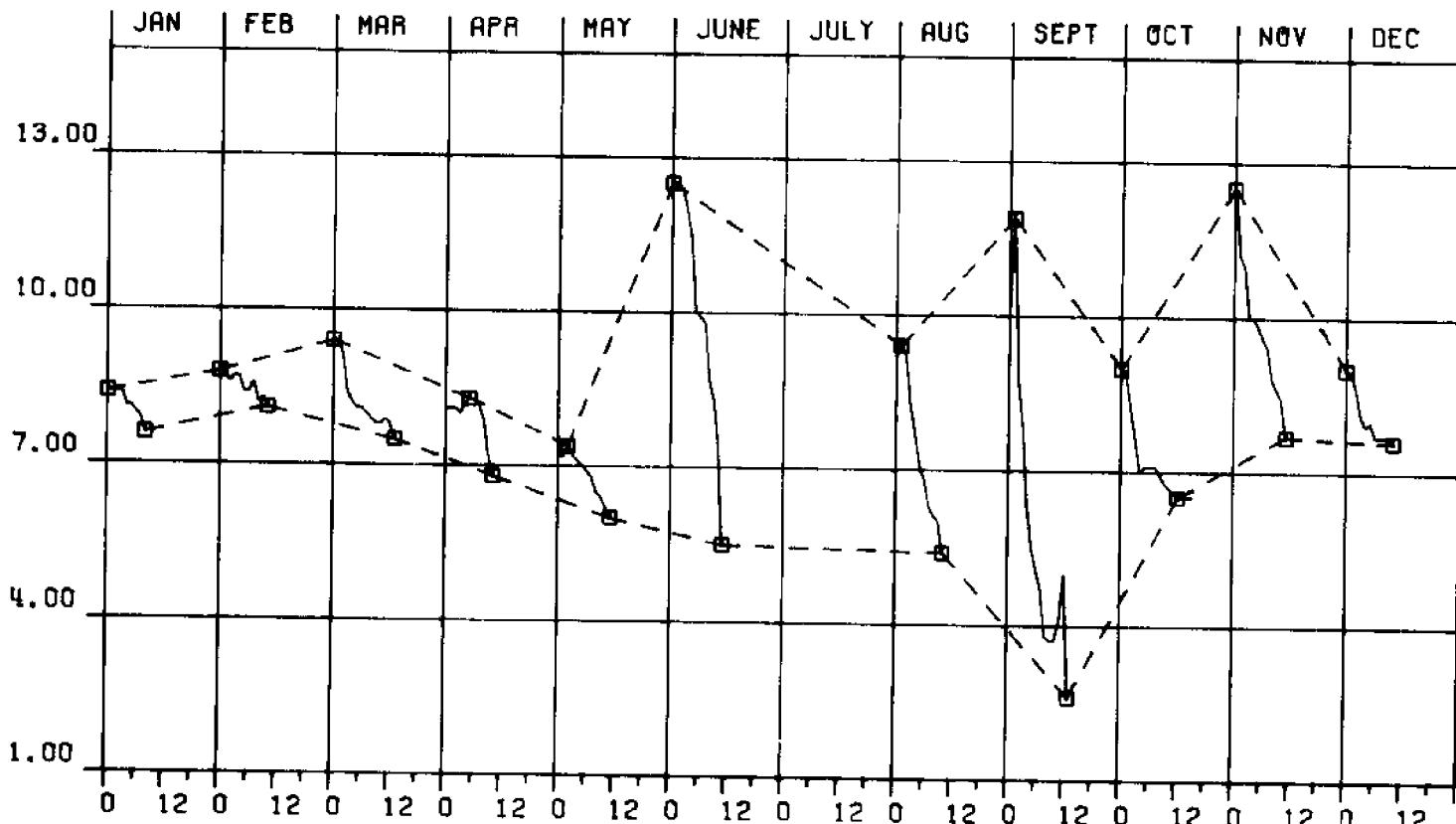


B8 NAVY DEGRAUSSING STATION

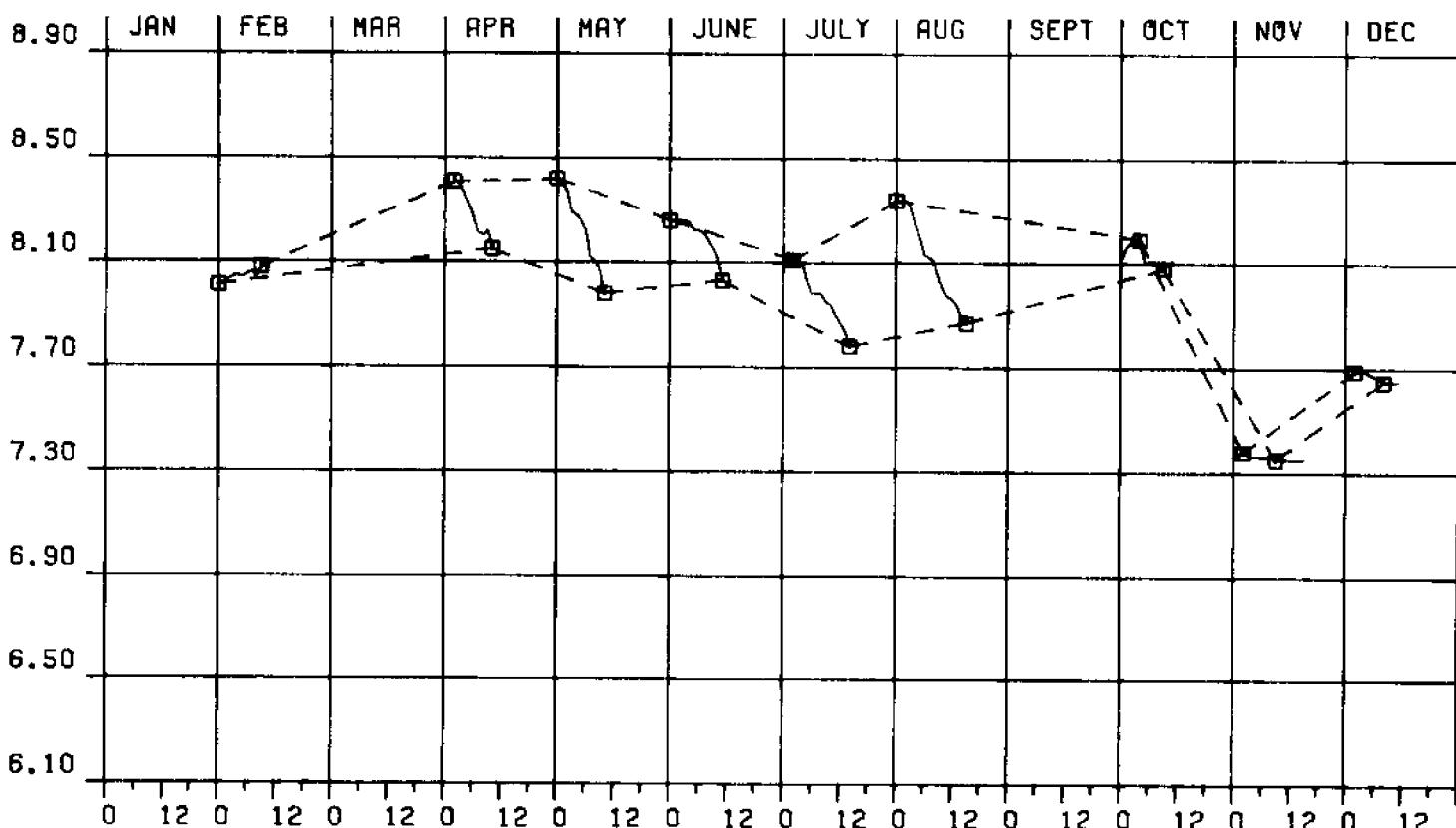
DATE: 1974

EACH SUBGRAPH BY MONTH

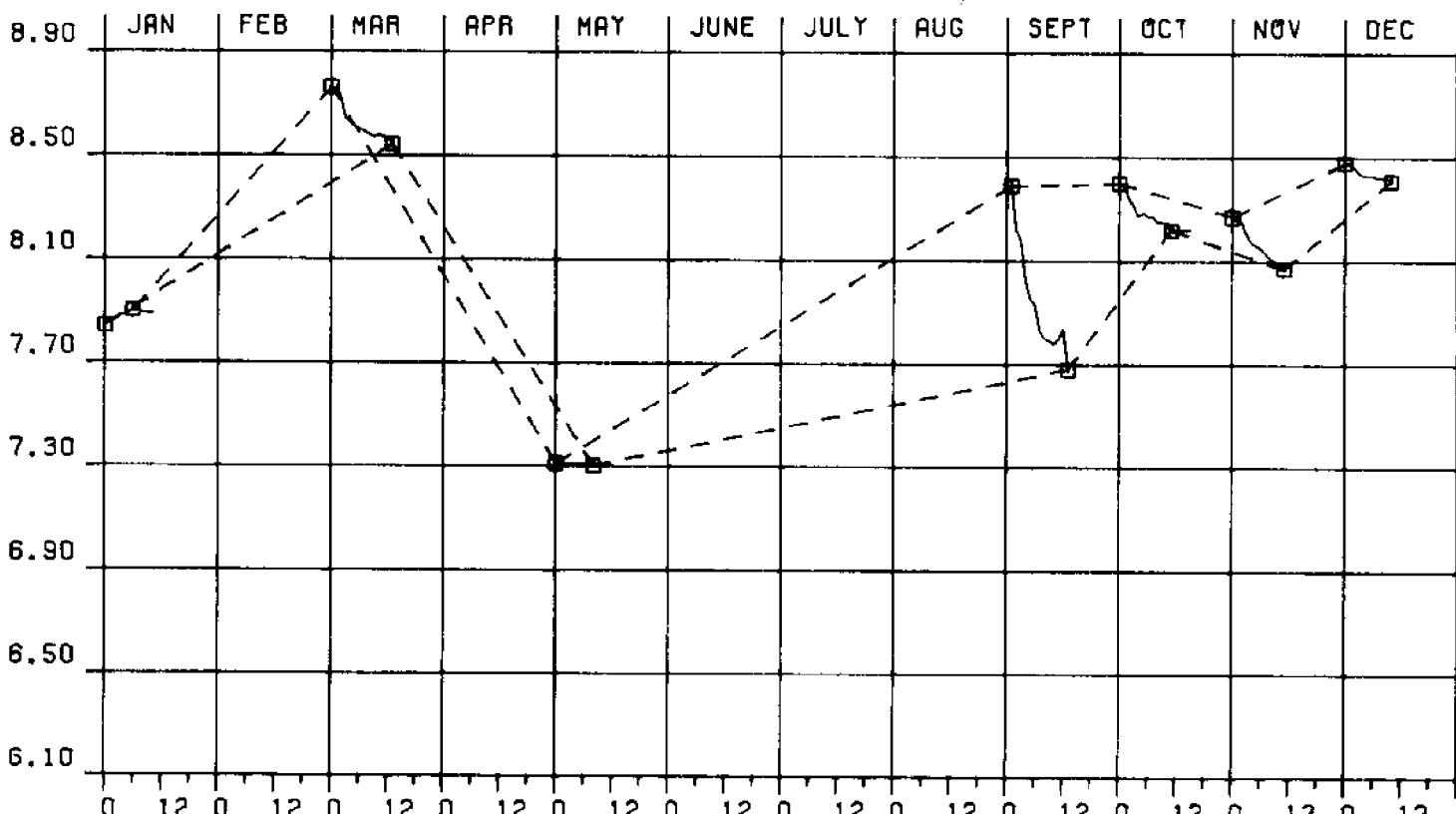
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



B8 NAVY DEGAUSSING STATION
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



B8 NAVY DEGAUSSING STATION
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: FEBRUARY 1973

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.O2 PPM	PH	H ION CONC	TURBIDITY %
00	0.0	13.60	56.84	30.60	9.20	8.01	-1.00	
01	3.28	13.90	57.02	30.30	9.10	8.01	-1.00	
02	6.56	13.80	56.84	32.50	9.00	8.03	-1.00	
03	9.84	13.80	56.84	33.30	9.00	8.04	-1.00	
04	13.12	13.80	56.84	33.40	9.00	8.05	-1.00	
05	16.40	13.80	56.84	33.70	8.30	8.04	-1.00	
06	19.68	13.70	56.66	34.00	8.30	8.05	-1.00	
07	22.96	13.70	56.66	34.00	8.30	8.06	-1.00	
08	26.24	13.60	56.48	34.30	7.70	8.04	-1.00	
09	29.52	13.70	56.66	34.20	8.30	8.08	-1.00	
10	32.80	13.70	56.66	34.30	8.20	8.08	-1.00	

DATE: MAY 1973

STATION: 89 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.O2 PPM	PH	H ION CONC	TURBIDITY %
00	0.0	15.70	59.26	33.70	13.00	8.42	-84.00	
01	3.28	15.50	59.90	33.80	12.80	8.41	-81.00	
02	6.56	15.50	59.90	33.80	12.20	8.37	-79.00	
03	9.84	15.20	59.36	33.70	11.00	8.29	-65.00	
04	13.12	15.00	59.00	33.80	10.70	8.28	-66.00	
05	16.40	14.90	58.82	33.70	10.20	8.26	-65.00	
06	19.68	14.80	58.64	33.80	10.00	8.22	-63.00	
07	22.96	13.80	56.84	33.90	7.90	8.12	-63.00	
08	26.24	13.80	56.84	33.80	7.90	8.10	-61.00	
09	29.52	13.70	56.66	33.80	7.20	8.07	-61.00	
10	32.80	13.20	55.76	33.80	5.70	7.98	-1.00	

DATE: MARCH 1973

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.O2 PPM	PH	H ION CONC	TURBIDITY %
00	0.0	14.00	57.20	32.30	9.70	8.22	-1.00	
01	3.28	13.90	57.02	32.40	9.70	8.22	-1.00	
02	6.56	13.90	57.02	32.50	9.80	8.23	-1.00	
03	9.84	13.40	56.12	32.80	9.80	8.23	-1.00	
04	13.12	13.20	55.76	33.00	10.00	8.23	-1.00	
05	16.40	13.10	55.58	33.20	9.50	8.22	-1.00	
06	19.68	13.10	55.58	33.20	8.70	8.20	-1.00	
07	22.96	13.10	55.58	33.40	8.10	8.19	-1.00	
08	26.24	13.10	55.58	33.40	8.00	8.19	-1.00	
09	29.52	13.10	55.58	33.40	7.80	8.18	-1.00	
10	32.80	13.00	55.40	33.40	7.50	8.15	-1.00	
11	36.08	12.50	54.50	33.60	7.70	8.15	-1.00	
12	39.36	12.30	54.14	33.80	7.80	8.15	-1.00	
13	42.64	11.90	53.42	33.60	7.10	8.11	-1.00	

DATE: JUNE 1973

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.O2 PPM	PH	H ION CONC	TURBIDITY %
00	0.0	17.20	62.96	33.40	7.80	8.26	-74.50	
01	3.28	17.20	62.96	33.40	7.70	8.26	-76.50	
02	6.56	17.20	62.96	33.40	7.70	8.26	-76.50	
03	9.84	17.20	62.96	33.40	7.80	8.26	-76.00	
04	13.12	17.20	62.96	33.40	7.70	8.25	-76.00	
05	16.40	17.00	62.60	33.60	7.50	8.22	-76.50	
06	19.68	16.60	61.88	33.60	7.30	8.22	-77.00	
07	22.96	16.40	61.52	33.60	7.20	8.21	-79.00	
08	26.24	16.20	61.16	33.60	7.10	8.18	-79.00	
09	29.52	15.90	60.62	33.70	6.70	8.15	-79.00	
10	32.80	15.60	60.08	33.70	6.50	8.12	-77.00	
11	36.08	15.00	59.00	33.70	5.40	8.03	-77.00	

DATE: JULY 1973

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.O2 PPM	PH	H ION CONC	TURBIDITY %
00	0.0	18.60	65.84	33.20	8.60	8.08	-1.00	
01	3.28	18.60	65.84	33.40	8.40	8.10	-1.00	
02	6.56	18.60	65.84	33.40	8.60	8.11	-1.00	
03	9.84	18.60	65.80	33.40	8.60	8.10	-1.00	
04	13.12	18.40	65.12	33.50	8.20	8.10	-1.00	
05	16.40	18.30	64.94	33.80	7.30	8.03	-1.00	
06	19.68	18.00	62.24	33.70	6.40	7.98	-1.00	
07	22.96	16.60	61.88	33.60	6.40	7.98	-1.00	
08	26.24	16.40	61.52	33.60	6.20	7.98	-1.00	
09	29.52	16.00	60.80	33.60	6.00	7.95	-1.00	
10	32.80	15.80	60.44	33.60	5.80	7.94	-1.00	
11	36.08	15.60	60.08	33.60	5.30	7.90	-1.00	
12	39.36	15.50	59.90	33.60	4.90	7.87	-1.00	
13	42.64	15.40	59.72	33.50	4.50	7.84	-1.00	
14	45.92	15.30	59.54	33.60	4.20	7.78	-1.00	

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

DATE: AUGUST 1973

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	DEPTH FETSI	TEMPERATURE		SALINITY P/00	D.O. PPM	PH	TURBIDITY NTU
		C	F				
00	0.0	19.00	66.20	33.40	9.90	8.34	-1.00
01	3.28	18.80	65.84	33.30	9.80	8.34	-1.00
02	6.56	18.60	65.48	33.30	9.60	8.34	-1.00
03	9.84	18.20	64.76	33.30	9.60	8.32	-1.00
04	13.12	18.00	64.40	33.30	9.90	8.26	-1.00
05	16.40	16.90	62.42	33.40	7.80	8.20	-1.00
06	19.68	16.00	60.80	33.50	7.20	8.13	-1.00
07	22.96	15.80	60.44	33.50	7.20	8.12	-1.00
08	26.24	15.60	60.08	33.40	7.00	8.11	-1.00
09	29.52	15.20	59.36	33.50	6.20	8.05	-1.00
10	32.80	15.00	59.00	33.40	5.80	8.00	-1.00
11	36.08	14.90	58.82	33.40	5.80	7.97	-1.00
12	39.36	14.80	58.64	33.40	5.40	7.96	-1.00
13	42.64	14.60	58.28	33.40	5.10	7.94	-1.00
14	45.92	14.50	58.10	33.40	4.60	7.88	-1.00
15	49.20	14.50	58.10	33.40	4.30	7.87	-1.00

DATE: SEPTEMBER 1973

STATION: 88 NAVY DEGAUSSING STATION

DEPTH SCIEBS EFFECT	TEMPERATURE °C	SALINITY ‰	DO-DZ		PH ION CONC.	TURBIDITY %
			E	D-20 PPM		
00	0.0	34.90	64.22	33.40	10.20	-1.00
01	3.28	18.10	64.58	33.40	10.00	-1.00
02	6.56	18.00	64.40	33.40	9.80	-1.00
03	9.84	18.70	65.66	33.40	9.00	-1.00
04	13.12	17.70	63.86	33.30	9.20	-1.00
05	16.40	17.60	63.68	33.40	8.70	-1.00
06	19.68	17.60	63.68	33.30	8.20	-1.00
07	22.96	17.50	63.50	33.30	8.10	-1.00
08	26.24	17.40	63.32	33.40	8.20	-1.00
09	29.52	17.10	62.78	33.40	7.60	-1.00
10	32.80	16.80	62.24	33.40	8.00	-1.00
11	36.08	16.50	61.70	33.50	7.00	-1.00
12	39.36	16.20	61.16	33.50	6.50	-1.00

PAGE: OCTOBER 1973

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	DODGE PPM	PH	TURBIDITY NTU
00	0-0	17.20	62.96	33.20	6.00	8.12	69.00
01	3.28	17.00	62.60	33.30	7.70	8.16	71.00
02	6.56	17.20	62.96	33.30	8.00	8.18	75.00
03	9.84	16.80	62.24	33.30	8.00	8.17	80.50
04	13.12	16.70	62.06	33.30	7.80	8.19	80.50
05	16.40	16.80	61.92	33.30	7.00	8.10	80.50
06	19.68	15.90	60.62	33.30	6.70	8.11	81.00
07	22.96	15.80	60.44	33.40	6.60	8.11	82.00
08	26.24	15.60	60.08	33.30	6.80	8.09	85.50
09	29.52	15.00	59.08	33.35	6.21	8.08	85.00
10	32.80	15.40	59.72	33.35	6.30	8.10	81.50
11	36.08	15.40	59.72	33.35	6.82	8.11	67.00

DATED: NOVEMBER 1971

STATIONS: BB NAVY DEGAUSSING STATION

DEPTH SEIBER ELEVE	TEMPERATURE C	TEMPERATURE F	SALINITY ‰/‰	D.O.D PPM	PH	TURBIDITY	
						N. ION CONC.	%
00	0+0	14.80	58.64	33.80	6.70	7.36	77.00
01	3+28	14.80	58.64	33.80	6.70	7.37	84.00
02	6+56	14.50	58.10	34.00	6.50	7.38	86.00
03	9.84	14.50	58.10	34.00	6.50	7.37	88.00
04	13+12	14.50	58.10	34.00	6.40	7.36	89.00
05	16+40	14.60	57.92	33.90	6.30	7.36	88.50
06	19+68	14.30	57.74	34.00	6.30	7.36	87.00
07	22+96	14.20	57.56	34.10	6.20	7.36	86.50
08	26+24	14.20	57.56	34.10	6.10	7.36	86.00
09	29+52	14.20	57.56	34.00	6.10	7.35	86.00
10	32+80	14.00	57.20	34.10	5.90	7.35	84.50
11	36.08	13.90	57.02	34.10	5.80	7.35	78.50
12	39.36	13.90	57.02	34.10	5.70	7.35	75.50
13	42.64	13.90	57.02	34.10	5.80	7.36	76.00
14	45.92	13.80	56.84	34.10	5.80	7.35	73.00
15	49.20	13.80	56.84	34.10	5.70	7.35	22.00

DATE: DECEMBER 1973

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	ELEVI-	TEMPERATURE		SALINITY ‰	O ₂ PPM	PH	TURBIDITY %
		C	F				
00	6.40	-1.00	-1.00	-1.00	7.20	7.66	83.00
01	3.25	-1.00	-1.00	-1.00	7.20	7.66	84.00
02	6.56	-1.00	-1.00	-1.00	7.40	7.66	83.50
03	9.84	-1.00	-1.00	-1.00	7.50	7.69	84.00
04	13.12	-1.00	-1.00	-1.00	7.50	7.69	83.50
05	16.40	-1.00	-1.00	-1.00	7.30	7.66	83.00
06	19.68	-1.00	-1.00	-1.00	7.00	7.67	82.00
07	22.96	-1.00	-1.00	-1.00	6.90	7.66	81.00
08	26.24	-1.00	-1.00	-1.00	6.80	7.66	80.00
09	29.52	-1.00	-1.00	-1.00	6.80	7.65	80.00
10	32.80	-1.00	-1.00	-1.00	6.80	7.65	79.00
11	36.08	-1.00	-1.00	-1.00	6.70	7.65	78.00

DATE: JANUARY 1970

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	DEPTH FEET	TEMPERATURE		SALINITY ‰/‰	DO-D2 PPM	PH	ALKALINITY M. ION CONC.	TURBIDITY %
		C	F					
00	0.0	13.00	55.40	33.70	8.40	7.84	89.50	
01	3.428	13.00	55.40	33.10	8.40	7.86	89.00	
02	6.856	13.00	55.40	33.10	8.40	7.86	88.50	
03	9.284	13.00	55.40	33.15	8.40	7.86	87.00	
04	13.112	13.00	55.40	33.30	8.10	7.86	87.00	
05	16.440	13.00	55.40	33.40	8.10	7.89	87.00	
06	19.768	12.90	55.22	33.50	8.00	7.90	87.00	
07	22.996	12.90	55.22	33.60	7.90	7.90	85.00	
08	26.224	12.90	55.22	33.60	7.80	7.89	79.00	
09	29.452	12.90	55.22	33.60	7.60	7.89	74.00	
10	32.680	12.90	55.22	33.60	7.60	7.89	71.00	

MISSING DATA VALUE IS -1

DATE: FEBRUARY 1974

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	M.ION CONC.	TURBIDITY %
00	0.0	13.20	35.76	8.80	-1.00	-1.00
01	3.28	13.10	35.58	8.70	-1.00	-1.00
02	6.56	13.00	35.40	8.60	-1.00	-1.00
03	9.84	13.00	35.40	8.70	-1.00	-1.00
04	13.12	13.00	35.40	8.70	-1.00	-1.00
05	16.40	13.00	35.40	8.60	-1.00	-1.00
06	19.68	13.00	35.40	8.60	-1.00	-1.00
07	22.96	13.00	35.40	8.60	-1.00	-1.00
08	26.24	13.00	35.40	8.70	-1.00	-1.00
09	29.52	13.00	35.40	8.70	-1.00	-1.00
10	32.80	13.00	35.40	8.10	-1.00	-1.00

DATE: MAY 1974

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE °C	SALINITY [*] ‰	D.O2 PPM	PH	M.ION CONC.	TURBIDITY %
00	0.0	15.20	35.36	32.30	7.20	7.31
01	3.28	15.20	35.36	32.20	7.20	7.31
02	6.56	15.20	35.36	32.20	7.40	7.31
03	9.84	15.10	35.18	32.15	7.20	7.31
04	13.12	15.00	35.00	32.10	7.10	7.31
05	16.40	15.00	35.00	32.15	7.00	7.31
06	19.68	14.70	35.46	32.15	6.90	7.31
07	22.96	14.50	35.10	32.20	6.80	7.31
08	26.24	14.10	35.38	32.20	6.80	7.30
09	29.52	14.00	35.20	32.15	6.40	7.30
10	32.80	14.00	35.20	32.15	6.20	7.30
11	36.08	13.90	35.02	32.20	6.00	7.30

* Possible probe malfunction

DATE: MARCH 1974

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	M.ION CONC.	TURBIDITY %
00	0.0	14.70	35.46	32.25	9.40	8.76
01	3.28	14.40	35.92	32.45	9.40	8.75
02	6.56	14.30	35.74	32.60	9.10	8.72
03	9.84	14.00	35.20	32.95	9.40	8.64
04	13.12	13.80	35.54	33.20	8.20	8.62
05	16.40	13.70	35.66	33.25	8.10	8.61
06	19.68	13.70	35.66	33.25	8.10	8.60
07	22.96	13.70	35.66	33.25	8.00	8.59
08	26.24	13.60	35.48	33.25	7.90	8.58
09	29.52	13.50	35.30	33.35	7.80	8.57
10	32.80	13.50	35.30	33.35	7.80	8.58
11	36.08	13.50	35.30	33.35	7.90	8.57
12	39.36	13.50	35.30	33.35	7.80	8.57
13	42.64	13.50	35.30	33.35	7.50	8.54

DATE: JUNE 1974

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE °C	SALINITY [*] ‰	D.O2 PPM	PH	M.ION CONC.	TURBIDITY %
00	0.0	17.70	63.86	31.10	12.50	-1.00
01	3.28	17.80	63.68	31.20	12.50	-1.00
02	6.56	17.20	62.96	31.40	12.40	-1.00
03	9.84	17.10	62.78	31.40	12.00	-1.00
04	13.12	16.90	62.42	31.00	11.50	-1.00
05	16.40	16.40	61.52	31.30	10.80	-1.00
06	19.68	16.20	61.16	31.40	9.90	-1.00
07	22.96	16.00	60.80	31.50	9.80	-1.00
08	26.24	15.70	60.20	31.40	9.70	-1.00
09	29.52	15.20	59.36	31.60	8.30	-1.00
10	32.80	15.10	59.18	31.50	7.50	-1.00
11	36.08	15.00	59.00	31.50	5.50	-1.00

* Possible probe malfunction

DATE: APRIL 1974

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	M.ION CONC.	TURBIDITY %
00	0.0	14.90	58.82	33.70	8.10	-1.00
01	3.28	14.90	58.82	33.70	8.10	-1.00
02	6.56	14.80	58.64	33.60	8.10	-1.00
03	9.84	14.80	58.64	33.70	8.00	-1.00
04	13.12	14.50	58.10	33.60	8.20	-1.00
05	16.40	14.00	57.20	33.70	8.30	-1.00
06	19.68	13.70	58.66	33.80	8.30	-1.00
07	22.96	13.20	55.76	33.70	8.20	-1.00
08	26.24	13.00	55.40	33.60	7.90	-1.00
09	29.52	12.60	55.32	33.60	7.20	-1.00
10	32.80	12.20	53.96	33.90	6.80	-1.00

DATE: AUGUST 1974

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE °C	SALINITY [*] ‰	D.O2 PPM	PH	M.ION CONC.	TURBIDITY %
00	0.0	19.10	66.38	33.00	9.20	-1.00
01	3.28	19.00	66.20	33.00	9.40	-1.00
02	6.56	19.00	66.20	32.80	9.20	-1.00
03	9.84	19.80	65.84	32.90	8.30	-1.00
04	13.12	18.30	64.94	33.00	7.70	-1.00
05	16.40	18.00	64.40	32.90	7.10	-1.00
06	19.68	17.60	63.68	33.10	6.50	-1.00
07	22.96	17.10	62.78	33.30	6.30	-1.00
08	26.24	17.00	62.60	33.40	6.10	-1.00
09	29.52	16.90	62.42	33.30	6.00	-1.00
10	32.80	16.50	61.70	33.40	5.40	-1.00

MISSING DATA VALUE IS -1.0

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1974

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	19.50	33.40	10.20	8.37
01	3.28	19.40	33.52	11.90	8.39
02	6.56	19.30	33.47	8.70	8.22
03	9.84	18.90	33.62	7.80	8.17
04	13.12	18.60	33.70	6.30	8.02
05	16.40	18.10	33.80	5.50	7.95
06	19.68	17.70	33.86	5.10	7.93
07	22.96	17.70	33.86	4.70	7.83
08	26.24	17.10	33.80	3.80	7.80
09	29.52	17.00	33.70	3.70	7.79
10	32.80	16.80	33.60	3.70	7.76
11	36.08	16.50	33.70	4.10	7.80
12	39.36	16.40	33.70	5.00	7.84
13	42.64	15.70	33.60	2.60	7.68
					-1.00

DATE: NOVEMBER 1974

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	14.90	33.62	33.60	12.50
01	3.28	14.90	33.62	33.60	11.20
02	6.56	14.80	33.64	33.70	11.00
03	9.84	14.60	33.25	33.70	10.00
04	13.12	14.50	33.10	33.70	10.00
05	16.40	14.50	33.10	33.60	9.80
06	19.68	14.50	33.10	33.60	9.80
07	22.96	14.50	33.10	33.70	9.40
08	26.24	14.40	33.70	8.80	8.11
09	29.52	14.40	33.70	8.60	8.10
10	32.80	14.30	33.70	8.40	8.09
11	36.08	14.30	33.70	7.70	8.07
					73.50

DATE: DECEMBER 1974

STATION: 88 NAVY DEGAUSSING STATION

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	14.10	30.98	33.40	9.00
01	3.28	15.30	30.54	33.80	8.90
02	6.56	15.10	30.18	33.80	8.20
03	9.84	15.00	30.00	33.70	7.60
04	13.12	14.90	30.82	33.80	7.00
05	16.40	14.90	30.82	33.80	7.10
06	19.68	14.80	30.64	33.80	7.10
07	22.96	14.70	30.46	33.80	7.10
08	26.24	14.70	30.46	33.80	7.00
09	29.52	14.50	30.10	33.80	6.80
10	32.80	14.30	30.74	33.80	6.70
11	36.08	14.20	30.56	33.80	6.60
12	39.36	14.20	30.56	33.80	6.50
13	42.64	14.20	30.56	33.80	6.50
14	45.92	14.20	30.56	33.80	6.22
15	49.20	14.20	30.56	33.80	6.22
					52.00

MISSING DATA VALUE IS -1.0

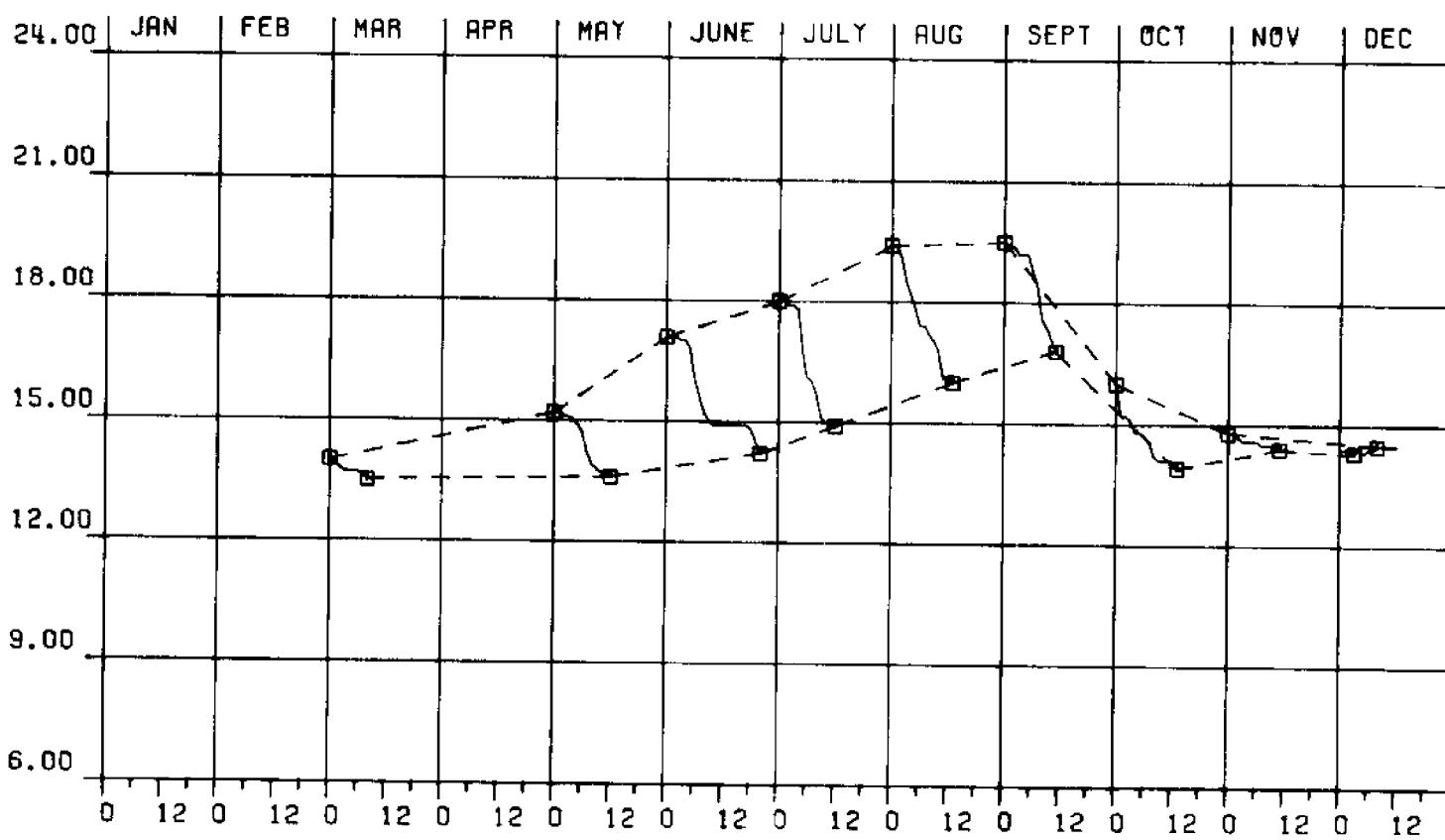
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B9 1800 YDS SSE NAVY MOLE LIGHT "2"

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

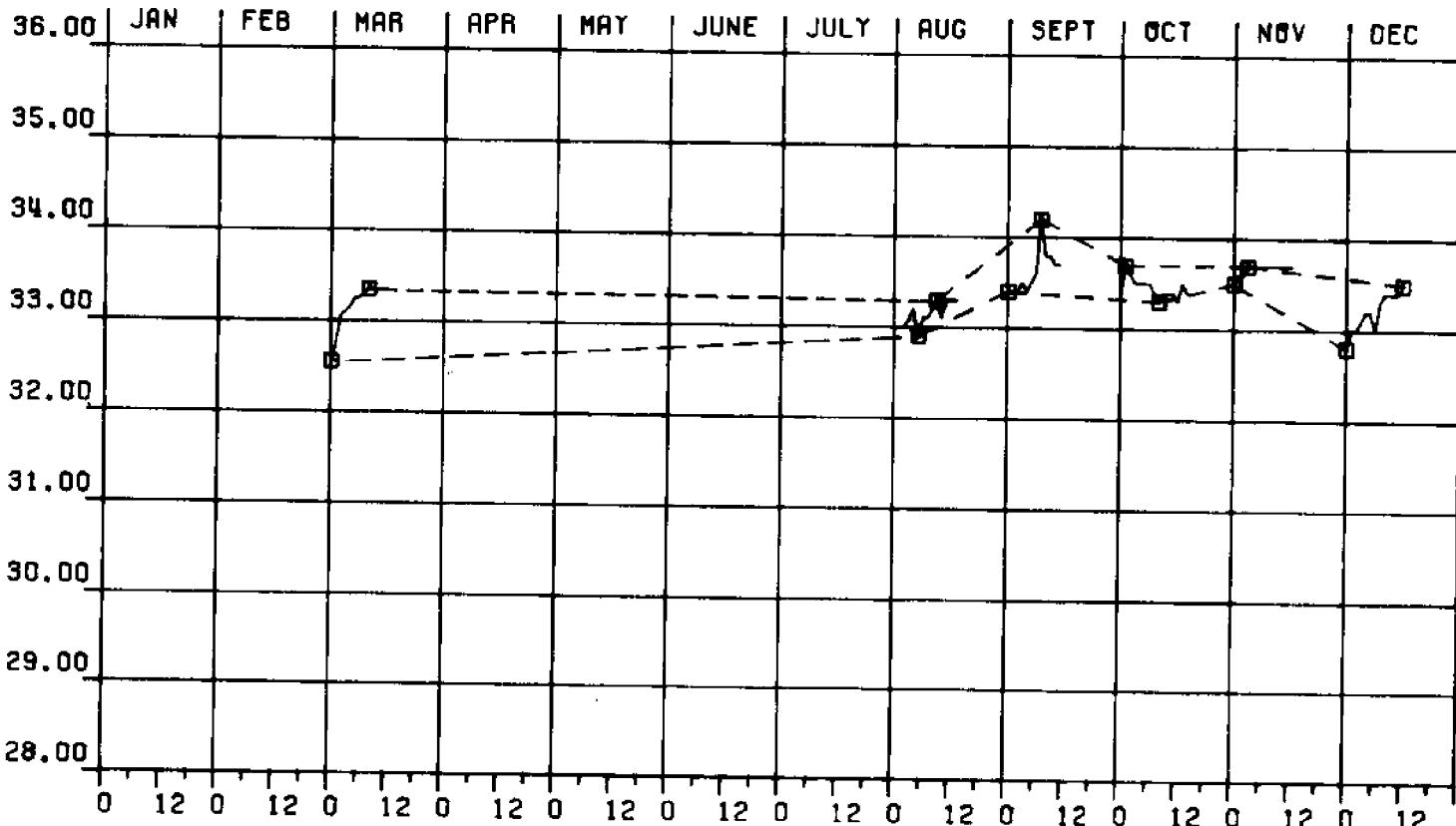


B9 1800 YDS SSE NAVY MOLE LIGHT "2"

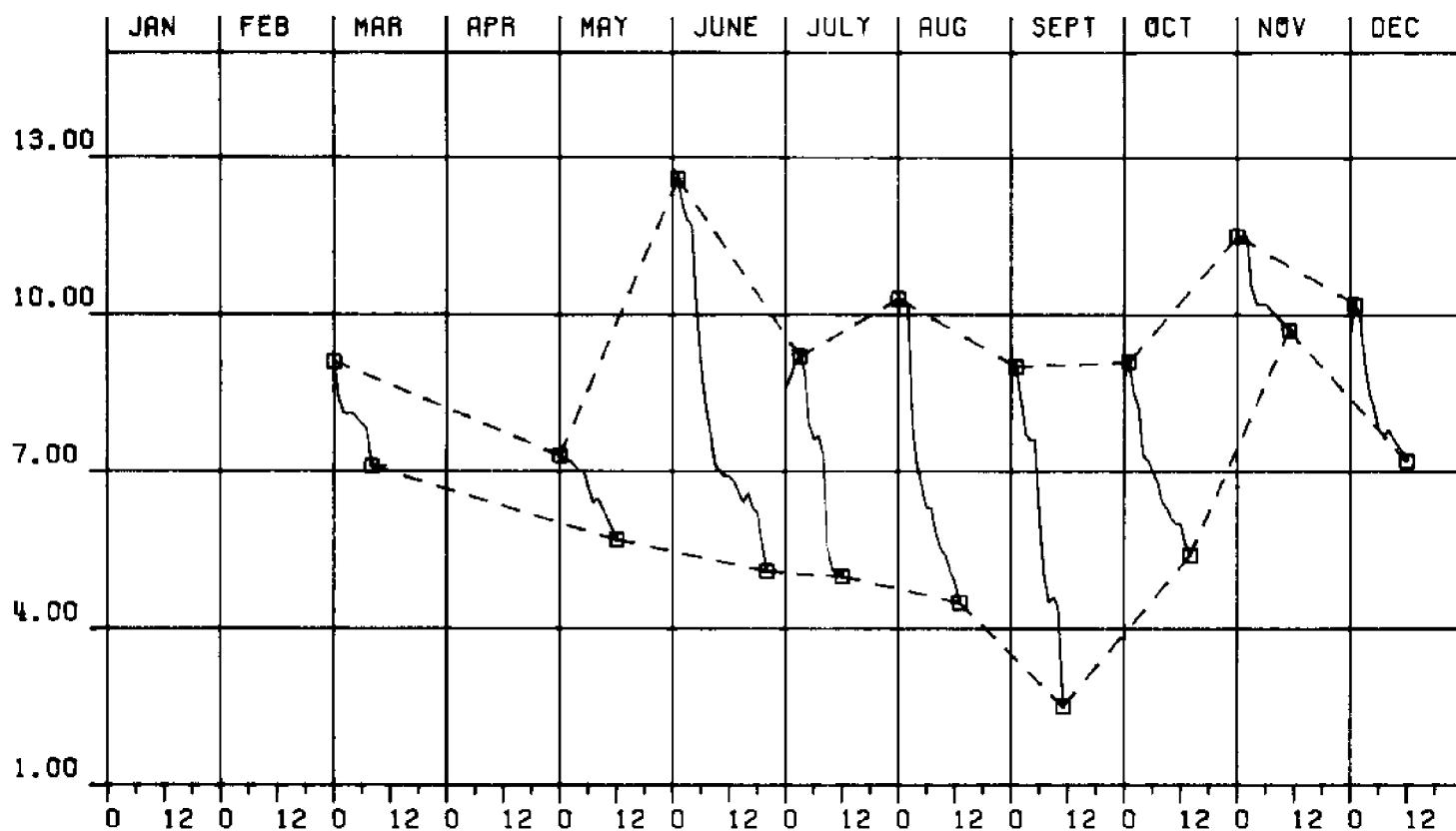
DATE: 1974

EACH SUBGRAPH BY MONTH

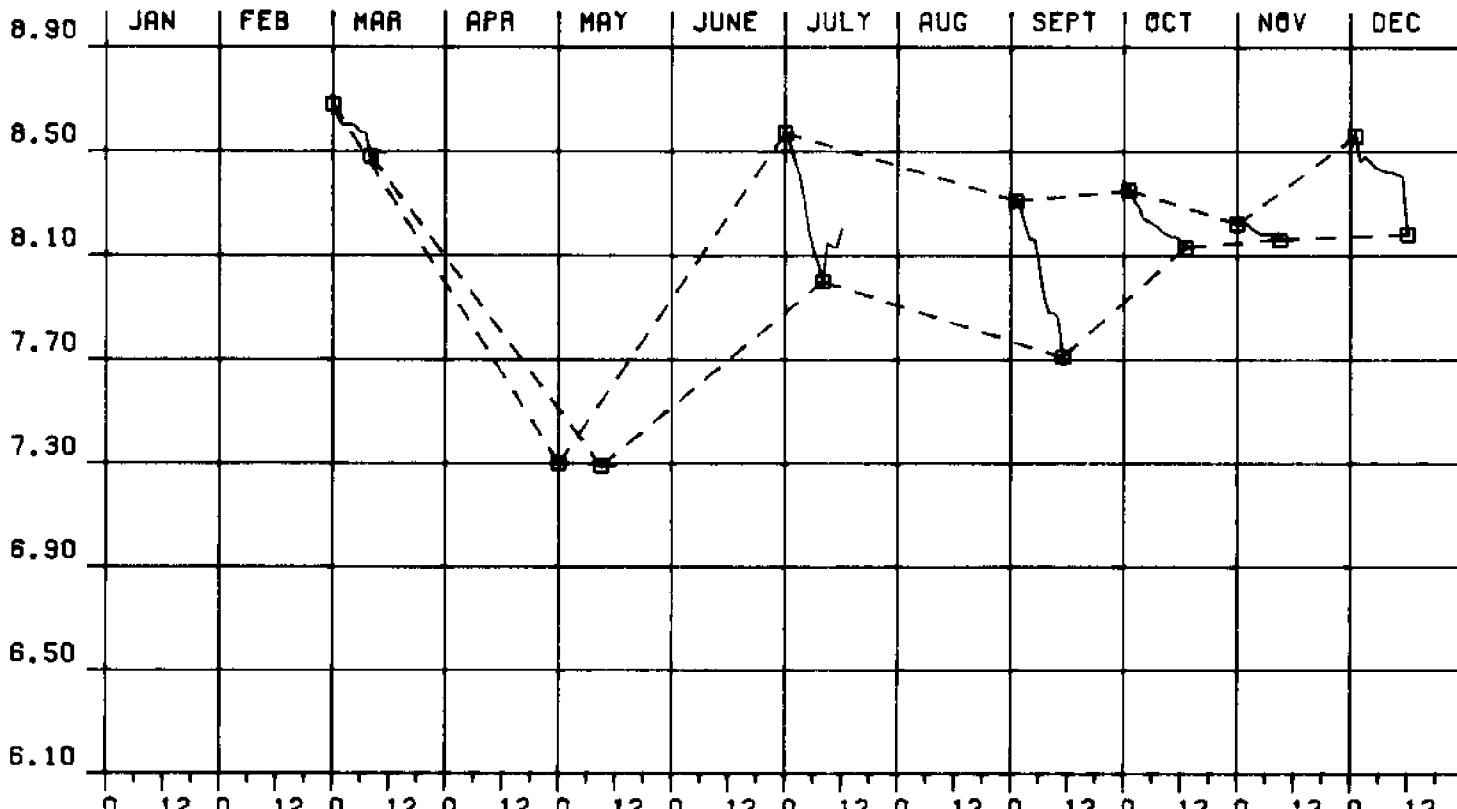
DATA: DEPTH METERS VS. SALINITY PPT



B9 1800 YDS SSE NAVY MOLE LIGHT "2"
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



B9 1800 YDS SSE NAVY MOLE LIGHT "2"
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MARCH 1974
 STATION: 89 1800 YDS SSE NAVY MOLE LIGHT "2"

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	H.ION CONC N	TURBIDITY	
00	6.0	14.00	57.20	32.55	9.10	8.68	80.00
01	3.28	13.90	57.02	32.75	8.40	8.63	80.00
02	6.56	13.80	56.84	33.05	8.10	8.60	83.00
03	9.84	13.70	56.66	33.10	8.10	8.60	83.50
04	13.12	13.70	56.66	33.15	8.10	8.60	83.50
05	16.40	13.70	56.66	33.25	8.00	8.59	83.50
06	19.68	13.70	56.66	33.25	7.90	8.57	86.00
07	22.96	13.60	56.48	33.30	7.80	8.57	86.00
08	26.24	13.50	56.30	33.35	7.10	8.48	84.50
09	29.52	13.50	56.30	33.35	7.10	8.49	71.50
10	32.80	13.50	56.30	33.35	7.10	8.50	68.50
11	36.08	13.50	56.30	33.35	7.10	8.49	69.50

MISSING DATA VALUE IS -1.0

DATE: MAY 1974
 STATION: 89 1800 YDS SSE NAVY MOLE LIGHT "2"

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	H.ION CONC N	TURBIDITY	
00	6.0	15.20	59.36	32.55	7.30	7.30	84.00
01	3.28	15.20	59.36	32.50	7.20	7.30	87.00
02	6.56	15.10	59.18	32.50	7.20	7.30	87.50
03	9.84	15.10	59.18	32.50	7.10	7.30	98.00
04	13.12	15.00	59.00	32.50	7.00	7.30	88.00
05	16.40	14.90	58.82	32.55	7.00	7.30	88.50
06	19.68	14.70	58.46	32.65	6.70	7.30	89.00
07	22.96	14.60	57.56	32.60	6.40	7.30	89.00
08	26.24	13.90	57.02	32.70	6.50	7.30	81.00
09	29.52	13.80	56.84	32.65	6.30	7.29	78.00
10	32.80	13.70	56.66	32.65	6.10	7.29	77.00
11	36.08	13.70	56.66	32.65	5.90	7.29	72.00
12	39.36	13.60	56.48	32.65	5.70	7.29	-1.00

* Possible probe malfunction

MISSING DATA VALUE IS -1.0

DATE: JUNE 1974
 STATION: 89 1800 YDS SSE NAVY MOLE LIGHT "2"

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	H.ION CONC N	TURBIDITY	
00	6.0	17.10	62.78	31.10	12.50	-1.00	83.00
01	3.28	17.10	62.78	31.20	12.60	-1.00	83.00
02	6.56	17.10	62.78	31.10	12.10	-1.00	84.00
03	9.84	17.00	62.60	31.20	11.80	-1.00	86.00
04	13.12	17.00	62.60	31.10	11.70	-1.00	89.00
05	16.40	16.80	62.24	31.20	10.10	-1.00	92.00
06	19.68	16.00	60.80	31.50	9.00	-1.00	89.50
07	22.96	15.60	60.08	31.70	8.20	-1.00	87.00
08	26.24	15.20	59.36	31.70	7.70	-1.00	84.00
09	29.52	15.00	59.00	31.60	7.10	-1.00	76.00
10	32.80	14.90	58.62	31.60	7.00	-1.00	75.50
11	36.08	14.90	58.62	31.60	6.90	-1.00	75.50
12	39.36	14.90	58.62	31.60	6.90	-1.00	74.50
13	42.64	14.90	58.62	31.60	6.80	-1.00	73.50
14	45.92	14.90	58.52	31.60	6.80	-1.00	73.50
15	49.20	14.90	58.62	31.60	6.80	-1.00	76.50
16	52.48	14.90	58.62	31.60	6.80	-1.00	77.00
17	55.76	14.90	58.62	31.60	6.30	-1.00	77.50
18	59.04	14.80	58.64	31.60	6.20	-1.00	78.00
19	62.32	14.50	58.10	31.90	5.50	-1.00	72.50
20	65.60	14.20	57.56	32.00	5.10	-1.00	63.00

DATE: JULY 1974
 STATION: 89 1800 YDS SSE NAVY MOLE LIGHT "2"

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	H.ION CONC N	TURBIDITY	
00	6.0	15.00	64.40	-1.00	8.60	-1.00	71.00
01	3.28	15.00	64.40	-1.00	8.60	-1.00	73.00
02	6.56	17.00	64.22	-1.00	9.10	-1.00	73.00
03	9.84	17.90	64.22	-1.00	9.20	-1.00	73.50
04	13.12	17.80	64.04	-1.00	8.90	-1.00	75.00
05	16.40	16.80	62.24	-1.00	7.90	-1.00	78.00
06	19.68	16.10	60.90	-1.00	7.60	-1.00	78.50
07	22.96	16.00	60.80	-1.00	7.70	-1.00	78.50
08	26.24	15.70	60.26	-1.00	7.30	-1.00	71.00
09	29.52	15.10	59.18	-1.00	5.50	-1.00	66.00
10	32.80	15.00	59.00	-1.00	5.10	-1.00	65.00
11	36.08	15.00	59.00	-1.00	5.10	-1.00	64.50
12	39.36	14.90	58.62	-1.00	5.00	-1.00	64.00

MISSING DATA VALUE IS +1.0

DATE: AUGUST 1974

STATION: 89 1800 YDS SSE NAVY MOLE LIGHT #2"

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
FEET		E	0200		
00	0.0	19.40	36.92	33.00	10.30
01	3.28	19.40	36.92	33.00	10.20
02	6.56	19.10	36.38	33.00	10.20
03	9.84	18.50	35.30	33.10	7.90
04	13.12	18.20	34.76	33.20	7.10
05	16.40	17.80	34.04	32.90	6.70
06	19.68	17.40	33.32	33.10	6.30
07	22.96	17.40	33.32	33.10	6.30
08	26.24	17.20	32.96	33.20	5.80
09	29.52	17.00	32.60	33.30	5.50
10	32.80	16.80	32.24	33.10	5.40
11	36.08	16.10	30.98	33.30	5.10
12	39.36	16.10	30.98	33.30	4.90
13	42.64	16.00	30.80	33.30	4.80
					-1.00

DATE: NOVEMBER 1974

STATION: 89 1800 YDS SSE NAVY MOLE LIGHT #2"

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
FEET		E	0200		
00	0.0	14.80	38.64	33.50	11.50
01	3.28	14.80	38.64	33.60	11.50
02	6.56	14.70	38.46	33.60	11.50
03	9.84	14.50	38.28	33.70	10.50
04	13.12	14.60	38.28	33.70	10.20
05	16.40	14.60	38.28	33.70	10.20
06	19.68	14.60	38.28	33.70	10.20
07	22.96	14.50	38.10	33.70	10.10
08	26.24	14.50	38.10	33.70	10.00
09	29.52	14.50	38.10	33.70	9.90
10	32.80	14.50	38.10	33.70	9.80
11	36.08	14.40	37.92	33.70	9.70
12	39.36	14.40	37.92	33.70	9.70
					8.18

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1974

STATION: 89 1800 YDS SSE NAVY MOLE LIGHT #2"

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
FEET		E	0200		
00	0.0	19.50	37.10	33.40	8.80
01	3.28	19.40	36.92	33.40	9.00
02	6.56	19.40	36.92	33.40	8.40
03	9.84	19.20	36.56	33.50	7.70
04	13.12	19.20	36.56	33.40	7.60
05	16.40	19.20	36.56	33.50	7.60
06	19.68	18.80	36.84	33.60	8.20
07	22.96	18.40	35.12	34.20	5.90
08	26.24	17.60	33.68	33.80	4.50
09	29.52	17.40	33.32	33.80	4.80
10	32.80	17.10	32.76	33.70	4.40
11	36.08	16.80	32.24	33.70	2.50
					-1.00

DATE: DECEMBER 1974

STATION: 89 1800 YDS SSE NAVY MOLE LIGHT #2"

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
FEET		E	0200		
00	0.0	14.40	37.92	32.80	9.70
01	3.28	14.40	37.92	33.00	10.20
02	6.56	14.40	37.92	33.00	10.00
03	9.84	14.30	37.74	33.10	9.10
04	13.12	14.40	37.92	33.20	8.50
05	16.40	14.30	37.74	33.20	8.20
06	19.68	14.40	37.92	33.00	7.80
07	22.96	14.40	37.92	33.30	7.70
08	26.24	14.50	38.10	33.40	7.80
09	29.52	14.50	38.10	33.40	7.50
10	32.80	14.50	38.10	33.40	7.50
11	36.08	14.50	38.10	33.40	7.40
12	39.36	14.50	38.10	33.50	7.20
					8.18

MISSING DATA VALUE IS -1.0

DATE: OCTOBER 1974

STATION: 89 1800 YDS SSE NAVY MOLE LIGHT #2"

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
FEET		E	0200		
00	0.0	16.00	50.80	33.40	5.80
01	3.28	15.20	59.36	33.70	9.10
02	6.56	15.20	59.36	33.60	8.50
03	9.84	15.10	59.18	33.50	8.20
04	13.12	14.80	58.64	33.50	7.30
05	16.40	14.80	58.64	33.50	7.20
06	19.68	14.70	58.64	33.50	7.00
07	22.96	14.60	58.28	33.40	6.80
08	26.24	14.20	57.56	33.30	6.40
09	29.52	14.10	57.38	33.40	6.30
10	32.80	14.10	57.38	33.40	6.10
11	36.08	14.10	57.38	33.40	6.00
12	39.36	14.10	57.38	33.30	6.00
13	42.64	13.90	57.02	33.50	5.60
14	45.92	13.90	57.02	33.40	5.40
					-1.00

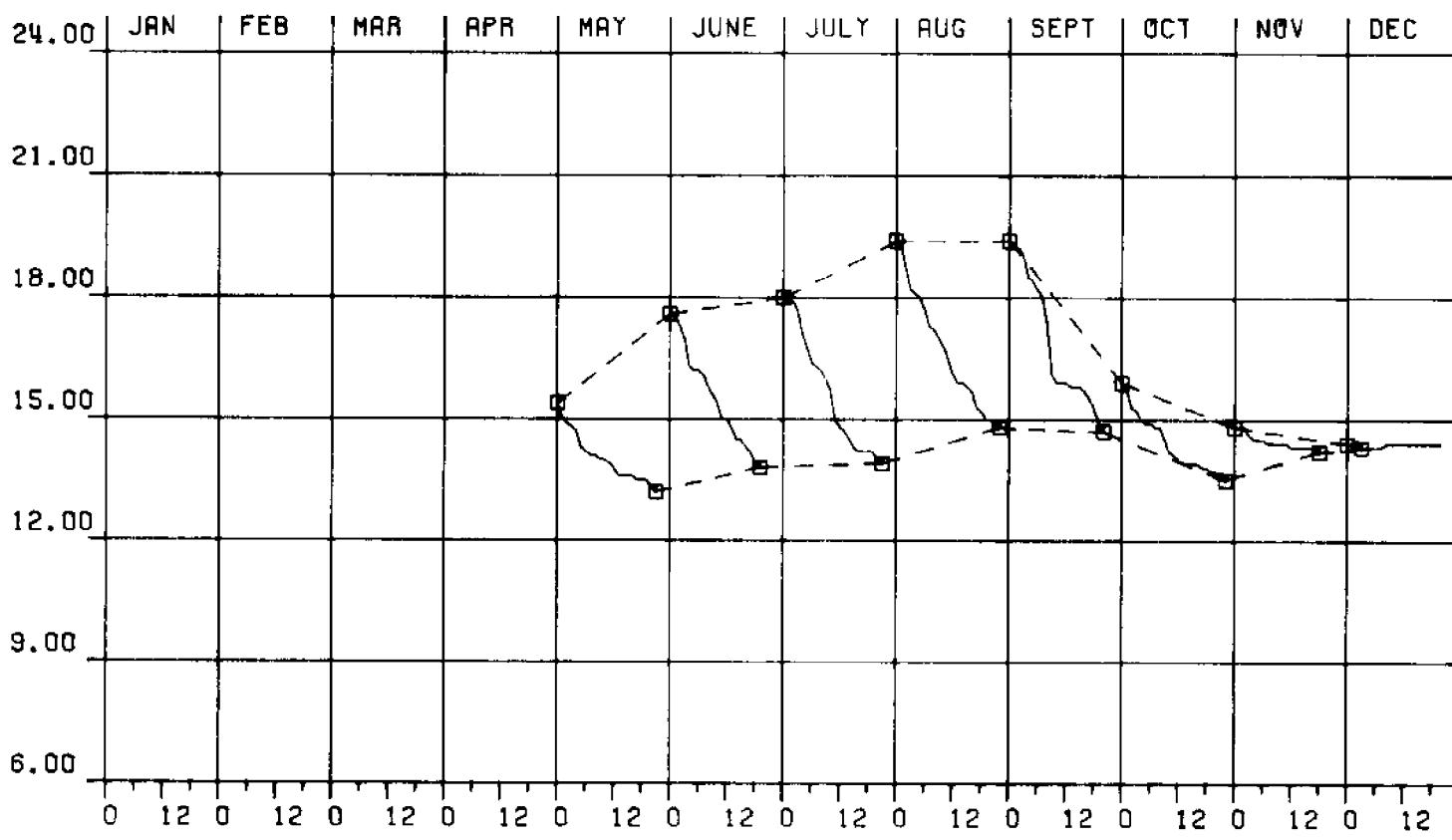
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B10 1850 YDS SSE NAVY MOLE LIGHT "5"

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

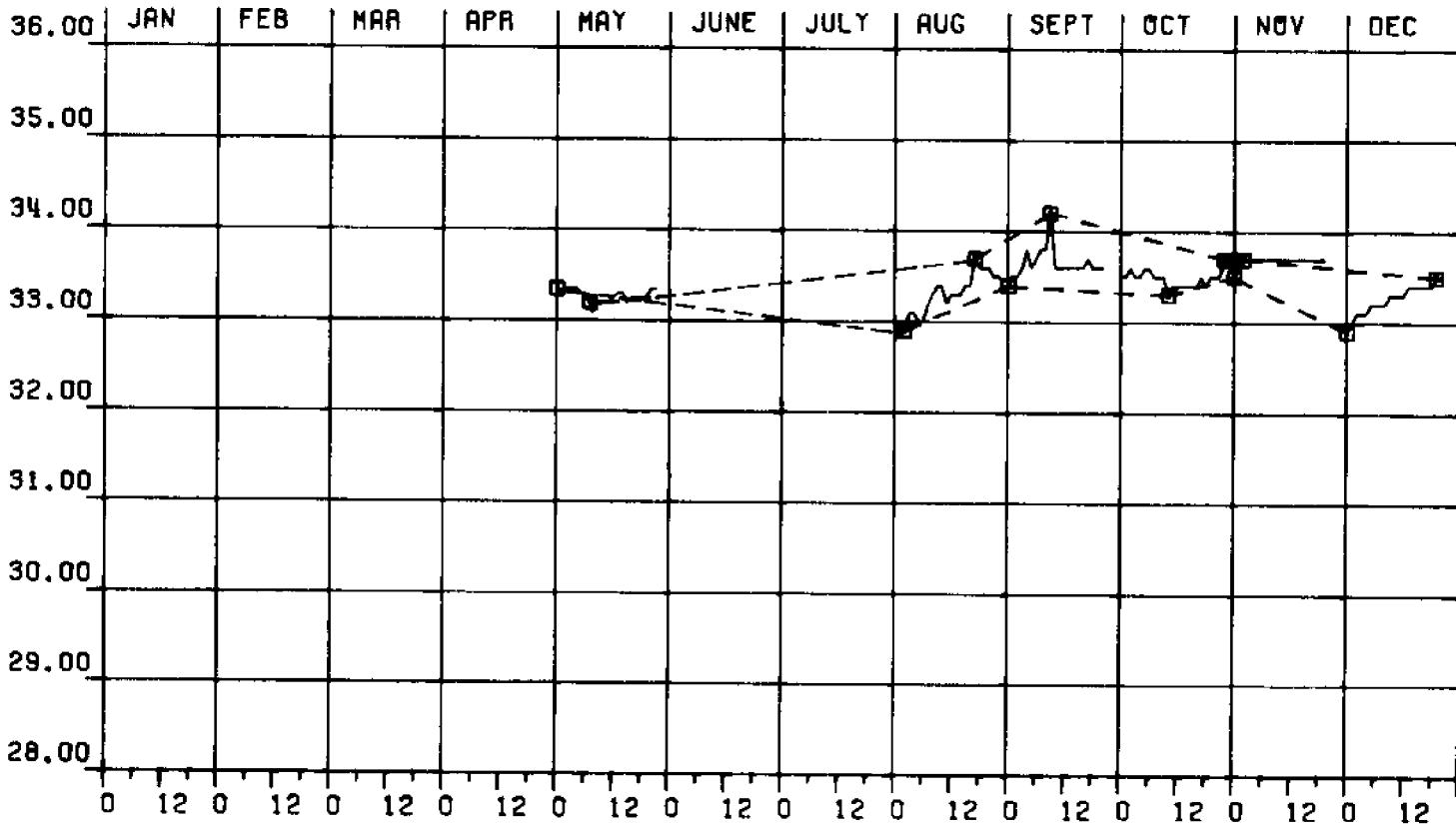


B10 1850 YDS SSE NAVY MOLE LIGHT "5"

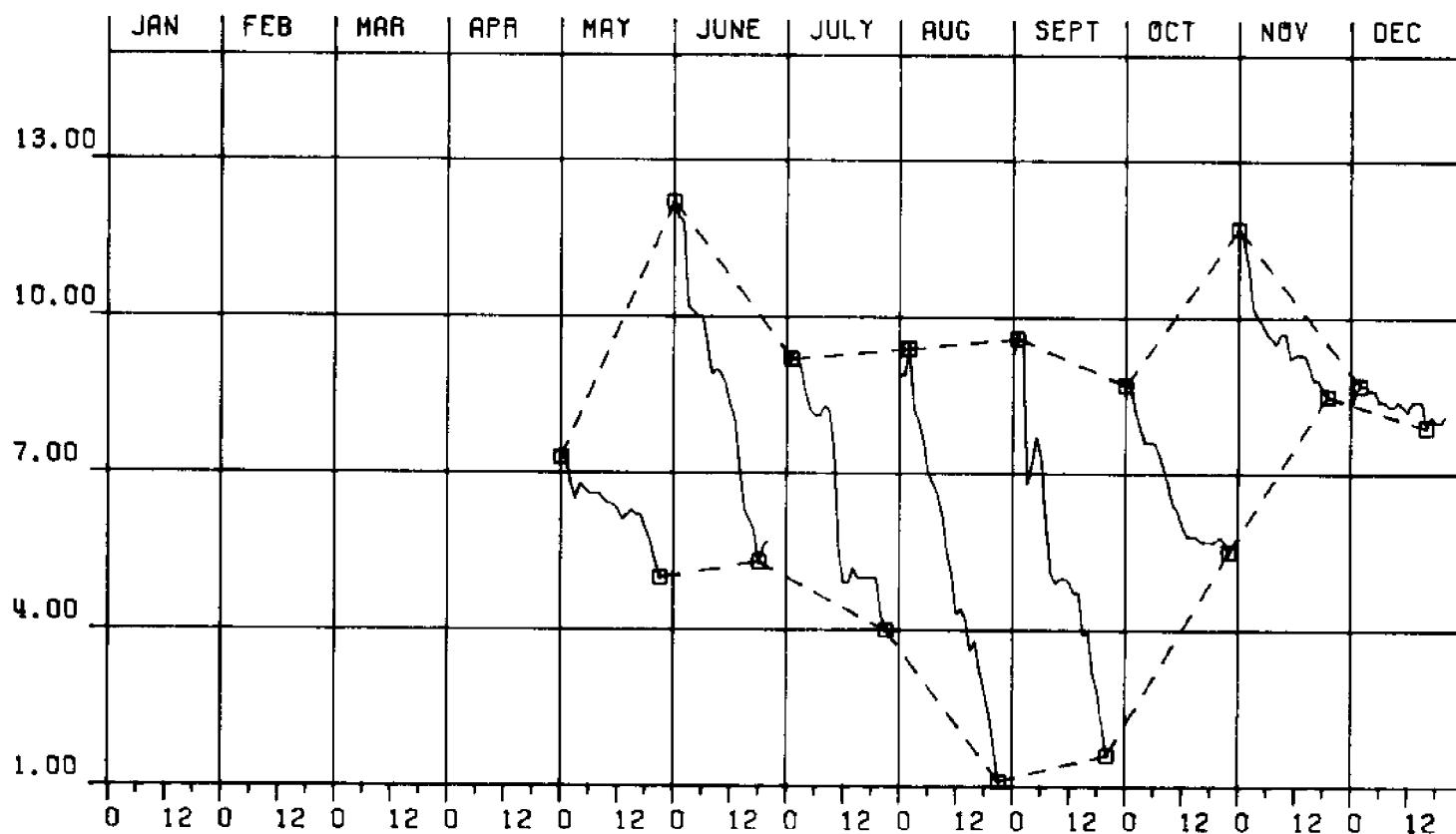
DATE: 1974

EACH SUBGRAPH BY MONTH

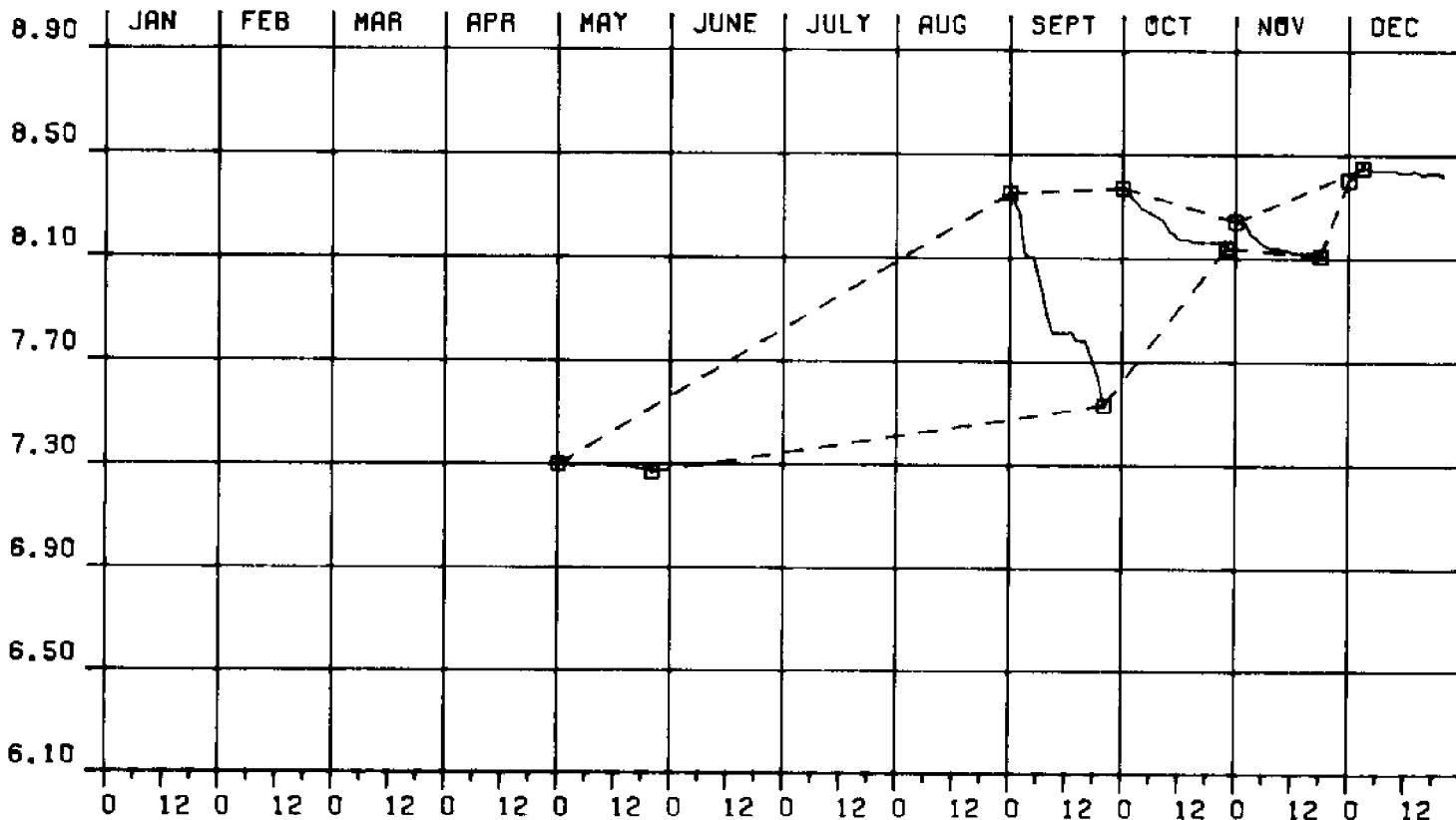
DATA: DEPTH METERS VS. SALINITY PPT



B10 1850 TDS SSE NAVY MOLE LIGHT "5"
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



B10 1850 TDS SSE NAVY MOLE LIGHT "5"
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MAY 1974

STATION: B10 1850 VOS SSE NAVY MOLE LIGHT "S"

DEPTH METERS	DEPTH FEET	TEMPERATURE		SALINITY ‰	D.O.R. PPM	PH	TURBIDITY NTU
		C	F				
00	0.0	15.40	59.72	33.35	7.30	7.30	69.50
01	3.25	15.00	59.00	33.25	7.30	7.30	69.00
02	6.56	14.90	58.82	33.35	6.80	7.30	63.00
03	9.84	14.80	58.64	33.35	6.50	7.29	79.00
04	13.12	14.70	58.46	33.35	6.80	7.30	65.50
05	16.40	14.30	57.74	33.30	6.70	7.30	66.50
06	19.65	14.20	57.56	33.25	6.60	7.30	65.50
07	22.96	14.10	57.38	33.20	6.60	7.30	65.00
08	26.24	14.10	57.18	33.20	6.60	7.30	60.50
09	29.52	14.00	57.20	33.20	6.50	7.30	83.00
10	32.80	14.00	57.20	33.20	6.40	7.30	63.00
11	36.08	13.90	57.02	33.20	6.40	7.29	62.00
12	39.36	13.80	56.84	33.25	6.30	7.29	81.50
13	42.64	13.60	56.66	33.30	6.10	7.29	80.00
14	45.92	13.60	55.48	33.30	6.20	7.29	79.00
15	49.20	13.60	56.48	33.20	6.30	7.29	76.50
16	52.48	13.60	56.48	33.25	6.20	7.29	72.00
17	55.76	13.50	56.30	33.25	6.20	7.28	71.50
18	59.04	13.50	56.30	33.25	5.90	7.28	75.00
19	62.32	13.50	56.30	33.25	5.70	7.28	75.50
20	65.60	13.50	55.94	33.35	5.30	7.27	69.50
21	68.88	13.20	55.76	33.35	5.00	7.27	42.50

DATE: JUNE 1974

STATION: 810 1850 YDS SSE NAVY MOLE LIGHT #54

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O.2		pH MILLION CONC.	TURBIDITY
			F.E.E.I.	PPM		
00	0.0	17.60	63.68	31.20	12.20	-1.00
01	3.28	17.50	63.50	31.30	11.90	-1.00
02	6.56	17.30	63.14	31.30	11.80	-1.00
03	9.84	17.00	62.68	31.40	10.20	-1.00
04	13.12	16.30	61.34	31.50	10.10	-1.00
05	16.40	16.20	61.16	31.50	10.00	-1.00
06	19.68	16.20	61.16	31.50	10.00	-1.00
07	22.96	16.10	60.98	31.50	9.50	-1.00
08	26.24	15.80	60.44	31.60	8.90	-1.00
09	29.52	15.60	60.08	31.50	9.00	-1.00
10	32.80	15.40	59.72	31.60	8.90	-1.00
11	36.08	15.00	59.00	31.70	8.70	-1.00
12	39.36	15.00	58.00	31.50	8.30	-1.00
13	42.64	14.80	58.64	31.60	8.00	-1.00
14	45.92	14.50	58.10	31.50	7.10	-1.00
15	49.20	14.50	58.10	31.60	6.30	-1.00
16	52.48	14.30	57.74	32.00	6.10	-1.00
17	55.76	14.20	57.56	31.90	5.90	-1.00
18	59.04	13.90	57.02	31.70	5.30	-1.00
19	62.32	13.80	56.84	31.70	5.60	-1.00
20	65.60	13.80	55.84	31.60	5.70	-1.00

* Possible probe malfunction

MISSING DATA VALUE IS -160

DATE: 118 x 1974

STATION: B10 1850 YDS SSE NAVY MOLE LIGHT #5

DEPTH METERS	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D-D2		PH H.ION CONC	TURBIDITY %
				PPM	PPM		
00	04.0	39.40	54.40	+1.00	9.10	+1.00	73.00
01	34.28	17.90	54.22	-1.00	9.20	-1.00	73.00
02	66.56	17.40	54.22	-1.00	9.20	-1.00	72.50
03	96.84	17.470	53.86	-1.00	9.00	-1.00	72.00
04	134.12	17.10	52.78	-1.00	8.50	-1.00	72.50
05	164.40	16.80	52.24	-1.00	8.20	-1.00	76.50
06	194.68	16.40	51.52	-1.00	8.10	-1.00	77.00
07	224.96	16.30	51.34	-1.00	8.10	-1.00	77.50
08	264.24	16.20	51.16	+1.00	8.30	-1.00	78.00
09	294.52	16.00	50.80	-1.00	8.20	-1.00	79.50
10	324.80	15.70	50.26	-1.00	7.50	-1.00	79.50
11	364.08	15.00	50.00	-1.00	5.50	-1.00	61.00
12	394.36	14.80	50.64	-1.00	4.90	-1.00	61.00
13	424.64	14.70	50.46	-1.00	4.90	-1.00	61.00
14	454.92	14.50	50.10	-1.00	5.20	-1.00	62.50
15	484.20	14.30	50.74	+1.00	5.00	-1.00	62.00
16	524.48	14.20	50.56	-1.00	5.00	-1.00	65.00
17	554.76	14.20	50.56	-1.00	5.00	-1.00	64.50
18	594.04	14.20	50.56	+1.00	5.00	-1.00	61.00
19	624.32	14.20	50.56	-1.00	5.00	-1.00	61.00
20	654.60	14.00	50.20	-1.00	4.30	-1.00	61.00
21	684.88	13.90	50.02	-1.00	4.20	-1.00	61.00

DATE: AUGUST 19

STATION E BIS 1050 XRS SSE NAVY NO E LIGHT NM

DEPTH METERS	DEPTH FEEET	TEMPERATURE		SALINITY ‰	O2-DO PPM	PH	ALKALINITY MMOL CONC.	TURBIDITY NTU
		C	F					
00	0+0	19+40	66+92	33+00	8+90	+1+00		84+00
01	1+25	19+30	66+74	33+00	8+90	+1+00		83+50
02	2+56	18+70	65+66	32+90	9+40	+1+00		52+00
03	3+84	18+20	64+70	33+10	9+20	+1+00		77+50
04	13+12	18+10	64+58	33+10	8+00	+1+00		78+00
05	16+40	18+00	64+40	33+00	7+60	+1+00		77+50
06	19+68	17+70	63+86	33+00	7+00	+1+00		74+00
07	22+96	17+30	63+14	33+20	6+80	+1+00		74+50
08	26+24	17+20	62+96	33+30	6+60	+1+00		77+50
09	29+52	17+00	62+60	33+40	6+20	+1+00		78+00
10	32+80	16+80	62+24	33+40	5+50	+1+00		74+50
11	36+04	16+50	61+70	33+20	5+10	+1+00		67+00
12	39+32	16+10	60+98	33+30	4+30	+1+00		67+50
13	42+64	15+90	60+52	33+30	4+40	+1+00		63+50
14	45+92	15+90	60+62	33+30	4+20	+1+00		63+00
15	49+20	15+80	60+44	33+40	3+60	+1+00		68+00
16	52+48	15+70	60+26	33+40	3+80	+1+00		64+00
17	55+76	15+30	59+54	33+70	3+20	+1+00		71+00
18	59+04	15+20	59+36	33+60	2+80	+1+00		71+50
19	62+32	15+00	59+00	33+60	2+40	+1+00		67+00
20	65+60	15+00	58+00	33+50	1+80	+1+00		57+50
21	68+84	14+90	58+82	33+50	1+10	+1+00		39+00
22	72+16	14+80	58+64	33+50	0+50	+1+00		-1+00

DATE: SEPTEMBER 1974

STATION: 810 1650 YDS SSE NAVY MOLE LIGHT PSW

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	O ₂ DO PPM	PH	TURBIDITY %		
FEET	F		PPM	H.I.ON CONC	%		
00	0.0	19.40	66.92	33.40	9.30	8.35	65.00
01	3.28	19.30	66.74	33.50	9.60	8.31	60.00
02	6.56	19.20	66.56	33.50	9.60	8.27	78.00
03	9.84	19.00	66.20	33.60	6.80	8.12	52.50
04	13.12	18.50	65.30	33.80	7.20	8.10	62.00
05	16.40	18.40	65.12	33.60	7.70	8.11	62.00
06	19.68	18.20	64.76	33.70	7.30	8.03	63.00
07	22.96	18.00	64.40	33.60	6.10	7.96	62.50
08	26.24	17.40	63.32	33.80	5.10	7.87	52.00
09	29.52	16.10	60.98	34.20	4.90	7.81	51.00
10	32.80	15.90	60.62	33.60	5.00	7.81	70.50
11	36.08	15.90	60.62	33.60	5.00	7.81	70.00
12	39.36	15.90	60.62	33.60	4.90	7.81	69.50
13	42.64	15.80	60.44	33.60	4.70	7.82	70.00
14	45.92	15.80	60.44	33.60	4.70	7.78	74.50
15	49.20	15.80	60.44	33.60	3.90	7.78	78.50
16	52.48	15.70	60.26	33.60	4.00	7.78	77.00
17	55.76	15.50	59.99	33.70	3.20	7.73	75.50
18	59.04	15.30	59.54	33.60	2.80	7.68	74.50
19	62.32	14.90	58.82	33.60	2.20	7.62	62.00
20	65.60	14.70	58.46	33.60	1.60	7.53	48.00

DATE: OCTOBER 1974

STATION: 810 1650 YDS SSE NAVY MOLE LIGHT PSW

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	O ₂ DO PPM	PH	TURBIDITY %		
FEET	F		PPM	H.I.ON CONC	%		
00	0.0	15.90	60.62	33.50	8.70	8.37	76.00
01	3.28	15.70	60.26	33.50	8.70	8.36	77.00
02	6.56	15.30	59.54	33.60	8.20	8.33	75.50
03	9.84	15.20	59.36	33.50	7.90	8.31	76.50
04	13.12	15.00	59.00	33.50	7.60	8.29	79.50
05	16.40	14.90	58.82	33.60	7.60	8.28	79.50
06	19.68	14.90	58.82	33.60	7.60	8.27	60.00
07	22.96	14.80	58.54	33.50	7.40	8.26	80.50
08	26.24	14.80	58.54	33.50	7.10	8.25	81.00
09	29.52	14.50	58.10	33.50	6.80	8.23	77.00
10	32.80	14.20	57.56	33.30	6.40	8.20	75.50
11	36.08	14.10	57.38	33.40	6.30	8.19	72.00
12	39.36	14.00	57.20	33.40	6.00	8.17	67.00
13	42.64	13.90	57.02	33.40	5.80	8.17	65.00
14	45.92	13.90	57.02	33.40	5.80	8.17	63.50
15	49.20	13.90	57.02	33.40	5.80	8.16	63.00
16	52.48	13.90	57.02	33.40	5.70	8.16	62.50
17	55.76	13.80	55.84	33.50	5.70	8.16	62.00
18	59.04	13.80	55.84	33.40	5.70	8.16	61.50
19	62.32	13.70	56.66	33.50	5.70	8.16	61.00
20	65.60	13.70	56.66	33.50	5.60	8.16	61.00
21	68.88	13.70	56.66	33.50	5.70	8.16	48.00
22	72.16	13.50	56.30	33.70	5.50	8.14	49.00

MISSING DATA VALUE IS -1.0

DATE: NOVEMBER 1974

STATION: 810 1650 YDS SSE NAVY MOLE LIGHT PSW

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	O ₂ DO PPM	PH	TURBIDITY %		
FEET	F		PPM	H.I.ON CONC	%		
00	0.0	14.80	58.64	33.50	11.70	8.24	73.00
01	3.28	14.80	58.64	33.60	11.50	8.24	71.00
02	6.56	14.80	58.64	33.70	11.00	8.23	69.00
03	9.84	14.60	58.28	33.70	10.20	8.19	69.00
04	13.12	14.50	58.10	33.70	10.00	8.18	68.50
05	16.40	14.50	58.10	33.70	9.90	8.16	69.00
06	19.68	14.50	58.10	33.70	9.70	8.15	69.00
07	22.96	14.40	57.92	33.70	9.60	8.14	68.50
08	26.24	14.40	57.92	33.70	9.50	8.14	69.00
09	29.52	14.40	57.92	33.70	9.70	8.14	68.50
10	32.80	14.40	57.92	33.70	9.70	8.13	64.50
11	36.08	14.40	57.92	33.70	9.20	8.13	59.50
12	39.36	14.30	57.74	33.70	9.30	8.12	59.50
13	42.64	14.30	57.74	33.70	9.30	8.12	58.50
14	45.92	14.30	57.74	33.70	9.30	8.12	56.00
15	49.20	14.30	57.74	33.70	9.10	8.12	54.50
16	52.48	14.30	57.74	33.70	9.00	8.12	51.50
17	55.76	14.30	57.74	33.70	8.80	8.12	51.00
18	59.04	14.20	57.56	33.70	8.60	8.11	50.00
19	62.32	14.20	57.56	33.70	8.50	8.11	48.00

DATE: DECEMBER 1974

STATION: 810 1650 YDS SSE NAVY MOLE LIGHT PSW

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	O ₂ DO PPM	PH	TURBIDITY %		
FEET	F		PPM	H.I.ON CONC	%		
00	0.0	14.40	57.92	32.90	8.30	8.40	82.00
01	3.28	14.40	57.92	33.00	8.30	8.41	82.50
02	6.56	14.40	57.92	33.10	8.70	8.44	83.50
03	9.84	14.30	57.74	33.10	8.70	8.45	85.00
04	13.12	14.30	57.74	33.10	8.60	8.45	86.50
05	16.40	14.30	57.74	33.20	8.60	8.44	86.50
06	19.68	14.30	57.74	33.20	8.40	8.44	86.00
07	22.96	14.30	57.74	33.20	8.40	8.44	85.50
08	26.24	14.40	57.92	33.20	8.30	8.44	85.00
09	29.52	14.40	57.92	33.30	8.30	8.44	83.00
10	32.80	14.40	57.92	33.30	8.40	8.44	83.00
11	36.08	14.40	57.92	33.30	8.40	8.44	82.00
12	39.36	14.40	57.92	33.40	8.40	8.43	82.00
13	42.64	14.40	57.92	33.40	8.40	8.43	83.00
14	45.92	14.40	57.92	33.40	8.40	8.43	83.00
15	49.20	14.40	57.92	33.40	8.40	8.43	83.00
16	52.48	14.40	57.92	33.40	8.40	8.42	76.50
17	55.76	14.40	57.92	33.40	8.40	8.43	75.00
18	59.04	14.40	57.92	33.40	8.40	8.43	72.00
19	62.32	14.40	57.92	33.50	8.40	8.43	69.00
20	65.60	14.40	57.92	33.50	8.40	8.42	-1.00

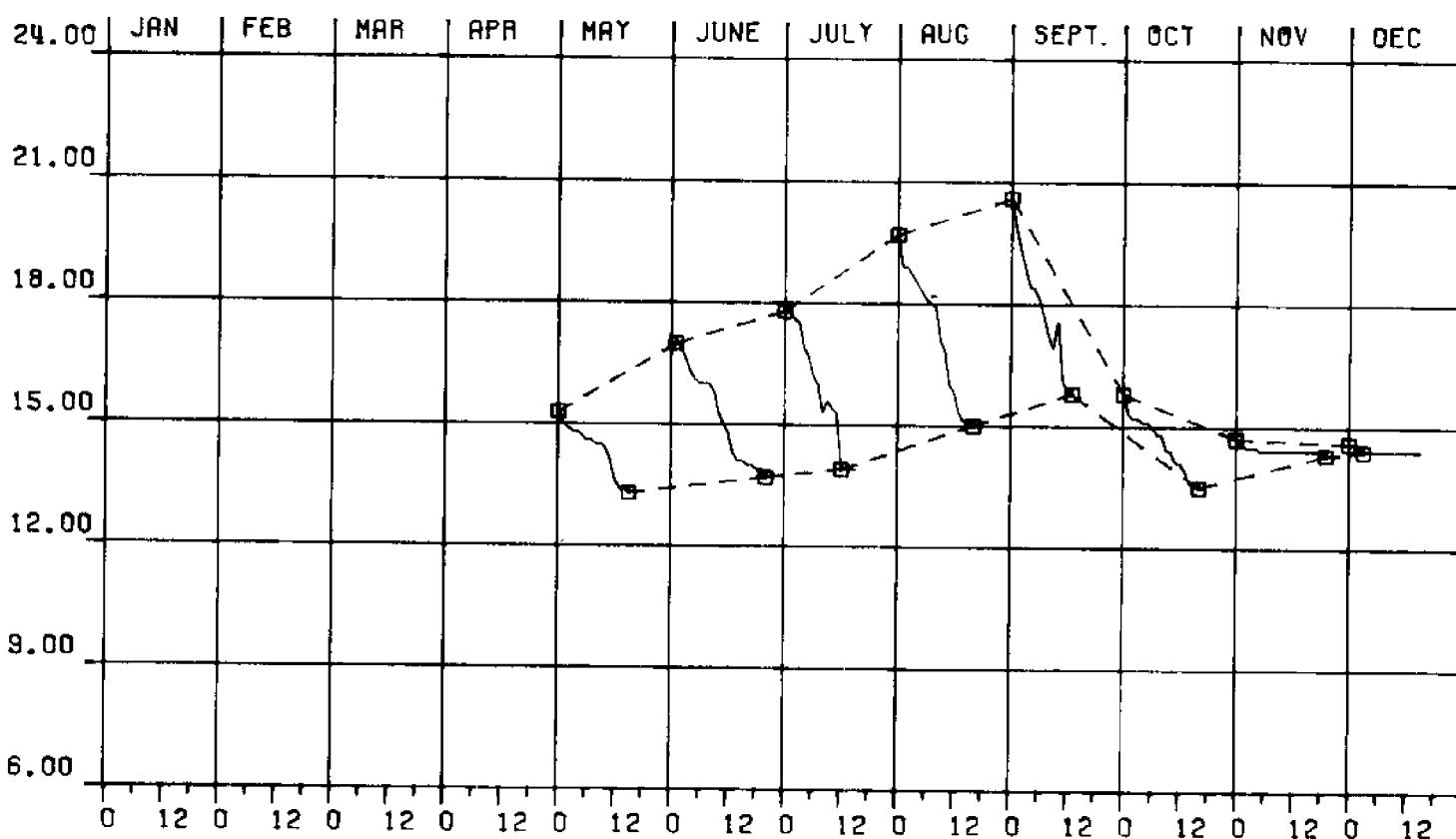
MISSING DATA VALUE IS -1.0

B11 1180 YDS SE PIER J LIGHT "4"

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

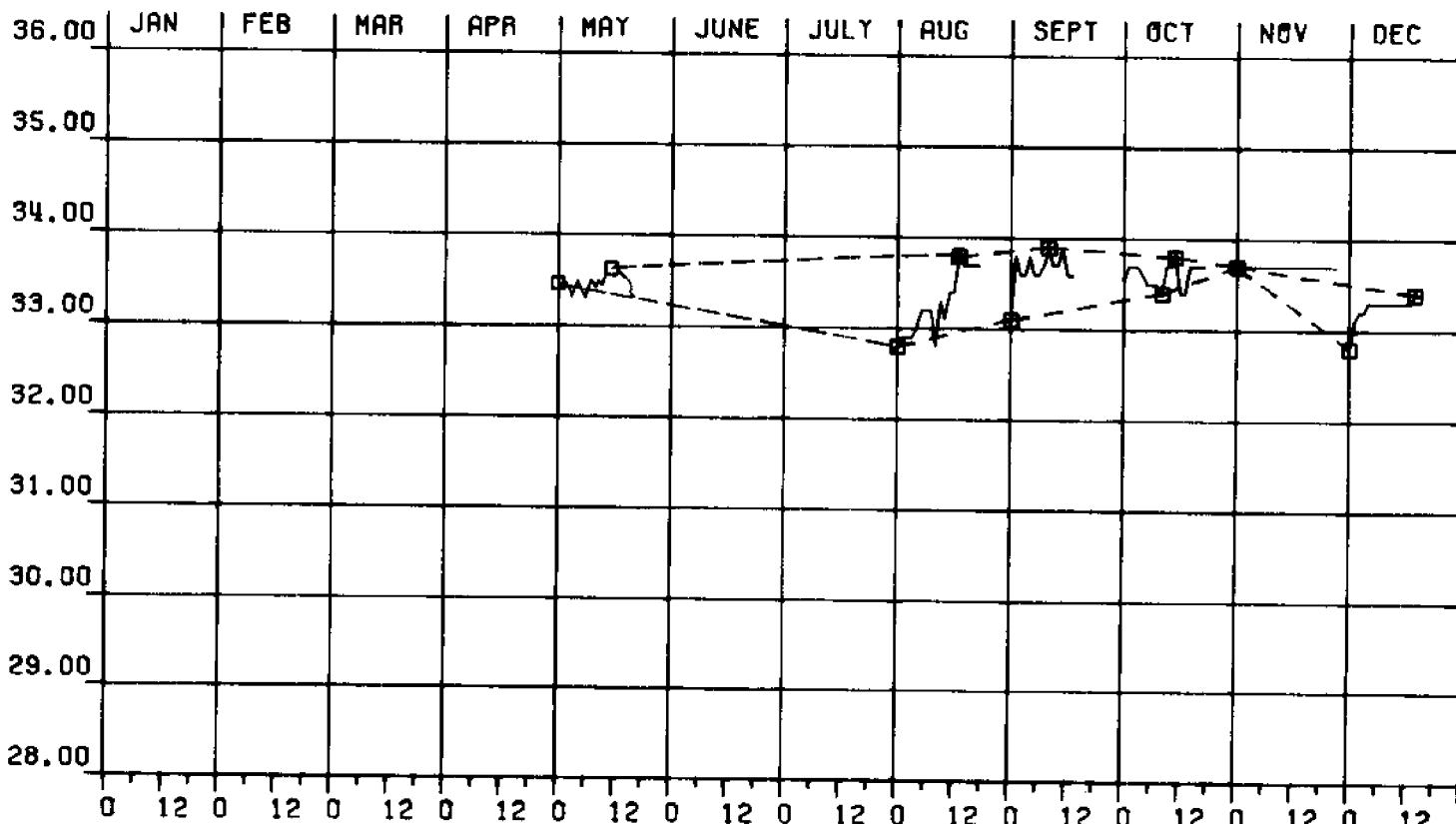


B11 1180 YDS SE PIER J LIGHT "4"

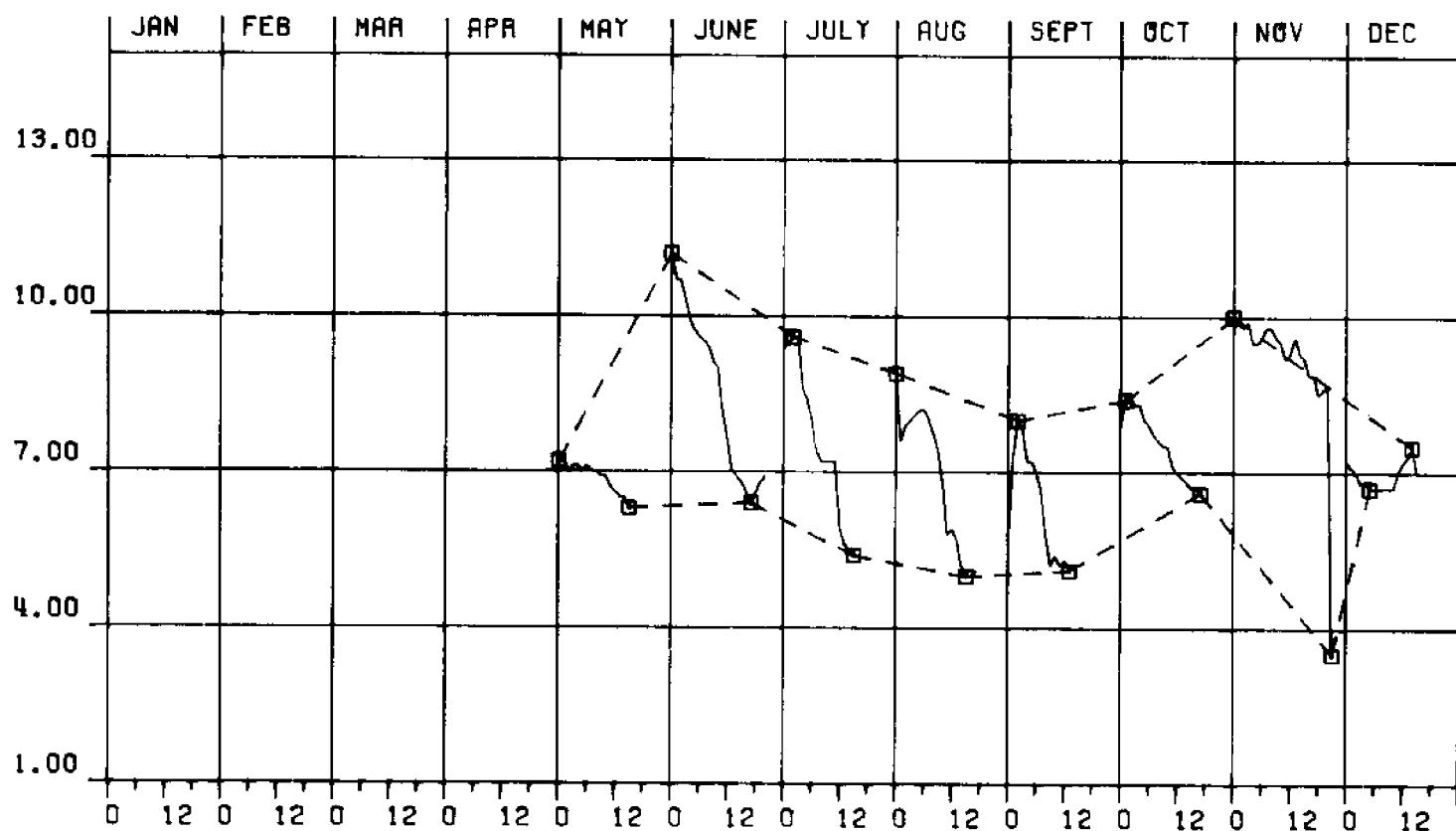
DATE: 1974

EACH SUBGRAPH BY MONTH

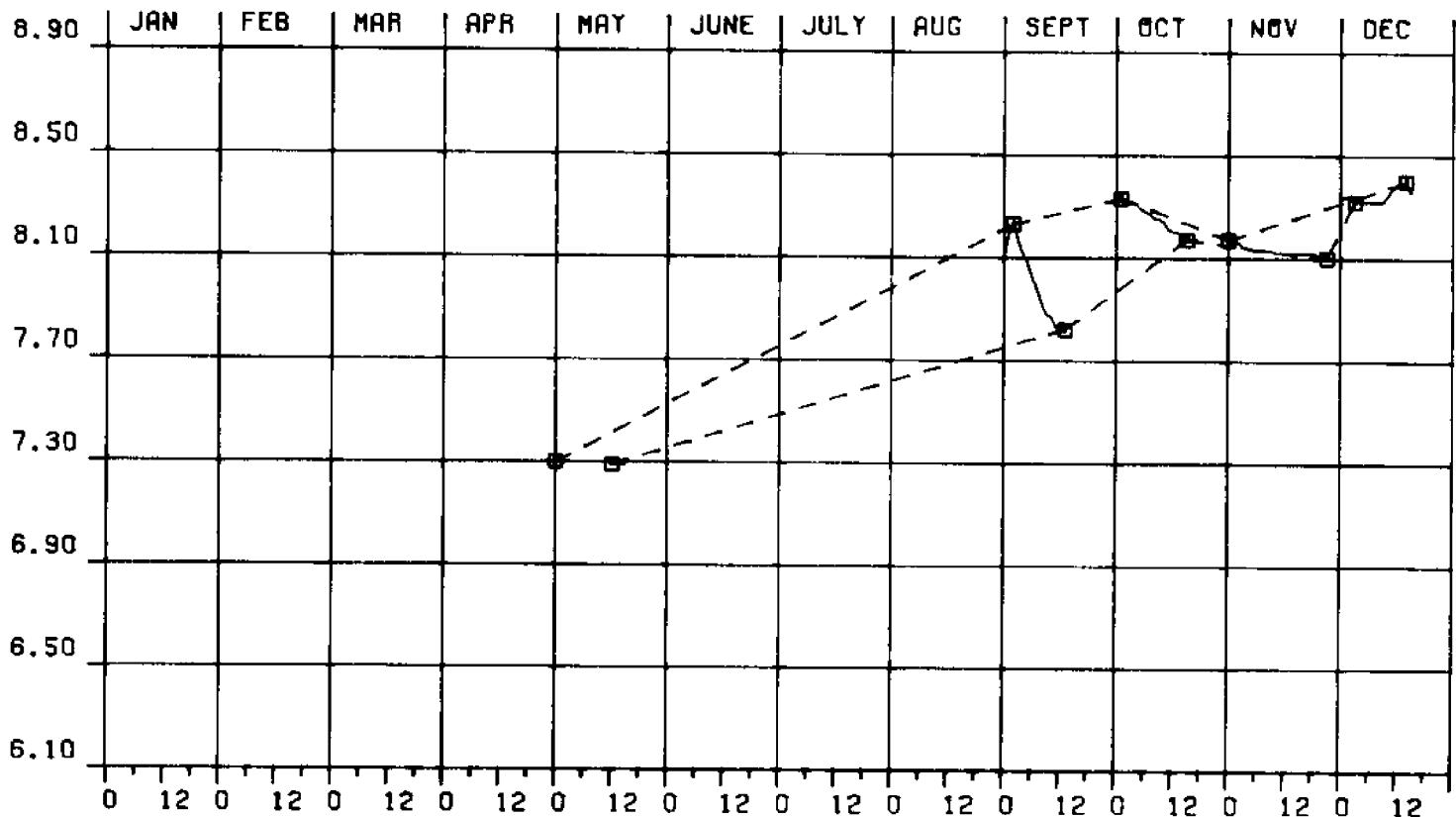
DATA: DEPTH METERS VS. SALINITY PPT



B11 1180 YDS SE PIER J LIGHT "4"
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



B11 1180 YDS SE PIER J LIGHT "4"
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MAY 1974

STATION: 811 1180 YDS SE PIER J LIGHT "4"

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY*	D.O. PPM	PH	TURBIDITY %
00	0.0	15.30	59.54	33.86	7.20	7.30	87.00
01	3.28	15.00	59.00	33.45	7.20	7.30	86.50
02	6.56	14.90	58.82	33.55	7.00	7.30	86.00
03	9.84	14.80	58.64	33.55	7.10	7.30	86.00
04	13.12	14.80	58.64	33.50	7.10	7.30	86.00
05	16.40	14.70	58.46	33.45	7.00	7.30	87.00
06	19.68	14.60	58.28	33.40	7.10	7.30	87.00
07	22.96	14.60	58.28	33.40	7.00	7.30	87.00
08	26.24	14.50	58.10	33.30	7.00	7.30	87.00
09	29.52	14.50	58.10	33.40	6.90	7.30	86.50
10	32.80	14.40	57.92	33.40	6.90	7.30	86.00
11	36.08	14.30	57.38	33.40	6.70	7.30	86.50
12	39.36	13.80	56.48	33.60	6.60	7.29	81.00
13	42.64	13.40	56.12	33.45	6.50	7.29	79.00
14	45.92	13.40	56.12	33.50	6.50	7.29	72.50
15	49.20	13.30	55.94	33.40	6.30	7.29	-1.00

DATE: JULY 1974

STATION: 811 1180 YDS SE PIER J LIGHT "4"

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY	D.O. PPM	PH	TURBIDITY %
00	0.0	17.80	64.04	-1.00	9.40	-1.00	71.00
01	3.28	17.80	64.04	-1.00	9.50	-1.00	71.00
02	6.56	17.60	63.68	-1.00	9.60	-1.00	70.00
03	9.84	17.50	63.50	-1.00	9.60	-1.00	71.00
04	13.12	16.90	62.42	-1.00	8.60	-1.00	75.50
05	16.40	16.70	62.06	-1.00	8.60	-1.00	75.50
06	19.68	16.20	61.16	-1.00	8.00	-1.00	74.50
07	22.96	16.00	60.80	-1.00	7.40	-1.00	71.00
08	26.24	15.30	59.54	-1.00	7.20	-1.00	71.00
09	29.52	15.60	59.08	-1.00	7.20	-1.00	71.50
10	32.80	15.40	59.72	-1.00	7.20	-1.00	71.50
11	36.08	15.30	59.54	-1.00	7.20	-1.00	71.00
12	39.36	15.00	57.02	-1.00	5.90	-1.00	50.50
13	42.64	13.90	57.02	-1.00	5.60	-1.00	38.50
14	45.92	13.90	57.02	-1.00	5.50	-1.00	36.00
15	49.20	13.90	57.02	-1.00	5.40	-1.00	-1.00

DATE: JUNE 1974

STATION: 811 1180 YDS SE PIER J LIGHT "4"

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY*	D.O. PPM	PH	TURBIDITY %
00	0.0	16.90	62.42	31.00	11.80	-1.00	89.00
01	3.28	17.00	62.60	31.00	10.70	-1.00	85.50
02	6.56	16.90	62.42	31.00	10.70	-1.00	85.50
03	9.84	16.60	61.88	31.20	10.30	-1.00	88.00
04	13.12	16.30	61.34	31.30	9.90	-1.00	89.00
05	16.40	16.10	60.98	31.50	9.70	-1.00	89.50
06	19.68	16.00	60.80	31.50	9.60	-1.00	89.50
07	22.96	16.00	60.80	31.50	9.50	-1.00	90.00
08	26.24	15.80	60.50	31.40	9.40	-1.00	88.00
09	29.52	15.80	60.44	31.60	9.10	-1.00	88.00
10	32.80	15.30	59.54	31.50	9.00	-1.00	87.00
11	36.08	15.00	59.00	31.50	8.10	-1.00	85.00
12	39.36	14.80	58.64	31.60	7.60	-1.00	76.00
13	42.64	14.30	57.74	31.90	7.00	-1.00	70.50
14	45.92	14.10	57.38	31.80	6.90	-1.00	76.50
15	49.20	14.10	57.38	31.80	6.80	-1.00	78.00
16	52.48	14.00	57.20	31.80	6.60	-1.00	78.00
17	55.76	14.00	57.20	31.80	6.40	-1.00	69.50
18	59.04	13.90	57.02	31.70	6.50	-1.00	65.50
19	62.32	13.90	57.02	31.60	6.80	-1.00	53.00
20	65.60	13.70	56.66	31.80	6.90	-1.00	39.50

DATE: AUGUST 1974

STATION: 811 1180 YDS SE PIER J LIGHT "4"

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY	D.O. PPM	PH	TURBIDITY %
00	0.0	19.70	67.46	32.60	8.90	-1.00	83.00
01	3.28	19.90	66.02	32.90	7.60	-1.00	71.00
02	6.56	19.70	66.02	32.90	7.90	-1.00	69.50
03	9.84	19.70	65.66	32.90	8.00	-1.00	71.00
04	13.12	19.50	65.30	33.00	8.10	-1.00	73.00
05	16.40	19.30	64.94	33.20	8.20	-1.00	77.00
06	19.68	18.10	64.58	33.20	8.20	-1.00	80.00
07	22.96	18.00	64.40	33.20	8.00	-1.00	81.00
08	26.24	17.90	64.22	32.80	7.70	-1.00	80.50
09	29.52	17.10	62.78	33.30	7.40	-1.00	79.50
10	32.80	16.80	62.24	33.10	6.80	-1.00	78.00
11	36.08	16.00	60.80	33.40	5.80	-1.00	70.50
12	39.36	15.80	60.44	33.40	5.90	-1.00	65.00
13	42.64	15.30	59.54	33.60	5.70	-1.00	55.00
14	45.92	15.10	59.18	33.70	5.20	-1.00	50.00
15	49.20	15.10	59.18	33.70	5.00	-1.00	49.00
16	52.48	15.00	59.00	33.70	5.00	-1.00	49.50
17	55.76	15.00	59.00	33.70	5.10	-1.00	-1.00

MISSING DATA VALUE IS -1.0

MISSING DATA VALUE IS -1.0

* Possible probe malfunction

DATE: SEPTEMBER 1974

STATION: 811 1180 YDS SE PIER J LIGHT #4"

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY NTU
FEET	F			H.ION CONC	
00	0.0	20.60	33.10	8.10	86.50
01	3.28	19.90	33.62	7.30	84.00
02	6.56	19.30	33.74	8.00	85.50
03	9.84	18.90	33.62	7.80	86.50
04	13.12	18.40	33.12	7.20	87.11
05	16.40	18.40	33.12	7.20	89.00
06	19.68	18.10	33.68	7.00	86.00
07	22.96	17.70	33.86	6.60	79.50
08	26.24	17.20	33.96	5.80	71.00
09	29.52	16.90	32.42	5.20	81.00
10	32.80	17.60	63.68	5.40	71.50
11	36.08	16.10	60.98	5.20	85.50
12	39.36	15.90	60.62	5.30	78.50
13	42.64	15.80	60.44	5.10	73.00

DATE: NOVEMBER 1974

STATION: 811 1180 YDS SE PIER J LIGHT #4"

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY NTU
FEET	F			H.ION CONC	
00	0.0	14.70	33.46	33.70	10.00
01	3.28	14.60	33.28	33.70	9.90
02	6.56	14.50	33.10	33.70	9.80
03	9.84	14.50	33.10	33.70	9.90
04	13.12	14.50	33.10	33.70	9.50
05	16.40	14.40	37.92	33.70	9.50
06	19.68	14.40	37.92	33.70	9.60
07	22.96	14.40	37.92	33.70	9.80
08	26.24	14.40	37.92	33.70	9.80
09	29.52	14.40	37.92	33.70	9.60
10	32.80	14.40	37.92	33.70	9.50
11	36.08	14.40	37.92	33.70	9.20
12	39.36	14.40	37.92	33.70	9.30
13	42.64	14.40	37.92	33.70	9.60
14	45.92	14.40	37.92	33.70	9.12
15	49.20	14.40	37.92	33.70	8.12

DATE: OCTOBER 1974

STATION: 811 1180 YDS SE PIER J LIGHT #4"

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY NTU
FEET	F			H.ION CONC	
00	0.0	15.80	59.44	33.50	8.32
01	3.28	15.30	59.54	33.70	8.33
02	6.56	15.20	59.36	33.70	8.40
03	9.84	15.20	59.36	33.70	8.31
04	13.12	15.10	59.18	33.60	8.30
05	16.40	15.10	59.18	33.50	8.29
06	19.68	15.00	59.00	33.50	8.28
07	22.96	14.80	58.64	33.50	8.27
08	26.24	14.80	58.64	33.40	8.25
09	29.52	14.40	57.92	33.70	7.60
10	32.80	14.40	57.92	33.70	7.50
11	36.08	14.10	57.38	33.80	7.10
12	39.36	14.10	57.38	33.40	8.20
13	42.64	13.90	57.02	33.40	8.90
14	45.92	13.60	56.48	33.70	6.60
15	49.20	13.60	56.48	33.70	6.70
16	52.48	13.50	56.30	33.70	6.70
17	55.76	13.50	56.30	33.70	6.60

MISSING DATA VALUE IS -1.0

DATE: DECEMBER 1974

STATION: 811 1180 YDS SE PIER J LIGHT #4"

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY NTU
FEET	F			H.ION CONC	
00	0.0	14.60	58.28	32.60	7.20
01	3.25	14.60	58.28	33.10	7.10
02	6.56	14.50	58.10	33.20	7.00
03	9.84	14.40	57.92	33.20	6.80
04	13.12	14.40	57.92	33.30	6.80
05	16.40	14.40	57.92	33.30	6.70
06	19.68	14.40	57.92	33.30	6.70
07	22.96	14.40	57.92	33.30	6.70
08	26.24	14.40	57.92	33.30	6.70
09	29.52	14.40	57.92	33.30	6.70
10	32.80	14.40	57.92	33.30	6.70
11	36.06	14.40	57.92	33.30	7.00
12	39.36	14.40	57.92	33.30	7.20
13	42.64	14.40	57.92	33.30	7.30
14	45.92	14.40	57.92	33.40	7.50
15	49.20	14.40	57.92	33.40	7.50

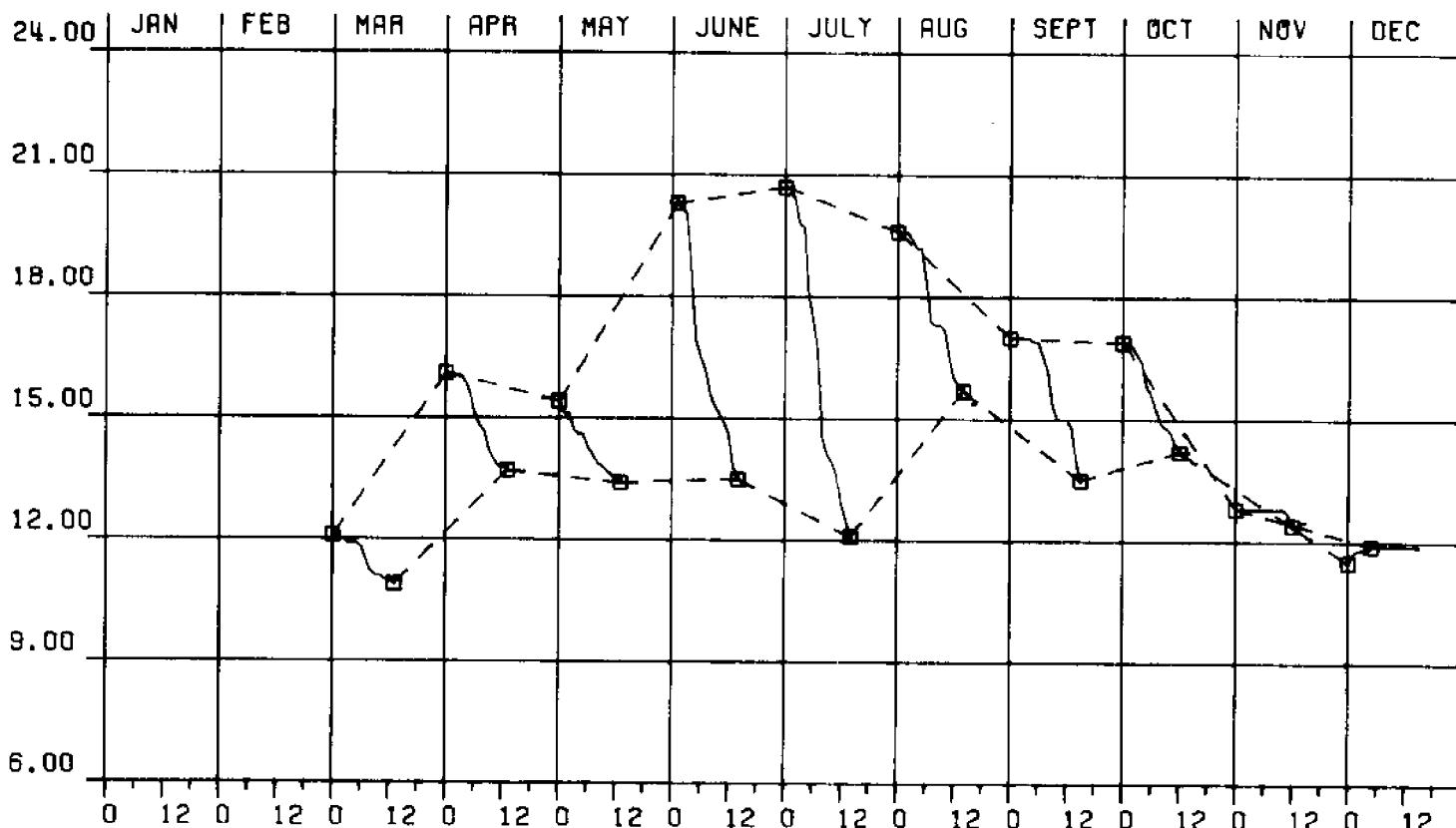
MISSING DATA VALUE IS -1.0

D1 500 YDS SE END OF PIER J

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

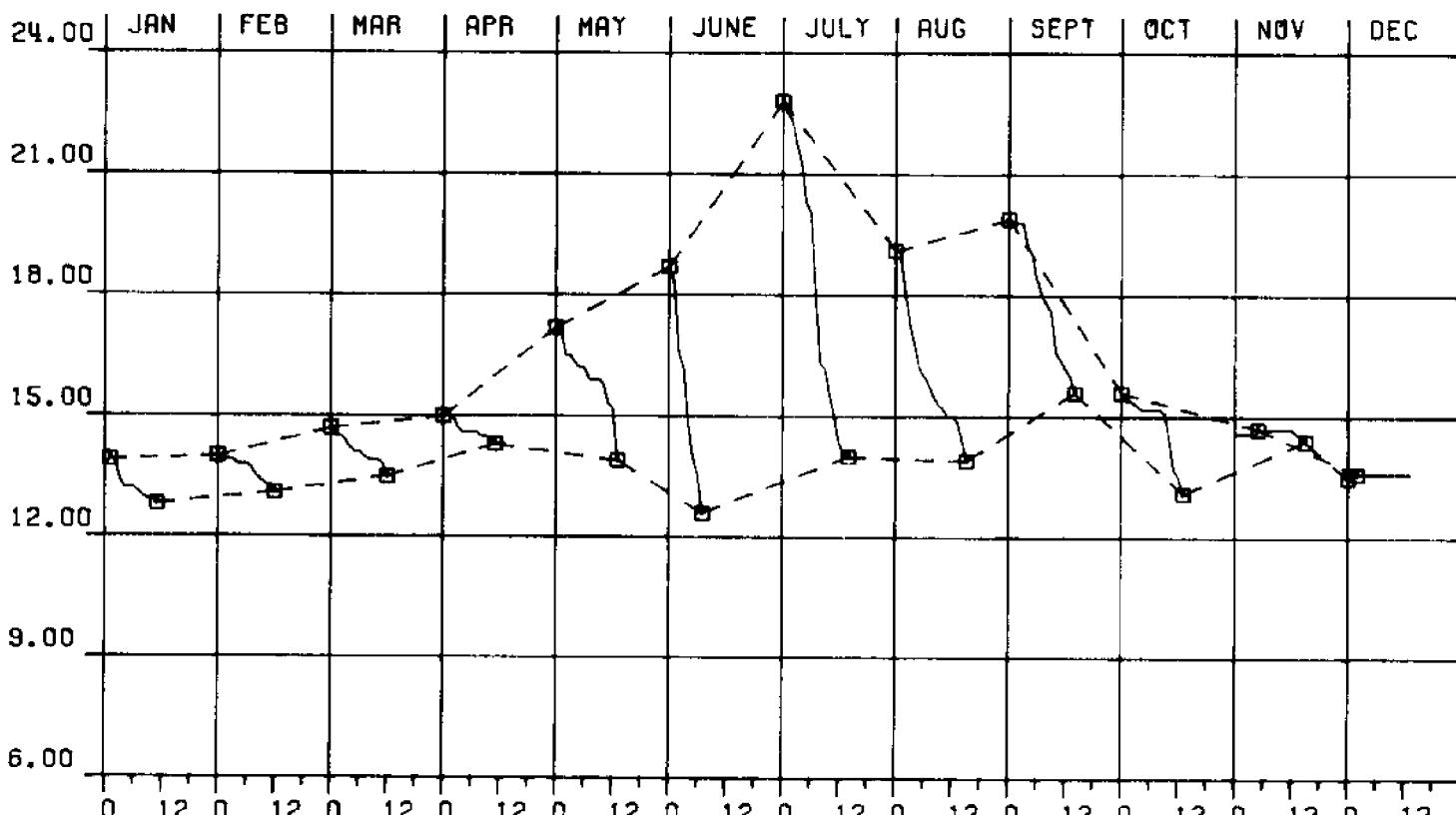


D1 500 YDS SE END OF PIER J

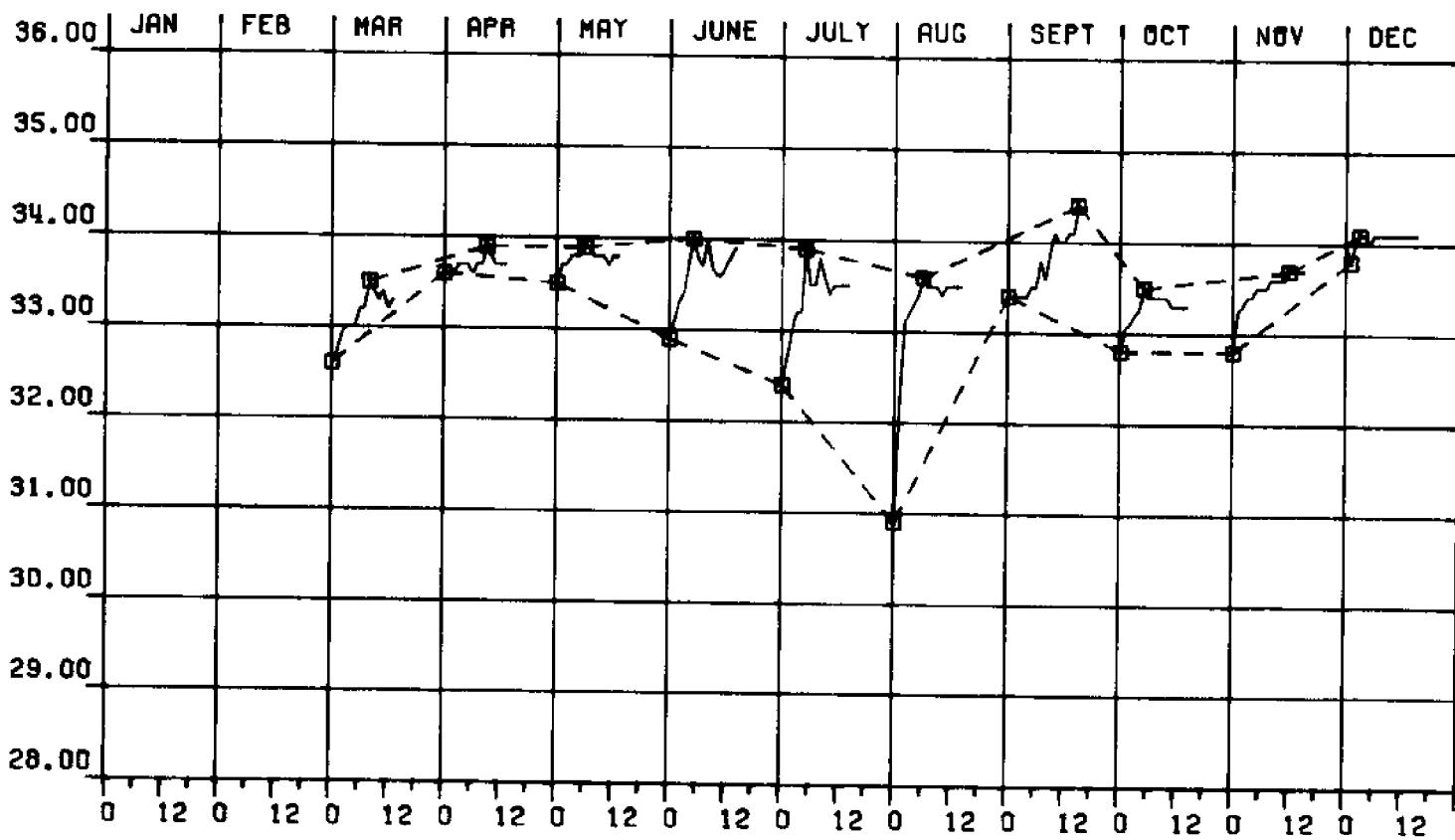
DATE: 1974

EACH SUBGRAPH BY MONTH

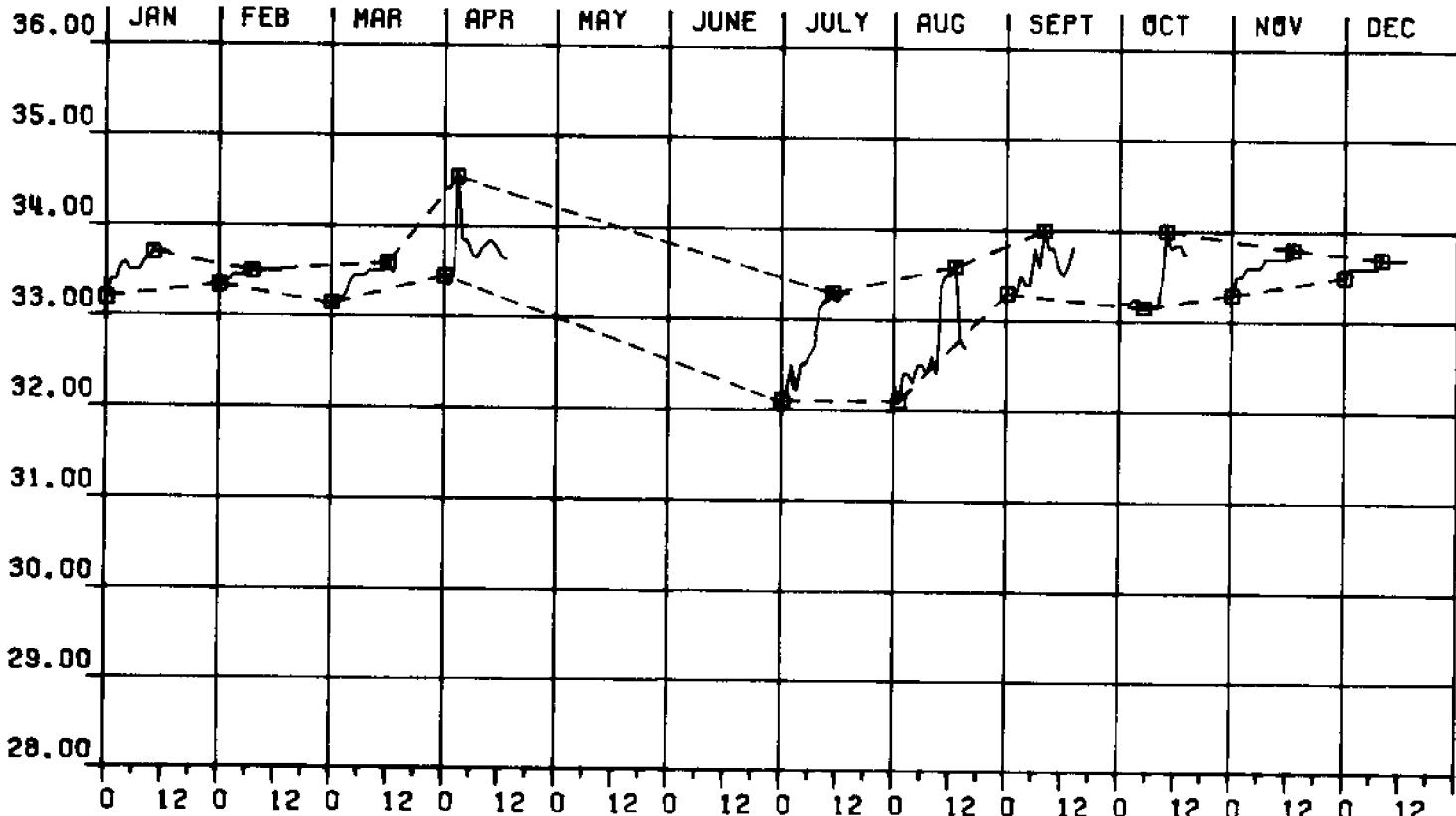
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



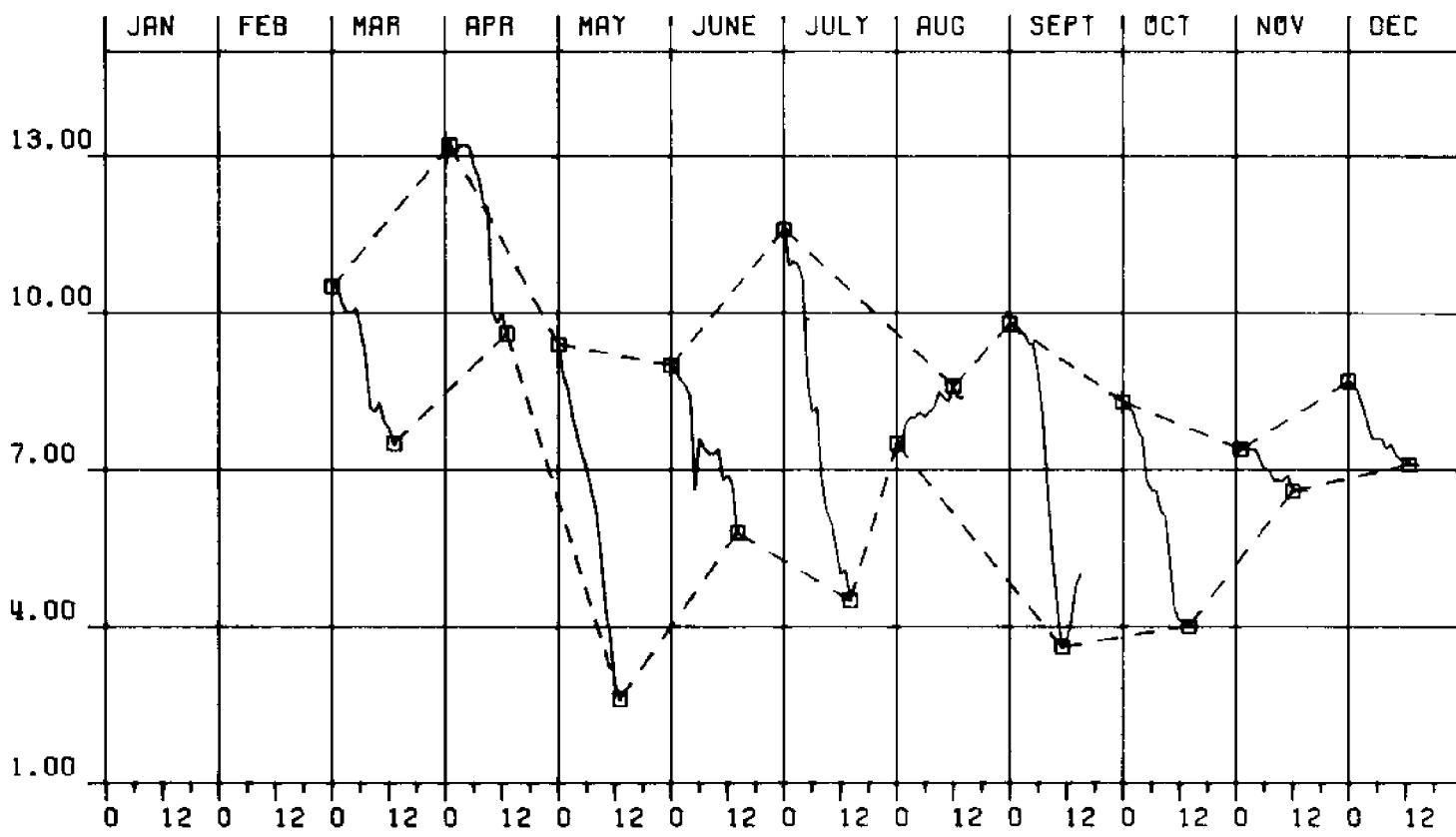
01 500 YDS SE END OF PIER J
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



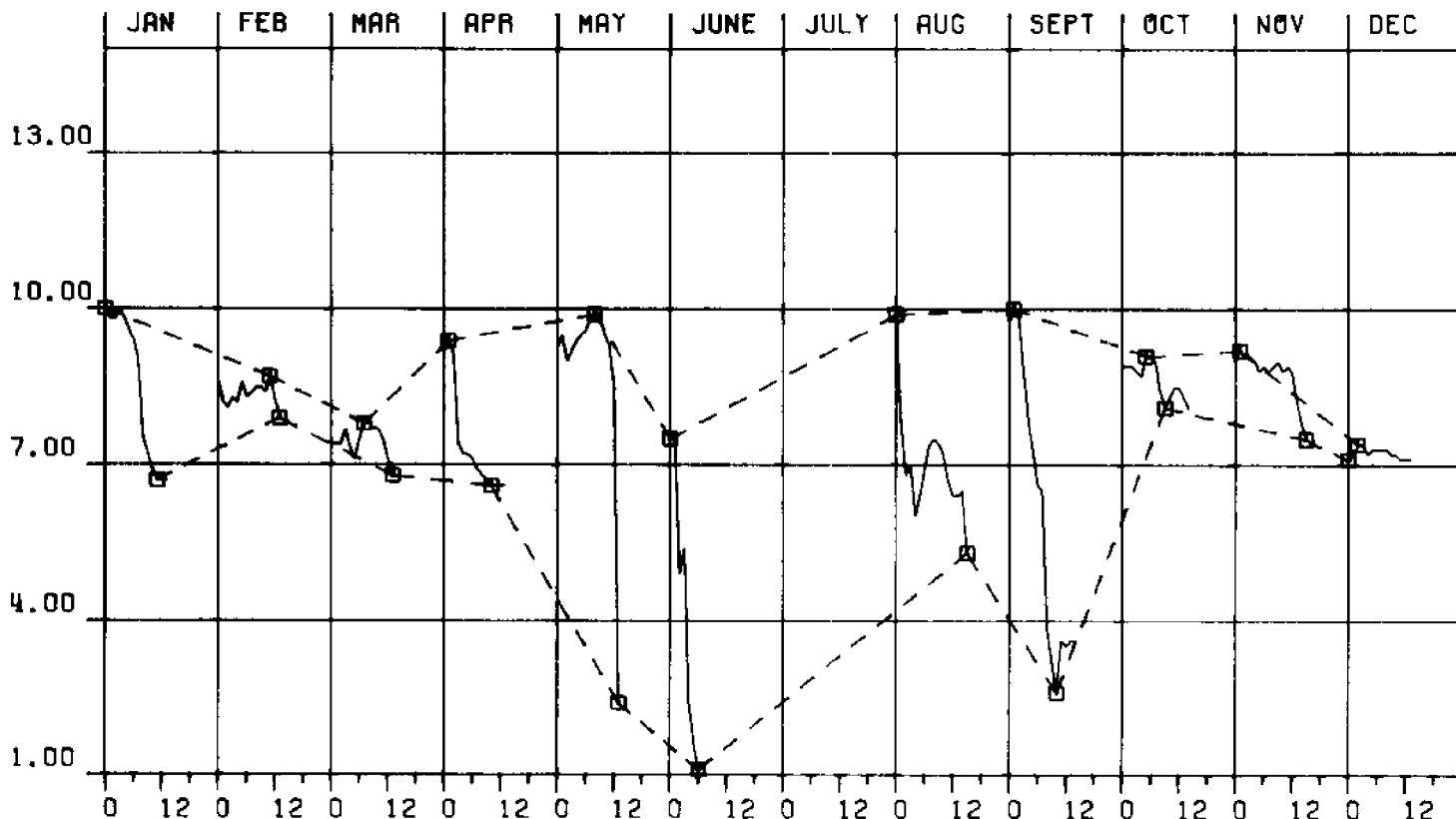
01 500 YDS SE END OF PIER J
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



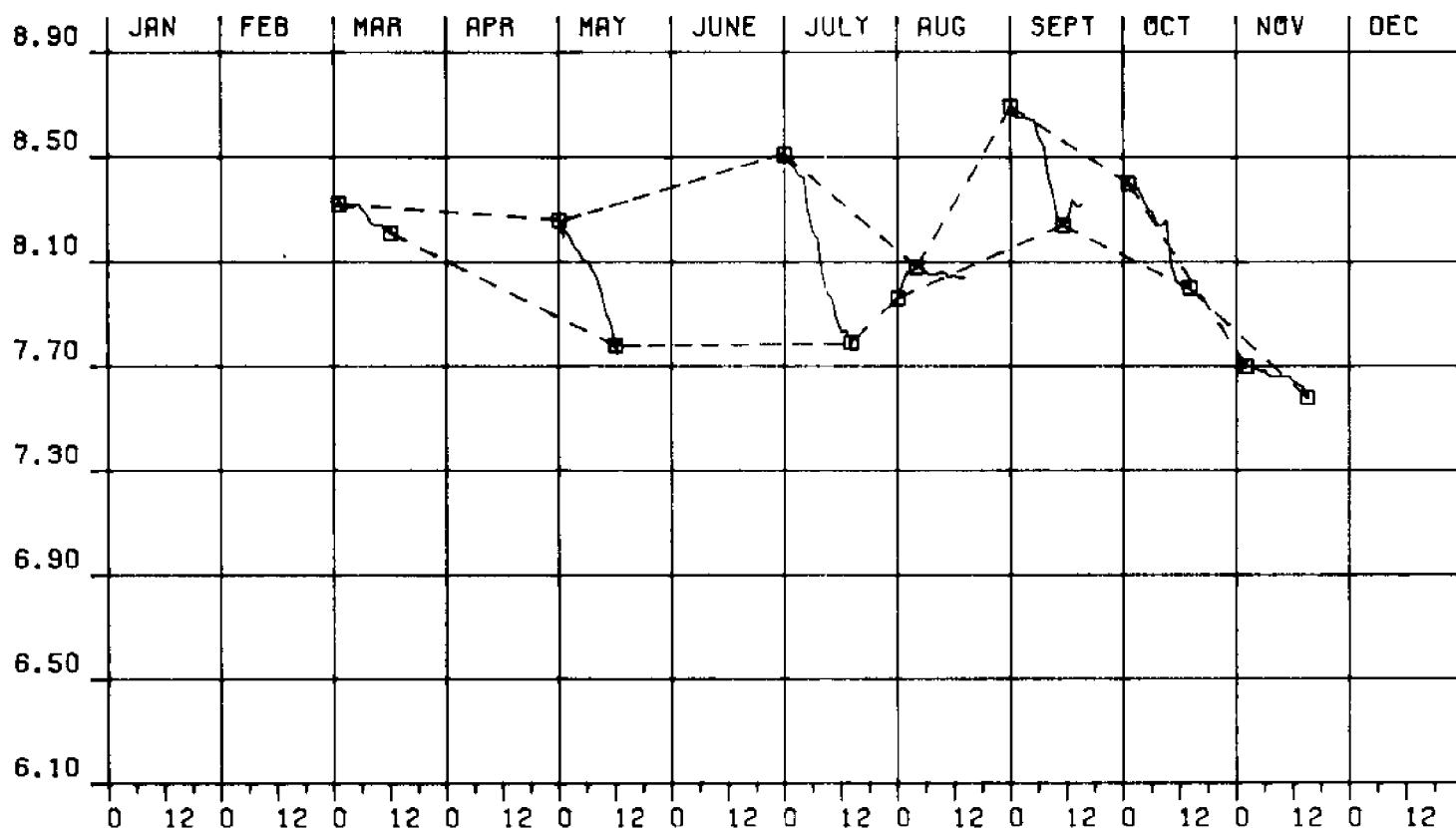
O1 500 YDS SE END OF PIER J
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



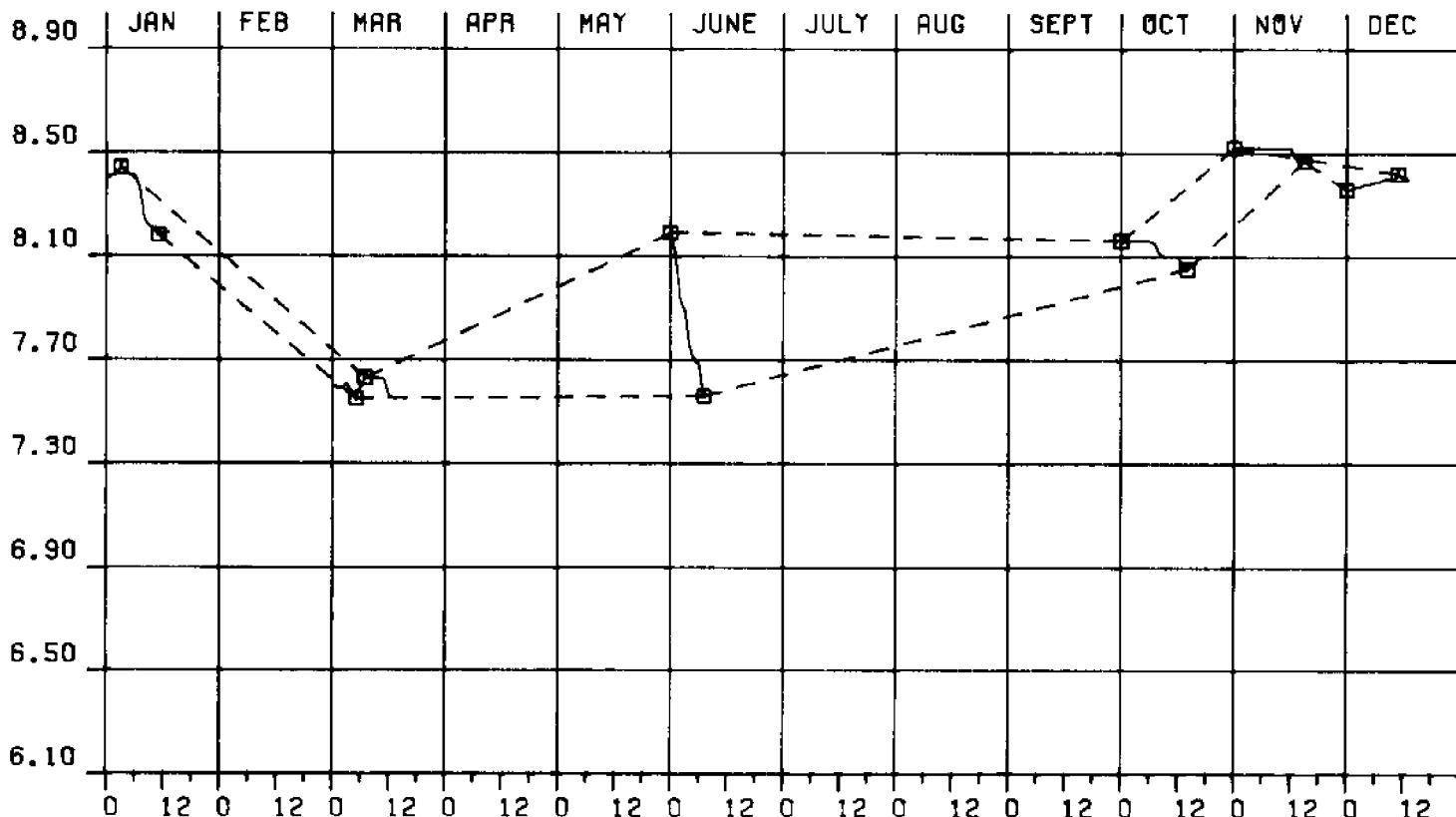
O1 500 YDS SE END OF PIER J
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



D1 500 YDS SE END OF PIER J
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



D1 500 YDS SE END OF PIER J
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MARCH 1973
STATIONS: D1 500 YDS SE END OF PIER

DEPTH MEETERS	TEMPERATURE C	SALINITY ‰	D.O.D.		PH HAN CONC	TURBIDITY %
			PSM	PPM		
00	6.0	32.10	53.76	32.60	10.50	8.31
01	3.20	32.10	53.76	32.70	10.50	8.32
02	6.56	32.00	53.60	32.90	10.20	8.30
03	9.84	31.90	53.42	33.00	10.00	8.31
04	13.12	31.90	53.42	33.00	10.00	8.31
05	16.40	31.90	53.42	33.00	10.10	8.32
06	19.68	31.80	53.24	33.20	9.70	8.30
07	22.96	31.50	52.70	33.20	9.20	8.28
08	26.24	31.20	52.16	33.30	8.20	8.24
09	29.52	31.10	51.98	33.40	8.10	8.24
10	32.80	31.10	51.98	33.30	8.30	8.24
11	36.08	31.00	51.80	33.40	7.90	8.22
12	39.36	31.00	51.80	33.20	7.80	8.21
13	42.64	30.90	51.62	33.30	7.50	8.21

DATE: APRIL 1973

STATION: D1 500 YDS SE END OF PIER J

DEPTH METERS	DEPTH FEET	TEMPERATURE C.	TEMPERATURE F.	SALINITY ‰	D.O.D. PPB	P.H. M.A.D.N. CONC.	TURBIDITY %
00	0.00	16.10	60.98	33.60	12.80	-1.00	-1.00
01	3.28	16.00	60.80	33.60	13.20	-1.00	-1.00
02	6.56	16.00	60.80	33.60	13.00	-1.00	-1.00
03	9.84	16.00	60.80	33.70	13.20	-1.00	-1.00
04	13.12	15.90	60.62	33.70	13.20	-1.00	-1.00
05	16.40	15.80	60.08	33.70	13.20	-1.00	-1.00
06	19.68	15.10	59.18	33.60	12.80	-1.00	-1.00
07	22.96	14.80	58.64	33.70	12.50	-1.00	-1.00
08	26.24	14.70	58.44	33.70	12.10	-1.00	-1.00
09	29.52	14.20	57.56	33.90	12.00	-1.00	-1.00
10	32.80	14.00	57.20	33.80	10.00	-1.00	-1.00
11	36.08	13.80	56.84	33.70	9.80	-1.00	-1.00
12	39.36	13.80	56.84	33.70	10.00	-1.00	-1.00
13	42.64	13.70	56.66	33.70	9.60	-1.00	-1.00

DATE: MAY 1973

STATION: D1 500 YDS SE END OF PIER J

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	D.O2 PPM	pH	PH ION CONC.	TURBIDITY NTU
00	0.0	13.40	39.72	33.50	9.40	9.20	50.00
01	3.28	15.10	39.18	33.70	8.80	8.22	52.00
02	6.56	15.10	39.18	33.70	8.60	8.20	50.00
03	9.84	14.70	38.46	33.80	8.00	8.16	52.00
04	13.12	14.60	38.28	33.80	7.80	8.14	48.00
05	16.40	14.60	38.28	33.80	7.30	8.11	46.00
06	19.68	14.30	37.74	33.90	7.00	8.10	47.00
07	22.96	14.10	37.38	33.90	6.60	8.07	46.00
08	26.24	13.90	37.02	33.80	6.20	8.04	49.00
09	29.52	13.80	36.84	33.80	5.40	7.98	49.00
10	32.80	13.70	36.66	33.80	4.30	7.00	47.00
11	36.08	13.60	36.48	33.70	3.80	7.86	45.00
12	39.36	13.50	36.30	33.80	2.80	7.78	44.00
13	42.64	13.40	35.12	33.80	2.60	7.79	39.00

MISSING DATA VALUE IS -1.0

DATE: MARCH 1973 STATION: D1 300 YDS SE END OF PIER DATE: JUNE 1973 STATION: D1 300 YDS SE END OF PIER

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	HARVEY CONC.	TURBIDITY NTU	DEPTH METERS		TEMPERATURE C	SALINITY ‰	D.O2 PPM			
							FEET	FEET						
00	0.0	12.10	33.78	32.60	10.50	8.31	-1.00		00	0.0	20.20	55.36	32.90	9.00
01	3.28	12.10	33.78	32.70	10.50	8.32	-1.00		01	3.28	20.30	55.54	33.10	8.90
02	6.56	12.00	33.60	32.90	10.20	8.30	-1.00		02	6.56	20.20	55.36	33.30	8.70
03	9.84	11.90	33.42	33.00	10.00	8.31	-1.00		03	9.84	20.00	55.00	33.40	8.60
04	13.12	11.90	33.42	33.00	10.00	8.31	-1.00		04	13.12	18.50	65.30	33.70	8.40
05	16.40	11.90	33.42	33.00	10.10	8.32	-1.00		05	16.40	18.90	62.42	34.00	8.60
06	19.68	11.80	33.24	33.20	9.70	8.30	-1.00		06	19.68	18.50	61.70	33.80	7.60
07	22.96	11.50	32.70	33.20	9.20	8.28	-1.00		07	22.96	16.20	61.16	33.70	7.40
08	26.24	11.20	32.16	33.30	9.20	8.24	-1.00		08	26.24	15.60	60.08	34.00	7.30
09	29.52	11.10	31.98	33.40	8.10	8.24	-1.00		09	29.52	15.30	59.54	33.70	7.30
10	32.80	11.10	31.98	33.30	8.30	8.24	-1.00		10	32.80	15.10	59.18	33.60	7.40
11	36.08	11.00	31.80	33.40	7.90	8.22	-1.00		11	36.08	14.90	58.82	33.60	6.80
12	39.36	11.00	31.80	33.20	7.80	8.21	-1.00		12	39.36	14.60	58.28	33.70	6.90
13	42.64	10.90	31.62	33.30	7.50	8.21	-1.00		13	42.64	13.80	56.84	33.80	6.70
									14	45.92	13.50	56.30	33.90	6.80

Possible probe malfunction

STATION: DL 500 YDS SE END OF PIER J DATE: JULY 1973
STATION: DL 500 YDS SE END OF PIER L

DEPTH TEMPERATURE SALINITY D.O2 PH TURBIDITY DATE: AUGUST 1973
METERS FEET °C °F PPT PPB H.ION CONC. STATION: DI 500 YDS SE END OF PIER

	0.0	15.40	39.72	33.50	9.40	8.20	50.00		DEPTH METERS	TEMPERATURE DEGREES FEET	TEMPERATURE C	TEMPERATURE E	SALINITY BPS	O.D.O. PPM	pH	TURBIDITY M
01	3.28	15.10	59.18	33.70	8.80	8.22	52.00		00	0.0	19.60	87.28	30.90	7.50	7.96	-1.00
02	6.56	15.10	59.18	33.70	8.50	8.20	50.00		01	3.28	19.60	87.28	32.10	7.50	8.01	-1.00
03	9.84	14.70	58.46	33.80	8.00	8.16	52.00		02	6.56	19.60	87.28	33.10	7.90	8.06	-1.00
04	13.12	14.60	58.28	33.80	7.80	8.14	48.00		03	9.84	19.40	86.92	31.20	8.00	8.06	-1.00
05	16.40	14.60	58.28	33.80	7.30	8.11	46.00		04	13.12	19.20	86.56	31.30	8.00	8.08	-1.00
06	19.68	14.30	57.74	33.90	7.00	8.10	47.00		05	16.40	19.20	86.36	33.40	8.10	8.08	-1.00
07	22.96	14.10	57.38	33.90	6.60	8.07	46.00		06	19.68	16.40	85.12	33.60	8.00	8.06	-1.00
08	26.24	13.90	57.02	33.80	6.20	8.04	49.00		07	22.96	17.40	83.32	33.50	8.10	8.05	-1.00
09	29.52	13.80	56.84	33.80	5.40	7.98	49.00		08	26.24	17.30	83.14	33.50	8.20	8.05	-1.00
10	32.80	13.70	56.66	33.80	4.30	7.90	47.00		09	29.52	17.30	83.14	33.50	8.30	8.05	-1.00
11	36.08	13.60	56.48	33.70	3.80	7.96	45.00		10	32.80	17.20	82.96	33.40	8.40	8.06	-1.00
12	39.36	13.50	56.30	33.80	2.80	7.78	44.00		11	36.08	16.50	81.70	33.50	8.30	8.04	-1.00
13	42.64	13.40	55.12	33.80	2.80	7.79	39.00		12	39.36	16.00	80.80	33.50	8.60	8.05	-1.00
									13	42.64	15.80	80.44	33.50	8.40	8.04	-1.00
									14	45.92	15.70	80.26	33.50	8.40	8.04	-1.00

DATE: SEPTEMBER 1973

STATION: 01 500 YDS SE END OF PIER I

DATE: DECEMBER 1973

STATION: 01 500 YDS SE END OF PIER I

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY NTU CONC
00	24.0	32.00	52.40	8.80	82.00
01	34.28	32.00	52.40	8.80	82.00
02	44.56	32.00	52.40	8.80	82.00
03	54.84	32.00	52.40	8.80	82.00
04	65.12	32.00	52.40	8.80	82.00
05	75.40	32.00	52.40	8.80	82.00
06	85.68	32.00	52.40	8.80	82.00
07	95.96	32.00	52.40	8.80	82.00
08	106.24	32.00	52.40	8.80	82.00
09	116.52	32.00	52.40	8.80	82.00
10	126.80	32.00	52.40	8.80	82.00
11	137.08	32.00	52.40	8.80	82.00
12	147.36	32.00	52.40	8.80	82.00
13	157.64	32.00	52.40	8.80	82.00
14	167.92	32.00	52.40	8.80	82.00
15	178.20	32.00	52.40	8.80	82.00

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY NTU CONC
00	24.0	32.00	52.40	8.80	82.00
01	34.28	32.00	52.40	8.80	82.00
02	44.56	32.00	52.40	8.80	82.00
03	54.84	32.00	52.40	8.80	82.00
04	65.12	32.00	52.40	8.80	82.00
05	75.40	32.00	52.40	8.80	82.00
06	85.68	32.00	52.40	8.80	82.00
07	95.96	32.00	52.40	8.80	82.00
08	106.24	32.00	52.40	8.80	82.00
09	116.52	32.00	52.40	8.80	82.00
10	126.80	32.00	52.40	8.80	82.00
11	137.08	32.00	52.40	8.80	82.00
12	147.36	32.00	52.40	8.80	82.00
13	157.64	32.00	52.40	8.80	82.00
14	167.92	32.00	52.40	8.80	82.00
15	178.20	32.00	52.40	8.80	82.00

DATE: OCTOBER 1973

STATION: 01 500 YDS SE END OF PIER I

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY NTU CONC
00	24.0	32.42	52.40	8.80	75.50
01	34.28	32.42	52.40	8.80	75.50
02	44.56	32.42	52.40	8.80	75.50
03	54.84	32.42	52.40	8.80	75.50
04	65.12	32.42	52.40	8.80	75.50
05	75.40	32.42	52.40	8.80	75.50
06	85.68	32.42	52.40	8.80	75.50
07	95.96	32.42	52.40	8.80	75.50
08	106.24	32.42	52.40	8.80	75.50
09	116.52	32.42	52.40	8.80	75.50
10	126.80	32.42	52.40	8.80	75.50
11	137.08	32.42	52.40	8.80	75.50
12	147.36	32.42	52.40	8.80	75.50
13	157.64	32.42	52.40	8.80	75.50
14	167.92	32.42	52.40	8.80	75.50
15	178.20	32.42	52.40	8.80	75.50

DATE: JANUARY 1974

STATION: 01 500 YDS SE END OF PIER I

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY NTU CONC
00	24.0	32.80	52.40	8.80	82.00
01	34.28	32.80	52.40	8.80	82.00
02	44.56	32.80	52.40	8.80	82.00
03	54.84	32.80	52.40	8.80	82.00
04	65.12	32.80	52.40	8.80	82.00
05	75.40	32.80	52.40	8.80	82.00
06	85.68	32.80	52.40	8.80	82.00
07	95.96	32.80	52.40	8.80	82.00
08	106.24	32.80	52.40	8.80	82.00
09	116.52	32.80	52.40	8.80	82.00
10	126.80	32.80	52.40	8.80	82.00
11	137.08	32.80	52.40	8.80	82.00
12	147.36	32.80	52.40	8.80	82.00
13	157.64	32.80	52.40	8.80	82.00
14	167.92	32.80	52.40	8.80	82.00
15	178.20	32.80	52.40	8.80	82.00

DATE: NOVEMBER 1973

STATION: 01 500 YDS SE END OF PIER I

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY NTU CONC
00	0.0	32.80	52.40	7.60	82.00
01	3.28	32.80	52.40	7.60	82.00
02	6.56	32.80	52.40	7.60	82.00
03	9.84	32.80	52.40	7.60	82.00
04	13.12	32.80	52.40	7.60	82.00
05	16.40	32.80	52.40	7.60	82.00
06	19.68	32.80	52.40	7.60	82.00
07	22.96	32.80	52.40	7.60	82.00
08	26.24	32.80	52.40	7.60	82.00
09	29.52	32.80	52.40	7.60	82.00
10	32.80	32.80	52.40	7.60	82.00
11	36.08	32.80	52.40	7.60	82.00
12	39.36	32.80	52.40	7.60	82.00
13	42.64	32.80	52.40	7.60	82.00
14	45.92	32.80	52.40	7.60	82.00
15	49.20	32.80	52.40	7.60	82.00

DATE: FEBRUARY 1974

STATION: 01 500 YDS SE END OF PIER I

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY NTU CONC
00	0.0	32.80	52.40	8.80	82.00
01	3.28	32.80	52.40	8.80	82.00
02	6.56	32.80	52.40	8.80	82.00
03	9.84	32.80	52.40	8.80	82.00
04	13.12	32.80	52.40	8.80	82.00
05	16.40	32.80	52.40	8.80	82.00
06	19.68	32.80	52.40	8.80	82.00
07	22.96	32.80	52.40	8.80	82.00
08	26.24	32.80	52.40	8.80	82.00
09	29.52	32.80	52.40	8.80	82.00
10	32.80	32.80	52.40	8.80	82.00
11	36.08	32.80	52.40	8.80	82.00
12	39.36	32.80	52.40	8.80	82.00
13	42.64	32.80	52.40	8.80	82.00
14	45.92	32.80	52.40	8.80	82.00
15	49.20	32.80	52.40	8.80	82.00

MISSING DATA VALUE = 15 + 1.0

DATE: MARCH 1974

STATION: 01 500 YDS SE END OF PIER 1

DEPTH METERS	DEPTH FEET	TEMPERATURE		SALINITY ‰	O.02 PPM	PH	ALKALINITY M. L. CONC.	TURBIDITY %
		C	F					
00	0.0	14.70	58.46	33.15	7.40	7.60	-1.00	
01	3.28	14.50	58.10	33.15	7.40	7.59	-1.00	
02	6.56	14.50	58.10	33.20	7.40	7.59	-1.00	
03	9.84	14.40	57.92	33.25	7.70	7.61	-1.00	
04	13.12	14.20	57.56	33.40	7.30	7.57	-1.00	
05	16.40	14.10	57.38	33.45	7.10	7.55	-1.00	
06	19.68	14.10	57.38	33.45	7.50	7.60	-1.00	
07	22.96	14.00	57.20	33.45	7.80	7.63	-1.00	
08	26.24	13.90	57.02	33.50	7.80	7.63	-1.00	
09	29.52	13.90	57.02	33.50	7.70	7.63	-1.00	
10	32.80	13.00	57.02	33.50	7.70	7.63	-1.00	
11	36.08	13.00	56.84	33.50	7.50	7.62	-1.00	
12	39.36	13.50	56.30	33.60	7.10	7.56	-1.00	
13	42.64	13.50	56.30	33.50	6.80	7.55	-1.00	

DATE: APRIL 1974

STATION: D1 500 YDS SE END OF PIER 1

DEPTH METERS	DEPTH FEET	TEMPERATURE		SALINITY ‰	D.O. PPM	PH	TURBIDITY %
		C.	F.				
00	0.0	15.00	59.00	33.45	9.20	-1.00	50.50
01	3.28	15.00	59.00	33.45	9.40	-1.00	81.00
02	6.56	15.00	59.00	33.45	9.10	-1.00	81.00
03	9.84	14.70	58.46	34.55	7.40	-1.00	80.50
04	13.12	14.60	58.28	33.85	7.20	-1.00	80.00
05	16.40	14.60	58.28	33.85	7.20	-1.00	79.00
06	19.68	14.60	58.28	33.70	7.10	-1.00	78.00
07	22.96	14.60	58.28	33.65	6.90	-1.00	77.00
08	26.24	14.50	58.10	33.75	6.80	-1.00	72.00
09	29.52	14.50	58.10	33.80	6.70	-1.00	73.50
10	32.80	14.40	57.92	33.85	6.60	-1.00	76.00
11	36.08	14.30	57.74	33.80	6.50	-1.00	68.00
12	39.36	14.30	57.74	33.70	6.60	-1.00	57.00
13	42.64	14.30	57.74	33.65	6.60	-1.00	35.00

DATE: MAY 1974

STATION: D1 500 YDS SE END OF PIER J

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O.2 PPM	pH	TURBIDITY NTU
00	0.0	17.20	62.95	-1.00	9.30	-1.00	69.00
01	3.28	17.10	62.78	-1.00	9.50	-1.00	74.00
02	6.56	16.50	61.70	-1.00	9.00	-1.00	78.00
03	9.84	16.50	61.70	-1.00	9.20	-1.00	79.50
04	13.12	16.30	61.34	-1.00	9.40	-1.00	80.00
05	16.40	16.20	61.16	-1.00	9.50	-1.00	81.00
06	19.68	16.20	61.16	-1.00	9.60	-1.00	82.00
07	22.96	15.90	60.62	-1.00	9.80	-1.00	83.00
08	26.24	15.90	60.62	-1.00	9.90	-1.00	83.50
09	29.52	15.90	60.62	-1.00	9.90	-1.00	83.00
10	32.80	15.80	60.44	-1.00	9.50	-1.00	83.00
11	36.08	15.30	59.54	-1.00	9.30	-1.00	82.50
12	39.36	15.20	59.36	-1.00	8.90	-1.00	76.00
13	42.64	13.90	57.02	-1.00	2.40	-1.00	-1.00

DATE: JUNE 1974

STATION: 01 500

STATION: 61 300 VDS SE END OF PIER 1

MEASURE	DEPTH	TEMPERATURE		SALINITY ‰	O ₂ , PPM	PH	TURBIDITY NTU
		°C	°F				
T-0	0.0	15.70	65.66	39.00	7.50	8.19	64.00
C-1	34.28	19.30	64.94	29.20	7.50	8.11	64.00
C-2	9.56	16.60	61.48	29.40	8.90	7.93	66.00
C-3	9.44	16.00	61.16	29.60	5.40	7.89	67.50
C-4	13.12	14.80	58.64	29.70	2.40	7.75	69.50
C-5	16.40	14.00	57.20	29.90	1.60	7.70	70.50
C-6	19.68	13.50	56.30	30.00	1.10	7.68	73.00
C-7	22.96	12.60	54.88	30.00	0.0	7.56	79.00

DATE: JULY 1974
STATION: DE 500 YDS SE END OF PIER J

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	pH	TURBIDITY %
00	22.40	32.10	-1.00	-1.00	50.00
01	22.28	32.20	-1.00	-1.00	71.00
02	22.30	32.14	-1.00	-1.00	73.00
03	21.70	32.20	-1.00	-1.00	76.00
04	21.20	32.50	-1.00	-1.00	77.50
05	20.30	32.54	-1.00	-1.00	80.00
06	20.00	32.60	-1.00	-1.00	80.00
07	19.96	32.70	-1.00	-1.00	89.00
08	19.30	33.10	-1.00	-1.00	76.50
09	18.20	33.20	-1.00	-1.00	78.00
10	15.50	33.10	-1.00	-1.00	76.00
11	15.00	33.30	-1.00	-1.00	73.50
12	14.30	33.20	-1.00	-1.00	71.50
13	14.10	33.30	-1.00	-1.00	32.00
14	14.00	33.30	-1.00	-1.00	1.00

BAMA NUMBER 102

STATION: 81 500 YRS SE END OF PIER I

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY PPM	D-02 PPM	PH ION CONC.	TURBIDITY %
00	0.0	19.10	66.38	32.30	9.90	-1.00	72.00
01	3.28	19.10	66.38	32.10	7.80	-1.00	68.00
02	6.56	18.10	64.58	32.40	6.80	-1.00	69.00
03	9.84	17.30	63.14	32.40	7.00	-1.00	70.00
04	13.12	16.50	62.24	32.30	6.00	-1.00	71.00
05	16.40	16.20	61.16	32.50	6.40	-1.00	81.50
06	19.68	16.00	60.80	32.50	6.90	-1.00	82.50
07	22.96	15.80	60.44	32.40	7.40	-1.00	83.50
08	26.24	15.50	59.90	32.60	7.50	-1.00	84.00
09	29.52	15.35	59.54	32.40	7.40	-1.00	82.50
10	32.80	15.20	59.36	33.40	7.20	-1.00	82.00
11	36.08	15.00	59.00	33.50	6.70	-1.00	78.00
12	39.36	14.80	58.60	33.50	6.40	-1.00	77.50
13	42.64	14.90	58.82	33.60	6.40	-1.00	76.50
14	45.92	14.50	58.10	32.80	6.50	-1.00	76.50
15	49.20	13.90	57.02	32.70	5.30	-1.00	-1.00

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1974

STATION: 01 500 YDS SF END OF PIER)

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0.000	O.D2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	19.90	67.82	33.30	9.80	-1.00	70.00
01	3.28	19.80	67.64	33.30	10.00	-1.00	69.50
02	6.56	19.80	67.64	33.30	9.80	-1.00	74.00
03	9.84	19.80	67.64	33.50	8.80	-1.00	73.50
04	13.12	19.20	66.56	33.40	7.80	-1.00	71.50
05	16.40	19.00	66.20	33.40	7.30	-1.00	73.00
06	19.68	18.40	65.12	33.80	6.60	-1.00	77.00
07	22.96	18.00	64.40	33.60	6.50	-1.00	76.00
08	26.24	17.80	64.04	34.00	3.80	-1.00	71.00
09	29.52	17.60	63.68	33.80	3.20	-1.00	70.00
10	32.80	16.60	61.58	33.80	2.60	-1.00	71.50
11	36.08	16.40	61.52	33.60	3.60	-1.00	75.50
12	39.36	16.20	61.16	33.50	3.50	-1.00	76.00
13	42.64	16.00	60.80	33.60	3.60	-1.00	76.50
14	45.92	15.60	60.00	33.80	3.60	-1.00	57.00

DATE: NOVEMBER 1974

STATION: 01 500 YDS SE END OF PIER)

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0.000	O.D2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	14.60	58.28	33.30	9.10	8.52	-1.00
01	3.28	14.60	58.28	33.50	9.20	8.52	-1.00
02	6.56	14.60	58.28	33.50	9.10	8.52	-1.00
03	9.84	14.60	58.28	33.60	9.10	8.52	-1.00
04	13.12	14.60	58.28	33.60	9.00	8.52	-1.00
05	16.40	14.70	58.46	33.60	8.80	8.52	-1.00
06	19.68	14.70	58.46	33.60	8.90	8.52	-1.00
07	22.96	14.70	58.46	33.70	8.80	8.52	-1.00
08	26.24	14.70	58.46	33.70	8.90	8.52	-1.00
09	29.52	14.70	58.46	33.70	9.00	8.52	-1.00
10	32.80	14.70	58.46	33.70	8.80	8.52	-1.00
11	36.08	14.70	58.46	33.70	8.90	8.52	-1.00
12	39.36	14.70	58.46	33.70	8.80	8.52	-1.00
13	42.64	14.60	58.28	33.80	8.20	8.48	-1.00
14	45.92	14.50	58.10	33.80	7.80	8.48	-1.00
15	49.20	14.60	58.28	33.80	7.50	8.47	-1.00

DATE: OCTOBER 1974

STATION: 01 500 YDS SF END OF PIER)

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0.000	O.D2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	15.60	59.08	33.20	8.90	8.16	73.50
01	3.28	15.40	59.72	33.20	8.90	8.16	74.00
02	6.56	15.40	59.72	33.20	8.90	8.16	74.00
03	9.84	15.30	59.54	33.25	8.80	8.16	74.00
04	13.12	15.20	59.36	33.25	8.70	8.16	74.50
05	16.40	15.20	59.36	33.15	9.10	8.16	75.00
06	19.68	15.20	59.36	33.15	9.10	8.16	75.50
07	22.96	15.20	59.36	33.15	9.00	8.15	77.50
08	26.24	15.20	59.36	33.15	8.40	8.11	76.50
09	29.52	15.10	59.18	33.45	8.10	8.10	79.00
10	32.80	14.50	58.10	34.00	8.30	8.10	77.50
11	36.08	13.70	56.86	33.80	8.50	8.10	77.50
12	39.36	13.50	56.30	33.85	8.50	8.10	76.50
13	42.64	13.10	56.58	33.85	8.30	8.07	72.00
14	45.92	13.10	55.58	33.75	8.10	8.05	67.00

DATE: DECEMBER 1974

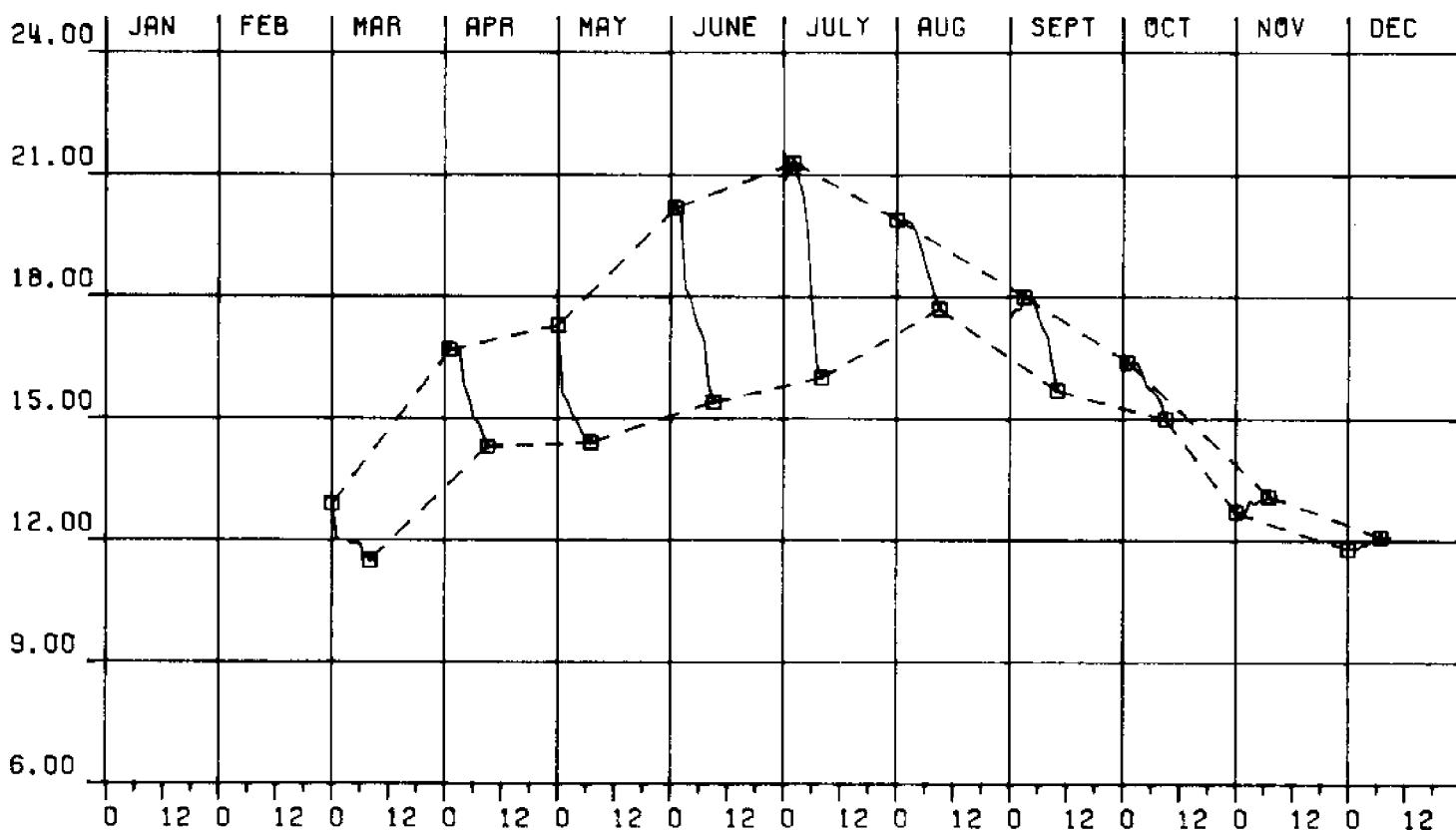
STATION: 01 500 YDS SE END OF PIER)

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0.000	O.D2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	13.50	56.30	33.50	7.10	8.36	92.00
01	3.28	13.50	56.30	33.60	7.20	8.36	91.00
02	6.56	13.60	56.48	33.60	7.40	8.37	94.00
03	9.84	13.60	56.48	33.60	7.60	8.37	94.50
04	13.12	13.60	56.48	33.60	7.20	8.38	95.00
05	16.40	13.60	56.48	33.60	7.30	8.38	96.00
06	19.68	13.60	56.48	33.60	7.30	8.39	94.50
07	22.96	13.60	56.48	33.60	7.30	8.39	95.00
08	26.24	13.60	56.48	33.70	7.30	8.40	95.00
09	29.52	13.60	56.48	33.70	7.20	8.40	95.50
10	32.80	13.60	56.48	33.70	7.20	8.40	96.00
11	36.08	13.60	56.48	33.70	7.10	8.42	94.50
12	39.36	13.60	56.48	33.70	7.10	8.41	92.00
13	42.64	13.60	56.48	33.70	7.10	8.40	90.00

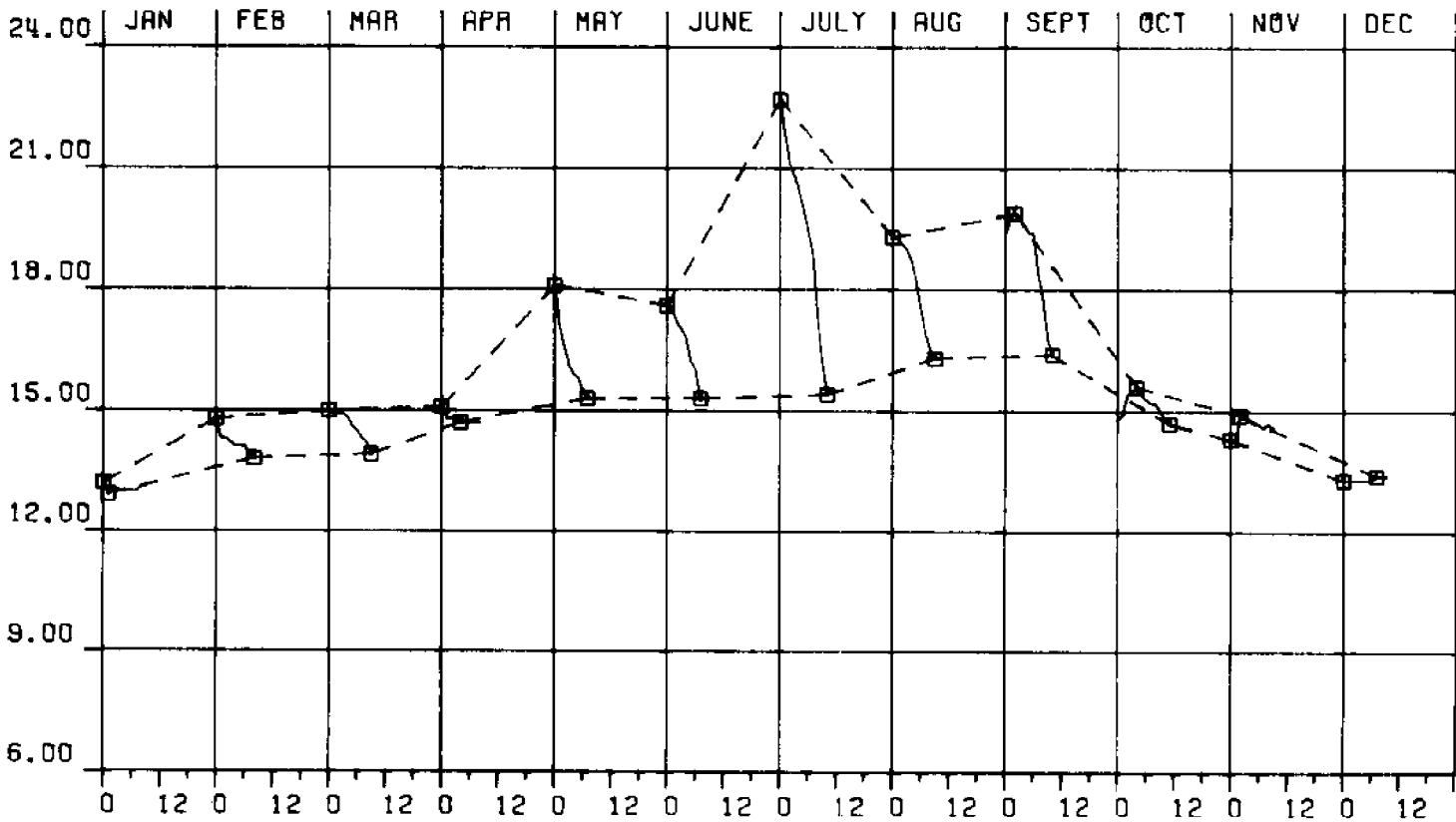
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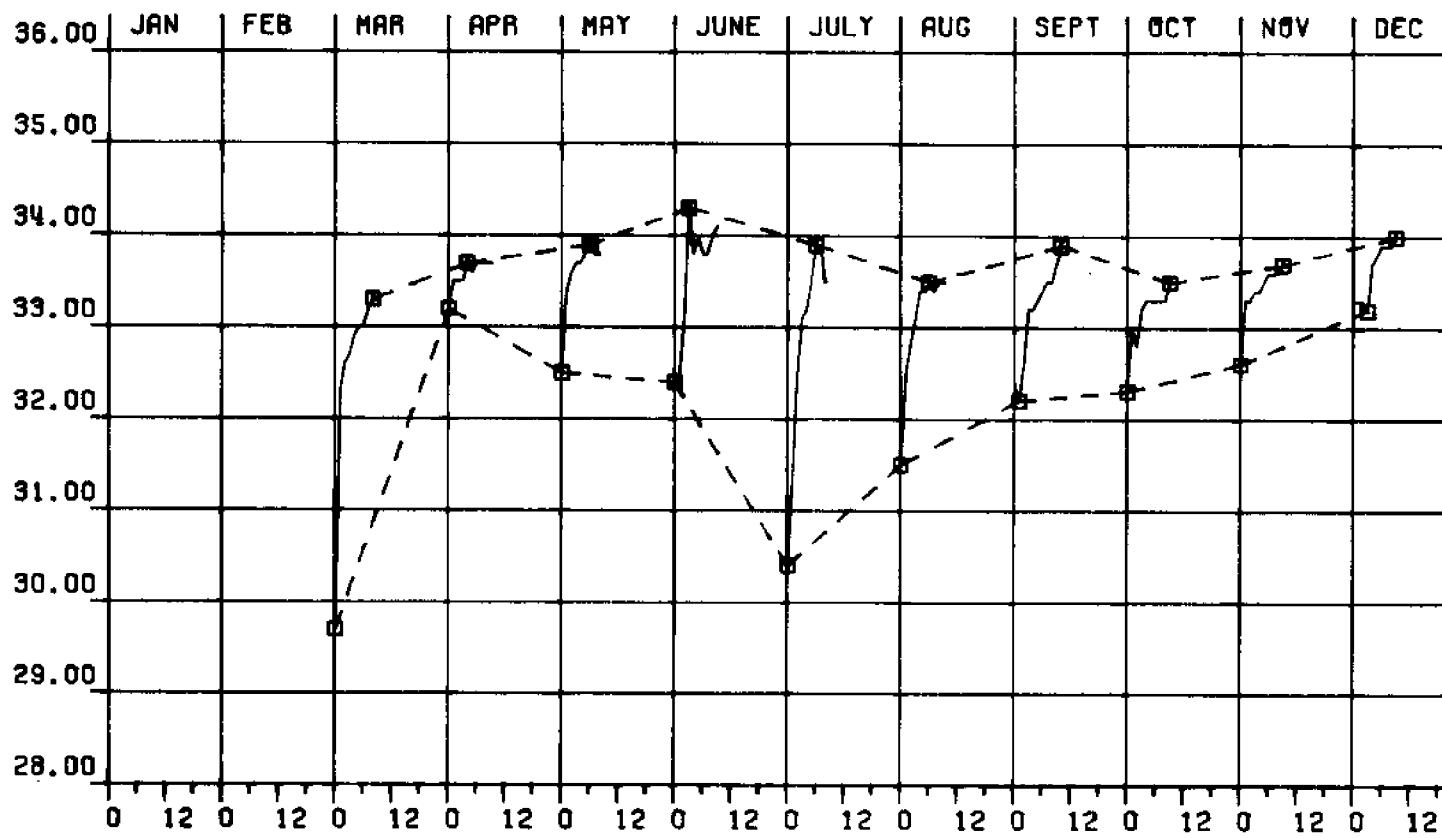
D2 500 YRDS NW OF QUEEN MARY
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



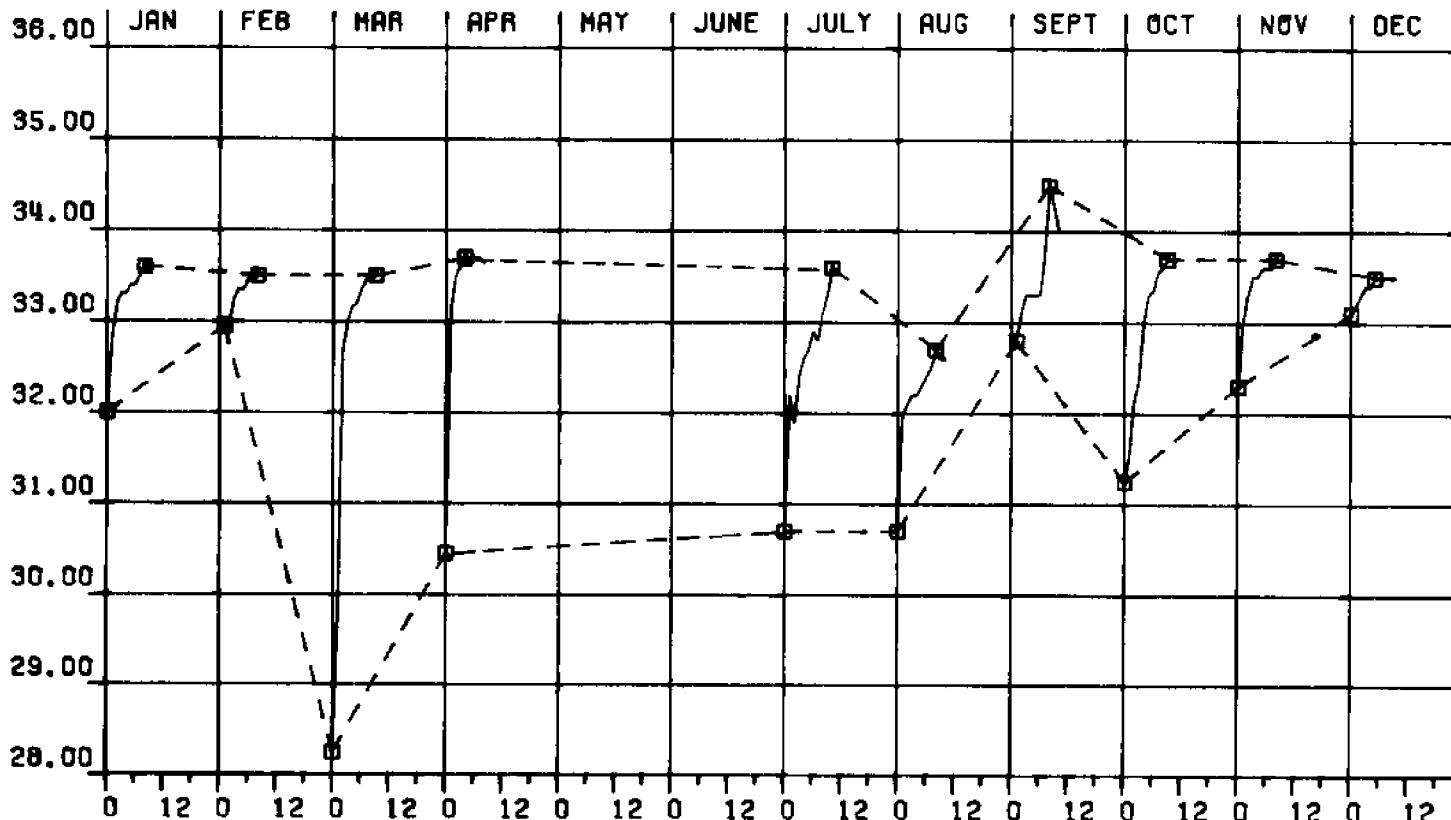
D2 500 YRDS NW OF QUEEN MARY
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



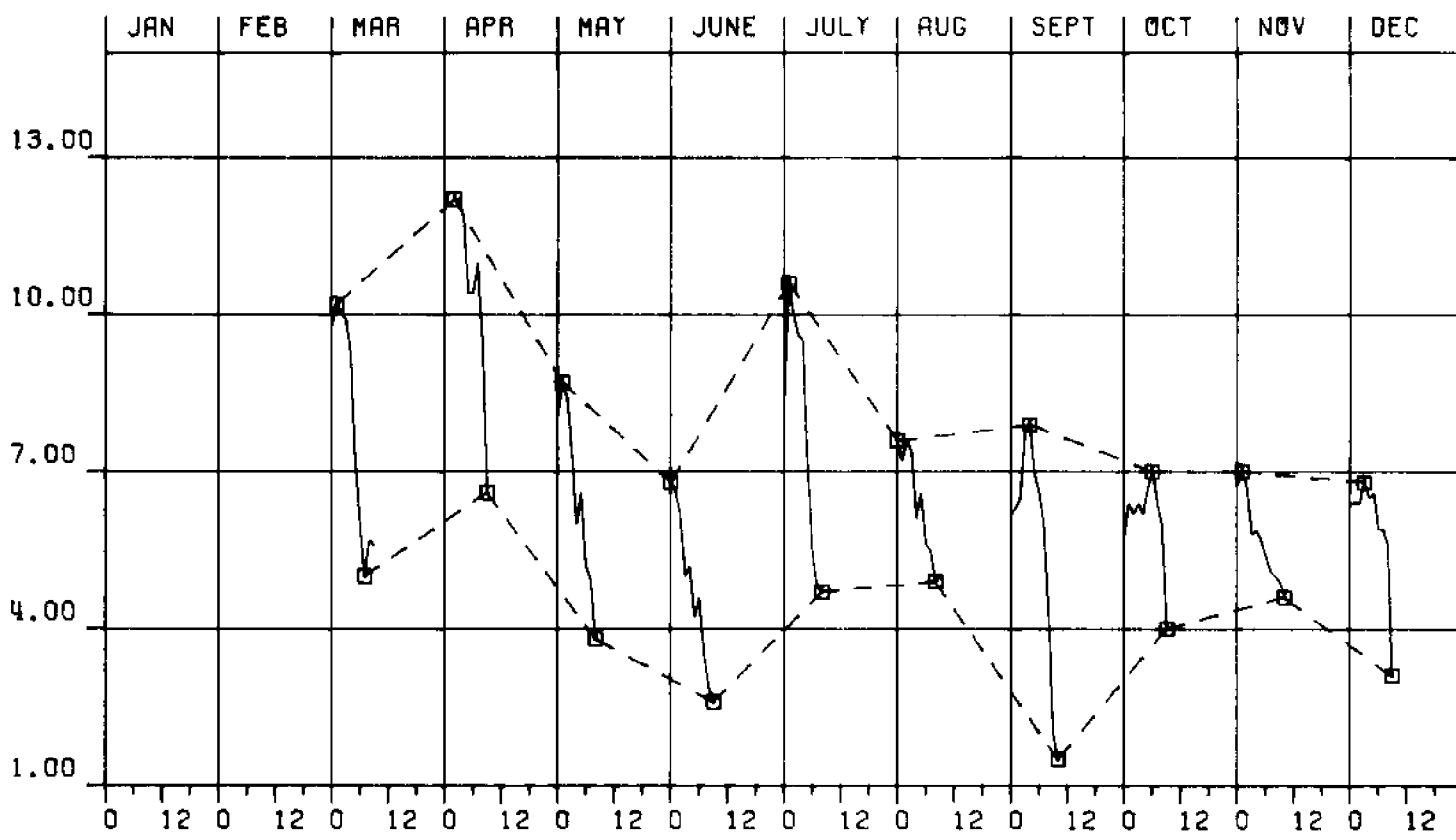
D2 500 YARDS NW OF QUEEN MARY
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



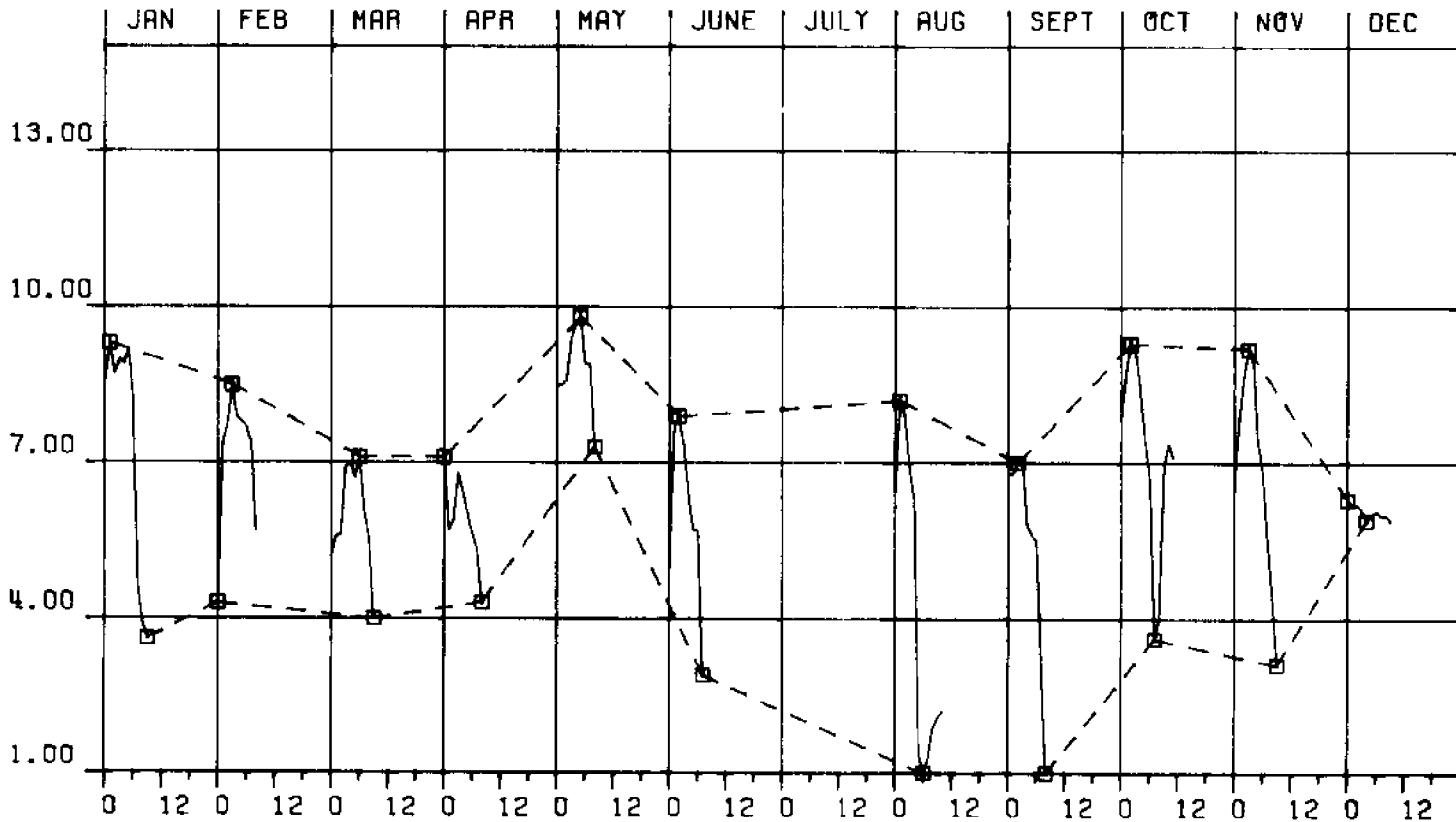
D2 500 YARDS NW OF QUEEN MARY
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



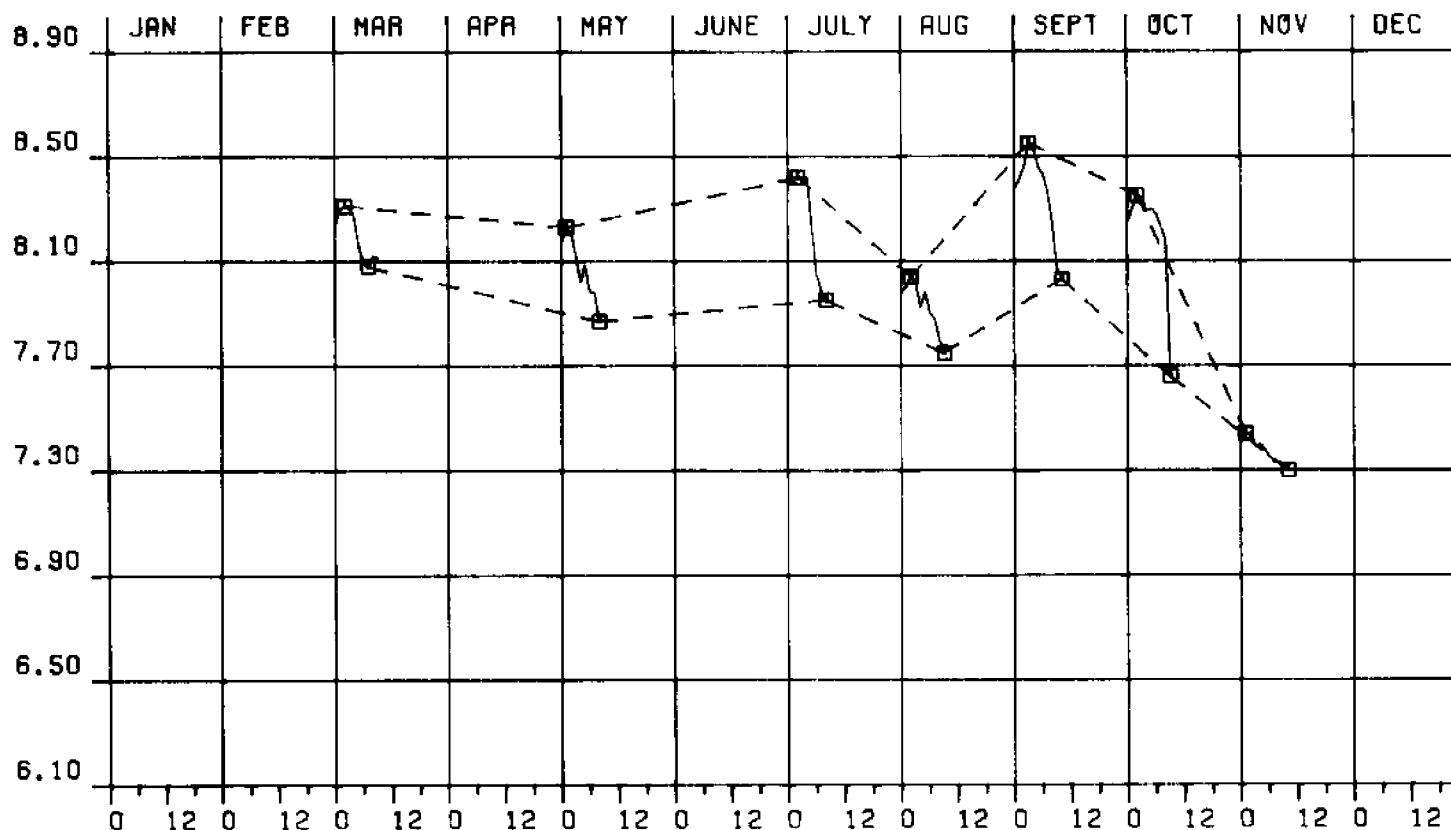
O2 500 YRS NW OF QUEEN MARY
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



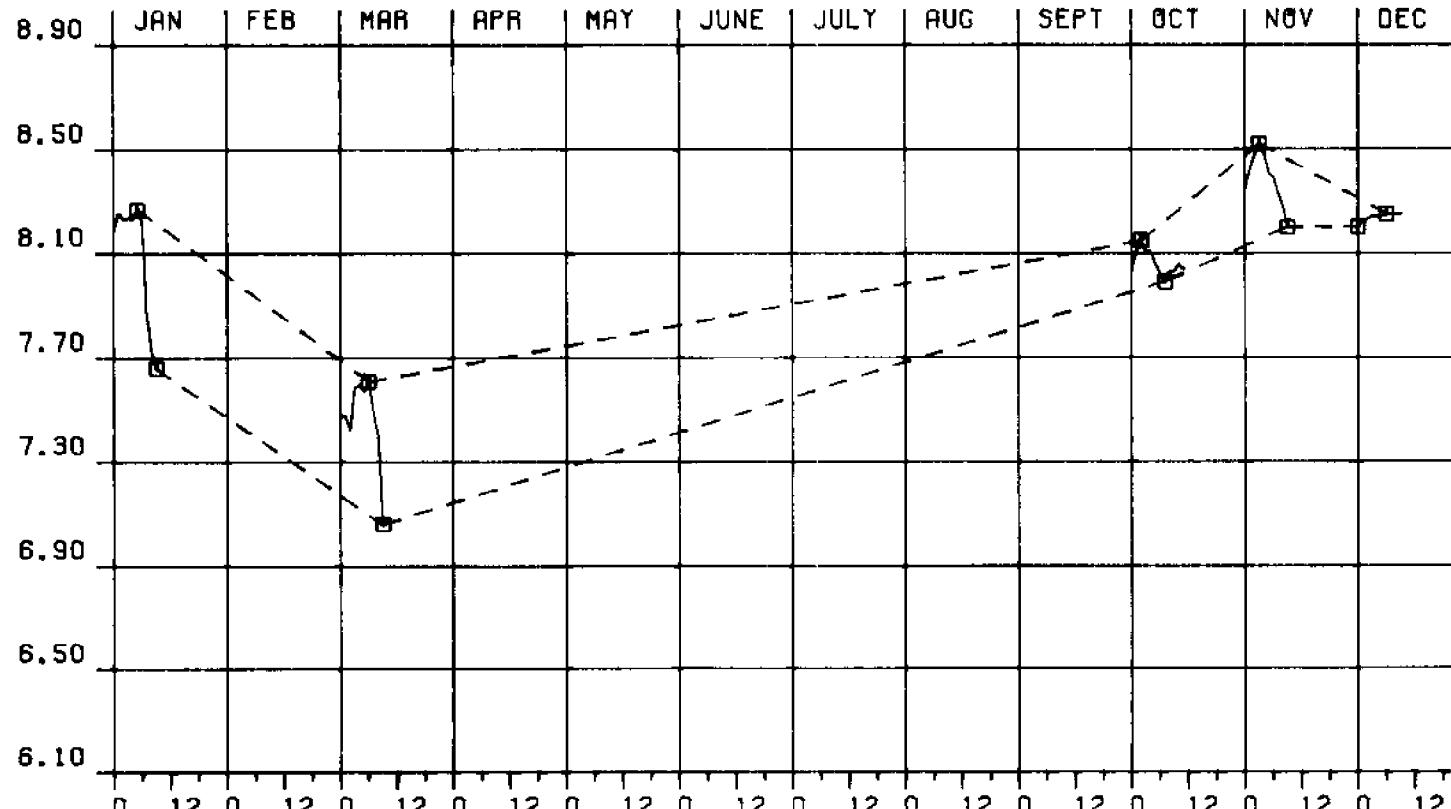
O2 500 YRS NW OF QUEEN MARY
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



D2 500 YARDS NW OF QUEEN MARY
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



D2 500 YARDS NW OF QUEEN MARY
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MARCH 1973

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰/‰	D.O2 PPM	PH	H.ION CONC %	TURBIDITY
00	0.0	12.90	55.22	32.70	9.80	8.24	-1.00	
01	3.28	12.00	53.60	32.30	10.20	8.30	-1.00	
02	6.56	12.00	53.60	32.30	10.00	8.31	-1.00	
03	9.84	12.00	53.60	32.30	9.90	8.30	-1.00	
04	13.12	11.90	53.42	32.20	9.20	8.27	-1.00	
05	16.40	11.90	53.42	32.00	7.30	8.16	-1.00	
06	19.68	11.90	53.42	32.00	6.00	8.09	-1.00	
07	22.96	11.60	52.88	33.20	5.00	8.08	-1.00	
08	26.24	11.50	52.70	33.30	5.70	8.12	-1.00	
09	29.52	11.50	52.70	33.30	5.60	8.11	-1.00	

DATE: APRIL 1973

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰/‰	D.O2 PPM	PH	H.ION CONC %	TURBIDITY
00	0.0	15.60	59.88	33.20	12.10	-1.00	-1.00	
01	3.28	15.70	59.06	33.50	12.10	-1.00	-1.00	
02	6.56	15.70	59.06	33.50	12.20	-1.00	-1.00	
03	9.84	15.70	59.06	33.50	12.20	-1.00	-1.00	
04	13.12	15.80	59.64	33.70	11.80	-1.00	-1.00	
05	16.40	15.50	59.90	33.60	10.40	-1.00	-1.00	
06	19.68	15.00	59.00	33.70	10.40	-1.00	-1.00	
07	22.96	14.90	58.82	33.70	11.00	-1.00	-1.00	
08	26.24	14.60	58.28	33.70	9.40	-1.00	-1.00	
09	29.52	14.30	57.74	33.70	6.60	-1.00	-1.00	

DATE: MAY 1973

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰/‰	D.O2 PPM	PH	H.ION CONC %	TURBIDITY
00	0.0	17.30	53.14	32.50	8.10	8.18	-1.00	
01	3.28	15.60	50.98	33.40	8.70	8.23	-1.00	
02	6.56	15.40	59.72	33.60	8.40	8.20	-1.00	
03	9.84	15.10	59.18	33.70	7.30	8.12	-1.00	
04	13.12	14.90	58.82	33.70	6.00	8.02	-1.00	
05	16.40	14.70	58.46	33.80	6.60	8.09	-1.00	
06	19.68	14.50	58.10	33.90	5.20	7.98	-1.00	
07	22.96	14.40	57.92	33.80	4.90	7.98	-1.00	
08	26.24	14.40	57.92	33.80	3.80	7.87	-1.00	

DATE: JUNE 1973

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰/‰	D.O2 PPM	PH	H.ION CONC %	TURBIDITY
00	0.0	20.10	68.18	32.40	6.80	-1.00	88.00	
01	3.28	20.20	68.38	32.40	6.60	-1.00	88.00	
02	6.56	20.00	68.00	33.10	6.20	-1.00	92.00	
03	9.84	18.20	64.76	34.30	5.00	-1.00	86.00	
04	13.12	18.00	64.40	34.80	5.20	-1.00	86.00	
05	16.40	17.50	63.50	34.00	4.20	-1.00	86.00	
06	19.68	17.20	62.96	33.80	4.60	-1.00	91.00	
07	22.96	16.90	62.42	33.80	3.50	-1.00	86.00	
08	26.24	15.80	60.44	34.00	2.90	-1.00	87.00	
09	29.52	15.40	59.72	34.10	2.60	-1.00	89.00	

DATE: JULY 1973

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰/‰	D.O2 PPM	PH	H.ION CONC %	TURBIDITY
00	0.0	20.00	69.62	30.40	8.20	8.40	-1.00	
01	3.28	21.10	69.98	31.30	10.60	8.41	-1.00	
02	6.56	21.30	70.34	32.50	10.00	8.42	-1.00	
03	9.84	20.90	69.62	33.10	9.60	8.42	-1.00	
04	13.12	20.50	68.90	33.20	9.50	8.42	-1.00	
05	16.40	19.60	67.28	33.50	7.20	8.23	-1.00	
06	19.68	17.80	66.04	33.90	5.50	8.05	-1.00	
07	22.96	16.30	61.34	33.90	4.80	7.98	-1.00	
08	26.24	16.00	60.80	33.50	4.70	7.95	-1.00	

DATE: AUGUST 1973

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰/‰	D.O2 PPM	PH	H.ION CONC %	TURBIDITY
00	0.0	19.90	67.62	31.50	7.60	7.98	-1.00	
01	3.28	19.80	67.64	32.50	7.20	8.00	-1.00	
02	6.56	19.90	67.62	32.80	7.60	8.04	-1.00	
03	9.84	19.80	67.64	33.10	7.40	8.02	-1.00	
04	13.12	19.80	67.28	33.40	6.10	7.92	-1.00	
05	16.40	19.20	66.86	33.40	6.60	7.98	-1.00	
06	19.68	18.80	65.84	33.50	5.60	7.90	-1.00	
07	22.96	18.40	65.12	33.40	5.80	7.88	-1.00	
08	26.24	18.00	64.40	33.50	4.90	7.80	-1.00	
09	29.52	17.70	63.86	33.50	5.00	7.75	-1.00	

DATE: SEPTEMBER 1973

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰/‰	D.O2 PPM	PH	H.ION CONC %	TURBIDITY
00	0.0	17.50	63.50	32.40	6.20	8.38	56.00	
01	3.28	17.70	63.86	32.20	6.30	8.41	58.50	
02	6.56	17.70	63.86	32.60	6.50	8.46	64.00	
03	9.84	18.00	64.40	33.20	7.80	8.55	71.50	
04	13.12	18.00	64.40	33.20	7.90	8.53	74.50	
05	16.40	17.90	64.22	33.30	7.00	8.46	73.50	
06	19.68	17.50	63.86	33.40	6.60	8.43	74.00	
07	22.96	17.20	62.96	33.50	6.00	8.37	71.00	
08	26.24	17.00	62.60	33.50	4.30	8.24	72.00	
09	29.52	16.30	61.34	33.70	2.00	8.07	75.00	
10	32.80	15.70	60.26	33.90	1.50	8.03	66.00	

DATE: OCTOBER 1973

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰/‰	D.O2 PPM	PH	H.ION CONC %	TURBIDITY
00	0.0	16.20	61.16	32.30	5.80	8.26	81.00	
01	3.28	16.40	61.52	33.00	5.40	8.30	78.00	
02	6.56	16.40	61.52	32.80	6.20	8.35	88.00	
03	9.84	16.40	61.52	33.20	5.40	8.34	80.00	
04	13.12	16.10	60.98	33.30	6.20	8.29	79.50	
05	16.40	15.80	60.44	33.30	6.70	8.10	76.50	
06	19.68	15.70	60.26	33.30	7.00	8.28	76.00	
07	22.96	15.60	60.08	33.40	6.40	8.23	77.00	
08	26.24	15.40	59.72	33.40	6.00	8.18	78.50	
09	29.52	15.00	59.00	33.50	4.00	7.65	74.00	

DATE: NOVEMBER 1973

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	12.70	34.96	32.60	8.80	7.41
01	3.28	12.70	34.86	33.20	7.00
02	6.56	12.70	34.86	33.10	6.70
03	9.84	13.00	35.40	33.40	5.80
04	13.12	12.90	35.22	33.40	5.90
05	16.40	13.00	35.40	33.40	5.70
06	19.68	13.00	35.40	33.40	5.40
07	22.96	13.10	35.58	33.60	5.10
08	26.24	13.00	35.40	33.60	5.00
09	29.52	13.00	35.40	33.70	4.50
10	32.80	13.00	35.40	33.70	4.50

DATE: DECEMBER 1973

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	11.80	33.24	33.70	6.40	-1.00
01	3.28	11.80	33.24	33.30	6.40
02	6.56	11.80	33.24	33.30	6.40
03	9.84	11.90	33.42	33.25	6.80
04	13.12	11.90	33.42	33.70	6.50
05	16.40	12.00	33.26	33.80	6.60
06	19.68	12.00	33.60	33.90	5.30
07	22.96	12.10	33.78	31.90	5.20
08	26.24	12.10	33.78	33.00	5.60
09	29.52	12.10	33.78	34.00	5.10

DATE: JANUARY 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	13.20	35.76	32.00	6.60	8.19
01	3.28	12.90	35.22	32.00	9.30
02	6.56	13.10	35.58	33.20	6.70
03	9.84	13.00	35.40	33.70	9.00
04	13.12	13.00	35.40	33.30	8.90
05	16.40	13.00	35.40	33.40	9.20
06	19.68	13.00	35.40	33.40	8.20
07	22.96	13.00	35.40	33.50	4.60
08	26.24	13.10	35.58	33.60	5.40
09	29.52	13.10	35.58	33.70	3.80

DATE: FEBRUARY 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	14.40	35.74	27.50	8.30	-1.00
01	3.28	14.40	35.74	32.65	7.40
02	6.56	14.40	35.74	32.00	7.70
03	9.84	14.20	35.56	31.25	8.50
04	13.12	14.10	35.34	31.35	7.90
05	16.40	14.10	35.34	33.15	7.80
06	19.68	14.10	35.34	33.45	7.80
07	22.96	13.90	35.02	33.45	7.40
08	26.24	13.90	35.58	33.70	5.70
09	29.52	13.90	35.58	33.70	5.70

DATE: MARCH 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	9.0	15.00	34.00	29.25	9.20
01	3.28	14.90	34.82	29.75	9.60
02	6.56	14.90	34.82	32.65	9.60
03	9.84	14.90	34.82	33.00	9.90
04	13.12	14.80	34.64	33.15	7.00
05	16.40	14.60	34.28	37.20	6.70
06	19.68	14.60	34.10	33.35	7.10
07	22.96	14.60	34.28	33.45	6.10
08	26.24	14.60	34.28	33.45	7.40
09	29.52	13.60	34.02	33.50	4.00

DATE: APRIL 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	9.0	16.10	34.34	30.45	7.10
01	3.28	14.90	34.84	33.15	5.70
02	6.56	14.80	34.84	33.60	5.90
03	9.84	14.80	34.84	33.60	6.80
04	13.12	14.70	34.66	33.70	6.40
05	16.40	14.70	34.44	33.70	6.00
06	19.68	14.70	34.44	33.70	5.00
07	22.96	14.70	34.44	33.70	5.30
08	26.24	14.70	34.44	33.65	4.30

DATE: MAY 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	9.0	16.10	34.54	-1.00	8.50
01	3.28	17.10	62.75	-1.00	8.50
02	6.56	16.40	61.84	-1.00	9.60
03	9.84	16.10	60.94	-1.00	9.40
04	13.12	15.90	61.42	-1.00	9.70
05	16.40	16.50	60.44	-1.00	9.60
06	19.68	15.80	59.90	-1.00	8.90
07	22.96	15.30	59.54	-1.00	8.90
08	26.24	15.30	59.54	-1.00	7.50

DATE: JUNE 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	9.0	17.00	63.67	27.60	5.00
01	3.28	17.50	63.50	24.90	7.70
02	6.56	17.20	62.96	24.50	7.90
03	9.84	17.00	62.60	24.70	7.10
04	13.12	16.90	62.24	24.60	6.40
05	16.40	16.20	61.16	24.70	5.70
06	19.68	16.00	60.40	24.70	5.70
07	22.96	16.30	59.54	24.70	2.90

MISSING DATA VALUE IS -1.0

* POSSIBLE PROBE MALFUNCTION

DATE: JULY 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °E	SALINITY ‰ PPT	D.O. PPM H.I.ON CONC	PH	TURBIDITY %
00 0.0	22.70	32.40	50.70	-1.00	-1.00
01 3.20	21.80	31.24	32.20	-1.00	-1.00
02 6.56	21.10	30.96	31.90	-1.00	-1.00
03 9.84	20.40	30.64	32.40	-1.00	-1.00
04 13.12	20.40	30.62	32.60	-1.00	-1.00
05 16.40	20.00	30.60	32.70	-1.00	-1.00
06 19.68	19.40	30.52	32.90	-1.00	-1.00
07 22.96	18.90	30.42	32.80	-1.00	-1.00
08 26.24	17.30	30.14	33.10	-1.00	-1.00
09 29.52	16.20	31.14	33.30	-1.00	-1.00
10 32.80	15.40	30.72	33.60	-1.00	-1.00

DATE: AUGUST 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °E	SALINITY ‰ PPT	D.O. PPM H.I.ON CONC	PH	TURBIDITY %
00 0.0	19.30	30.74	30.70	6.50	-1.00
01 3.20	19.30	30.74	32.00	6.20	-1.00
02 6.56	19.10	30.58	32.10	7.00	-1.00
03 9.84	19.00	30.20	32.20	6.90	-1.00
04 13.12	18.70	30.66	32.20	6.30	-1.00
05 16.40	18.20	30.76	32.30	1.40	-1.00
06 19.68	17.50	30.50	32.60	1.00	-1.00
07 22.96	16.90	30.42	32.50	1.30	-1.00
08 26.24	16.50	31.70	32.70	1.90	-1.00
09 29.52	16.30	31.34	32.60	2.10	-1.00
10 32.80	16.30	31.34	32.60	2.20	-1.00

DATE: SEPTEMBER 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °E	SALINITY ‰ PPT	D.O. PPM H.I.ON CONC	PH	TURBIDITY %
00 0.0	19.40	30.92	32.90	6.80	-1.00
01 3.20	19.80	30.64	32.80	6.80	-1.00
02 6.56	19.40	30.52	33.10	7.00	-1.00
03 9.84	19.80	30.64	33.30	7.00	-1.00
04 13.12	19.80	30.28	33.30	6.80	-1.00
05 16.40	19.40	30.92	33.30	6.80	-1.00
06 19.68	19.40	30.92	33.30	6.80	-1.00
07 22.96	18.40	30.12	33.70	3.00	-1.00
08 26.24	17.80	30.04	34.50	1.00	-1.00
09 29.52	16.90	30.24	34.30	0.50	-1.00
10 32.80	16.40	31.52	34.00	0.20	-1.00

DATE: OCTOBER 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °E	SALINITY ‰ PPT	D.O. PPM H.I.ON CONC	PH	TURBIDITY %
00 0.0	14.80	30.64	31.25	7.90	8.00
01 3.20	14.40	30.62	31.50	8.80	8.11
02 6.56	15.40	30.72	32.15	9.30	7.85
03 9.84	15.50	30.90	32.35	9.10	8.11
04 13.12	15.60	30.38	32.00	8.40	8.11
05 16.40	15.40	30.72	33.10	7.40	8.06
06 19.68	15.20	30.54	33.35	6.70	7.00
07 22.96	15.20	30.20	33.55	5.60	7.40
08 26.24	15.20	30.20	33.56	4.00	8.05
09 29.52	15.00	30.80	33.70	6.00	8.03
10 32.80	14.80	30.64	33.70	7.60	8.00
11 36.08	14.70	30.46	33.70	7.10	8.04

DATE: NOVEMBER 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

DEPTH METERS FEET	TEMPERATURE °C °E	SALINITY ‰ PPT	D.O. PPM H.I.ON CONC	PH	TURBIDITY %
00 0.0	14.30	30.74	32.30	6.50	9.15
01 3.20	14.30	30.74	32.00	7.90	8.42
02 6.56	14.90	30.82	32.30	8.70	8.48
03 9.84	14.90	30.82	32.50	9.20	8.52
04 13.12	14.90	30.82	32.50	9.20	8.48
05 16.40	14.70	30.82	32.50	8.90	8.52
06 19.68	14.70	30.82	32.50	8.90	8.48
07 22.96	14.70	30.82	32.60	6.80	8.39
08 26.24	14.70	30.82	32.70	4.40	8.28
09 29.52	14.60	30.28	33.70	3.10	8.20

DATE: SEPTEMBER 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

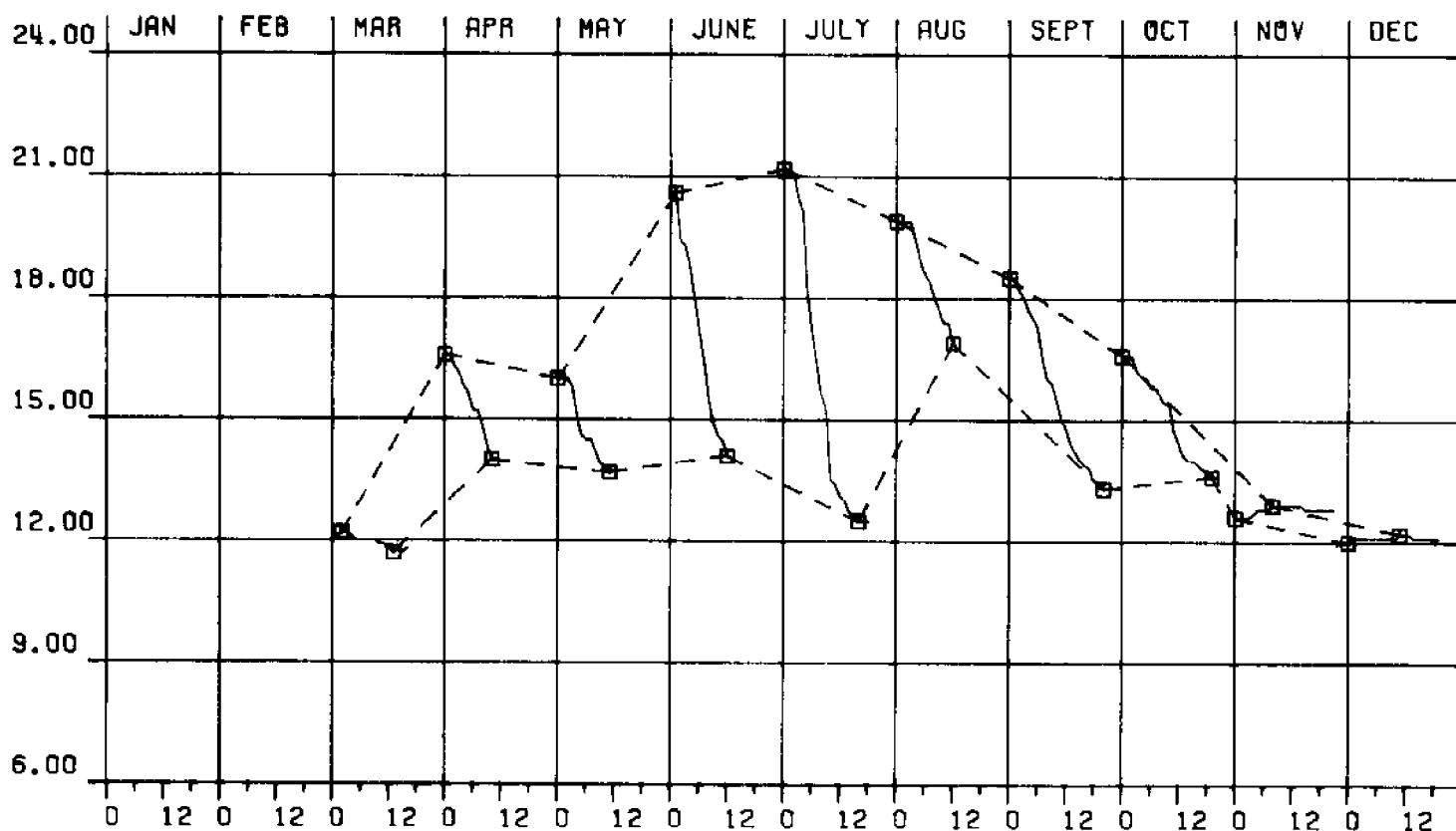
DATE: DECEMBER 1974

STATION: D2 500 YARDS NW OF QUEEN MARY

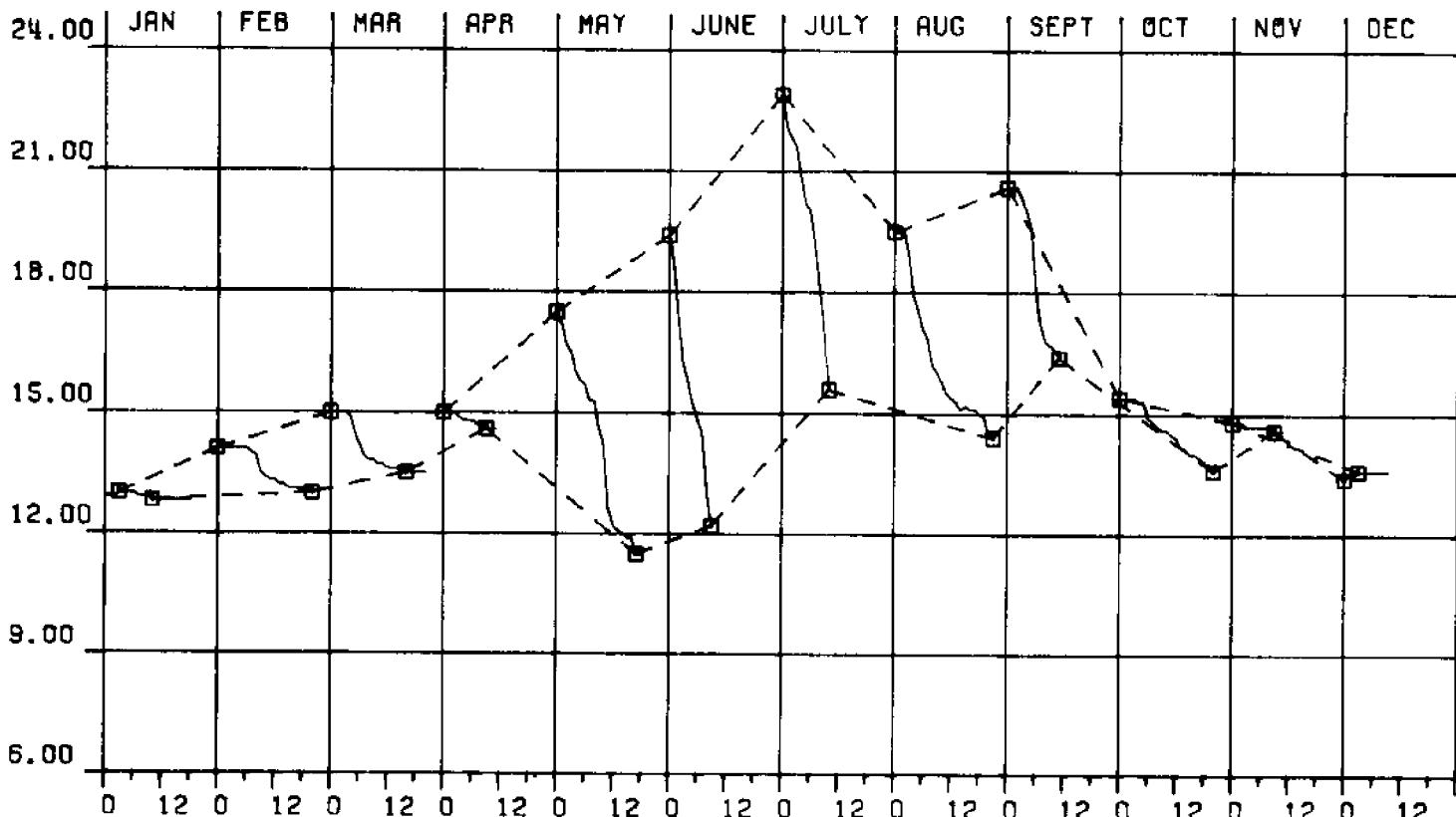
DEPTH METERS FEET	TEMPERATURE °C °E	SALINITY ‰ PPT	D.O. PPM H.I.ON CONC	PH	TURBIDITY %
00 0.0	13.30	30.54	33.10	6.30	8.20
01 3.20	13.30	30.54	33.20	6.20	8.22
02 6.56	13.30	30.54	33.30	6.20	8.23
03 9.84	13.10	30.54	33.40	6.10	8.24
04 13.12	13.10	30.54	33.40	6.00	8.24
05 16.40	13.10	30.54	33.50	6.00	8.24
06 19.68	13.10	30.54	33.50	6.10	8.25
07 22.96	13.10	30.54	33.50	6.00	8.25
08 26.24	13.10	30.54	33.50	6.00	8.25
09 29.52	13.10	30.54	33.50	6.00	8.25
10 32.80	13.10	30.54	33.50	6.00	8.25

MISSING DATA VALUE IS -1.00

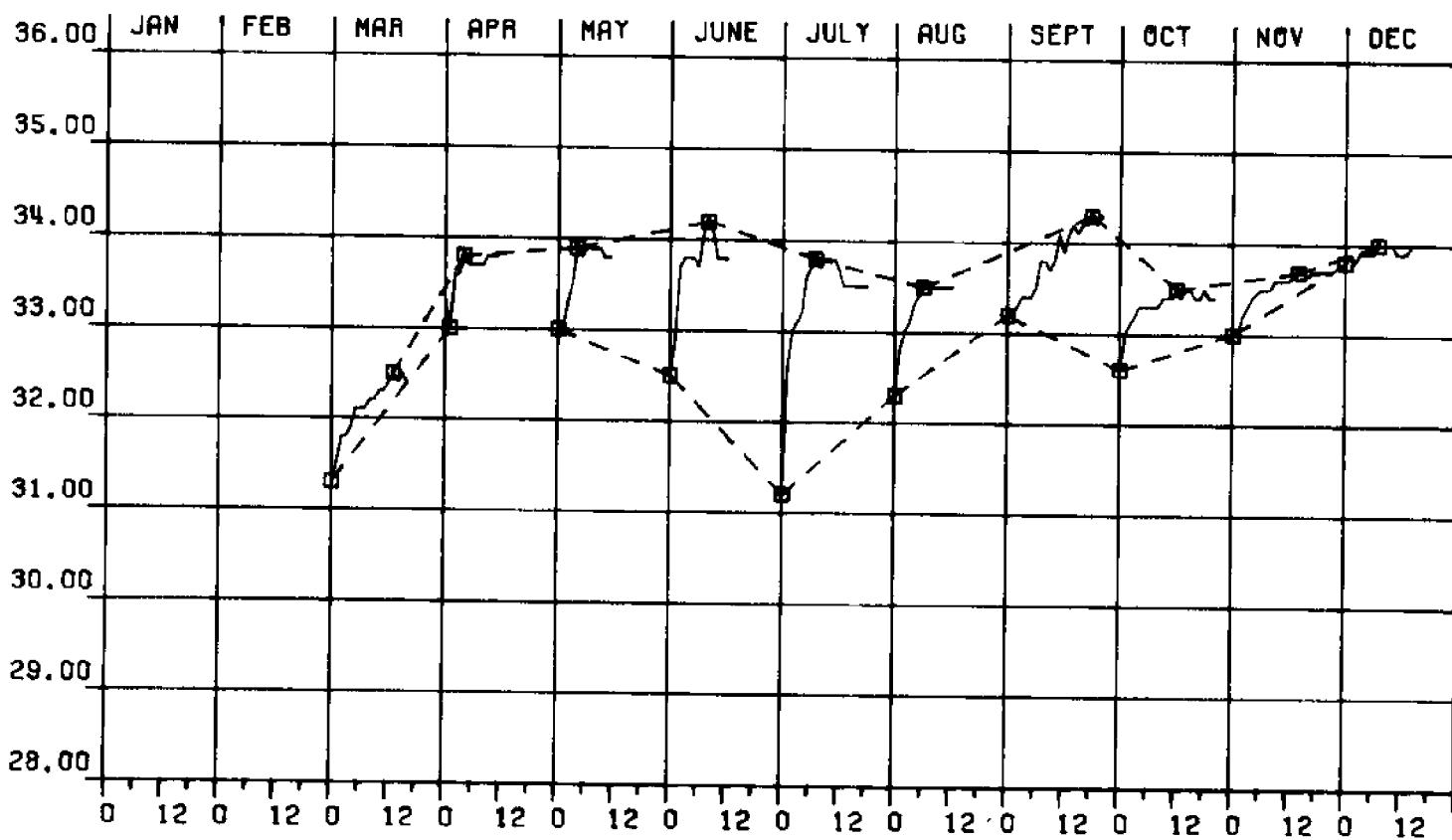
D3 600 YARDS S OF ISLAND GRISSOM
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



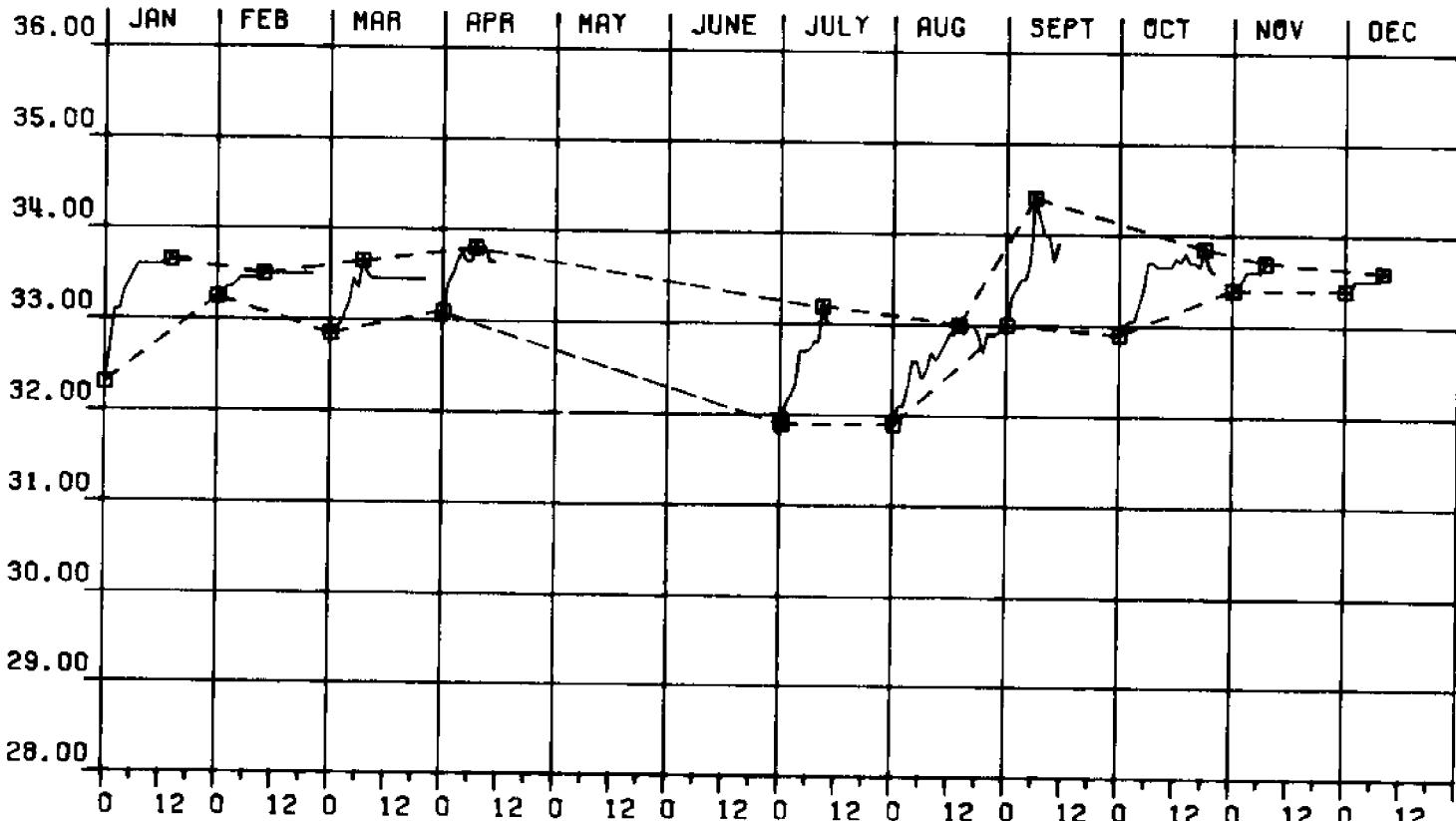
D3 600 YARDS S OF ISLAND GRISSOM
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



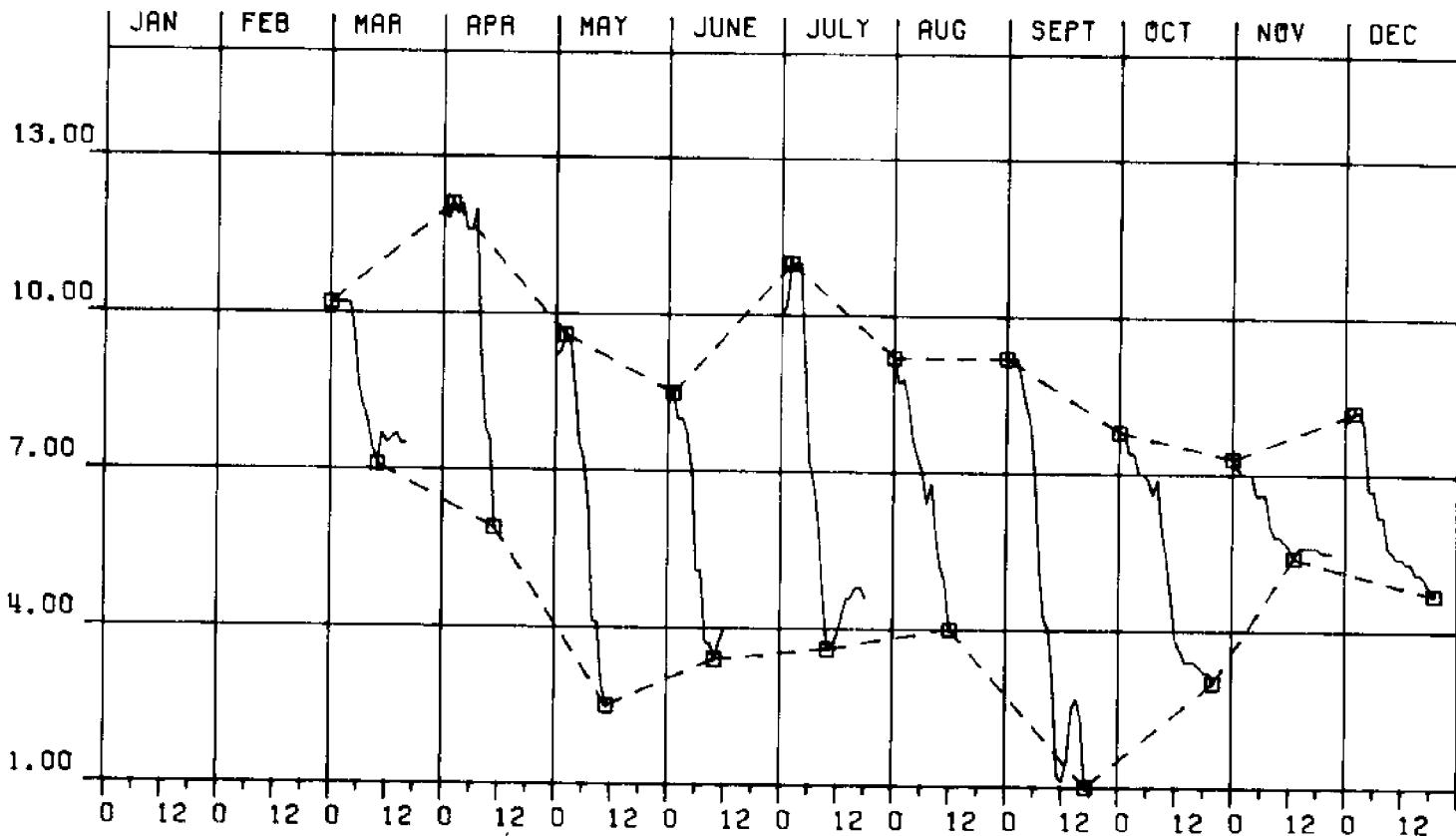
03 600 YARDS S OF ISLAND GRISSOM
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



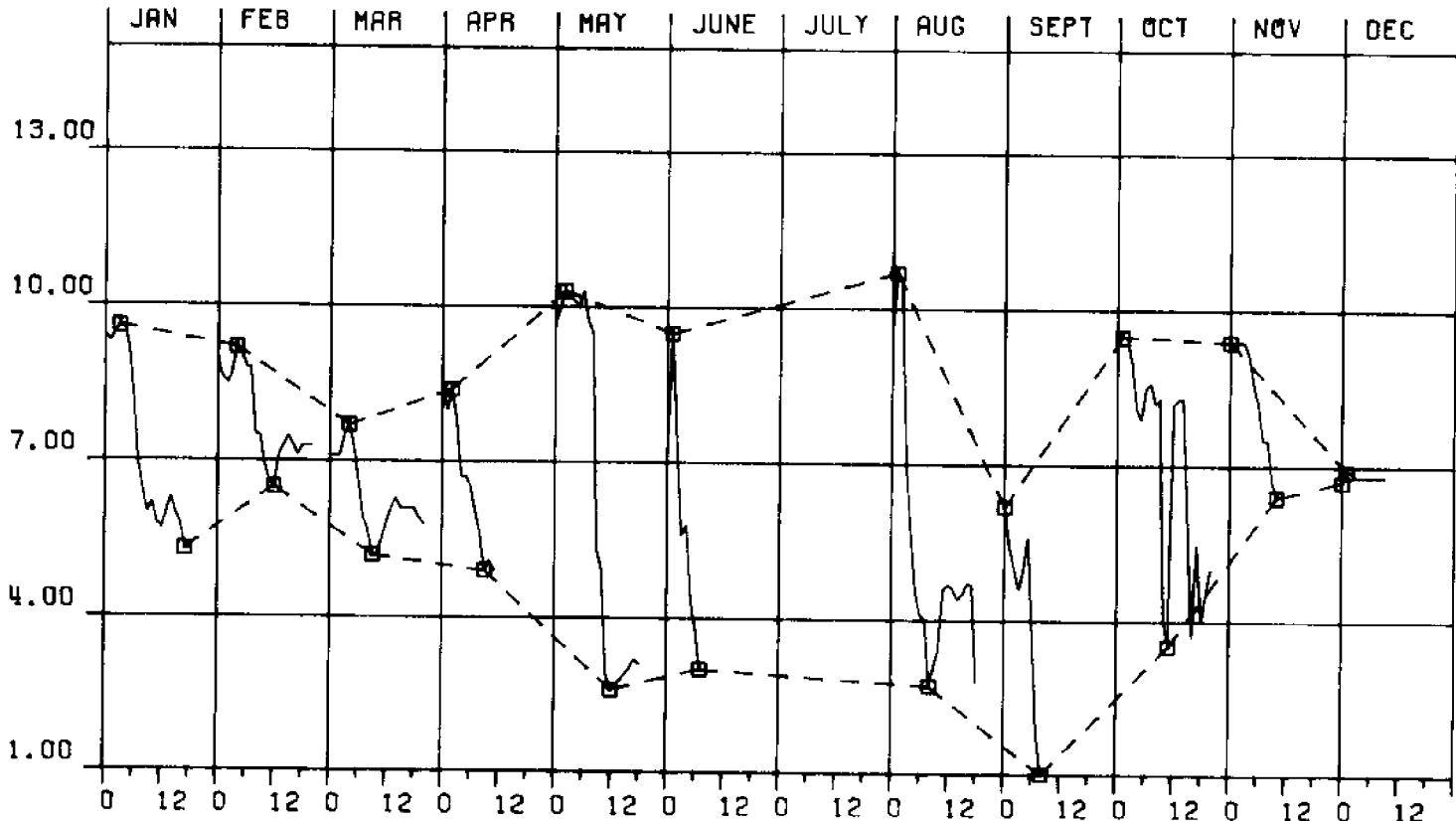
03 600 YARDS S OF ISLAND GRISSOM
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



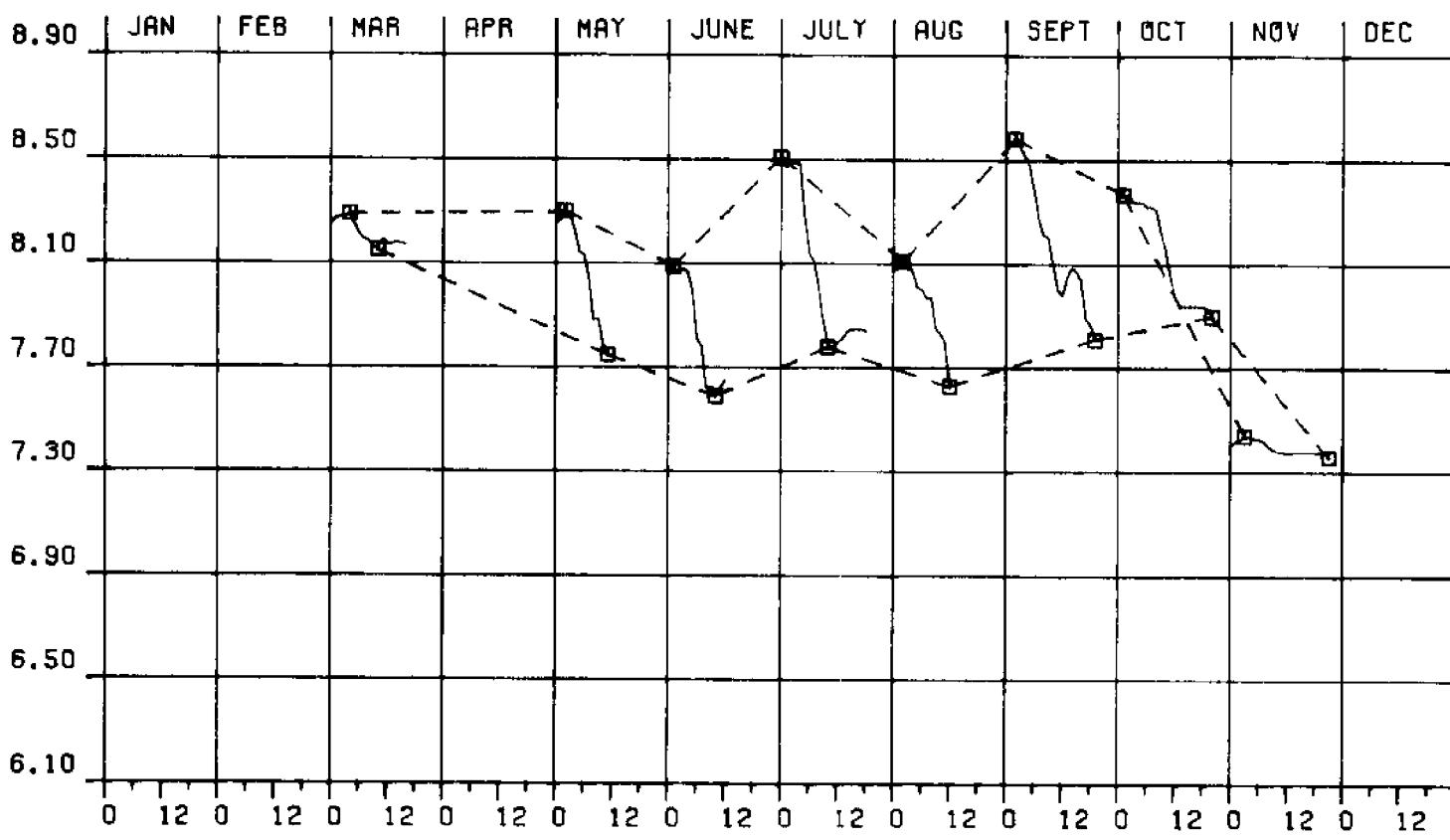
03 600 YARDS S OF ISLAND GRISSOM
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



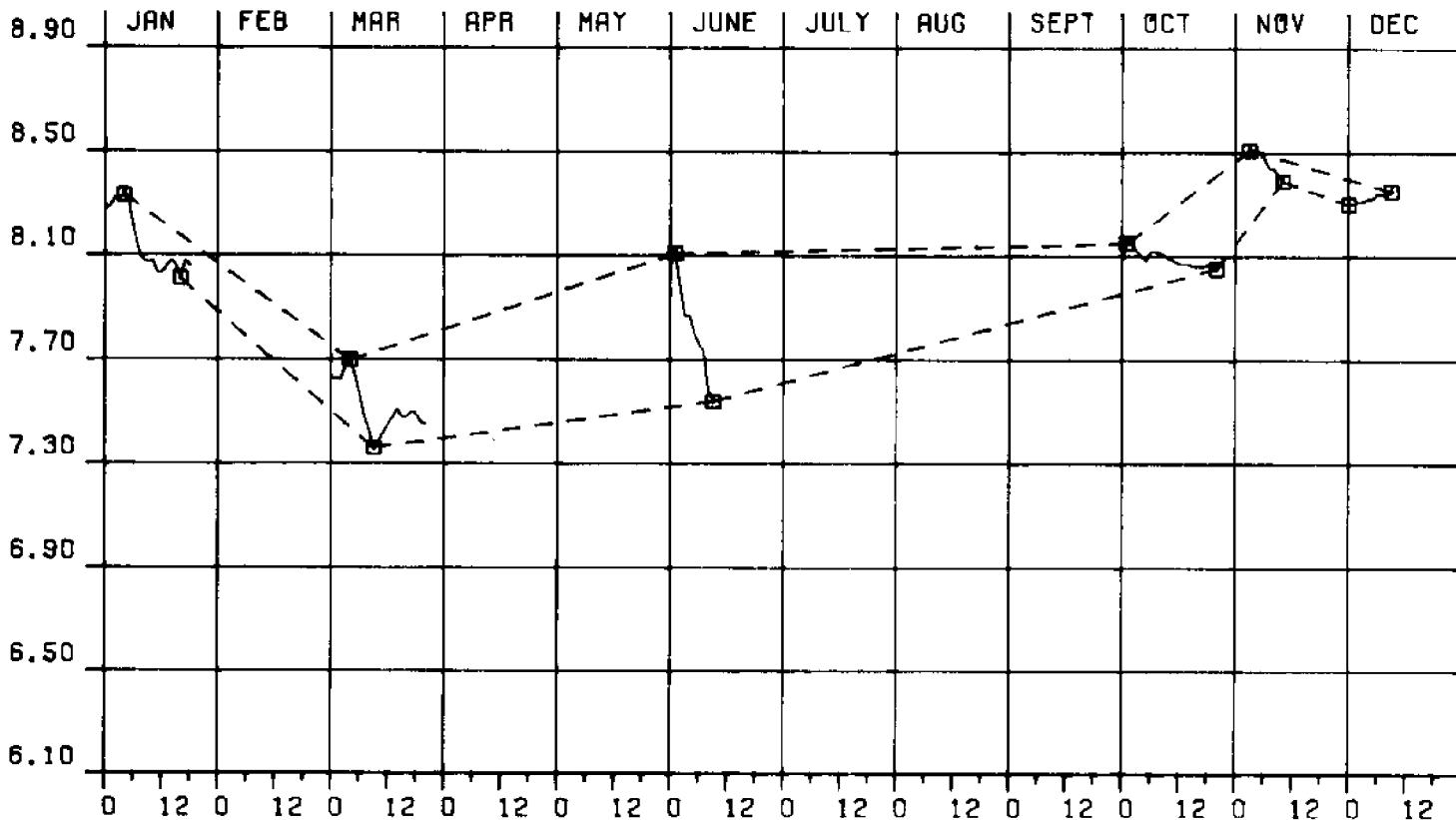
03 600 YARDS S OF ISLAND GRISSOM
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



03 600 YARDS S OF ISLAND GRISSOM
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



03 600 YARDS S OF ISLAND GRISSOM
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



MARCH 1971										JUNE 1973									
STATION: D3 600 YARDS S OF ISLAND GRISSOM										STATION: D3 600 YARDS S OF ISLAND GRISSOM									
DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY MICRON CONC	DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY MICRON CONC								
00	6.0	12.10	33.78	11.70	10.20	9.25	94.00	32.50	8.30	8.06	80.00								
01	3.24	12.10	33.77	11.65	10.20	9.27	94.00	32.50	8.30	8.09	80.00								
02	6.46	12.20	33.46	11.65	10.20	9.28	94.00	32.40	8.32	8.00	80.00								
03	9.64	12.20	33.46	11.60	10.20	9.28	94.00	32.70	8.00	8.08	80.00								
04	13.12	12.10	33.78	11.90	10.20	9.29	94.00	33.80	7.70	8.07	80.00								
05	16.40	12.00	33.60	12.10	9.70	9.25	94.00	34.40	7.00	8.00	80.00								
06	19.68	12.00	33.60	12.10	9.60	9.21	93.00	34.50	7.10	7.81	80.00								
07	22.96	12.00	33.60	12.10	9.60	9.19	93.00	34.10	7.10	7.78	78.00								
08	26.24	12.00	33.60	12.20	9.90	9.18	93.00	34.50	7.62	78.00									
09	29.52	12.00	33.60	12.20	9.40	9.18	93.00	34.50	7.60	78.00									
10	32.80	11.90	33.42	12.30	7.10	9.15	93.00	34.50	7.60	78.00									
11	36.08	11.90	33.42	12.30	7.70	9.19	-1.00	34.50	7.60	78.00									
12	39.36	11.90	33.24	12.40	7.50	9.17	-1.00	34.50	7.60	78.00									
13	42.64	11.70	33.06	12.50	7.60	9.17	-1.00	34.50	7.60	78.00									
14	45.92	11.60	33.24	12.40	7.70	9.18	-1.00	JULY 1973											
15	49.20	11.70	33.06	12.50	7.50	9.17	-1.00	STATION: D3 600 YARDS S OF ISLAND GRISSOM											
16	52.48	11.60	33.24	12.40	7.50	9.17	-1.00	DEPTH FEET	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY MICRON CONC						
APRIL 1973										00	6.0	21.20	30.16	31.25	10.00	8.51	-1.00		
STATION: D3 600 YARDS S OF ISLAND GRISSOM										01	3.28	21.00	30.46	32.60	10.20	8.57	-1.00		
MAY 1973										02	6.46	21.10	30.98	33.00	11.00	8.69	-1.00		
STATION: D3 600 YARDS S OF ISLAND GRISSOM										03	9.64	20.50	30.90	33.10	11.00	8.49	-1.00		
JUNE 1973										04	13.12	20.10	30.13	33.20	11.00	8.48	-1.00		
STATION: D3 600 YARDS S OF ISLAND GRISSOM										05	16.40	19.40	30.74	34.76	9.80	8.20	-1.00		
JULY 1973										06	19.68	17.20	32.94	33.73	7.20	9.14	-1.00		
STATION: D3 600 YARDS S OF ISLAND GRISSOM										07	22.96	16.40	31.50	31.52	6.80	9.11	-1.00		
AUGUST 1973										08	26.24	15.60	30.04	33.70	6.00	8.51	-1.00		
STATION: D3 600 YARDS S OF ISLAND GRISSOM										09	29.52	15.30	30.54	33.80	6.50	7.88	-1.00		
SEPTEMBER 1973										10	32.80	13.50	30.50	33.80	3.00	7.74	-1.00		
STATION: D3 600 YARDS S OF ISLAND GRISSOM										11	36.08	13.40	30.40	33.80	3.60	7.70	-1.00		
OCTOBER 1973										12	39.36	13.10	30.58	33.70	3.90	7.80	-1.00		
NOVEMBER 1973										13	42.64	11.00	30.40	33.50	4.20	7.31	-1.00		
DECEMBER 1973										14	45.92	12.70	30.86	33.50	4.60	7.84	-1.00		
STATION: D3 600 YARDS S OF ISLAND GRISSOM										15	49.20	12.60	30.68	34.50	4.50	7.85	-1.00		
JANUARY 1974										16	52.48	12.50	30.50	34.50	4.80	7.85	-1.00		
FEBRUARY 1974										17	56.76	12.50	30.50	34.50	4.80	7.85	-1.00		
MARCH 1974										18	59.04	12.50	30.50	34.50	4.80	7.84	-1.00		
APRIL 1974										MAY 1974									
STATION: D3 600 YARDS S OF ISLAND GRISSOM										00	6.0	16.00	31.30	31.20	10.00	8.51	-1.00		
JUNE 1974										01	3.24	16.00	31.30	31.20	10.20	8.57	-1.00		
JULY 1974										02	6.46	21.10	30.13	33.20	11.00	8.69	-1.00		
AUGUST 1974										03	9.64	20.50	30.54	33.80	9.70	8.10	-1.00		
SEPTEMBER 1974										04	13.12	19.10	30.14	33.60	9.10	8.11	-1.00		
OCTOBER 1974										05	16.40	18.60	30.40	33.60	8.80	8.10	-1.00		
NOVEMBER 1974										06	19.68	18.60	30.40	33.60	8.80	8.10	-1.00		
DECEMBER 1974										07	22.96	18.60	30.40	33.60	8.80	8.10	-1.00		
JANUARY 1975										08	26.24	18.60	30.40	33.60	8.80	8.10	-1.00		
FEBRUARY 1975										09	29.52	18.60	30.40	33.60	8.80	8.10	-1.00		
MARCH 1975										10	32.80	18.60	30.40	33.60	8.80	8.10	-1.00		
APRIL 1975										11	36.08	18.60	30.40	33.60	8.80	8.10	-1.00		
MAY 1975										12	39.36	18.60	30.40	33.60	8.80	8.10	-1.00		
JUNE 1975										13	42.64	18.60	30.40	33.60	8.80	8.10	-1.00		
JULY 1975										14	45.92	18.60	30.40	33.60	8.80	8.10	-1.00		
AUGUST 1975										15	49.20	18.60	30.40	33.60	8.80	8.10	-1.00		
SEPTEMBER 1975										16	52.48	18.60	30.40	33.60	8.80	8.10	-1.00		
OCTOBER 1975										17	56.76	18.60	30.40	33.60	8.80	8.10	-1.00		
NOVEMBER 1975										18	60.04	18.60	30.40	33.60	8.80	8.10	-1.00		
DECEMBER 1975										JANUARY 1976									
STATION: D3 600 YARDS S OF ISLAND GRISSOM										00	6.0	19.30	31.30	31.30	9.20	9.08	-1.00		
FEBRUARY 1976										01	3.24	19.30	31.30	31.30	9.20	9.08	-1.00		
MARCH 1976										02	6.46	19.30	31.30	31.30	9.20	9.11	-1.00		
APRIL 1976										03	9.64	19.30	31.30	31.30	9.20	9.10	-1.00		
MAY 1976										04	13.12	19.30	31.30	31.30	9.20	9.12	-1.00		
JUNE 1976										05	16.40	19.30	31.30	31.30	9.20	9.00	-1.00		
JULY 1976										06	19.68	19.30	31.30	31.30	9.20	9.00	-1.00		
AUGUST 1976										07	22.96	19.30	31.30	31.30	9.20	9.00	-1.00		

DATE: SEPTEMBER 1973

STATION: D3 600 YARDS S OF ISLAND GRISSON

DEPTH METERS FEET	TEMPERATURE C F	SALINITY P/800	D.O2 PPM	PH H.ION CONC	TURBIDITY %		
00	0.0	16.50	65.30	33.20	9.20	8.56	87.00
01	3.28	16.50	65.30	33.20	9.20	8.57	81.00
02	6.56	16.20	64.76	33.30	9.20	8.58	77.00
03	9.84	16.00	64.40	33.40	9.00	8.55	79.00
04	13.12	17.70	63.86	33.40	8.30	8.51	81.00
05	16.40	17.50	63.50	33.40	8.00	8.48	81.00
06	19.68	17.30	63.14	33.50	7.00	8.38	81.20
07	22.96	16.50	61.70	33.80	5.20	8.27	81.50
08	26.24	16.00	60.80	33.80	4.20	8.21	81.00
09	29.52	15.90	60.62	33.70	4.00	8.20	82.00
10	32.80	15.50	59.90	33.80	3.00	8.10	77.50
11	36.08	15.00	59.00	34.10	1.20	8.00	79.50
12	39.36	14.80	58.64	33.90	1.10	7.98	83.00
13	42.64	14.40	57.92	34.10	1.50	8.05	57.00
14	45.92	14.20	57.56	34.20	2.50	8.09	53.00
15	49.20	14.00	57.20	34.10	2.70	8.07	68.00
16	52.48	13.90	57.02	34.20	2.30	8.04	69.50
17	55.76	13.80	56.84	34.20	1.00	7.89	72.00
18	59.04	13.50	55.30	34.30	0.20	7.87	71.00
19	62.32	13.50	56.30	34.20	0.0	7.81	73.50
20	65.60	13.30	55.94	34.30	0.0	7.81	73.00

DATE: NOVEMBER 1973

STATION: D3 600 YARDS S OF ISLAND GRISSON

DEPTH METERS FEET	TEMPERATURE C F	SALINITY P/800	D.O2 PPM	PH H.ION CONC	TURBIDITY %		
00	0.0	12.60	54.68	33.00	7.30	7.40	73.50
01	3.24	12.60	54.68	33.00	7.10	7.42	79.00
02	6.56	12.60	54.68	33.20	7.00	7.43	80.00
03	9.84	12.60	54.68	33.30	7.00	7.44	80.50
04	13.12	12.70	54.86	33.40	7.00	7.44	82.00
05	16.40	12.80	55.04	33.45	6.60	7.43	82.00
06	19.68	12.80	55.04	33.50	6.60	7.43	81.50
07	22.96	12.80	55.04	33.50	6.60	7.42	81.00
08	26.24	12.90	55.22	33.50	6.00	7.40	79.00
09	29.52	12.90	55.22	33.60	5.80	7.39	78.00
10	32.80	12.90	55.22	33.60	5.80	7.38	74.50
11	36.08	12.90	55.22	33.60	5.70	7.38	72.00
12	39.36	12.90	55.22	33.60	5.60	7.37	71.50
13	42.64	12.90	55.22	33.65	5.40	7.38	70.00
14	45.92	12.90	55.22	33.70	5.60	7.38	68.50
15	49.20	12.80	55.04	33.70	5.60	7.38	68.50
16	52.48	12.80	55.04	33.65	5.60	7.38	68.00
17	55.76	12.80	55.04	33.70	5.60	7.38	68.00
18	59.04	12.80	55.04	33.70	5.60	7.38	68.50
19	62.32	12.80	55.04	33.70	5.50	7.38	68.00
20	65.60	12.80	55.04	33.70	5.50	7.38	68.00
21	68.88	12.80	55.04	33.70	5.50	7.36	-1.00

DATE: OCTOBER 1973

STATION: D3 600 YARDS S OF ISLAND GRISSON

DEPTH METERS FEET	TEMPERATURE C F	SALINITY P/800	D.O2 PPM	PH H.ION CONC	TURBIDITY %		
00	0.0	16.50	61.88	32.60	7.80	8.36	72.00
01	3.28	16.50	61.88	33.00	7.80	8.37	73.00
02	6.56	16.50	61.88	33.10	7.40	8.37	74.00
03	9.84	16.20	61.16	33.20	7.40	8.34	76.00
04	13.12	16.10	60.98	33.30	7.00	8.34	78.00
05	16.40	16.00	60.80	33.30	7.00	8.34	77.50
06	19.68	15.80	60.44	33.30	6.90	8.32	77.00
07	22.96	15.80	60.44	33.30	6.90	8.32	76.50
08	26.24	15.80	60.44	33.30	6.90	74.50	
09	29.52	15.40	59.72	33.40	6.90	8.22	78.00
10	32.80	15.40	59.72	33.40	5.40	8.10	78.00
11	36.08	14.70	58.46	33.40	4.60	8.06	65.00
12	39.36	14.40	57.92	33.50	3.80	7.98	78.00
13	42.64	14.10	57.38	33.40	3.80	7.94	47.00
14	45.92	14.00	57.20	33.50	3.40	7.94	53.00
15	49.20	14.00	57.20	33.50	3.40	7.94	54.00
16	52.48	13.90	57.02	33.40	3.40	7.94	57.00
17	55.76	13.80	56.84	33.40	3.30	7.94	59.00
18	59.04	13.70	56.66	33.50	3.20	7.94	66.00
19	62.32	13.60	56.48	33.40	3.20	7.93	70.00
20	65.60	13.60	56.48	33.40	3.00	7.90	71.00

DATE: DECEMBER 1973

STATION: D3 600 YARDS S OF ISLAND GRISSON

DEPTH METERS FEET	TEMPERATURE C F	SALINITY P/800	D.O2 PPM	PH H.ION CONC	TURBIDITY %		
00	0.0	12.00	53.60	33.80	8.00	-1.00	74.50
01	3.24	12.10	53.78	33.90	8.10	-1.00	75.00
02	6.56	12.10	53.78	33.80	8.20	-1.00	74.50
03	9.84	12.10	53.78	33.90	8.20	-1.00	74.50
04	13.12	12.10	53.78	33.90	7.90	-1.00	74.00
05	16.40	12.10	53.78	33.90	6.70	-1.00	74.00
06	19.68	12.10	53.78	33.90	6.70	-1.00	74.50
07	22.96	12.10	53.78	34.00	6.20	-1.00	77.50
08	26.24	12.10	53.78	34.00	6.20	-1.00	78.50
09	29.52	12.10	53.78	34.00	5.60	+1.00	73.50
10	32.80	12.10	53.78	34.00	5.50	+1.00	73.50
11	36.08	12.20	53.96	33.90	5.40	+1.00	68.00
12	39.36	12.20	53.96	33.90	5.40	+1.00	66.50
13	42.64	12.20	53.96	33.90	5.30	+1.00	66.50
14	45.92	12.10	53.78	34.00	5.30	+1.00	66.50
15	49.20	12.10	53.78	34.00	5.10	+1.00	65.50
16	52.48	12.10	53.78	34.00	5.10	+1.00	65.00
17	55.76	12.10	53.78	34.00	5.00	+1.00	65.00
18	59.04	12.10	53.78	34.00	4.80	+1.00	61.50
19	62.32	12.10	53.78	34.00	4.70	+1.00	61.00

MISSING DATA VALUE IS -1.0

MISSING DATA VALUE IS +1.0

DATE: JANUARY 1974

STATION: 03 600 YARDS S OF ISLAND GRISCOM

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	12.90	55.22	32.30	9.40	4.28
01	3.28	12.90	55.22	32.70	9.30	8.20
02	6.56	12.90	55.22	33.10	9.50	8.32
03	9.84	13.00	55.40	33.10	9.60	8.32
04	13.12	13.00	55.40	33.30	9.60	8.33
05	16.40	13.00	55.40	33.40	9.20	8.30
06	19.68	13.00	55.40	33.50	9.20	8.20
07	22.96	12.90	55.22	33.60	7.00	8.12
08	26.24	12.90	55.22	33.60	6.40	8.08
09	29.52	12.90	55.22	33.60	6.00	8.07
10	32.80	12.80	55.04	33.60	6.20	8.08
11	36.08	12.80	55.04	33.60	5.80	8.03
12	39.36	12.80	55.04	33.60	5.70	8.03
13	42.64	12.80	55.04	33.60	6.00	8.06
14	45.92	12.80	55.04	33.65	6.30	8.05
15	49.20	12.80	55.04	33.65	6.00	8.06
16	52.48	12.80	55.04	33.65	6.00	8.01
17	55.76	12.80	55.04	33.65	6.30	8.08
18	59.04	12.80	55.04	33.65	6.30	8.06

DATE: FEBRUARY 1974

STATION: 03 600 YARDS S OF ISLAND GRISCOM

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	14.10	57.38	33.25	8.90	-1.00
01	3.28	14.10	57.38	33.25	8.80	-1.00
02	6.56	14.10	57.38	33.35	8.50	-1.00
03	9.84	14.10	57.38	33.35	8.70	-1.00
04	13.12	14.10	57.38	33.40	9.20	-1.00
05	16.40	14.10	57.38	33.45	9.10	-1.00
06	19.68	14.10	57.38	33.45	8.80	-1.00
07	22.96	14.00	57.20	33.45	8.80	-1.00
08	26.24	13.90	57.02	33.45	7.60	-1.00
09	29.52	13.80	56.30	33.45	7.50	-1.00
10	32.80	13.80	56.12	33.50	6.90	-1.00
11	36.08	13.80	55.94	33.50	6.60	-1.00
12	39.36	13.80	55.94	33.50	6.50	-1.00
13	42.64	13.80	55.76	33.50	7.10	-1.00
14	45.92	13.80	55.76	33.50	7.30	-1.00
15	49.20	13.80	55.58	33.50	7.50	-1.00
16	52.48	13.80	55.58	33.50	7.30	-1.00
17	55.76	13.80	55.58	33.50	7.10	-1.00
18	59.04	13.80	55.58	33.50	7.30	-1.00
19	62.32	13.80	55.58	33.50	7.30	-1.00
20	65.60	13.80	55.40	33.50	7.30	-1.00

DATE: MARCH 1974

STATION: 03 600 YARDS S OF ISLAND GRISCOM

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	15.00	59.00	32.85	7.10	7.63
01	3.28	15.00	59.00	32.85	7.10	7.63
02	6.56	15.00	59.00	32.95	7.10	7.63
03	9.84	15.00	59.00	33.05	7.50	7.65
04	13.12	14.90	58.82	33.20	7.70	7.70
05	16.40	14.50	58.10	33.45	7.30	7.64
06	19.68	14.20	57.56	33.35	6.70	7.57
07	22.96	13.90	57.02	33.35	6.90	7.48
08	26.24	13.80	54.84	33.50	6.70	7.43
09	29.52	13.80	56.84	33.45	6.20	7.36
10	32.80	13.70	56.86	33.45	5.20	7.38
11	36.08	13.70	56.86	33.45	5.50	7.42
12	39.36	13.60	56.48	33.45	5.80	7.45
13	42.64	13.60	56.48	33.45	6.10	7.48
14	45.92	13.60	56.48	33.45	6.30	7.51
15	49.20	13.60	56.48	33.45	6.10	7.48
16	52.48	13.50	56.30	33.45	6.10	7.48
17	55.76	13.50	56.30	33.45	6.10	7.50
18	59.04	13.50	56.30	33.45	6.10	7.49
19	62.32	13.50	56.30	33.45	5.90	7.46
20	65.60	13.50	56.30	33.45	5.80	7.45

DATE: APRIL 1974

STATION: 03 600 YARDS S OF ISLAND GRISCOM

DEPTH METERS	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	15.00	59.00	33.10	8.30	-1.00
01	3.28	15.00	59.00	33.40	8.00	-1.00
02	6.56	15.00	59.00	33.50	8.40	-1.00
03	9.84	14.90	58.82	33.65	7.70	-1.00
04	13.12	14.80	58.64	33.75	8.70	-1.00
05	16.40	14.80	58.64	33.65	8.70	-1.00
06	19.68	14.80	58.64	33.65	8.50	-1.00
07	22.96	14.70	58.46	33.80	8.00	-1.00
08	26.24	14.70	58.46	33.80	8.60	-1.00
09	29.52	14.60	58.28	33.80	4.90	-1.00
10	32.80	14.60	58.28	33.65	5.10	-1.00
11	36.08	14.60	58.28	33.65	4.90	-1.00
12	39.36	14.60	58.28	33.65	4.90	-1.00
13	42.64	14.60	58.28	33.65	4.90	-1.00
14	45.92	14.60	58.28	33.65	4.90	-1.00
15	49.20	14.60	58.28	33.65	4.90	-1.00
16	52.48	14.50	58.50	7.50	-1.00	70.00
17	55.76	14.50	58.50	7.50	-1.00	72.50
18	59.04	14.50	58.50	7.50	-1.00	73.50
19	62.32	14.50	58.50	7.50	-1.00	77.00
20	65.60	14.50	58.50	7.50	-1.00	75.00
21	68.88	14.50	58.50	7.50	-1.00	68.50
22	72.16	14.50	58.50	7.50	-1.00	67.50
23	75.44	14.50	58.50	7.50	-1.00	51.50
24	78.72	14.50	58.50	7.50	-1.00	49.50
25	82.00	14.50	58.50	7.50	-1.00	49.50
26	85.28	14.50	58.50	7.50	-1.00	54.00
27	88.56	14.50	58.50	7.50	-1.00	46.00
28	91.84	14.50	58.50	7.50	-1.00	26.00

MISSING DATA VALUE IS -1.0

DATE: MAY 1974							DATE: JULY 1974								
STATION: D3 600 YARDS S OF ISLAND GRISSOM							STATION: D3 600 YARDS S OF ISLAND GRISSOM								
DEPTH MEETERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %	DEPTH MEETERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	17.50	63.90	-1.00	9.70	-1.00	67.50	00	0.0	22.90	73.22	31.90	-1.00	-1.00	50.00
01	3.28	17.20	62.96	-1.00	10.00	-1.00	73.50	01	3.28	22.10	71.78	32.10	-1.00	+1.00	52.50
02	6.56	16.70	62.06	-1.00	10.30	-1.00	78.00	02	6.56	21.80	71.24	32.20	-1.00	-1.00	67.00
03	9.84	16.50	61.70	-1.00	10.20	-1.00	80.50	03	9.84	21.60	70.88	32.30	-1.00	-1.00	76.00
04	13.12	16.00	60.80	-1.00	10.10	-1.00	81.00	04	13.12	20.40	69.44	32.70	-1.00	-1.00	78.00
05	16.40	15.80	60.44	-1.00	10.00	-1.00	80.50	05	16.40	20.20	68.36	32.70	-1.00	-1.00	82.50
06	19.68	15.70	60.26	-1.00	10.30	-1.00	83.00	06	19.68	20.00	68.00	32.70	-1.00	-1.00	83.00
07	22.96	15.30	59.54	-1.00	9.70	-1.00	82.00	07	22.96	19.20	66.56	32.80	-1.00	-1.00	81.50
08	26.24	15.30	59.54	-1.00	9.60	-1.00	77.50	08	26.24	18.10	64.58	32.80	-1.00	-1.00	78.00
09	29.52	14.60	58.26	-1.00	9.30	-1.00	55.00	09	29.52	17.00	62.60	33.20	-1.00	-1.00	65.00
10	32.80	14.20	57.56	-1.00	4.90	-1.00	31.50	10	32.80	15.60	60.08	33.00	-1.00	-1.00	28.00
11	36.08	12.60	54.68	-1.00	2.90	-1.00	41.50								
12	39.36	12.20	53.96	-1.00	2.60	-1.00	52.50								
13	42.64	12.10	53.78	-1.00	2.70	-1.00	55.50								
14	45.92	12.00	53.60	-1.00	2.80	-1.00	60.50								
15	49.20	11.90	53.42	-1.00	2.90	-1.00	66.00								
16	52.48	11.90	53.42	-1.00	3.00	-1.00	67.50								
17	55.76	11.50	52.70	-1.00	3.20	-1.00	60.00								
18	59.04	11.50	52.70	-1.00	3.10	-1.00	-1.00								
DATE: JUNE 1974							DATE: AUGUST 1974								
STATION: D3 600 YARDS S OF ISLAND GRISSOM							STATION: D3 600 YARDS S OF ISLAND GRISSOM								
DEPTH MEETERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %	DEPTH MEETERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	19.40	66.92	26.50	7.20	8.07	71.00	00	0.0	19.50	67.10	31.90	9.70	-1.00	32.00
01	3.28	18.70	65.66	26.30	9.50	8.11	77.00	01	3.28	19.50	67.10	32.10	10.70	-1.00	34.00
02	6.56	17.20	62.96	28.70	7.30	7.98	78.50	02	6.56	19.50	67.10	32.10	10.50	-1.00	37.50
03	9.84	16.20	61.18	29.00	5.60	7.87	78.50	03	9.84	18.90	66.02	32.30	7.92	-1.00	65.50
04	13.12	15.70	60.26	29.00	5.80	7.87	77.50	04	13.12	17.90	64.22	32.60	9.70	-1.00	71.50
05	16.40	15.20	59.36	29.20	4.40	7.80	80.00	05	16.40	17.50	63.50	32.60	4.50	-1.00	67.50
06	19.68	14.80	58.04	29.00	3.80	7.76	76.00	06	19.68	17.10	62.78	32.60	4.10	-1.00	62.50
07	22.96	14.50	56.10	29.10	3.00	7.73	78.50	07	22.96	16.80	62.24	32.50	4.00	-1.00	74.00
08	26.24	13.00	55.40	29.40	0.50	7.58	78.00	08	26.24	16.20	61.16	32.70	2.70	-1.00	58.50
09	29.52	12.20	53.96	29.40	0.0	7.54	84.00	09	29.52	16.00	60.80	32.60	3.10	-1.00	51.00
* Possible probe malfunction							MISSING DATA VALUE IS -1.0								
MISSING DATA VALUE IS -1.0							MISSING DATA VALUE IS -1.0								

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1974

STATION: 03 600 YARDS S OF ISLAND GRISSEK

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY X
FEET					
00	6.0	20.80	33.00	6.20	-1.00
01	36.28	20.40	33.00	6.40	-1.00
02	6.56	20.60	33.00	5.80	-1.00
03	6.84	20.70	33.00	5.60	-1.00
04	13.12	20.00	33.00	5.00	-1.00
05	16.40	19.80	33.00	5.60	-1.00
06	19.68	19.10	34.00	5.60	-1.00
07	22.96	17.20	34.00	5.80	-1.00
08	26.24	16.80	34.00	5.00	-1.00
09	29.52	16.70	34.00	5.00	-1.00
10	32.80	16.60	34.00	5.00	-1.00
11	36.08	16.40	34.00	5.00	-1.00

DATE: NOVEMBER 1974

STATION: 03 400 YARDS S OF ISLAND GRISSEK

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY X
FEET					
00	0.0	14.80	33.64	7.20	8.40
01	3-28	14.80	33.64	9.40	8.50
02	6-56	14.80	33.64	9.40	8.50
03	9-84	14.70	33.64	9.40	8.51
04	13-12	14.70	33.64	9.10	8.51
05	16-40	14.70	33.64	9.00	8.50
06	19-68	14.70	33.64	9.00	8.50
07	22-96	14.70	33.64	7.50	8.44
08	26-24	14.70	33.64	7.50	8.44
09	29-52	14.60	33.64	9.70	8.41
10	32-80	14.60	33.64	9.40	8.40

DATE: OCTOBER 1974

STATION: 03 600 YARDS S OF ISLAND GRISSEK

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY X
FEET					
00	6.0	15.40	33.72	9.40	8.11
01	36.28	15.40	33.72	9.50	8.15
02	6.56	15.42	33.72	9.50	8.15
03	6.84	15.40	33.72	9.00	8.12
04	13.12	15.30	33.72	9.10	7.50
05	16.40	15.30	33.72	7.90	8.06
06	19.68	14.90	33.72	8.50	8.12
07	22.96	14.80	33.72	8.60	8.12
08	26.24	14.70	33.72	8.20	8.11
09	29.52	14.60	33.72	8.30	8.10
10	32.80	14.60	33.72	8.00	8.09
11	36.08	14.50	33.75	8.50	8.08
12	39.36	14.40	33.72	9.20	8.07
13	42.64	14.20	33.72	8.30	8.07
14	45.92	14.10	33.72	8.40	8.07
15	49.20	14.00	33.72	8.60	8.06
16	52.48	14.00	33.72	8.70	8.06
17	55.76	13.90	33.72	8.50	8.06
18	59.04	13.80	33.72	8.00	8.07
19	62.32	13.70	33.72	8.50	8.07
20	65.60	13.60	33.72	8.00	8.05

DATE: DECEMBER 1974

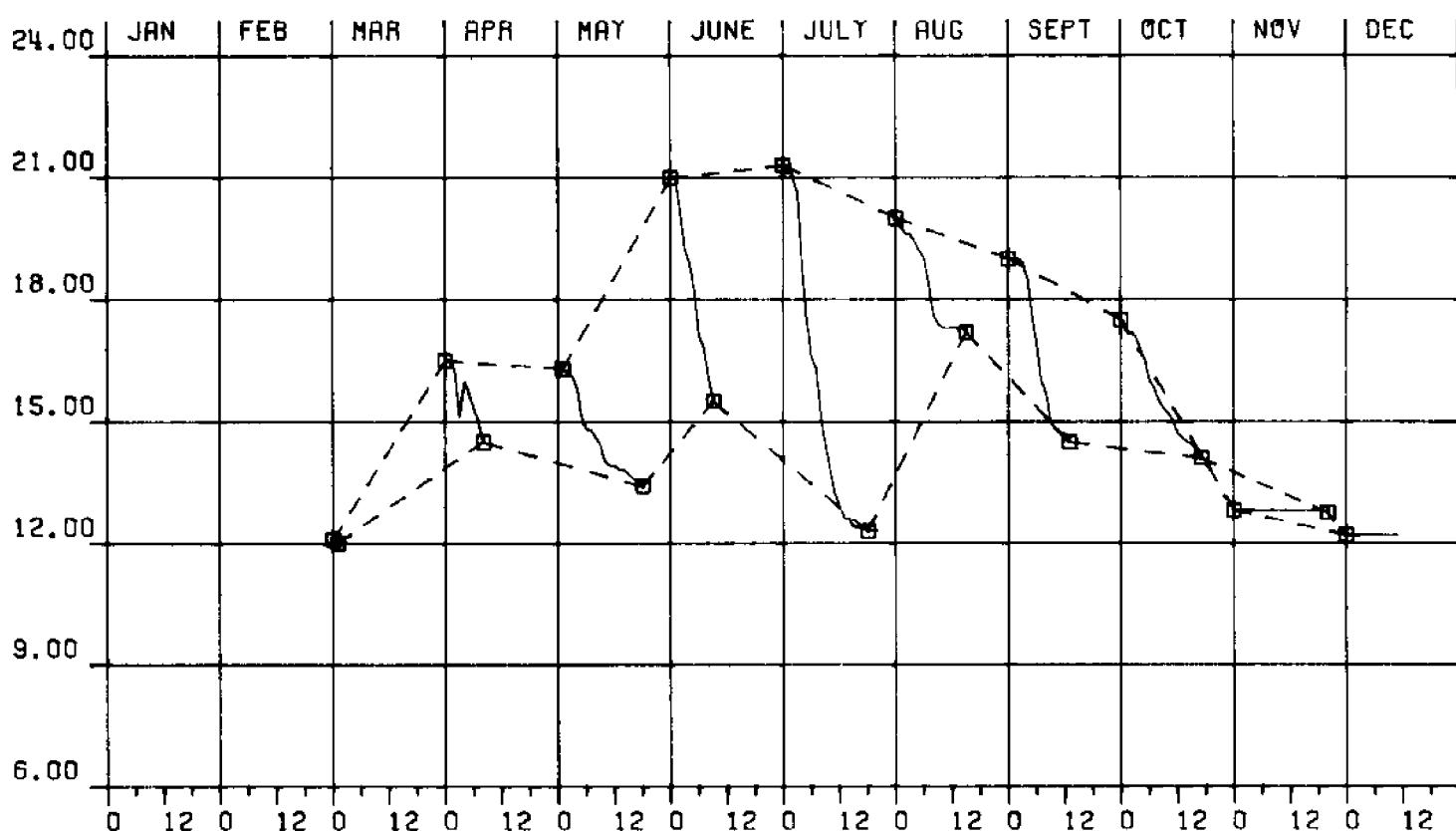
STATION: 03 500 YARDS S OF ISLAND GRISSEK

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY X
FEET					
00	0.0	13.40	33.12	7.70	8.30
01	16.28	13.50	33.30	9.40	8.30
02	6-56	13.50	33.30	7.50	8.31
03	9-84	13.60	33.48	9.50	8.31
04	13-12	13.60	33.48	9.50	8.32
05	16-40	13.60	33.48	9.80	8.32
06	19-68	13.60	33.48	9.80	8.32
07	22-96	13.60	33.48	9.80	8.34
08	26-24	13.60	33.48	9.80	8.34
09	29-52	13.60	33.48	9.80	8.34
10	32-80	13.60	33.48	9.80	8.34

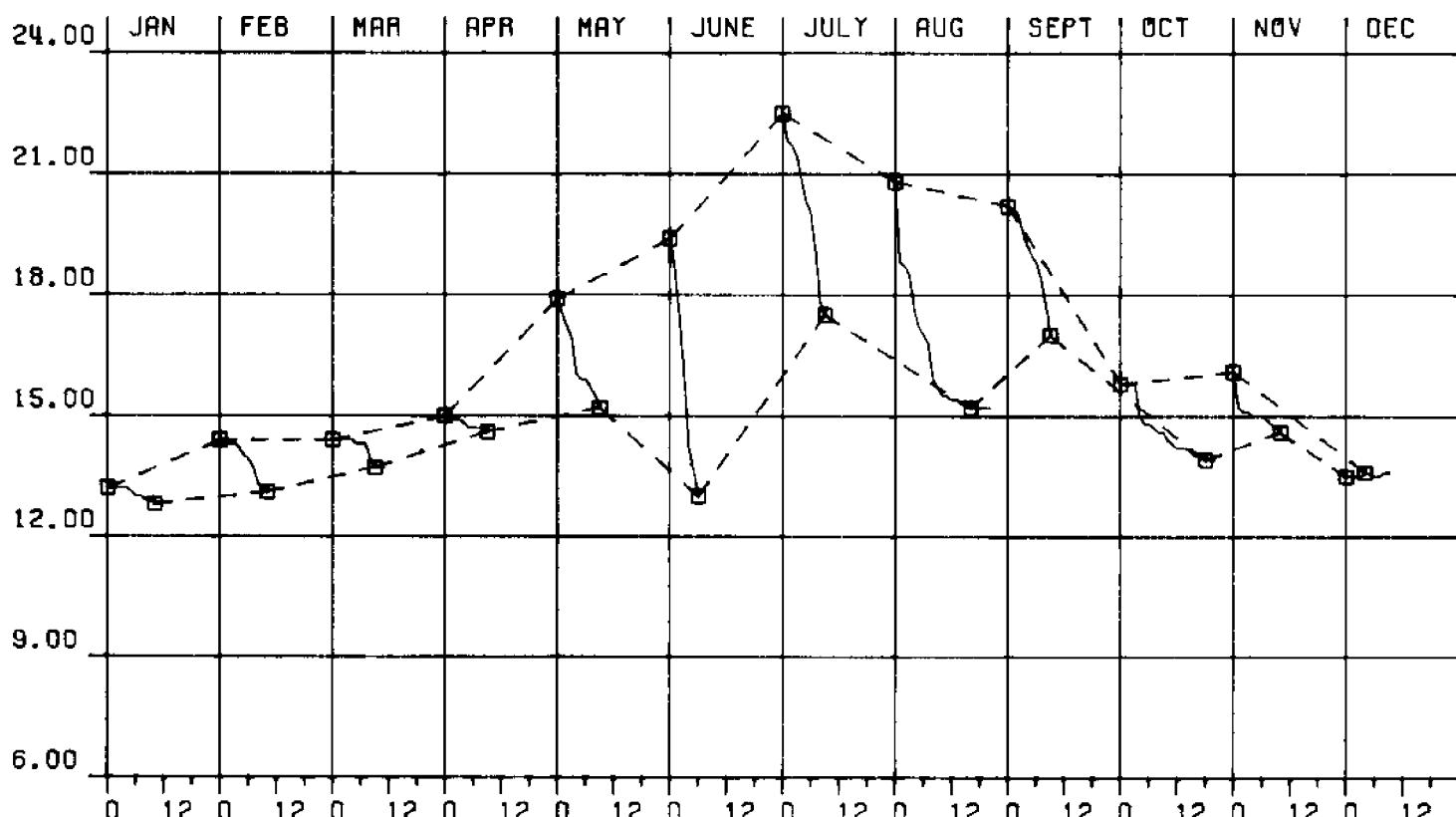
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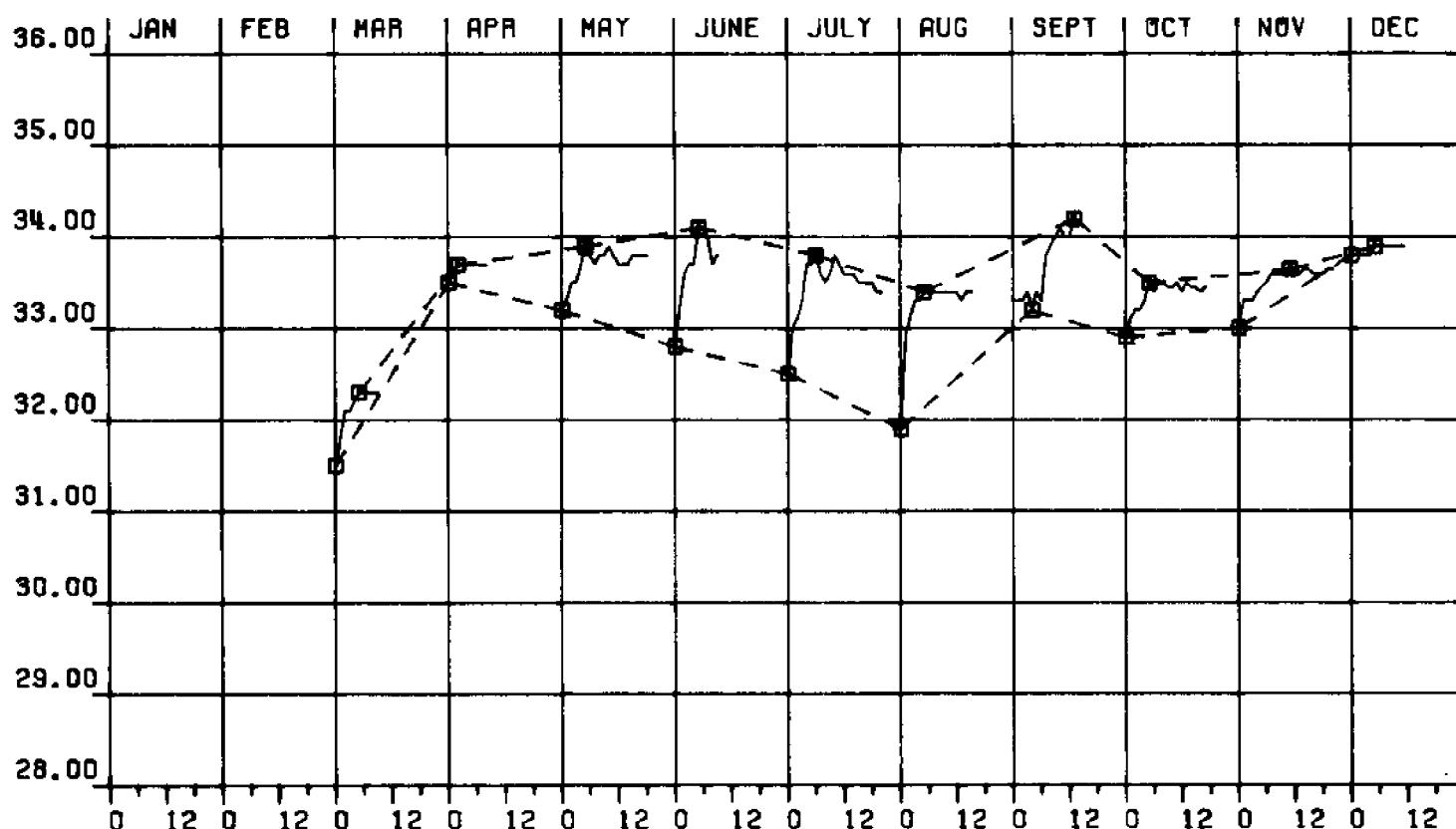
D4 400 YRDS SW OF ISLAND WHITE
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



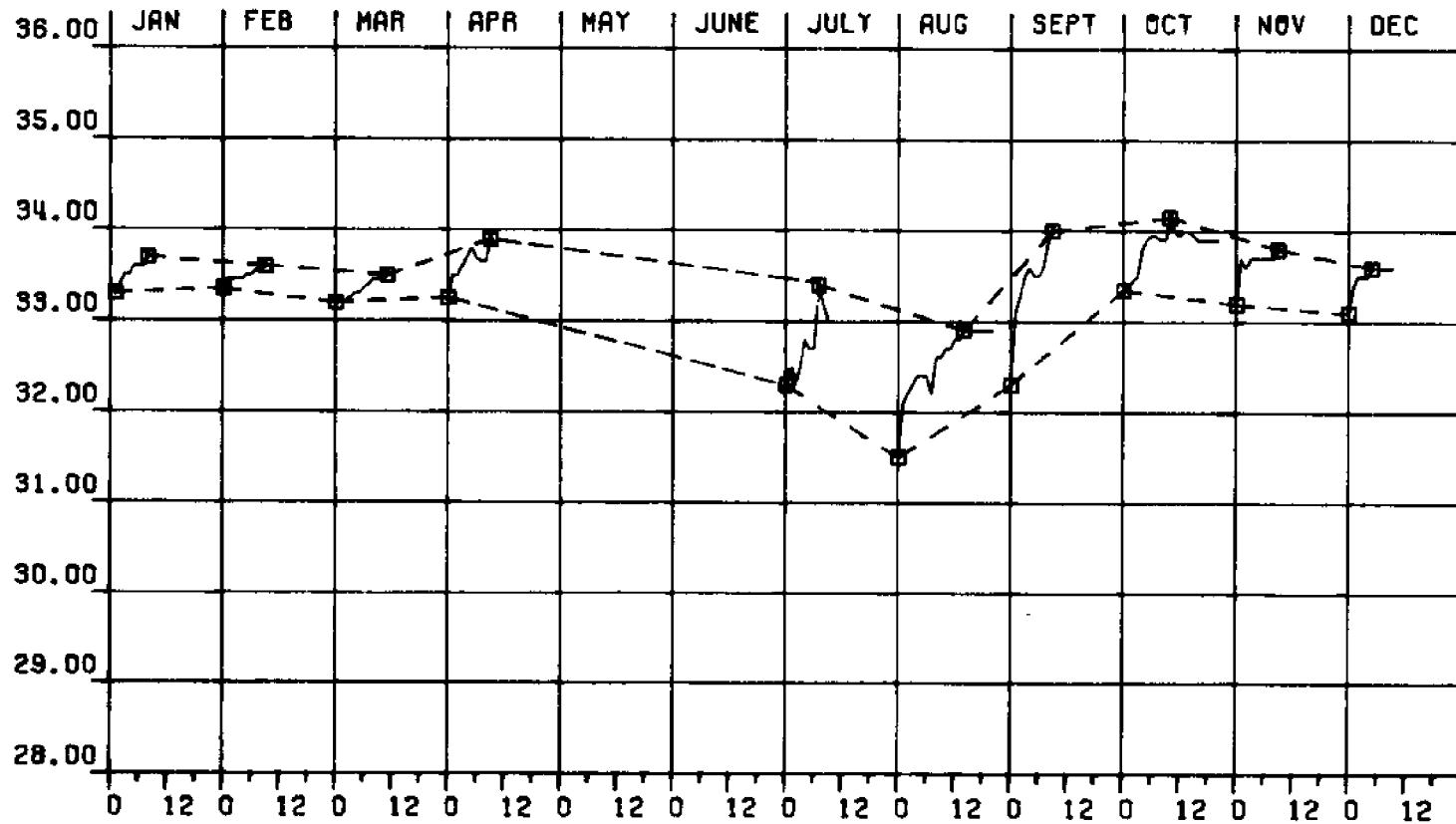
D4 400 YRDS SW OF ISLAND WHITE
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



D4 400 YARDS SW OF ISLAND WHITE
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



D4 400 YARDS SW OF ISLAND WHITE
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT

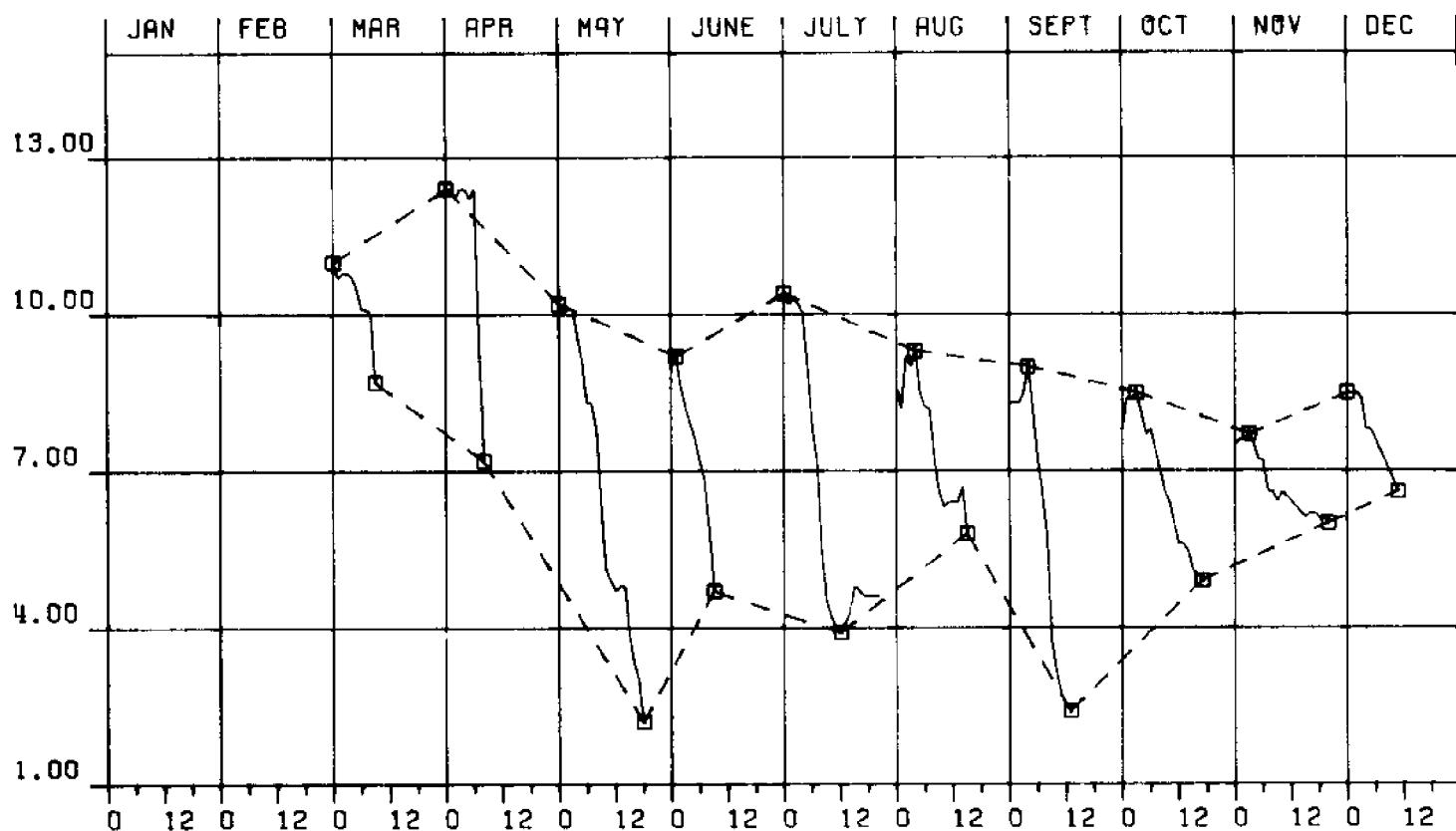


04 400 YRDS SW OF ISLAND WHITE

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM

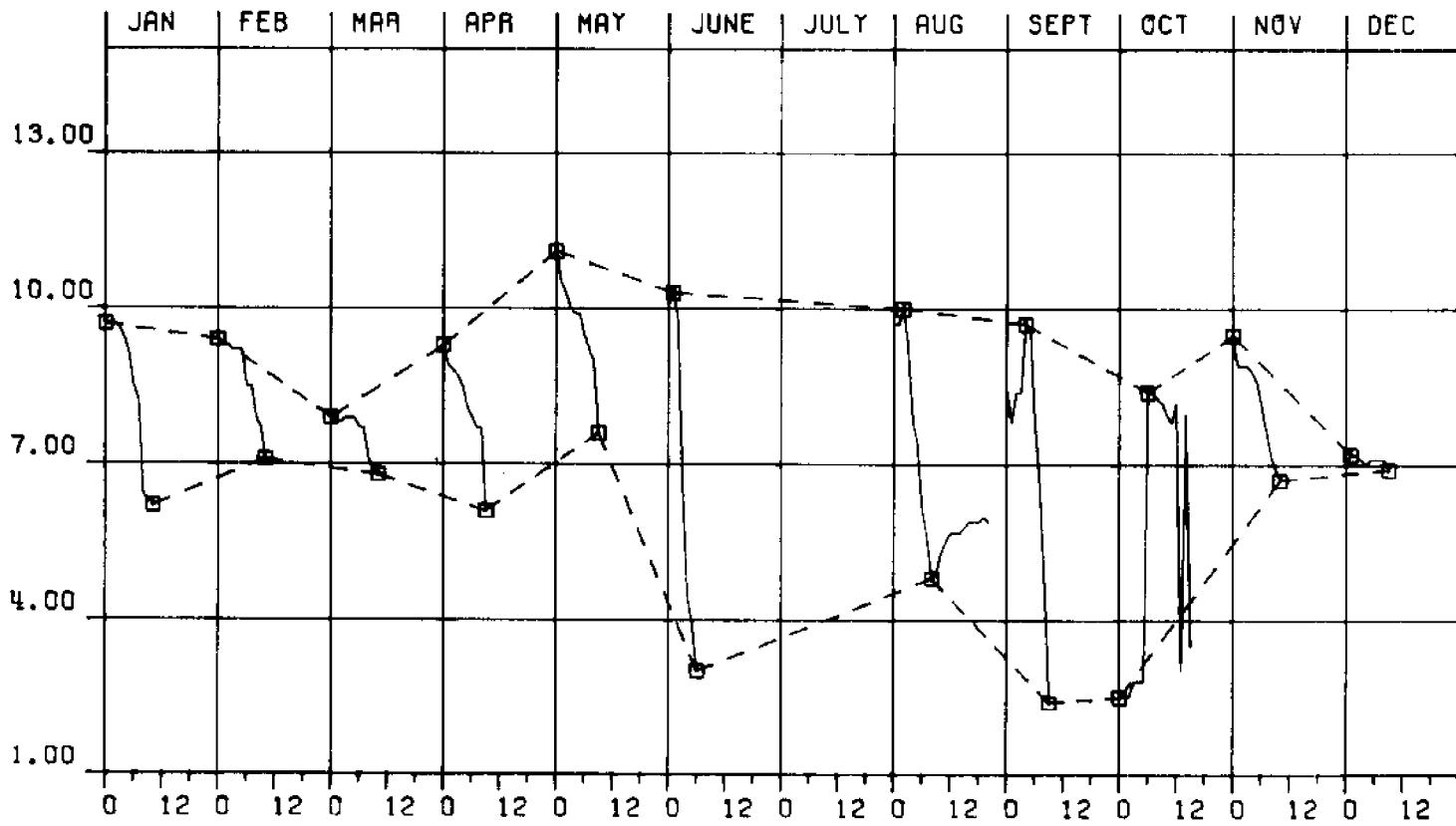


04 400 YRDS SW OF ISLAND WHITE

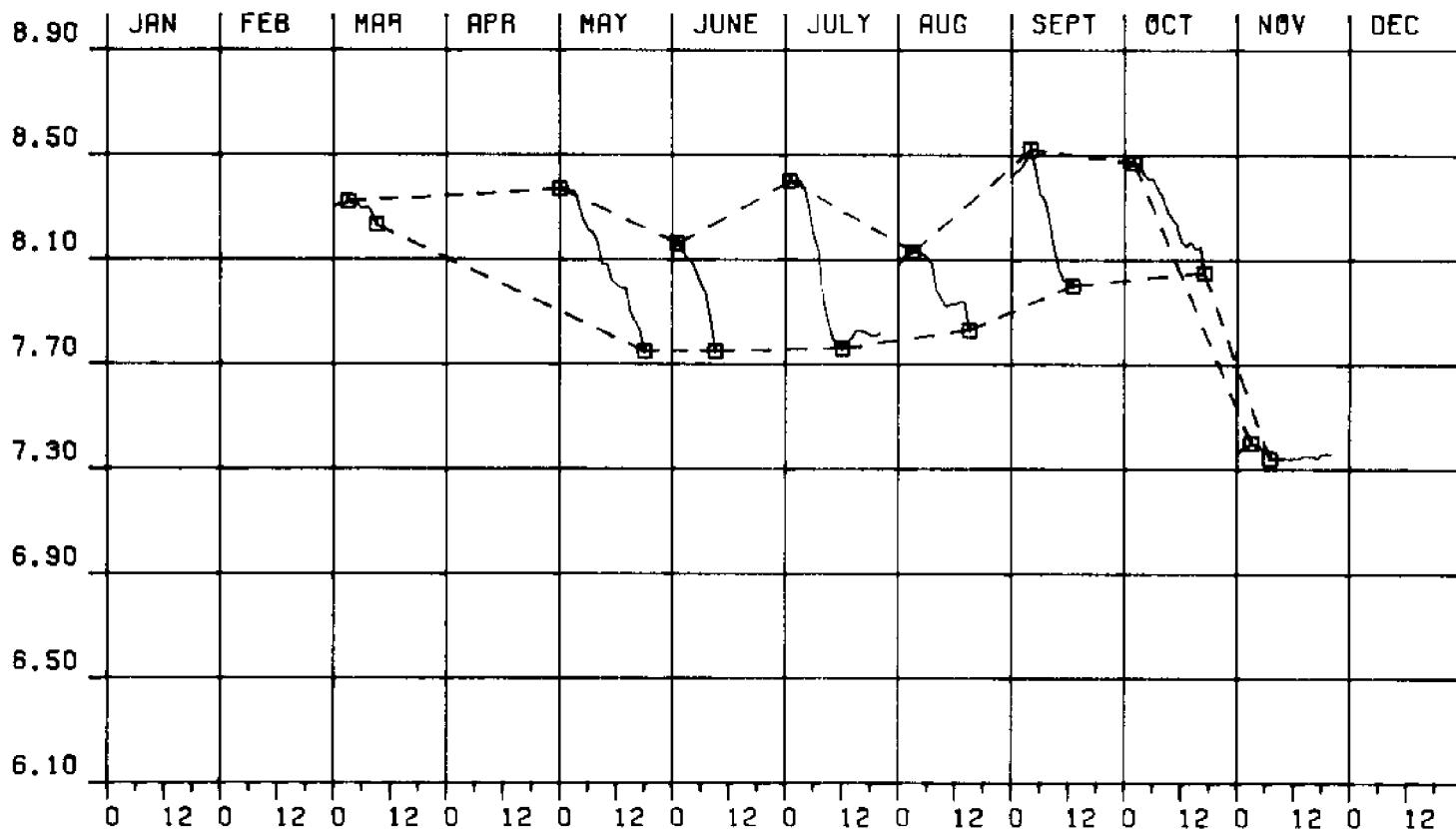
DATE: 1974

EACH SUBGRAPH BY MONTH

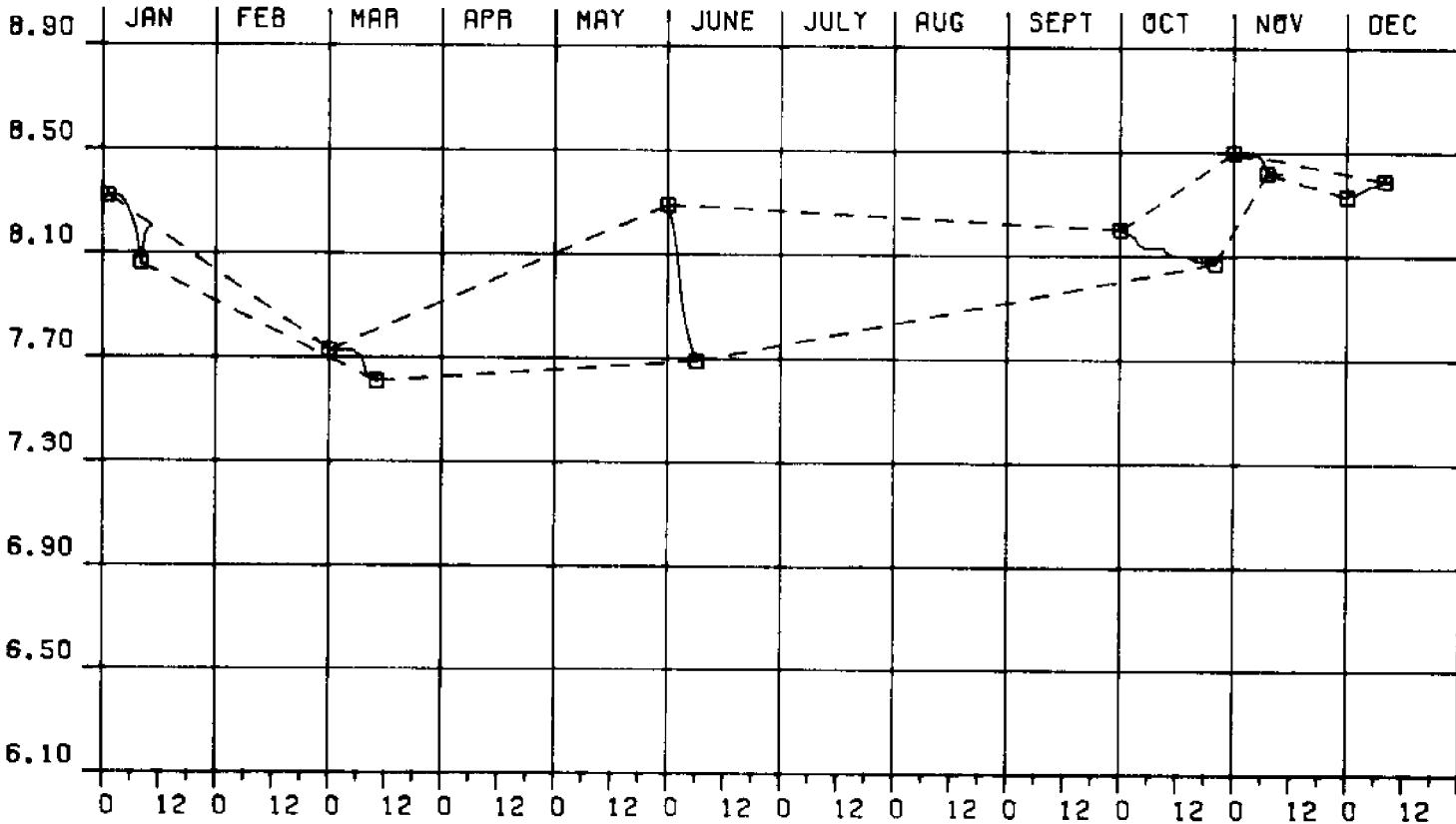
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



04 400 YRDS SW OF ISLAND WHITE
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



04 400 YRDS SW OF ISLAND WHITE
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MARCH 1973

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS FEET	TEMPERATURE C F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURPIDITY %
00	0.0	12.10	33.70	11.40	6.50
01	3.28	12.60	33.60	10.70	6.31
02	6.56	12.80	33.60	10.80	6.31
03	9.84	12.40	33.40	10.50	6.32
04	13.12	12.60	33.60	10.70	6.31
05	16.40	12.60	33.60	10.50	6.31
06	19.68	12.60	33.60	10.10	6.20
07	22.96	12.70	33.60	10.10	6.30
08	26.24	12.60	33.50	10.00	6.20
09	29.52	12.30	33.60	9.70	6.23

DATE: JUNE 1973

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS FEET	TEMPERATURE C F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURPIDITY %
00	0.0	21.00	33.80	32.40	6.00
01	3.28	21.00	33.80	32.20	6.16
02	6.56	20.40	33.80	32.40	6.14
03	9.84	19.70	33.70	32.20	6.10
04	13.12	19.90	33.70	32.70	6.00
05	16.40	19.40	33.70	34.10	6.00
06	19.68	17.10	32.70	34.10	6.00
07	22.96	16.40	32.20	34.00	6.00
08	26.24	16.10	32.70	32.70	6.00
09	29.52	15.80	32.90	31.80	6.70

DATE: APRIL 1973

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS FEET	TEMPERATURE C F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURPIDITY %
00	0.0	16.50	33.70	33.50	12.40
01	3.28	16.50	33.70	33.60	12.40
02	6.56	16.20	33.70	33.70	12.20
03	9.84	15.10	34.10	33.70	12.40
04	13.12	14.90	34.00	33.70	12.40
05	16.40	15.70	34.20	33.70	12.40
06	19.68	15.30	34.54	33.70	12.40
07	22.96	15.00	34.80	33.70	9.50
08	26.24	14.50	34.10	33.70	7.20

DATE: JULY 1973

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS FEET	TEMPERATURE C F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURPIDITY %
00	0.0	21.30	33.84	32.50	6.34
01	3.28	21.30	33.84	33.00	10.20
02	6.56	21.00	33.80	33.10	6.40
03	9.84	20.60	33.88	33.20	10.20
04	13.12	19.80	33.84	33.70	9.17
05	16.40	17.50	33.50	33.70	9.30
06	19.68	16.40	31.88	33.60	7.99
07	22.96	15.80	31.34	33.60	7.20
08	26.24	15.20	30.36	33.50	6.55
09	29.52	14.40	37.92	33.60	4.50
10	32.80	13.80	34.84	33.80	4.20
11	36.00	13.20	35.76	34.70	4.30
12	39.30	12.90	35.22	33.60	3.90
13	42.56	12.60	34.68	33.60	4.10
14	45.82	12.30	34.66	33.60	7.40

DATE: MAY 1973

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS FEET	TEMPERATURE C F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURPIDITY %
00	0.0	14.10	30.90	33.20	10.20
01	3.28	16.30	31.34	33.30	10.10
02	6.56	16.20	31.16	33.50	10.10
03	9.84	16.10	30.98	33.50	10.10
04	13.12	15.80	30.44	33.70	9.50
05	16.40	15.10	31.90	9.10	9.25
06	19.68	14.40	38.64	13.80	9.30
07	22.96	14.00	38.66	33.70	8.30
08	26.24	14.60	38.28	33.80	8.15
09	29.52	14.60	37.92	33.80	8.00
10	32.80	14.00	37.20	33.80	5.10
11	36.00	13.60	37.02	33.80	4.90
12	39.30	13.00	37.02	33.70	4.00
13	42.56	12.80	36.84	33.70	4.00
14	45.82	12.60	36.84	33.70	4.00
15	49.08	12.70	36.86	33.80	7.40
16	52.34	12.60	36.48	33.80	7.40
17	55.76	13.50	36.40	33.80	7.40
18	59.04	13.40	36.12	33.80	7.40
19	62.30	13.20	36.12	33.80	7.40
20	65.56	12.30	36.14	33.80	7.92

DATE: AUGUST 1973

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS FEET	TEMPERATURE C F	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURPIDITY %
00	0.0	20.00	34.00	31.90	8.60
01	3.28	19.80	34.64	32.90	9.20
02	6.56	19.60	34.28	33.10	9.12
03	9.84	19.60	34.28	11.30	9.03
04	13.12	19.40	34.92	33.70	9.30
05	16.40	19.20	34.58	33.40	9.50
06	19.68	19.00	34.52	33.40	9.50
07	22.96	18.40	34.40	33.40	7.82
08	26.24	17.60	34.40	33.40	7.40
09	29.52	17.40	34.14	33.40	7.40
10	32.80	17.40	34.14	33.40	7.40
11	36.00	17.40	34.14	33.40	7.40
12	39.30	17.40	34.14	33.40	7.40
13	42.56	17.40	34.14	33.40	7.40
14	45.82	17.40	34.14	33.40	7.40
15	49.08	17.40	34.14	33.40	7.40
16	52.34	17.40	34.14	33.40	7.40
17	55.76	17.40	34.14	33.40	7.40
18	59.04	17.40	34.14	33.40	7.40
19	62.30	17.40	34.14	33.40	7.40
20	65.56	17.40	34.14	33.40	7.40

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1973

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O.2 PPM	pH	TURBIDITY %
00	29.0	19.00	35.20	8.30	74.00
01	31.28	19.00	35.20	8.30	74.00
02	33.56	19.20	35.20	8.30	74.50
03	35.84	18.90	35.02	8.30	75.00
04	38.12	18.50	35.30	8.30	75.00
05	40.40	17.70	35.86	8.20	75.50
06	42.68	16.90	35.80	8.20	76.00
07	44.96	16.30	35.80	8.33	76.00
08	47.24	15.70	35.80	8.25	76.00
09	49.52	15.00	35.80	8.18	76.00
10	51.80	14.40	35.84	8.08	76.50
11	54.08	14.70	35.80	8.02	76.00
12	56.36	14.70	35.80	8.01	76.00
13	58.64	14.50	35.80	8.00	76.00

DATE: OCTOBER 1973

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O.2 PPM	pH	TURBIDITY %
00	29.0	17.50	35.50	8.90	74.50
01	31.28	17.20	35.50	8.90	75.00
02	33.56	17.20	35.50	8.87	75.00
03	35.84	17.10	35.78	8.50	74.00
04	38.12	16.80	35.24	8.10	74.00
05	40.40	16.50	35.70	8.41	79.00
06	42.68	16.00	35.40	8.41	79.00
07	44.96	15.80	35.50	8.37	79.00
08	47.24	15.50	35.50	8.34	79.00
09	49.52	15.30	35.45	8.60	86.00
10	51.80	15.20	35.45	8.26	77.00
11	54.08	15.00	35.50	8.24	72.00
12	56.36	14.70	35.60	8.17	59.50
13	58.64	14.60	35.50	8.15	58.50
14	60.92	14.50	35.45	8.17	57.50
15	63.20	14.40	35.45	8.10	57.50
16	65.48	14.30	35.74	8.00	57.50
17	67.76	14.30	35.45	8.00	57.50

MISSING DATA VALUE IS +1.0

DATE: NOVEMBER 1973

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O.2 PPM	pH	TURBIDITY %
00	29.0	12.80	35.04	33.00	74.50
01	31.28	12.80	35.04	33.30	74.50
02	33.56	12.80	35.04	33.33	74.50
03	35.84	12.80	35.04	33.30	74.50
04	38.12	12.80	35.04	33.40	74.50
05	40.40	12.80	35.04	33.45	74.50
06	42.68	12.80	35.04	33.50	74.50
07	44.96	12.80	35.04	33.60	74.50
08	47.24	12.80	35.04	33.60	74.50
09	49.52	12.80	35.04	33.60	74.50
10	51.80	12.80	35.04	33.60	74.50
11	54.08	12.80	35.04	33.60	74.50
12	56.36	12.80	35.04	33.60	74.50
13	58.64	12.80	35.04	33.60	74.50
14	60.92	12.80	35.04	33.65	74.50
15	63.20	12.80	35.04	33.60	74.50
16	65.48	12.80	35.04	33.60	74.50
17	67.76	12.80	35.04	33.60	74.50

DATE: DECEMBER 1973

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O.2 PPM	pH	TURBIDITY %
00	29.0	12.20	35.96	33.80	8.60
01	31.28	12.20	35.96	33.80	8.60
02	33.56	12.20	35.96	33.80	8.60
03	35.84	12.20	35.96	33.80	8.60
04	38.12	12.20	35.96	33.80	8.60
05	40.40	12.20	35.96	33.80	8.60
06	42.68	12.20	35.96	33.80	8.60
07	44.96	12.20	35.96	33.80	8.60
08	47.24	12.20	35.96	33.80	8.60
09	49.52	12.20	35.96	33.80	8.60
10	51.80	12.20	35.96	33.80	8.60
11	54.08	12.20	35.96	33.80	8.60
12	56.36	12.20	35.96	33.80	8.60
13	58.64	12.20	35.96	33.80	8.60
14	60.92	12.20	35.96	33.80	8.60
15	63.20	12.20	35.96	33.80	8.60
16	65.48	12.20	35.96	33.80	8.60
17	67.76	12.20	35.96	33.80	8.60

DATE: JANUARY 1974

STATION: 04 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O.2 PPM	pH	TURBIDITY %
00	29.0	13.20	35.76	33.50	9.31
01	31.28	13.20	35.76	33.50	9.32
02	33.56	13.20	35.76	33.50	9.32
03	35.84	13.20	35.76	33.50	9.32
04	38.12	13.20	35.76	33.50	9.32
05	40.40	13.20	35.58	33.50	9.31
06	42.68	13.20	35.40	33.50	9.24
07	44.96	13.20	35.40	33.50	9.24
08	47.24	13.20	35.22	33.70	9.24
09	49.52	13.20	35.22	33.70	9.19
10	51.80	13.20	35.04	33.70	9.20

MISSING DATA VALUE IS +1.0

DATE: FEBRUARY 1974

STATION: D4 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC.	TURBIDITY %
00	14.40	37.92	33.35	9.40	-1.00
01	36.28	14.30	37.74	33.40	-1.00
02	6.56	14.30	37.74	33.45	-1.00
03	9.84	14.30	37.74	33.45	-1.00
04	13.12	14.20	37.50	33.45	-1.00
05	16.40	14.00	37.20	33.50	-1.00
06	19.68	13.90	37.02	33.50	-1.00
07	22.96	13.70	36.86	34.55	-1.00
08	26.24	13.50	36.94	33.55	-1.00
09	29.52	13.20	35.76	33.60	-1.00
10	32.80	13.10	35.58	33.60	-1.00

DATE: MARCH 1974

STATION: D4 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC.	TURBIDITY %
00	14.40	37.92	33.20	7.90	-1.00
01	36.28	14.40	37.92	33.20	-1.00
02	6.56	14.40	37.92	33.20	-1.00
03	9.84	14.40	37.92	33.25	-1.00
04	13.12	14.40	37.92	33.30	-1.00
05	16.40	14.30	37.74	33.30	-1.00
06	19.68	14.30	37.74	33.35	-1.00
07	22.96	14.30	37.74	33.40	-1.00
08	26.24	13.90	37.02	33.45	-1.00
09	29.52	13.70	36.86	33.45	-1.00
10	32.80	13.70	36.66	33.45	-1.00
11	36.08	13.70	36.66	33.50	-1.00

DATE: APRIL 1974

STATION: D4 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC.	TURBIDITY %
00	16.00	39.00	33.25	9.30	-1.00
01	3.24	14.00	38.82	33.50	-1.00
02	6.56	14.00	38.82	33.50	-1.00
03	9.84	14.00	38.82	33.50	-1.00
04	13.12	14.00	38.84	33.70	-1.00
05	16.40	14.00	38.84	33.80	-1.00
06	19.68	14.00	38.84	33.70	-1.00
07	22.96	14.00	38.84	33.65	-1.00
08	26.24	14.00	38.84	33.65	-1.00
09	29.52	14.00	38.86	33.60	-1.00

MISSING DATA VALUE IS -1.00

DATE: MAY 1974

STATION: D4 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC.	TURBIDITY %
00	6.0	17.90	64.22	-1.00	11.10
01	3.28	17.50	61.50	-1.00	10.50
02	6.56	17.20	62.96	-1.00	10.30
03	9.84	16.80	62.42	-1.00	10.00
04	13.12	16.00	60.80	-1.00	9.90
05	16.40	15.70	60.62	-1.00	9.90
06	19.68	15.90	60.62	-1.00	9.50
07	22.96	15.70	60.26	-1.00	9.20
08	26.24	15.50	59.90	-1.00	9.00
09	29.52	15.20	59.36	-1.00	7.60
10	32.80	15.00	59.36	-1.00	7.00

DATE: JUNE 1974

STATION: D4 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC.	TURBIDITY %
00	6.0	17.40	66.92	29.00	10.10
01	3.28	18.00	65.48	29.20	10.30
02	6.56	17.50	63.50	29.30	9.80
03	9.84	18.00	60.62	29.50	9.50
04	13.12	18.20	57.56	29.70	9.50
05	16.40	18.00	57.48	29.90	9.00
06	19.68	18.00	55.40	30.10	7.60

* Possible probe malfunction

DATE: JULY 1974

STATION: D4 400 YARDS SW OF ISLAND WHITE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC.	TURBIDITY %
00	6.0	22.50	72.50	72.50	-1.00
01	3.28	21.80	71.24	72.50	-1.00
02	6.56	21.70	71.06	72.50	-1.00
03	9.84	21.40	70.52	72.50	-1.00
04	13.12	20.80	69.44	72.50	-1.00
05	16.40	20.30	68.54	72.70	-1.00
06	19.68	20.00	64.00	72.70	-1.00
07	22.96	19.10	66.34	73.40	-1.00
08	26.24	17.90	64.04	73.20	-1.00
09	29.52	17.50	63.20	73.00	-1.00

MISSING DATA VALUE IS -1.00

DATE: AUGUST 1974

STATION: D4 400 YARDS SW OF ISLAND WHITE

METERS	DEPTH FEET	TEMPERATURE °C °E	SALINITY ‰ ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	20.80	86.44	31.50	9.70	-1.00
01	3.28	18.80	85.84	32.10	9.70	-1.00
02	6.56	18.70	85.66	32.20	10.00	-1.00
03	9.84	18.50	85.30	32.30	9.30	-1.00
04	13.12	17.60	83.40	32.40	7.80	-1.00
05	16.40	17.20	82.96	32.40	7.40	-1.00
06	19.68	17.00	82.60	32.40	6.10	-1.00
07	22.96	16.80	82.24	32.20	5.60	-1.00
08	26.24	15.90	80.62	32.60	4.80	-1.00
09	29.52	15.70	80.26	32.60	4.90	-1.00
10	32.80	15.50	80.90	32.70	5.30	-1.00
11	36.08	15.50	80.90	32.70	5.50	-1.00
12	39.36	15.40	80.72	32.80	5.70	-1.00
13	42.64	15.40	80.72	32.80	5.70	-1.00
14	45.92	15.30	80.54	32.90	5.70	-1.00
15	49.20	15.30	80.54	32.90	5.80	-1.00
16	52.48	15.20	80.36	32.90	5.90	-1.00
17	55.76	15.20	80.36	32.90	5.90	-1.00
18	59.04	15.20	80.36	32.90	5.90	-1.00
19	62.32	15.20	80.36	32.90	6.00	-1.00
20	65.60	15.20	80.36	32.90	5.90	-1.00

DATE: OCTOBER 1974

STATION: D4 400 YARDS SW OF ISLAND WHITE

METERS	DEPTH FEET	TEMPERATURE °C °E	SALINITY ‰ ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	15.80	80.44	33.35	2.50	8.20
01	3.28	15.80	80.44	33.40	2.50	8.19
02	6.56	15.80	80.44	33.45	2.50	8.18
03	9.84	15.80	80.44	33.50	2.50	8.17
04	13.12	15.00	59.00	33.50	2.50	8.14
05	16.40	14.80	58.64	33.50	2.50	8.13
06	19.68	14.80	58.64	33.55	2.40	8.13
07	22.96	14.70	58.46	33.55	2.40	8.13
08	26.24	14.60	58.28	33.50	2.30	8.13
09	29.52	14.60	58.28	33.50	2.20	8.13
10	32.80	14.40	57.92	34.15	2.00	8.11
11	36.08	14.30	57.74	34.00	2.00	8.10
12	39.36	14.20	57.56	33.95	2.00	8.10
13	42.64	14.20	57.56	34.00	2.00	8.10
14	45.92	14.20	57.56	34.00	2.00	8.10
15	49.20	14.10	57.38	33.95	2.50	8.09
16	52.48	14.00	57.20	33.90	-1.00	8.08
17	55.76	14.00	57.20	33.90	-1.00	8.08
18	59.04	13.90	57.02	33.90	-1.00	8.08
19	62.32	13.90	57.02	33.90	-1.00	8.08
20	65.60	13.90	57.02	33.90	-1.00	8.07

DATE: SEPTEMBER 1974

STATION: D4 400 YARDS SW OF ISLAND WHITE

METERS	DEPTH FEET	TEMPERATURE °C °E	SALINITY ‰ ‰	D.O2 PPM	PH H.ION CONC	TURIDITY %
00	0.0	20.20	88.36	32.30	8.40	-1.00
01	3.28	20.10	88.18	33.10	7.80	-1.00
02	6.56	20.00	88.00	33.30	8.40	-1.00
03	9.84	19.60	87.28	33.50	8.40	-1.00
04	13.12	19.20	86.56	33.60	9.70	-1.00
05	16.40	19.00	86.20	33.50	9.60	-1.00
06	19.68	18.80	85.84	33.50	7.80	-1.00
07	22.96	18.40	85.12	33.50	6.60	-1.00
08	26.24	17.60	84.04	33.90	8.50	-1.00
09	29.52	17.00	82.60	34.00	2.40	-1.00

DATE: NOVEMBER 1974

STATION: D4 400 YARDS SW OF ISLAND WHITE

METERS	DEPTH FEET	TEMPERATURE °C °E	SALINITY ‰ ‰	D.O2 PPM	PH H.ION CONC	TURIDITY %
00	0.0	16.10	80.98	33.20	9.50	8.50
01	3.28	15.20	89.36	33.70	8.90	8.48
02	6.56	15.10	89.16	33.60	8.90	8.49
03	9.84	15.10	89.18	33.70	8.90	8.48
04	13.12	15.00	89.00	33.70	8.80	8.49
05	16.40	15.00	89.00	33.70	8.60	8.49
06	19.68	15.00	89.00	33.70	8.20	8.47
07	22.96	14.90	58.82	33.70	7.70	8.42
08	26.24	14.80	58.64	33.70	7.20	8.43
09	29.52	14.70	58.46	33.80	6.90	8.42
10	32.80	14.60	58.28	33.80	6.70	8.42

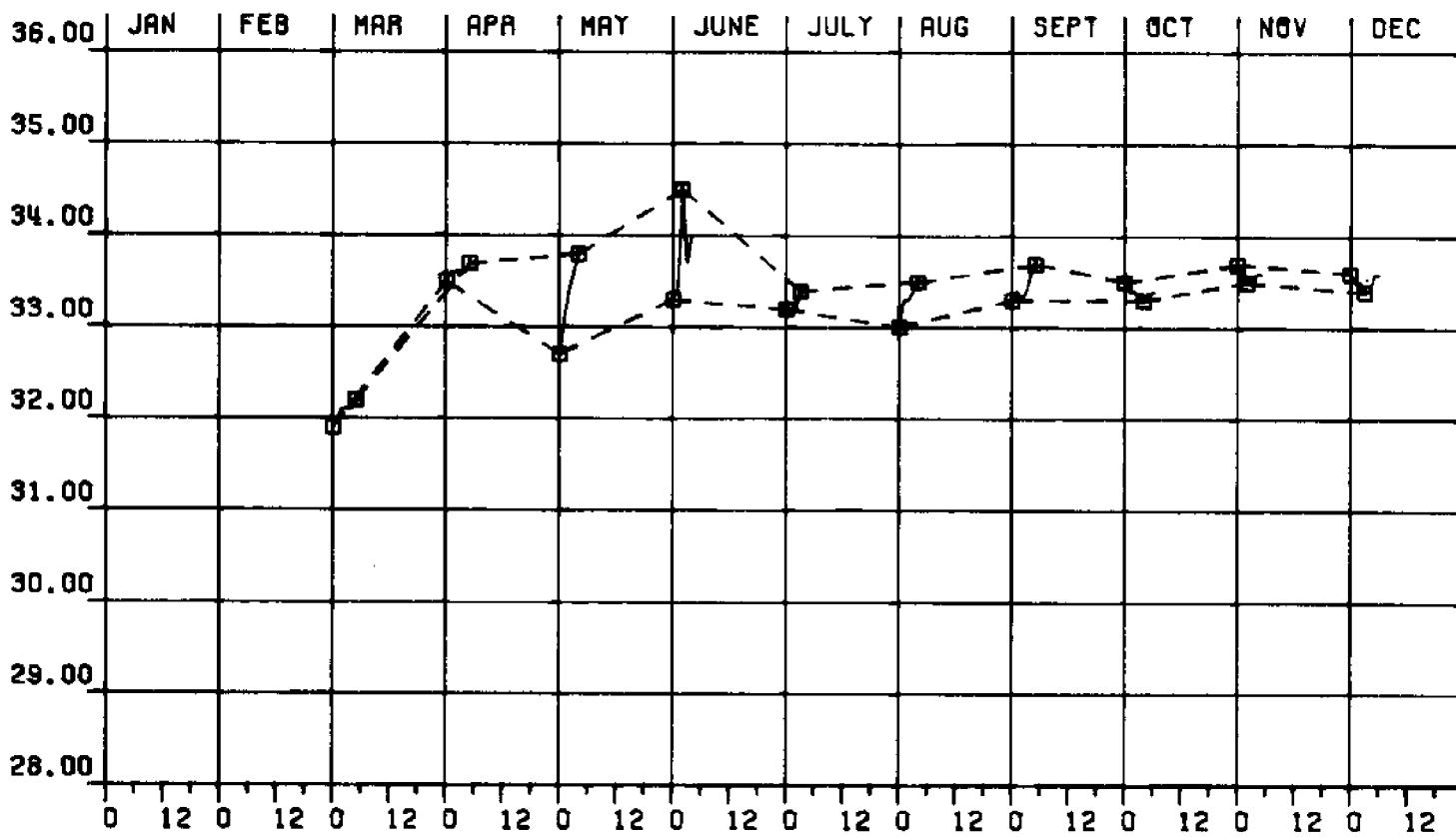
MISSING DATA VALUE IS -1.0

DATE: DECEMBER 1974

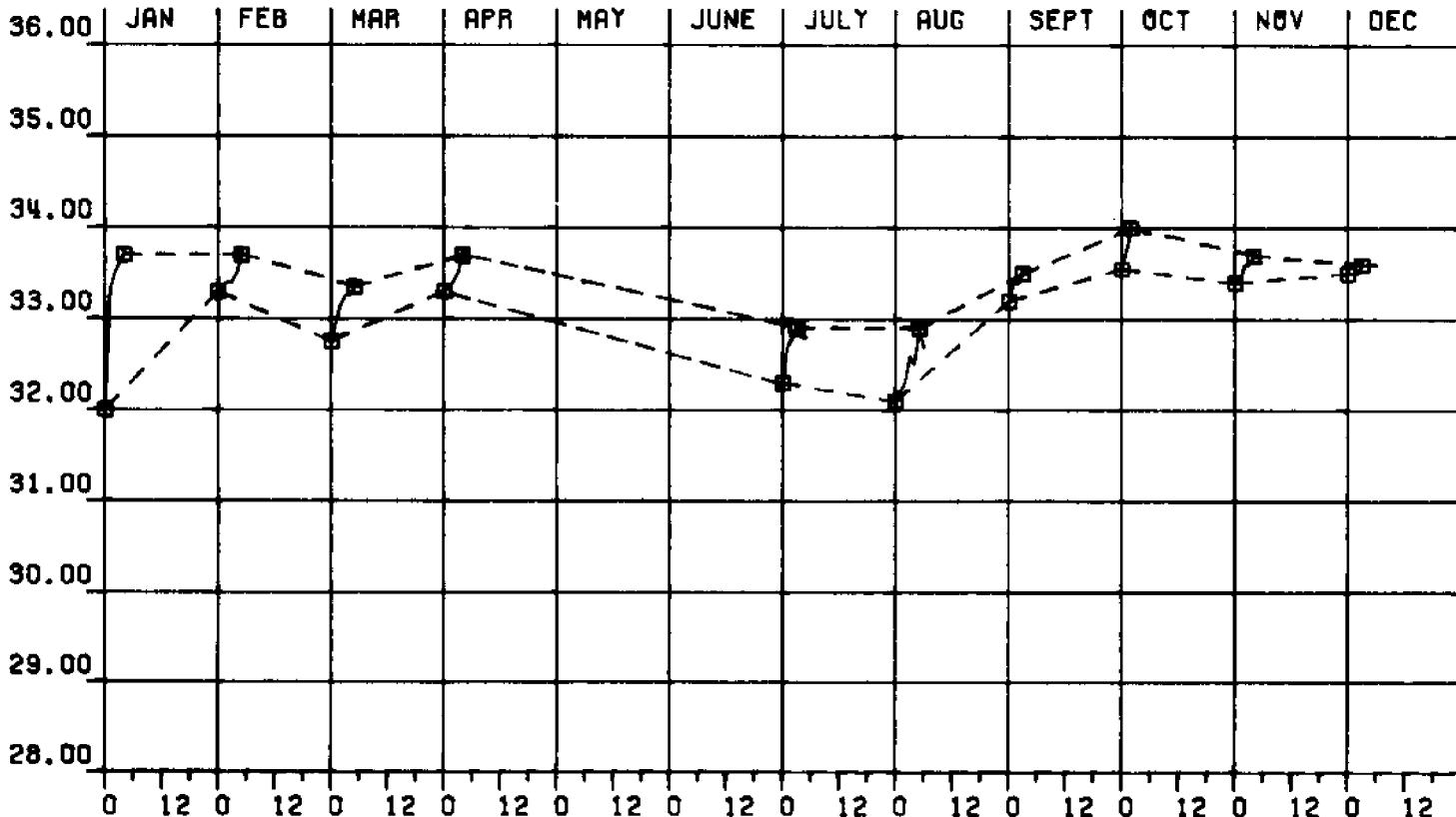
STATION: D4 400 YARDS SW OF ISLAND WHITE

METERS	DEPTH FEET	TEMPERATURE °C °E	SALINITY ‰ ‰	D.O2 PPM	PH H.ION CONC	TURIDITY %
00	0.0	13.50	86.30	33.10	7.00	8.33
01	3.28	13.50	84.30	33.40	7.20	8.34
02	6.56	13.50	86.30	33.50	7.20	8.34
03	9.84	13.50	86.30	33.50	7.10	8.35
04	13.12	13.60	86.48	33.50	7.00	8.36
05	16.40	13.60	86.48	33.60	7.10	8.37
06	19.68	13.60	86.30	33.60	7.10	8.37
07	22.96	13.60	86.30	33.60	7.10	8.38
08	26.24	13.60	86.48	33.60	7.10	8.39
09	29.52	13.60	86.48	33.60	6.90	8.39

DS .45 NAUT M. NE OF ISLAND CHAFFEE
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



DS .45 NAUT M. NE OF ISLAND CHAFFEE
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT

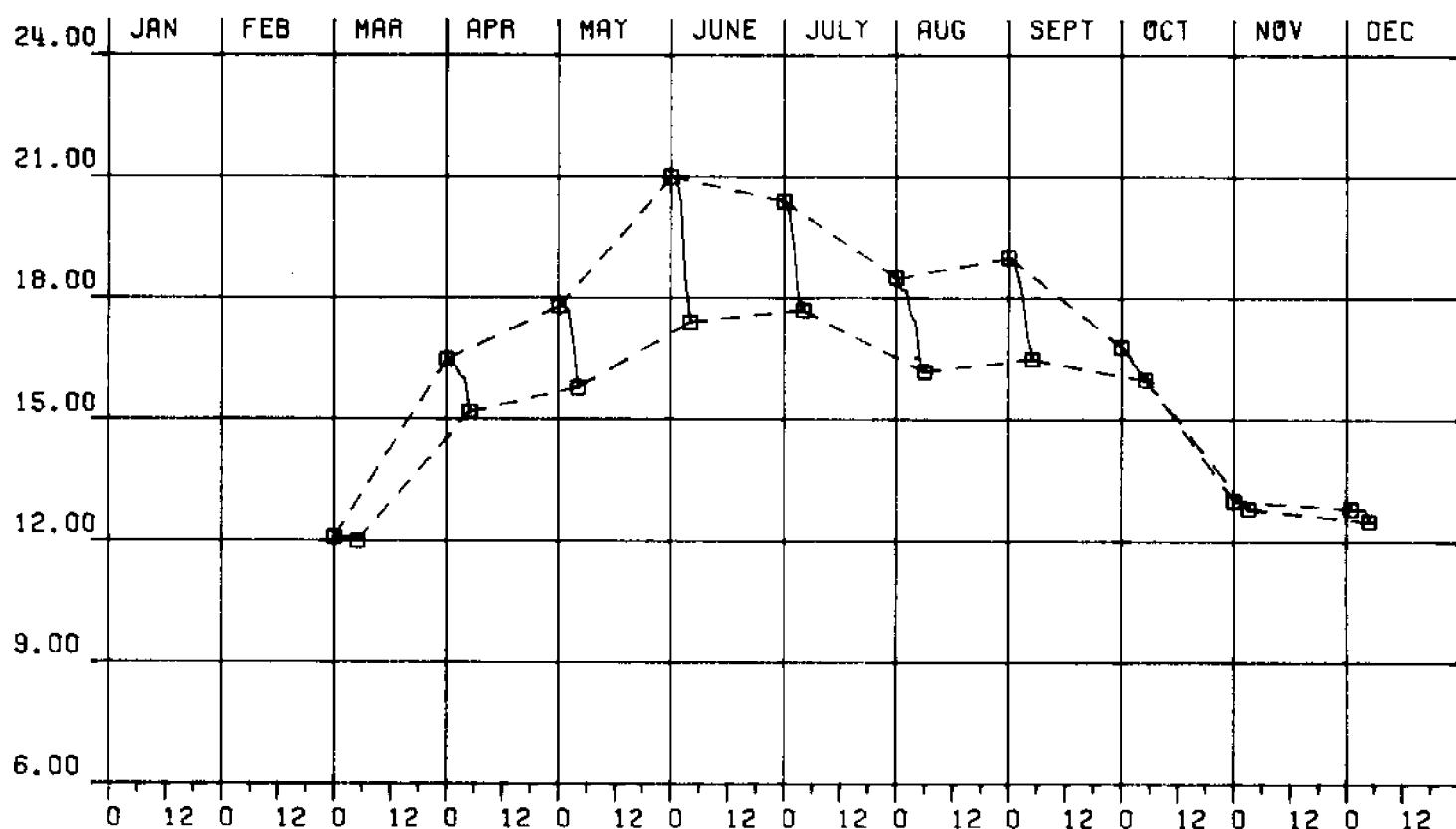


05 .45 NAUT M. NE OF ISLAND CHAFFEE

DATE: 1973

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. TEMPERATURE CELSIUS

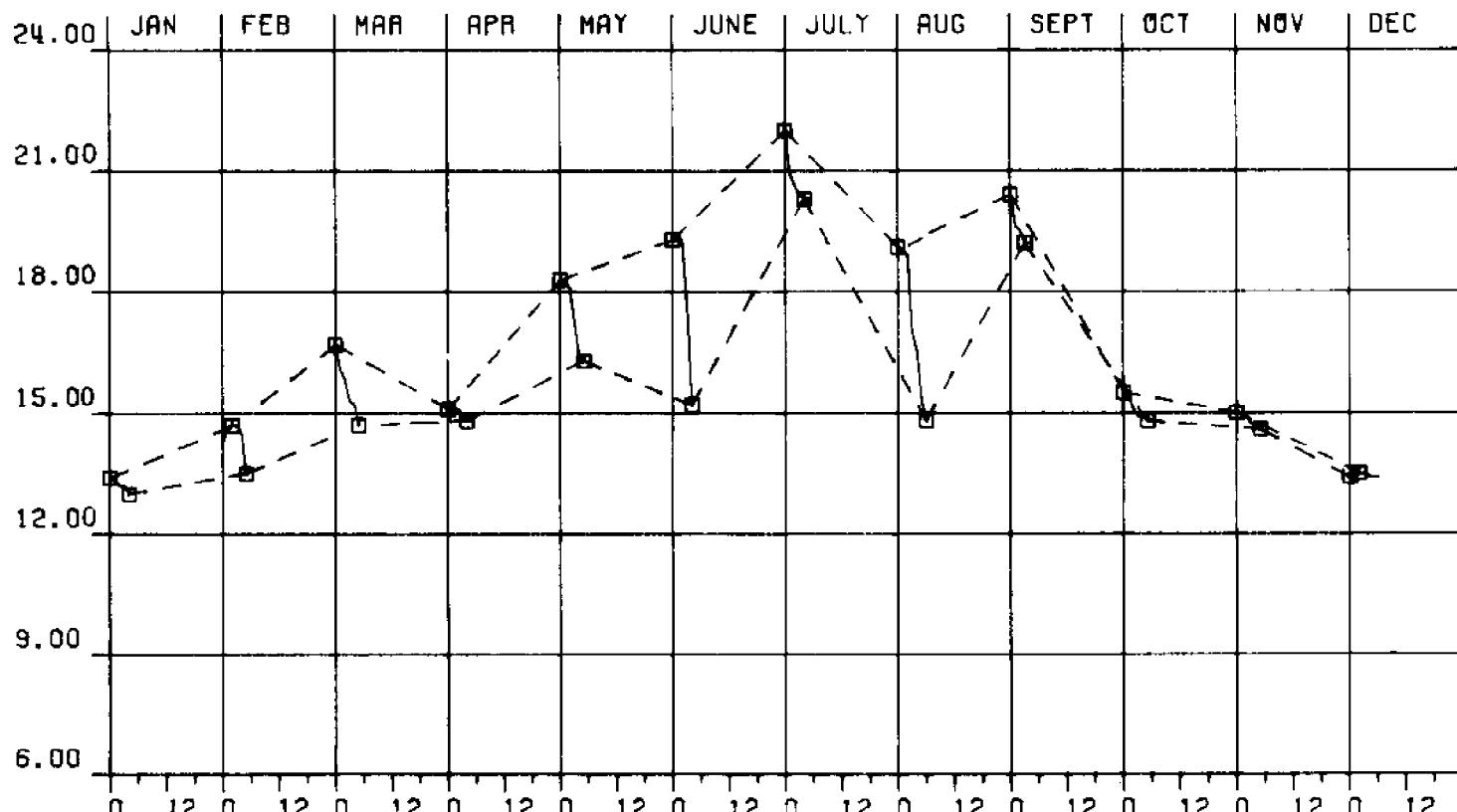


05 .45 NAUT M. NE OF ISLAND CHAFFEE

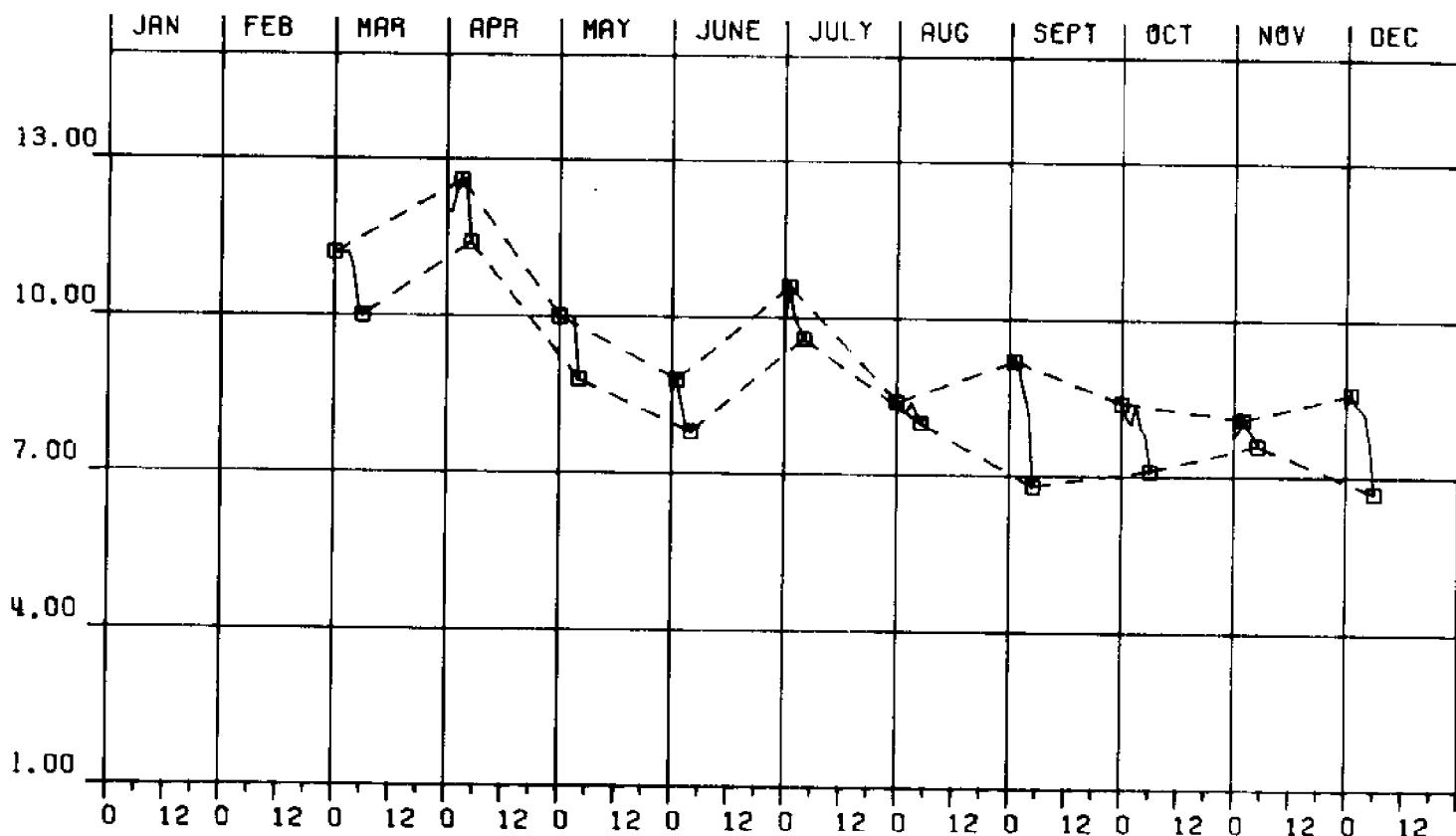
DATE: 1974

EACH SUBGRAPH BY MONTH

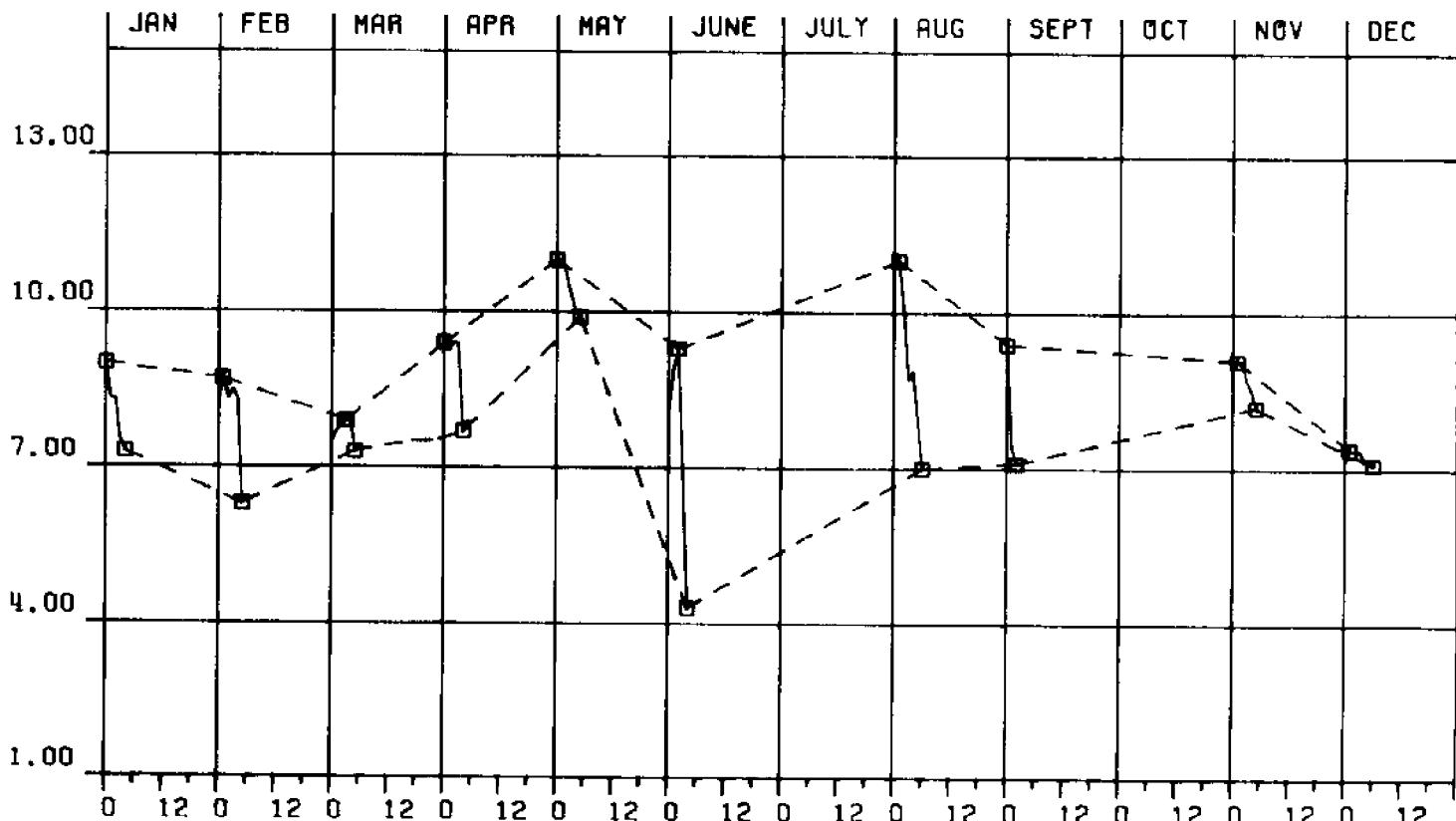
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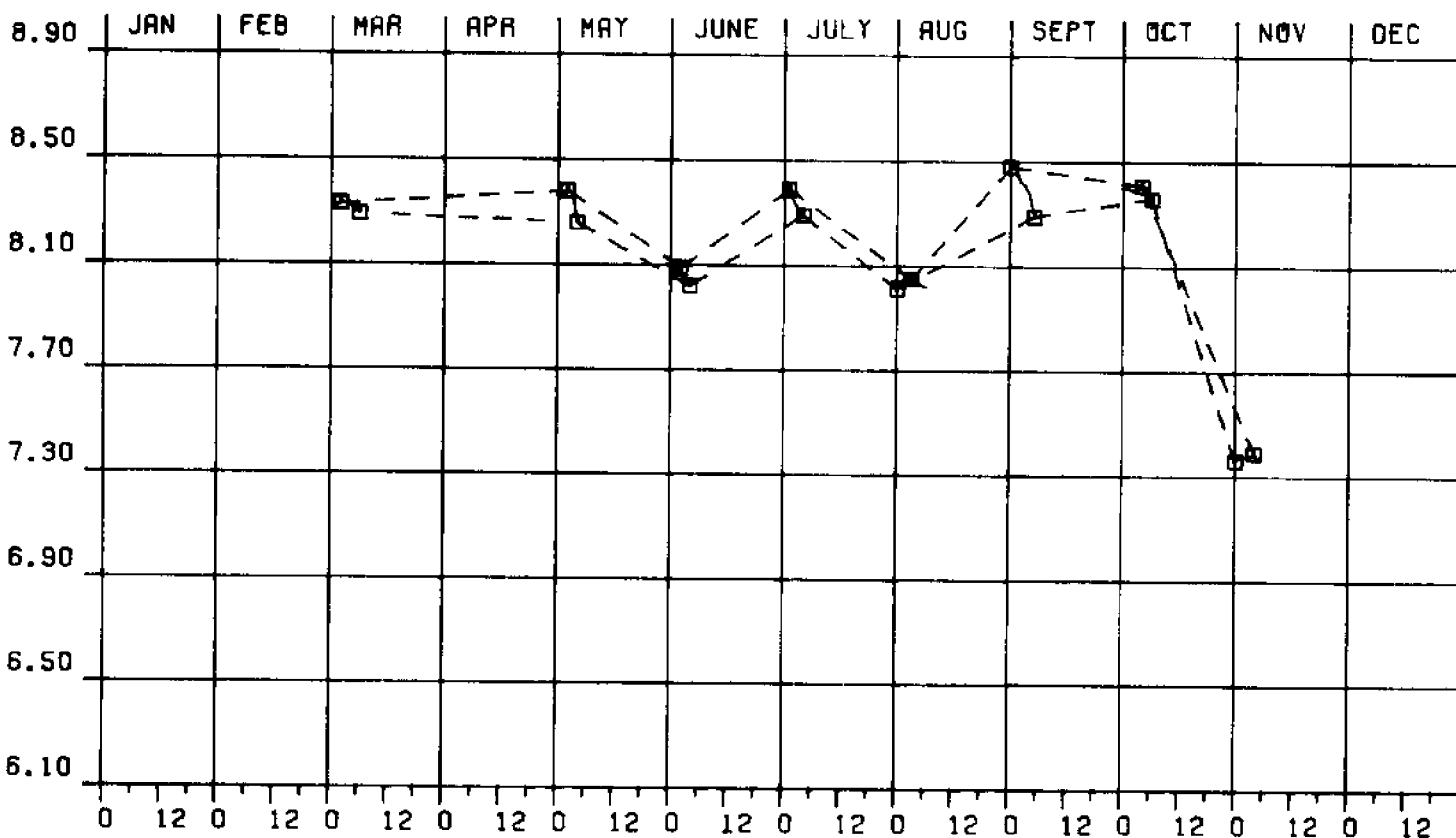
OS .45 NAUT M. NE OF ISLAND CHAFFEE
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



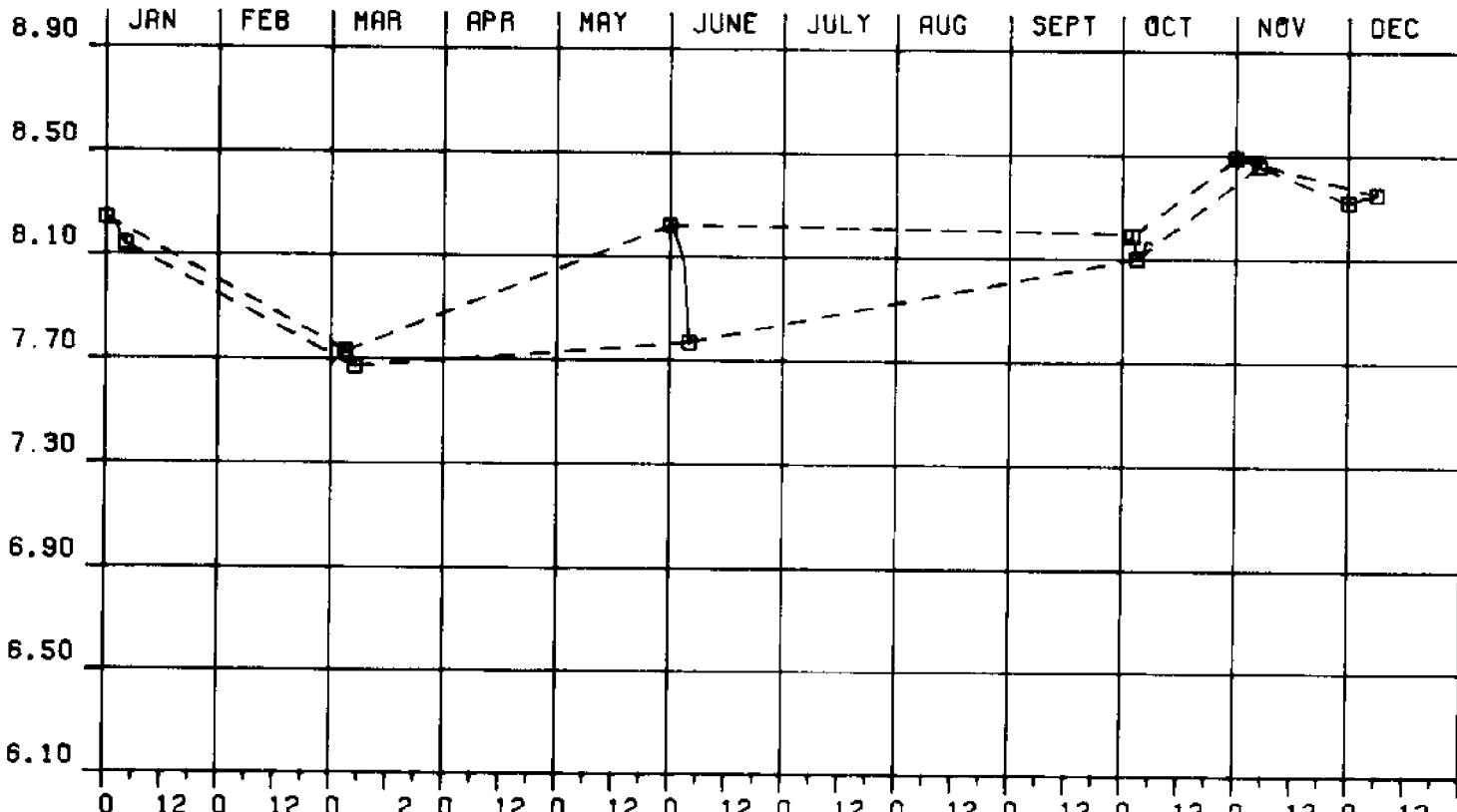
OS .45 NAUT M. NE OF ISLAND CHAFFEE
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



05 .45 NAUT M. NE OF ISLAND CHAFFEE
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



05 .45 NAUT M. NE OF ISLAND CHAFFEE
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MARCH 1973

STATION: 05 .45 NAUT N. NE OF ISLAND CHAFFEE

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	O.02 PPM	PH H-ION CONC	TURBIDITY %
00	0.0	12.10	53.78	31.90	11.20	8.31	90.00
01	3.28	12.10	53.78	32.00	11.20	8.32	90.00
02	6.56	12.10	53.78	32.10	11.20	8.31	90.00
03	9.84	12.10	53.78	32.10	11.20	8.33	90.00
04	13.12	12.10	53.78	32.10	10.90	8.32	87.00
05	16.40	12.00	53.60	32.20	10.20	8.30	84.00
06	19.68	12.00	53.60	32.20	10.00	8.29	80.00

DATE: APRIL 1973

STATION: 05 .45 NAUT N. NE OF ISLAND CHAFFEE

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	O.02 PPM	PH H-ION CONC	TURBIDITY %
00	0.0	16.50	61.70	33.50	12.00	8.10	81.00
01	3.28	16.40	61.52	33.60	12.00	8.10	81.00
02	6.56	16.30	61.34	33.60	12.40	8.10	81.00
03	9.84	16.10	60.98	33.60	12.60	8.10	81.00
04	13.12	16.00	60.80	33.60	12.60	8.10	81.00
05	16.40	15.20	59.36	33.70	11.40	8.10	81.00

DATE: MAY 1973

STATION: 05 .45 NAUT N. NE OF ISLAND CHAFFEE

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	O.02 PPM	PH H-ION CONC	TURBIDITY %
00	0.0	17.80	66.04	32.70	10.00	8.36	71.00
01	3.28	17.80	66.04	33.10	10.00	8.36	71.00
02	6.56	17.70	63.86	33.40	10.00	8.38	71.00
03	9.84	16.90	62.42	33.60	10.00	8.37	71.00
04	13.12	15.80	60.44	33.80	8.80	8.26	71.00

DATE: JUNE 1973

STATION: 05 .45 NAUT N. NE OF ISLAND CHAFFEE

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	O.02 PPM	PH H-ION CONC	TURBIDITY %
00	0.0	21.00	69.80	33.30	8.00	8.04	73.00
01	3.28	21.00	69.80	33.40	8.80	8.08	76.00
02	6.56	20.40	68.72	34.50	8.10	8.09	76.00
03	9.84	19.40	65.12	33.70	7.90	8.03	76.00
04	13.12	17.40	63.32	34.00	7.80	8.02	76.00

MISSING DATA VALUE IS -1.0

DATE: JULY 1973

STATION: 05 .45 NAUT N. NE OF ISLAND CHAFFEE

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	O.02 PPM	PH H-ION CONC	TURBIDITY %
00	0.0	20.40	66.72	33.20	10.00	8.37	-1.00
01	3.28	20.20	66.36	33.20	10.00	8.39	-1.00
02	6.56	19.30	66.74	33.20	10.00	8.34	-1.00
03	9.84	18.00	64.40	33.40	9.80	8.31	-1.00
04	13.12	17.70	63.86	33.40	9.60	8.29	-1.00

DATE: AUGUST 1973

STATION: 05 .45 NAUT N. NE OF ISLAND CHAFFEE

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	O.02 PPM	PH H-ION CONC	TURBIDITY %
00	0.0	18.50	65.30	33.00	8.40	8.01	-1.00
01	3.28	18.20	64.76	33.10	8.20	8.03	-1.00
02	6.56	18.20	64.76	33.30	8.20	8.04	-1.00
03	9.84	17.60	63.68	33.40	8.40	8.05	-1.00
04	13.12	17.40	63.32	33.50	8.20	8.05	-1.00
05	16.40	16.40	61.52	33.50	8.00	8.03	-1.00
06	19.68	16.20	61.16	33.50	8.10	8.02	-1.00

DATE: SEPTEMBER 1973

STATION: 05 .45 NAUT N. NE OF ISLAND CHAFFEE

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	O.02 PPM	PH H-ION CONC	TURBIDITY %
00	0.0	19.00	66.20	33.30	9.10	8.48	73.00
01	3.28	18.90	66.02	33.40	9.20	8.48	75.00
02	6.56	18.50	65.30	33.30	9.00	8.42	70.00
03	9.84	17.90	64.22	33.40	8.60	8.41	77.20
04	13.12	17.00	62.60	33.60	8.20	8.37	61.80
05	16.40	16.50	61.70	33.70	8.60	8.29	81.00

DATE: OCTOBER 1973

STATION: 05 .45 NAUT N. NE OF ISLAND CHAFFEE

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰/‰	O.02 PPM	PH H-ION CONC	TURBIDITY %
00	0.0	16.80	62.24	33.50	8.80	8.40	72.00
01	3.28	16.70	62.06	33.40	8.10	8.40	75.00
02	6.56	16.50	61.70	33.40	8.00	8.39	75.00
03	9.84	16.30	61.34	33.35	8.40	8.60	76.00
04	13.12	16.20	61.16	33.30	7.90	8.41	75.00
05	16.40	16.00	60.80	33.35	7.80	8.40	74.00
06	19.68	16.00	60.80	33.40	7.10	8.36	73.50

MISSING DATA VALUE IS -1.0

DATE: NOVEMBER 1973

STATION: DS 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY N.D.U. CONC.
00	0.0	13.00	35.40	33.70	7.80
01	3.24	13.00	35.40	33.80	7.80
02	6.50	13.00	35.40	33.50	7.80
03	9.74	12.80	35.60	33.50	7.80
04	13.02	12.80	35.60	33.60	7.80
05	16.20	12.80	35.60	33.60	7.80

DATE: DECEMBER 1973

STATION: DS 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY N.D.U. CONC.
00	0.0	12.70	34.30	33.60	7.80
01	3.28	12.80	35.04	33.50	7.80
02	6.56	12.80	35.60	33.50	7.80
03	9.84	12.80	35.60	33.40	7.80
04	13.12	12.80	35.60	33.40	7.80
05	16.40	12.80	35.60	33.60	7.80
06	19.68	12.80	35.60	33.60	7.80

DATE: JANUARY 1974

STATION: DS 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY N.D.U. CONC.
00	0.0	13.40	36.12	32.00	7.80
01	3.24	13.20	35.94	31.90	7.80
02	6.50	13.20	35.76	33.50	7.80
03	9.74	13.20	35.76	33.60	7.80
04	13.02	12.80	35.60	33.70	7.80

DATE: FEBRUARY 1974

STATION: DS 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY N.D.U. CONC.
00	0.0	14.30	37.74	31.30	7.80
01	3.24	14.60	39.20	33.30	7.80
02	6.50	14.70	38.40	33.40	7.80
03	9.74	14.70	38.40	33.40	7.80
04	13.02	14.50	38.10	33.50	7.80
05	16.20	13.80	35.30	33.70	7.80

DATE: MARCH 1974

STATION: DS 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY N.D.U. CONC.
00	0.0	14.70	38.10	33.75	7.80
01	3.24	14.10	38.34	32.95	7.70
02	6.56	14.80	38.44	33.10	7.72
03	9.84	14.10	38.54	33.25	7.70
04	13.12	14.20	38.16	33.25	7.70
05	16.40	14.70	38.46	33.30	7.67

DATE: APRIL 1974

STATION: DS 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY N.D.U. CONC.
00	0.0	15.10	39.14	33.30	7.80
01	3.24	15.10	39.14	33.35	7.80
02	6.56	15.10	39.18	33.40	7.80
03	9.84	15.00	39.00	33.50	7.80
04	13.12	14.50	38.64	33.70	7.70
05	16.40	14.80	38.64	33.70	7.60

DATE: MAY 1974

STATION: DS 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY N.D.U. CONC.
00	0.0	18.70	36.94	-1.00	11.00
01	3.24	18.20	36.74	-1.00	11.00
02	6.56	18.10	36.75	-1.00	10.70
03	9.84	17.20	36.94	-1.00	10.30
04	13.12	16.40	36.52	-1.00	12.00
05	16.40	16.20	36.34	-1.00	9.90

DATE: JUNE 1974

STATION: DS 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY N.D.U. CONC.
00	0.0	19.30	36.78	33.30	8.10
01	3.24	19.50	36.78	29.70	8.10
02	6.56	19.50	36.74	29.70	8.10
03	9.84	17.50	36.56	29.40	7.00
04	13.12	15.20	36.26	30.00	4.70

* Possible probe malfunction

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

DATE: JULY 1974

STATION: 05 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH FEET	TEMPERATURE °F	SALINITY ‰	D+D2 PPM	PH	TURBIDITY %
00	84.0	32.30	-1.00	-1.00	68.00
01	34.24	32.42	-1.00	-1.00	68.00
02	6.56	32.40	-1.00	-1.00	71.00
03	9.84	32.40	-1.00	-1.00	71.00
04	13.12	32.40	-1.00	-1.00	67.00
05	16.40	32.40	-1.00	-1.00	61.00

DATE: AUGUST 1974

STATION: 05 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH FEET	TEMPERATURE °F	SALINITY ‰	D+D2 PPM	PH	TURBIDITY %
00	84.0	32.30	-1.00	-1.00	78.00
01	34.24	32.40	-1.00	-1.00	62.00
02	6.56	32.40	-1.00	-1.00	77.00
03	9.84	32.40	-1.00	-1.00	87.00
04	13.12	32.40	-1.00	-1.00	61.00
05	16.40	32.40	-1.00	-1.00	92.00
06	19.68	32.40	-1.00	-1.00	71.00

DATE: SEPTEMBER 1974

STATION: 05 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH FEET	TEMPERATURE °F	SALINITY ‰	D+D2 PPM	PH	TURBIDITY %
00	84.0	32.40	-1.00	-1.00	57.00
01	34.24	32.40	-1.00	-1.00	65.00
02	6.56	32.40	-1.00	-1.00	71.00
03	9.84	32.40	-1.00	-1.00	72.00
04	13.12	32.40	-1.00	-1.00	72.00

MISSING DATA VALUE IS -1.00

DATE: OCTOBER 1974

STATION: 05 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH FEET	TEMPERATURE °F	SALINITY ‰	D+D2 PPM	PH	TURBIDITY %
00	84.0	32.40	-1.00	-1.00	84.00
01	34.24	32.40	-1.00	-1.00	84.00
02	6.56	32.40	-1.00	-1.00	75.00
03	9.84	32.40	-1.00	-1.00	75.00
04	13.12	32.40	-1.00	-1.00	76.00
05	16.40	32.40	-1.00	-1.00	84.00
06	19.68	32.40	-1.00	-1.00	72.00

DATE: NOVEMBER 1974

STATION: 05 445 NAUT M. NE OF ISLAND CHAFFEE

DEPTH FEET	TEMPERATURE °F	SALINITY ‰	D+D2 PPM	PH	TURBIDITY %
00	84.0	32.40	-1.00	-1.00	84.00
01	34.24	32.40	-1.00	-1.00	84.00
02	6.56	32.40	-1.00	-1.00	84.00
03	9.84	32.40	-1.00	-1.00	84.00
04	13.12	32.40	-1.00	-1.00	84.00
05	16.40	32.40	-1.00	-1.00	84.00

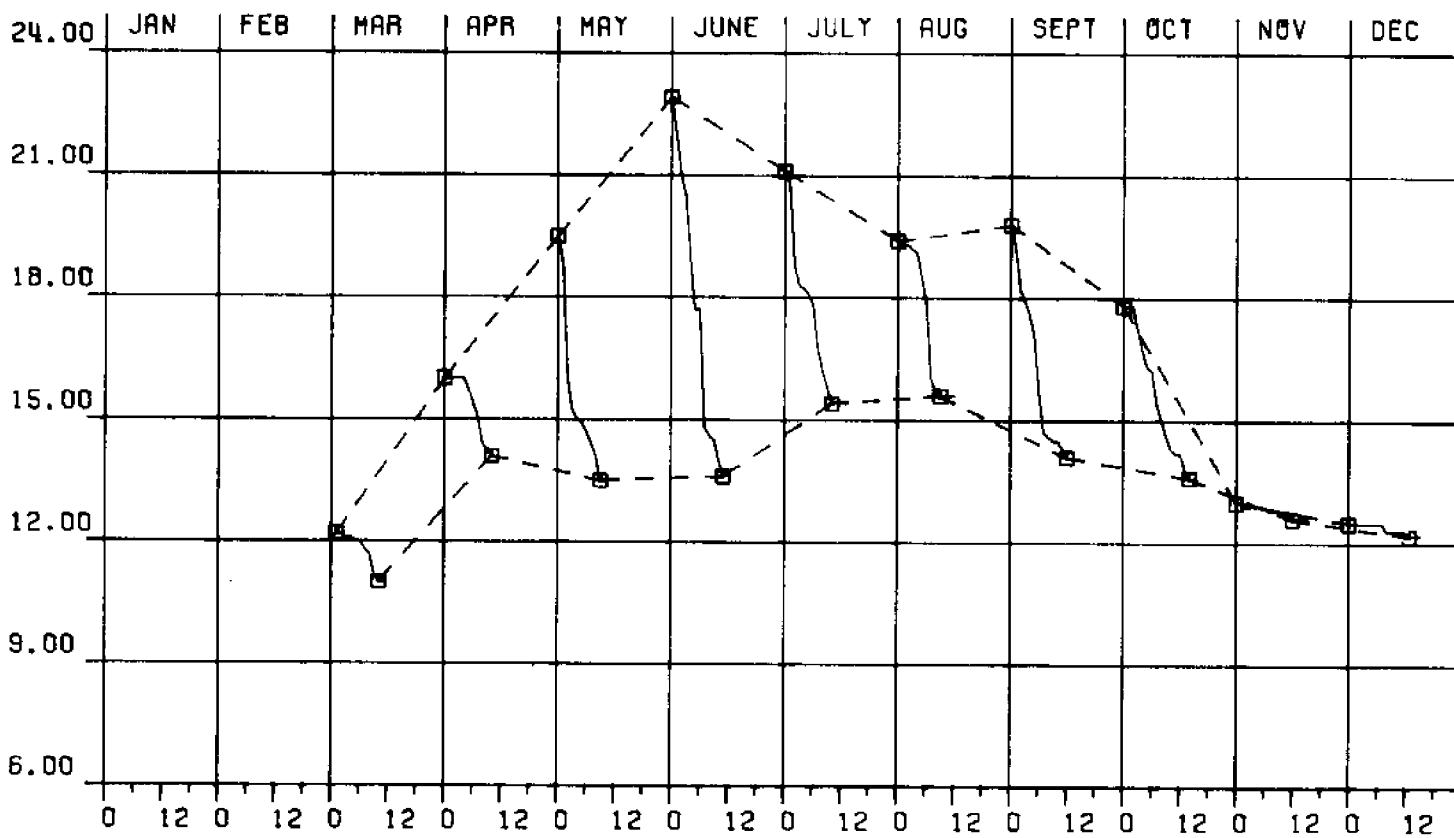
DATE: DECEMBER 1974

STATION: 05 445 NAUT M. NE OF ISLAND CHAFFEE

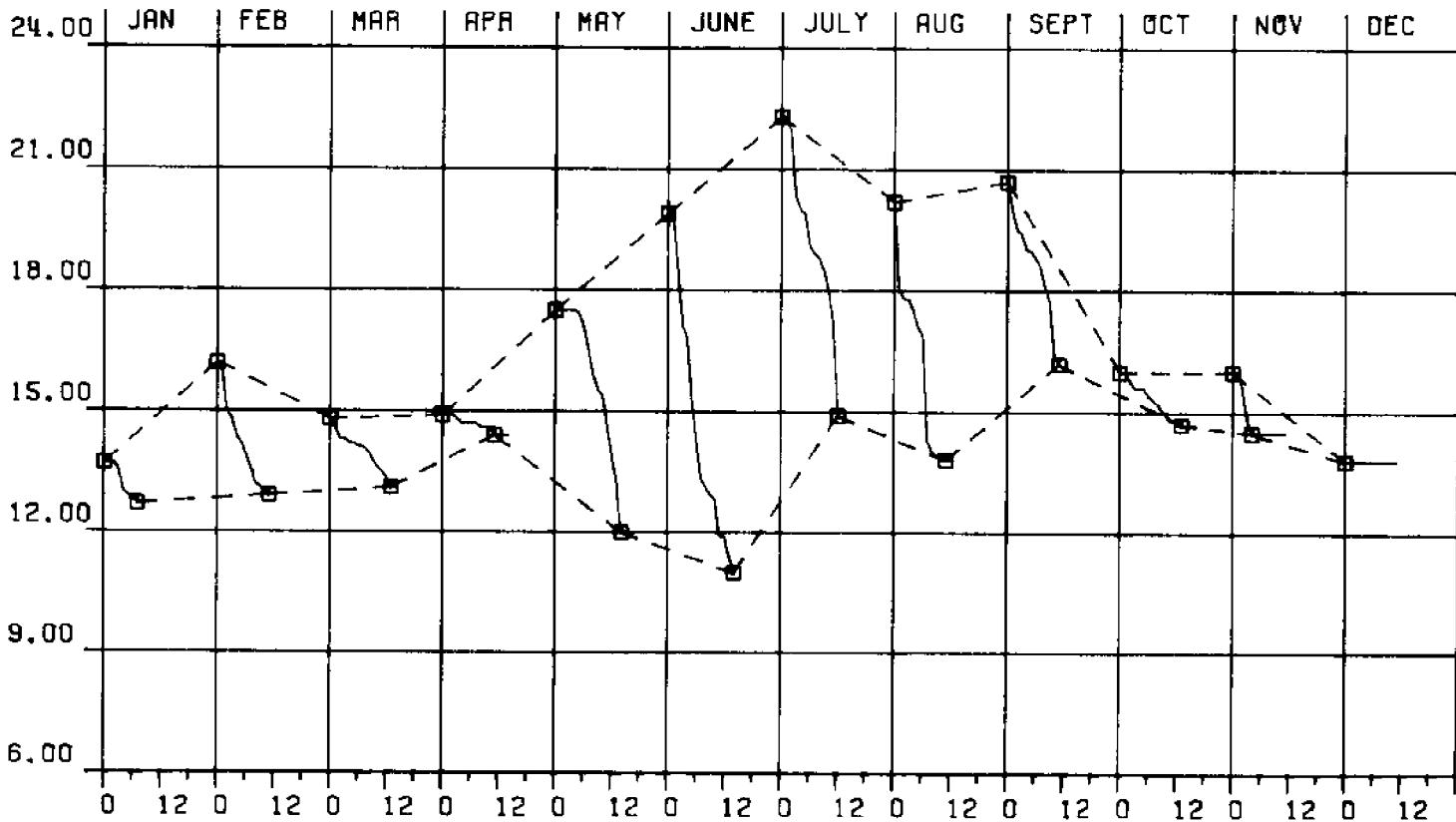
DEPTH FEET	TEMPERATURE °F	SALINITY ‰	D+D2 PPM	PH	TURBIDITY %
00	84.0	32.40	-1.00	-1.00	64.00
01	34.24	32.40	-1.00	-1.00	66.00
02	6.56	32.40	-1.00	-1.00	65.00
03	9.84	32.40	-1.00	-1.00	65.00
04	13.12	32.40	-1.00	-1.00	62.00
05	16.40	32.40	-1.00	-1.00	64.00
06	19.68	32.40	-1.00	-1.00	58.00

MISSING DATA VALUE IS -1.00

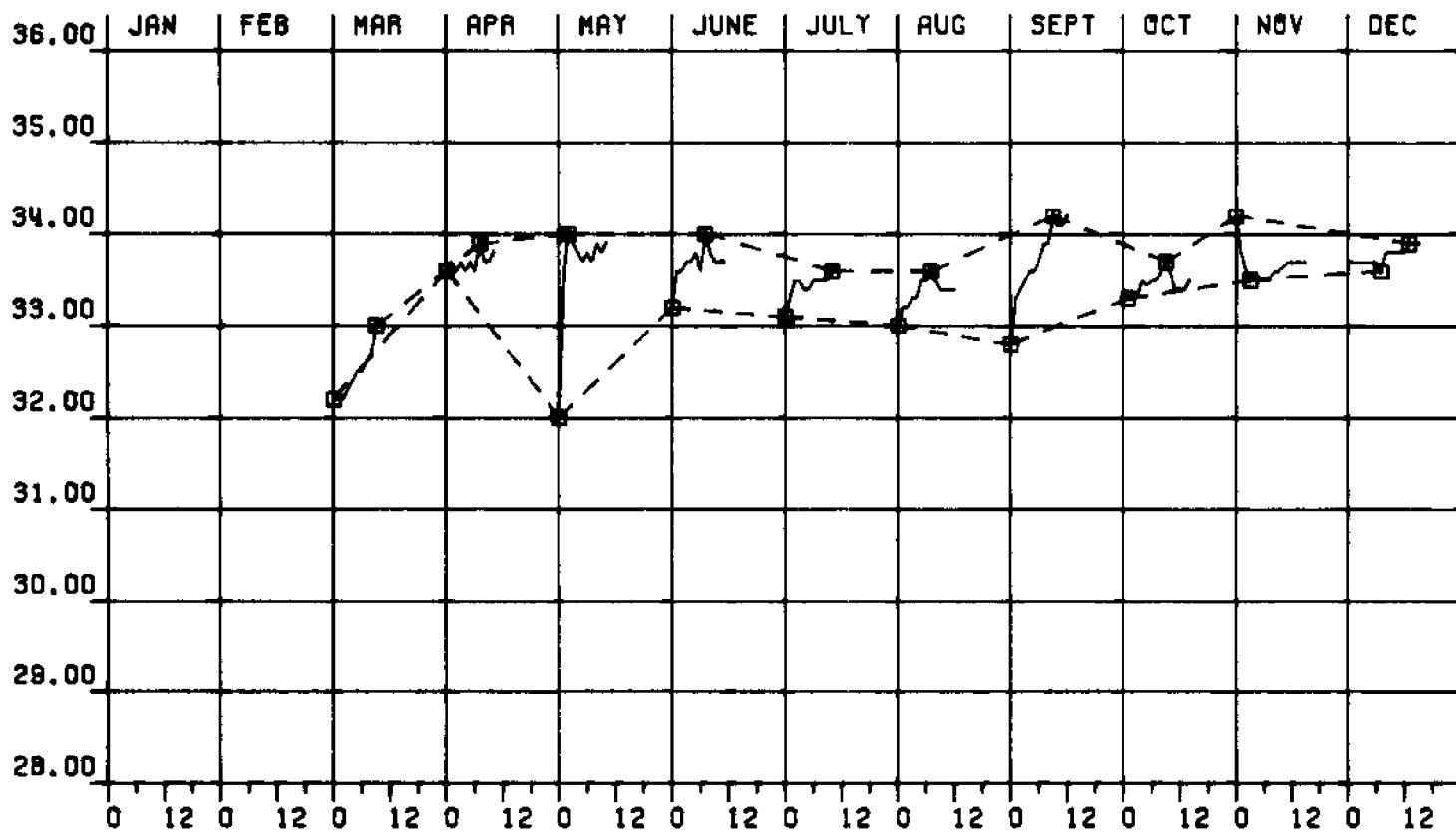
D6 .3 NAUT M. SE OF ISLAND CHAFFEE
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



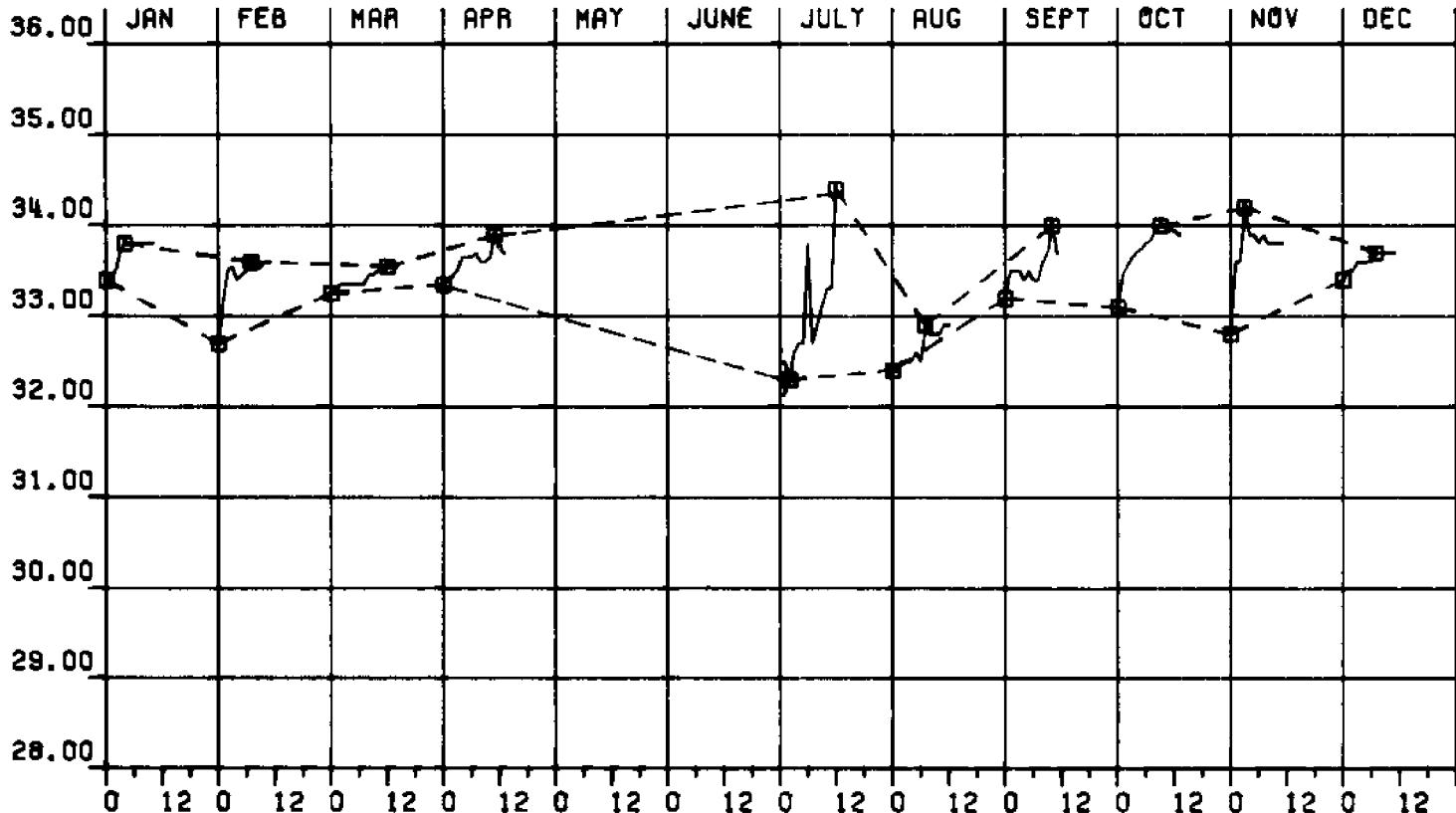
D6 .3 NAUT M. SE OF ISLAND CHAFFEE
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



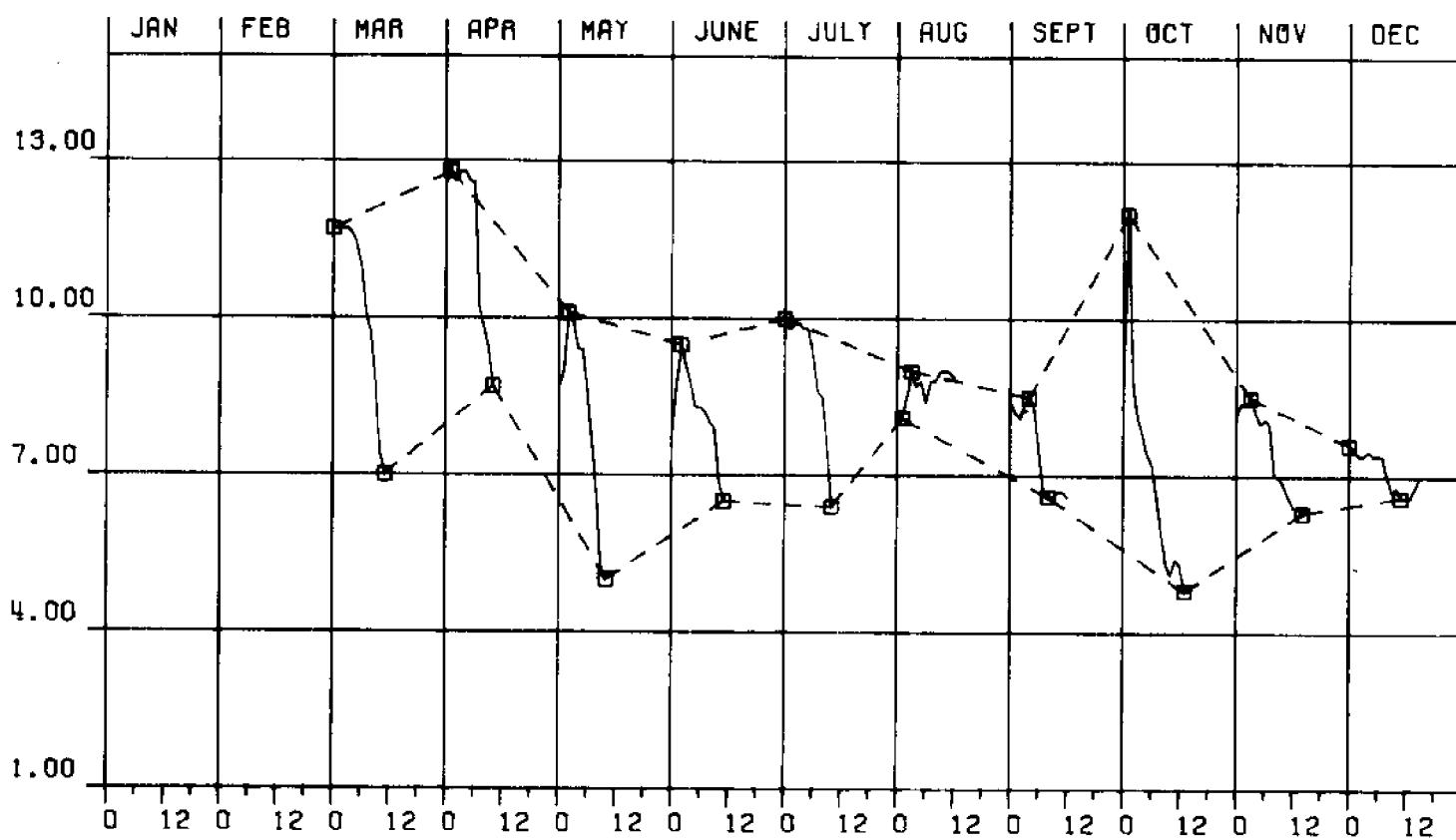
D6 .3 NAUT M. SE OF ISLAND CHAFFEE
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



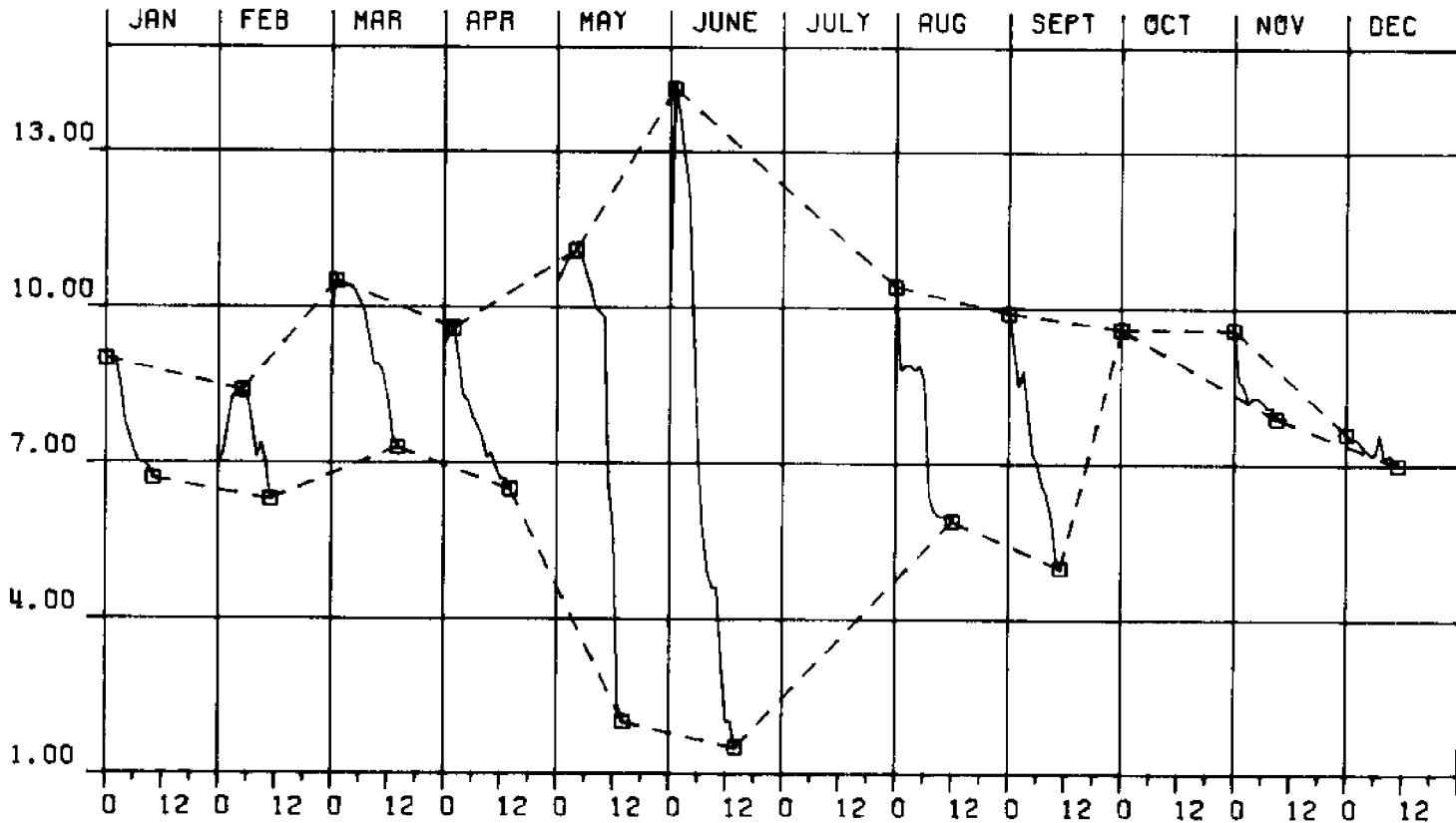
D6 .3 NAUT M. SE OF ISLAND CHAFFEE
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



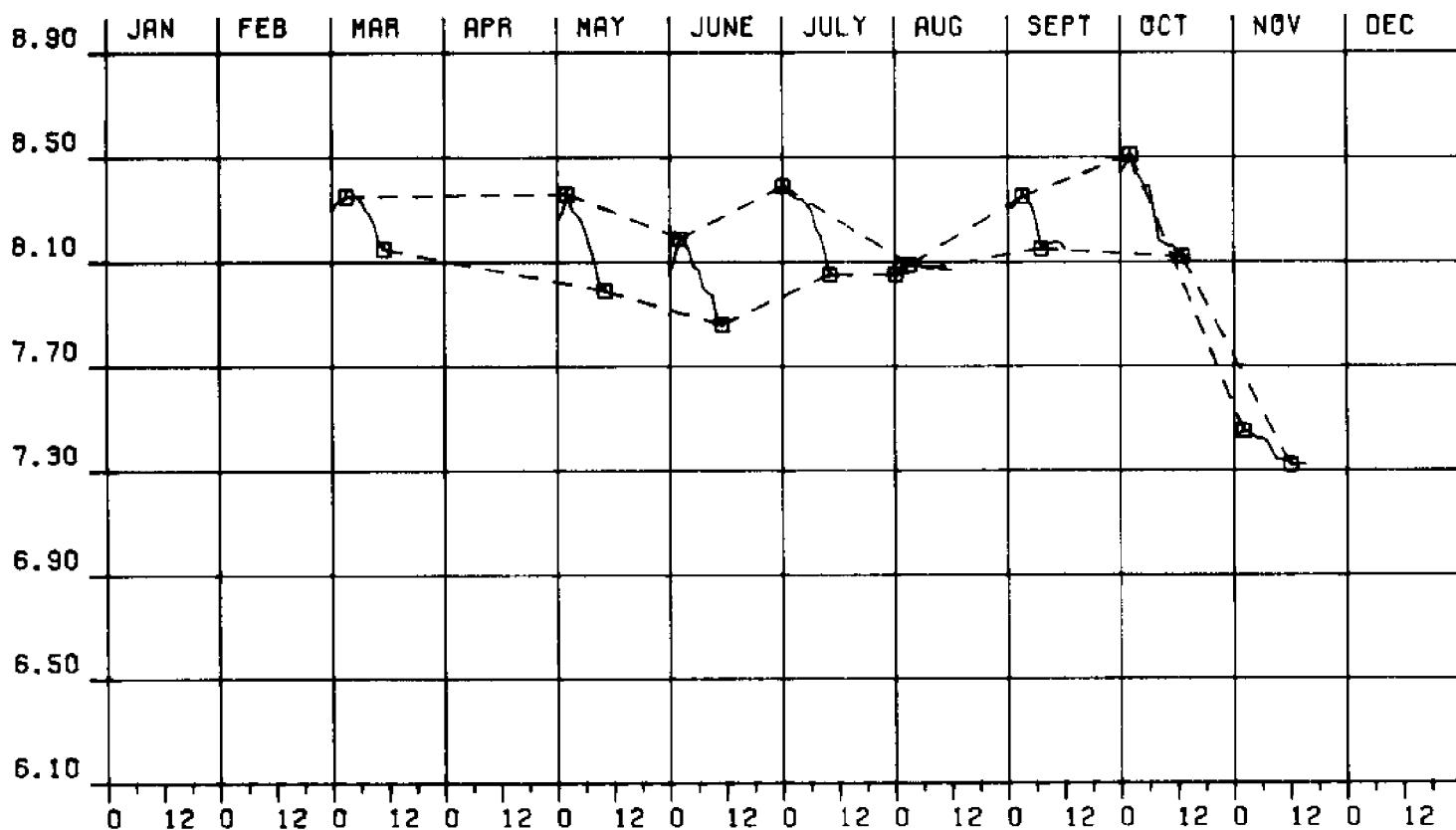
06 .3 NAUT M. SE OF ISLAND CHAFFEE
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



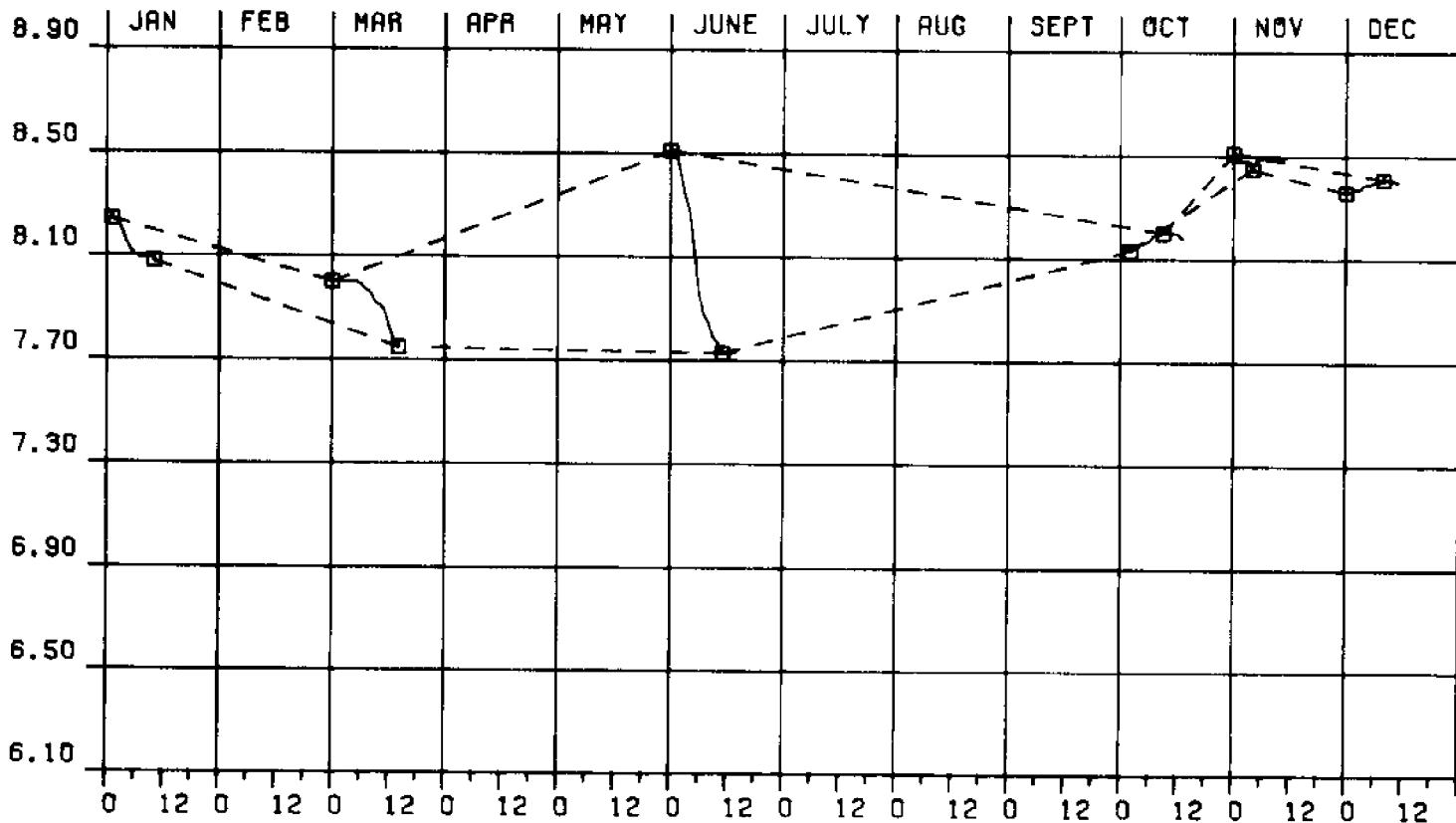
06 .3 NAUT M. SE OF ISLAND CHAFFEE
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



06 .3 NAUT M. SE OF ISLAND CHAFFEE
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



06 .3 NAUT M. SE OF ISLAND CHAFFEE
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MARCH 1973

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	9.0	12.10	53.78	32.20	11.70
01	3.28	12.20	53.96	32.20	11.70
02	6.56	12.20	53.96	32.20	11.70
03	9.84	12.10	53.78	32.30	11.70
04	13.12	12.10	53.78	32.40	11.60
05	16.40	12.00	53.60	32.50	11.40
06	19.68	12.00	53.60	32.50	11.00
07	22.96	11.80	53.24	32.60	10.10
08	26.24	11.70	53.06	32.70	9.70
09	29.52	11.20	52.16	33.00	8.80
10	32.80	11.00	51.80	33.00	7.40
11	36.08	11.00	51.80	33.00	7.00

DATE: JUNE 1973

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	9.0	22.90	73.22	33.20	7.70
01	3.28	22.00	71.60	33.60	8.70
02	6.56	21.00	69.80	33.60	9.50
03	9.84	20.50	68.90	33.70	9.10
04	13.12	18.90	66.02	33.70	8.14
05	16.40	17.70	63.86	33.80	8.08
06	19.68	17.70	63.86	33.60	8.30
07	22.96	16.80	58.64	34.00	8.20
08	26.24	16.80	58.28	33.80	8.00
09	29.52	16.50	58.10	33.70	7.90
10	32.80	16.00	57.20	33.70	6.90
11	36.08	15.60	56.48	33.70	6.50

DATE: APRIL 1973

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	16.00	60.80	33.60	12.60
01	3.28	16.00	60.80	33.70	12.50
02	6.56	16.00	60.80	33.60	12.60
03	9.84	16.00	60.80	33.70	12.60
04	13.12	16.00	60.80	33.60	12.60
05	16.40	15.70	60.26	33.70	12.60
06	19.68	15.40	59.72	33.60	12.60
07	22.96	15.00	59.00	13.90	10.20
08	26.24	14.40	57.92	33.70	9.80
09	29.52	14.20	57.56	33.70	9.60
10	32.80	14.10	57.36	33.80	8.70

DATE: JULY 1973

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	21.10	69.98	33.10	10.00
01	3.28	20.80	69.44	33.30	9.80
02	6.56	19.50	65.84	33.50	9.90
03	9.84	18.30	64.94	33.50	9.90
04	13.12	18.20	64.76	33.40	9.80
05	16.40	18.10	64.58	33.40	9.80
06	19.68	17.80	64.04	33.50	9.30
07	22.96	16.80	62.24	33.80	8.23
08	26.24	16.20	61.16	33.50	8.50
09	29.52	15.60	60.44	33.50	7.60
10	32.80	15.40	59.72	33.60	6.40

DATE: MAY 1973

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	19.50	67.10	32.00	8.70
01	3.28	18.80	65.84	33.60	9.00
02	6.56	18.00	60.80	34.00	10.10
03	9.84	18.20	59.36	33.90	9.90
04	13.12	18.00	59.00	33.50	9.40
05	16.40	14.90	58.82	33.70	9.60
06	19.68	14.70	58.46	33.80	8.60
07	22.96	14.40	57.92	33.70	7.60
08	26.24	14.10	57.36	33.90	6.00
09	29.52	13.50	56.30	33.80	5.20
10	32.80	13.50	56.30	33.90	5.00

DATE: AUGUST 1973

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH H.ION CONC	TURBIDITY %
00	0.0	19.40	66.92	33.00	8.20
01	3.28	19.30	66.74	33.20	8.10
02	6.56	19.30	66.74	33.20	8.50
03	9.84	19.20	66.56	33.30	9.00
04	13.12	19.10	66.38	33.30	8.70
05	16.40	18.50	65.30	33.50	8.80
06	19.68	17.90	64.22	33.50	8.40
07	22.96	16.00	60.80	33.80	8.80
08	26.24	15.70	60.26	33.80	8.80
09	29.52	15.60	60.08	33.40	9.00
10	32.80	15.60	60.08	33.40	9.00
11	36.08	15.60	60.08	33.40	9.00
12	39.36	15.60	60.08	33.40	8.90

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1973

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY PPT	O.02 PPM	PH H.ION CONC	TURBIDITY %		
FEET	F	P	PPM	H.ION CONC	%		
00	24.0	19.80	67.64	32.80	8.40	8.31	73.00
01	3.28	19.20	66.50	33.30	8.20	8.31	74.00
02	6.56	18.20	64.76	33.40	8.10	8.34	74.00
03	9.84	17.90	64.22	33.50	8.40	8.35	85.00
04	13.12	17.60	63.68	33.60	8.50	8.34	85.00
05	16.40	17.00	62.60	33.60	8.30	8.31	86.50
06	19.68	15.70	60.26	33.70	7.50	8.25	88.00
07	22.96	14.70	58.46	33.90	6.70	8.15	88.00
08	26.24	14.60	58.28	33.90	6.50	8.17	85.50
09	29.52	14.50	58.10	34.20	6.50	8.17	83.50
10	32.80	14.50	58.10	34.10	6.70	8.14	83.00
11	36.08	14.30	57.74	34.10	6.70	8.17	82.00
12	39.36	14.10	57.36	34.20	6.50	8.15	81.00

DATE: OCTOBER 1973

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY PPT	O.02 PPM	PH H.ION CONC	TURBIDITY %		
FEET	F	P	PPM	H.ION CONC	%		
00	24.0	17.80	64.04	33.40	8.30	8.44	69.00
01	3.28	17.80	64.04	33.30	12.00	8.47	73.00
02	6.56	17.80	64.04	33.30	8.40	8.51	73.00
03	9.84	17.20	62.96	33.35	8.10	8.44	72.00
04	13.12	16.70	62.06	33.50	7.80	8.42	76.50
05	16.40	16.30	61.34	33.45	7.40	8.39	79.00
06	19.68	16.20	61.16	33.50	7.20	8.39	82.00
07	22.96	15.40	59.72	33.50	6.00	8.29	83.00
08	26.24	15.00	59.00	33.60	5.90	8.18	80.00
09	29.52	14.60	58.28	33.70	5.30	8.17	78.00
10	32.80	14.30	57.74	33.60	5.10	8.16	76.00
11	36.08	14.20	57.56	33.60	5.40	8.16	72.00
12	39.36	14.20	57.56	33.40	5.30	8.16	71.00
13	42.64	13.80	56.84	33.40	4.80	8.12	69.00
14	45.92	13.60	56.48	33.50	4.80	8.12	50.00

DATE: NOVEMBER 1973

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY PPT	O.02 PPM	PH H.ION CONC	TURBIDITY %		
FEET	F	P	PPM	H.ION CONC	%		
00	24.0	13.00	55.40	34.20	8.20	7.94	77.00
01	3.28	13.00	55.40	33.80	8.40	7.44	81.00
02	6.56	12.90	55.22	33.60	8.40	7.45	83.00
03	9.84	12.90	55.22	33.50	8.50	7.45	83.00
04	13.12	12.90	55.22	33.60	8.20	7.43	83.00
05	16.40	12.90	55.22	33.50	8.00	7.42	83.50
06	19.68	12.90	55.22	33.50	8.10	7.42	85.00
07	22.96	12.80	55.04	33.50	6.00	7.41	85.00
08	26.24	12.80	55.04	33.60	7.00	7.37	85.00
09	29.52	12.80	55.04	33.60	7.00	7.34	86.00
10	32.80	12.80	55.04	33.65	6.80	7.34	84.50
11	36.08	12.80	55.04	33.70	6.80	7.34	84.50
12	39.36	12.80	54.68	33.70	6.40	7.32	77.50
13	42.64	12.80	54.68	33.70	6.40	7.32	71.50
14	45.92	12.80	54.68	33.70	6.30	7.32	69.00
15	49.20	12.80	54.68	33.70	6.40	7.32	-1.00

DATE: DECEMBER 1973

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY PPT	O.02 PPM	PH H.ION CONC	TURBIDITY %		
FEET	F	P	PPM	H.ION CONC	%		
00	0.0	12.50	54.50	33.70	7.80	-1.00	73.50
01	3.28	12.50	54.50	33.70	7.80	-1.00	74.50
02	6.56	12.50	54.50	33.70	7.80	-1.00	75.00
03	9.84	12.50	54.50	33.70	7.80	-1.00	76.00
04	13.12	12.50	54.50	33.70	7.80	-1.00	76.10
05	16.40	12.50	54.50	33.70	7.80	-1.00	76.90
06	19.68	12.50	54.50	33.70	7.80	-1.00	77.50
07	22.96	12.50	54.50	33.80	7.80	-1.00	77.90
08	26.24	12.30	54.14	33.80	7.80	-1.00	74.90
09	29.52	12.30	54.14	33.80	6.70	-1.00	74.50
10	32.80	12.30	54.14	33.80	6.80	-1.00	73.50
11	36.08	12.30	54.14	33.80	6.80	-1.00	69.90
12	39.36	12.30	54.14	33.80	6.80	-1.00	66.20
13	42.64	12.20	53.96	33.80	6.80	-1.00	66.00
14	45.92	12.20	53.96	33.80	6.80	-1.00	70.50
15	49.20	12.20	53.96	33.80	7.00	-1.00	71.00

DATE: JANUARY 1974

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY PPT	O.02 PPM	PH H.ION CONC	TURBIDITY %		
FEET	F	P	PPM	H.ION CONC	%		
00	0.0	13.70	56.66	33.40	9.00	8.23	81.00
01	3.28	13.70	56.66	33.40	9.00	8.24	84.00
02	6.56	13.70	56.66	33.50	9.00	8.23	84.50
03	9.84	13.50	56.30	33.70	8.50	8.20	84.50
04	13.12	13.00	56.40	33.80	7.80	8.15	83.00
05	16.40	12.90	55.22	33.80	7.50	8.12	80.00
06	19.68	12.80	55.04	33.80	7.20	8.10	78.00
07	22.96	12.70	54.86	33.80	7.00	8.09	76.00
08	26.24	12.70	54.86	33.80	7.00	8.09	71.00
09	29.52	12.70	54.86	33.80	6.90	8.10	69.00
10	32.80	12.70	54.86	33.80	6.70	8.08	68.00

DATE: FEBRUARY 1974

STATION: D6 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY PPT	O.02 PPM	PH H.ION CONC	TURBIDITY %		
FEET	F	P	PPM	H.ION CONC	%		
00	0.0	16.20	61.16	32.70	7.00	-1.00	63.50
01	3.28	16.00	60.80	33.15	7.20	-1.00	85.00
02	6.56	15.00	59.00	33.50	7.80	-1.00	89.00
03	9.84	14.80	58.64	33.55	8.30	-1.00	89.50
04	13.12	14.40	57.92	33.40	8.30	-1.00	84.50
05	16.40	14.20	57.46	33.45	8.40	-1.00	87.00
06	19.68	13.90	57.02	33.50	8.30	-1.00	86.00
07	22.96	13.60	56.48	33.60	7.80	-1.00	85.00
08	26.24	13.20	55.76	33.65	7.80	-1.00	73.00
09	29.52	13.10	55.58	33.65	7.40	-1.00	72.00
10	32.80	13.00	55.40	33.60	7.00	-1.00	79.50
11	36.08	12.90	55.22	33.60	6.30	-1.00	75.00

MISSING DATA VALUE IS -1.00

DATE: MARCH 1974
STATION: 06 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET	F		0.02		
00	0.0	14.80	58.64	33.25	10.00
01	3.28	14.60	58.28	33.30	10.50
02	6.56	14.30	57.74	33.35	10.40
03	9.84	14.30	57.74	33.35	10.40
04	13.12	14.20	57.56	33.35	10.40
05	16.40	14.20	57.56	33.35	10.30
06	19.68	14.10	57.38	33.35	10.10
07	22.96	14.10	57.38	33.35	9.90
08	26.24	14.00	57.20	33.45	9.40
09	29.52	13.80	56.84	33.45	8.90
10	32.80	13.60	56.48	33.50	8.90
11	36.08	13.60	56.30	33.50	8.70
12	39.36	13.30	55.92	33.55	8.20
13	42.64	13.10	55.56	33.55	7.50
14	45.92	13.10	55.56	33.55	7.30

DATE: JUNE 1974
STATION: 06 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET	F		0.02		
00	0.0	19.90	57.82	28.90	9.80
01	3.28	19.80	57.64	29.00	14.20
02	6.56	19.50	57.30	29.90	13.70
03	9.84	17.10	52.78	29.60	12.90
04	13.12	16.80	52.24	29.60	12.20
05	16.40	15.20	59.36	29.90	9.70
06	19.68	14.20	57.56	29.90	7.00
07	22.96	13.30	55.94	30.00	5.70
08	26.24	13.10	55.58	29.80	4.90
09	29.52	12.90	55.22	29.60	4.60
10	32.80	12.80	55.04	29.60	4.60
11	36.08	11.90	53.42	29.60	3.20
12	39.36	11.90	53.42	29.60	2.00
13	42.64	11.40	52.52	29.70	2.00
14	45.92	11.00	51.80	29.90	1.50

* Possible probe malfunction

DATE: APRIL 1974

STATION: 06 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET	F		0.02		
00	0.0	14.00	58.82	33.35	9.30
01	3.28	14.90	58.82	33.40	9.50
02	6.56	14.90	58.82	33.45	9.60
03	9.84	14.80	58.64	33.50	9.00
04	13.12	14.70	58.46	33.65	8.30
05	16.40	14.70	58.46	33.65	8.20
06	19.68	14.70	58.46	33.65	7.90
07	22.96	14.70	58.46	33.70	7.70
08	26.24	14.60	58.28	33.60	7.50
09	29.52	14.60	58.28	33.60	7.10
10	32.80	14.60	58.28	33.65	7.20
11	36.08	14.40	57.92	33.90	6.90
12	39.36	14.40	57.92	33.75	6.70
13	42.64	14.40	57.92	33.70	6.70
14	45.92	14.40	57.92	33.65	6.50

DATE: JULY 1974

STATION: 06 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET	F		0.02		
00	0.0	22.30	72.14	32.50	-1.00
01	3.28	22.30	72.14	32.50	+1.00
02	6.56	21.90	71.42	32.30	+1.00
03	9.84	20.30	68.54	32.60	-1.00
04	13.12	20.00	68.00	32.70	-1.00
05	16.40	19.90	67.82	32.70	-1.00
06	19.68	19.10	66.38	33.80	-1.00
07	22.96	18.90	66.02	32.70	-1.00
08	26.24	18.80	65.84	32.90	-1.00
09	29.52	18.50	65.30	33.10	-1.00
10	32.80	18.00	64.40	33.30	-1.00
11	36.08	17.20	62.90	33.30	-1.00
12	39.36	14.90	58.82	34.60	-1.00

DATE: AUGUST 1974

STATION: 06 +3 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET	F		0.02		
00	0.0	20.20	68.36	32.40	10.40
01	3.28	18.00	66.40	32.40	8.80
02	6.56	17.80	66.04	32.60	8.90
03	9.84	17.00	64.04	32.50	8.90
04	13.12	17.50	63.50	32.50	8.80
05	16.40	17.10	62.78	32.60	4.90
06	19.68	16.90	62.42	32.50	8.80
07	22.96	14.30	57.74	32.90	6.40
08	26.24	14.00	57.70	32.80	6.10
09	29.52	13.90	57.02	32.80	6.00
10	32.80	13.90	57.02	32.80	6.00
11	36.08	13.80	56.84	32.90	6.00
12	39.36	13.80	56.84	32.90	6.00

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1974

STATION: DK 43 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY NTU CONC		
00	26.0	36.70	89.26	37.20	8.90	-1.00	52.00
01	32.28	26.00	89.00	37.50	8.90	-1.00	53.50
02	4.56	19.50	87.10	35.50	8.50	-1.00	65.00
03	9.84	19.40	86.92	35.50	8.50	-1.00	65.50
04	13.12	19.00	86.20	35.40	8.50	-1.00	65.00
05	16.40	19.00	86.20	35.50	8.20	-1.00	65.50
06	19.68	18.80	86.94	35.40	7.00	-1.00	65.50
07	22.96	18.00	85.86	35.40	6.50	-1.00	65.00
08	26.24	18.10	86.58	35.50	6.50	-1.00	67.00
09	29.52	17.70	83.86	35.70	7.00	-1.00	64.50
10	32.80	16.40	81.52	34.00	5.20	-1.00	62.50
11	36.08	16.20	81.16	33.70	5.00	-1.00	43.00

DATE: NOVEMBER 1974

STATION: DK 43 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY NTU CONC		
00	26.0	16.00	86.80	32.80	8.60	8.51	-1.00
01	32.28	15.00	86.80	33.60	8.60	8.48	-1.00
02	4.56	15.80	86.08	33.60	8.50	8.48	-1.00
03	9.84	14.85	84.84	34.20	8.20	8.48	-1.00
04	13.12	14.50	86.10	33.90	8.10	8.45	-1.00
05	16.40	14.50	86.10	33.90	8.30	8.45	-1.00
06	19.68	14.50	86.10	34.80	8.20	8.45	-1.00
07	22.96	14.50	86.10	32.90	8.10	8.50	-1.00
08	26.24	14.50	86.10	33.80	8.10	8.50	-1.00
09	29.52	14.50	86.10	33.80	7.90	8.48	-1.00
10	32.80	14.50	86.10	33.80	7.90	8.48	-1.00
11	36.08	14.50	86.10	33.80	7.90	8.48	-1.00

DATE: OCTOBER 1974

STATION: DK 43 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY NTU CONC		
00	9.0	16.00	80.80	35.10	9.60	8.14	86.00
01	3.28	15.00	80.80	33.45	-1.00	8.15	88.50
02	6.56	15.80	80.64	33.50	-1.00	9.10	91.00
03	9.84	15.60	80.68	33.65	-1.00	8.15	90.00
04	13.12	15.60	80.68	33.70	-1.00	8.16	91.00
05	16.40	15.60	80.68	33.75	-1.00	8.16	91.00
06	19.68	15.40	80.72	33.60	-1.00	8.17	91.00
07	22.96	15.10	80.54	33.85	-1.00	8.19	94.00
08	26.24	15.20	80.36	33.95	-1.00	8.19	95.00
09	29.52	15.00	80.00	34.00	-1.00	8.20	98.00
10	32.80	14.90	80.82	34.00	-1.00	8.20	98.50
11	36.08	14.80	80.64	33.95	-1.00	8.20	98.50
12	39.36	14.80	80.64	33.95	-1.00	8.20	-1.00
13	42.64	14.70	80.64	33.90	-1.00	8.19	-1.00

DATE: DECEMBER 1974

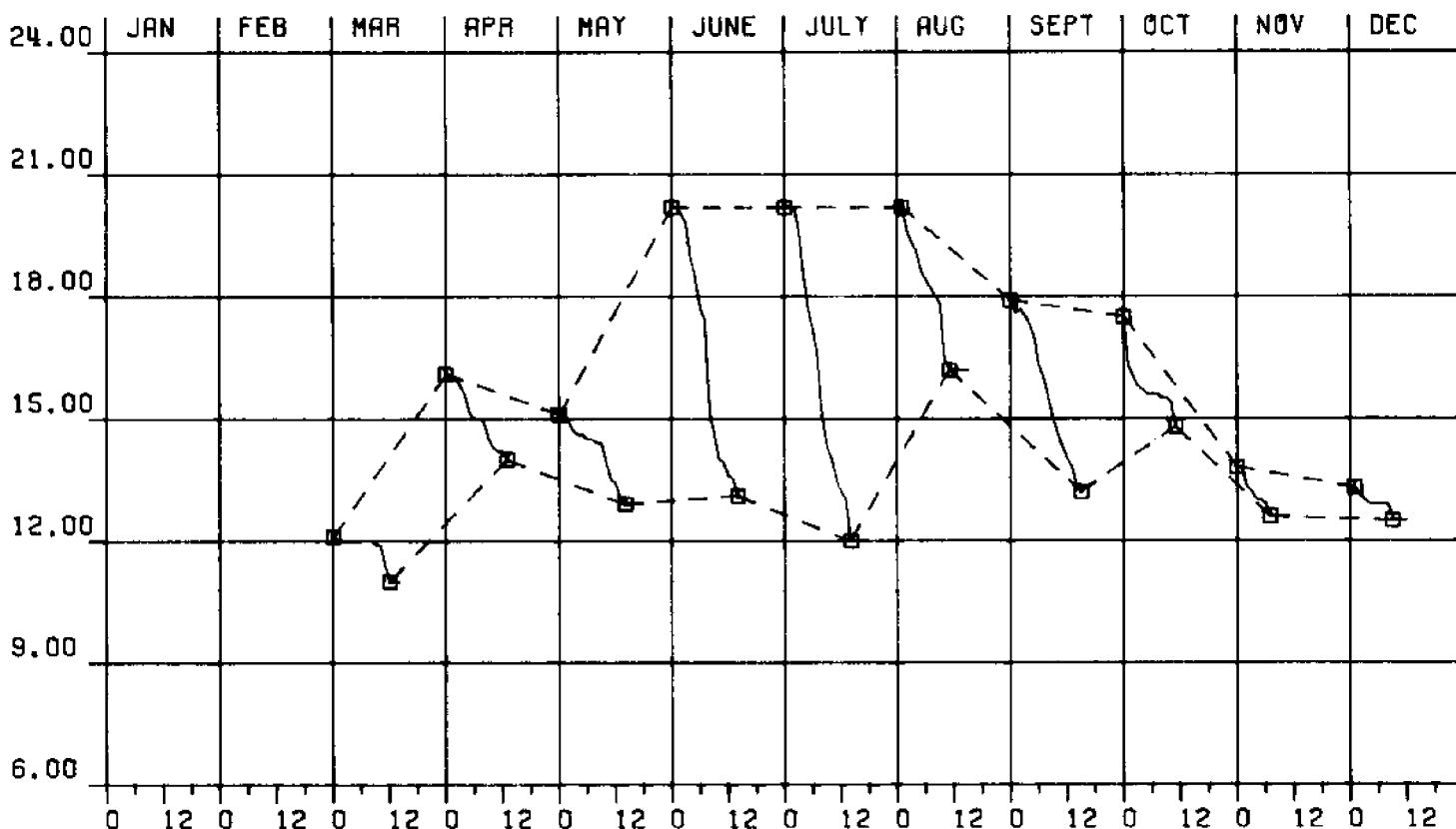
STATION: DK 43 NAUT M. SE OF ISLAND CHAFFEE

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O2 PPM	PH	TURBIDITY NTU CONC		
00	9.0	11.40	86.84	33.40	7.80	8.36	63.50
01	3.28	11.40	86.84	33.50	7.80	8.36	62.50
02	6.56	11.40	86.84	33.50	7.80	8.37	62.50
03	9.84	11.40	86.84	33.60	7.80	8.37	61.50
04	13.12	11.40	86.84	33.60	7.80	8.39	61.50
05	16.40	11.40	86.84	33.60	7.80	8.39	62.00
06	19.68	11.40	86.84	33.60	7.80	8.40	62.50
07	22.96	11.10	86.84	33.70	7.80	8.40	63.50
08	26.24	11.20	86.84	33.70	7.80	8.41	64.50
09	29.52	11.00	86.84	33.70	7.80	8.41	65.00
10	32.80	11.00	86.84	33.70	7.80	8.41	65.50
11	36.08	11.00	86.84	33.70	7.80	8.41	66.00
12	39.36	11.00	86.84	33.70	7.80	8.41	66.50
13	42.64	11.00	86.84	33.70	7.80	8.41	67.00

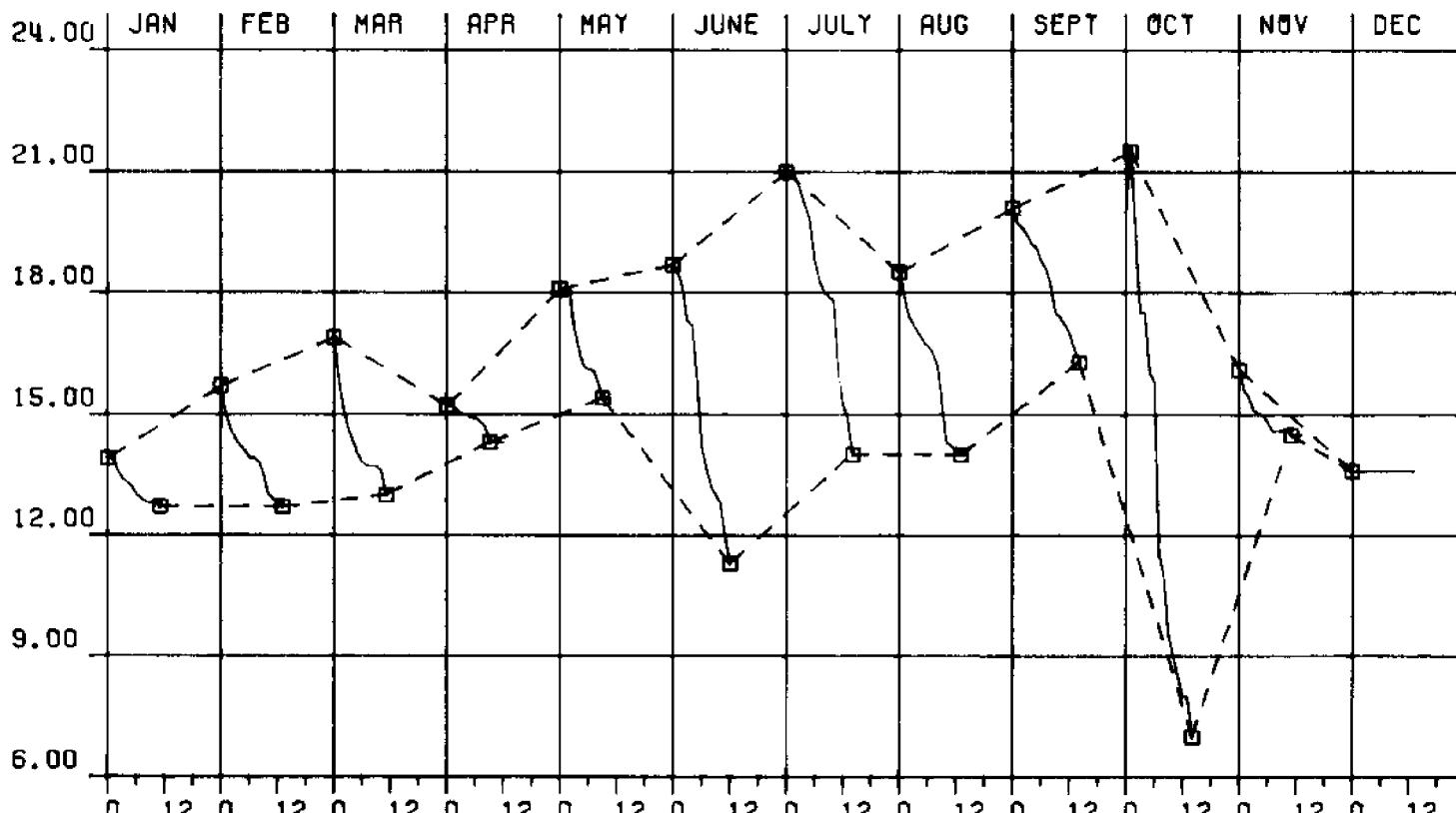
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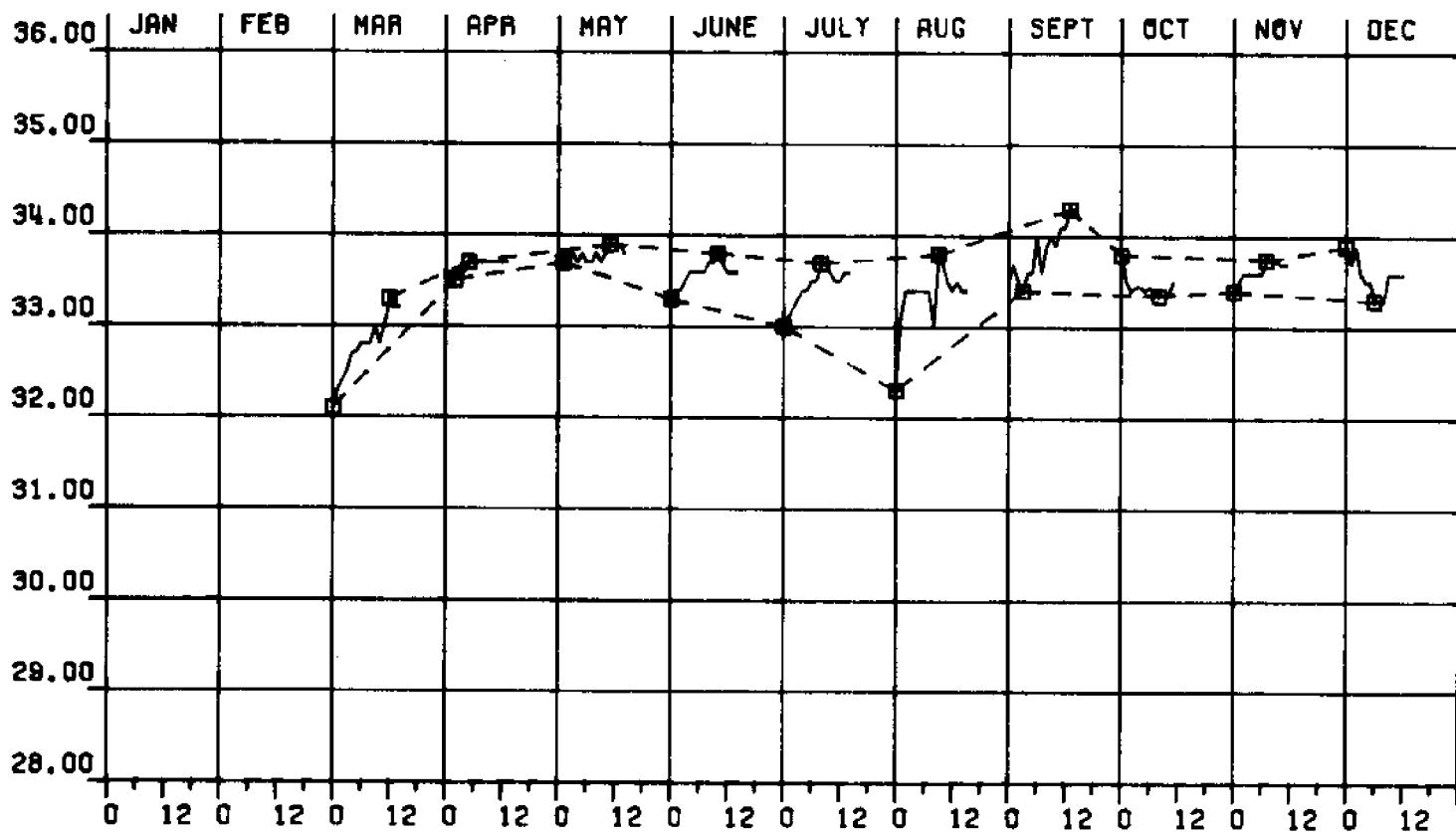
07 1100 YARDS S OF ISLAND FREEMAN
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



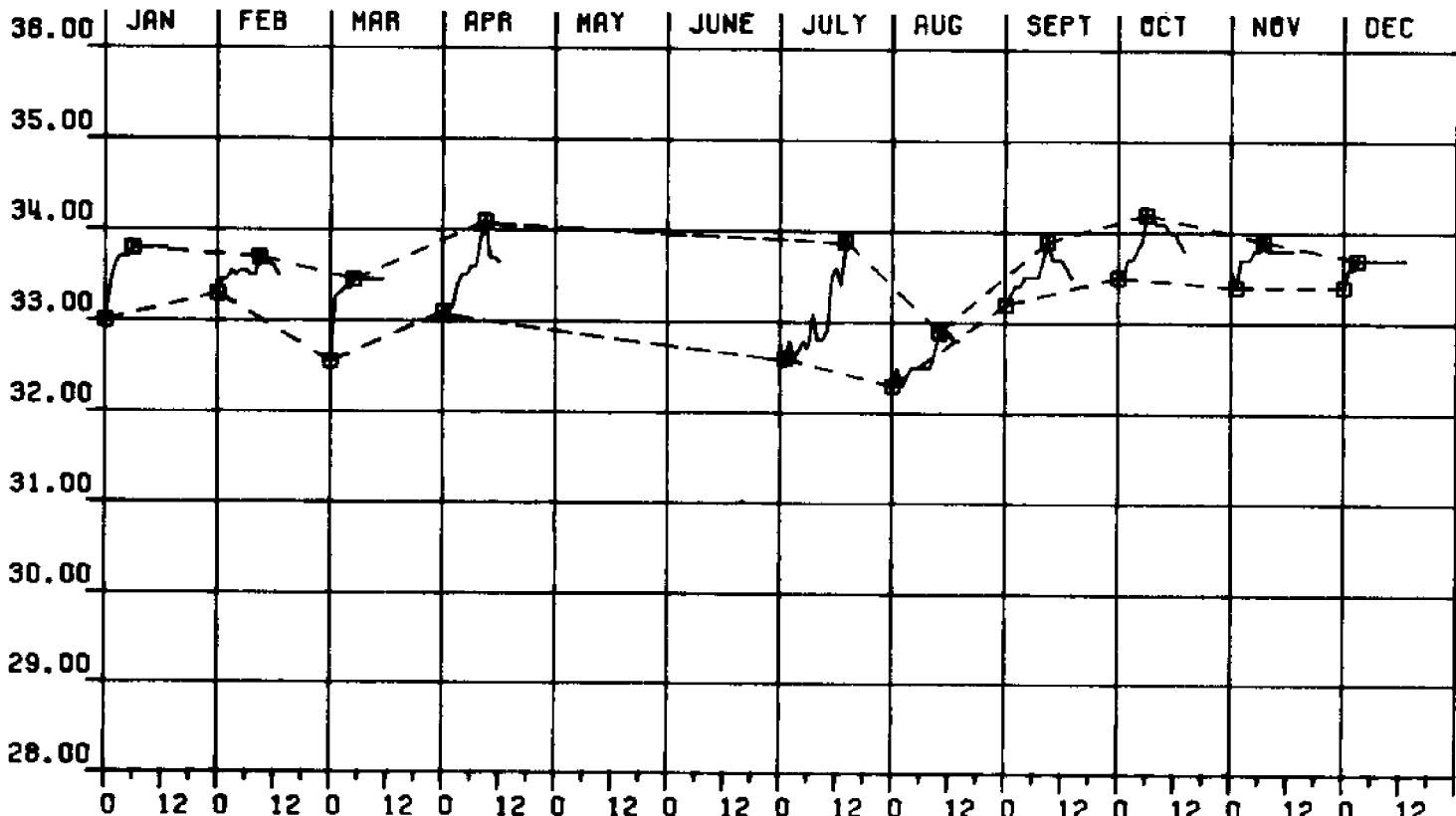
07 1100 YARDS S OF ISLAND FREEMAN
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



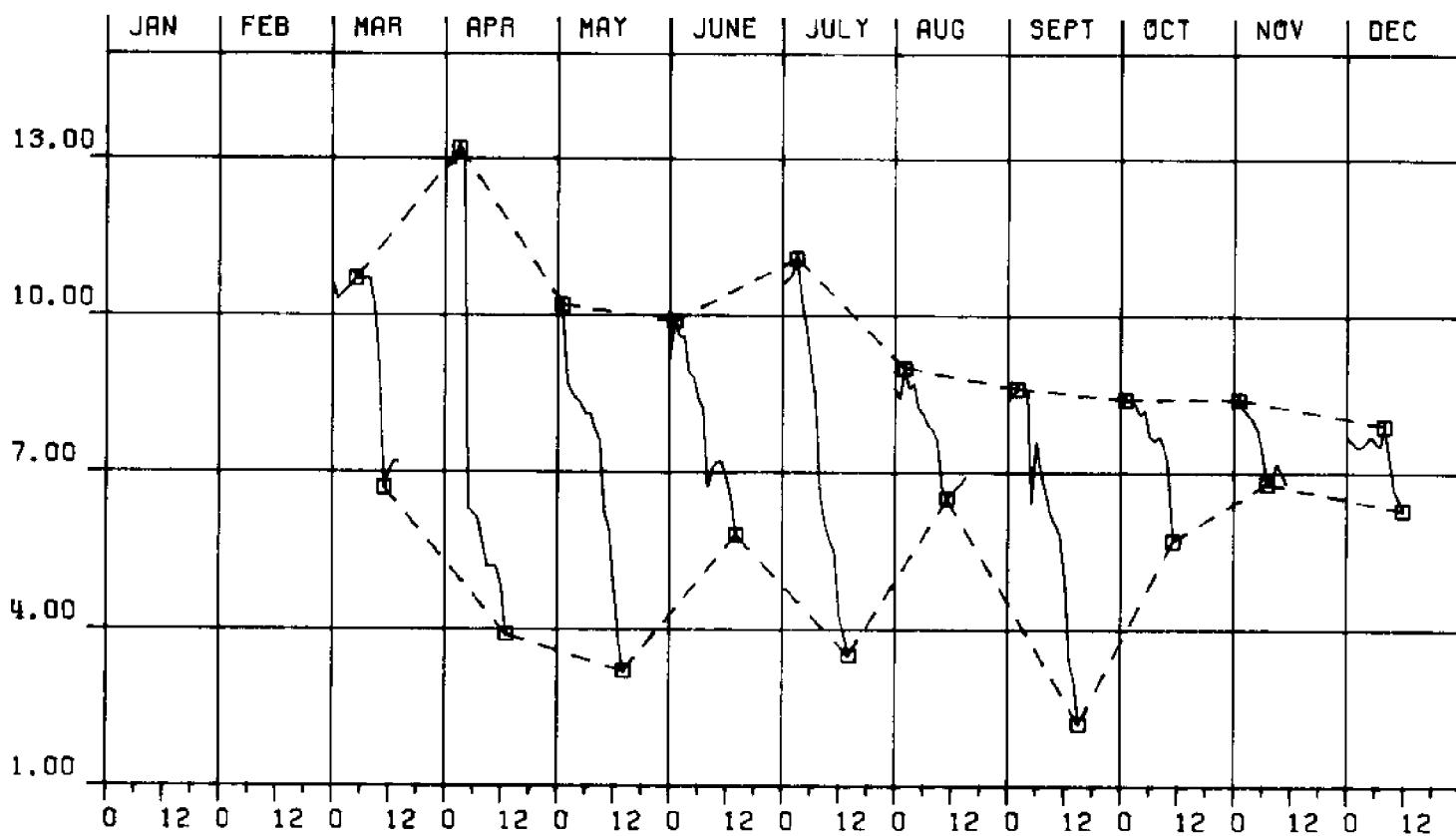
07 1100 YARDS S OF ISLAND FREEMAN
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



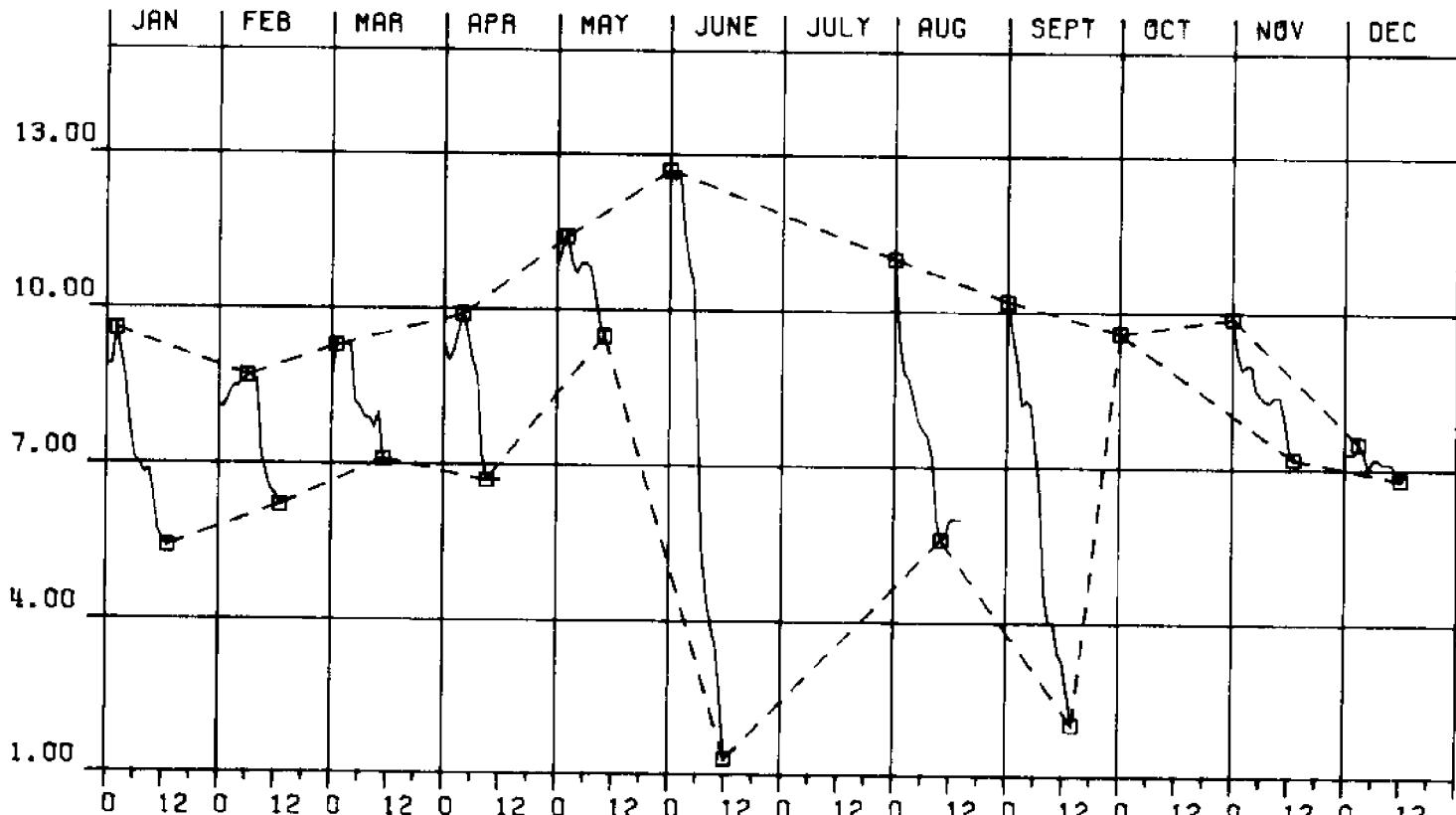
07 1100 YARDS S OF ISLAND FREEMAN
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



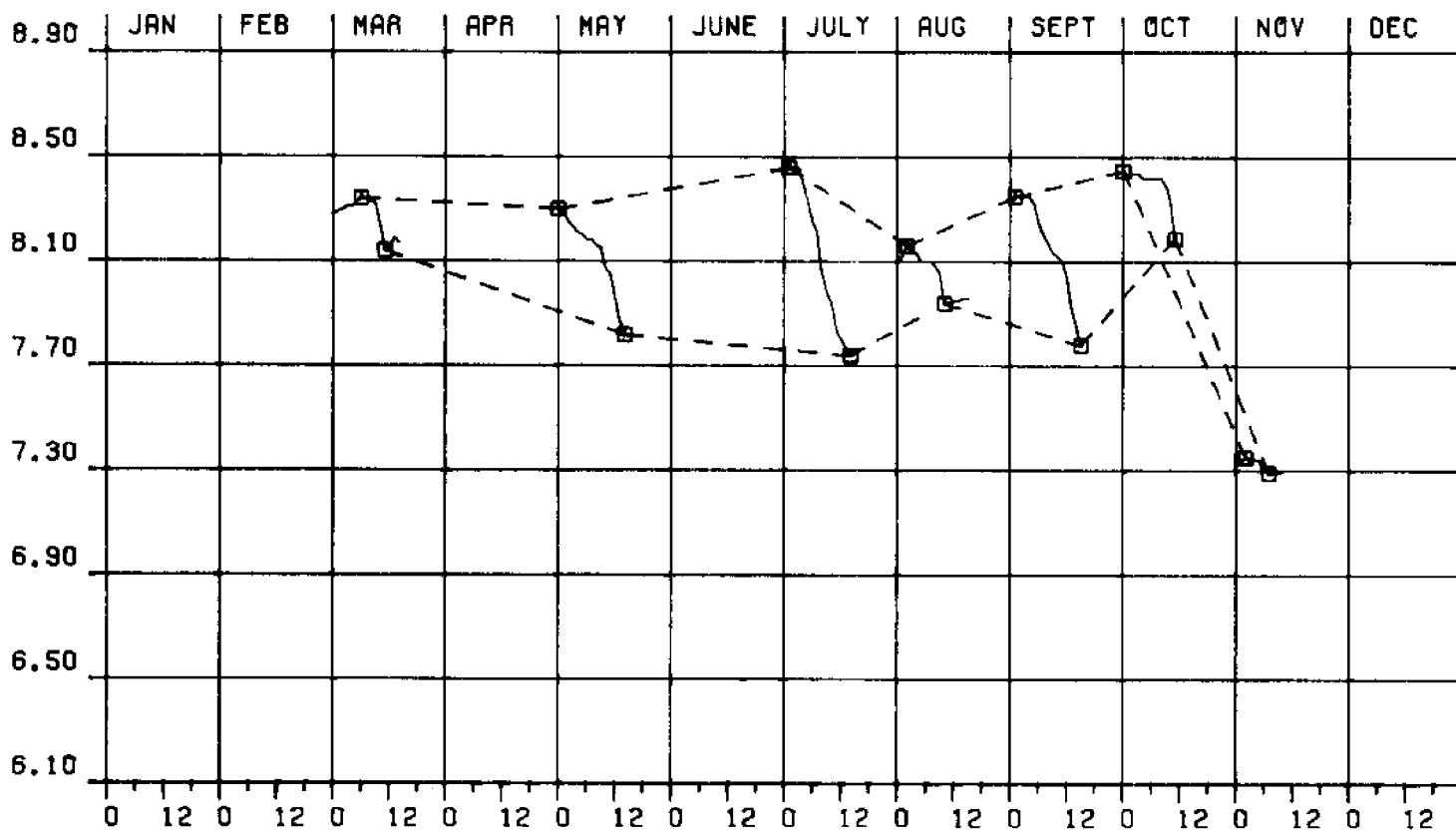
07 1100 YARDS S OF ISLAND FREEMAN
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



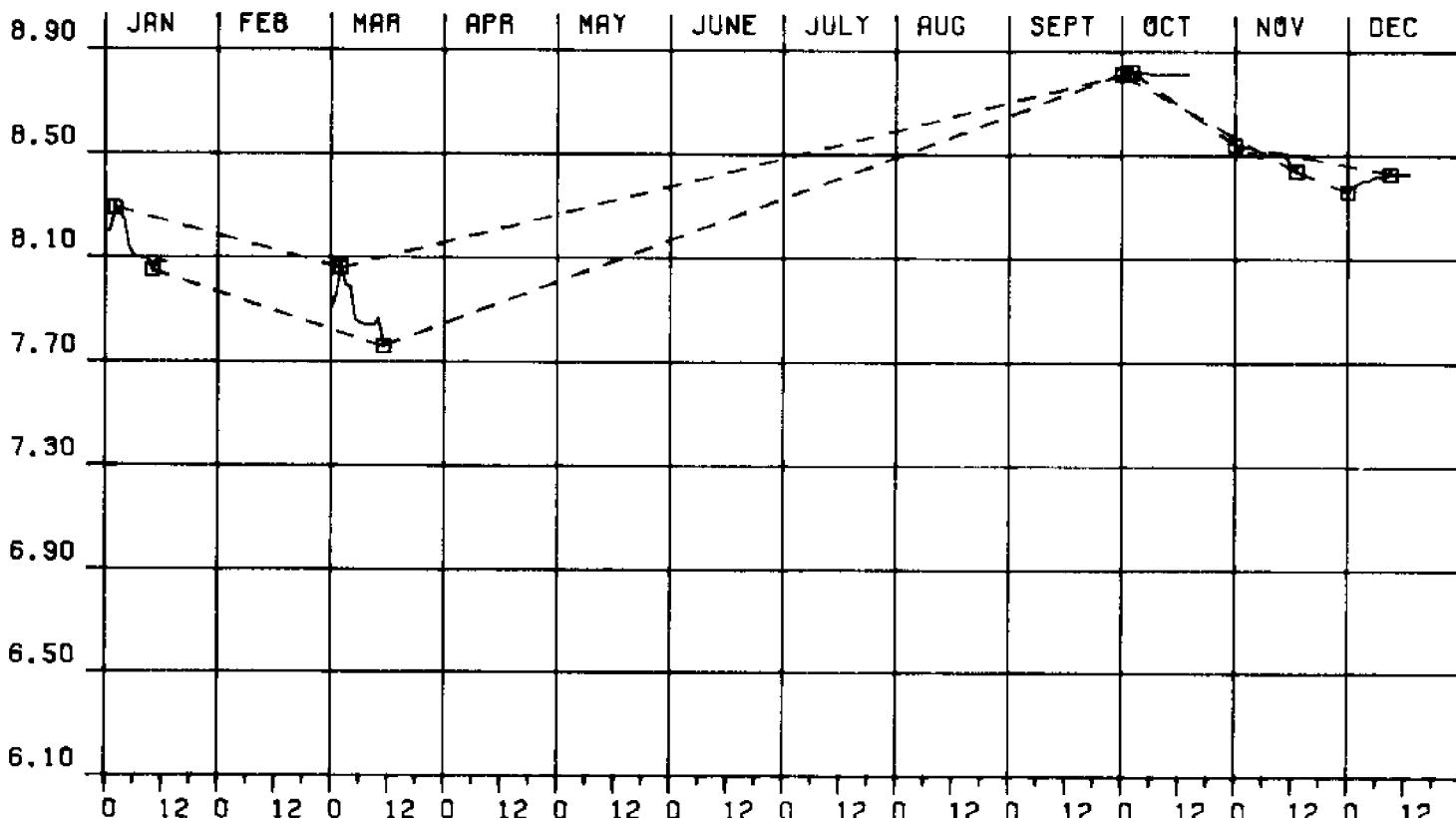
07 1100 YARDS S OF ISLAND FREEMAN
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



07 1100 YARDS S OF ISLAND FREEMAN
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



07 1100 YARDS S OF ISLAND FREEMAN
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MARCH 1973

STATION: 07 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET			‰		H.I.ON CONC	
00	0.0	12.10	53.78	32.10	10.60	8.28
01	3.28	12.00	53.00	32.30	10.30	8.29
02	6.56	12.00	53.60	32.40	10.40	8.30
03	9.84	12.00	53.60	32.50	10.50	8.31
04	13.12	12.00	53.60	32.70	10.60	8.31
05	16.40	12.00	53.60	32.70	10.70	8.33
06	19.68	12.00	53.60	32.80	10.70	8.34
08	26.24	12.00	53.60	32.80	10.70	8.37
09	29.52	11.90	53.42	33.00	10.10	8.32
10	32.80	11.90	53.42	32.80	9.00	8.24
11	36.08	11.40	52.52	33.00	6.70	-1.00
12	39.36	11.00	51.60	33.30	7.00	8.15
13	42.64	11.00	51.80	33.20	7.20	8.19
14	45.92	11.00	51.80	33.20	7.20	8.17

DATE: JUNE 1973

STATION: 07 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET			‰		H.I.ON CONC	
00	0.0	20.20	58.36	33.30	9.30	-1.00
01	3.28	20.20	58.36	33.40	9.40	-1.00
02	6.56	20.00	58.00	33.40	9.60	-1.00
03	9.84	19.50	57.64	33.50	9.60	-1.00
04	13.12	18.90	56.92	33.60	9.90	-1.00
05	16.40	18.40	56.12	33.60	9.80	-1.00
06	19.68	17.70	53.86	33.60	8.40	-1.00
07	22.96	17.40	53.42	33.70	7.10	-1.00
08	26.24	16.40	52.52	33.70	7.20	-1.00
09	29.52	15.40	51.60	33.70	7.20	-1.00
10	32.80	14.30	51.80	33.70	7.20	-1.00
11	36.08	14.20	51.80	33.70	7.20	-1.00
12	39.36	14.20	51.80	33.70	7.20	-1.00
13	42.64	13.50	51.80	33.60	6.50	-1.00
14	45.92	13.10	51.58	33.60	5.80	-1.00

DATE: APRIL 1973

STATION: 07 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET			‰		H.I.ON CONC	
00	0.0	16.10	50.98	33.60	12.80	-1.00
01	3.28	16.00	50.80	33.60	12.90	-1.00
02	6.56	16.00	50.40	33.50	12.90	-1.00
03	9.84	15.80	50.44	33.60	13.20	-1.00
04	13.12	15.60	50.08	33.60	13.10	-1.00
05	16.40	15.10	50.18	33.70	8.30	-1.00
06	19.68	15.00	50.00	33.70	8.30	-1.00
07	22.96	15.00	50.00	33.70	8.10	-1.00
08	26.24	14.90	50.82	33.70	8.60	-1.00
09	29.52	14.50	50.10	33.70	8.20	-1.00
10	32.80	14.30	50.74	33.70	8.20	-1.00
11	36.08	14.20	50.56	33.70	8.20	-1.00
12	39.36	14.20	50.56	33.70	8.20	-1.00
13	42.64	14.00	50.72	33.70	8.40	-1.00

DATE: JULY 1973

STATION: 07 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET			‰		H.I.ON CONC	
00	0.0	20.20	58.36	33.00	10.60	8.46
01	3.28	20.20	58.36	33.10	10.70	8.46
02	6.56	20.20	58.36	33.20	10.80	8.46
03	9.84	19.60	57.28	33.30	11.10	8.46
04	13.12	18.50	55.30	33.40	10.30	8.39
05	16.40	17.70	53.86	33.40	9.80	8.33
06	19.68	17.20	52.96	33.50	9.10	8.25
07	22.96	16.50	51.70	33.50	8.40	8.21
08	26.24	15.00	50.00	33.70	8.60	8.05
09	29.52	14.30	50.74	33.70	8.00	7.98
10	32.80	14.00	50.00	33.70	8.70	7.94
11	36.08	13.50	50.30	33.50	5.50	7.84
12	39.36	13.20	50.76	33.50	4.30	7.80
13	42.64	13.00	50.40	33.60	3.90	7.77
14	45.92	12.00	50.60	33.60	3.50	7.74

DATE: MAY 1973

STATION: 07 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET			‰		H.I.ON CONC	
00	0.0	15.10	59.18	33.60	10.00	8.30
01	3.28	15.10	59.18	33.70	10.20	8.29
02	6.56	14.90	58.82	33.80	8.70	-1.00
03	9.84	14.70	58.46	33.80	8.50	-1.00
04	13.12	14.60	58.28	33.70	8.46	-1.00
05	16.40	14.60	58.28	33.80	8.30	-1.00
06	19.68	14.50	58.10	33.70	8.10	-1.00
07	22.96	14.50	58.10	33.70	8.10	-1.00
08	26.24	14.40	57.92	33.80	7.80	-1.00
09	29.52	14.40	57.92	33.70	7.60	-1.00
10	32.80	13.90	57.02	33.80	6.20	-1.00
11	36.08	13.60	56.30	33.90	5.90	-1.00
12	39.36	13.40	56.12	33.90	4.80	-1.00
13	42.64	13.00	55.40	33.90	3.80	-1.00
14	45.92	12.90	55.22	33.80	3.20	-1.00

DATE: AUGUST 1973

STATION: 07 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
FEET			‰		H.I.ON CONC	
00	0.0	20.00	58.00	32.30	8.60	8.11
01	3.28	20.20	58.36	33.10	8.40	8.12
02	6.56	19.60	57.28	33.40	9.00	8.16
03	9.84	19.30	56.74	33.80	9.60	8.14
04	13.12	19.10	56.38	33.40	8.70	8.13
05	16.40	18.60	55.48	33.40	8.20	8.10
06	19.68	18.40	55.12	33.40	8.10	8.10
07	22.96	18.20	54.76	33.40	7.90	8.10
08	26.24	18.00	54.40	33.00	7.50	8.08
09	29.52	17.80	54.04	33.80	7.60	8.05
10	32.80	16.50	51.70	33.70	6.70	7.94
11	36.08	16.20	51.16	33.60	6.50	7.94
12	39.36	16.20	51.16	33.40	6.60	7.95
13	42.64	16.20	51.16	33.50	6.70	7.95
14	45.92	16.20	51.16	33.40	6.80	7.96
15	49.20	16.20	51.16	33.40	6.90	7.96

MISSING DATA VALUE IS -1.0

DATE: SEPTEMBER 1973

STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	17.90	64.22	33.50	8.40	8.33	82.00
01	3.28	17.60	63.68	33.70	8.50	8.35	82.50
02	6.56	17.70	63.96	33.50	8.60	8.33	82.50
03	9.84	17.50	63.50	33.40	8.60	8.35	82.50
04	13.12	17.30	63.14	33.60	8.60	8.35	82.00
05	16.40	17.00	62.60	33.60	8.40	8.32	85.00
06	19.68	16.30	61.34	34.00	7.60	8.25	86.00
07	22.96	16.00	60.80	33.60	7.60	8.20	85.50
08	26.24	15.50	59.90	33.90	7.60	8.17	85.50
09	29.52	15.00	59.00	34.00	6.20	8.13	83.50
10	32.80	14.60	58.28	33.90	6.00	8.12	80.00
11	36.08	14.30	57.74	34.10	5.80	8.10	81.50
12	39.36	14.00	57.20	34.10	5.60	8.04	81.00
13	42.64	13.80	56.84	34.30	5.60	7.91	79.00
14	45.92	13.30	55.94	34.30	5.60	7.85	78.30
15	49.20	13.20	55.76	34.20	5.20	7.78	56.00

DATE: OCTOBER 1973

STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	17.50	63.50	33.60	8.30	8.45	65.00
01	3.28	16.30	61.34	33.50	8.40	8.43	67.00
02	6.56	16.00	60.80	33.40	8.40	8.44	74.00
03	9.84	15.80	60.44	33.45	8.30	8.44	80.00
04	13.12	15.70	60.26	33.45	8.10	8.42	82.00
05	16.40	15.60	59.08	33.40	8.20	8.42	83.00
06	19.68	15.60	59.08	33.45	7.70	8.42	84.00
07	22.96	15.60	59.08	33.40	7.60	8.42	84.00
08	26.24	15.50	59.90	33.35	7.70	8.42	85.00
09	29.52	15.50	59.90	33.35	7.50	8.39	86.00
10	32.80	15.40	59.72	33.35	7.10	8.33	87.00
11	36.08	14.80	58.64	33.50	5.70	8.19	86.00

DATE: NOVEMBER 1973

STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	13.80	54.84	33.40	8.30	7.32	80.00
01	3.28	13.80	54.84	33.50	8.40	7.34	80.00
02	6.56	13.80	55.94	33.60	8.20	7.35	80.00
03	9.84	13.20	55.74	33.60	8.10	7.34	81.00
04	13.12	13.00	55.40	33.60	8.00	7.34	82.00
05	16.40	13.00	55.40	33.60	7.80	7.34	83.00
06	19.68	12.90	55.22	33.60	7.40	7.30	84.50
07	22.96	12.60	54.68	33.75	6.80	7.29	86.00
08	26.24	12.60	54.68	33.75	6.80	7.29	85.50
09	29.52	12.60	54.68	33.75	7.20	7.29	82.00
10	32.80	12.60	54.68	33.70	7.00	7.30	81.00
11	36.08	12.60	54.68	33.70	6.80	7.30	80.00

MISSING DATA VALUE IS -3.0

DATE: DECEMBER 1973

STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	13.10	55.58	33.90	7.70	-1.00	70.00
01	3.28	13.30	55.94	33.70	7.60	-1.00	71.00
02	6.56	13.10	55.58	33.90	7.50	-1.00	75.00
03	9.84	13.00	55.40	33.60	7.50	-1.00	76.00
04	13.12	12.90	55.22	33.50	7.60	-1.00	75.50
05	16.40	12.90	55.22	33.50	7.70	-1.00	75.50
06	19.68	12.90	55.22	33.50	7.60	-1.00	75.00
07	22.96	12.90	55.22	33.50	7.50	-1.00	75.00
08	26.24	12.90	55.22	33.50	7.50	-1.00	76.00
09	29.52	12.80	54.50	33.60	7.30	-1.00	75.00
10	32.80	12.50	54.50	33.60	6.70	-1.00	74.50
11	36.08	12.50	54.50	33.60	6.50	-1.00	74.00
12	39.36	12.50	54.50	33.60	6.30	-1.00	73.00

DATE: JANUARY 1974

STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	13.90	57.02	33.00	8.40	8.20	85.00
01	3.28	13.90	57.02	33.40	8.60	8.20	85.00
02	6.56	13.60	56.48	33.50	8.60	8.29	85.50
03	9.84	13.40	56.12	33.70	8.40	8.27	86.00
04	13.12	13.30	55.94	33.70	8.60	8.24	86.00
05	16.40	13.20	55.76	33.70	7.70	8.14	85.00
06	19.68	13.00	55.40	33.80	7.10	8.10	83.00
07	22.96	12.90	55.22	33.80	7.00	8.10	79.00
08	26.24	12.80	55.04	33.80	6.80	8.09	79.00
09	29.52	12.80	55.04	33.80	6.90	8.10	77.00
10	32.80	12.80	55.04	33.80	6.90	8.05	77.00
11	36.08	12.70	54.86	33.80	5.70	8.10	75.00
12	39.36	12.70	54.86	33.80	5.60	8.08	75.50
13	42.64	12.70	54.86	33.80	5.40	8.08	66.00

DATE: FEBRUARY 1974

STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	DEPTH FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY %
00	0.0	15.70	60.26	33.30	9.10	-1.00	88.50
01	3.28	15.00	59.00	33.45	8.10	-1.00	90.00
02	6.56	14.60	58.26	33.45	8.30	-1.00	90.00
03	9.84	14.40	57.92	33.55	8.50	-1.00	90.00
04	13.12	14.20	57.56	33.50	8.50	-1.00	90.50
05	16.40	14.10	57.38	33.55	8.60	-1.00	91.00
06	19.68	13.90	57.07	33.55	8.70	-1.00	90.00
07	22.96	13.90	57.02	33.50	9.70	-1.00	90.00
08	26.24	13.80	56.84	33.50	8.50	-1.00	89.50
09	29.52	13.50	56.30	33.70	7.20	-1.00	89.50
10	32.80	13.00	55.40	33.70	6.80	-1.00	81.50
11	36.08	12.90	55.22	33.65	6.50	-1.00	81.00
12	39.36	12.80	55.04	33.60	6.40	-1.00	80.50
13	42.64	12.70	54.86	33.50	6.20	-1.00	80.00

MISSING DATA VALUE IS -1.0

DATE: MARCH 1974
STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰ PPM	D.O2 PPM	PH H.ION CONC	TURBIDITY %		
00	0.0	16.90	32.42	32.55	8.70	7.91	-1.00
01	3.28	15.80	30.54	33.25	9.30	7.96	-1.00
02	6.56	15.10	30.18	33.30	9.33	8.06	-1.00
03	9.84	14.60	30.28	33.30	9.30	7.99	-1.00
04	13.12	14.30	30.74	33.35	9.30	7.99	-1.00
05	16.40	14.00	30.20	33.45	8.20	7.86	-1.00
06	19.68	13.80	30.54	33.45	8.10	7.85	-1.00
07	22.96	13.70	30.66	33.45	7.90	7.84	-1.00
08	26.24	13.70	30.66	33.45	7.90	7.84	-1.00
09	29.52	13.70	30.66	33.45	7.70	7.84	-1.00
10	32.80	13.60	30.48	33.45	8.00	7.87	-1.00
11	36.08	13.00	30.40	33.45	7.10	7.76	-1.00

DATE: JUNE 1974
STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰ PPM	D.O2 PPM	PH H.ION CONC	TURBIDITY %		
00	0.0	16.70	32.66	32.80	12.70	-1.00	83.50
01	3.28	16.50	32.50	28.40	12.50	-1.00	82.50
02	6.56	16.10	34.58	28.60	12.70	-1.00	82.50
03	9.84	17.30	33.14	28.80	11.50	+1.00	83.50
04	13.12	17.20	32.96	28.80	10.90	+1.00	87.00
05	16.40	16.00	30.80	28.90	10.50	+1.00	92.00
06	19.68	14.20	37.56	29.40	7.80	-1.00	84.00
07	22.96	13.70	36.66	29.10	5.30	+1.00	83.00
08	26.24	13.20	35.76	29.20	4.40	+1.00	81.00
09	29.52	13.00	35.40	29.30	3.90	+1.00	79.00
10	32.80	12.80	35.04	29.40	3.50	+1.00	84.00
11	36.08	12.00	33.68	29.50	2.60	+1.00	80.00
12	39.36	11.30	52.34	29.60	1.30	+1.00	+1.00

* Possible probe malfunction

DATE: APRIL 1974

STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰ PPM	D.O2 PPM	PH H.ION CONC	TURBIDITY %		
00	0.0	15.20	30.36	33.10	9.30	-1.00	76.00
01	3.24	15.20	30.36	33.10	9.00	-1.00	77.00
02	6.56	15.10	30.18	33.15	9.20	-1.00	77.50
03	9.84	15.00	30.00	33.40	9.60	-1.00	77.00
04	13.12	15.00	30.00	33.50	9.90	+1.00	74.00
05	16.40	14.90	30.82	33.50	9.50	+1.00	79.00
06	19.68	14.90	30.82	33.60	9.00	+1.00	79.00
07	22.96	14.80	30.64	33.60	8.70	+1.00	81.00
08	26.24	14.70	30.46	33.90	7.20	-1.00	81.50
09	29.52	14.30	30.74	34.10	6.70	-1.00	78.00
10	32.80	14.30	30.74	33.70	6.70	-1.00	76.00
11	36.08	14.30	30.74	33.70	6.70	-1.00	73.00
12	39.36	14.30	30.74	33.65	6.70	-1.00	72.00

DATE: JULY 1974

STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰ PPM	D.O2 PPM	PH H.ION CONC	TURBIDITY %		
00	0.0	21.00	69.80	32.70	-1.00	+1.00	70.00
01	3.24	21.00	69.80	32.60	-1.00	+1.00	76.00
02	6.56	20.80	69.44	32.80	+1.00	-1.00	73.50
03	9.84	20.50	68.90	32.80	+1.00	-1.00	73.00
04	13.12	20.10	68.18	32.70	-1.00	-1.00	76.50
05	16.40	19.80	67.64	32.80	-1.00	-1.00	82.50
06	19.68	18.80	65.84	32.70	+1.00	-1.00	83.50
07	22.96	18.30	64.94	33.10	-1.00	-1.00	83.50
08	26.24	16.00	64.40	32.80	+1.00	-1.00	83.00
09	29.52	15.90	64.22	32.80	-1.00	-1.00	83.50
10	32.80	15.80	64.04	32.90	-1.00	-1.00	83.50
11	36.08	16.10	60.98	33.50	-1.00	-1.00	83.50
12	39.36	15.20	59.36	33.60	-1.00	-1.00	83.50
13	42.64	14.90	58.82	31.40	-1.00	-1.00	63.50
14	45.92	14.00	57.20	33.90	-1.00	-1.00	83.50

DATE: MAY 1974

STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰ PPM	D.O2 PPM	PH H.ION CONC	TURBIDITY %		
00	0.0	18.10	64.58	-1.00	10.90	+1.00	74.00
01	3.28	18.10	64.58	-1.00	11.20	+1.00	74.50
02	6.56	18.10	64.58	-1.00	11.40	-1.00	74.00
03	9.84	17.10	62.78	-1.00	10.90	-1.00	75.00
04	13.12	16.60	61.88	-1.00	10.70	+1.00	81.50
05	16.40	16.20	61.16	-1.00	10.90	-1.00	84.00
06	19.68	16.10	60.98	-1.00	10.90	-1.00	86.00
07	22.96	16.10	60.98	-1.00	10.80	-1.00	81.50
08	26.24	15.80	60.44	-1.00	10.30	-1.00	82.00
09	29.52	15.40	59.72	-1.00	9.50	+1.00	82.00
10	32.80	15.40	59.72	-1.00	9.50	-1.00	87.00

DATE: AUGUST 1974

STATION: D7 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS FEET	TEMPERATURE °C °F	SALINITY ‰ PPM	D.O2 PPM	PH H.ION CONC	TURBIDITY %		
00	0.0	18.50	65.30	32.30	11.00	-1.00	77.00
01	3.28	17.90	64.22	32.50	9.50	-1.00	72.00
02	6.56	17.40	63.32	32.30	9.80	-1.00	84.00
03	9.84	17.20	62.96	32.40	9.70	+1.00	86.00
04	13.12	17.00	62.60	32.50	8.30	+1.00	89.00
05	16.40	16.80	62.24	32.50	7.90	-1.00	89.50
06	19.68	16.70	62.06	32.50	7.70	-1.00	89.00
07	22.96	16.50	61.70	32.50	7.60	-1.00	87.50
08	26.24	16.20	61.16	32.50	7.20	-1.00	86.50
09	29.52	15.20	59.36	32.70	6.00	+1.00	70.00
10	32.80	14.30	57.74	32.90	5.60	-1.00	60.00
11	36.08	14.20	57.56	32.50	5.70	-1.00	60.50
12	39.36	14.10	57.38	32.90	6.00	-1.00	63.00
13	42.64	14.00	57.20	32.80	6.00	-1.00	71.00
14	45.92	14.00	57.20	32.80	6.00	-1.00	64.00

MISSING DATA VALUE IS -1.00

DATE: SEPTEMBER 1974

STATION: 07 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY MICRON CONC
00	0.0	20.10	68.10	33.20	10.20	-1.00	53.50
01	3.28	19.70	67.46	33.30	9.60	-1.00	55.50
02	6.56	19.30	67.28	33.40	9.10	-1.00	61.50
03	9.84	19.40	66.92	33.40	9.20	-1.00	67.00
04	13.12	19.20	66.56	33.50	8.30	-1.00	69.00
05	16.40	19.10	66.38	33.50	8.20	-1.00	69.00
06	19.68	18.80	65.84	33.50	7.40	-1.00	69.50
07	22.96	18.60	65.48	33.50	6.50	-1.00	70.50
08	26.24	18.20	64.76	33.70	4.60	-1.00	70.50
09	29.52	17.50	63.50	33.90	4.00	-1.00	69.50
10	32.80	17.40	63.72	33.70	4.00	-1.00	64.50
11	36.08	17.20	62.96	33.70	3.40	-1.00	61.50
12	39.36	17.00	62.60	33.70	3.20	-1.00	57.00
13	42.64	16.60	61.88	33.60	2.60	-1.00	59.00
14	45.92	16.30	61.34	33.50	2.00	-1.00	30.50

DATE: NOVEMBER 1974

STATION: 07 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY MICRON CONC
00	0.0	16.10	60.68	33.80	9.90	9.54	-1.00
01	3.28	15.60	59.08	33.40	9.20	9.50	-1.00
02	6.56	15.40	59.72	33.70	8.90	9.50	-1.00
03	9.84	15.10	59.18	33.70	9.20	9.51	-1.00
04	13.12	15.00	59.00	33.70	9.00	9.51	-1.00
05	16.40	15.00	59.00	33.80	8.50	9.49	-1.00
06	19.68	14.80	58.64	34.50	8.40	9.50	+1.00
07	22.96	14.60	58.28	33.90	8.30	9.50	+1.00
08	26.24	14.60	58.28	33.80	8.30	9.50	-1.00
09	29.52	14.60	58.28	33.80	8.40	9.50	-1.00
10	32.80	14.60	58.28	33.80	8.40	9.50	-1.00
11	36.08	14.50	58.17	33.80	8.00	9.49	-1.00
12	39.36	14.50	58.17	33.80	7.40	9.45	-1.00
13	42.64	14.50	58.17	33.80	7.20	9.44	-1.00

DATE: DECEMBER 1974

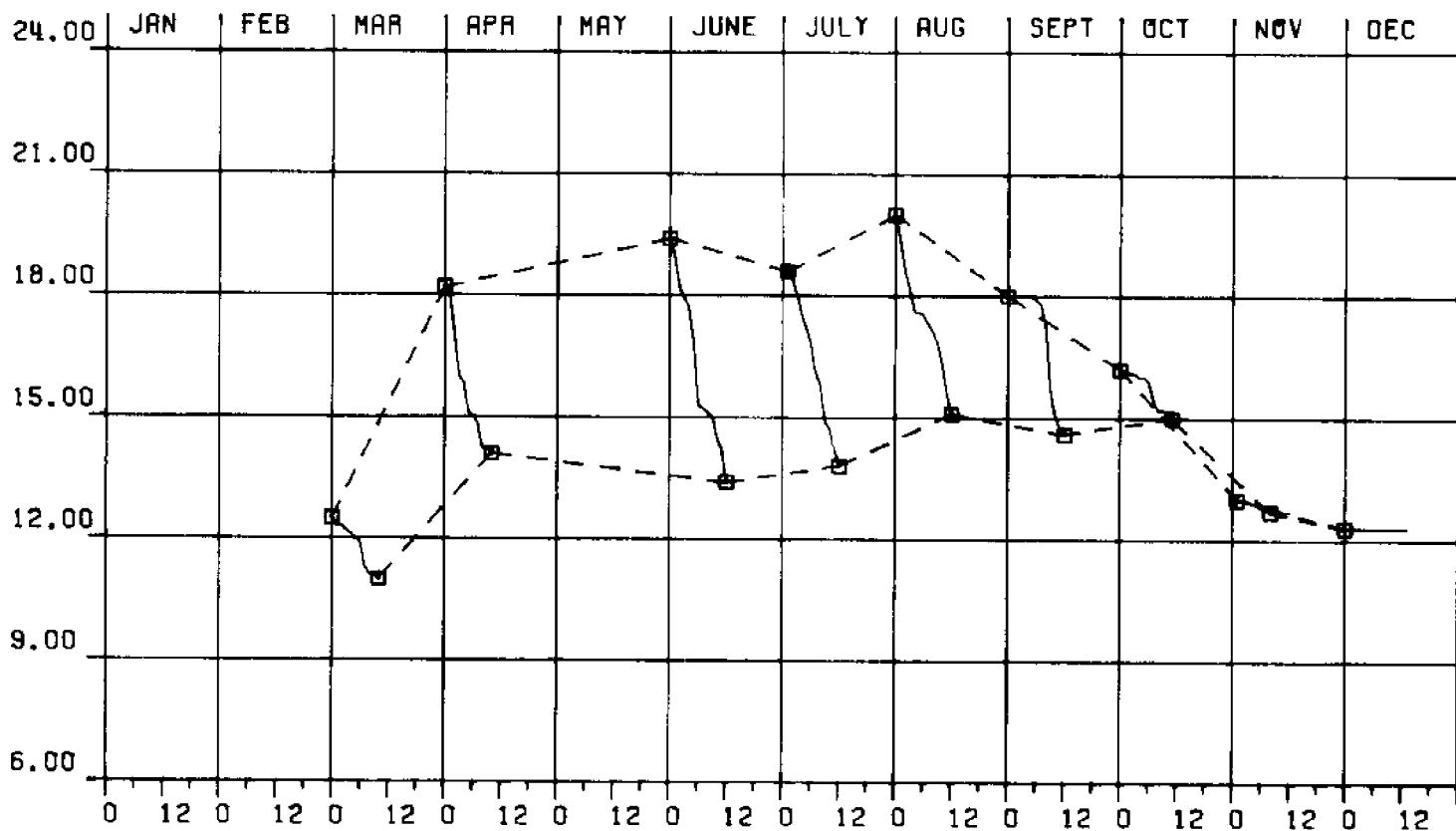
STATION: 07 1100 YARDS S OF ISLAND FREEMAN

DEPTH METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY ‰	D.O2 PPM	PH	TURBIDITY MICRON CONC
00	0.0	15.60	56.88	33.40	7.30	9.34	62.00
01	3.28	15.60	56.88	33.60	7.30	9.38	60.00
02	6.56	15.60	56.88	33.60	7.30	9.39	62.50
03	9.84	15.60	56.88	33.70	7.50	9.40	61.50
04	13.12	15.60	56.88	33.70	7.70	9.40	61.50
05	16.40	15.60	56.88	33.70	7.00	9.41	60.00
06	19.68	15.60	56.88	33.70	7.20	9.42	60.00
07	22.96	15.60	56.88	33.70	7.20	9.42	58.00
08	26.24	15.60	56.88	33.70	7.40	9.42	56.00
09	29.52	15.60	56.88	33.70	7.10	9.43	57.00
10	32.80	15.60	56.88	33.70	7.10	9.43	57.00
11	36.08	15.60	56.88	33.70	6.90	9.43	57.00
12	39.36	15.60	56.88	33.70	6.80	9.43	56.50
13	42.64	15.60	56.88	33.70	6.90	9.43	56.00
14	45.92	15.60	56.88	33.70	6.90	9.43	56.00

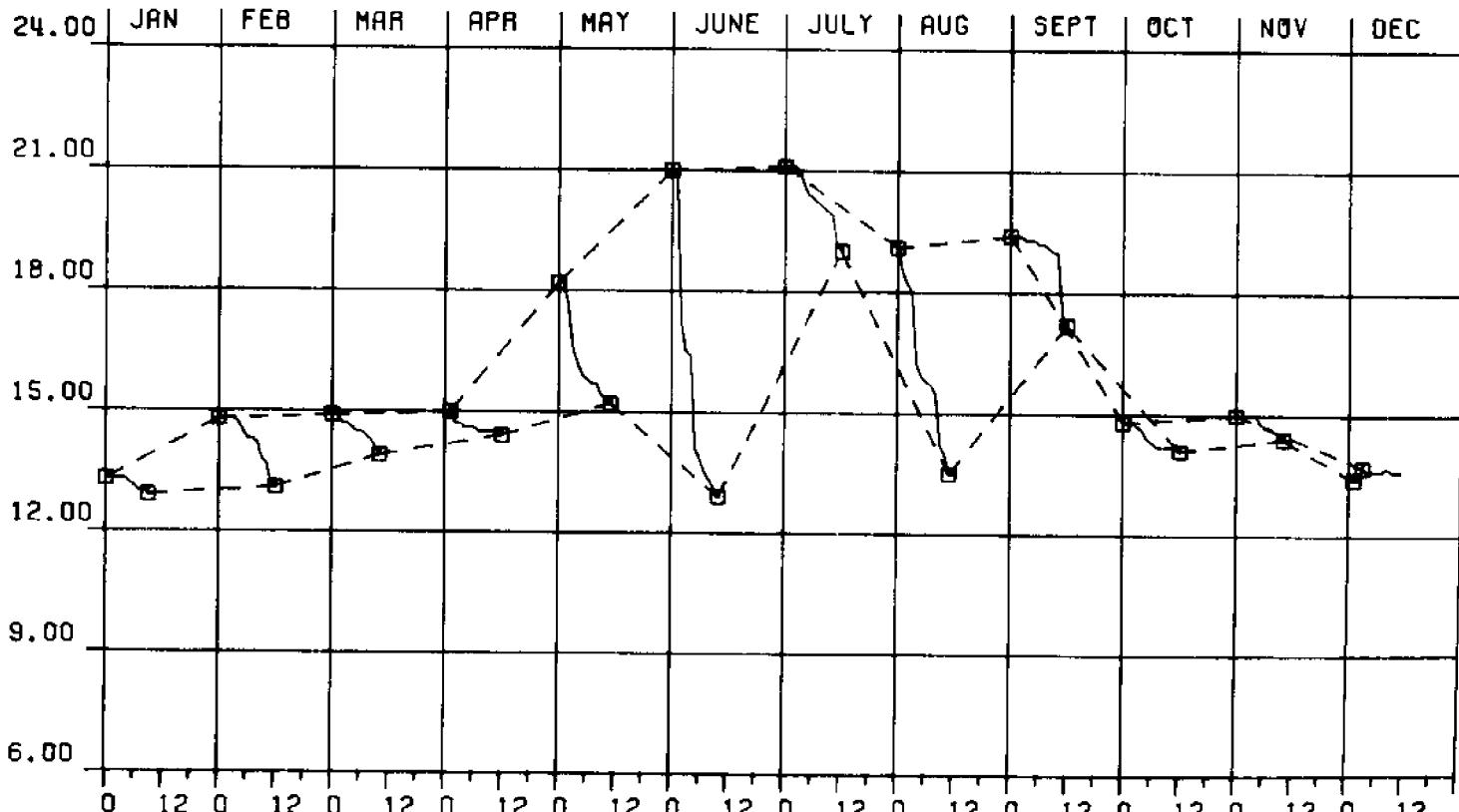
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MISSING DATA VALUE IS -1.0

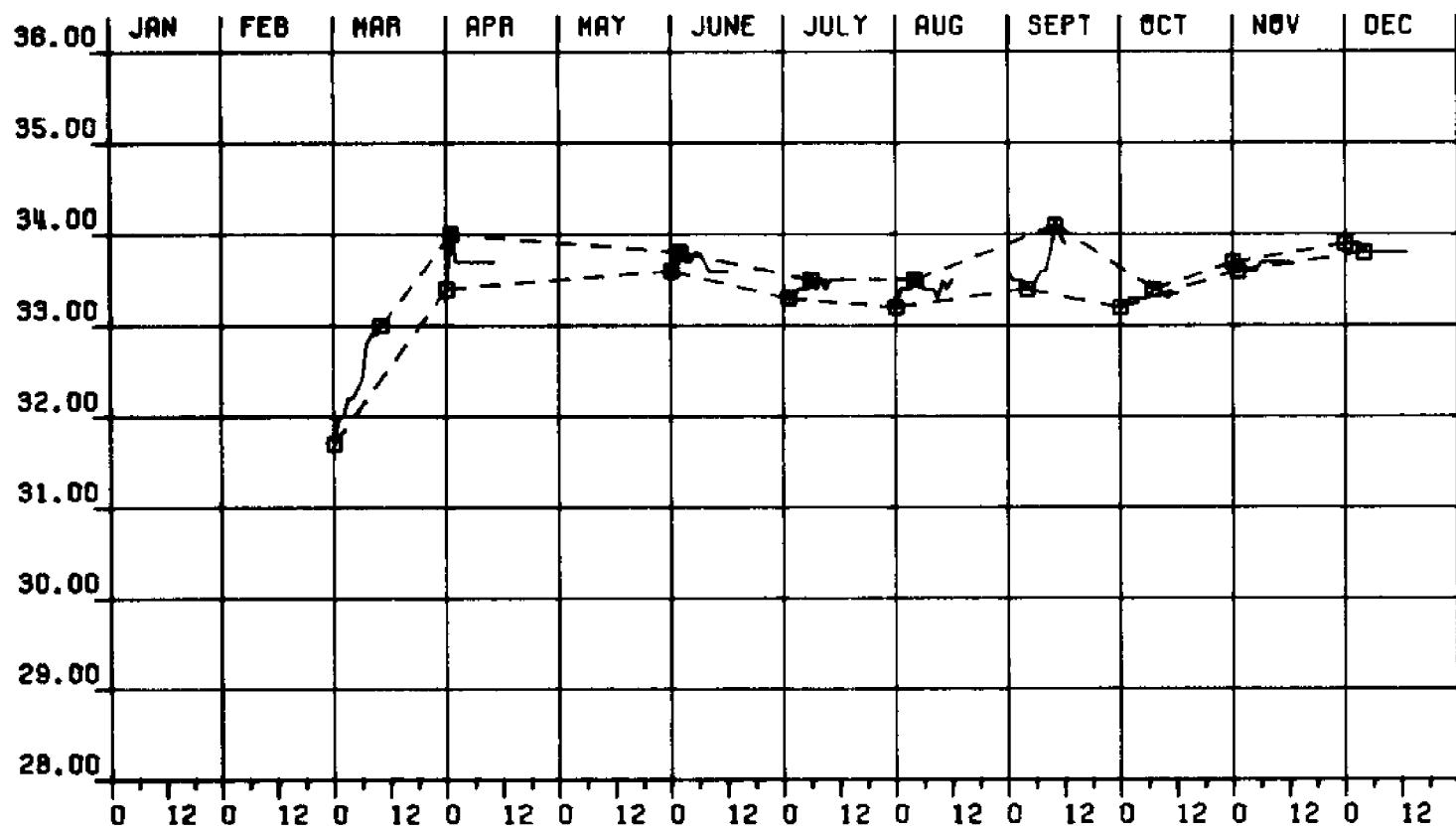
08 .28 NAUT M. TO SE CORNER, ESTER
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



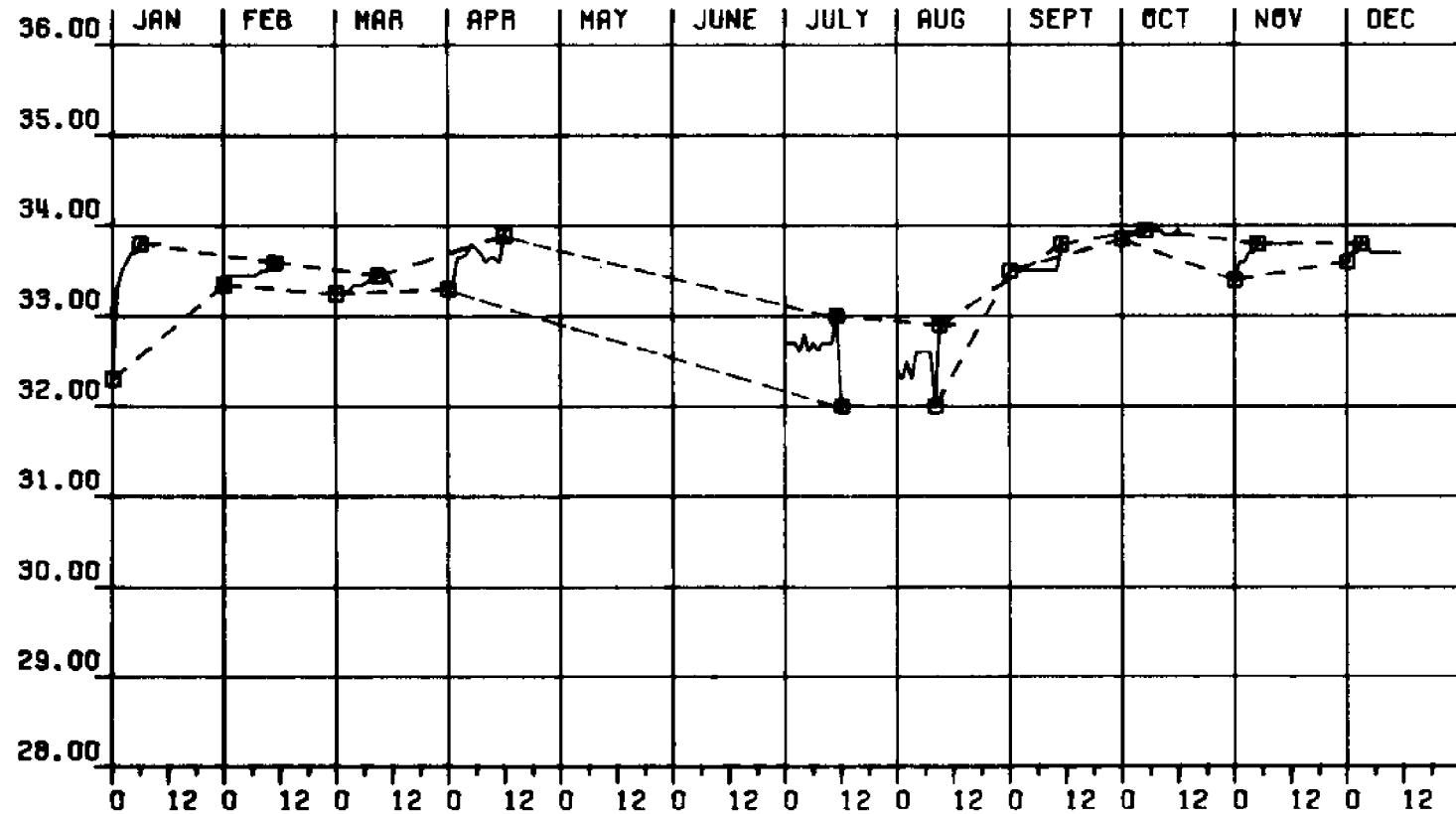
08 .28 NAUT M. TO SE CORNER, ESTER
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



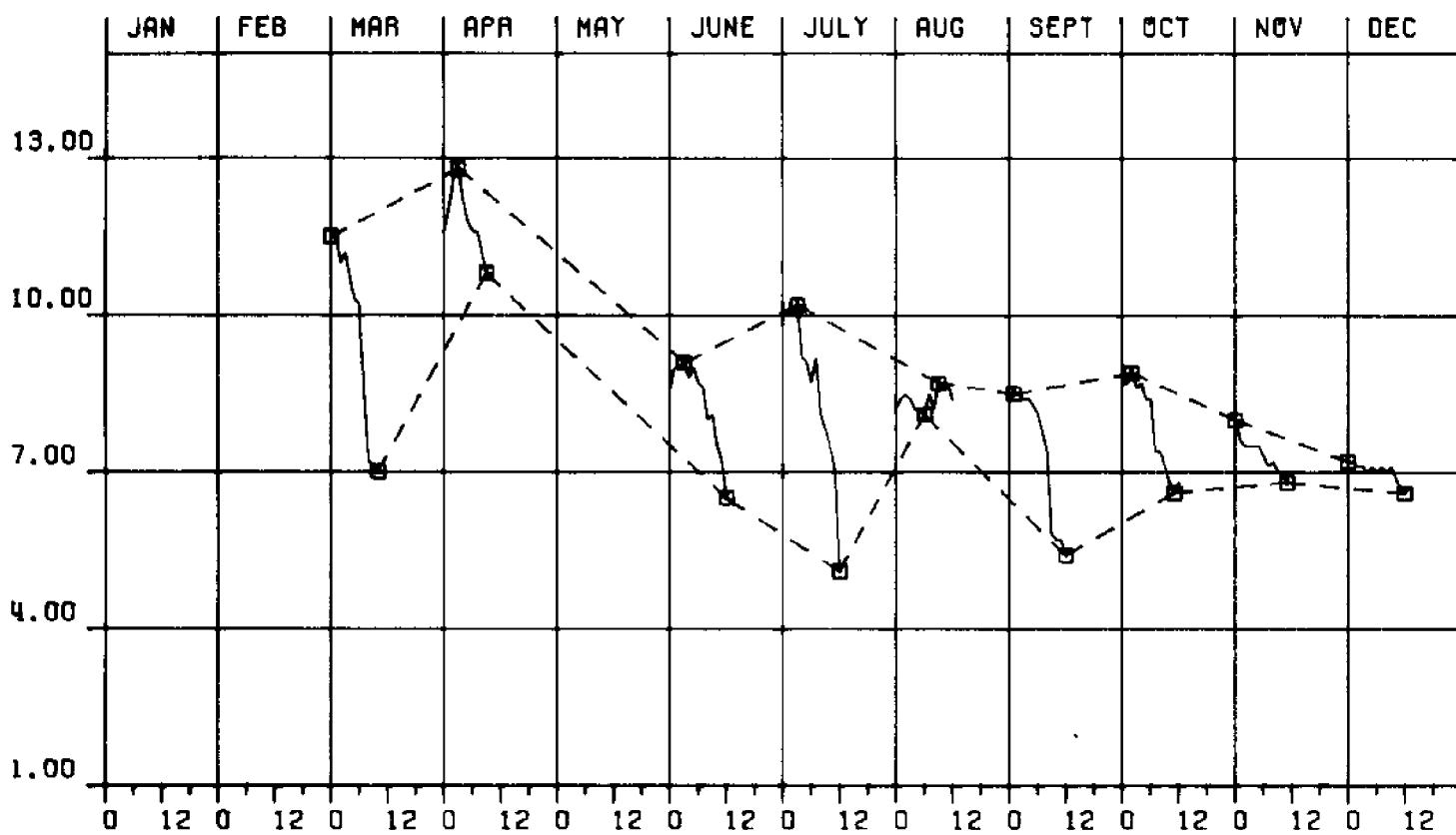
D8 .28 NAUT M. TO SE CORNER, ESTER
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



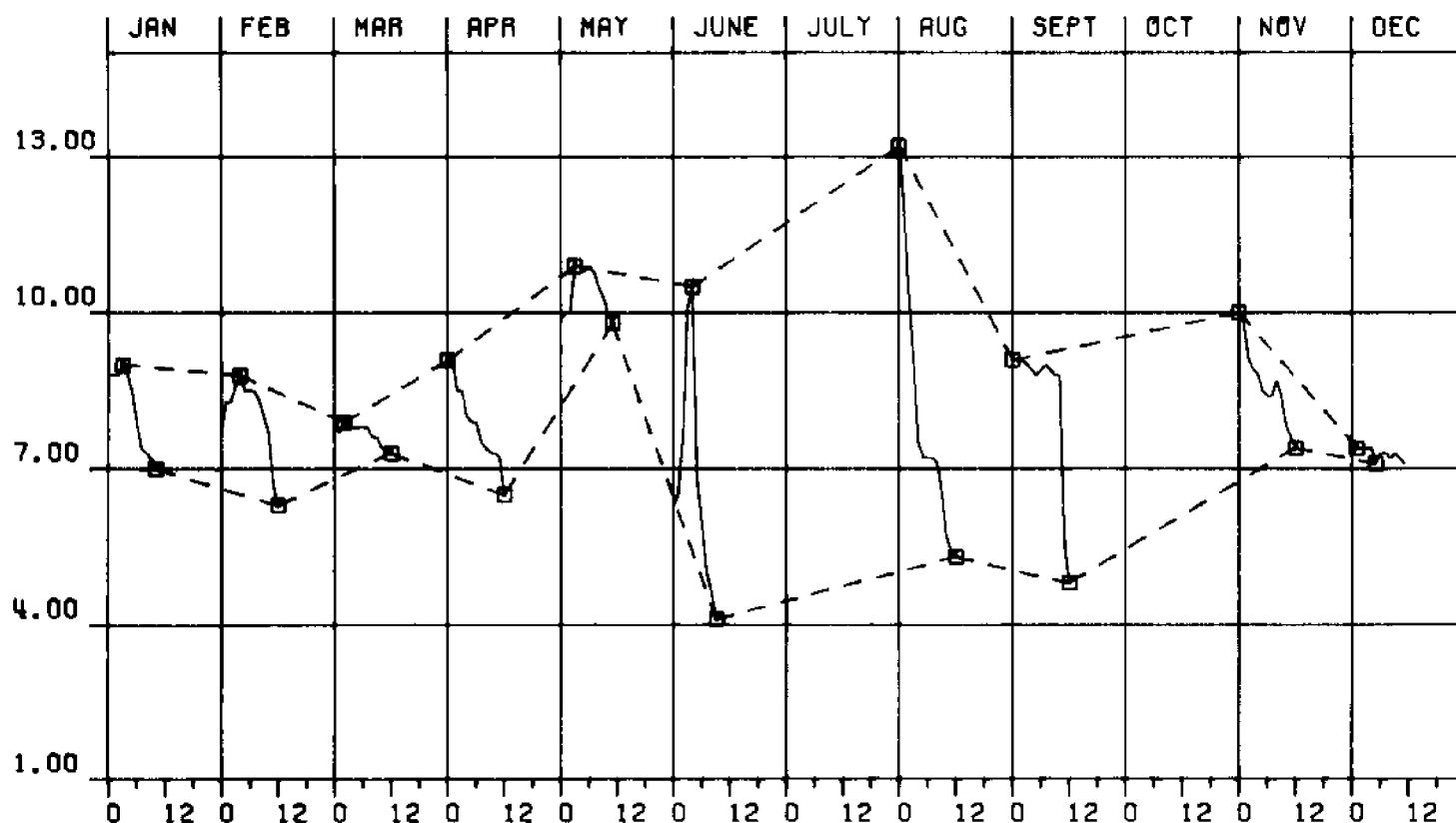
D8 .28 NAUT M. TO SE CORNER, ESTER
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



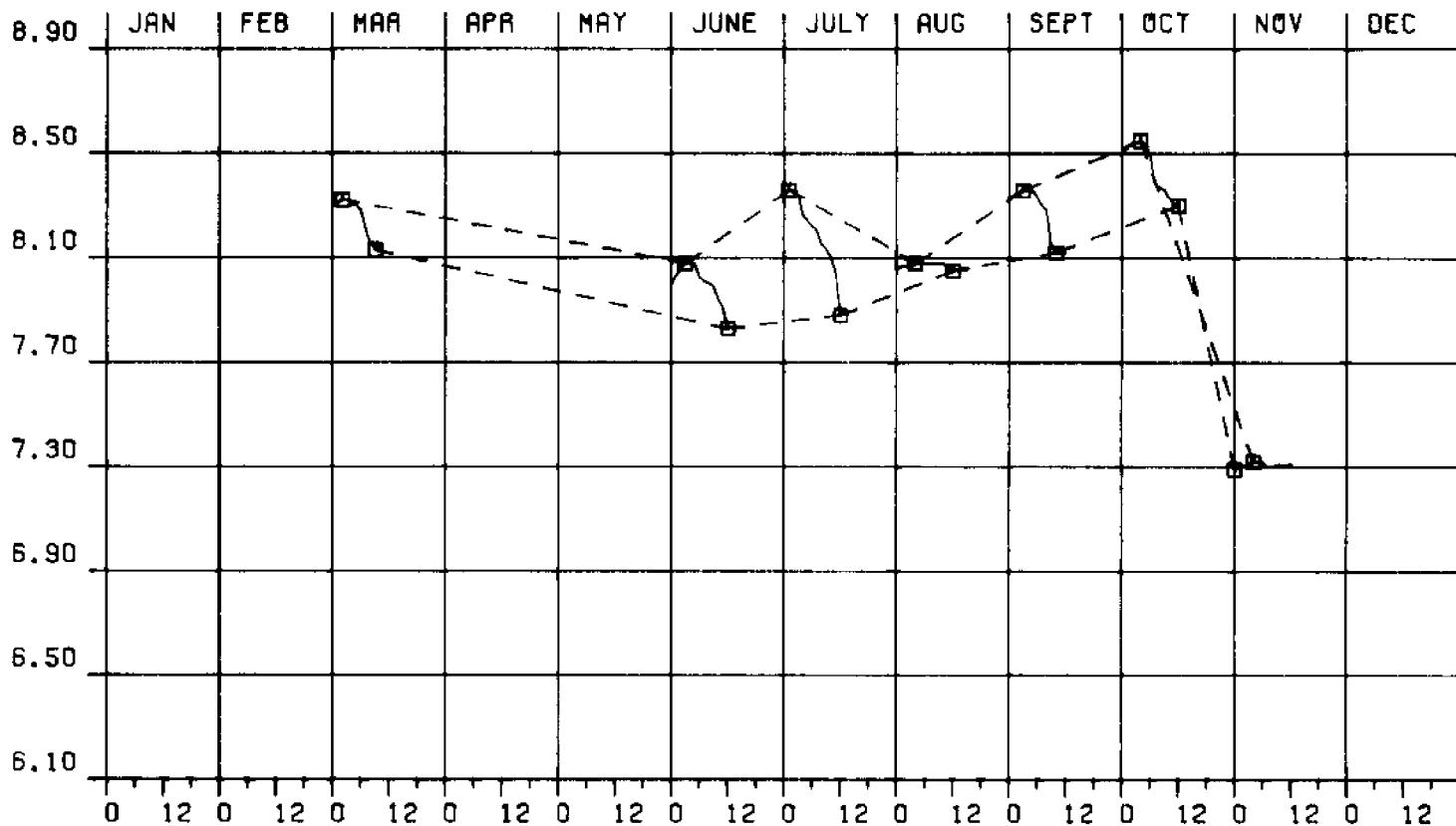
08 .28 NAUT M. TO SE CORNER, ESTER
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



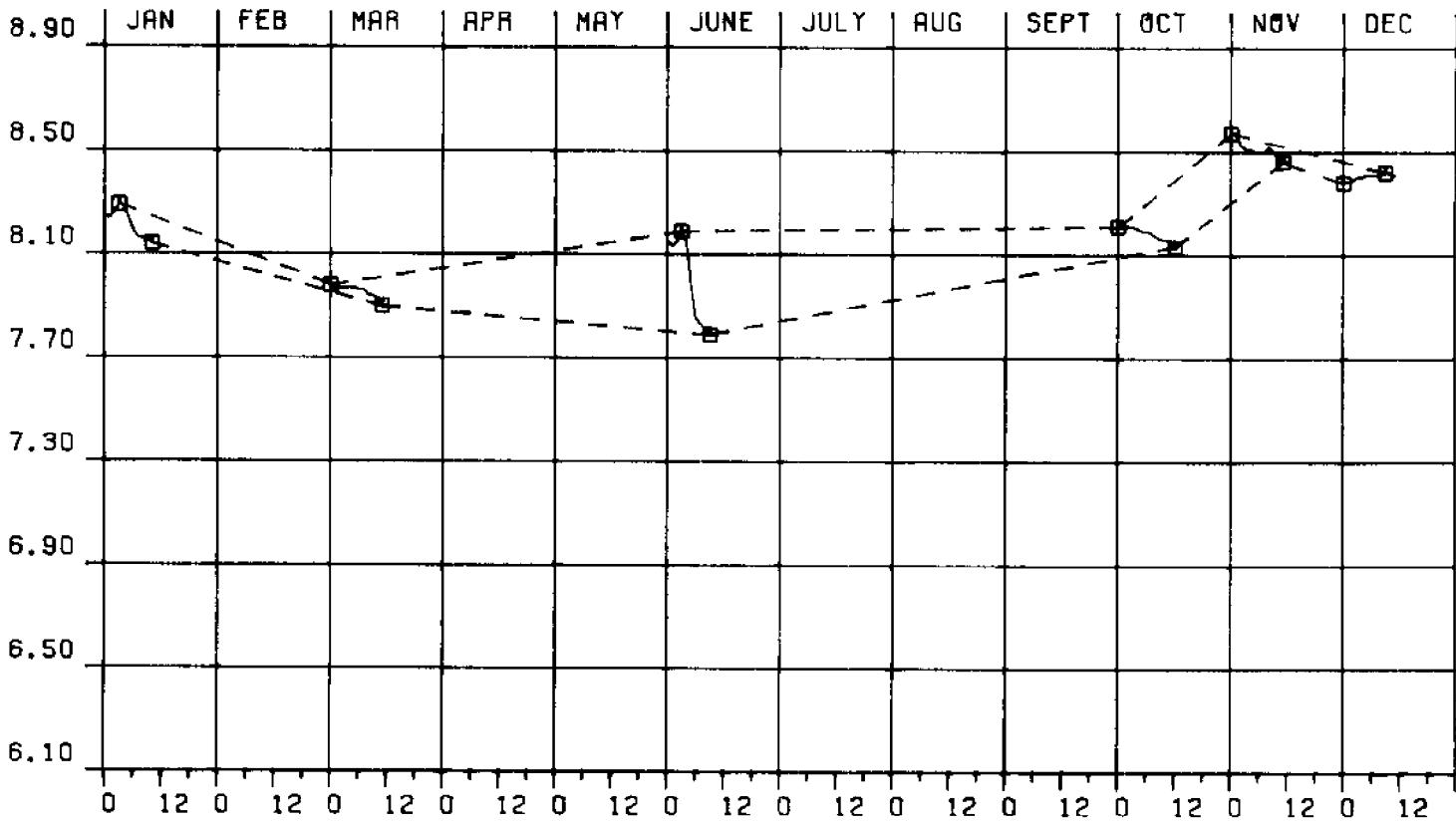
08 .28 NAUT M. TO SE CORNER, ESTER
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM



08 .28 NAUT M. TO SE CORNER, ESTER
DATE: 1973
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



08 .28 NAUT M. TO SE CORNER, ESTER
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. PH H ION CONC



DATE: MARCH 1973

STATION: DB -28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY %
FEET	F			H.I.ON CONC	
00	0.0	12.50	34.50	11.50	8.30
01	3.28	12.30	34.14	12.00	8.31
02	6.56	12.30	34.14	11.00	8.32
03	9.84	12.20	33.96	12.20	8.32
04	13.12	12.10	33.78	10.70	8.30
05	16.40	12.00	33.60	10.30	8.30
06	19.68	11.90	33.42	10.20	8.28
07	22.96	11.80	32.34	12.40	8.20
08	26.24	11.70	31.98	7.20	8.15
09	29.52	11.60	31.98	7.10	8.13
10	32.80	11.50	31.80	7.00	8.10

DATE: JULY 1973

STATION: DB -28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY %
FEET	F			H.I.ON CONC	
00	0.0	18.50	35.30	10.00	8.38
01	3.28	18.60	35.48	10.00	8.36
02	6.56	18.40	35.12	10.00	8.35
03	9.84	18.00	34.40	10.20	8.34
04	13.12	17.50	33.50	9.20	8.26
05	16.40	17.20	32.96	9.10	8.24
06	19.68	16.80	32.24	8.70	8.22
07	22.96	16.10	30.98	8.20	8.20
08	26.24	15.80	30.44	8.10	8.15
09	29.52	14.90	29.82	7.80	8.13
10	32.80	14.70	29.66	7.50	8.10
11	36.08	14.20	27.56	7.00	8.04
12	39.36	13.80	26.84	7.00	7.88

DATE: APRIL 1973

STATION: DB -28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY %
FEET	F			H.I.ON CONC	
00	0.0	18.20	34.76	13.60	-1.00
01	3.28	18.10	34.58	12.00	-1.00
02	6.56	17.00	32.60	12.60	-1.00
03	9.84	16.00	30.80	12.80	-1.00
04	13.12	15.80	30.44	12.20	-1.00
05	16.40	15.10	30.15	13.70	-1.00
06	19.68	15.00	29.90	11.60	-1.00
07	22.96	14.80	28.64	13.70	-1.00
08	26.24	14.20	27.56	13.70	-1.00
09	29.52	14.20	27.56	11.70	-1.00
10	32.80	14.10	27.38	13.70	-1.00

DATE: AUGUST 1973

STATION: DB -28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY %
FEET	F			H.I.ON CONC	
00	0.0	20.00	36.00	33.20	8.20
01	3.28	19.40	36.92	33.40	8.07
02	6.56	19.60	35.48	33.40	8.07
03	9.84	19.20	34.76	33.40	8.07
04	13.12	17.60	33.68	33.50	8.08
05	16.40	17.60	33.68	33.50	8.08
06	19.68	17.50	33.50	33.40	8.08
07	22.96	17.30	33.14	33.40	8.08
08	26.24	17.10	32.78	33.40	8.08
09	29.52	16.80	32.24	33.30	8.08
10	32.80	16.30	31.34	33.80	8.08
11	36.08	15.60	28.98	33.40	8.08
12	39.36	15.10	29.14	33.50	8.09

DATE: JUNE 1973

STATION: DB -28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY %
FEET	F			H.I.ON CONC	
00	0.0	19.40	36.92	33.60	8.60
01	3.28	18.90	36.02	33.60	9.00
02	6.56	18.20	34.76	33.80	9.00
03	9.84	17.90	34.22	33.70	9.10
04	13.12	17.70	33.60	8.80	9.08
05	16.40	16.80	32.24	33.80	9.00
06	19.68	15.30	30.54	33.80	8.70
07	22.96	15.20	29.36	33.70	8.60
08	26.24	14.10	28.18	33.60	8.60
09	29.52	14.00	28.00	33.60	8.10
10	32.80	14.00	28.10	33.60	7.50
11	36.08	14.20	27.56	33.60	7.20
12	39.36	13.40	26.12	27.60	6.50

DATE: SEPTEMBER 1973

STATION: DB -28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS	TEMPERATURE °C	SALINITY ‰	D.O. PPM	PH	TURBIDITY %
FEET	F			H.I.ON CONC	
00	0.0	18.00	34.40	33.60	8.33
01	3.28	18.00	34.40	33.60	8.34
02	6.56	18.00	34.40	33.60	8.35
03	9.84	18.00	34.40	33.60	8.36
04	13.12	18.00	34.40	33.60	8.36
05	16.40	19.00	34.40	33.60	8.36
06	19.68	17.90	34.22	33.50	8.40
07	22.96	17.60	34.04	33.60	7.90
08	26.24	17.30	33.14	33.60	7.40
09	29.52	16.70	30.26	33.80	8.14
10	32.80	16.10	29.18	34.10	8.12
11	36.08	14.70	28.46	34.00	8.12
12	39.36	14.60	28.26	33.90	8.12

MISSING DATA VALUE IS +1.0

DATE: OCTOBER 1973

STATION: DB +28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS FEET	TEMPERATURE C. F.	SALINITY ‰ PSU	D.O2 PPM	PH	TURBIDITY	
					H.ION CONC %	‰
00	0.0	16.20	51.46	13.20	8.70	8.50
01	3.28	16.20	51.46	13.20	8.70	8.52
02	6.56	16.30	50.96	13.30	8.70	8.56
03	9.84	16.10	50.96	13.30	8.60	8.54
04	13.12	16.00	50.80	13.30	8.70	8.55
05	16.40	16.00	50.80	13.30	8.53	7.70
06	19.68	15.90	50.62	13.30	8.40	8.49
07	22.96	15.80	50.72	13.40	7.40	8.38
08	26.24	15.20	50.36	13.10	7.40	8.60
09	29.52	15.20	50.36	13.10	7.10	8.40
10	32.80	15.10	50.18	13.30	6.80	8.53
11	36.08	15.00	50.00	13.30	6.50	8.70
12	39.36	15.00	50.00	13.30	6.40	8.50

DATE: NOVEMBER 1973

STATION: DB +28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS FEET	TEMPERATURE C. F.	SALINITY ‰ PSU	D.O2 PPM	PH	TURBIDITY	
					H.ION CONC %	‰
00	0.0	17.00	51.06	13.70	8.00	7.26
01	3.28	17.00	51.06	13.70	7.60	7.30
02	6.56	17.00	51.06	13.70	7.50	7.30
03	9.84	17.00	51.06	13.70	7.50	7.31
04	13.12	17.00	51.22	13.70	7.50	7.32
05	16.40	17.00	51.22	13.70	7.50	7.32
06	19.68	17.00	51.06	13.70	7.30	7.32
07	22.96	17.00	51.06	13.70	7.10	7.30
08	26.24	17.00	51.06	13.70	7.00	7.30
09	29.52	17.00	51.06	13.70	7.00	7.31
10	32.80	17.00	51.06	13.70	7.00	7.31
11	36.08	17.00	51.06	13.70	6.80	7.31
12	39.36	17.00	51.06	13.70	6.80	7.30

DATE: DECEMBER 1973

STATION: DB +28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS FEET	TEMPERATURE C. F.	SALINITY ‰ PSU	D.O2 PPM	PH	TURBIDITY	
					H.ION CONC %	‰
00	0.0	12.30	54.14	13.90	7.20	-1.00
01	3.28	12.30	54.14	13.90	7.20	-1.00
02	6.56	12.30	54.14	13.90	7.10	-1.00
03	9.84	12.30	54.14	13.90	7.10	-1.00
04	13.12	12.30	54.14	13.90	7.00	-1.00
05	16.40	12.30	54.14	13.90	7.10	-1.00
06	19.68	12.30	54.14	13.90	7.00	-1.00
07	22.96	12.30	54.14	13.90	7.00	-1.00
08	26.24	12.30	54.14	13.90	7.00	-1.00
09	29.52	12.30	54.14	13.90	7.00	-1.00
10	32.80	12.30	54.14	13.90	7.00	-1.00
11	36.08	12.30	54.14	13.90	7.00	-1.00
12	39.36	12.30	54.14	13.90	7.00	-1.00

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DATE: JANUARY 1974

STATION: DB +28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS FEET	TEMPERATURE C. F.	SALINITY ‰ PSU	D.O2 PPM	PH	TURBIDITY	
					H.ION CONC %	‰
00	0.0	13.30	55.94	12.30	8.80	8.24
01	3.28	13.30	55.94	13.30	8.80	8.24
02	6.56	13.30	55.94	13.30	8.80	8.26
03	9.84	13.30	55.94	13.30	8.80	8.26
04	13.12	13.30	55.94	13.30	8.80	8.28
05	16.40	13.20	55.76	13.30	8.80	8.24
06	19.68	13.10	55.58	13.30	8.80	8.24
07	22.96	13.00	55.40	13.30	8.80	8.26
08	26.24	13.00	55.30	13.30	8.80	8.26
09	29.52	12.90	55.22	13.30	8.80	8.26
10	32.80	12.90	55.22	13.30	8.80	8.26

DATE: FEBRUARY 1974

STATION: DB +28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS FEET	TEMPERATURE C. F.	SALINITY ‰ PSU	D.O2 PPM	PH	TURBIDITY	
					H.ION CONC %	‰
00	0.0	14.50	58.64	13.35	7.70	-1.00
01	3.28	14.50	58.64	13.45	8.30	-1.00
02	6.56	14.50	58.64	13.45	8.30	-1.00
03	9.84	14.50	58.64	13.45	8.60	-1.00
04	13.12	14.70	58.46	13.45	8.80	-1.00
05	16.40	14.50	58.10	13.45	8.50	-1.00
06	19.68	14.30	57.74	13.45	8.50	-1.00
07	22.96	14.30	57.74	13.45	8.50	-1.00
08	26.24	14.20	57.50	13.40	8.50	-1.00
09	29.52	14.20	58.04	13.50	8.50	-1.00
10	32.80	13.70	58.80	13.55	7.70	-1.00
11	36.08	13.70	58.76	13.60	7.70	-1.00
12	39.36	13.70	58.58	13.65	6.30	-1.00

DATE: MARCH 1974

STATION: DB +28 NAUT M. TO SE CORNER, ESTER

DEPTH METERS FEET	TEMPERATURE C. F.	SALINITY ‰ PSU	D.O2 PPM	PH	TURBIDITY	
					H.ION CONC %	‰
00	0.0	14.90	58.82	13.25	7.80	7.98
01	3.28	14.90	58.82	13.25	7.80	7.98
02	6.56	14.70	58.46	13.25	7.80	7.97
03	9.84	14.70	58.46	13.20	7.80	7.97
04	13.12	14.70	58.24	13.25	7.80	7.97
05	16.40	14.50	58.10	13.25	7.80	7.97
06	19.68	14.50	58.10	13.25	7.80	7.96
07	22.96	14.40	57.92	13.40	7.80	7.96
08	26.24	14.40	57.74	13.40	7.80	7.94
09	29.52	14.40	57.74	13.40	7.80	7.94
10	32.80	14.30	57.39	13.45	7.80	7.94
11	36.08	14.30	57.02	13.45	7.80	7.94
12	39.36	14.30	57.02	13.45	7.80	7.94

APRIL 1974							
STATION: DB 428 NAUT M. TO SE CORNER, ESTER							
DEPTH METERS	TEMPERATURE DEGREES CELCIUS	SALINITY PPM	D.O. PPM	pH	TURBIDITY N.T.U.		
00	0.0	14.90	38.82	33.30	9.10	-1.00	77.50
01	3.28	15.00	39.00	33.35	9.10	-1.00	81.00
02	6.56	14.70	38.46	33.65	8.50	-1.00	83.50
03	9.84	14.70	38.46	33.65	8.50	-1.00	85.00
04	13.12	14.60	38.28	33.70	8.00	-1.00	86.00
05	16.40	14.60	38.28	33.80	7.90	-1.00	88.00
06	19.68	14.60	38.28	33.75	7.90	-1.00	89.00
07	22.96	14.50	38.10	33.70	7.50	-1.00	87.00
08	26.24	14.50	38.10	33.60	7.40	-1.00	86.50
09	29.52	14.50	38.10	33.65	7.30	-1.00	86.00
10	32.80	14.50	38.10	33.65	7.30	-1.00	86.00
11	36.08	14.50	38.10	33.60	7.20	-1.00	86.00
12	39.36	14.40	37.92	33.90	6.50	-1.00	85.00

JULY 1974							
STATION: DB 428 NAUT M. TO SE CORNER, ESTER							
DEPTH METERS	TEMPERATURE DEGREES CELCIUS	SALINITY PPM	D.O. PPM	pH	TURBIDITY N.T.U.		
00	0.0	21.10	39.98	32.70	-1.00	-1.00	87.00
01	3.28	21.10	39.98	32.70	-1.00	-1.00	87.00
02	6.56	21.10	39.98	32.70	-1.00	-1.00	89.00
03	9.84	21.00	39.80	32.60	-1.00	-1.00	88.50
04	13.12	20.60	39.68	32.50	-1.00	-1.00	87.50
05	16.40	20.60	39.72	32.60	-1.00	-1.00	87.00
06	19.68	20.30	39.54	32.70	-1.00	-1.00	87.00
07	22.96	20.70	39.36	32.60	-1.00	-1.00	87.00
08	26.24	20.10	39.18	32.70	-1.00	-1.00	87.00
09	29.52	20.00	39.00	32.70	-1.00	-1.00	88.00
10	32.80	19.90	38.82	32.70	-1.00	-1.00	88.00
11	36.08	19.20	38.56	33.00	-1.00	-1.00	88.00
12	39.36	19.00	38.20	32.00	-1.00	-1.00	87.00

MAY 1974							
STATION: DB 428 NAUT M. TO SE CORNER, ESTER							
DEPTH METERS	TEMPERATURE DEGREES CELCIUS	SALINITY PPM	D.O. PPM	pH	TURBIDITY N.T.U.		
00	0.0	16.20	38.78	-1.00	9.90	-1.00	72.50
01	3.24	16.20	38.78	-1.00	10.00	-1.00	73.00
02	6.50	17.00	38.68	-1.00	10.00	-1.00	73.00
03	9.74	16.50	38.70	-1.00	10.90	-1.00	79.00
04	13.12	16.50	38.16	-1.00	10.90	-1.00	82.00
05	16.40	16.40	38.62	-1.00	10.80	-1.00	83.00
06	19.68	15.80	38.64	-1.00	10.90	-1.00	82.50
07	22.96	15.70	38.66	-1.00	10.90	-1.00	82.00
08	26.24	15.70	38.68	-1.00	10.50	-1.00	84.00
09	29.52	15.40	38.72	-1.00	10.50	-1.00	84.00
10	32.80	15.30	38.54	-1.00	10.00	-1.00	84.00
11	36.08	15.20	38.36	-1.00	9.80	-1.00	80.00

AUGUST 1974							
STATION: DB 428 NAUT M. TO SE CORNER, ESTER							
DEPTH METERS	TEMPERATURE DEGREES CELCIUS	SALINITY PPM	D.O. PPM	pH	TURBIDITY N.T.U.		
00	0.0	19.10	68.38	32.40	13.20	-1.00	40.00
01	3.28	18.50	65.30	32.30	12.00	-1.00	25.00
02	6.56	18.20	64.70	32.50	19.40	-1.00	43.50
03	9.84	18.00	64.40	32.30	9.40	-1.00	85.00
04	13.12	16.20	61.14	32.60	7.50	-1.00	88.00
05	16.40	15.90	60.62	32.60	7.20	-1.00	86.00
06	19.68	15.70	59.26	32.60	7.20	-1.00	86.00
07	22.96	15.70	59.26	32.60	7.20	-1.00	86.00
08	26.24	15.50	59.90	32.00	7.10	-1.00	86.50
09	29.52	14.80	57.56	32.30	6.50	-1.00	89.00
10	32.80	14.60	57.26	32.30	6.70	-1.00	83.00
11	36.08	13.50	56.30	32.30	6.00	-1.00	75.00
12	39.36	13.50	56.30	32.30	6.30	-1.00	87.00

SEPTEMBER 1974							
STATION: DB 428 NAUT M. TO SE CORNER, ESTER							
DEPTH METERS	TEMPERATURE DEGREES CELCIUS	SALINITY PPM	D.O. PPM	pH	TURBIDITY N.T.U.		
00	0.0	19.40	68.92	33.50	9.10	-1.00	96.50
01	3.28	19.40	68.92	33.50	9.10	-1.00	96.50
02	6.56	19.40	68.92	33.50	9.10	-1.00	96.00
03	9.84	19.30	68.74	33.50	9.00	-1.00	94.50
04	13.12	19.30	68.74	33.50	9.00	-1.00	94.00
05	16.40	19.20	68.56	33.50	9.00	-1.00	94.00
06	19.68	19.20	68.56	33.50	9.00	-1.00	94.00
07	22.96	19.20	68.56	33.50	9.00	-1.00	94.00
08	26.24	19.10	68.38	33.50	9.00	-1.00	94.00
09	29.52	18.50	68.20	33.50	9.00	-1.00	94.00
10	32.80	18.50	68.20	33.50	9.00	-1.00	94.00
11	36.08	17.40	68.32	33.50	9.50	-1.00	89.00
12	39.36	17.20	68.20	33.50	9.40	-1.00	94.00

* Possible probe malfunction

MISSING DATA VALUE IS -1.00

MISSING DATA VALUE IS -1.00

DATE: OCTOBER 1974

STATION: 04 1/28 HAUT M. TO SE CORNER, ESTER

DEPTH METERS	TEMPERATURE C	TEMPERATURE F	SALINITY	O.02 PPM	PH	TURBIDITY	
FEET					H.ION CONC		
00	0.0	14.40	38.64	33.85	-1.00	8.21	93.50
01	3.28	14.70	38.64	33.85	-1.00	8.21	97.00
02	6.56	14.80	38.64	33.90	-1.00	8.21	97.00
03	9.84	14.70	38.46	33.90	-1.00	8.21	97.50
04	13.12	14.60	38.28	33.90	-1.00	8.20	97.50
05	16.40	14.40	37.92	33.95	+1.00	8.19	99.00
06	19.68	14.10	37.74	33.94	-1.00	8.19	98.00
07	22.96	14.20	37.56	33.95	-1.00	8.18	98.50
08	26.24	14.20	37.56	33.95	-1.00	8.17	98.50
09	29.52	14.20	37.56	33.90	-1.00	8.16	97.00
10	32.80	14.20	37.46	33.90	-1.00	8.16	95.00
11	36.08	14.20	37.36	33.90	-1.00	8.15	93.50
12	39.36	14.10	37.36	33.95	-1.00	8.13	83.00

DATE: DECEMBER 1974

STATION: 08 1/28 HAUT M. TO SE CORNER, ESTER

DEPTH METERS	TEMPERATURE C	TEMPERATURE F	SALINITY	O.02 PPM	PH	TURBIDITY	
FEET					H.ION CONC		
00	0.0	13.50	36.60	33.60	7.30	8.38	65.00
01	3.28	13.40	36.42	33.70	7.40	8.38	67.00
02	6.56	13.40	36.42	33.70	7.40	8.39	67.00
03	9.84	13.70	36.66	33.80	7.40	8.40	67.50
04	13.12	13.60	36.48	33.80	7.40	8.40	67.50
05	16.40	13.60	36.48	33.70	7.10	8.41	67.50
06	19.68	13.60	36.48	33.70	7.30	8.41	67.50
07	22.96	13.60	36.48	33.70	7.30	8.41	66.50
08	26.24	13.70	36.66	33.70	7.20	8.41	66.00
09	29.52	13.60	36.48	33.70	7.30	8.42	63.00
10	32.80	13.60	36.48	33.70	7.20	8.42	62.00
11	36.08	13.60	36.48	33.70	7.10	8.41	60.00

MISSING DATA VALUE IS -1.0

DATE: NOVEMBER 1974

STATION: 08 1/28 HAUT M. TO SE CORNER, ESTER

DEPTH METERS	TEMPERATURE C	TEMPERATURE F	SALINITY	O.02 PPM	PH	TURBIDITY	
FEET					H.ION CONC		
00	0.0	15.00	39.00	33.40	10.00	8.57	-1.00
01	3.28	15.00	39.00	33.60	9.80	8.57	-1.00
02	6.56	15.00	39.00	33.60	9.10	8.62	-1.00
03	9.84	15.00	39.00	33.70	8.90	8.51	-1.00
04	13.12	15.00	39.00	33.70	8.80	8.51	-1.00
05	16.40	14.80	38.64	33.80	8.52	8.50	-1.00
06	19.68	14.70	38.46	33.80	8.40	8.50	-1.00
07	22.96	14.70	38.46	33.80	8.40	8.50	-1.00
08	26.24	14.60	38.28	33.80	8.70	8.52	-1.00
09	29.52	14.50	38.10	34.00	8.40	8.50	-1.00
10	32.80	14.40	37.92	33.80	7.83	8.47	-1.00
11	36.08	14.40	37.92	33.80	7.60	8.46	-1.00
12	39.36	14.40	37.92	33.80	7.40	8.46	-1.00

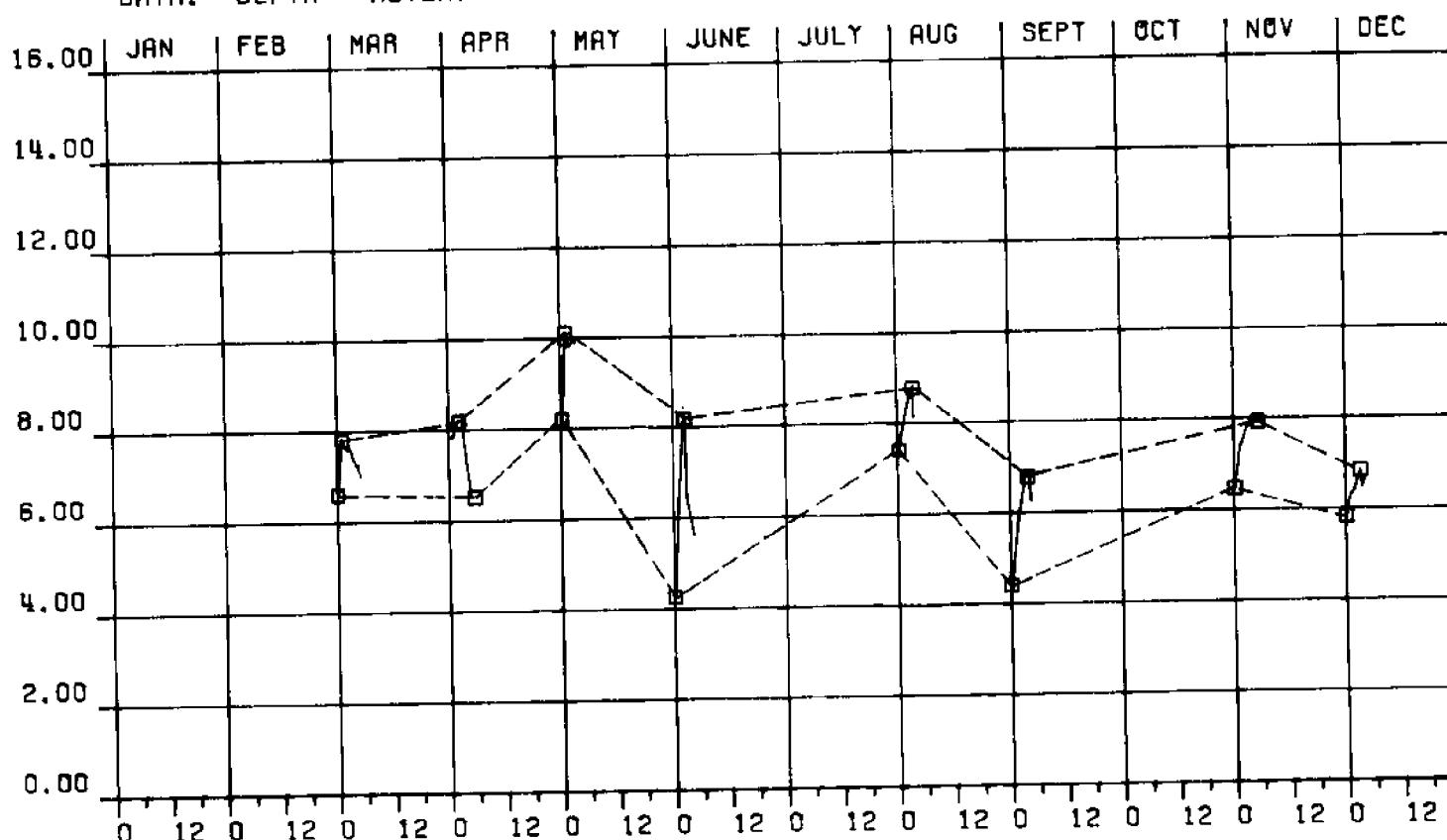
MISSING DATA VALUE IS -1.0

D9 SAN GABRIEL RIVER MOUTH

DATE: 1974

EACH SUBGRAPH BY MONTH

DATA: DEPTH METERS VS. DISSOLVED OXYGEN PPM

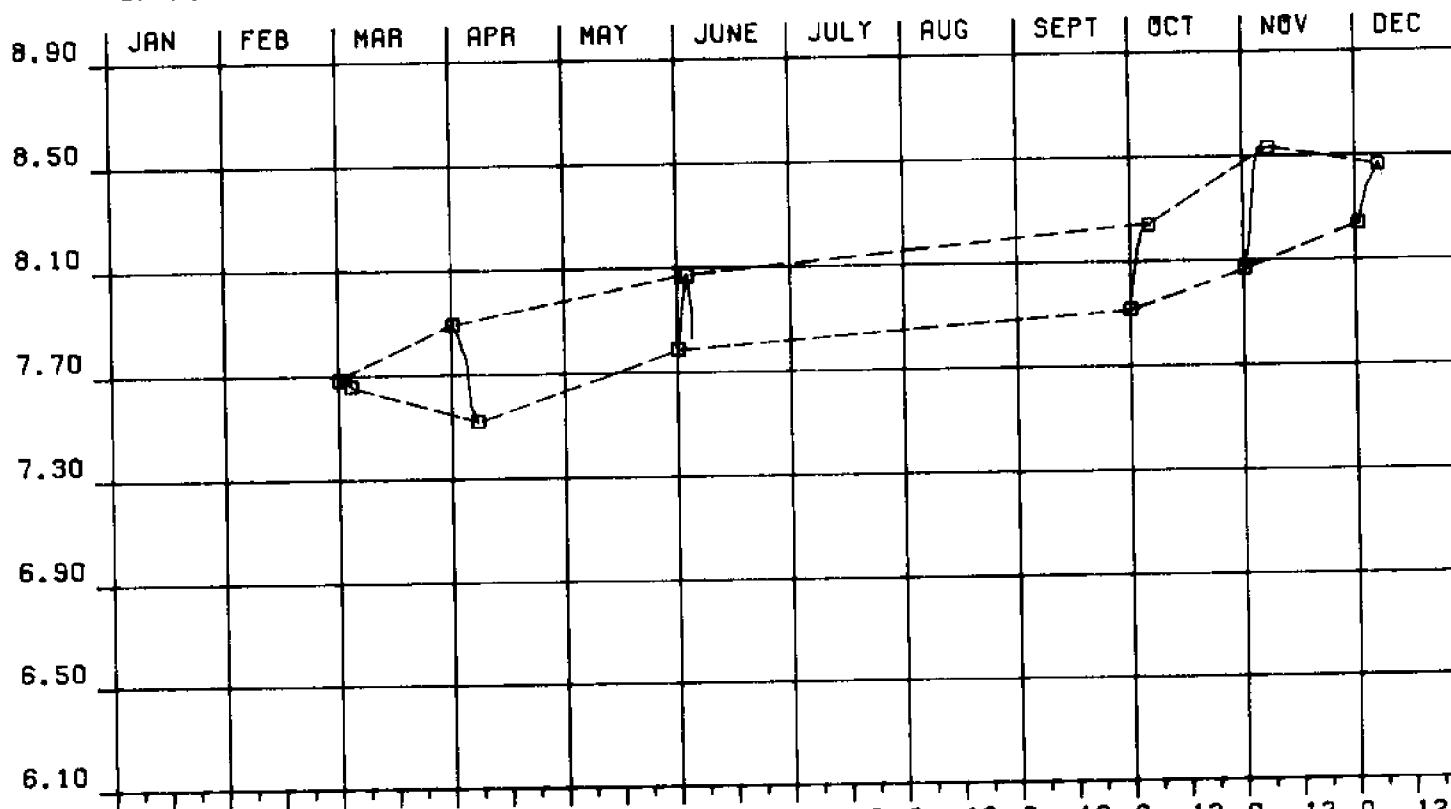


D9 SAN GABRIEL RIVER MOUTH

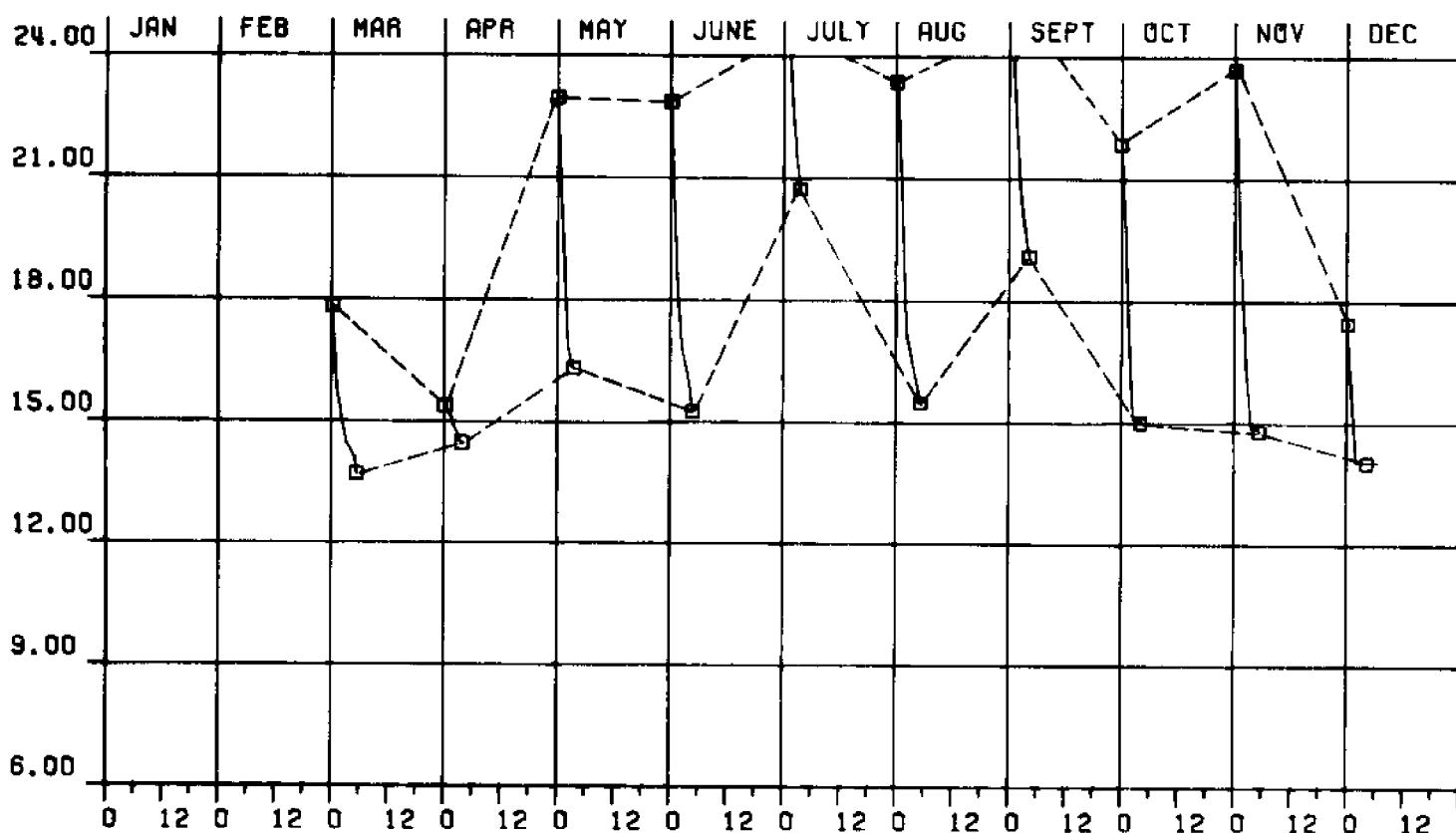
DATE: 1974

EACH SUBGRAPH BY MONTH

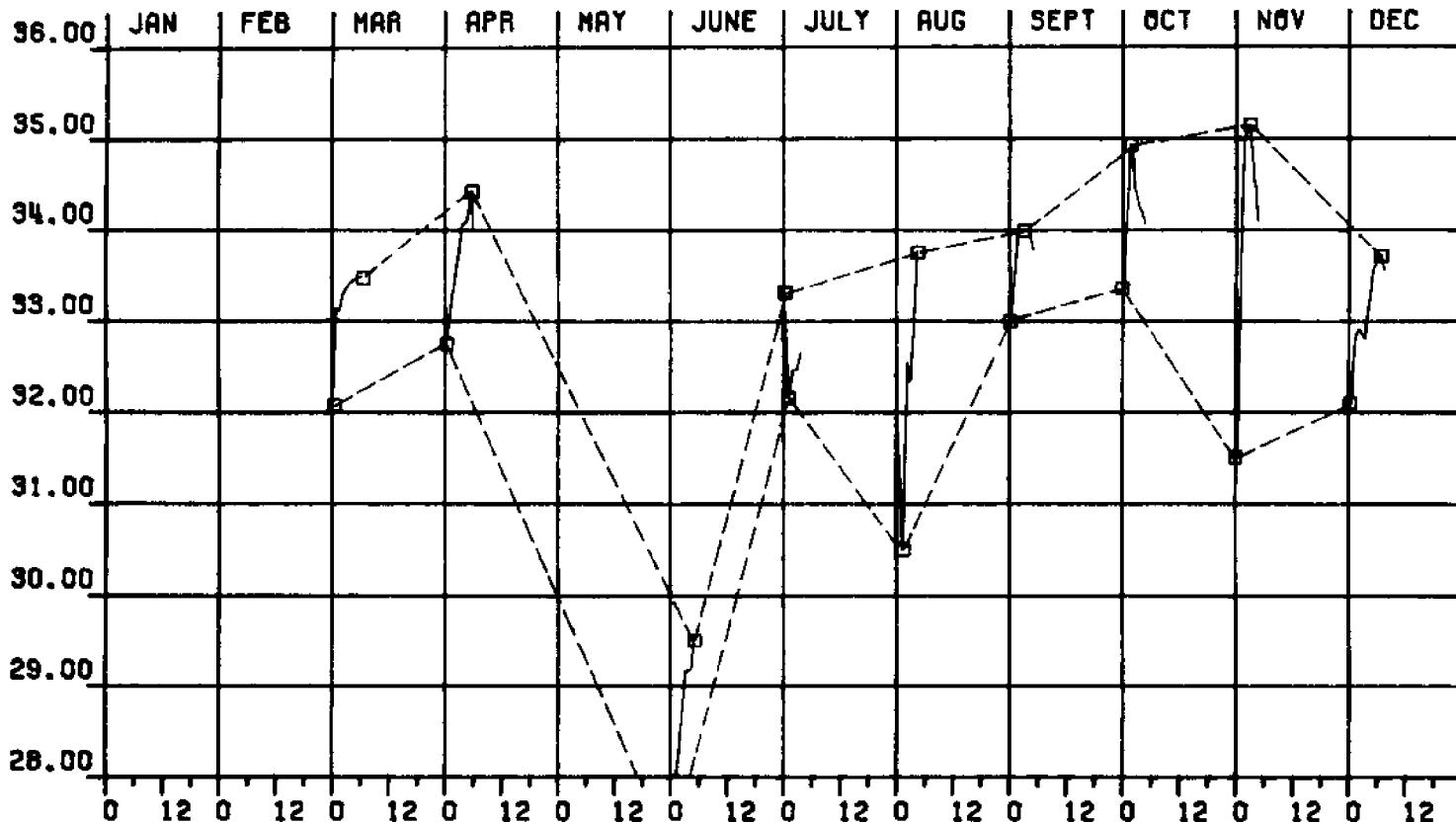
DATA: DEPTH METERS VS. PH H ION CONC



D9 SAN GABRIEL RIVER MOUTH
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. TEMPERATURE CELSIUS



D9 SAN GABRIEL RIVER MOUTH
DATE: 1974
EACH SUBGRAPH BY MONTH
DATA: DEPTH METERS VS. SALINITY PPT



DATE: MARCH 1974
STATION: D9 SAN GABRIEL RIVER MOUTH

METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.02 PPM	PH H ION CONC	TURBIDITY %
00	0.0	17.80	64.04	32.15	7.20	7.67	-1.00
01	3.28	15.90	60.62	33.15	7.70	7.68	-1.00
02	6.56	15.10	59.18	33.15	7.60	7.68	-1.00
03	9.84	14.90	58.82	33.35	7.40	7.69	-1.00
04	13.12	14.60	58.28	33.60	7.50	7.69	-1.00
05	16.40	14.30	57.74	33.45	7.30	7.67	-1.00
06	19.68	13.70	56.66	33.45	6.90	7.63	-1.00

DATE: APRIL 1974
STATION: D9 SAN GABRIEL RIVER MOUTH

METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.02 PPM	PH H ION CONC	TURBIDITY %
00	0.0	15.50	59.90	32.75	7.70	7.94	59.00
01	3.28	15.40	59.72	33.30	7.70	7.89	67.00
02	6.56	15.30	59.54	34.00	7.90	7.86	67.50
03	9.84	14.90	58.82	34.15	8.30	7.82	77.00
04	13.12	14.80	58.64	34.15	8.30	7.78	79.50
05	16.40	14.50	58.10	34.40	6.50	7.57	59.00
06	19.68	14.50	58.10	34.00	6.50	7.55	-1.00

DATE: MAY 1974
STATION: D9 SAN GABRIEL RIVER MOUTH

METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.02 PPM	PH H ION CONC	TURBIDITY %
00	0.0	23.00	73.40	-1.00	6.40	-1.00	68.00
01	3.28	19.20	66.56	-1.00	10.20	-1.00	66.00
02	6.56	16.90	62.42	+1.00	9.80	-1.00	74.00
03	9.84	16.50	61.70	-1.00	10.00	-1.00	78.00
04	13.12	16.40	61.52	-1.00	9.90	-1.00	63.50
05	16.40	-1.00	32.00	-1.00	-1.00	-1.00	56.00

DATE: JUNE 1974
STATION: D9 SAN GABRIEL RIVER MOUTH

METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.02 PPM	PH H ION CONC	TURBIDITY %
00	0.0	22.90	73.22	27.10	4.20	7.77	68.00
01	3.28	20.20	68.36	28.30	6.40	7.90	64.50
02	6.56	16.90	62.42	29.20	8.20	8.02	62.00
03	9.84	16.30	61.34	29.20	6.80	7.91	71.00
04	13.12	15.30	59.54	29.50	4.70	7.82	49.00

DATE: JULY 1974
STATION: D9 SAN GABRIEL RIVER MOUTH

METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.02 PPM	PH H ION CONC	TURBIDITY %
00	0.0	26.30	79.34	33.30	-1.00	-1.00	57.00
01	3.28	25.00	77.00	32.20	-1.00	-1.00	56.50
02	6.56	22.40	72.32	32.60	-1.00	-1.00	64.50
03	9.84	20.90	69.62	32.60	-1.00	-1.00	79.00
04	13.12	20.80	69.44	32.70	-1.00	-1.00	75.00

DATE: AUGUST 1974
STATION: D9 SAN GABRIEL RIVER MOUTH

METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.02 PPM	PH H ION CONC	TURBIDITY %
00	0.0	23.10	73.58	31.80	7.40	-1.00	59.00
01	3.28	21.20	70.16	30.50	8.00	-1.00	70.00
02	6.56	17.10	62.78	32.60	8.60	-1.00	78.00
03	9.84	16.40	61.52	32.40	8.90	-1.00	89.00
04	13.12	15.50	59.90	33.70	8.10	-1.00	75.00

DATE: SEPTEMBER 1974

STATION: D9 SAN GABRIEL RIVER MOUTH

METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.02 PPM	PH H ION CONC	TURBIDITY %
00	0.0	27.20	80.96	33.00	6.40	-1.00	66.00
01	3.28	21.00	69.80	34.00	5.80	-1.00	70.50
02	6.56	19.80	67.64	34.00	6.80	-1.00	78.50
03	9.84	19.60	67.28	34.00	6.80	-1.00	77.00
04	13.12	19.50	67.10	33.70	6.20	-1.00	73.00

DATE: OCTOBER 1974

STATION: D9 SAN GABRIEL RIVER MOUTH

METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.02 PPM	PH H ION CONC	TURBIDITY %
00	0.0	22.00	71.60	33.40	-1.00	7.97	66.50
01	3.28	15.80	60.44	34.90	-1.00	8.18	70.50
02	6.56	15.10	59.18	34.50	-1.00	8.21	84.00
03	9.84	15.10	59.18	34.50	-1.00	8.23	86.00
04	13.12	15.00	59.00	34.05	-1.00	8.23	85.00

DATE: NOVEMBER 1974

STATION: D9 SAN GABRIEL RIVER MOUTH

METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.02 PPM	PH H ION CONC	TURBIDITY %
00	0.0	23.40	74.12	31.60	6.40	8.05	-1.00
01	3.28	18.70	65.66	34.70	7.40	8.22	-1.00
02	6.56	16.50	61.70	35.20	7.80	8.59	-1.00
03	9.84	14.90	58.82	35.00	7.80	8.58	-1.00
04	13.12	14.90	58.82	34.50	7.90	8.58	-1.00
05	16.40	14.80	58.64	34.10	7.90	8.58	-1.00

DATE: DECEMBER 1974

STATION: D9 SAN GABRIEL RIVER MOUTH

METERS	DEPTH FEET	TEMPERATURE C	TEMPERATURE F	SALINITY 0/00	D.02 PPM	PH H ION CONC	TURBIDITY %
00	0.0	17.40	63.32	32.10	5.90	8.26	69.00
01	3.28	16.10	60.98	32.80	6.20	8.24	50.00
02	6.56	13.80	56.84	32.90	6.30	8.37	58.00
03	9.84	13.70	56.66	32.80	6.40	8.39	60.00
04	13.12	13.70	56.66	33.60	7.00	8.42	59.00
05	16.40	13.70	56.66	33.70	6.70	8.46	58.00
06	19.68	13.70	56.66	33.60	6.80	8.44	58.00

