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Water quality in Chesapeake Bay : Virginia portion, water year 1989 : a report to the Virginia Water Control Board

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A detailed map of the Chesapeake Bay Virginia Portion, showing the Susquehanna River, Potomac River, York River, James River, and Delaware Bay. Major cities like Baltimore, Washington, Richmond, and Norfolk are marked. The map includes a coordinate grid and a scale bar.

**WATER QUALITY IN CHESAPEAKE BAY
VIRGINIA PORTION**

Water Year 1989

By
**Kevin Curling
and
Bruce Neilson**

**A Report to
The Virginia Water Control Board**

Data Report No. 35

**Virginia Institute of Marine Science
School of Marine Science
The College of William and Mary in Virginia
Gloucester Point, Virginia 23062**

MARCH 11, 1991



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| Particulate Nitrogen | 90 |
| Ammonia | 97 |
| Nitrite + Nitrate | 104 |
| Nitrite | 111 |
| Dissolved Silica | 118 |
| Dissolved Organic Carbon | 125 |
| Particulate Carbon | 132 |
| Total Suspended Solids | 139 |
| pH | 146 |

INTRODUCTION

In the summer of 1984 a comprehensive water quality monitoring program was initiated for the Chesapeake Bay system. Funding for monitoring of the main stem of Chesapeake Bay was provided by the U.S. Environmental Protection Agency, while monitoring of the tributaries to the bay was supported by the states of Virginia and Maryland, and the District of Columbia. This monitoring program had three goals:

- (1) characterization of water quality conditions,
- (2) the ability to detect trends in water quality,
- (3) a data base that would allow scientists to propose hypotheses regarding the processes controlling water quality.

The purpose of this report is to characterize water quality conditions during the 1989 water year, October 1988 through September 1989. For the most part, the information is provided in graphical format. Only data for the Virginia portion of Chesapeake Bay is included. No data analysis or interpretation is included, since this is the stated purpose of a number of other reports.

We believe that the report will be useful to both scientists and managers who need ready access to some portion of the data on a regular basis. With this report one could, for example, quickly examine seasonal patterns, compare conditions at two stations, or see if surface and bottom conditions differed significantly. Trends, inter-annual variations and other important considerations are treated in other reports.

DESCRIPTION OF THE MONITORING PROGRAM

The Chesapeake Bay monitoring program includes some fifty stations within the bay proper or at the confluence of a tributary and the bay. Twenty-eight of those stations are located in Virginia. The responsibility for the monitoring in Virginia is shared between the Virginia Institute of Marine Science (VIMS) and Old Dominion University (ODU). VIMS samples the mid-portion of the bay, Mobjack Bay, and at the mouths of the Great Wicomico, Rappahannock, Piankiatank, York, Poquoson, and Back Rivers. ODU samples the lower portion of the bay and at the mouth of the James River. Station locations and depths are listed in Table 1, and locations shown in Figure 1.

Table 1. Location of Chesapeake Bay Water Quality Monitoring Stations

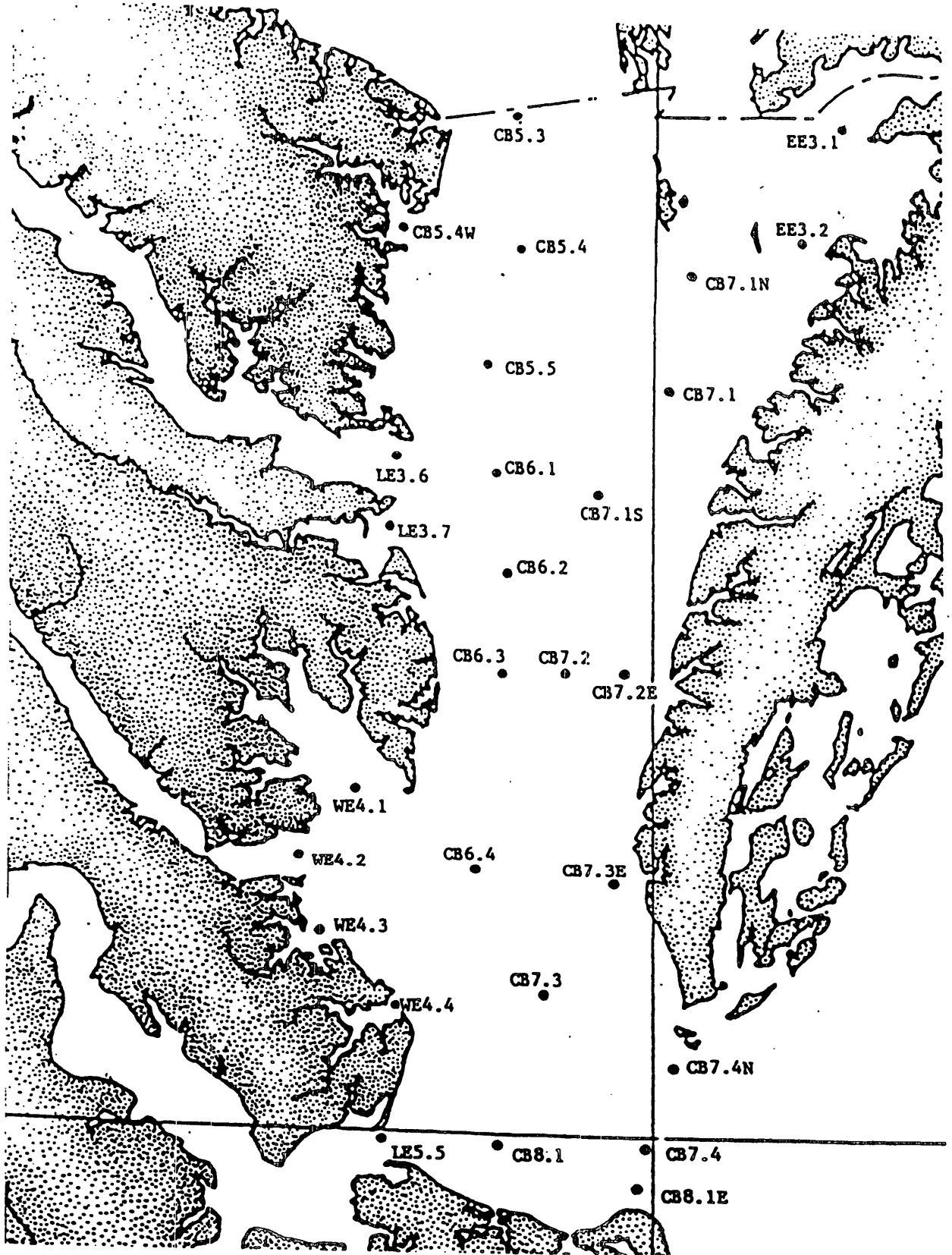
Sampled by VIMS

| <u>Station</u> | <u>Latitude</u> | <u>Longitude</u> | <u>Depth</u> |
|----------------|-----------------|------------------|--------------|
| CB5.3 | 37 57.7 | 76 10.0 | 23 |
| CB5.4 | 37 48.0 | 76 10.5 | 33 |
| CB5.5 | 37 41.5 | 76 11.4 | 20 |
| CB6.1 | 37 35.3 | 76 9.8 | 13 |
| CB6.2 | 37 29.2 | 76 9.4 | 11 |
| CB6.3 | 37 24.7 | 76 9.6 | 12 |
| EE3.1 | 37 54.5 | 75 47.5 | 4 |
| EE3.2 | 37 47.6 | 75 50.6 | 26 |
| CB7.1N | 37 46.5 | 75 58.5 | 32 |
| CB7.1 | 37 41.0 | 75 59.4 | 25 |
| CB7.1S | 37 34.9 | 76 3.5 | 16 |
| CB5.4W | 37 48.8 | 76 17.7 | 5 |
| CB7.2 | 37 24.7 | 76 4.8 | 23 |
| CB7.2E | 37 24.7 | 76 1.5 | 14 |
| LE3.6 | 37 35.8 | 76 17.1 | 10 |
| LE3.7 | 37 31.8 | 76 18.4 | 8 |
| WE4.1 | 37 18.7 | 76 20.8 | 6 |
| WE4.2 | 37 14.5 | 76 23.2 | 15 |
| WE4.3 | 37 10.6 | 76 22.4 | 6 |
| WE4.4 | 37 6.6 | 76 17.6 | 8 |

Sampled by ODU

| <u>Station</u> | <u>Latitude</u> | <u>Longitude</u> | <u>Depth</u> |
|----------------|-----------------|------------------|--------------|
| CB6.4 | 37 14.2 | 76 12.5 | 11 |
| CB7.3 | 37 7.0 | 76 7.5 | 14 |
| CB7.4 | 36 59.6 | 76 0.6 | 14 |
| CB7.4N | 37 3.5 | 75 58.4 | 13 |
| CB8.1E | 36 56.7 | 76 1.5 | 18 |
| CB8.1 | 36 59.3 | 76 10.1 | 9 |
| CB7.3E | 37 13.7 | 76 3.3 | 20 |
| LE5.5 | 36 59.8 | 76 18.2 | 21 |

Figure 1. Map of Monitoring Stations



This report covers the 1989 water year; that is, October 1988 through September 1989. Sampling occurs twice per month during the warmer part of the year and once per month during colder months. During the 1989 water year, the once per month sampling occurred in November 1988 through March 1989 (see Table 2). All of the institutions attempt to complete the sampling at all bay and tributary stations within a three day window, typically the Monday through Wednesday of the chosen week. These sampling periods are determined in advance with scheduling dictated in large part by availability of research vessels. The time of sampling within the three day period is determined by each institution, with weather conditions frequently playing a major role in timing. No attempt is made to schedule the sampling at any lunar phase or to sample individual stations at particular tidal phases. Note that the twice per month frequency means that roughly the same stage of the lunar cycle will be captured, except when there is a three week interval, and the sampling switches to a different phase of the lunar cycle.

At each station, a standard protocol for sampling is followed. (See the Field Procedures Manual and the Instrument Calibration Manual for details.) Observations on sea state, weather conditions, and water clarity (Secchi depth reading) are made at each station when possible. The physical setting is monitored using continuous profiling instruments. Water temperature, conductivity, dissolved oxygen (DO), and pH readings are recorded at one meter intervals beginning at one meter below the surface (the surface sample) and continuing until one meter above the bottom (the bottom sample). At stations greater than 15 meters deep, measurements are recorded at one meter intervals for the first 15 meters, and two meters thereafter.

Water samples are collected at each station to determine water quality conditions. Each sample is analyzed for nutrients (carbon, nitrogen, phosphorus, silica), chlorophyll, and suspended solids. The complete list of analyses is given in Table 3. (See the Laboratory Procedures Manual for further details on nutrient analyses.)

Samples are collected one meter below the surface and one meter above the bottom at all stations. Additional samples are collected at the deep "main stem" stations - CB5.3, CB5.4, CB5.5, CB6.1, CB6.2, CB6.3, CB6.4, CB7.3, and CB7.4. If the water column shows little density stratification, the additional samples are collected at 1/3rd and 2/3rd depths. If there is appreciable

stratification, the samples are collected one meter above and one meter below the pycnocline, the layer within which density changes rapidly. The precise depths for sample collection are determined using the algorithm in Table 4.

Table 2. Days within each month when each station was sampled.

| | Oct. 88 | Nov. 88 | Dec. 88 | Jan. 89 | Feb. 89 | March 89 |
|--------|------------|------------|------------|------------|------------|-------------|
| CB5.3 | 3, 26 | 8 | 5 | 17 | 15 | 6 |
| CB5.4 | 3, 26 | 8 | 5 | 17 | 15 | 6 |
| CB5.5 | 3, 26 | 9 | 5 | 18 | 15 | 10 |
| CB6.1 | 6, 26 | 9 | 5 | 18 | 14 | 10 |
| CB6.2 | 6, 27 | 9 | 6 | 18 | 14 | 10 |
| CB6.3 | 6, 27 | 9 | 6 | 18 | 14 | 10 |
| CB6.4 | 3, 24 | 7 | 5 | 16 | 13 | 13 |
| CB7.3 | 3, 24 | 7 | 5 | 16 | 13 | 13 |
| CB7.4 | 3, 24 | 7 | 5 | 16 | 13 | 13 |
| CB7.4N | 3, 24 | 7 | 5 | 16 | 13 | 13 |
| CB8.1E | 3, 24 | 7 | 3 | 16 | 13 | 13 |
| CB8.1 | 3, 24 | 7 | 5 | 16 | 13 | 13 |
| EE3.1 | 3, 26 | 8 | 5 | 17 | 15 | 6 |
| EE3.2 | 3, 26 | 8 | 5 | 17 | 15 | 6 |
| CB7.1N | 3, 26 | 8 | 5 | 17 | 14 | 6 |
| CB7.1 | 6, 26 | 8 | 5 | 17 | 14 | 10 |
| CB7.1S | 6, 26 | 8 | 6 | 17 | 14 | 10 |
| CB5.4W | 3, 26 | 8 | 5 | 17 | 15 | 6 |
| CB7.2 | 6, 27 | 9 | 6 | 18 | 14 | 10 |
| CB7.2E | 6, 27 | 9 | 6 | 18 | 14 | 10 |
| CB7.3E | 3, 24 | 7 | 5 | 16 | 13 | 13 |
| LE3.6 | 3, 26 | 9 | 6 | 18 | 15 | 10 |
| LE3.7 | 3, 26 | 9 | 6 | 18 | 15 | 10 |
| WE4.1 | 6, 25 | 7 | 6 | 18 | 15 | 10 |
| WE4.2 | 6, 25 | 7 | 5 | 17 | 14 | 10 |
| WE4.3 | 5, 25 | 9 | 6 | 18 | 14 | 10 |
| WE4.4 | 6, 25 | 9 | 6 | 18 | 14 | 13 |
| LE5.5 | 3, 24 | 7 | 5 | 16 | 13 | 13 |

Table 2 (cont.). Days within each month when each station was sampled.

| | April 89 | May 89 | June 89 | July 89 | Aug. 89 | Sep. 89 |
|--------|--------------|-----------|------------|------------|------------|------------|
| CB5.3 | 4, 18 | 2, 16 | 12, 26 | 10, 24 | 16, 29 | 11, 26 |
| CB5.4 | 4, 18 | 2, 16 | 12, 26 | 10, 24 | 16, 29 | 11, 26 |
| CB5.5 | 4, 17 | 2, 15 | 12, 26 | 10, 24 | 16, 29 | 11, 25 |
| CB6.1 | 4, 17 | 2, 15 | 12, 27 | 10, 24 | 15, 28 | 12, 25 |
| CB6.2 | 3, 17 | 1, 15 | 14, 27 | 11, 25 | 15, 28 | 12, 25 |
| CB6.3 | 3, 17 | 1, 15 | 14, 27 | 11, 25 | 15, 28 | 12, 25 |
| CB6.4 | 3, 17 | 3, 18 | 12, 27 | 11, 24 | 15, 29 | 11, 28 |
| CB7.3 | 3, 17 | 3, 18 | 12, 27 | 11, 24 | 15, 29 | 11, 28 |
| CB7.4 | 3, 17 | 3, 18 | 12, 27 | 11, 24 | 15, 29 | 11, 28 |
| CB7.4N | 3, 17 | 3, 18 | 12, 27 | 11, 24 | 15, 29 | 11, 28 |
| CB8.1E | 3, 17 | 3, 18 | 12, 27 | 11, 24 | 15, 29 | 11, 28 |
| CB8.1 | 3, 17 | 3, 18 | 12, 27 | 11, 24 | 15, 29 | 11, 28 |
| EE3.1 | 3, 18 | 2, 16 | 12, 26 | 10, 25 | 16, 30 | 11, 26 |
| EE3.2 | 3, 18 | 2, 16 | 12, 26 | 10, 25 | 16, 29 | 11, 26 |
| CB7.1N | 4, 18 | 2, 16 | 12, 26 | 10, 25 | 15, 29 | 11, 26 |
| CB7.1 | 3, 17 | 1, 15 | 14, 26 | 10, 25 | 15, 30 | 11, 25 |
| CB7.1S | 3, 17 | 1, 15 | 14, 27 | 11, 24 | 15, 28 | 12, 25 |
| CB5.4W | 4, 18 | 2, 16 | 12, 26 | 10, 24 | 16, 29 | 11, 26 |
| CB7.2 | 3, 17 | 1, 15 | 14, 27 | 11, 25 | 15, 28 | 12, 25 |
| CB7.2E | 3, 17 | 1, 15 | 14, 27 | 11, 25 | 15, 28 | 12, 25 |
| CB7.3E | 3, 17 | 3, 18 | 12, 27 | 11, 24 | 15, 29 | 11, 28 |
| LE3.6 | 4, 17 | 1, 15 | 12, 27 | 11, 24 | 15, 28 | 12, 26 |
| LE3.7 | 4, 17 | 1, 16 | 12, 27 | 11, 24 | 15, 28 | 12, 25 |
| WE4.1 | 4, 18 | 2, 16 | 14, 26 | 10, 24 | 16, 28 | 11, 25 |
| WE4.2 | 3, 17, 29 | -, 15 | 14, 26 | 10, 24 | 15, 28 | 11, 25 |
| WE4.3 | 3, 17 | 1, 15 | 14, 26 | 10, 24 | 16, 28 | 11, 25 |
| WE4.4 | 3, 17 | 1, 15 | 14, 26 | 10, 24 | 16, 28 | 11, 25 |
| LE5.5 | 3, 17 | 3, 17 | 12, 27 | 11, 24 | 15, 29 | 11, 28 |

Table 3. Water Quality Analyses

Carbon

Particulate carbon
Dissolved organic carbon

Nitrogen

Particulate nitrogen
Total dissolved nitrogen
Ammonia-nitrogen
Nitrite-nitrogen
Nitrate+nitrite-nitrogen

Phosphorus

Particulate phosphorus
Total dissolved phosphorus
Orthophosphate

Silica

Dissolved silica

Chlorophyll

Total Suspended Solids

Table 4. Algorithm to determine pycnocline location and sampling depths

$$\frac{(\text{Cond.atBottom} - \text{Cond.atSurface})}{(\text{TotalDepth} - 0.5)} \times 2 = \text{Thresholdvalue}$$

If the threshold value is less than 0.5, then samples are taken at one-third and two-thirds depths.

If the threshold value is greater than 0.5, then a sample is taken one meter above the first occurrence (proceeding from the surface to the bottom) where the change in conductivity between depths is greater than the threshold value and another sample is taken one meter below the last occurrence where the change in conductivity between depths is greater than the threshold value.

RESULTS

The monitoring results are presented in tables and figures in the appendices and are arranged by water quality analysis. For each measure of water quality, the maximum, mean, and minimum values observed at each station during the year are listed in the table. These statistics are given for both the surface and bottom sampling points. These tables then show the range of values encountered during the year, the mean conditions, and they also show whether there are surface to bottom differences.

Following the table, the data for each station has been plotted, so that the seasonal cycle can be seen. When there were two cruises during a month, the data from the two cruises have been combined. The surface and bottom values are presently independently, along with the monthly maximum, minimum, and mean concentrations. The maximum and minimum values at the surface are presented as "whiskers" and the maximum and minimum values at the bottom are presented as "boxes".

Only data for the surface and bottom samples have been tabulated and plotted; no pycnocline results are included. The reader should note this, so that there is no confusion with surface mixed layer or bottom mixed layer values, which would be determined by averaging the surface and above pycnocline results, or the below pycnocline and bottom results.

Perhaps the single most important measure of water quality is the dissolved oxygen (DO) concentration. For estuarine waters in Virginia, state water quality standards specify that the daily average DO concentration should be 5.0 mg/l or greater and that no observation should be below 4.0 mg/l. The portion of the observations below 5 mg/l and below 4 mg/l have been calculated for each station and are included in the DO section.

Several values have been calculated and plotted. Salinity is determined using water temperature and conductivity observations and the UNESCO Equations of State (UNESCO, 1983). Total phosphorus and total nitrogen have been calculated by summing the values for the particulate and total dissolved fractions. Chlorophyll-a has been calculated using a trichromatic formulate (ASTM method D 3731-79).

REFERENCES

- Field Procedures Manual. 1989. Data Acquisition and Instrumentation Group, Physical Oceanography Division, VIMS.
- Instrument Calibration Manual. 1989. Data Acquisition and Instrumentation Group, Physical Oceanography Division, VIMS.
- Laboratory Procedures Manual. 1989. Nutrient Analysis Laboratory, Physical Oceanography Division, VIMS.
- ASTM D 3731-79: Standard Practices for Measurement of Chlorophyll Content of Algae in Surface Waters. In: 1979 Annual Book of ASTM Standards, Part 31, Water. American Society for Testing and Materials, Philadelphia, Pennsylvania.
- UNESCO, 1983. UNESCO Technical Papers in Marine Science 44. Algorithms for Computation of Fundamental Properties of Seawater.

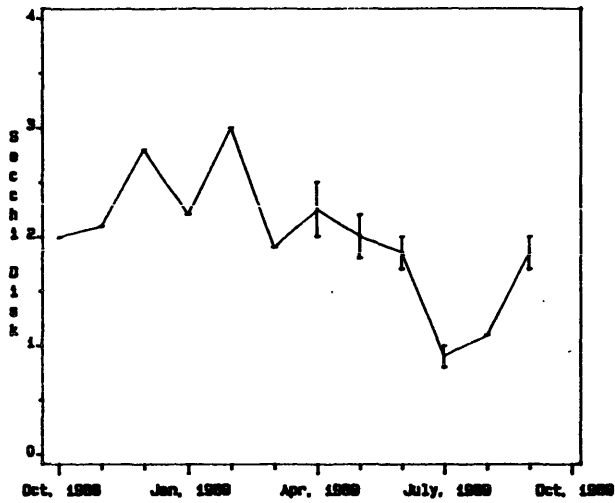
SECCHI DISK

Values reported as meters.

Secchi Disk
October, 1988 - September, 1989

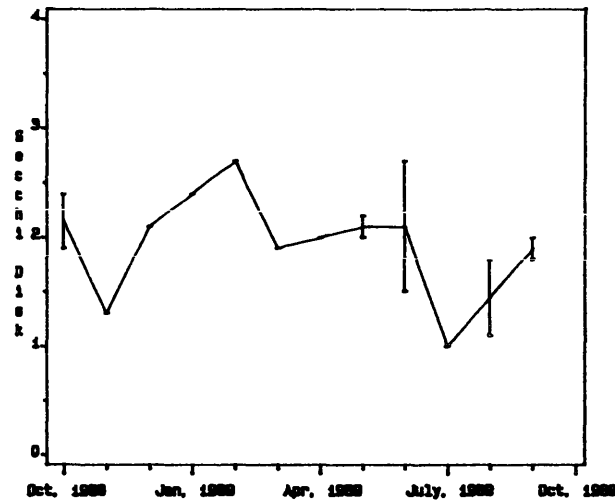
| | Secchi Disk | | |
|-------------|-------------|------|------|
| | Max | Mean | Min |
| CB5.3..... | 3.00 | 1.89 | 0.80 |
| CB5.4..... | 2.70 | 1.88 | 1.00 |
| CB5.5..... | 3.00 | 1.85 | 0.70 |
| CB6.1..... | 3.10 | 1.76 | 0.70 |
| CB6.2..... | 3.00 | 1.61 | 0.60 |
| CB6.3..... | 2.60 | 1.40 | 0.40 |
| CB6.4..... | 3.10 | 1.73 | 1.00 |
| CB7.3..... | 3.50 | 2.01 | 1.30 |
| CB7.4..... | 3.80 | 2.19 | 1.40 |
| CB7.4N..... | 3.40 | 2.12 | 1.50 |
| CB8.1E..... | 3.20 | 1.97 | 1.30 |
| CB8.1..... | 2.80 | 1.81 | 1.30 |
| EE3.1..... | 2.10 | 0.90 | 0.30 |
| EE3.2..... | 2.20 | 1.24 | 0.70 |
| CB7.1N..... | 2.70 | 1.63 | 0.90 |
| CB7.1..... | 3.10 | 1.64 | 1.00 |
| CB7.1S..... | 3.50 | 1.66 | 0.80 |
| CB5.4W..... | 2.60 | 1.56 | 0.80 |
| CB7.2..... | 2.30 | 1.56 | 0.80 |
| CB7.2E..... | 2.30 | 1.61 | 0.80 |
| CB7.3E..... | 3.10 | 1.86 | 1.00 |
| LE3.6..... | 3.60 | 1.89 | 0.90 |
| LE3.7..... | 3.00 | 1.72 | 0.70 |
| WE4.1..... | 2.30 | 1.27 | 0.70 |
| WE4.2..... | 2.00 | 1.41 | 1.00 |
| WE4.3..... | 2.20 | 1.46 | 0.80 |
| WE4.4..... | 2.10 | 1.18 | 0.70 |
| LE5.5..... | 2.60 | 1.43 | 1.10 |

Station Id-CBS.3



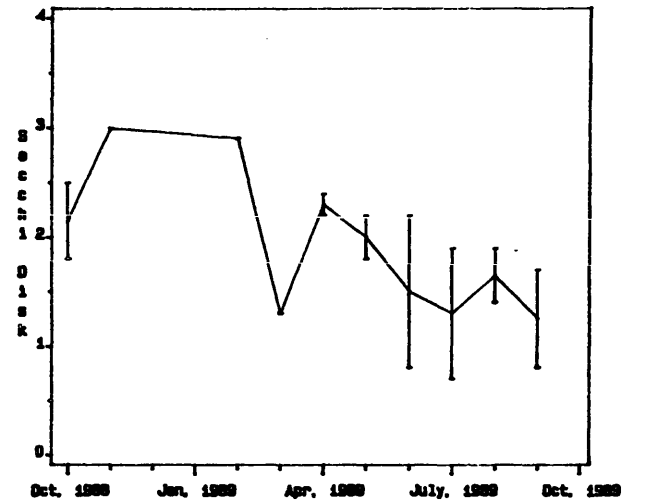
Month
LAYER — Surface

Station Id-CBS.4



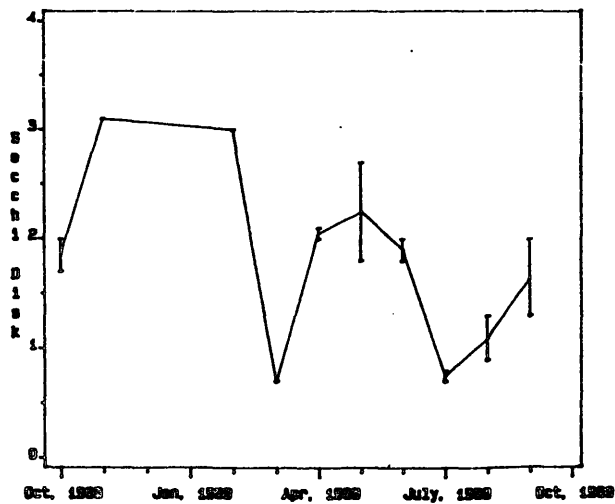
Month
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Station Id-CBS.5



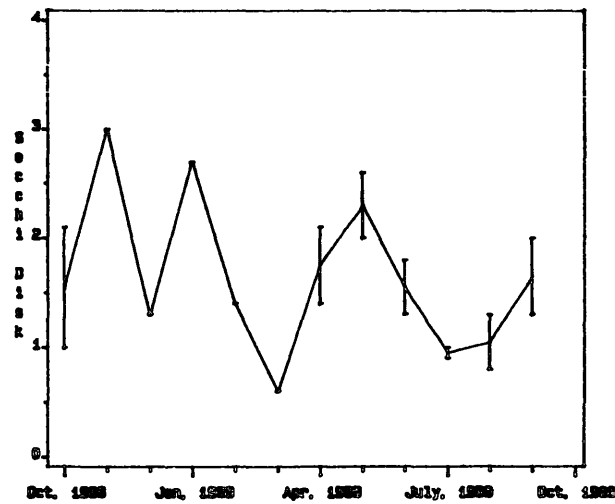
Month
LAYER — Surface

Station Id-CBS.1



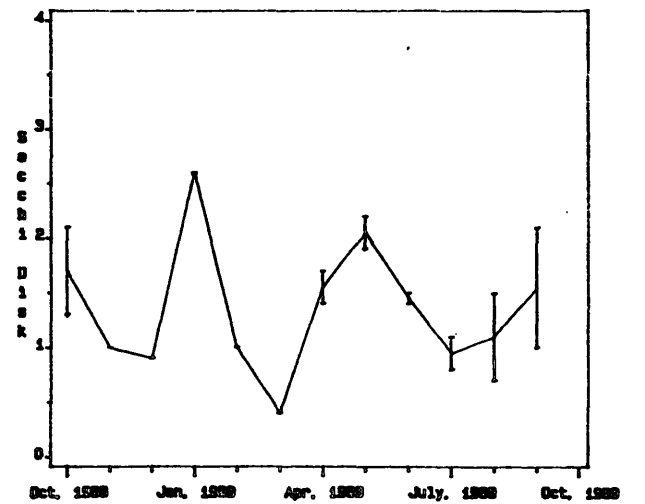
Month
LAYER — Surface

Station Id-CBS.2



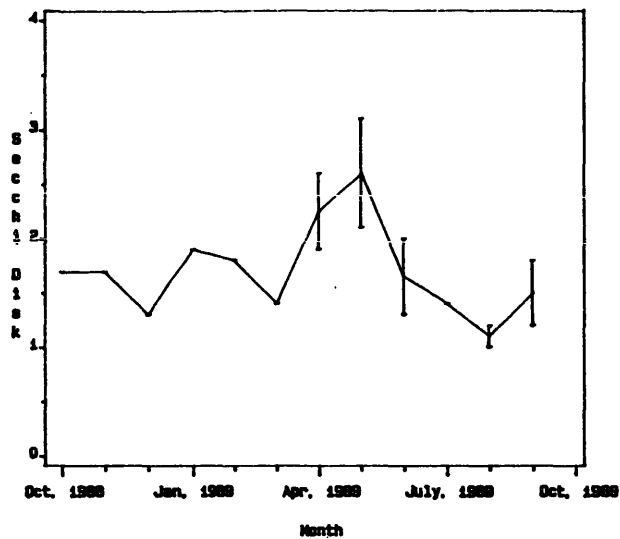
Month
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Station Id-CBS.3



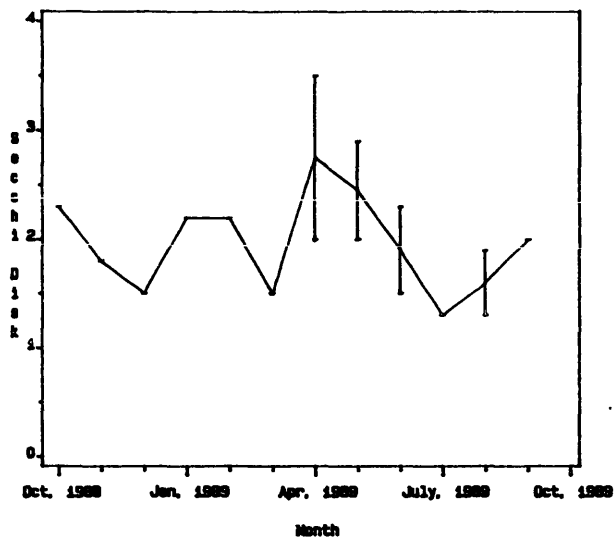
Month
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Station Id-C86.4



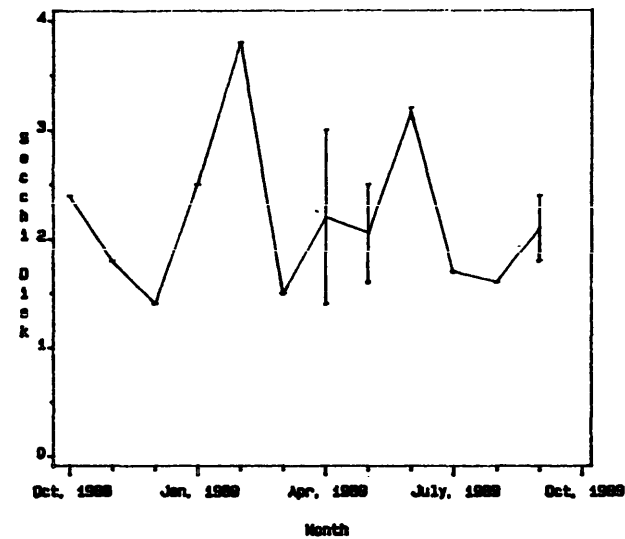
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Station Id-C87.3



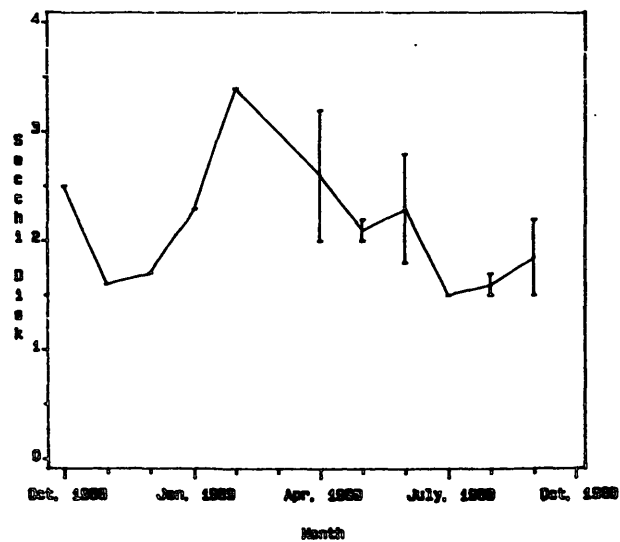
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Station Id-C87.4



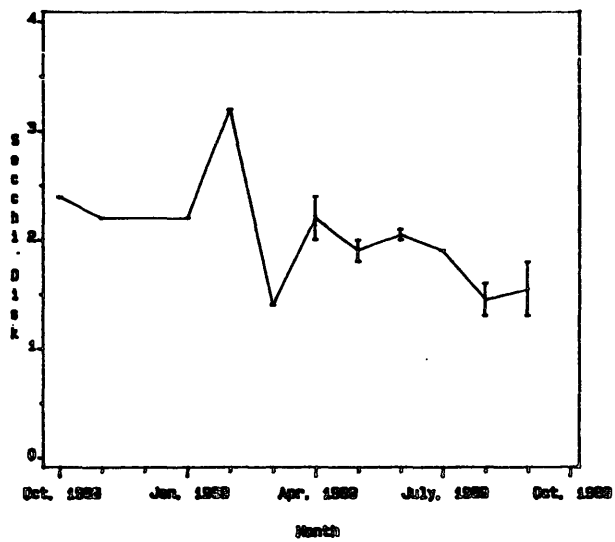
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Station Id-C87.4N



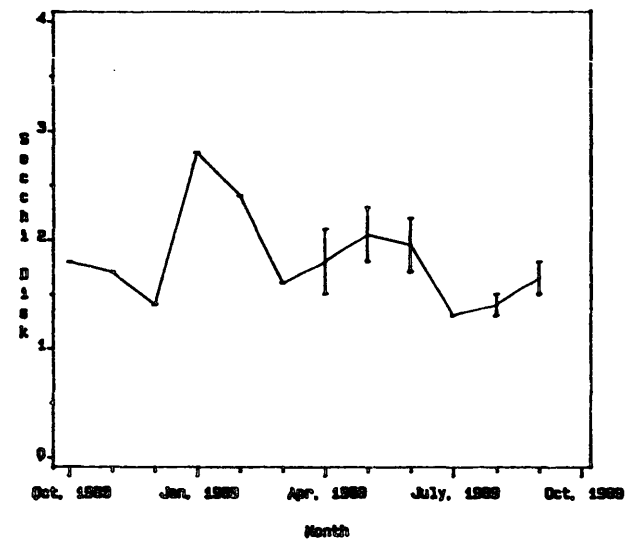
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Station Id-C88.1E



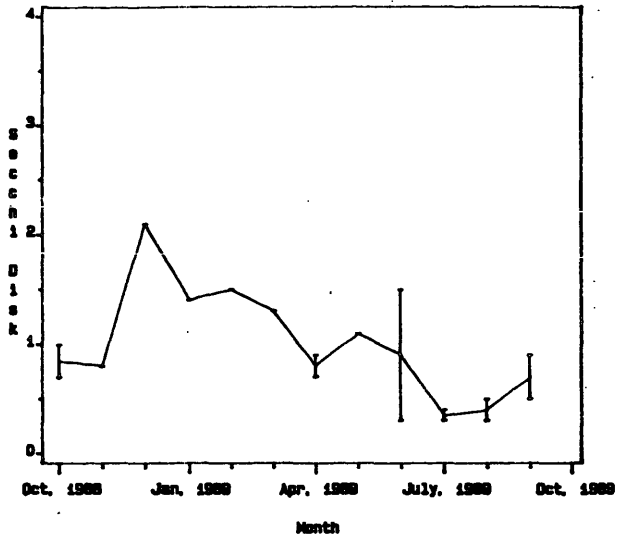
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Station Id-C88.1



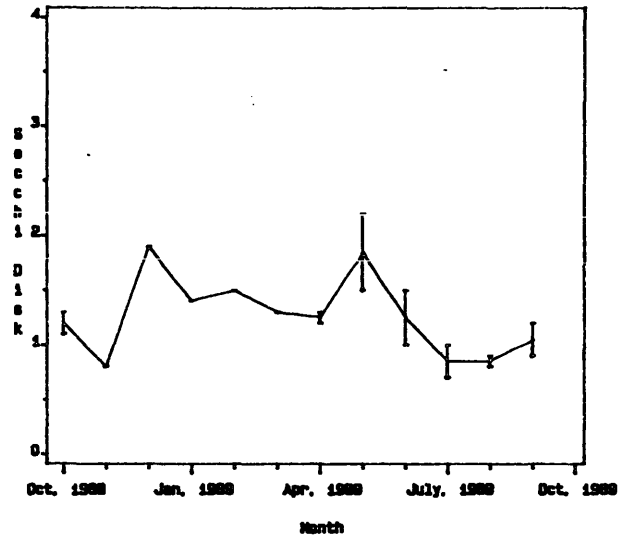
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Station Id-CB3.1



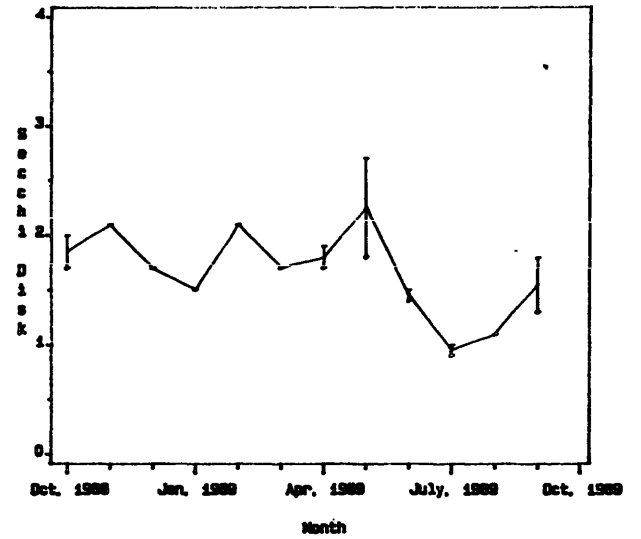
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Station Id-CB3.2



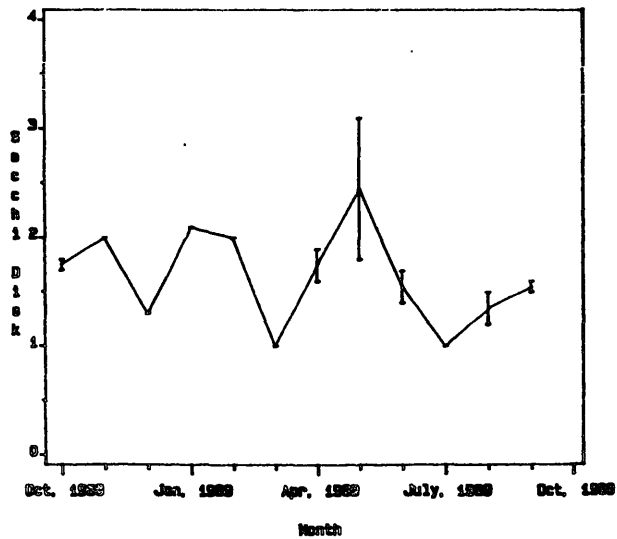
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Station Id-CB7.1N



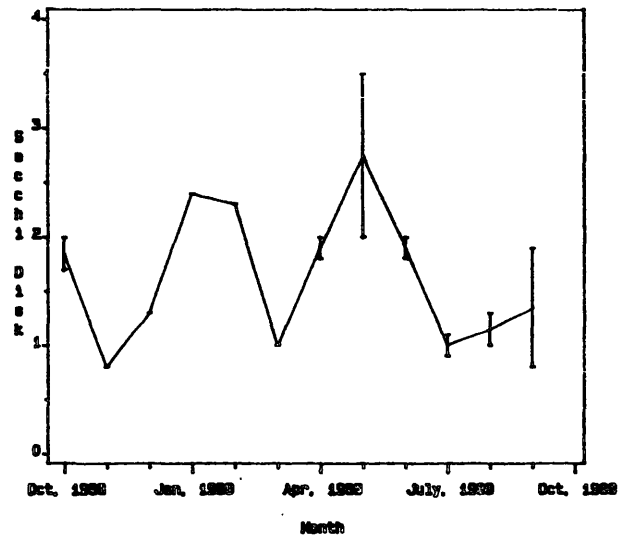
LAYER — Surface

Station Id-CB7.1



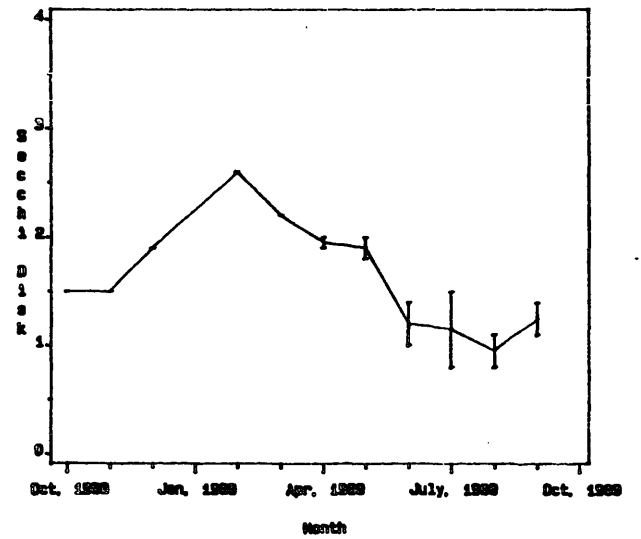
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Station Id-CB7.1S



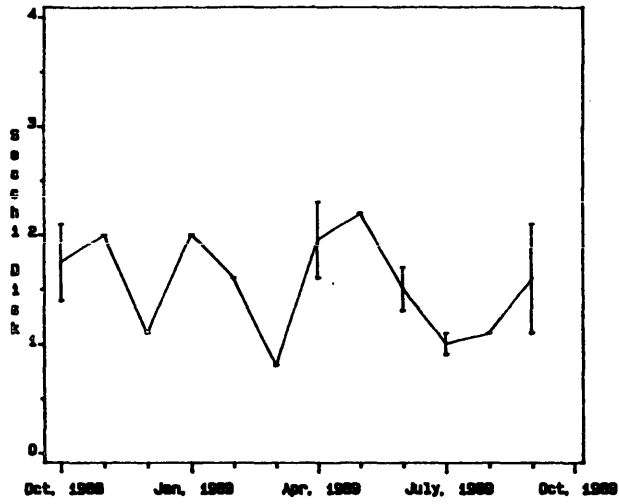
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Station Id-CB8.4N



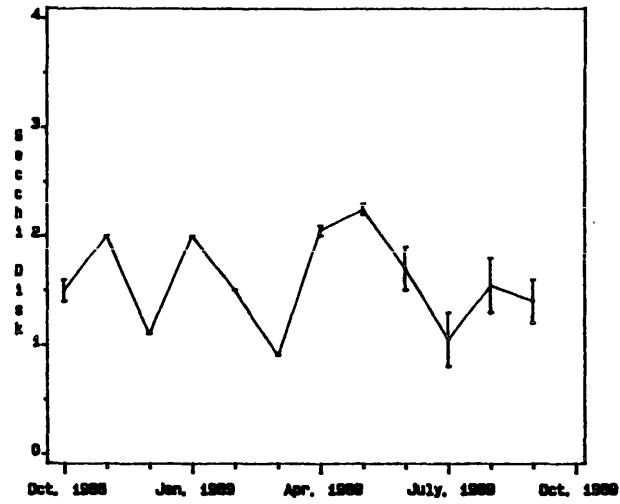
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Station Id-CE7.2



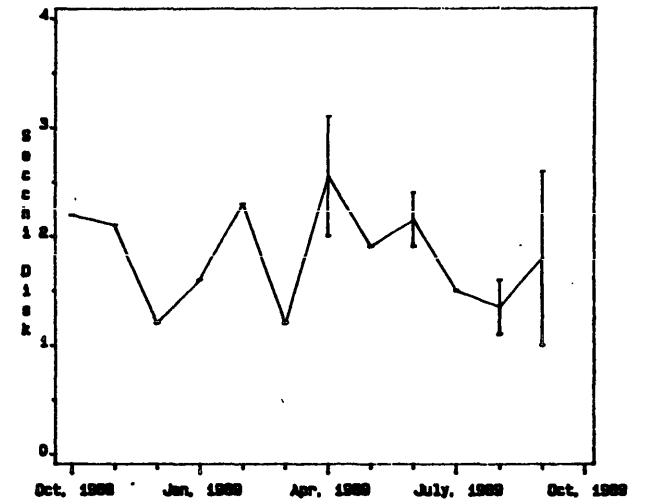
Month
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Station Id-CE7.2E



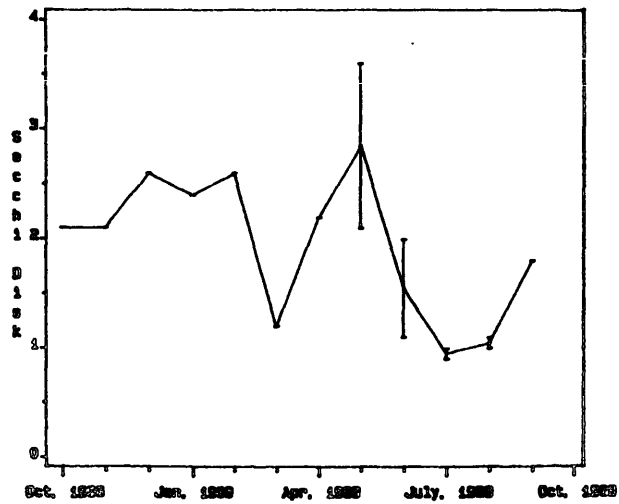
Month
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Station Id-CE7.2E



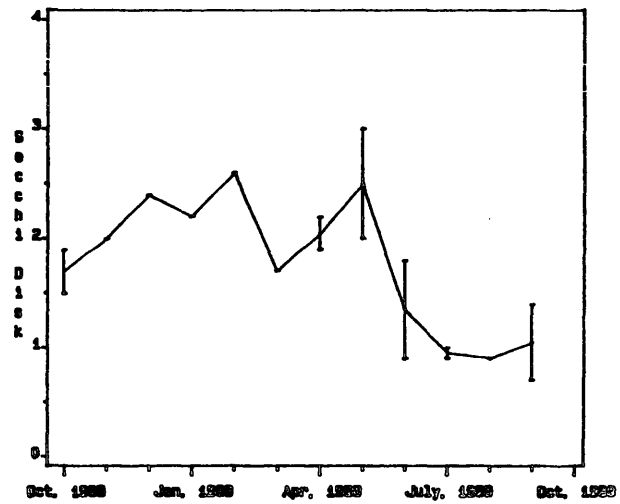
Month
LAYER — Surface

Station Id-LE3.6



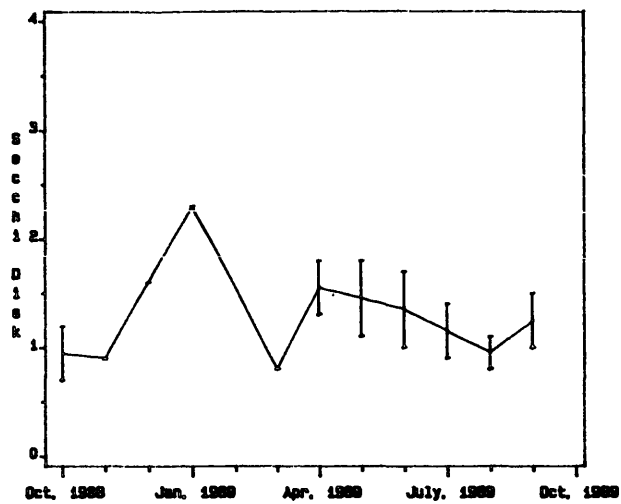
Month
LAYER — Surface

Station Id-LE3.7



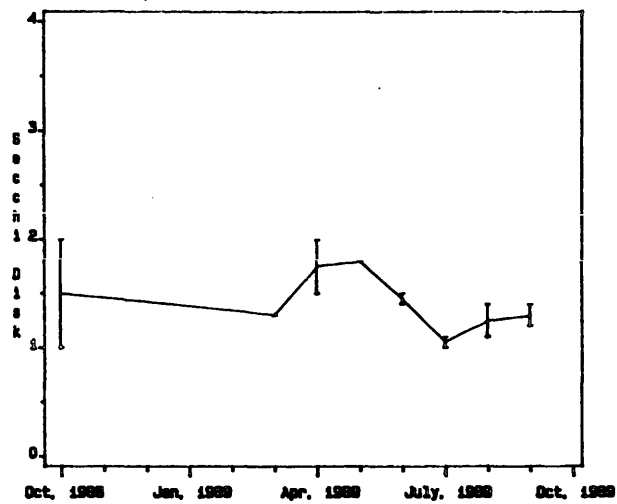
Month
LAYER — Surface

Station Id-NE4.1



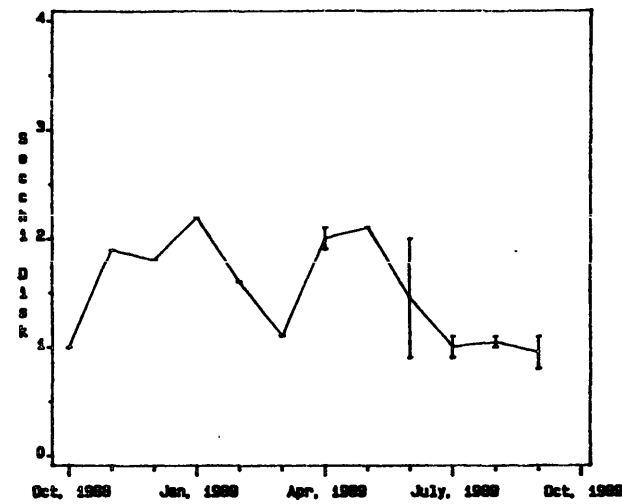
Month
LAYER — Surface

Station Id-NE4.2



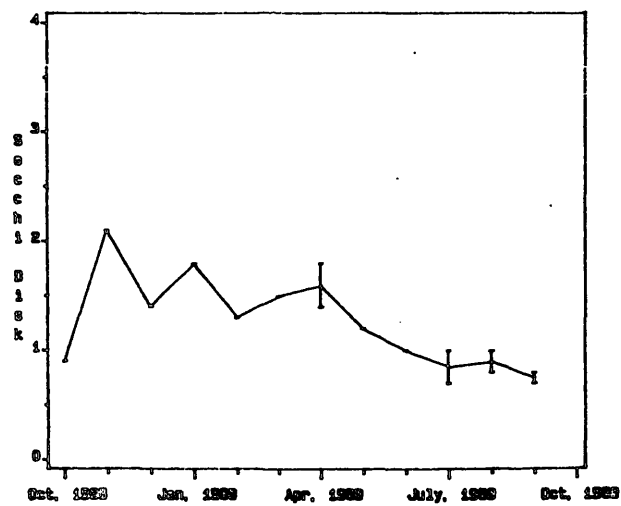
Month
LAYER — Surface

Station Id-NE4.3



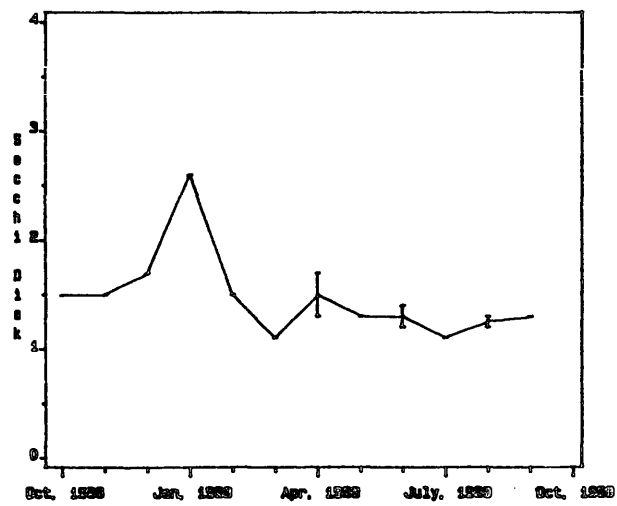
Month
LAYER — Surface

Station Id-NE4.4



Month
LAYER — Surface

Station Id-LE4.5



Month
LAYER — Surface

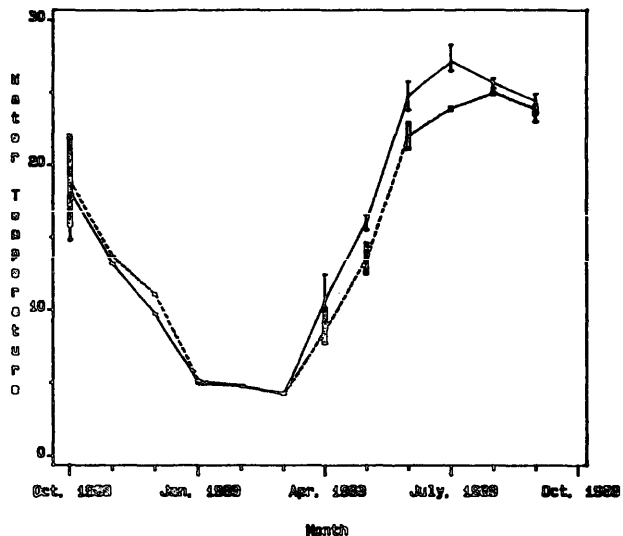
WATER TEMPERATURE

Values reported as degrees Centigrade.

Water Temperature
October, 1988 - September, 1989

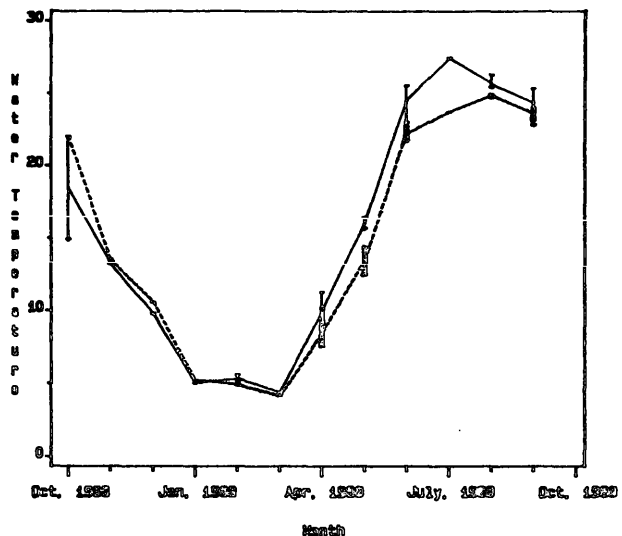
| | Water Temperature | | | | | |
|-------------|-------------------|-------|------|--------|-------|------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 28.24 | 17.50 | 4.13 | 25.01 | 16.50 | 4.19 |
| CB5.4..... | 27.47 | 16.94 | 4.31 | 24.98 | 16.14 | 4.11 |
| CB5.5..... | 29.05 | 17.68 | 3.18 | 24.90 | 16.56 | 3.16 |
| CB6.1..... | 28.42 | 17.59 | 3.44 | 25.23 | 16.63 | 3.54 |
| CB6.2..... | 28.73 | 17.32 | 3.27 | 25.60 | 16.40 | 3.50 |
| CB6.3..... | 28.91 | 18.14 | 4.74 | 25.57 | 17.23 | 4.98 |
| CB6.4..... | 27.91 | 17.71 | 4.21 | 25.36 | 16.58 | 3.95 |
| CB7.3..... | 28.13 | 17.54 | 4.23 | 24.91 | 15.44 | 3.82 |
| CB7.4..... | 26.23 | 15.81 | 3.83 | 23.87 | 14.37 | 3.87 |
| CB7.4N..... | 27.17 | 17.28 | 4.11 | 26.57 | 16.27 | 4.03 |
| CB8.1E..... | 26.74 | 17.74 | 4.48 | 23.78 | 15.01 | 3.69 |
| CB8.1..... | 26.38 | 17.36 | 4.17 | 25.93 | 15.63 | 4.09 |
| EE3.1..... | 28.38 | 18.15 | 4.15 | 27.88 | 17.59 | 4.14 |
| EE3.2..... | 28.06 | 17.89 | 4.63 | 27.60 | 17.08 | 4.19 |
| CB7.1N..... | 27.14 | 17.29 | 4.45 | 26.13 | 16.34 | 4.38 |
| CB7.1..... | 27.97 | 17.56 | 4.58 | 25.78 | 16.96 | 4.50 |
| CB7.1S..... | 28.47 | 17.91 | 4.65 | 25.32 | 17.00 | 4.96 |
| CB5.4W..... | 28.38 | 18.07 | 4.99 | 28.47 | 17.85 | 4.74 |
| CB7.2..... | 29.04 | 17.92 | 4.00 | 25.51 | 16.23 | 3.00 |
| CB7.2E..... | 28.82 | 18.09 | 4.00 | 25.60 | 16.54 | 3.50 |
| CB7.3E..... | 27.23 | 17.35 | 4.46 | 25.39 | 16.81 | 4.58 |
| LE3.6..... | 28.37 | 18.02 | 3.09 | 27.24 | 17.29 | 3.09 |
| LE3.7..... | 28.49 | 17.98 | 2.61 | 27.39 | 17.46 | 2.61 |
| WE4.1..... | 28.46 | 17.41 | 3.32 | 27.09 | 18.29 | 5.73 |
| WE4.2..... | 27.87 | 17.46 | 3.75 | 25.63 | 16.71 | 3.72 |
| WE4.3..... | 28.90 | 17.50 | 3.23 | 27.77 | 17.70 | 3.25 |
| WE4.4..... | 28.81 | 16.79 | 5.31 | 27.69 | 17.23 | 5.07 |
| LE5.5..... | 28.95 | 17.94 | 4.58 | 25.91 | 15.65 | 4.10 |

Station Id-CBS.3



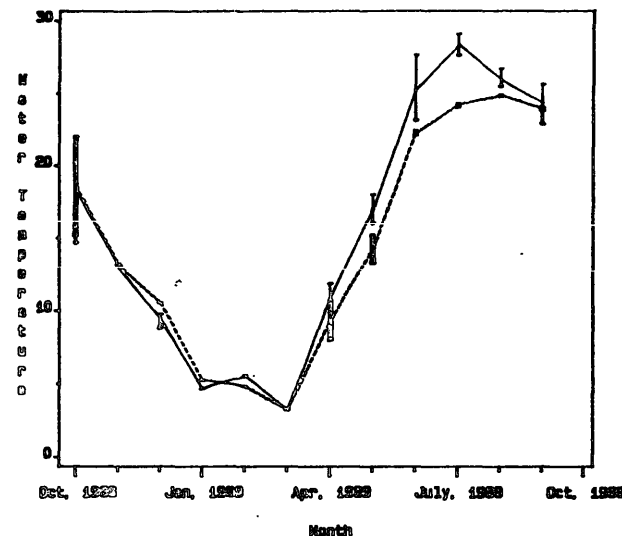
LAYER — Surface — Bottom

Station Id-CBS.4



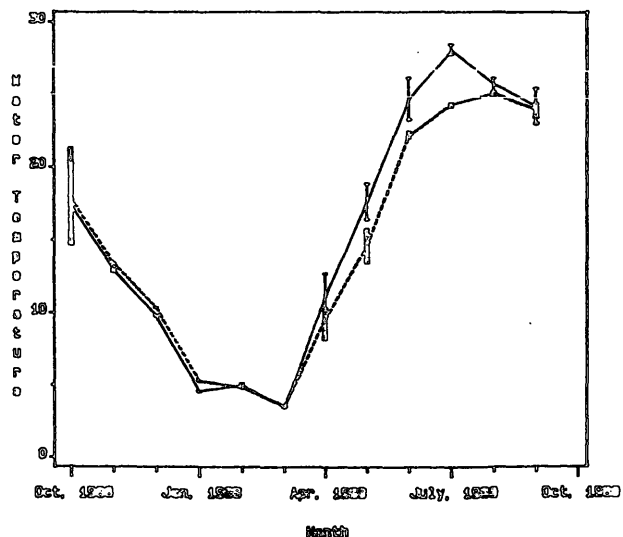
LAYER — Surface — Bottom

Station Id-CBS.5



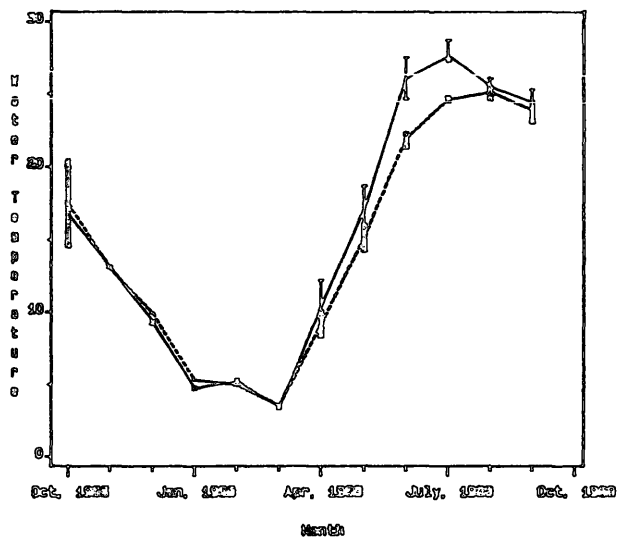
LAYER — Surface — Bottom

Station Id-CBS.1



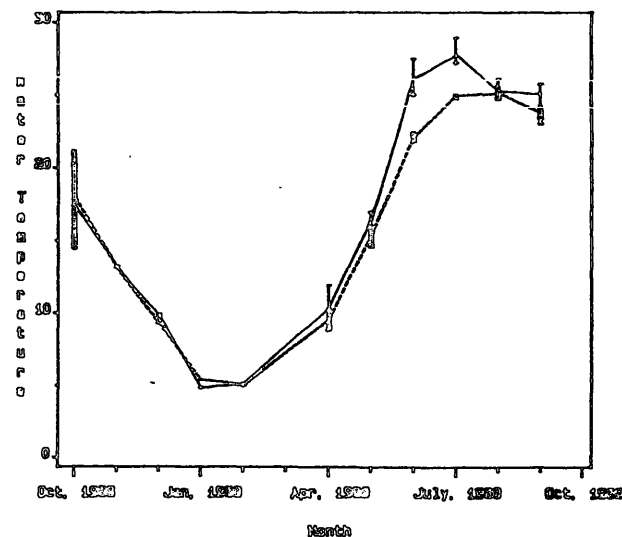
LAYER — Surface — Bottom

Station Id-CBS.2



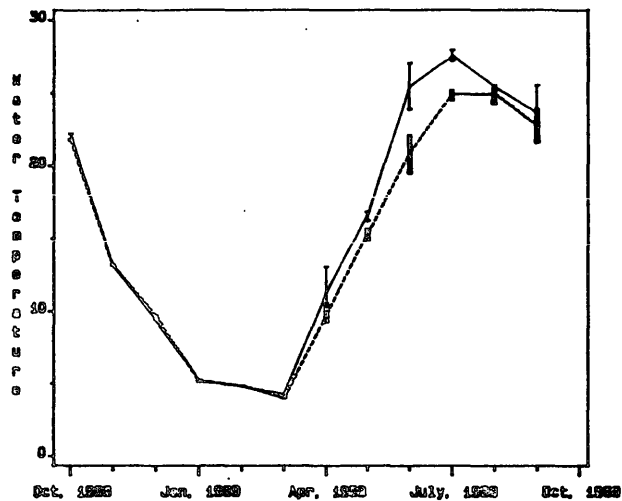
LAYER — Surface — Bottom

Station Id-CBS.3



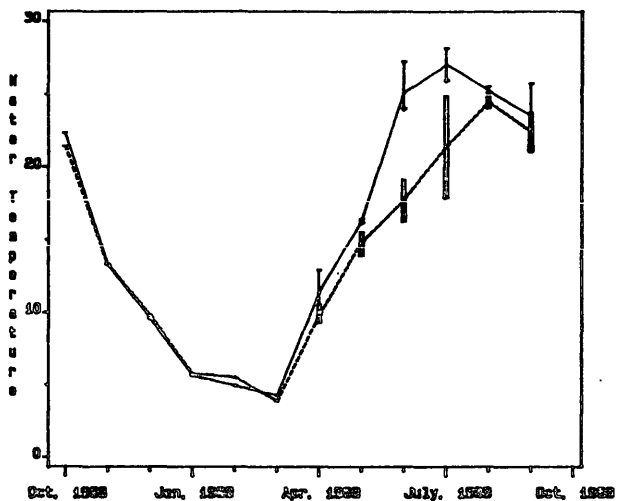
LAYER — Surface — Bottom

Station Id-C86.4



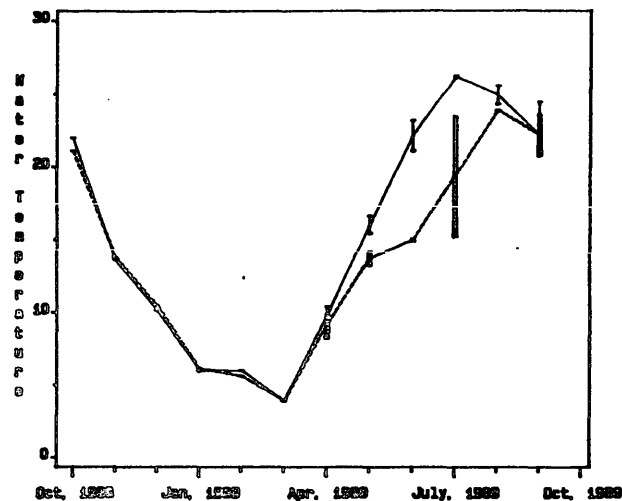
LAYER — Surface — Bottom

Station Id-C87.3



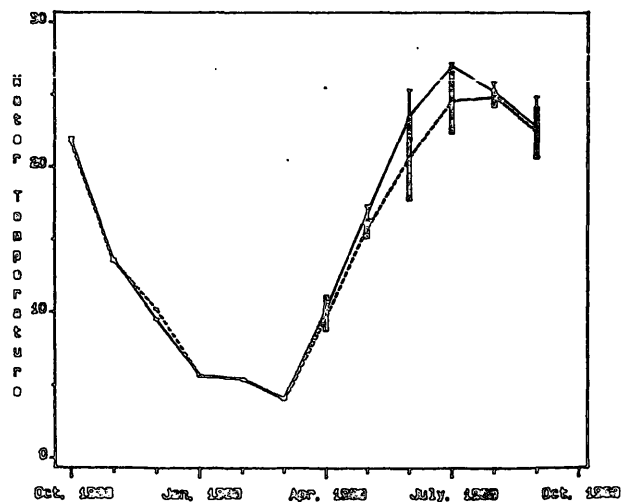
LAYER — Surface — Bottom

Station Id-C87.4



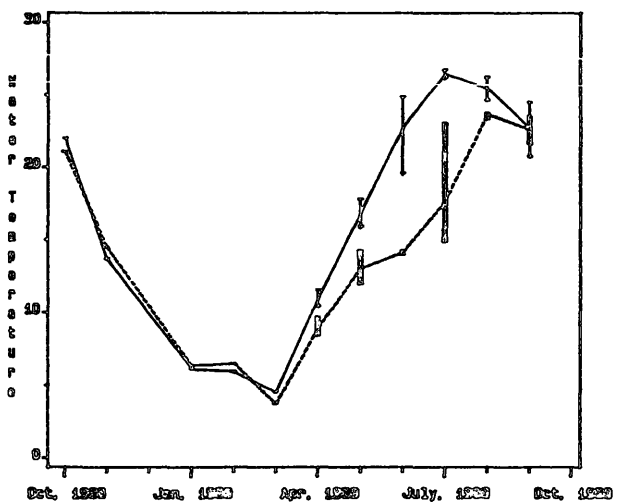
LAYER — Surface — Bottom

Station Id-C87.4i



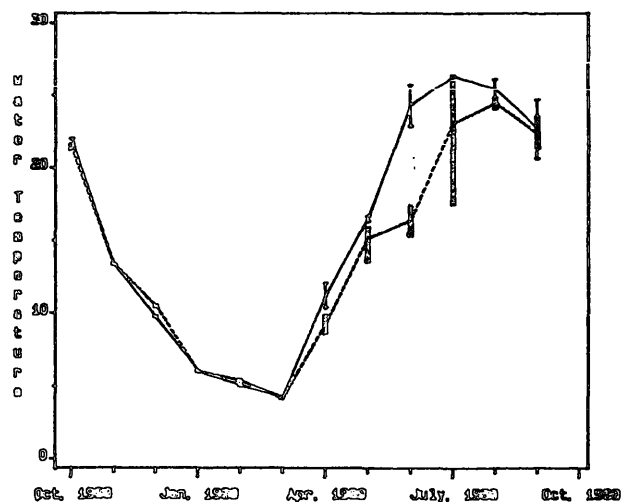
LAYER — Surface — Bottom

Station Id-C88.1E



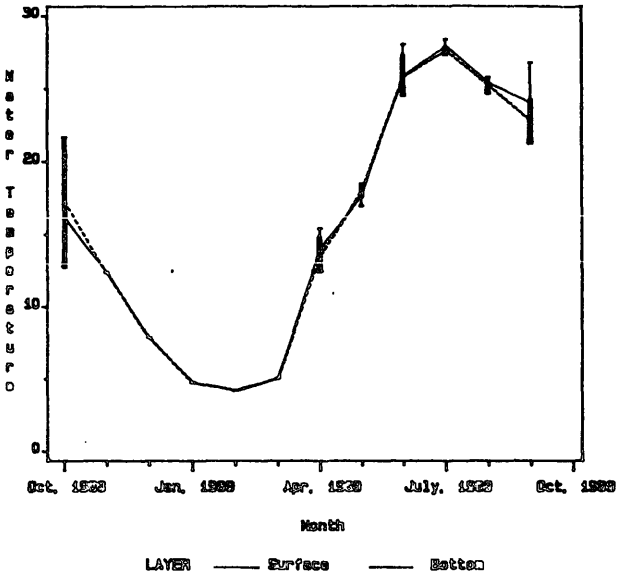
LAYER — Surface — Bottom

Station Id-C88.1

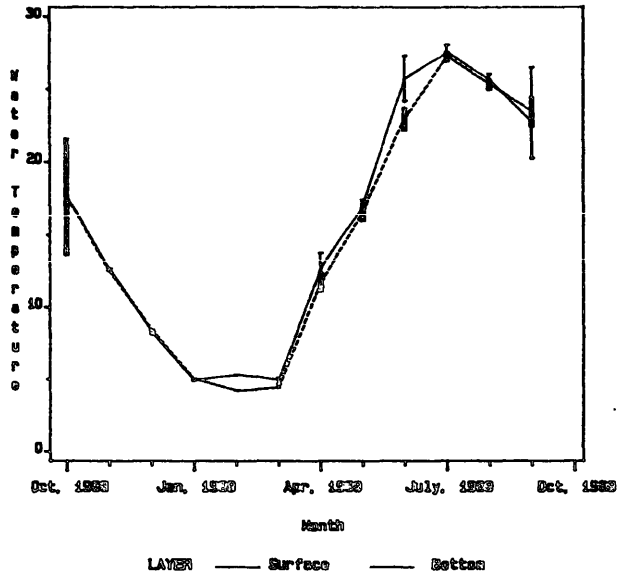


LAYER — Surface — Bottom

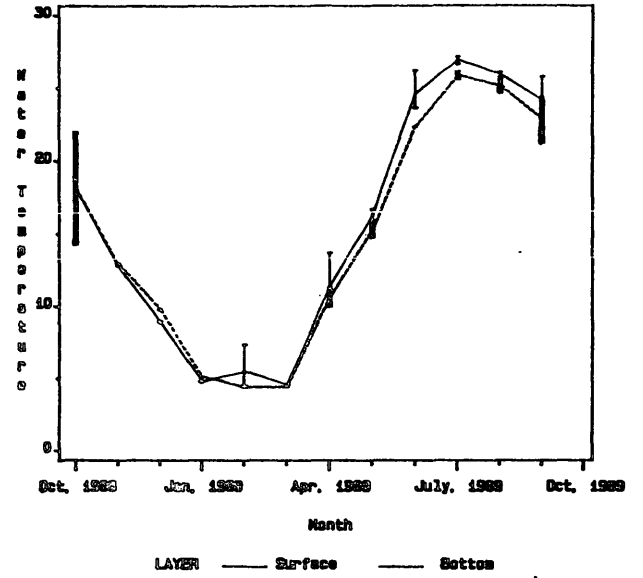
Station Id-CB3.1



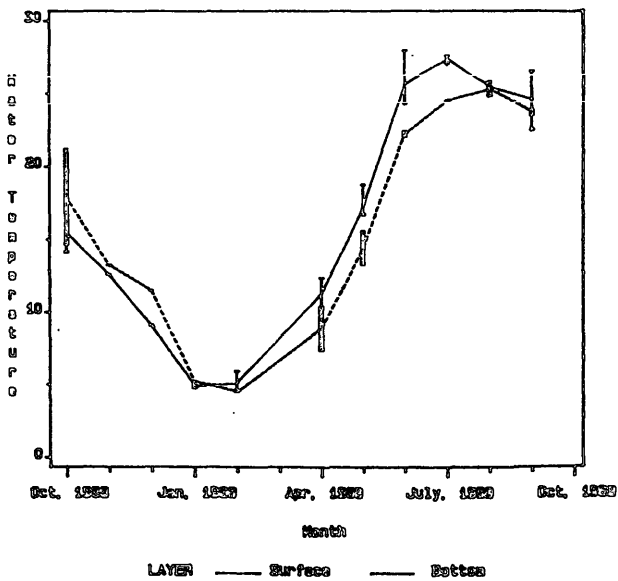
Station Id-CB3.2



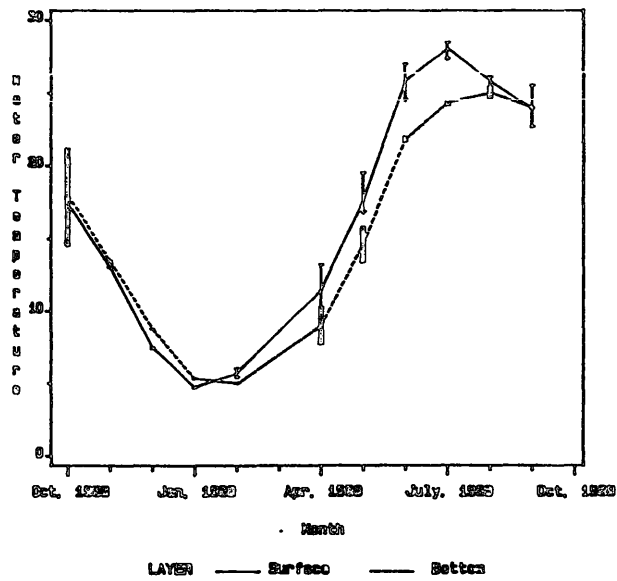
Station Id-CB7.1N



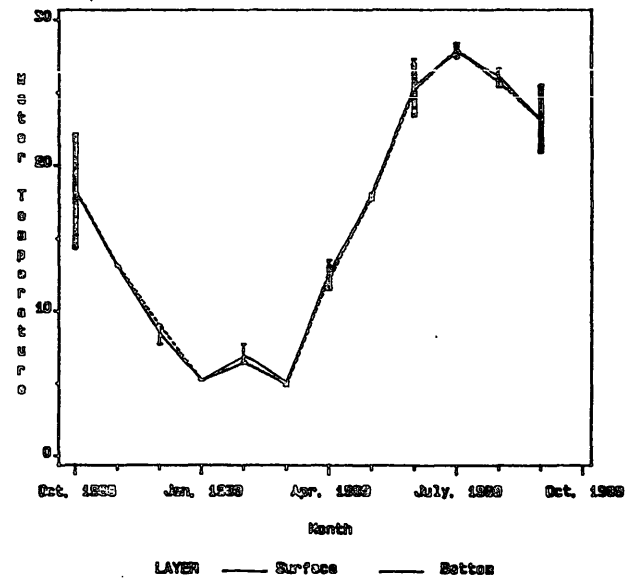
Station Id-CB7.1



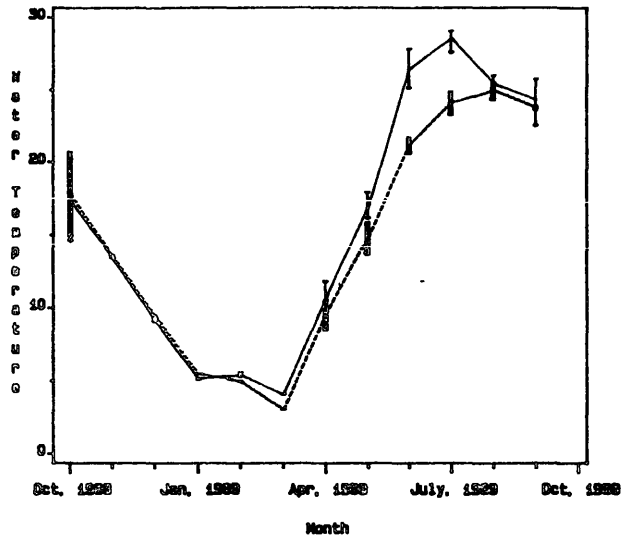
Station Id-CB7.1S



Station Id-CB5.01

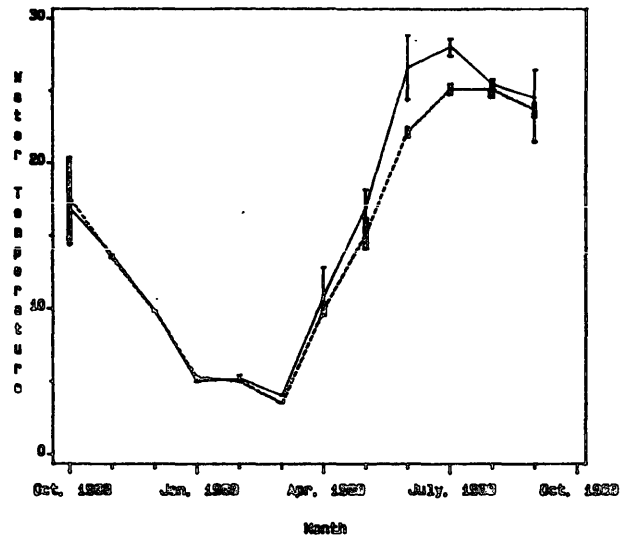


Station Id-C87.2



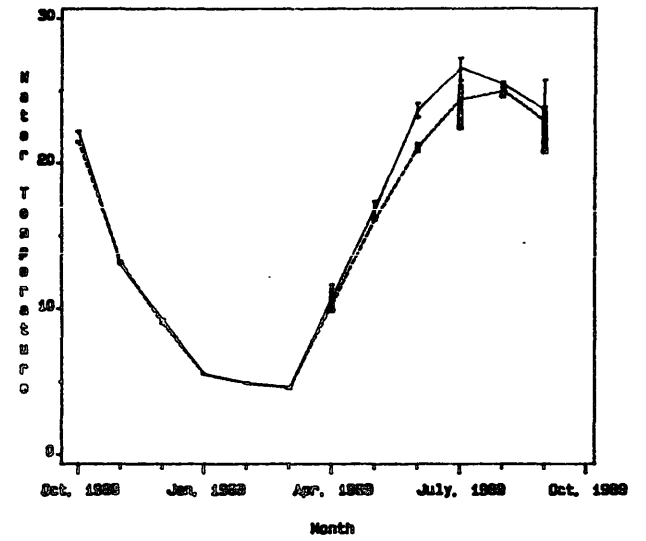
LAYER — Surface — Bottom

Station Id-C87.2E



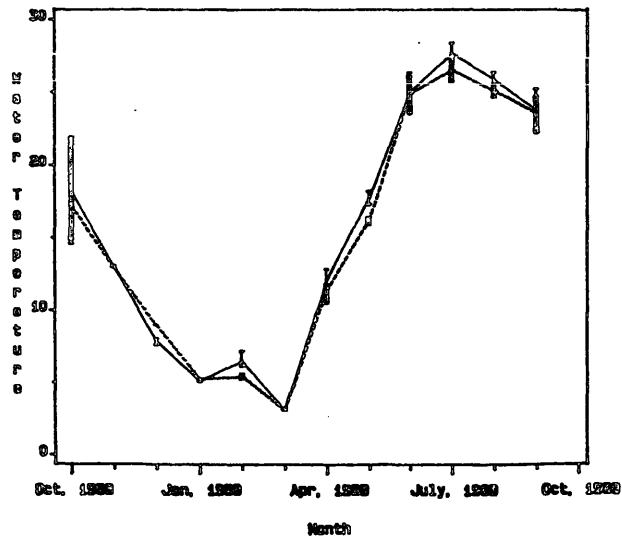
LAYER — Surface — Bottom

Station Id-C87.2E



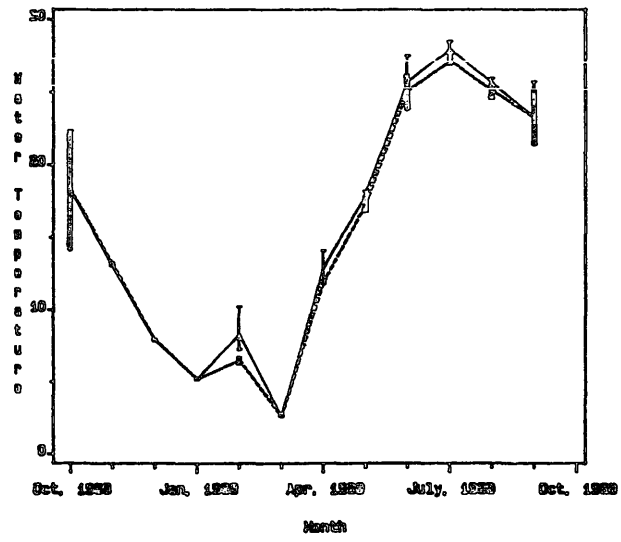
LAYER — Surface — Bottom

Station Id-L29.6



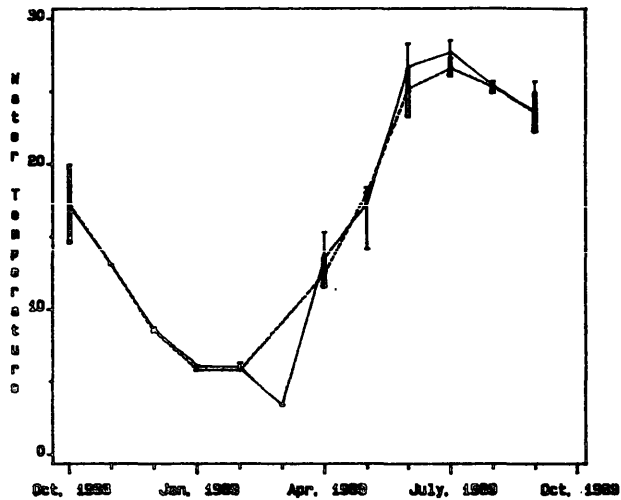
LAYER — Surface — Bottom

Station Id-L29.7



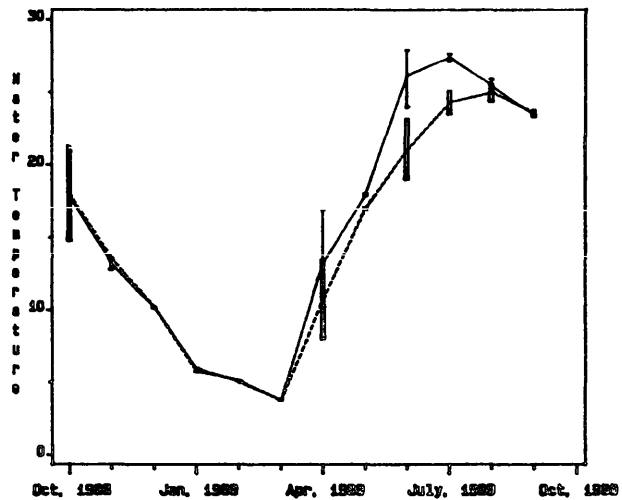
LAYER — Surface — Bottom

Station Id-NE4.1



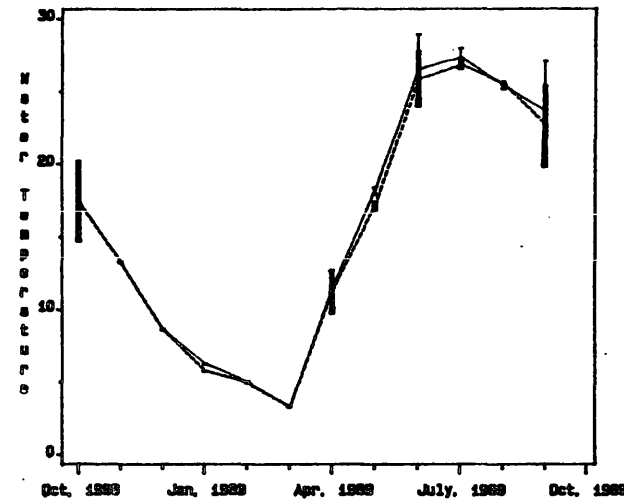
Month
LAYER — Surface — Bottom

Station Id-NE4.2



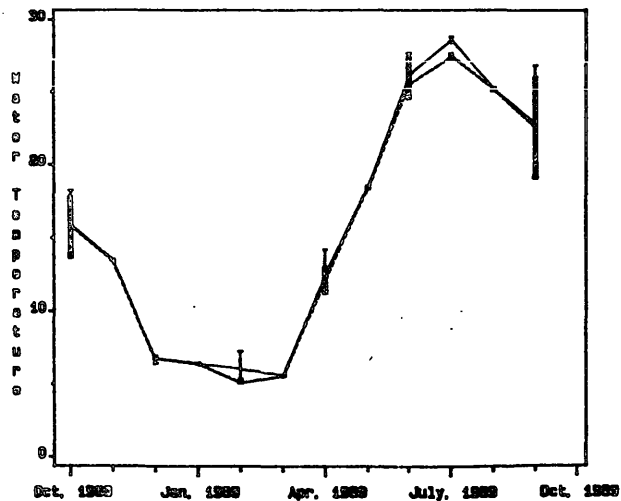
Month
LAYER — Surface — Bottom

Station Id-NE4.3



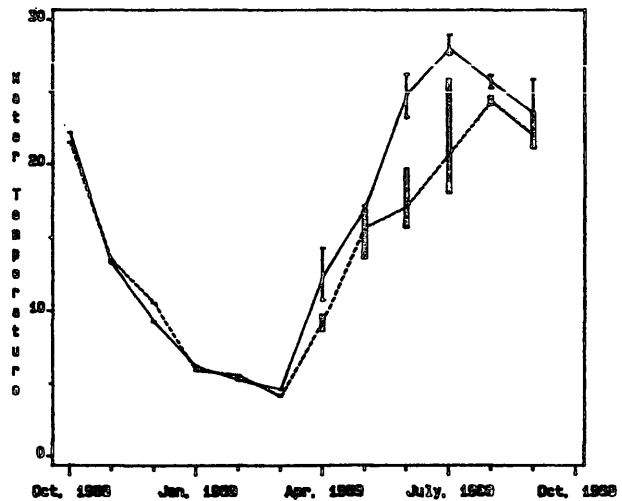
Month
LAYER — Surface — Bottom

Station Id-NE4.4



Month
LAYER — Surface — Bottom

Station Id-LE8.8



Month
LAYER — Surface — Bottom

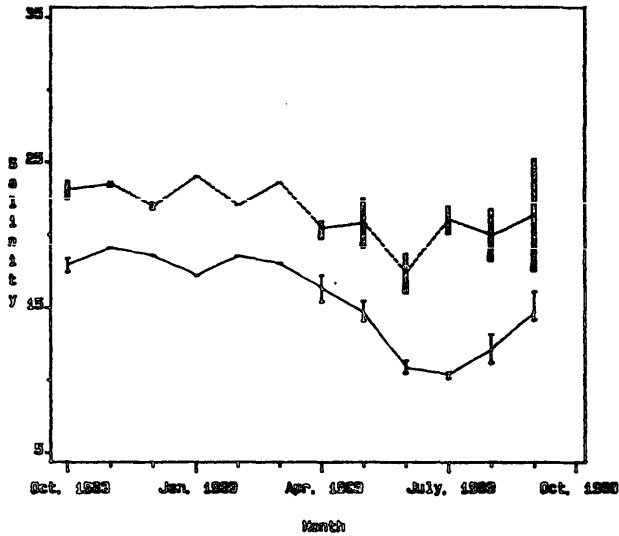
SALINITY

Salinity is calculated using UNESCO 83 EOS
and is reported as practical salinity (PS).

Salinity
October, 1988 - September, 1989

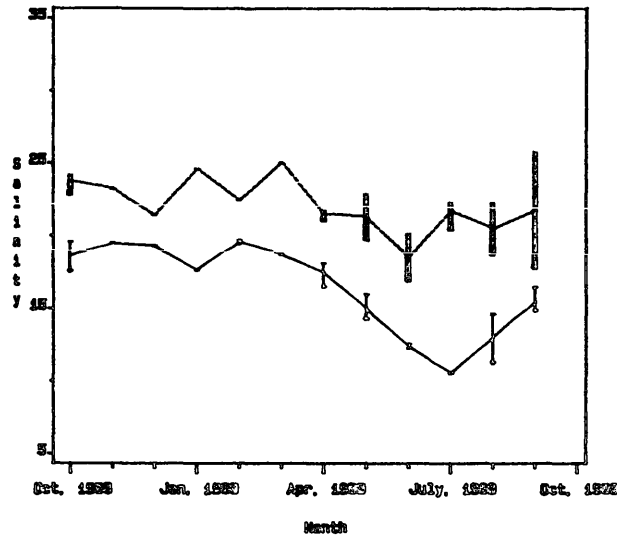
| | Salinity | | | | | |
|-------------|----------|-------|-------|--------|-------|-------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 19.12 | 14.95 | 10.06 | 25.23 | 21.24 | 15.94 |
| CB5.4..... | 19.72 | 16.08 | 10.52 | 25.78 | 21.76 | 16.90 |
| CB5.5..... | 21.12 | 16.56 | 11.54 | 25.99 | 21.40 | 18.43 |
| CB6.1..... | 23.95 | 17.12 | 11.39 | 24.73 | 21.25 | 18.19 |
| CB6.2..... | 22.18 | 17.97 | 12.88 | 24.62 | 21.62 | 18.25 |
| CB6.3..... | 23.72 | 18.13 | 13.35 | 25.52 | 22.05 | 19.00 |
| CB6.4..... | 25.50 | 19.69 | 14.40 | 27.30 | 23.79 | 19.50 |
| CB7.3..... | 26.30 | 22.25 | 14.60 | 31.70 | 27.83 | 24.30 |
| CB7.4..... | 31.50 | 26.36 | 21.10 | 32.50 | 30.34 | 28.00 |
| CB7.4N..... | 31.30 | 26.50 | 20.70 | 32.10 | 29.08 | 24.70 |
| CB8.1E..... | 28.50 | 23.03 | 18.80 | 32.50 | 30.58 | 28.60 |
| CB8.1..... | 27.60 | 21.34 | 16.60 | 31.40 | 26.81 | 20.30 |
| EE3.1..... | 20.91 | 16.15 | 8.34 | 20.91 | 16.49 | 8.34 |
| EE3.2..... | 21.31 | 18.14 | 14.11 | 22.73 | 19.42 | 15.13 |
| CB7.1N..... | 21.60 | 17.58 | 14.01 | 23.56 | 19.51 | 15.41 |
| CB7.1..... | 22.05 | 18.09 | 13.97 | 26.52 | 21.82 | 16.20 |
| CB7.1S..... | 22.31 | 17.93 | 12.03 | 26.91 | 22.84 | 19.12 |
| CB5.4W..... | 19.61 | 15.60 | 11.17 | 20.02 | 15.91 | 11.27 |
| CB7.2..... | 26.52 | 18.84 | 13.48 | 30.38 | 25.07 | 21.34 |
| CB7.2E..... | 26.50 | 19.63 | 13.54 | 26.87 | 23.05 | 20.69 |
| CB7.3E..... | 27.00 | 22.18 | 16.50 | 31.60 | 26.04 | 22.50 |
| LE3.6..... | 19.91 | 16.37 | 11.74 | 20.95 | 17.35 | 12.26 |
| LE3.7..... | 20.48 | 16.70 | 12.62 | 21.83 | 17.17 | 12.99 |
| WE4.1..... | 23.31 | 20.14 | 14.87 | 23.42 | 20.14 | 15.98 |
| WE4.2..... | 24.07 | 19.46 | 15.04 | 27.88 | 23.03 | 19.30 |
| WE4.3..... | 23.40 | 20.03 | 14.71 | 23.60 | 20.14 | 15.25 |
| WE4.4..... | 23.09 | 19.96 | 15.39 | 23.25 | 19.98 | 15.39 |
| LE5.5..... | 24.60 | 19.44 | 14.30 | 31.20 | 26.18 | 19.20 |

Station Id-C88.3



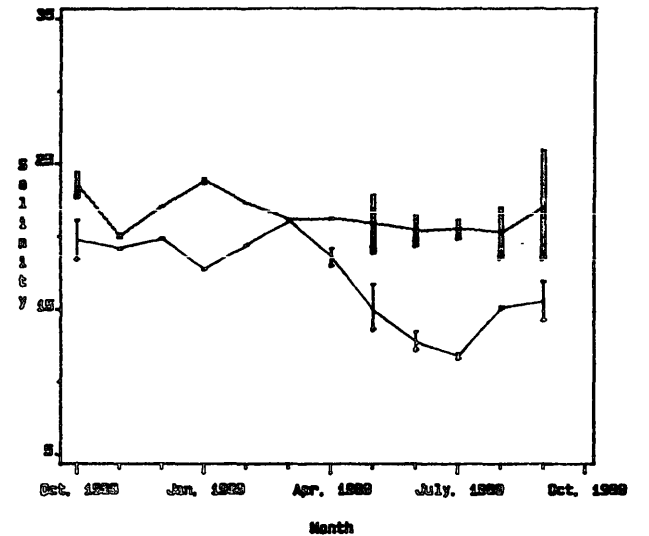
LAYER — Surface — Bottom

Station Id-C88.4



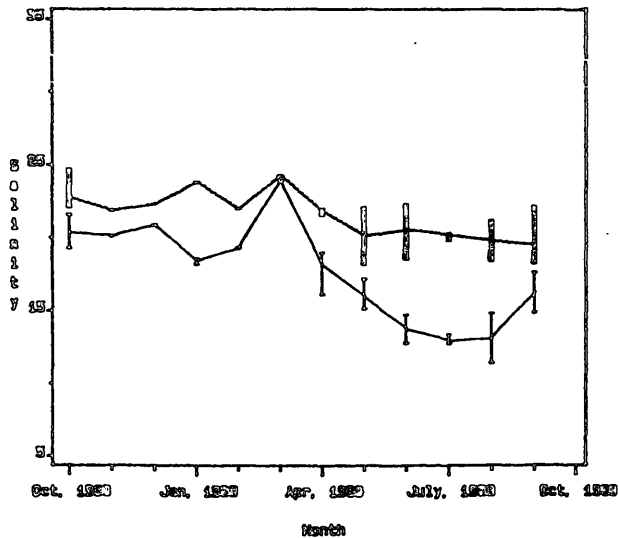
LAYER — Surface — Bottom

Station Id-C88.5



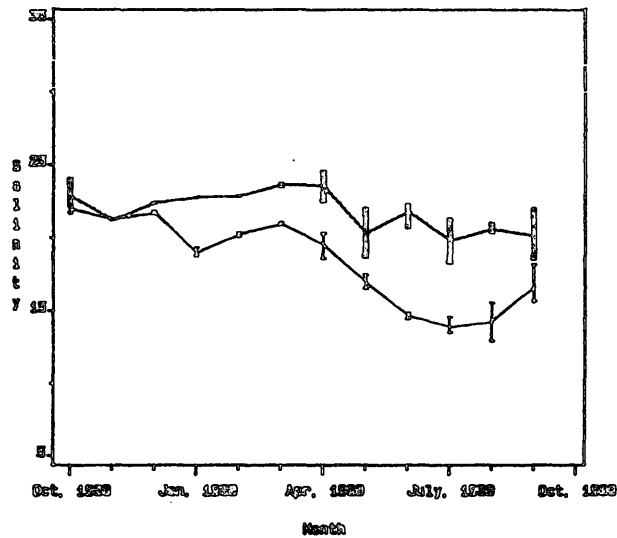
LAYER — Surface — Bottom

Station Id-C88.1



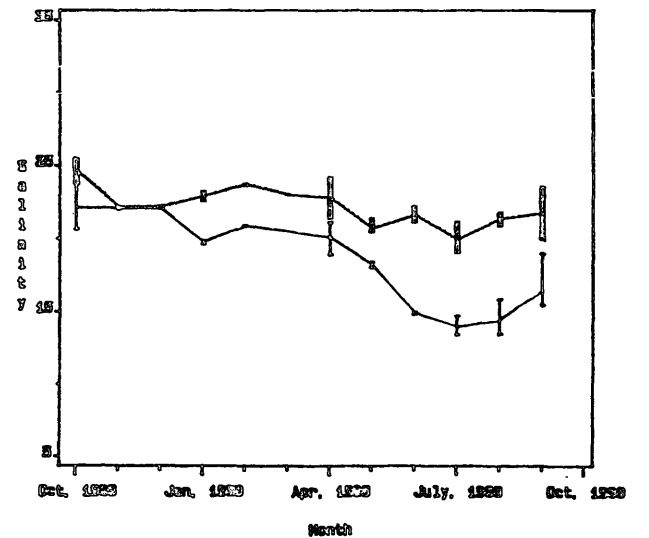
LAYER — Surface — Bottom

Station Id-C88.2



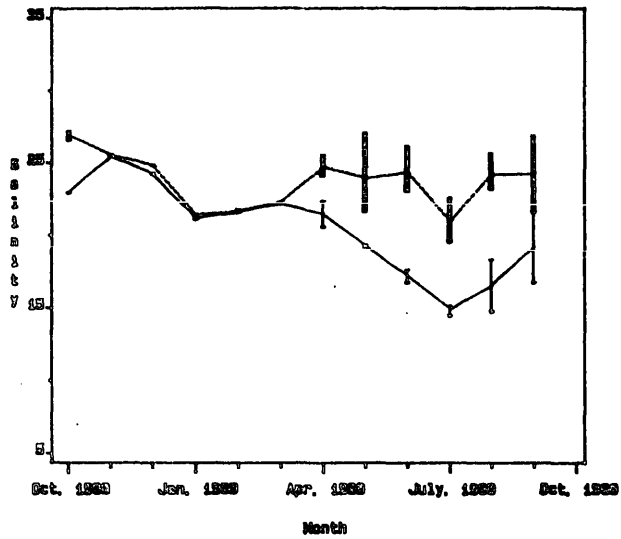
LAYER — Surface — Bottom

Station Id-C88.3



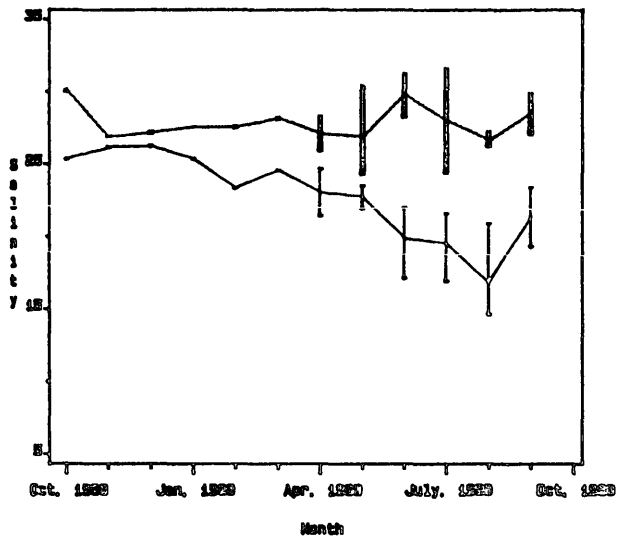
LAYER — Surface — Bottom

Station Id-C86.4



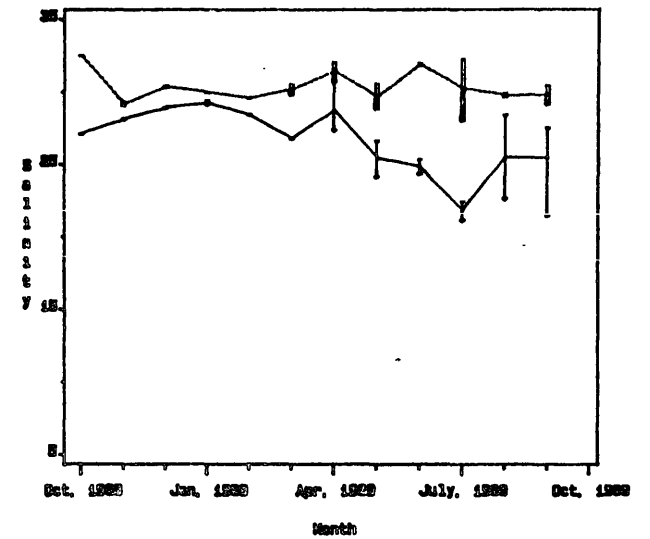
LAYER — Surface — Bottom

Station Id-C87.3



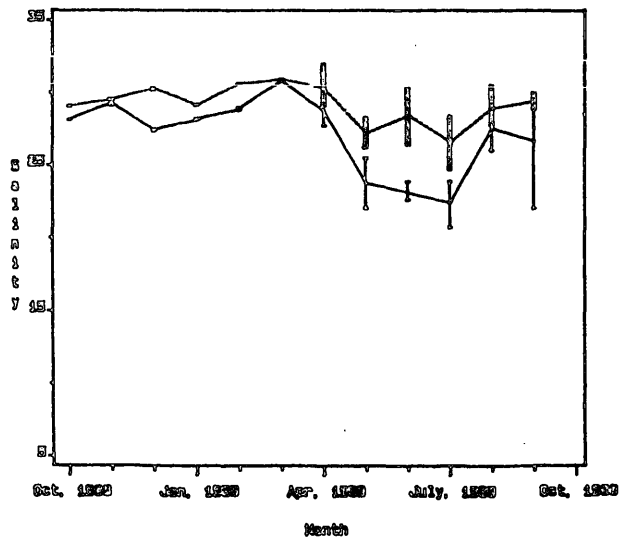
LAYER — Surface — Bottom

Station Id-C87.4



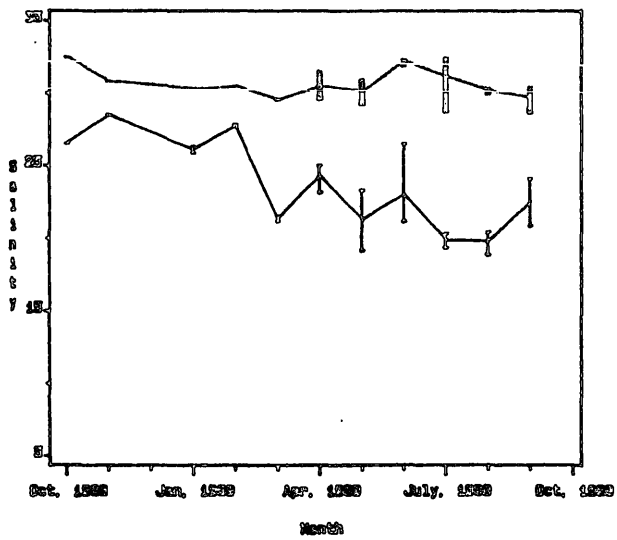
LAYER — Surface — Bottom

Station Id-C87.4H



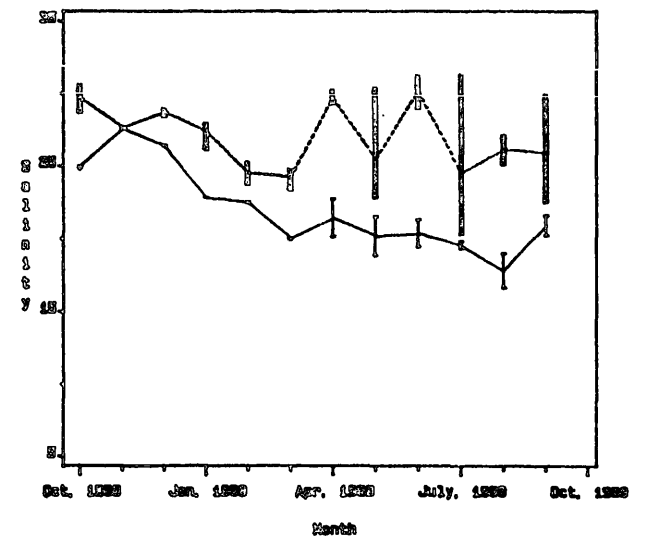
LAYER — Surface — Bottom

Station Id-C89.1E



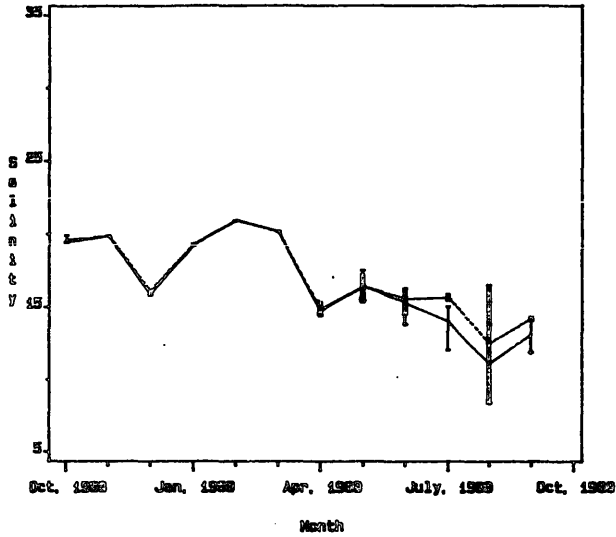
LAYER — Surface — Bottom

Station Id-C98.1



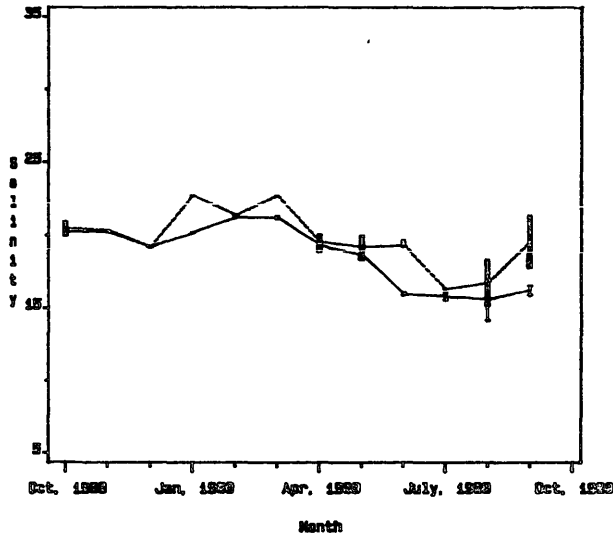
LAYER — Surface — Bottom

Station Id-CB3.1



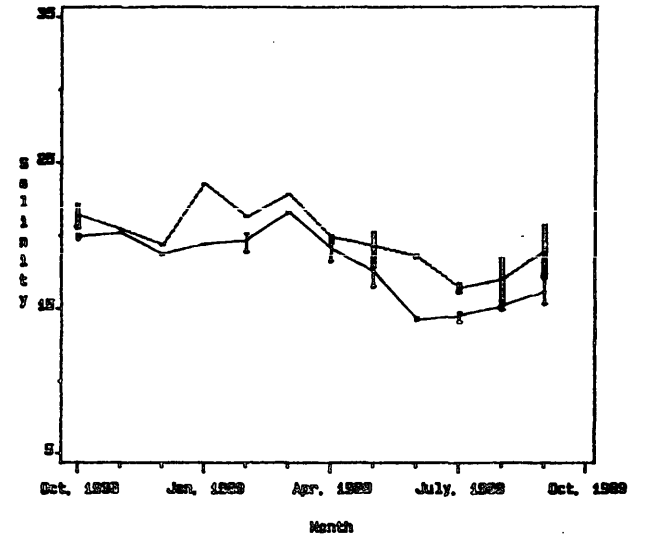
LAYER — Surface — Bottom

Station Id-CB3.2



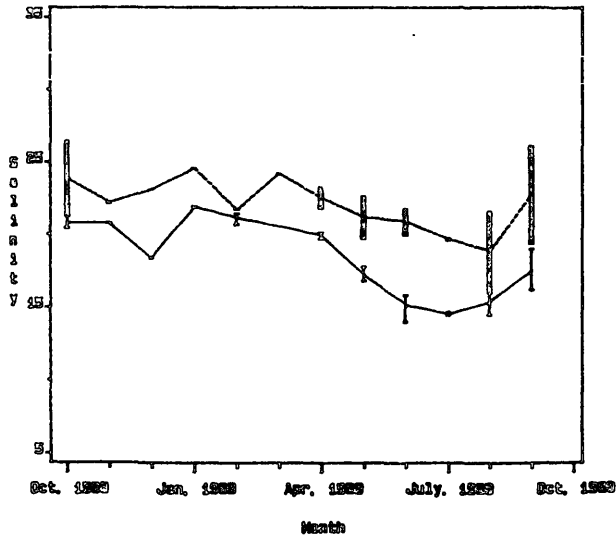
LAYER — Surface — Bottom

Station Id-CB7.1M



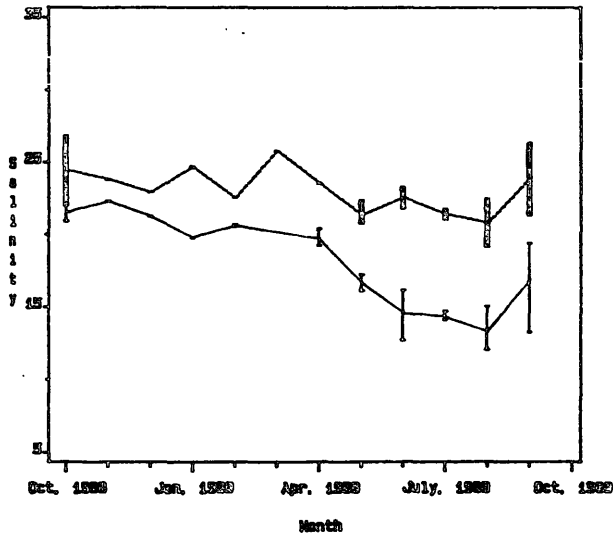
LAYER — Surface — Bottom

Station Id-CB7.3



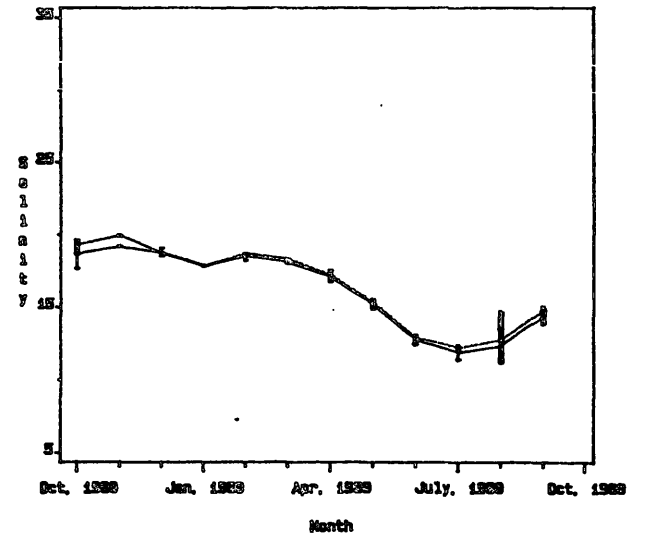
LAYER — Surface — Bottom

Station Id-CB7.1S



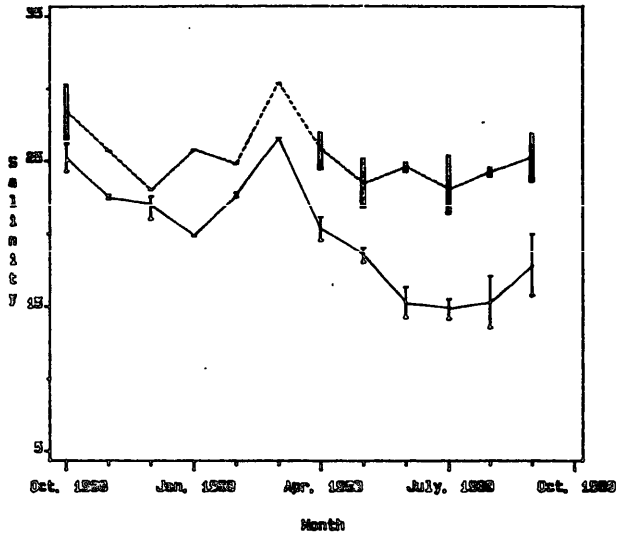
LAYER — Surface — Bottom

Station Id-CB5.4M

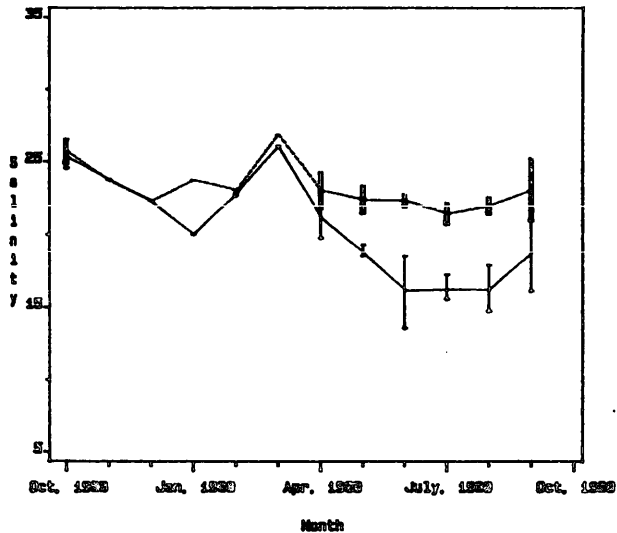


LAYER — Surface — Bottom

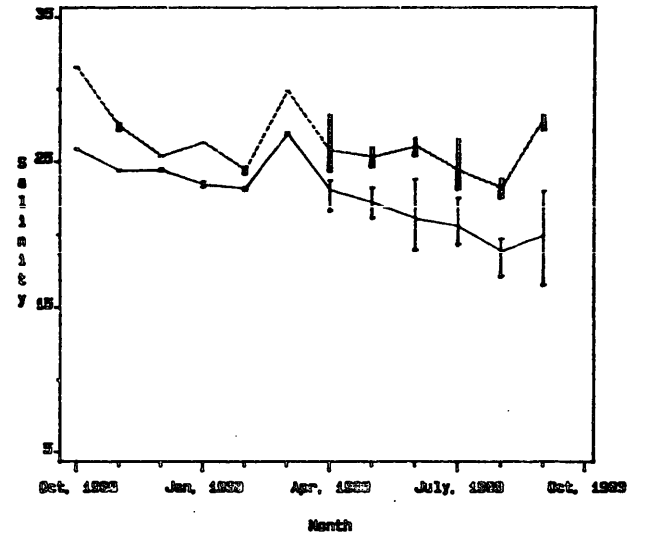
Station Id-CB7.2



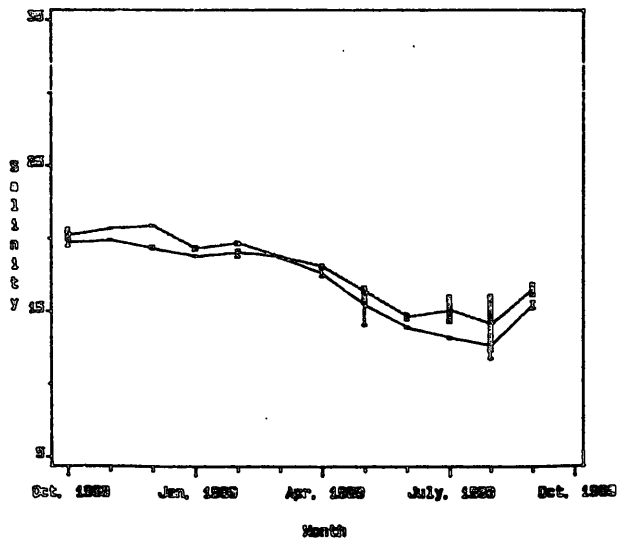
Station Id-CB7.2E



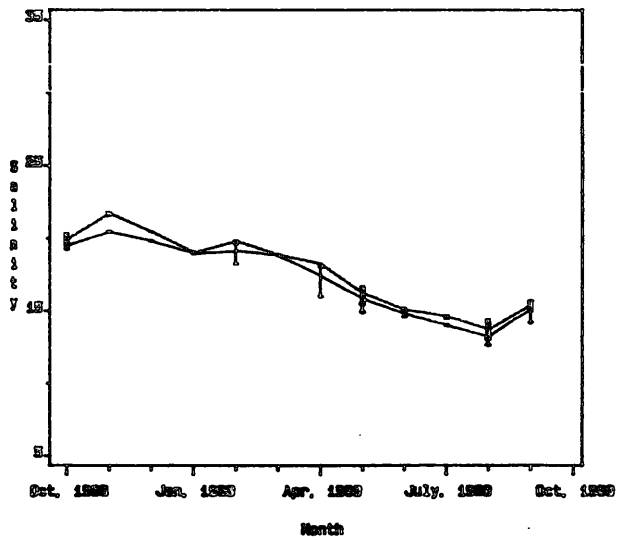
Station Id-CB7.3E



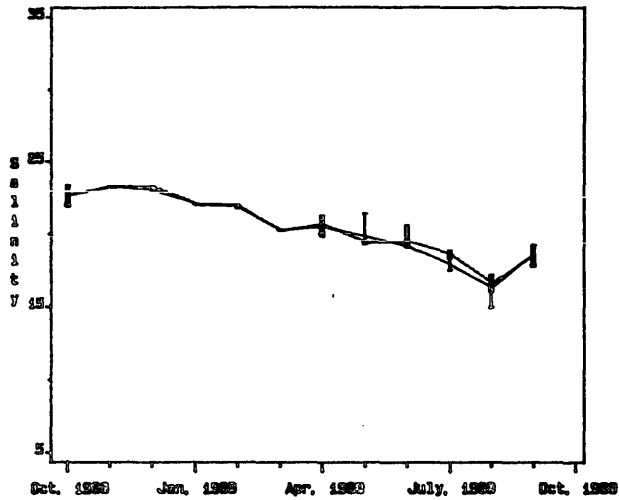
Station Id-LES.6



Station Id-LES.7



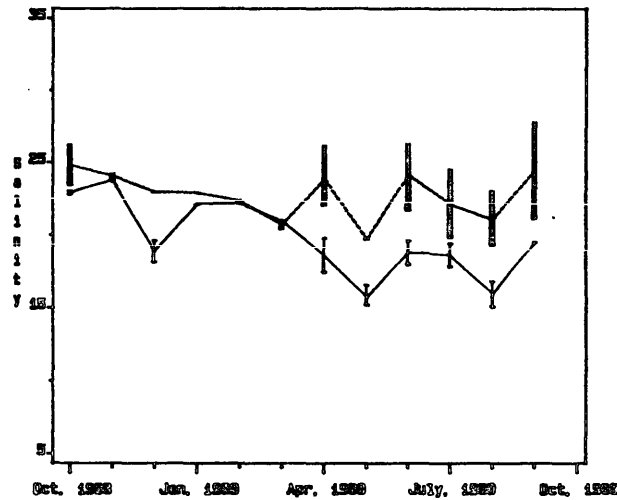
Station Id-NE4.1



Month

LAYER — Surface — Bottom

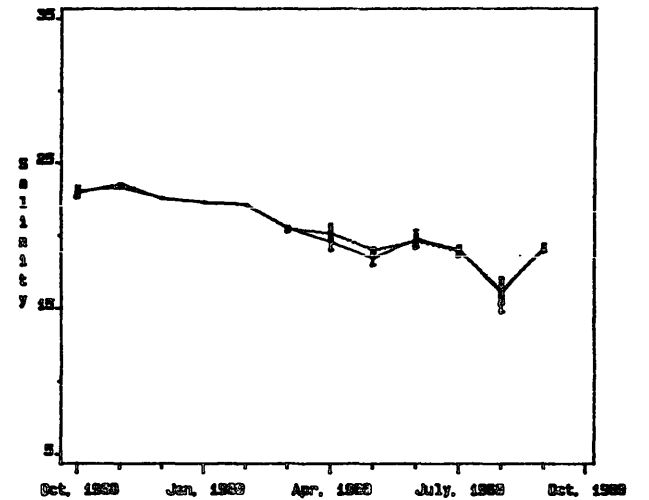
Station Id-NE4.2



Month

LAYER — Surface — Bottom

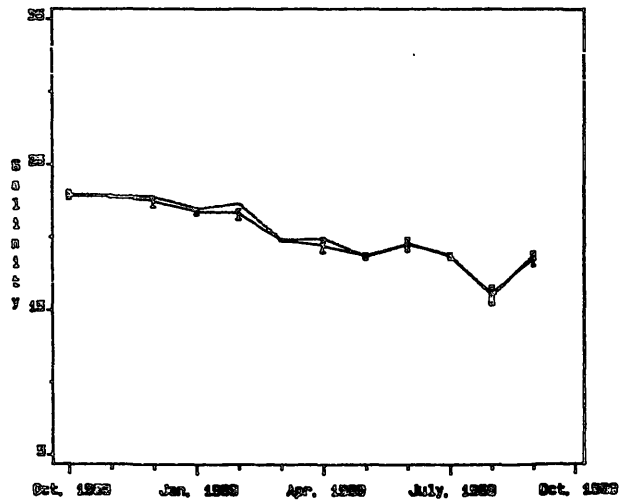
Station Id-NE4.3



Month

LAYER — Surface — Bottom

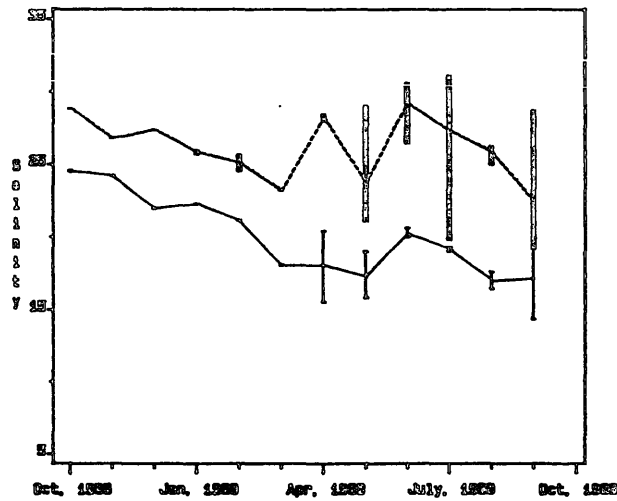
Station Id-NE4.4



Month

LAYER — Surface — Bottom

Station Id-LE5.5



Month

LAYER — Surface — Bottom

DISSOLVED OXYGEN

Values reported as mg/l.

Dissolved Oxygen
October, 1988 - September, 1989

| | Dissolved Oxygen | | | | | |
|-------------|------------------|------|------|--------|------|------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 11.88 | 9.13 | 6.67 | 10.14 | 5.33 | 0.36 |
| CB5.4..... | 12.40 | 9.17 | 6.88 | 9.93 | 5.44 | 0.63 |
| CB5.5..... | 11.75 | 9.38 | 6.04 | 12.86 | 5.55 | 0.63 |
| CB6.1..... | 11.68 | 9.36 | 5.52 | 13.67 | 6.32 | 1.07 |
| CB6.2..... | 11.93 | 9.36 | 6.18 | 11.47 | 6.52 | 1.51 |
| CB6.3..... | 12.21 | 9.23 | 5.88 | 12.51 | 6.66 | 2.12 |
| CB6.4..... | 11.49 | 8.96 | 6.37 | 11.15 | 6.38 | 1.82 |
| CB7.3..... | 11.09 | 8.79 | 5.66 | 10.59 | 7.48 | 4.07 |
| CB7.4..... | 10.94 | 8.39 | 6.15 | 10.42 | 7.50 | 3.21 |
| CB7.4N..... | 10.57 | 8.24 | 6.53 | 10.34 | 7.89 | 6.04 |
| CB8.1E..... | 11.38 | 8.37 | 6.02 | 10.46 | 7.14 | 2.39 |
| CB8.1..... | 11.78 | 8.37 | 5.58 | 11.02 | 7.17 | 3.38 |
| EE3.1..... | 11.64 | 8.47 | 3.99 | 11.54 | 7.99 | 3.27 |
| EE3.2..... | 11.12 | 8.54 | 6.77 | 10.96 | 6.87 | 1.98 |
| CB7.1N..... | 11.70 | 8.56 | 5.98 | 10.36 | 6.92 | 1.30 |
| CB7.1..... | 12.33 | 9.16 | 6.74 | 14.33 | 6.74 | 1.56 |
| CB7.1S..... | 12.39 | 9.35 | 6.72 | 13.99 | 6.65 | 1.78 |
| CB5.4W..... | 12.10 | 8.91 | 6.66 | 12.00 | 8.35 | 5.05 |
| CB7.2..... | 12.67 | 9.26 | 6.07 | 13.07 | 6.95 | 3.08 |
| CB7.2E..... | 12.26 | 9.00 | 6.03 | 12.36 | 6.89 | 2.21 |
| CB7.3E..... | 11.14 | 8.41 | 5.34 | 10.58 | 7.04 | 3.67 |
| LE3.6..... | 11.93 | 9.02 | 6.14 | 13.85 | 8.02 | 1.73 |
| LE3.7..... | 11.83 | 8.86 | 6.25 | 13.12 | 7.68 | 2.30 |
| WE4.1..... | 11.29 | 8.28 | 5.26 | 12.80 | 7.84 | 4.13 |
| WE4.2..... | 11.11 | 8.37 | 5.95 | 12.40 | 6.35 | 1.36 |
| WE4.3..... | 11.62 | 8.56 | 6.49 | 13.20 | 8.18 | 5.64 |
| WE4.4..... | 11.91 | 8.24 | 5.71 | 11.72 | 8.10 | 5.62 |
| LE5.5..... | 12.52 | 9.10 | 6.47 | 10.66 | 7.04 | 3.25 |

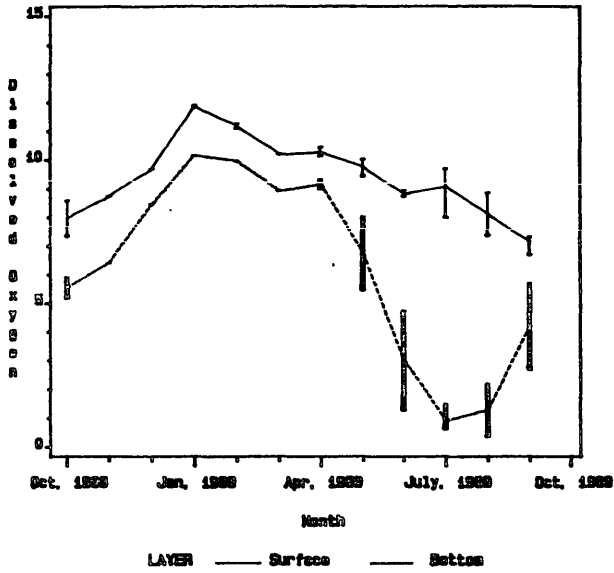
Dissolved Oxygen¹
October, 1988 - September, 1989

| | CB7.4N | CB7.4 | CB8.1E | CB8.1 | CB7.3 | CB7.3E | CB6.4 | CB6.3 | CB7.2 | CB7.2E | CB6.2 | CB6.1 | CB5.5 | CB5.4 | CB5.3 |
|----------------|--------|-------|--------|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| Oct, 1988 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.62 | 0.00 | 5.41 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.25 | 0.00 | 0.00 |
| Total Obs..... | 12 | 12 | 16 | 8 | 13 | 20 | 9 | 23 | 38 | 27 | 21 | 25 | 32 | 47 | 37 |
| Nov, 1988 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 13 | 14 | 17 | 10 | 13 | 17 | 10 | 12 | 18 | 12 | 10 | 12 | 16 | 21 | 19 |
| Dec, 1988 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | * | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | * | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 11 | 13 | 0 | 9 | 12 | 17 | 10 | 11 | 19 | 13 | 10 | 12 | 17 | 23 | 19 |
| Jan, 1989 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 11 | 14 | 16 | 9 | 14 | 16 | 10 | 11 | 19 | 12 | 10 | 12 | 16 | 25 | 18 |
| Feb, 1989 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 15 | 13 | 16 | 9 | 13 | 16 | 10 | 12 | 18 | 12 | 10 | 12 | 16 | 24 | 18 |
| Mar, 1989 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 11 | 14 | 16 | 9 | 11 | 18 | 10 | 13 | 19 | 13 | 10 | 10 | 16 | 24 | 19 |
| Apr, 1989 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 25 | 25 | 35 | 20 | 26 | 32 | 20 | 22 | 29 | 25 | 21 | 24 | 35 | 48 | 37 |
| May, 1989 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 21 | 25 | 34 | 18 | 29 | 33 | 18 | 22 | 37 | 25 | 20 | 25 | 33 | 49 | 38 |
| Jun, 1989 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52.63 | 43.48 | 24.32 | 28.00 | 25.00 | 20.83 | 36.11 | 40.43 | 35.14 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.05 | 26.09 | 0.00 | 12.00 | 25.00 | 16.67 | 27.78 | 31.91 | 27.03 |
| Total Obs..... | 20 | 23 | 33 | 17 | 28 | 35 | 19 | 23 | 37 | 25 | 20 | 24 | 36 | 47 | 37 |
| Jul, 1989 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 20.83 | 16.13 | 26.67 | 42.31 | 86.11 | 52.94 | 47.62 | 73.68 | 76.92 | 40.91 | 56.00 | 60.00 | 71.43 | 59.09 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.67 | 47.06 | 33.33 | 63.16 | 34.62 | 36.36 | 52.00 | 54.29 | 67.86 | 50.00 |
| Total Obs..... | 22 | 24 | 31 | 15 | 26 | 36 | 17 | 21 | 38 | 26 | 22 | 25 | 35 | 28 | 22 |
| Aug, 1989 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 30.43 | 66.67 | 43.75 | 59.09 | 14.71 | 66.67 | 50.00 | 72.97 | 48.00 | 30.00 | 43.48 | 57.14 | 64.58 | 65.71 |
| % < 4..... | 0.00 | 21.74 | 30.30 | 37.50 | 0.00 | 0.00 | 57.14 | 36.36 | 64.86 | 16.00 | 30.00 | 43.48 | 57.14 | 62.50 | 51.43 |
| Total Obs..... | 28 | 23 | 33 | 16 | 22 | 34 | 21 | 22 | 37 | 25 | 20 | 23 | 35 | 48 | 35 |
| Sep, 1989 | | | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 35.29 | 21.05 | 16.67 | 27.78 | 26.32 | 26.92 | 30.56 | 34.62 | 10.00 | 12.50 | 26.47 | 32.65 | 28.21 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.32 | 23.08 | 27.78 | 23.08 | 10.00 | 8.33 | 20.59 | 22.45 | 23.08 |
| Total Obs..... | 27 | 25 | 34 | 19 | 24 | 36 | 19 | 26 | 36 | 26 | 20 | 24 | 34 | 49 | 39 |

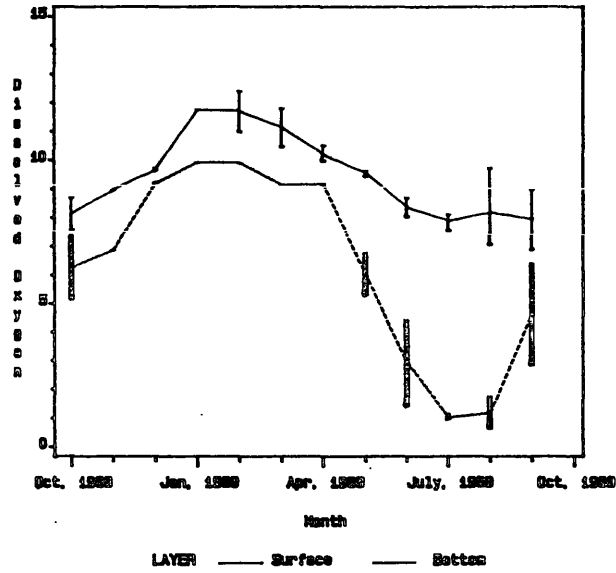
Dissolved Oxygen
October, 1988 - September, 1989

| | CB7.1S | CB7.1 | CB7.1N | EE3.2 | EE3.1 | CB5.4W | LE3.6 | LE3.7 | WE4.1 | WE4.2 | WE4.3 | WE4.4 | LE5.5 |
|----------------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| Oct, 1988 | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 29 | 40 | 48 | 40 | 7 | 10 | 19 | 14 | 11 | 24 | 11 | 14 | 18 |
| Nov, 1988 | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 16 | 20 | 23 | 17 | 4 | 5 | 9 | 7 | 5 | 12 | 4 | 5 | 18 |
| Dec, 1988 | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 12 | 19 | 24 | 21 | 3 | 4 | 9 | 7 | 5 | 12 | 5 | 6 | 17 |
| Jan, 1989 | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 15 | 20 | 23 | 20 | 4 | 5 | 9 | 7 | 5 | 14 | 5 | 5 | 17 |
| Feb, 1989 | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 14 | 21 | 25 | 22 | 4 | 4 | 8 | 6 | 5 | 13 | 5 | 7 | 20 |
| Mar, 1989 | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 16 | 19 | 25 | 21 | 3 | 4 | 9 | 6 | 5 | 12 | 4 | 7 | 18 |
| Apr, 1989 | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 31 | 40 | 45 | 39 | 6 | 9 | 17 | 14 | 10 | 45 | 10 | 14 | 36 |
| May, 1989 | | | | | | | | | | | | | |
| % < 5..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 30 | 39 | 49 | 43 | 6 | 8 | 18 | 13 | 10 | 16 | 10 | 11 | 38 |
| Jun, 1989 | | | | | | | | | | | | | |
| % < 5..... | 45.16 | 56.10 | 38.89 | 44.19 | 0.00 | 0.00 | 0.00 | 16.67 | 0.00 | 36.67 | 0.00 | 0.00 | 0.00 |
| % < 4..... | 0.00 | 46.34 | 22.22 | 18.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.33 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 31 | 41 | 36 | 43 | 7 | 8 | 17 | 12 | 10 | 30 | 9 | 12 | 38 |
| Jul, 1989 | | | | | | | | | | | | | |
| % < 5..... | 62.07 | 63.16 | 82.05 | 0.00 | 0.00 | 0.00 | 17.65 | 21.43 | 30.00 | 59.37 | 0.00 | 0.00 | 2.70 |
| % < 4..... | 58.62 | 57.89 | 51.28 | 0.00 | 0.00 | 0.00 | 11.76 | 21.43 | 0.00 | 53.12 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 29 | 38 | 39 | 36 | 7 | 8 | 17 | 14 | 10 | 32 | 10 | 15 | 37 |
| Aug, 1989 | | | | | | | | | | | | | |
| % < 5..... | 58.06 | 32.50 | 36.17 | 16.67 | 42.86 | 0.00 | 11.11 | 0.00 | 10.00 | 40.00 | 0.00 | 0.00 | 64.71 |
| % < 4..... | 58.06 | 25.00 | 2.13 | 2.38 | 42.86 | 0.00 | 5.56 | 0.00 | 0.00 | 36.67 | 0.00 | 0.00 | 58.82 |
| Total Obs..... | 31 | 40 | 47 | 42 | 7 | 8 | 18 | 13 | 10 | 30 | 10 | 14 | 34 |
| Sep, 1989 | | | | | | | | | | | | | |
| % < 5..... | 28.57 | 32.50 | 34.04 | 32.50 | 42.86 | 0.00 | 0.00 | 16.67 | 0.00 | 25.00 | 0.00 | 0.00 | 22.58 |
| % < 4..... | 25.00 | 32.50 | 29.79 | 30.00 | 14.29 | 0.00 | 0.00 | 8.33 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 |
| Total Obs..... | 28 | 40 | 47 | 40 | 7 | 8 | 18 | 12 | 10 | 28 | 10 | 13 | 31 |

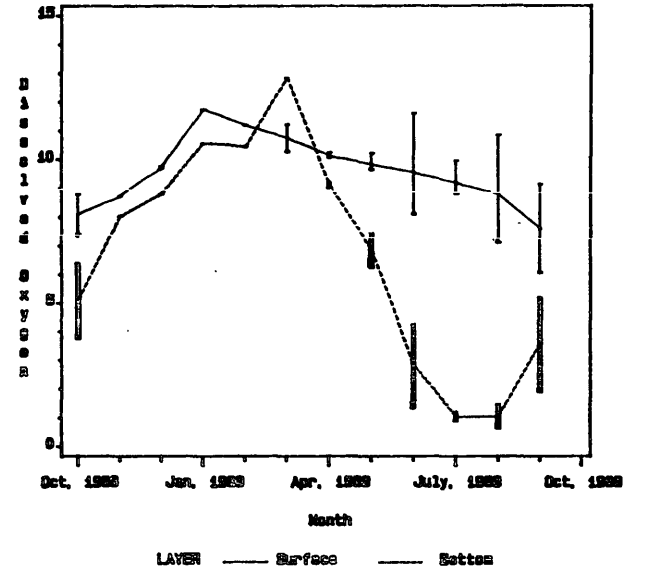
Station Id-C88.3



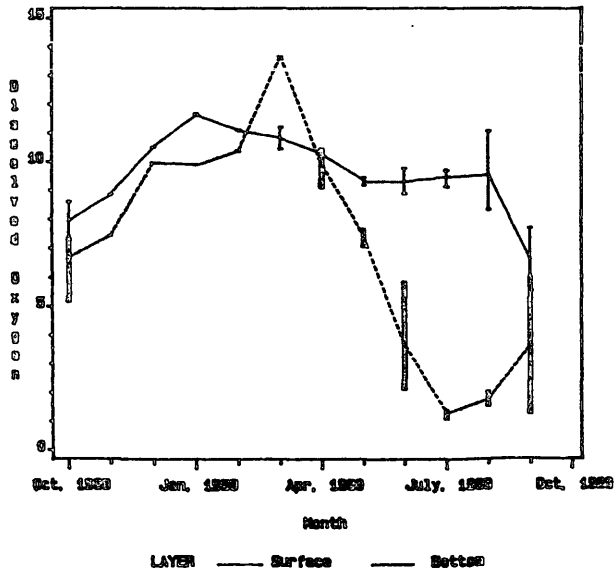
Station Id-C88.4



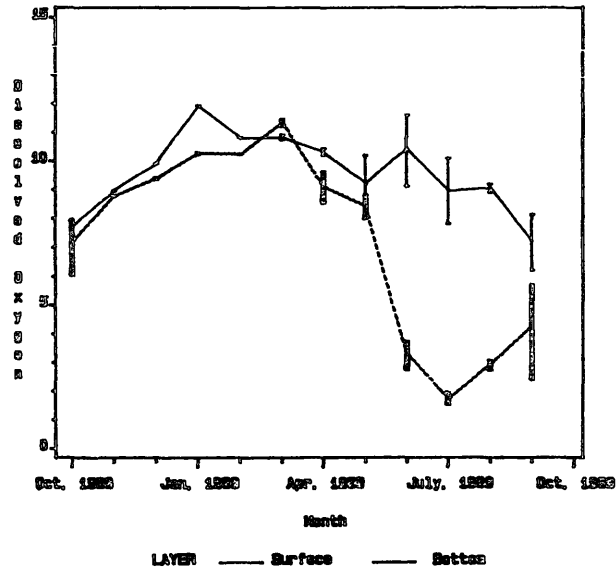
Station Id-C88.5



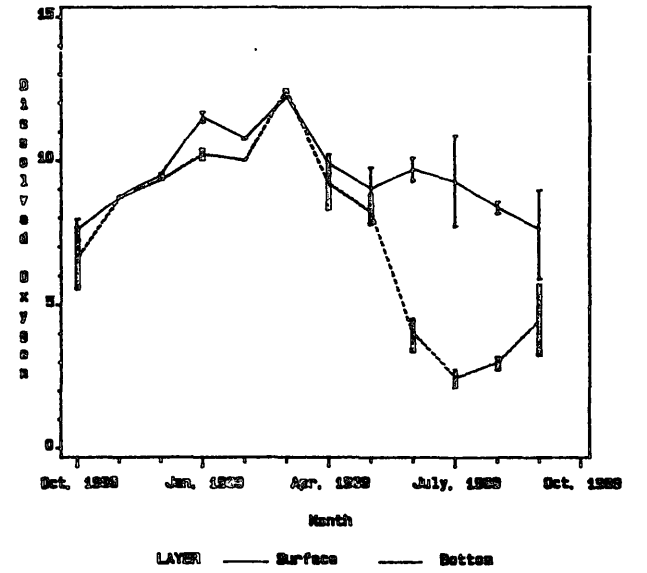
Station Id-C88.1



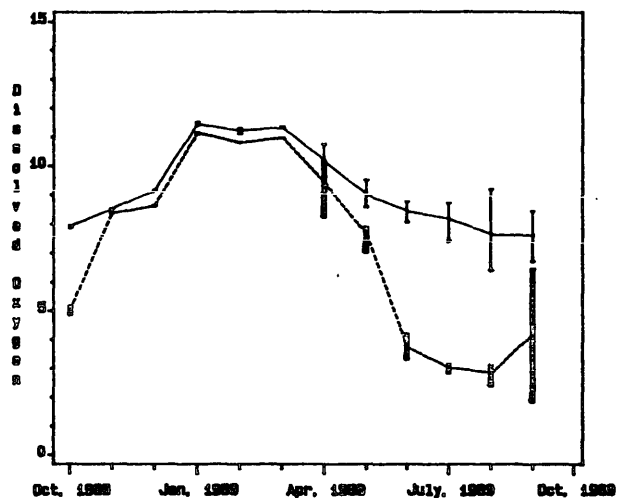
Station Id-C88.2



Station Id-C88.3

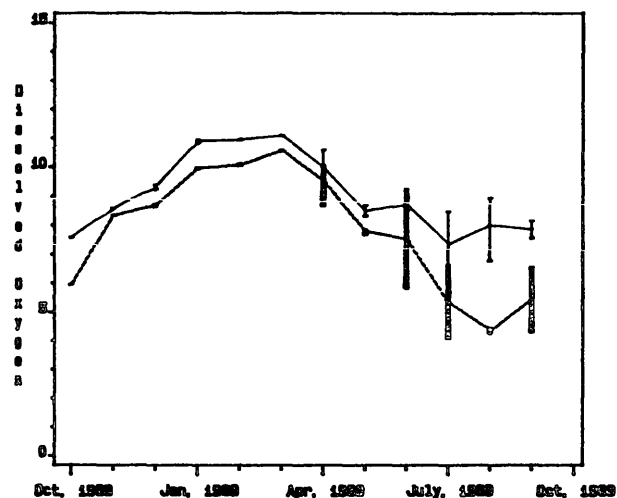


Station Id-C86.4



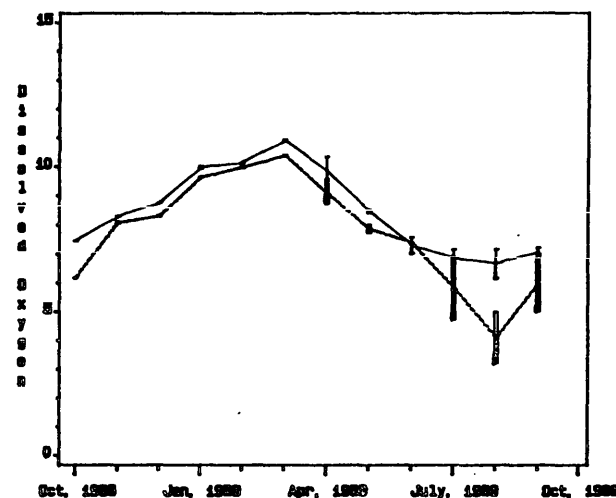
Month
LAYER — Surface — Bottom

Station Id-C87.3



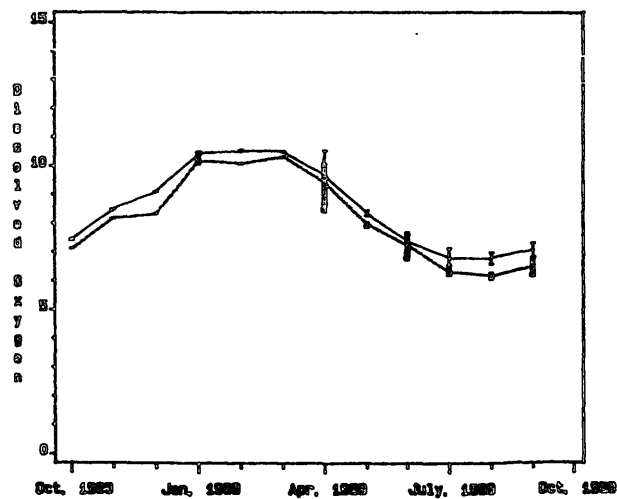
Month
LAYER — Surface — Bottom

Station Id-C87.4



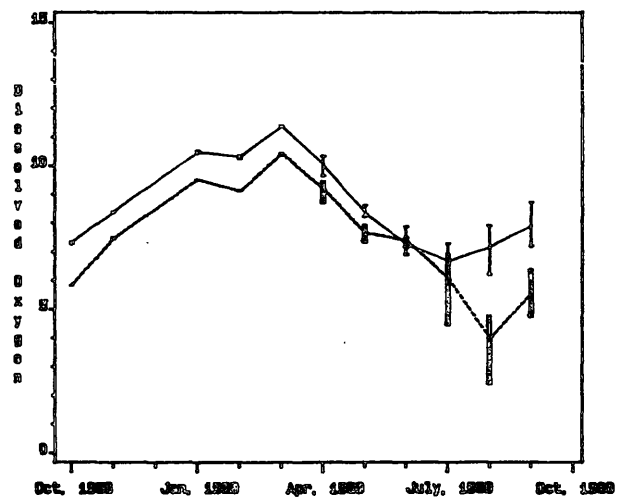
Month
LAYER — Surface — Bottom

Station Id-C87.6



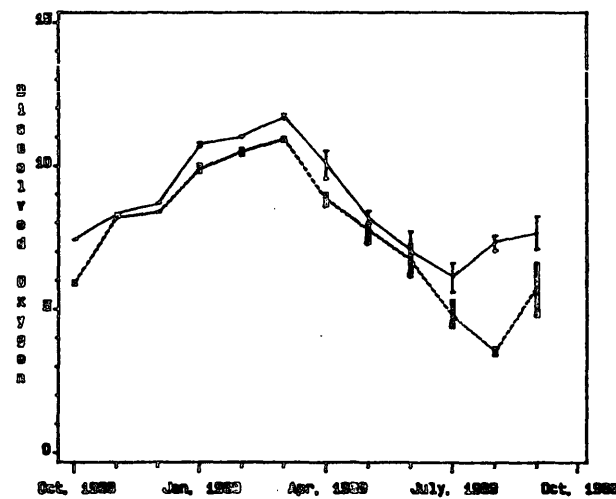
Month
LAYER — Surface — Bottom

Station Id-C88.1E



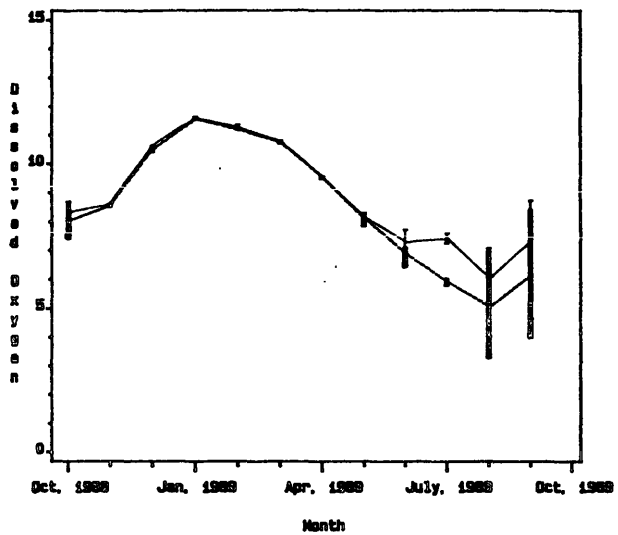
Month
LAYER — Surface — Bottom

Station Id-C88.1

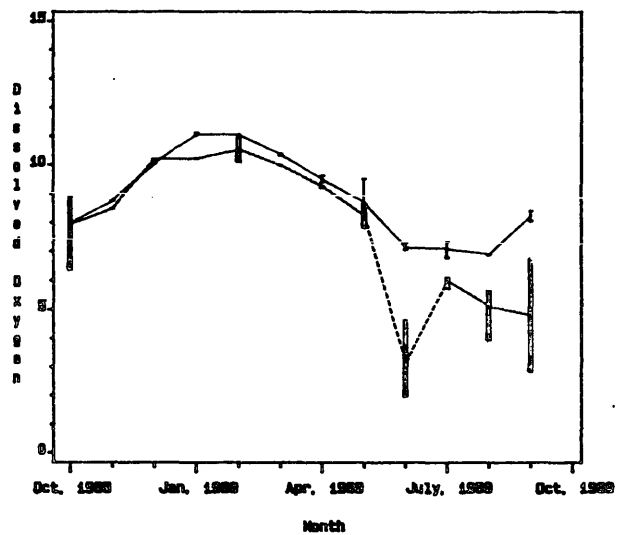


Month
LAYER — Surface — Bottom

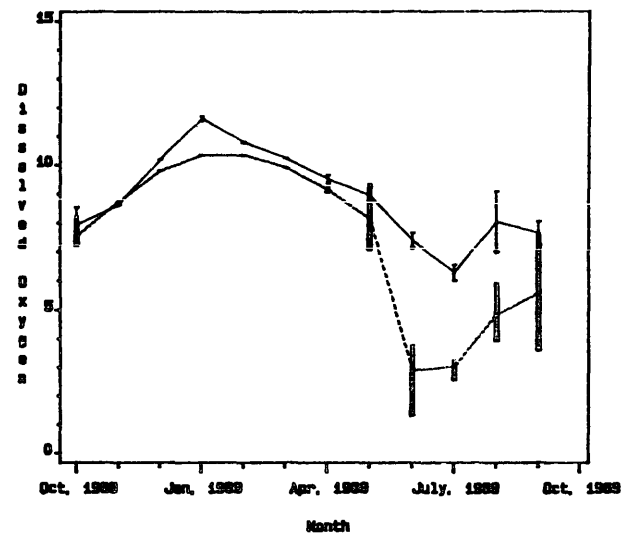
Station Id-CB3.1



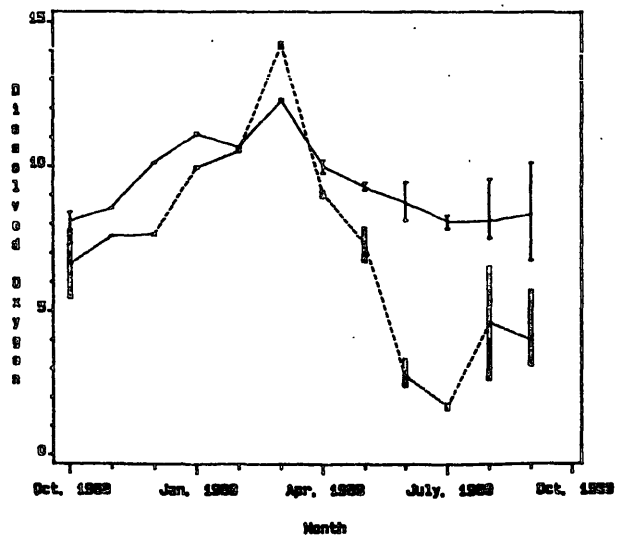
Station Id-CB3.2



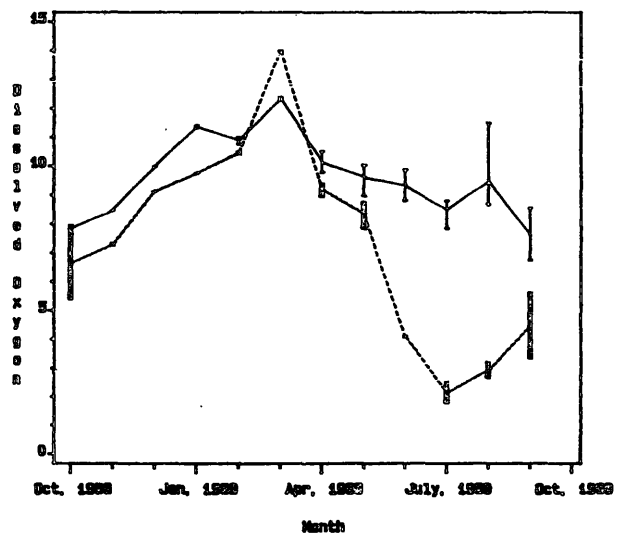
Station Id-CB7.1N



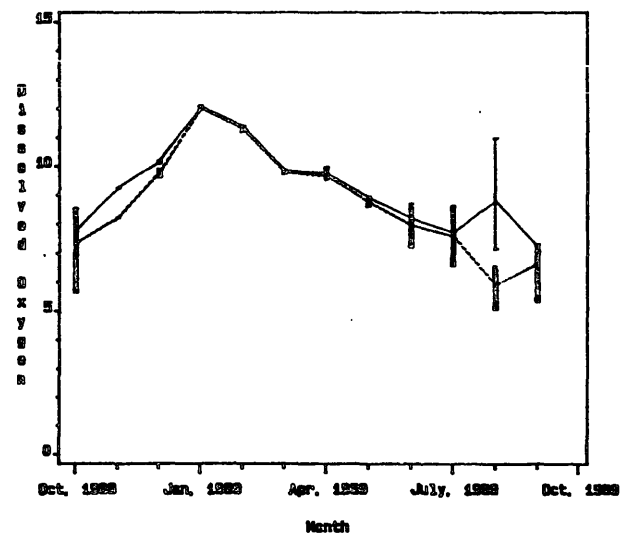
Station Id-CB7.1



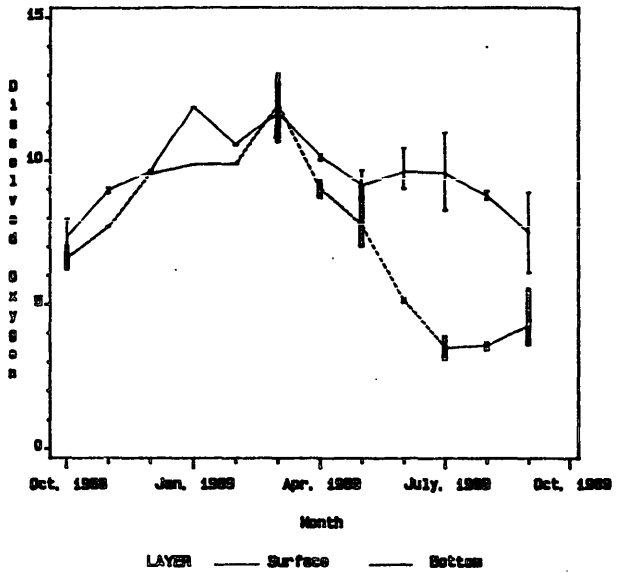
Station Id-CB7.1S



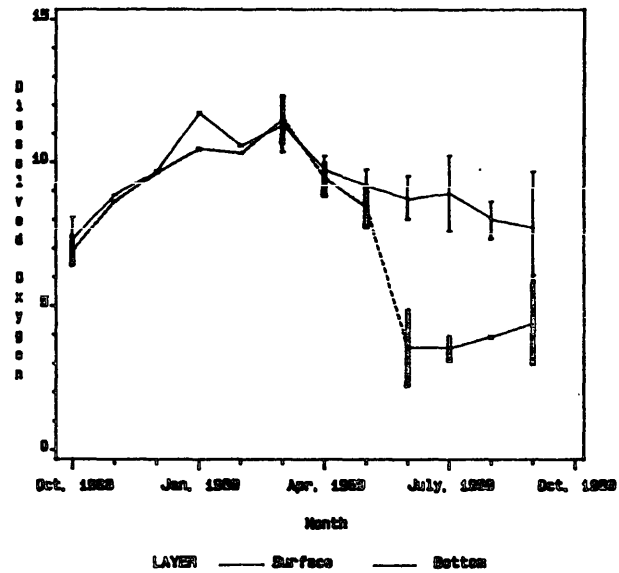
Station Id-CB8.4N



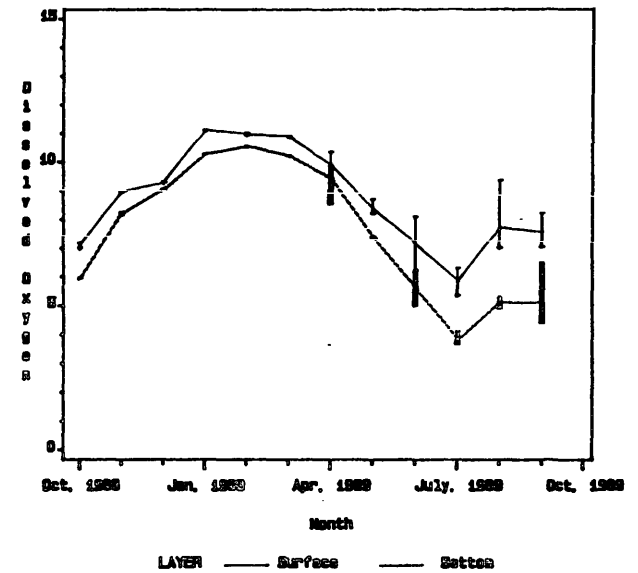
Station Id-CE7.2



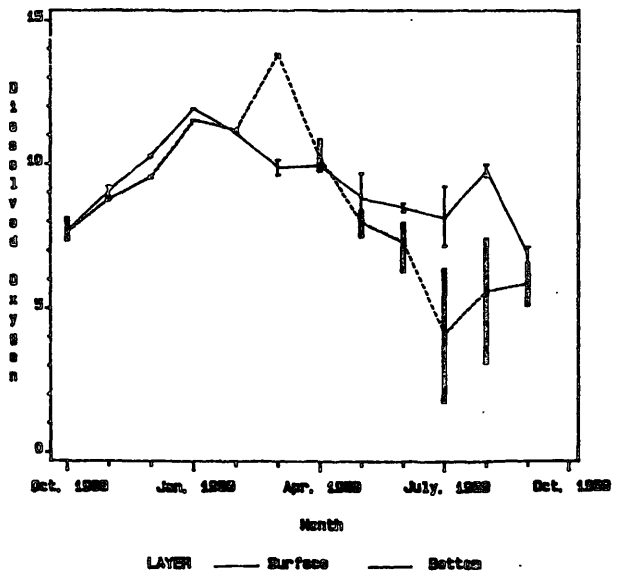
Station Id-CE7.2E



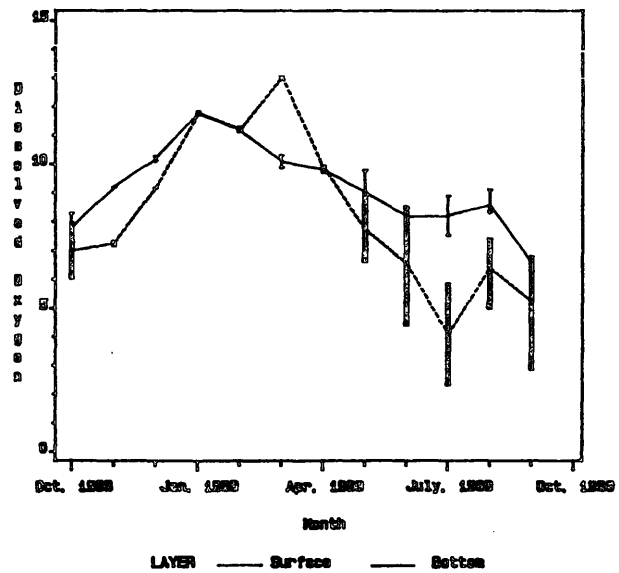
Station Id-CE7.3E



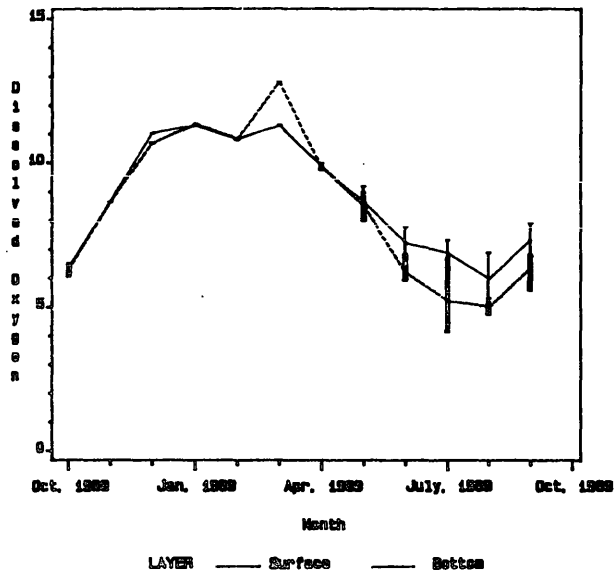
Station Id-LE9.6



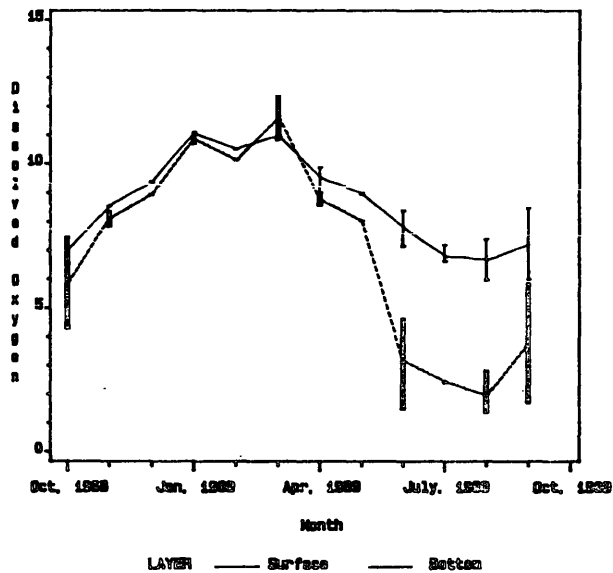
Station Id-LE9.7



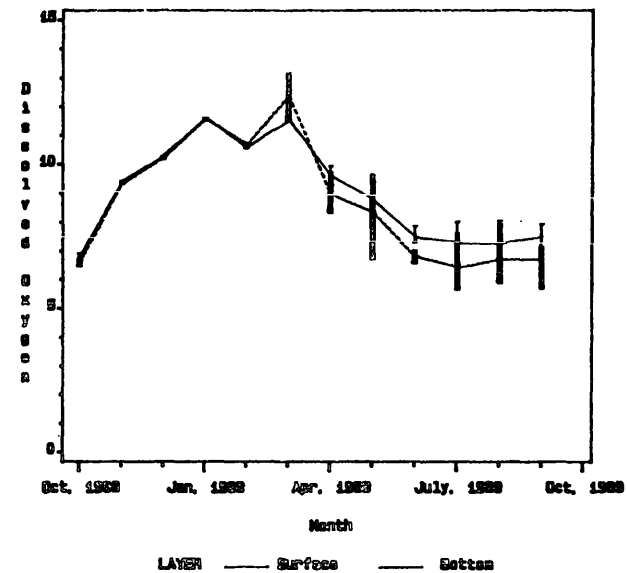
Station Id=ME4.1



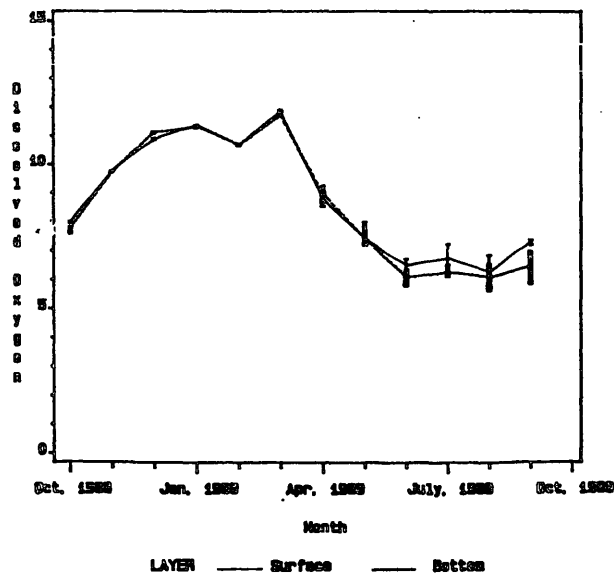
Station Id=ME4.2



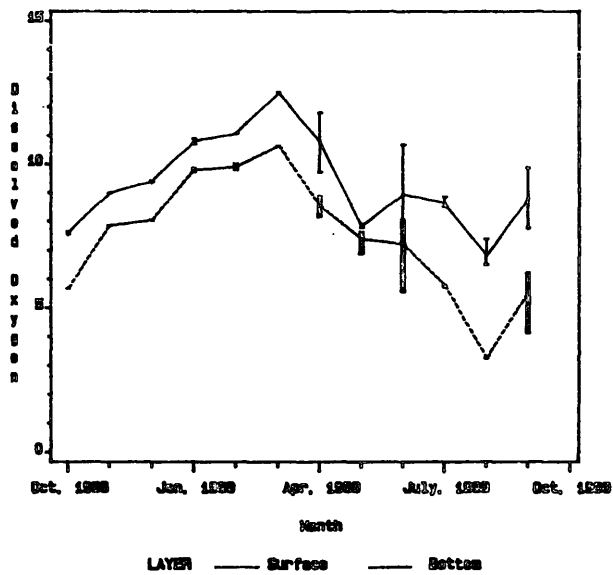
Station Id=ME4.3



Station Id=ME4.4



Station Id=LE3.5



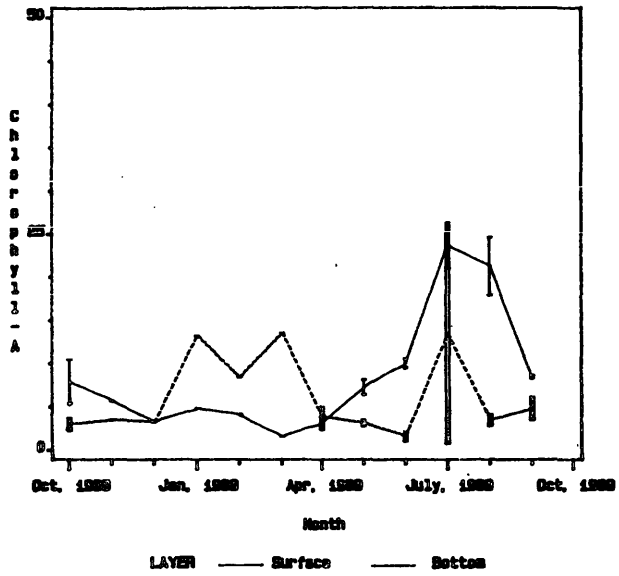
CHLOROPHYLL-A

Values reported as ug/l.

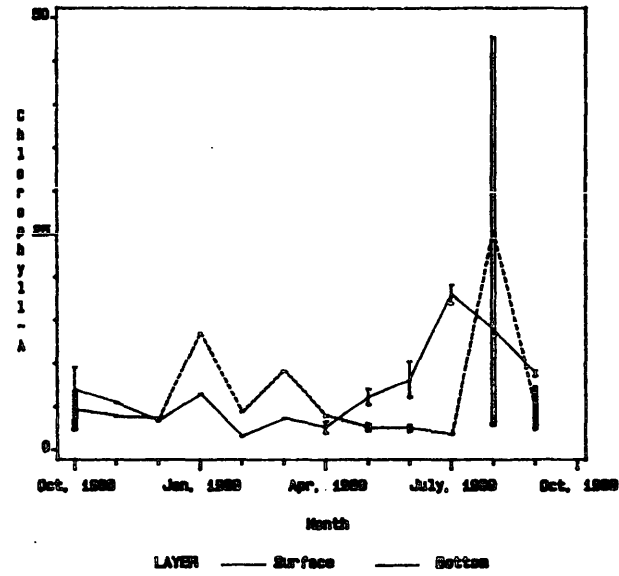
Chlorophyll-A
October, 1988 - September, 1989

| | Chlorophyll-A | | | | | |
|-------------|---------------|-------|-------|--------|------|-------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 26.28 | 9.57 | 1.48 | 26.06 | 5.68 | 0.69 |
| CB5.4..... | 19.09 | 8.16 | 1.54 | 47.87 | 6.47 | -1.55 |
| CB5.5..... | 39.34 | 8.48 | 2.07 | 13.35 | 3.92 | 0.00 |
| CB6.1..... | 30.77 | 9.30 | 2.28 | 14.95 | 4.05 | 0.00 |
| CB6.2..... | 30.88 | 8.92 | 2.00 | 8.97 | 3.62 | -1.57 |
| CB6.3..... | 21.09 | 8.71 | 2.35 | 85.97 | 8.68 | 1.67 |
| CB6.4..... | 22.56 | 8.06 | 3.33 | 8.23 | 3.21 | 0.96 |
| CB7.3..... | 10.77 | 5.25 | 0.43 | 8.41 | 3.71 | 0.81 |
| CB7.4..... | 8.94 | 4.35 | 1.18 | 9.44 | 3.72 | 1.07 |
| CB7.4N..... | 9.86 | 4.60 | 0.53 | 22.03 | 7.01 | 1.38 |
| CB8.1E..... | 21.87 | 7.49 | 1.96 | 13.21 | 3.87 | 1.39 |
| CB8.1..... | 19.11 | 6.92 | 1.82 | 22.18 | 5.09 | 1.08 |
| EE3.1..... | 40.37 | 13.36 | 3.31 | 20.33 | 9.53 | 2.29 |
| EE3.2..... | 22.43 | 9.25 | 2.82 | 22.93 | 9.66 | 2.46 |
| CB7.1N..... | 15.27 | 7.90 | 2.24 | 17.19 | 7.32 | 2.03 |
| CB7.1..... | 13.57 | 6.95 | 3.12 | 22.61 | 5.75 | 0.00 |
| CB7.1S..... | 13.88 | 6.98 | 1.38 | 6.13 | 3.30 | 1.24 |
| CB5.4W..... | 24.48 | 9.49 | 1.80 | 20.52 | 9.17 | 1.51 |
| CB7.2..... | 18.52 | 7.49 | 1.84 | 11.61 | 4.09 | 0.58 |
| CB7.2E..... | 23.85 | 6.48 | 2.35 | 12.56 | 4.38 | 1.10 |
| CB7.3E..... | 20.55 | 5.43 | -1.79 | 7.80 | 4.02 | 1.07 |
| LE3.6..... | 23.91 | 8.85 | 1.59 | 12.50 | 7.83 | 2.14 |
| LE3.7..... | 30.87 | 9.67 | 1.25 | 16.78 | 8.56 | 3.37 |
| WE4.1..... | 22.43 | 9.23 | 2.14 | 13.04 | 7.30 | 2.78 |
| WE4.2..... | 23.84 | 8.43 | 2.29 | 12.38 | 5.47 | 2.20 |
| WE4.3..... | 15.69 | 7.42 | 0.90 | 20.00 | 7.97 | 2.82 |
| WE4.4..... | 17.19 | 7.78 | 2.00 | 14.95 | 7.00 | 2.58 |
| LE5.5..... | 28.26 | 10.40 | 2.99 | 9.23 | 3.73 | -2.24 |

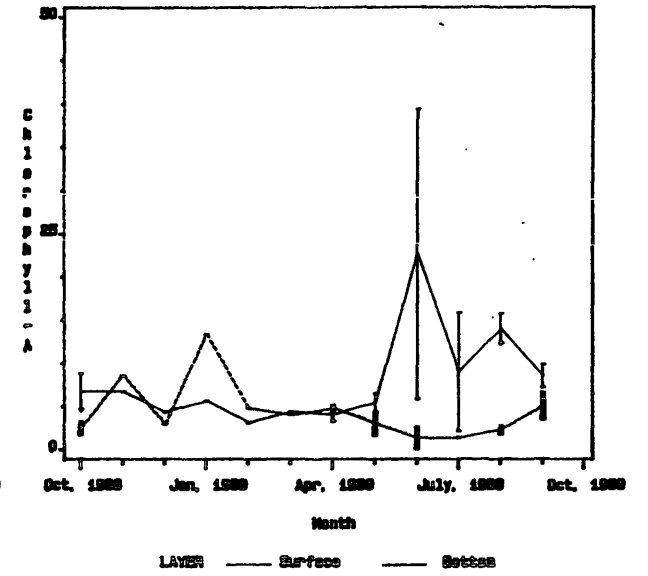
Station Id-CBS.3



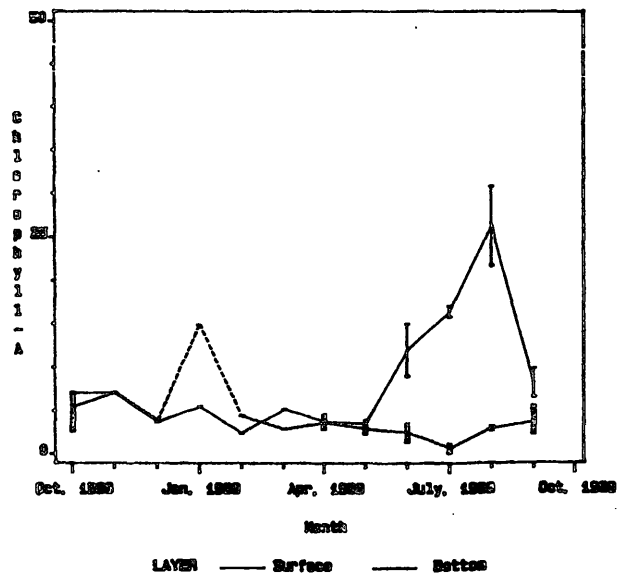
Station Id-CBS.4



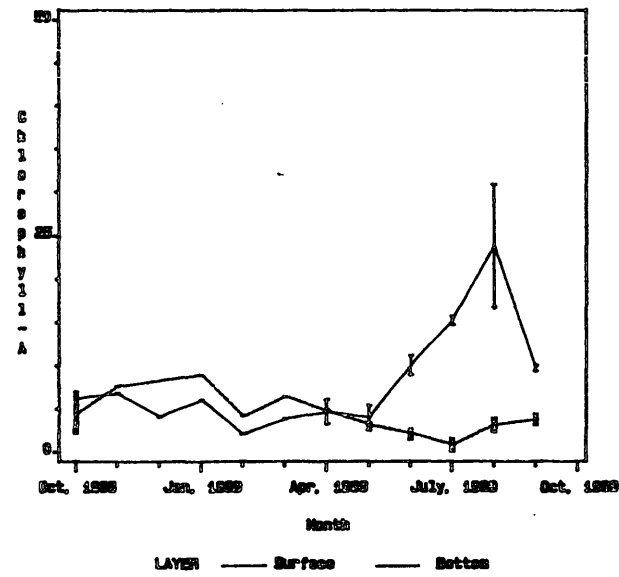
Station Id-CBS.5



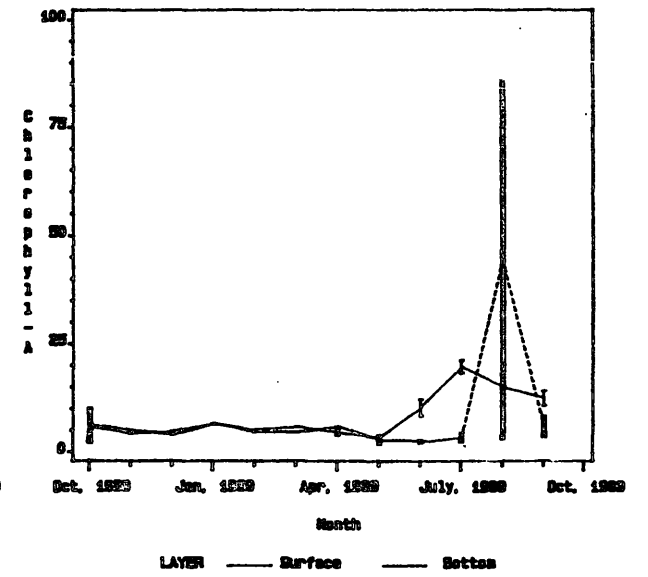
Station Id-CBS.1



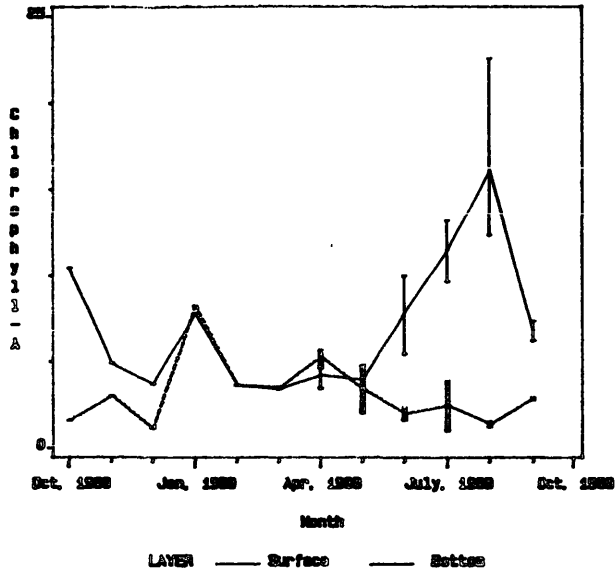
Station Id-CBS.2



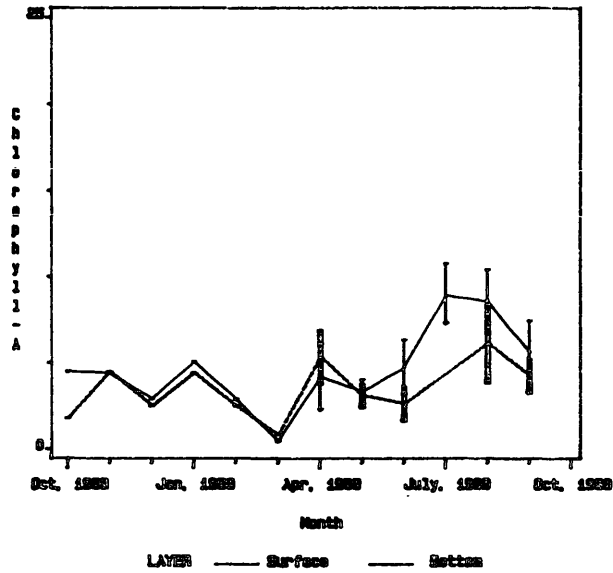
Station Id-CBS.3



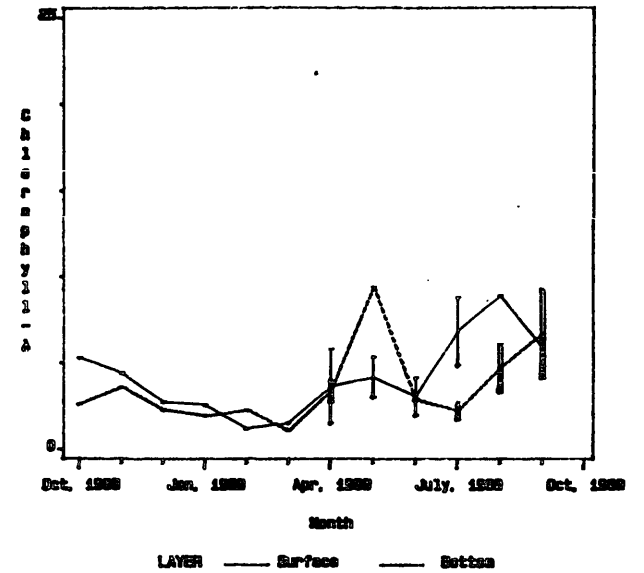
Station Id-CB6.4



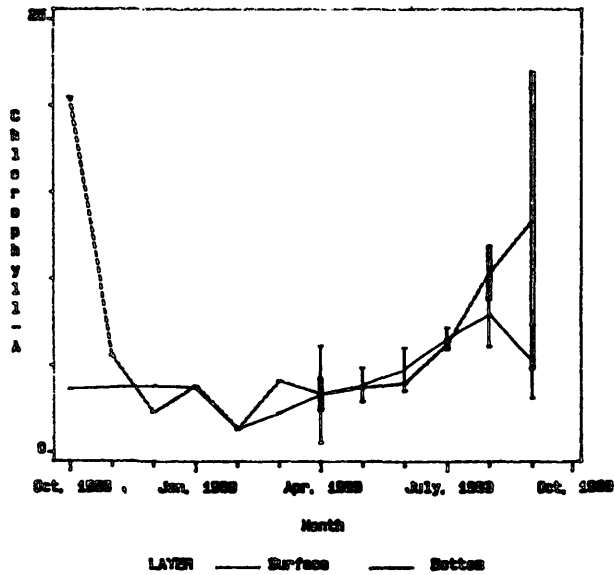
Station Id-CB7.3



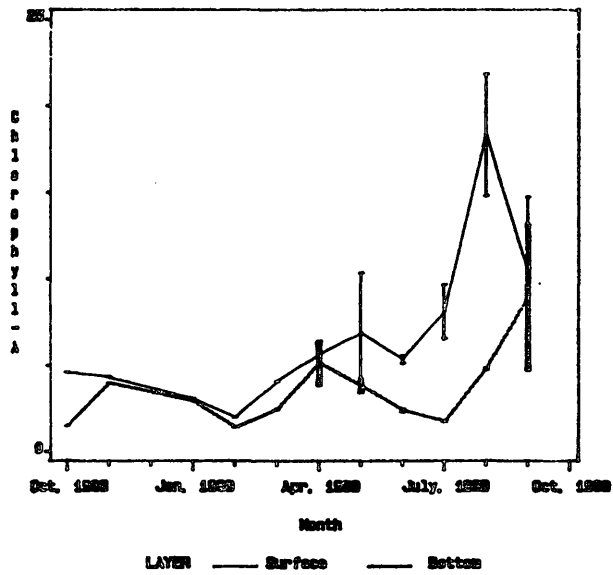
Station Id-CB7.4



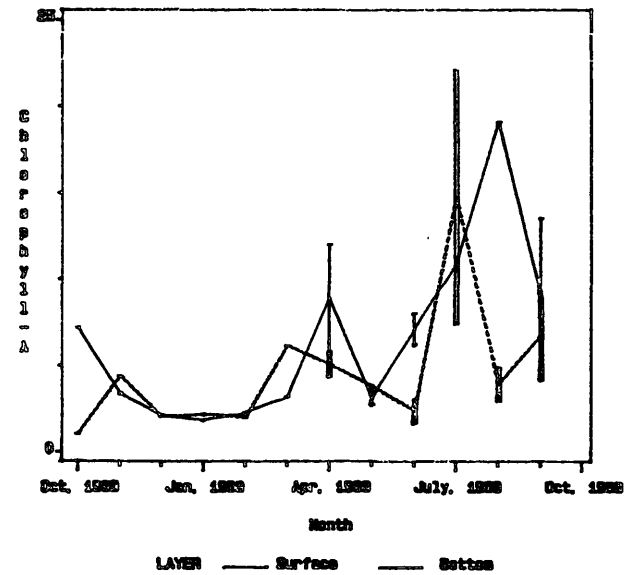
Station Id-CB7.4N



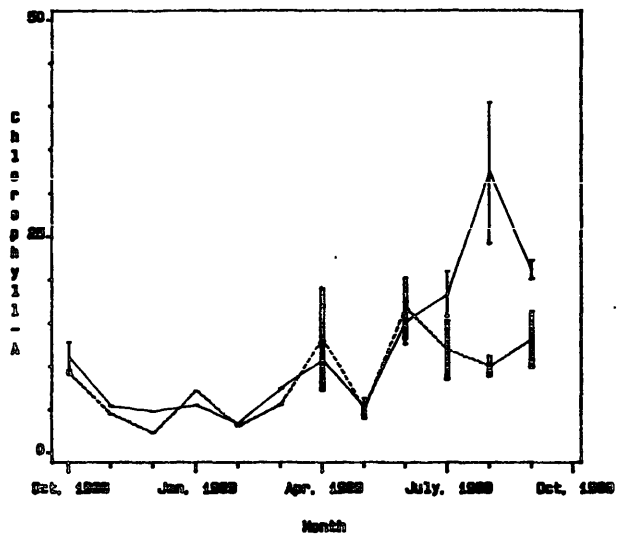
Station Id-CB6.1E



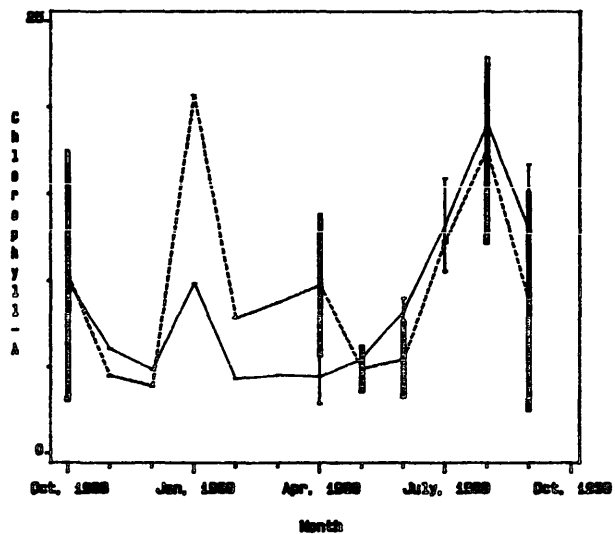
Station Id-CB6.1



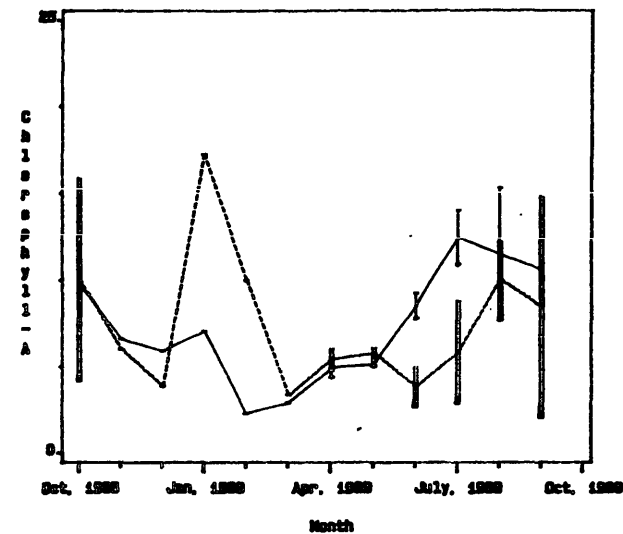
Station Id-CB3.1



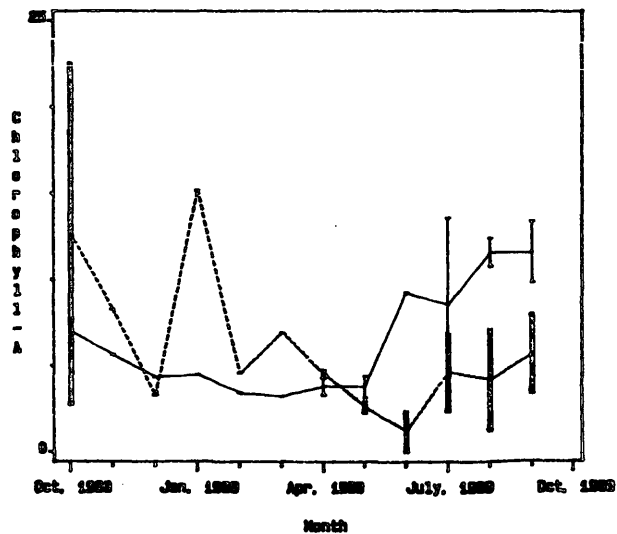
Station Id-CB3.2



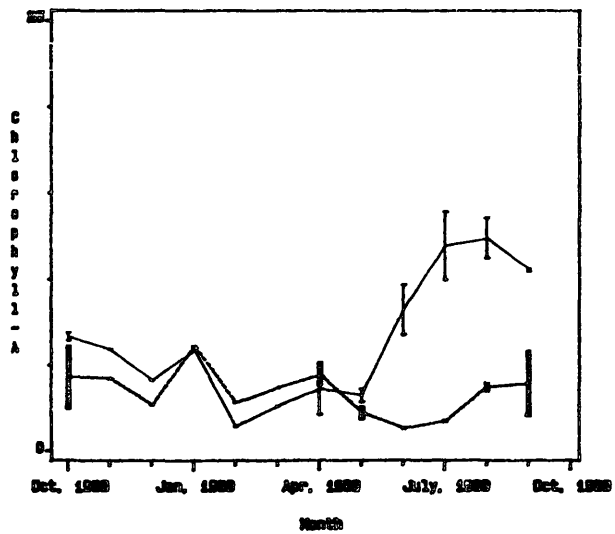
Station Id-CB7.1H



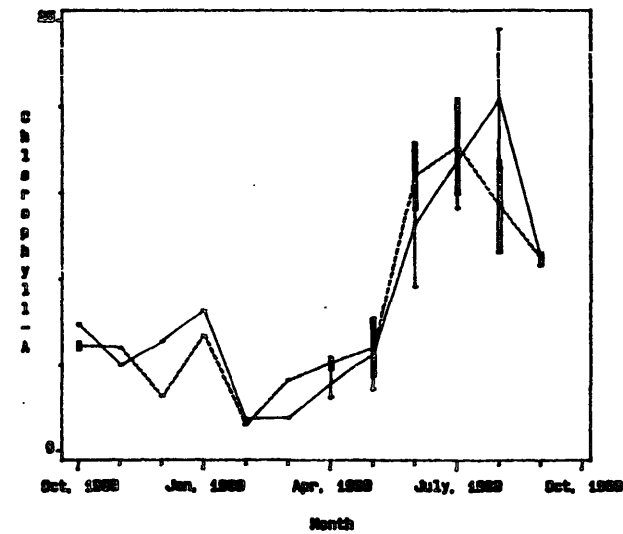
Station Id-CB7.1



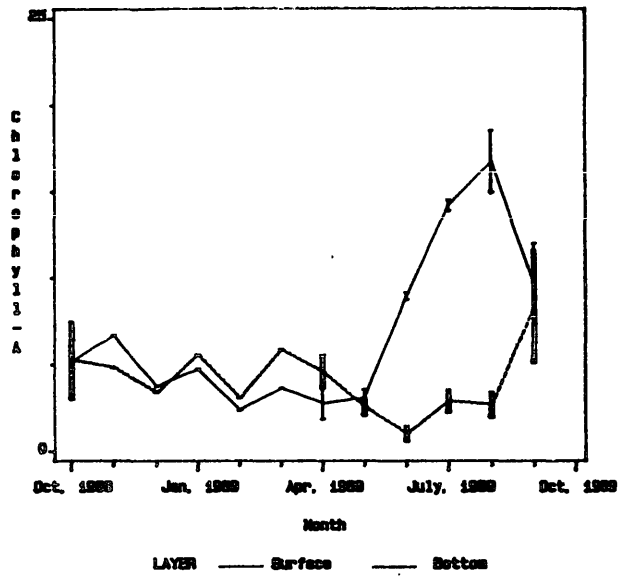
Station Id-CB7.1B



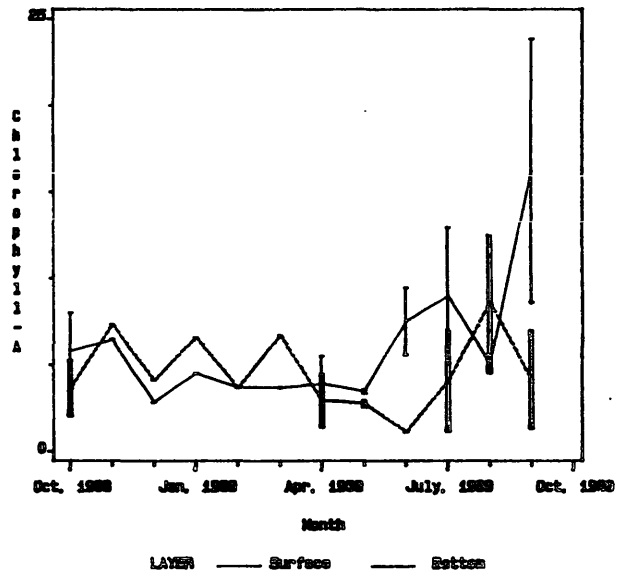
Station Id-CB5.2H



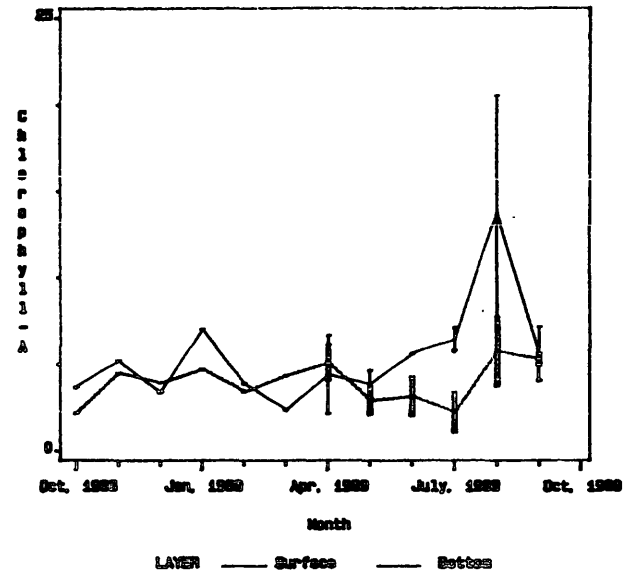
Station 10-CB7.2



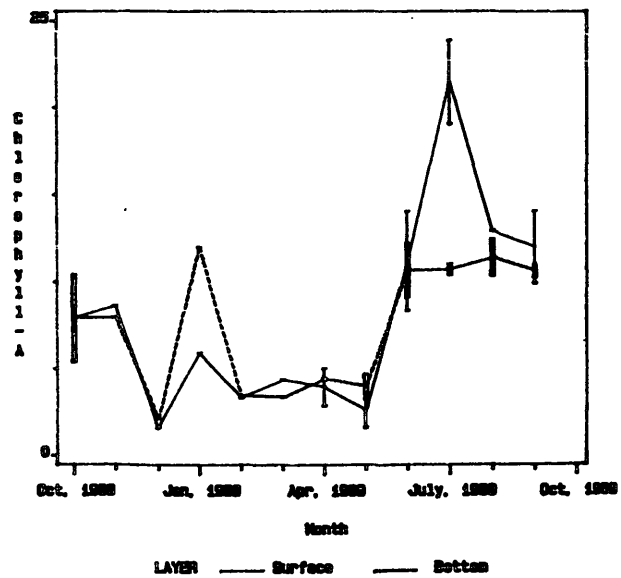
Station 10-CB7.2E



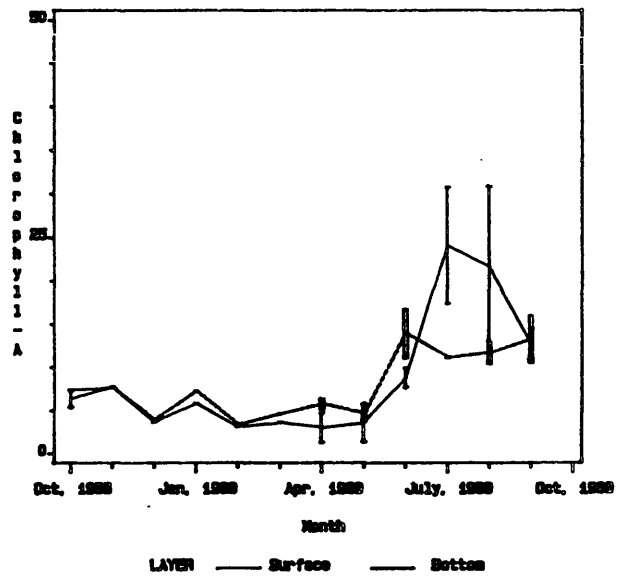
Station 10-CB7.2E



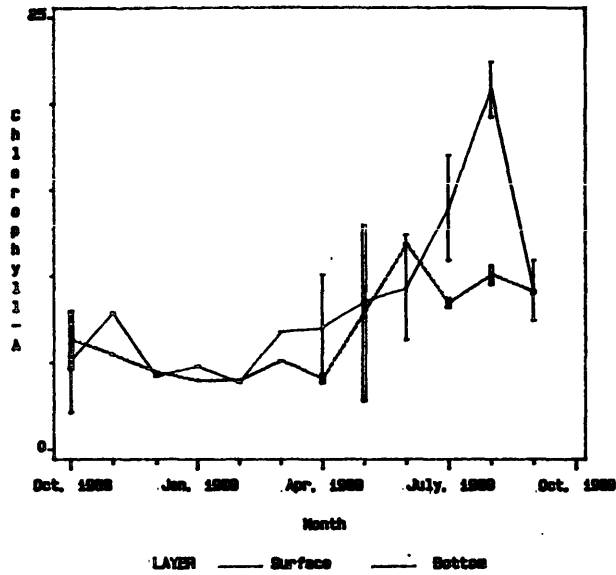
Station 10-LES.6



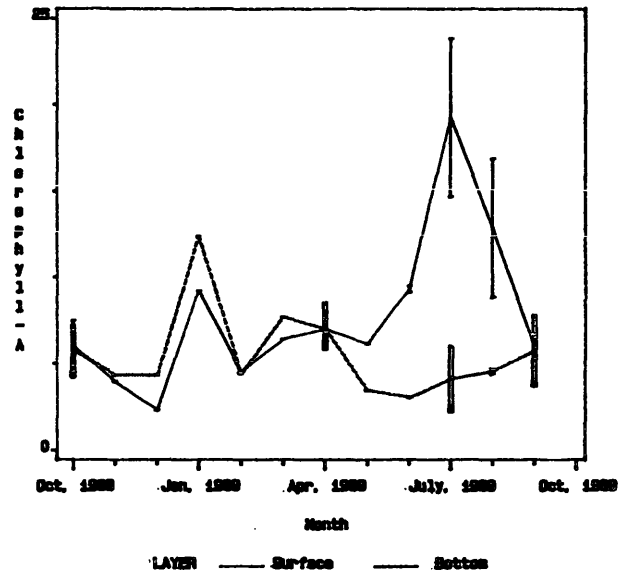
Station 10-LES.7



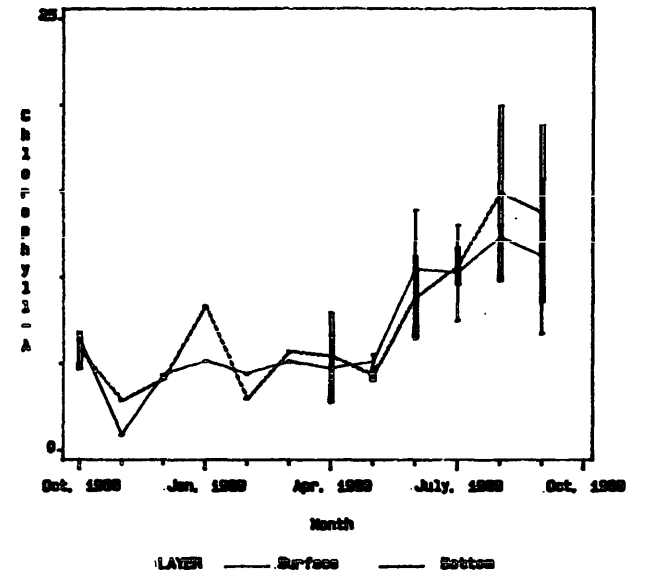
Station Id-NE4.1



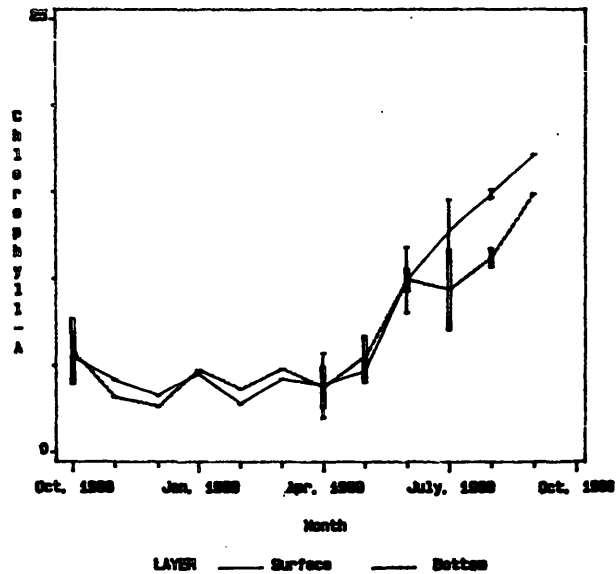
Station Id-NE4.2



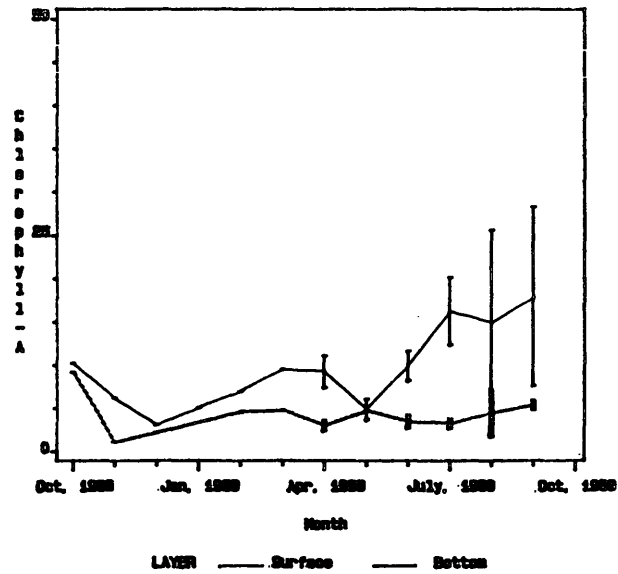
Station Id-NE4.3



Station Id-NE4.4



Station Id-NE4.5



TOTAL PHOSPHORUS

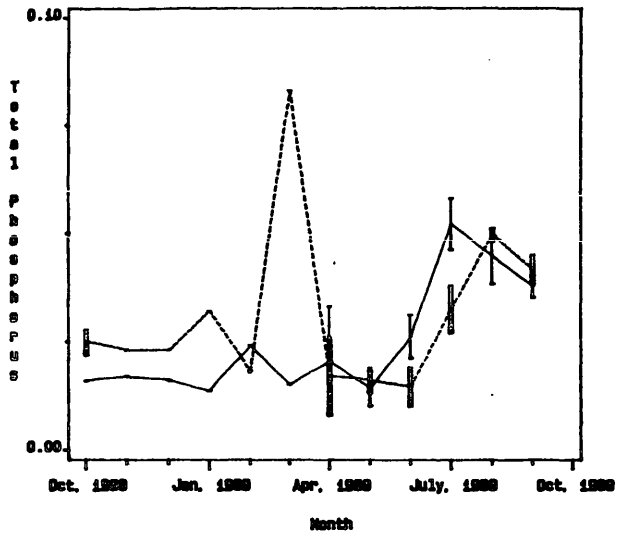
Total Phosphorus is the sum of
Particulate Phosphorus and Total Dissolved Phosphorus.

Values reported as mg/l.

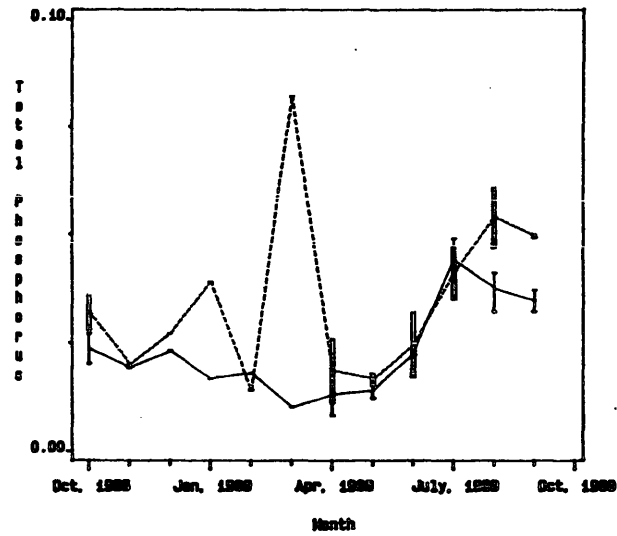
Total Phosphorus
October, 1988 - September, 1989

| | Total Phosphorus | | | | | |
|-------------|------------------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 0.0580 | 0.0267 | 0.0080 | 0.0830 | 0.0301 | 0.0080 |
| CB5.4..... | 0.0490 | 0.0251 | 0.0080 | 0.0820 | 0.0344 | 0.0110 |
| CB5.5..... | 0.0580 | 0.0257 | 0.0100 | 0.0810 | 0.0355 | 0.0140 |
| CB6.1..... | 0.0570 | 0.0273 | 0.0090 | 0.0740 | 0.0306 | 0.0120 |
| CB6.2..... | 0.0440 | 0.0258 | 0.0080 | 0.2710 | 0.0450 | 0.0130 |
| CB6.3..... | 0.0510 | 0.0301 | 0.0080 | 0.0660 | 0.0340 | 0.0140 |
| CB6.4..... | 0.0620 | 0.0301 | 0.0060 | 0.0960 | 0.0371 | 0.0135 |
| CB7.3..... | 0.0520 | 0.0293 | 0.0115 | 0.0750 | 0.0364 | 0.0175 |
| CB7.4..... | 0.0440 | 0.0285 | 0.0105 | 0.0630 | 0.0357 | 0.0165 |
| CB7.4N..... | 0.0410 | 0.0272 | 0.0115 | 0.1920 | 0.0479 | 0.0210 |
| CB8.1E..... | 0.0610 | 0.0310 | 0.0170 | 0.0800 | 0.0399 | 0.0220 |
| CB8.1..... | 0.0600 | 0.0327 | 0.0105 | 0.1070 | 0.0464 | 0.0125 |
| EE3.1..... | 0.0910 | 0.0401 | 0.0115 | 0.0830 | 0.0348 | 0.0135 |
| EE3.2..... | 0.2570 | 0.0395 | 0.0090 | 0.8400 | 0.0802 | 0.0125 |
| CB7.1N..... | 0.0480 | 0.0237 | 0.0090 | 0.0690 | 0.0321 | 0.0150 |
| CB7.1..... | 0.0520 | 0.0246 | 0.0090 | 0.0790 | 0.0362 | 0.0140 |
| CB7.1S..... | 0.0600 | 0.0250 | 0.0100 | 0.0670 | 0.0338 | 0.0110 |
| CB5.4W..... | 0.0660 | 0.0301 | 0.0100 | 0.0580 | 0.0249 | 0.0090 |
| CB7.2..... | 0.0750 | 0.0314 | 0.0070 | 0.0720 | 0.0375 | 0.0090 |
| CB7.2E..... | 0.0540 | 0.0282 | 0.0080 | 0.0570 | 0.0290 | 0.0070 |
| CB7.3E..... | 0.0510 | 0.0287 | 0.0115 | 0.0960 | 0.0391 | 0.0145 |
| LE3.6..... | 0.0680 | 0.0263 | 0.0090 | 0.0530 | 0.0277 | 0.0090 |
| LE3.7..... | 0.1000 | 0.0279 | 0.0090 | 0.0600 | 0.0284 | 0.0095 |
| WE4.1..... | 0.0680 | 0.0322 | 0.0100 | 0.0690 | 0.0340 | 0.0095 |
| WE4.2..... | 0.0750 | 0.0331 | 0.0090 | 0.1480 | 0.0494 | 0.0150 |
| WE4.3..... | 0.0630 | 0.0314 | 0.0125 | 0.0670 | 0.0318 | 0.0110 |
| WE4.4..... | 0.0530 | 0.0328 | 0.0110 | 0.0520 | 0.0302 | 0.0065 |
| LE5.5..... | 0.0940 | 0.0473 | 0.0180 | 0.1470 | 0.0565 | 0.0105 |

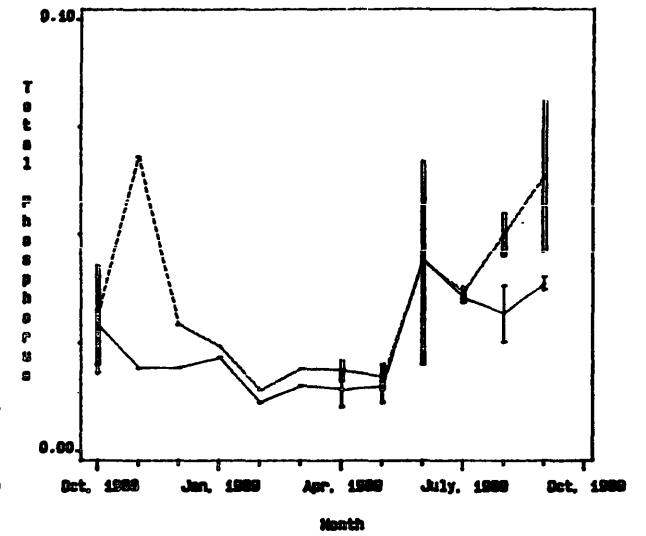
Station Id-CBS.3



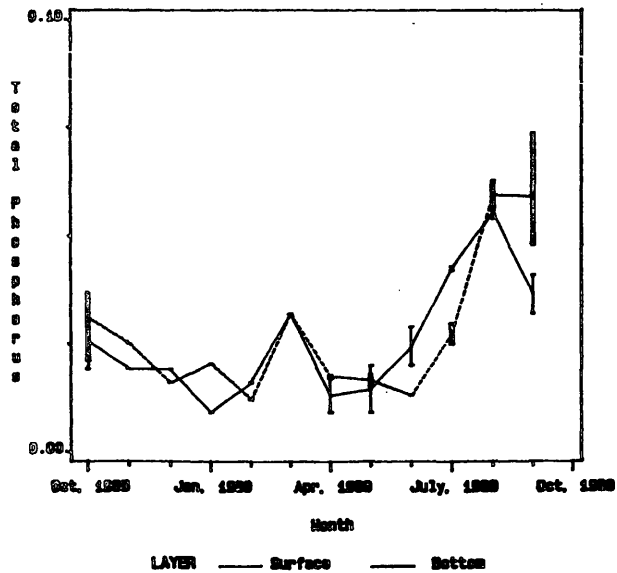
Station Id-CBS.4



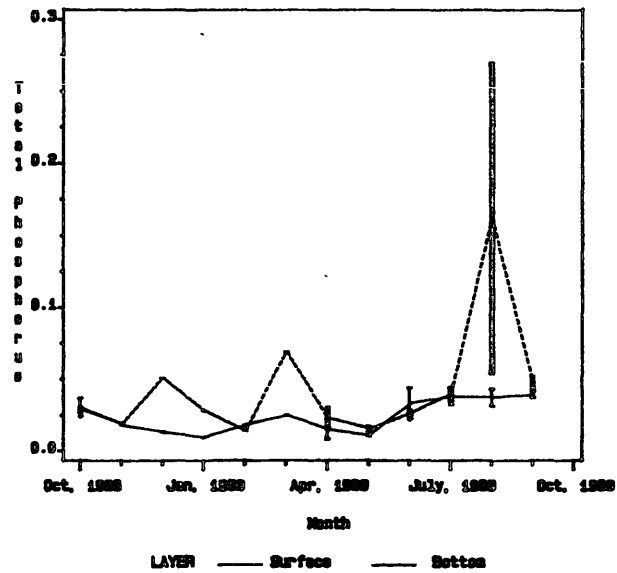
Station Id-CBS.5



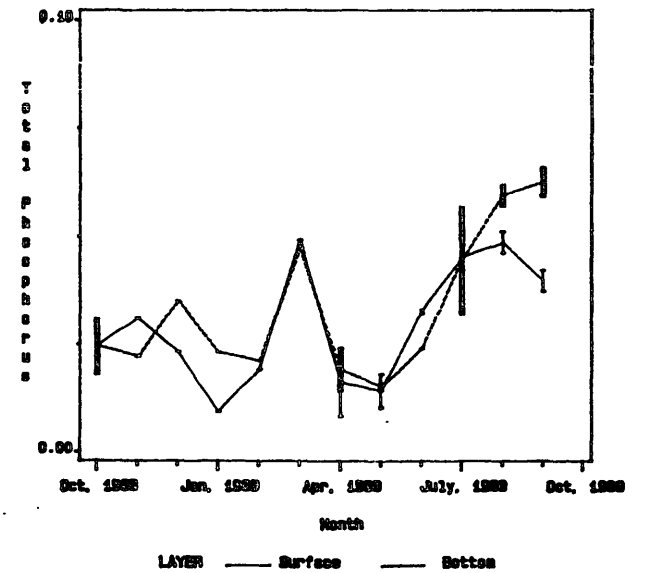
Station Id-CBS.1



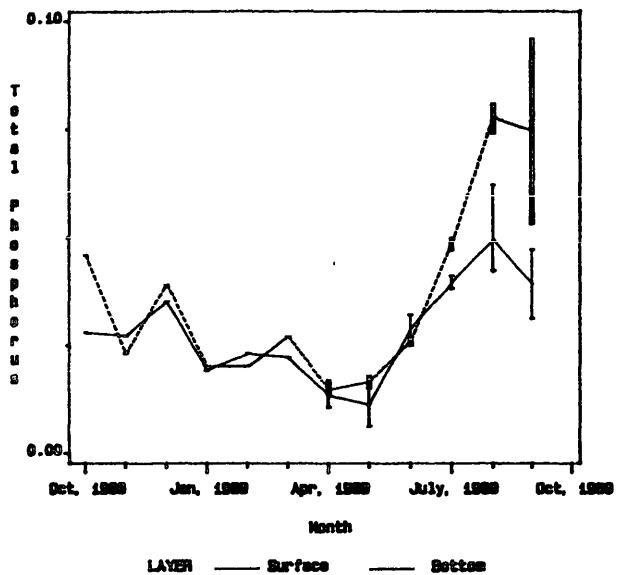
Station Id-CBS.2



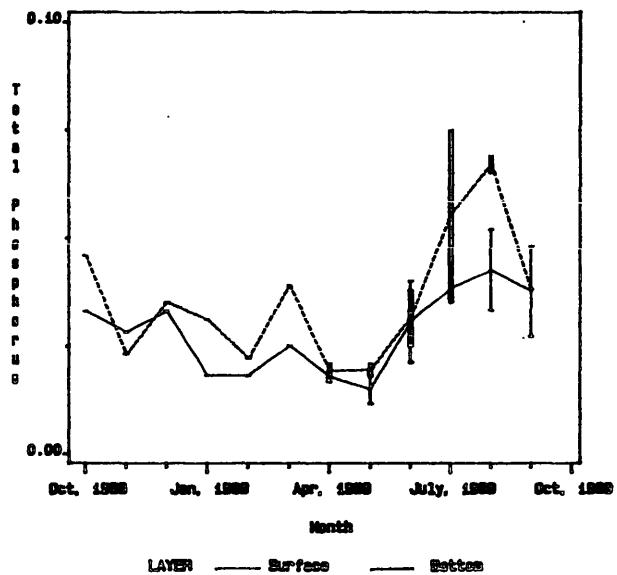
Station Id-CBS.3



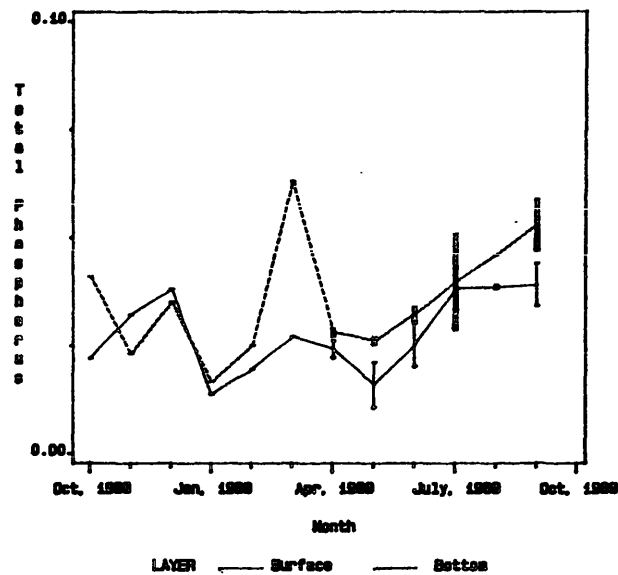
Station Id-CB6.4



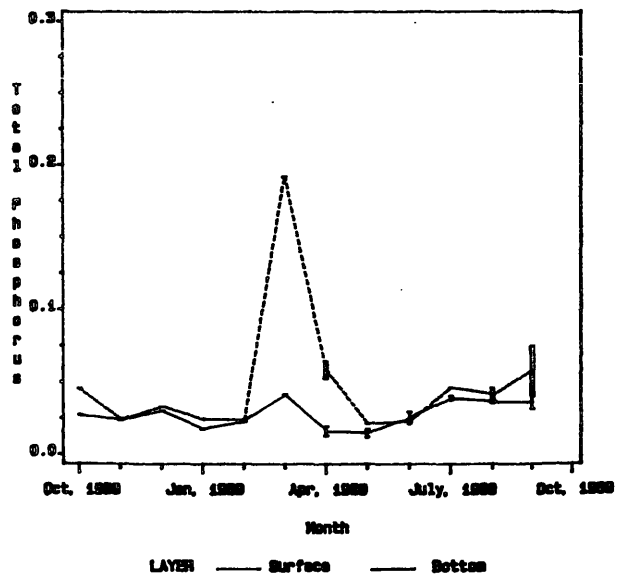
Station Id-CB7.3



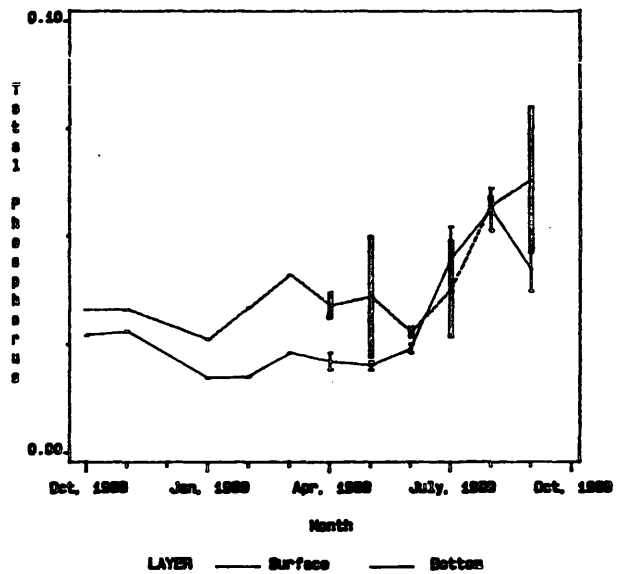
Station Id-CB7.4



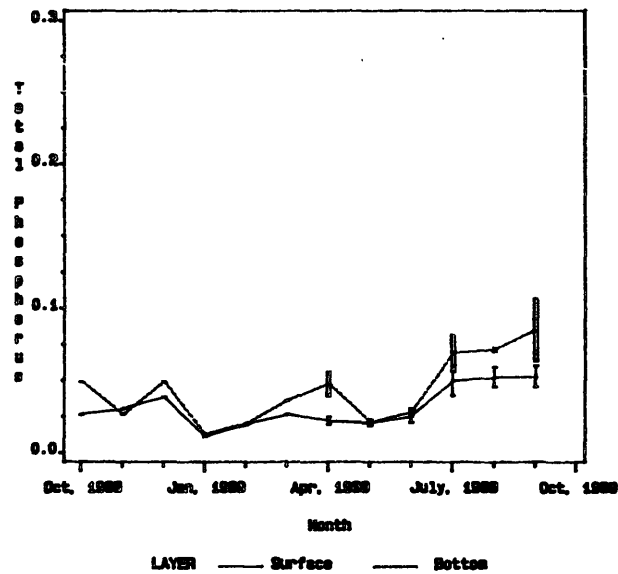
Station Id-CB7.4N



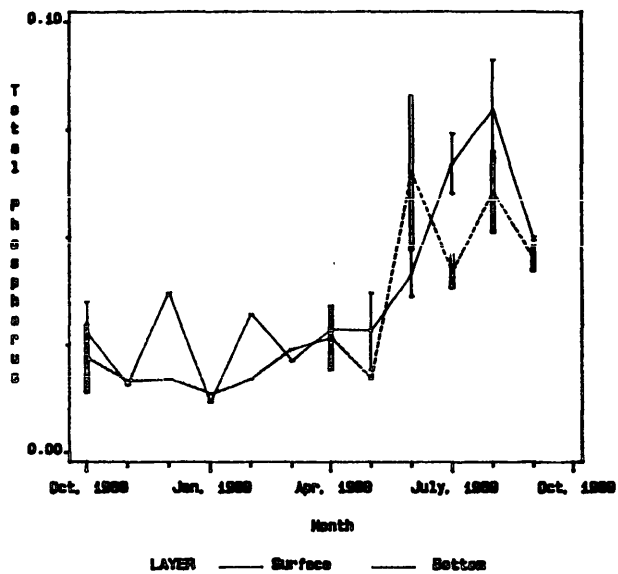
Station Id-CB8.1E



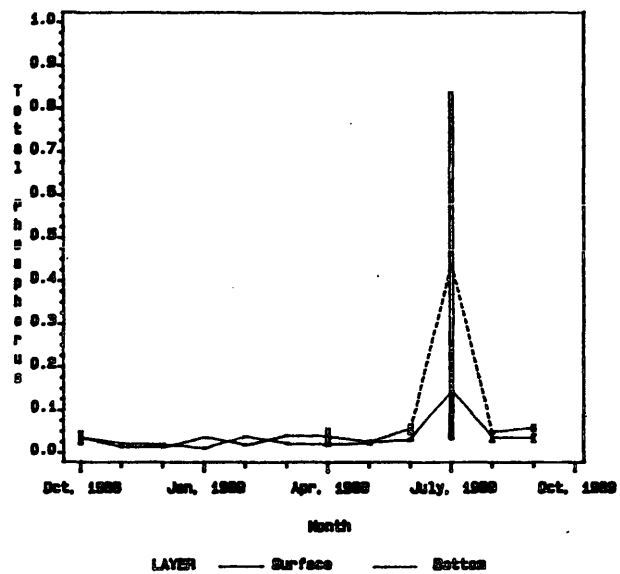
Station Id-CB8.1



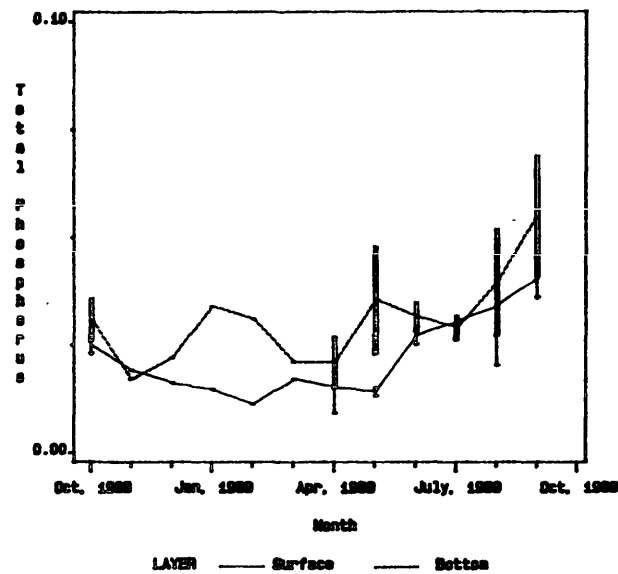
Station Id-C23.1



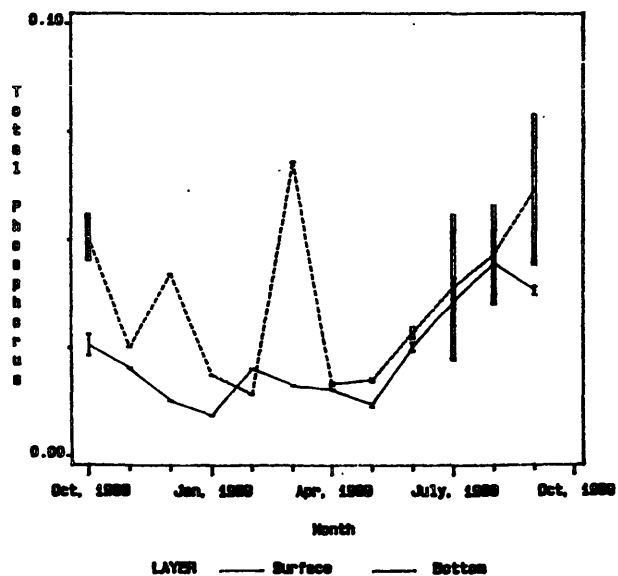
Station Id-C23.2



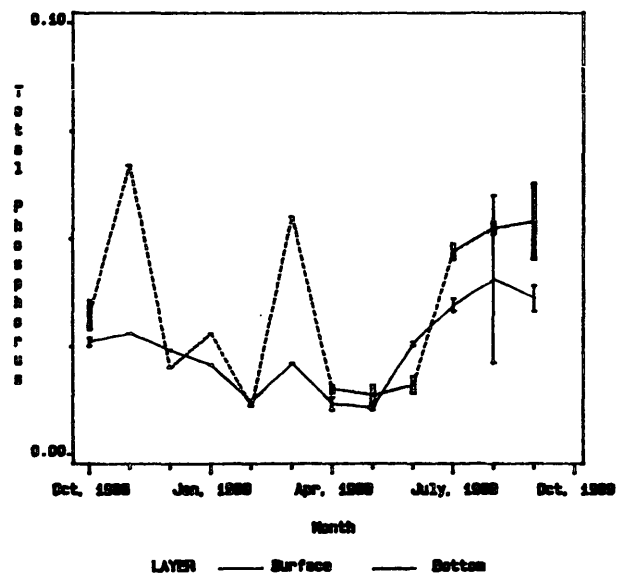
Station Id-C27.1N



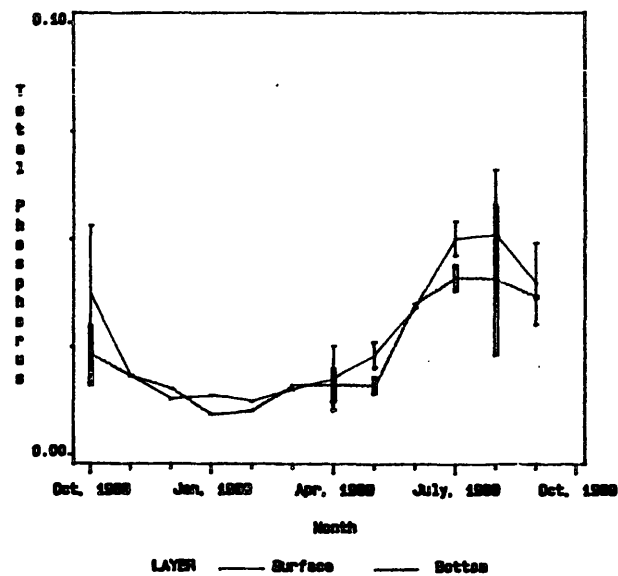
Station Id-C27.1



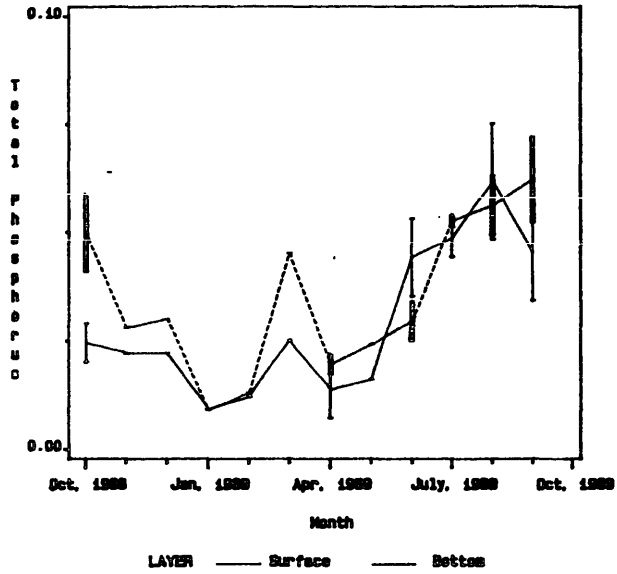
Station Id-C27.1B



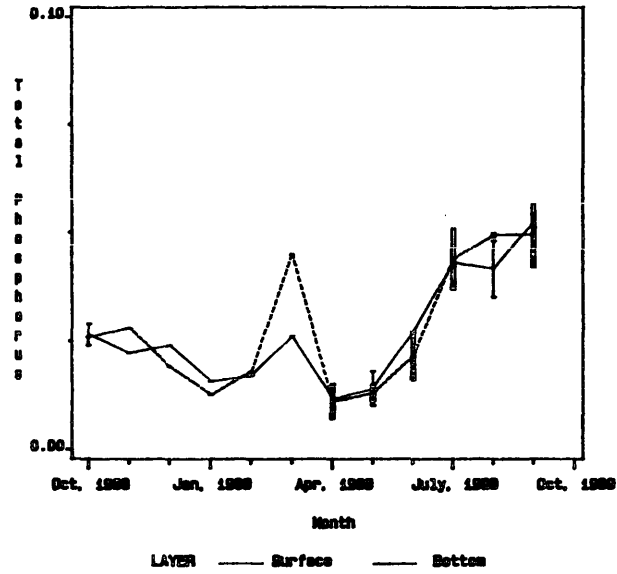
Station Id-C28.4N



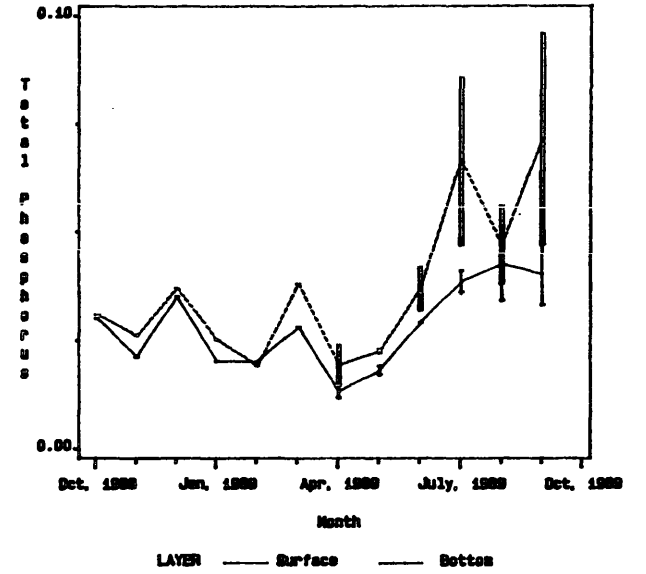
Station Id-CB7.2



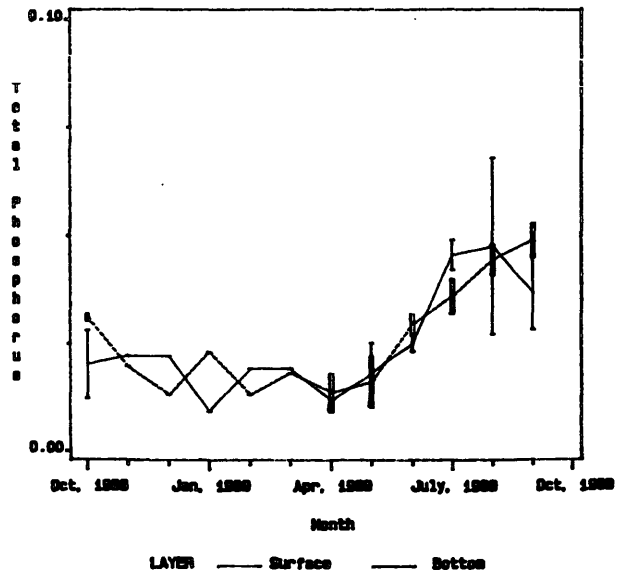
Station Id-CB7.2E



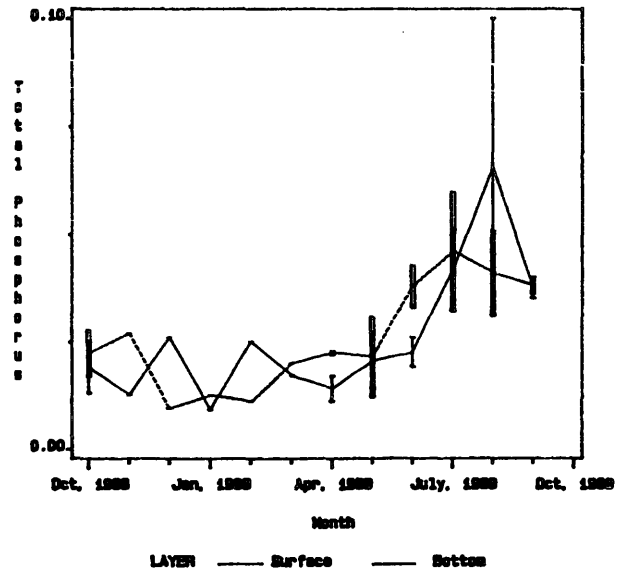
Station Id-CB7.2E



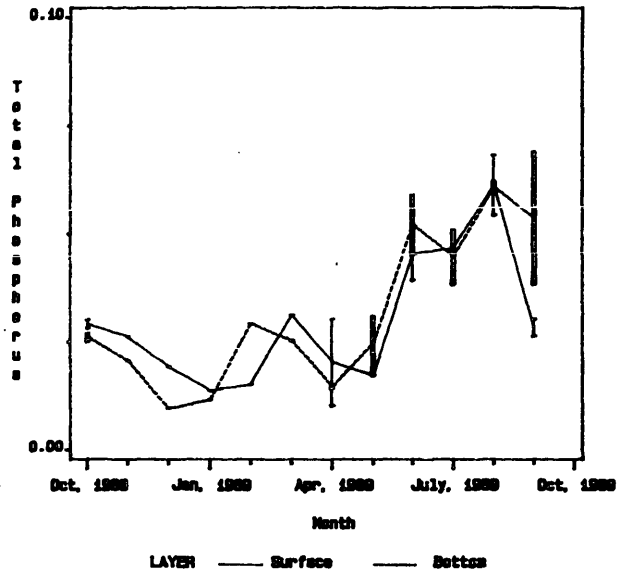
Station Id-LE9.6



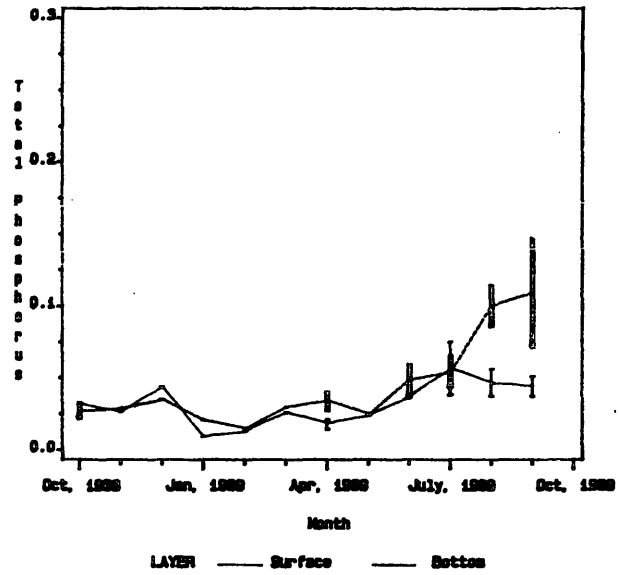
Station Id-LE9.7



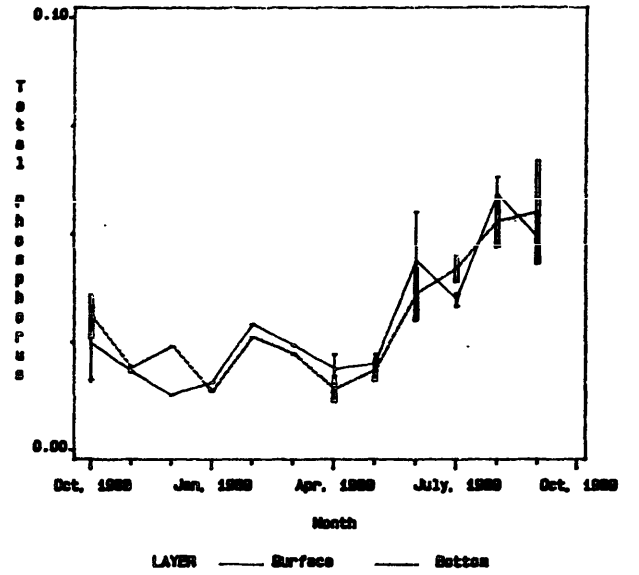
Station Id-ME4.1



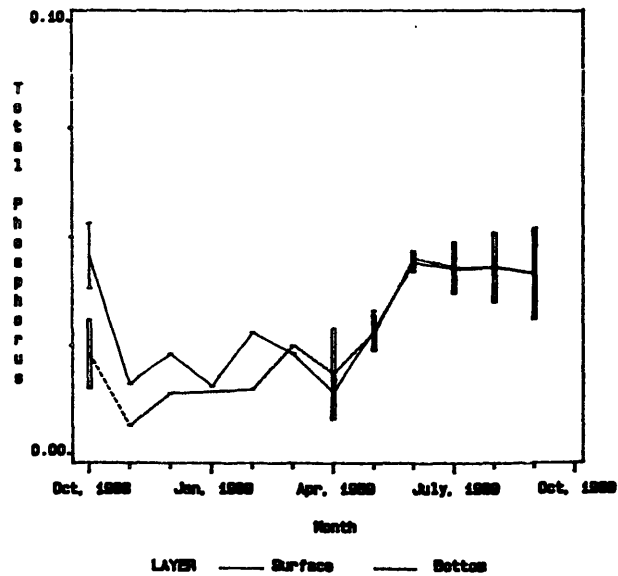
Station Id-ME4.2



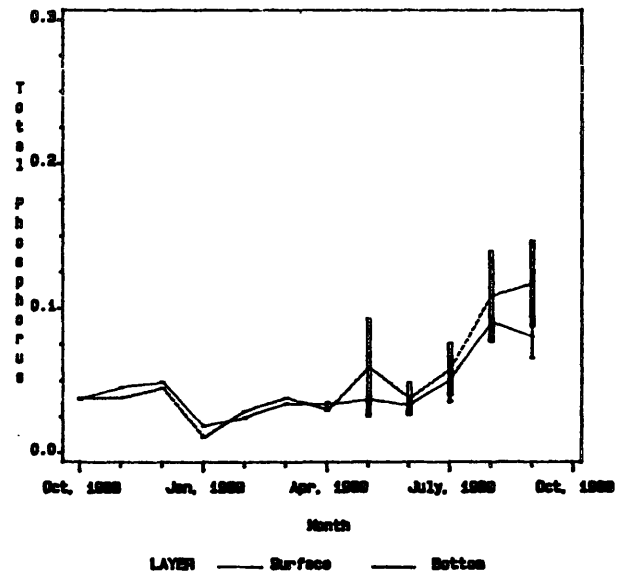
Station Id-ME4.3



Station Id-ME4.4



Station Id-LEB.5



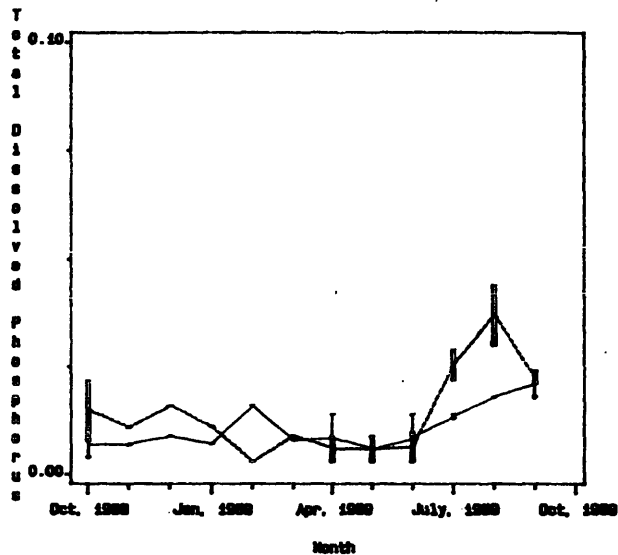
TOTAL DISSOLVED PHOSPHORUS

Values reported as mg/l.

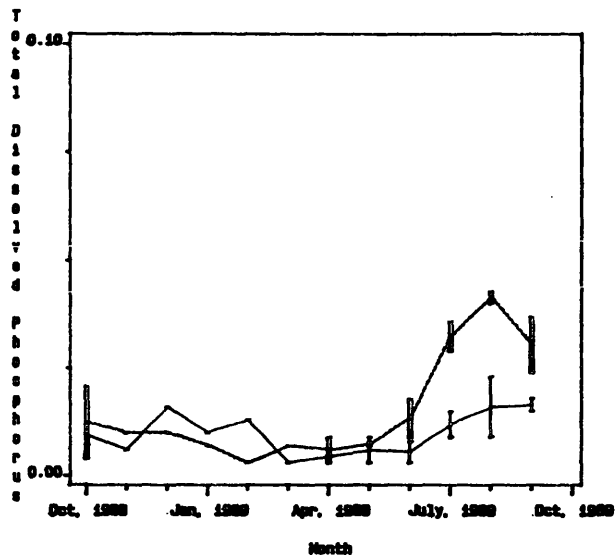
Total Dissolved Phosphorus
October, 1988 - September, 1989

| | Total Dissolved Phosphorus | | | | | |
|-------------|----------------------------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 0.0240 | 0.0112 | 0.0030 | 0.0440 | 0.0151 | 0.0030 |
| CB5.4..... | 0.0230 | 0.0102 | 0.0030 | 0.0430 | 0.0171 | 0.0030 |
| CB5.5..... | 0.0220 | 0.0102 | 0.0030 | 0.0590 | 0.0172 | 0.0030 |
| CB6.1..... | 0.0270 | 0.0107 | 0.0025 | 0.0620 | 0.0176 | 0.0025 |
| CB6.2..... | 0.0250 | 0.0090 | 0.0025 | 0.2520 | 0.0270 | 0.0030 |
| CB6.3..... | 0.0220 | 0.0114 | 0.0025 | 0.0450 | 0.0147 | 0.0030 |
| CB6.4..... | 0.0280 | 0.0122 | 0.0025 | 0.0710 | 0.0223 | 0.0025 |
| CB7.3..... | 0.0300 | 0.0132 | 0.0025 | 0.0440 | 0.0205 | 0.0025 |
| CB7.4..... | 0.0270 | 0.0151 | 0.0025 | 0.0400 | 0.0214 | 0.0080 |
| CB7.4N..... | 0.0220 | 0.0138 | 0.0025 | 0.0270 | 0.0151 | 0.0025 |
| CB8.1E..... | 0.0380 | 0.0152 | 0.0060 | 0.0340 | 0.0223 | 0.0110 |
| CB8.1..... | 0.0430 | 0.0160 | 0.0070 | 0.0600 | 0.0252 | 0.0060 |
| EE3.1..... | 0.0330 | 0.0150 | 0.0025 | 0.0230 | 0.0103 | 0.0025 |
| EE3.2..... | 0.2240 | 0.0221 | 0.0025 | 0.8110 | 0.0532 | 0.0025 |
| CB7.1N..... | 0.0250 | 0.0087 | 0.0030 | 0.0540 | 0.0109 | 0.0030 |
| CB7.1..... | 0.0210 | 0.0084 | 0.0025 | 0.0440 | 0.0125 | 0.0025 |
| CB7.1S..... | 0.0280 | 0.0103 | 0.0030 | 0.0550 | 0.0182 | 0.0030 |
| CB5.4W..... | 0.0260 | 0.0106 | 0.0030 | 0.0260 | 0.0080 | 0.0025 |
| CB7.2..... | 0.0450 | 0.0130 | 0.0025 | 0.0390 | 0.0180 | 0.0025 |
| CB7.2E..... | 0.0330 | 0.0116 | 0.0030 | 0.0460 | 0.0175 | 0.0030 |
| CB7.3E..... | 0.0270 | 0.0126 | 0.0025 | 0.0450 | 0.0197 | 0.0025 |
| LE3.6..... | 0.0280 | 0.0097 | 0.0025 | 0.0210 | 0.0092 | 0.0025 |
| LE3.7..... | 0.0630 | 0.0119 | 0.0025 | 0.0210 | 0.0098 | 0.0025 |
| WE4.1..... | 0.0270 | 0.0118 | 0.0030 | 0.0460 | 0.0140 | 0.0025 |
| WE4.2..... | 0.0450 | 0.0174 | 0.0025 | 0.1170 | 0.0271 | 0.0025 |
| WE4.3..... | 0.0210 | 0.0130 | 0.0055 | 0.0210 | 0.0117 | 0.0030 |
| WE4.4..... | 0.0230 | 0.0119 | 0.0030 | 0.0400 | 0.0121 | 0.0025 |
| LE5.5..... | 0.0780 | 0.0274 | 0.0060 | 0.0550 | 0.0269 | 0.0070 |

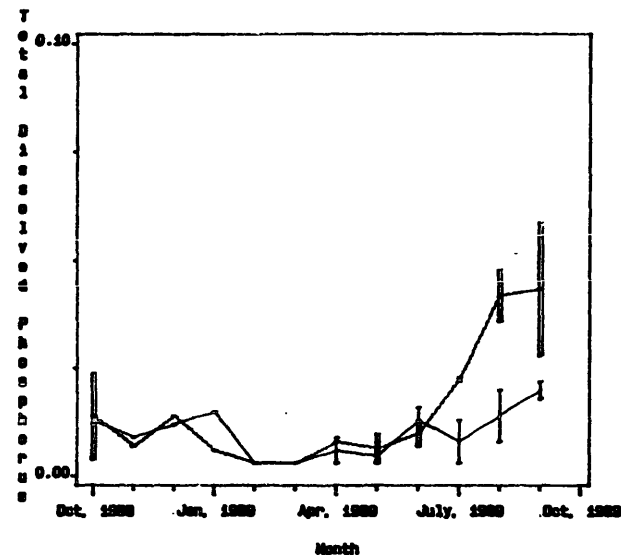
Station Id-CBS.3



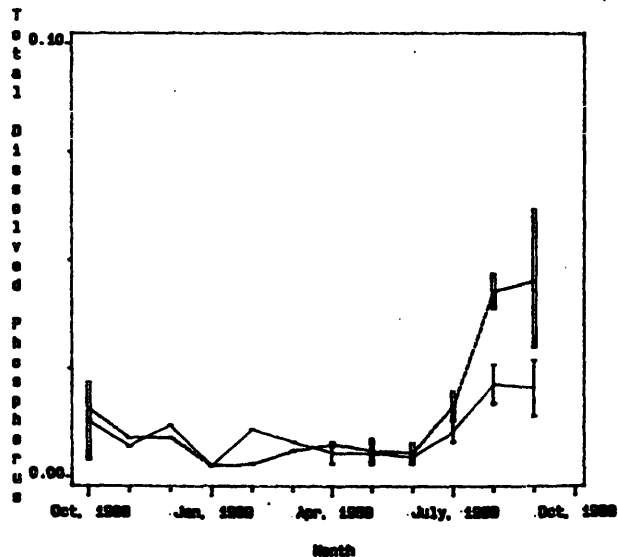
Station Id-CBS.4



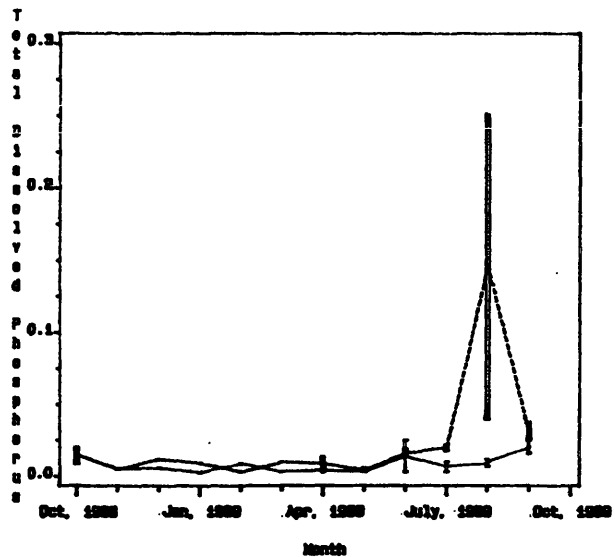
Station Id-CBS.5



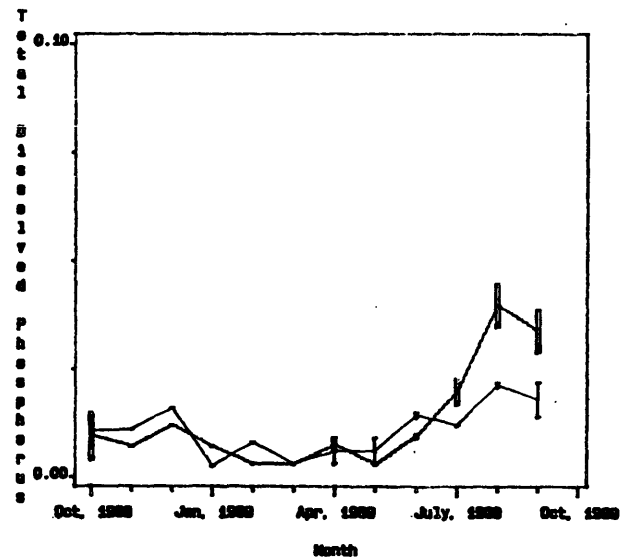
Station Id-CBS.1



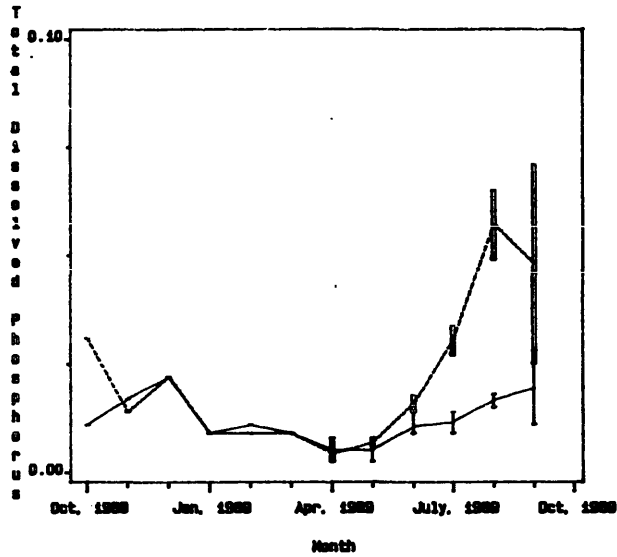
Station Id-CBS.2



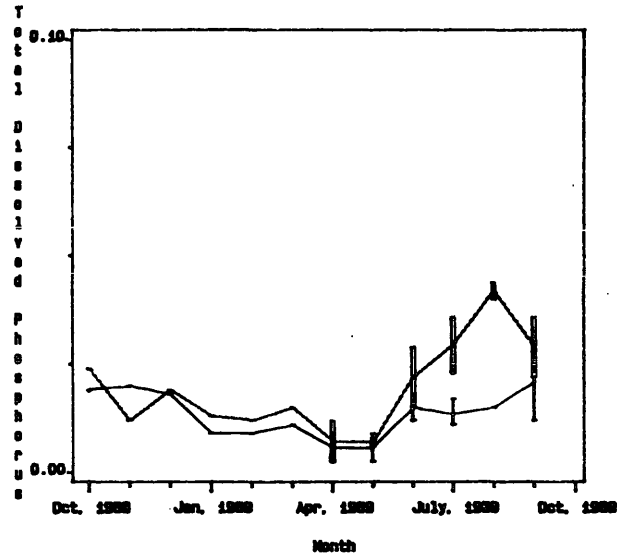
Station Id-CBS.3



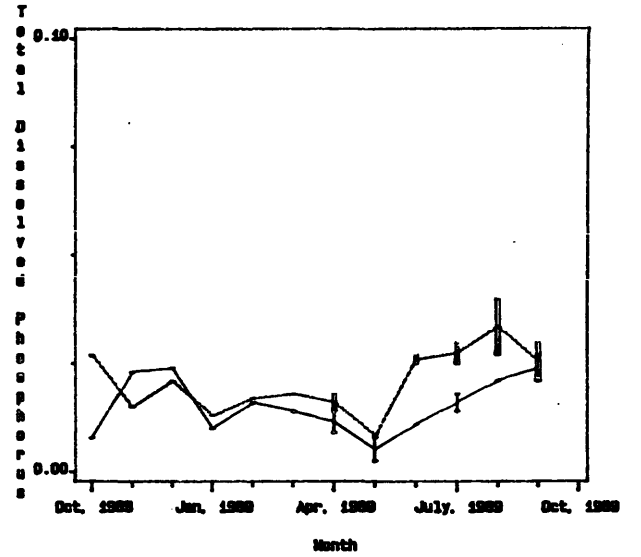
Station Id-CE6.4



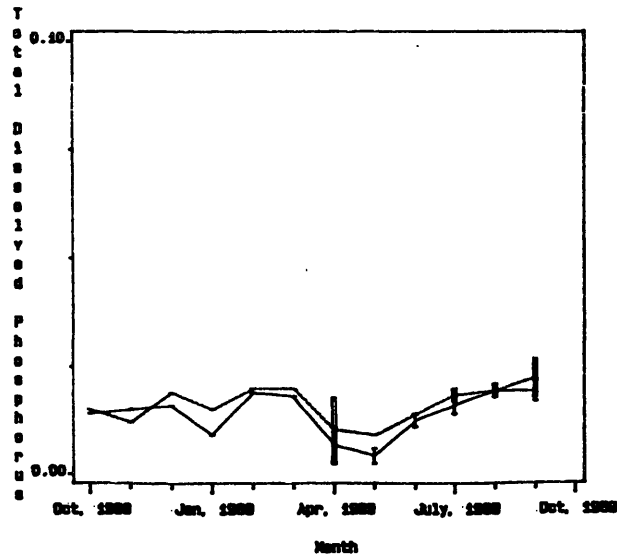
Station Id-CE7.3



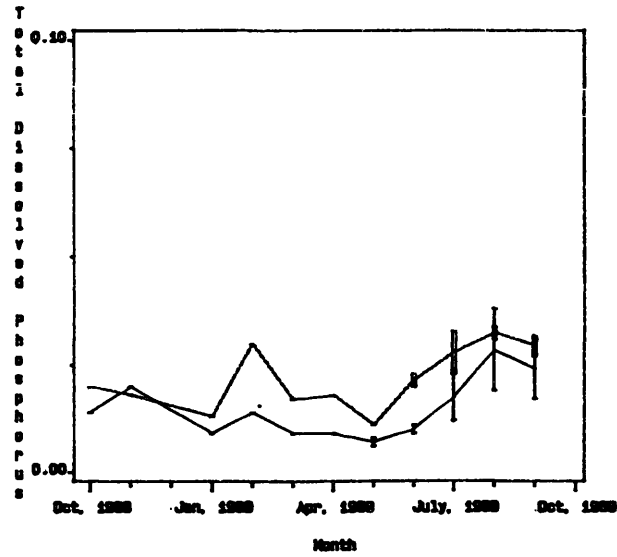
Station Id-CE7.4



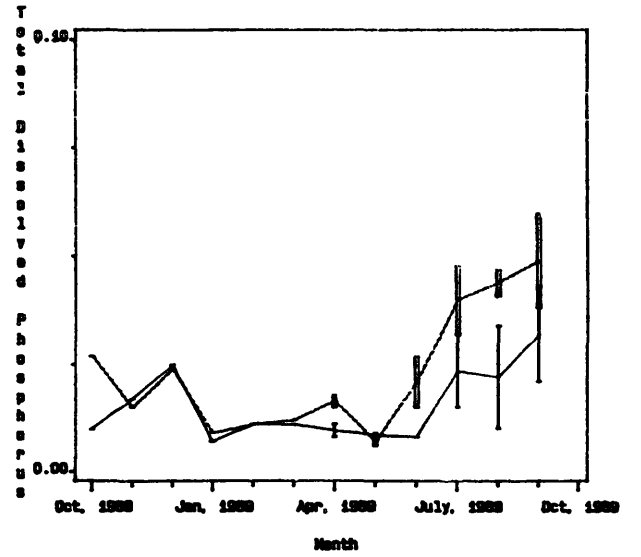
Station Id-CE7.4N



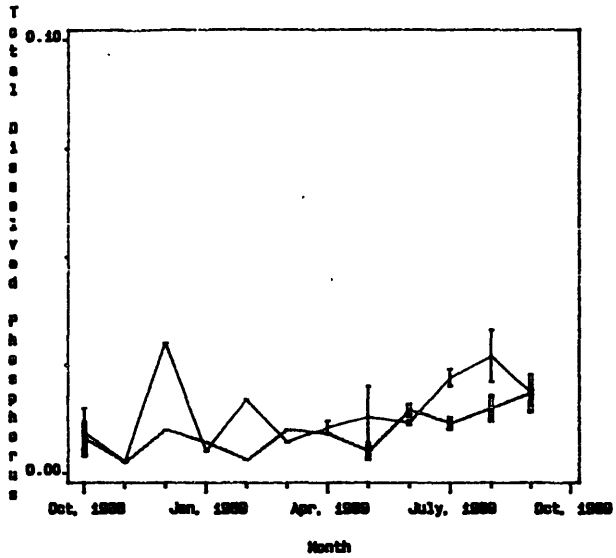
Station Id-CE8.1E



Station Id-CE8.1

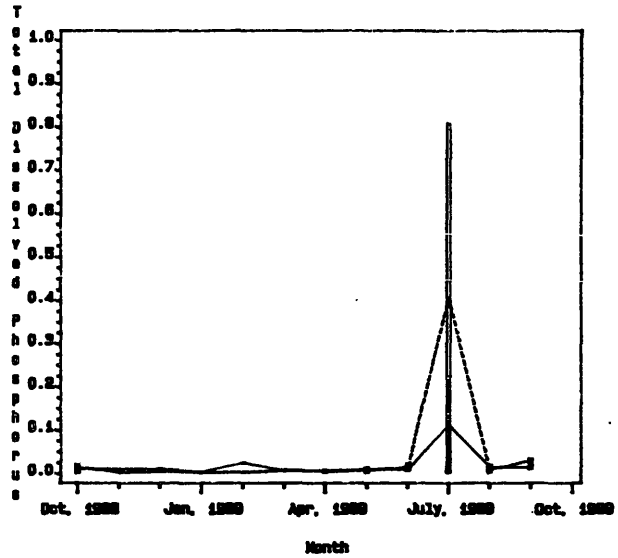


Station Id-CE5.1



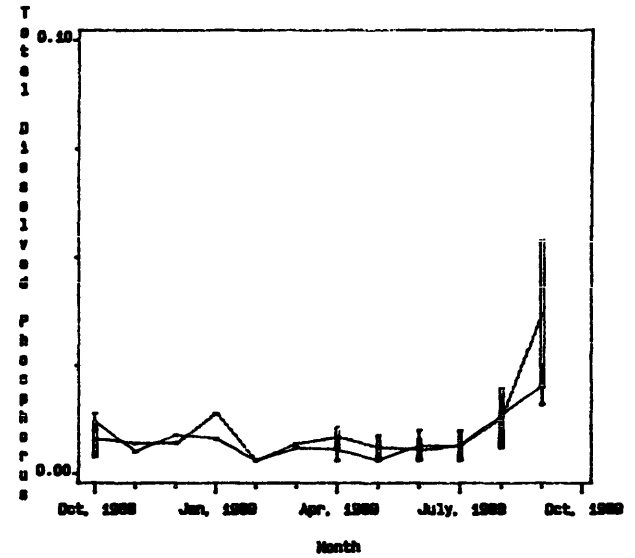
LAYER — Surface — Bottom

Station Id-CE5.2



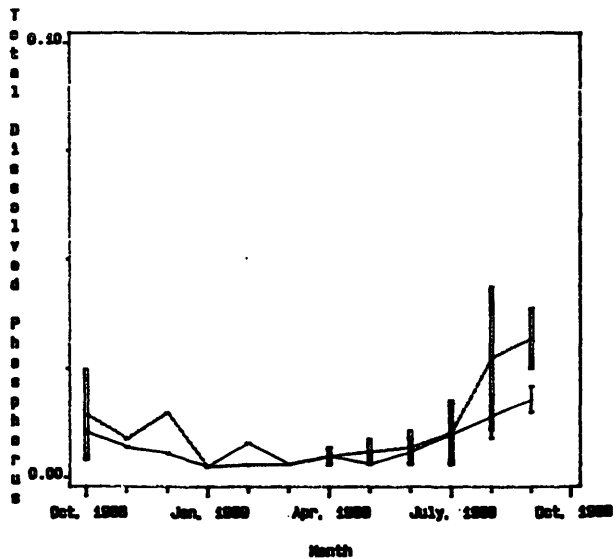
LAYER — Surface — Bottom

Station Id-CE7.1N



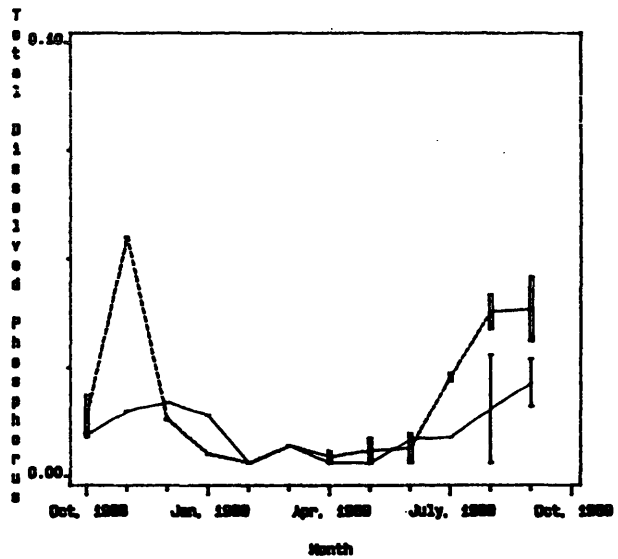
LAYER — Surface — Bottom

Station Id-CE7.1



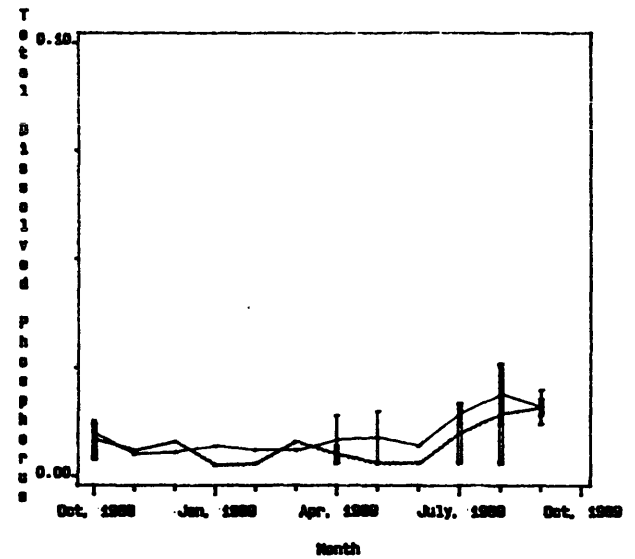
LAYER — Surface — Bottom

Station Id-CE7.1S



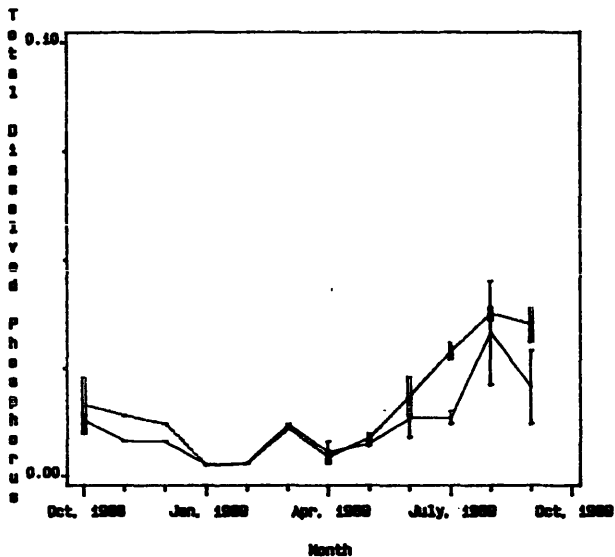
LAYER — Surface — Bottom

Station Id-CE5.4N



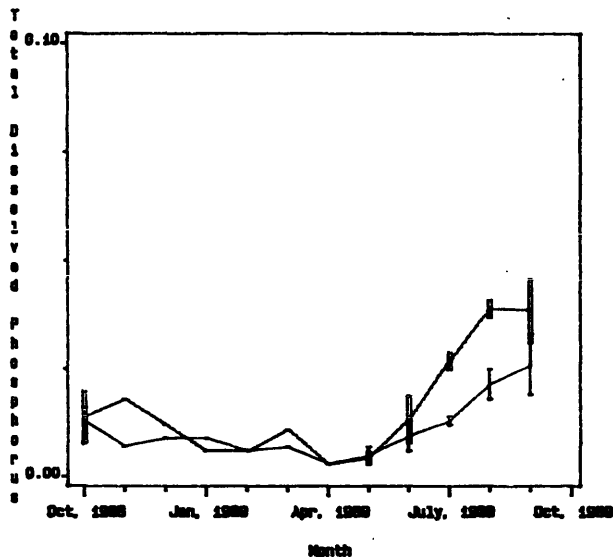
LAYER — Surface — Bottom

Station Id-CE7.2



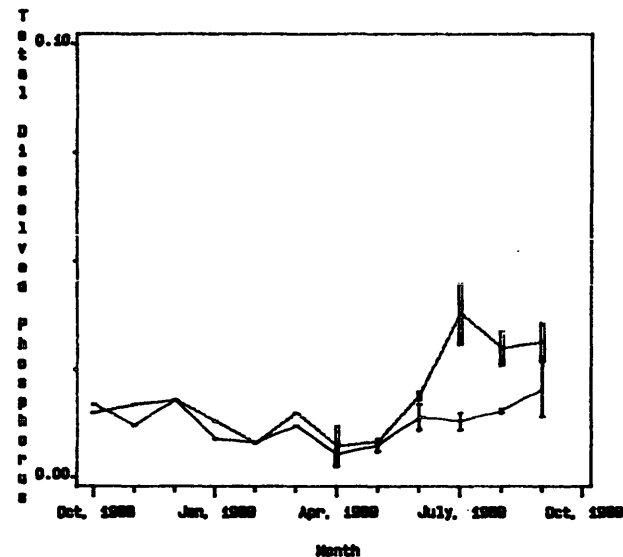
LAYER — Surface — Bottom

Station Id-CE7.2E



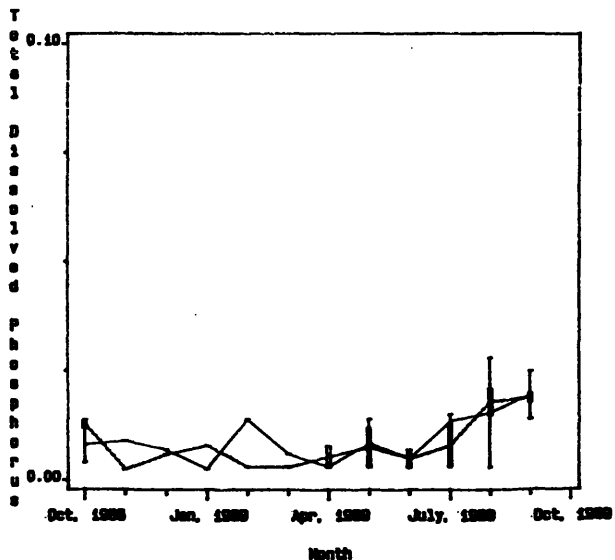
LAYER — Surface — Bottom

Station Id-CE7.2E



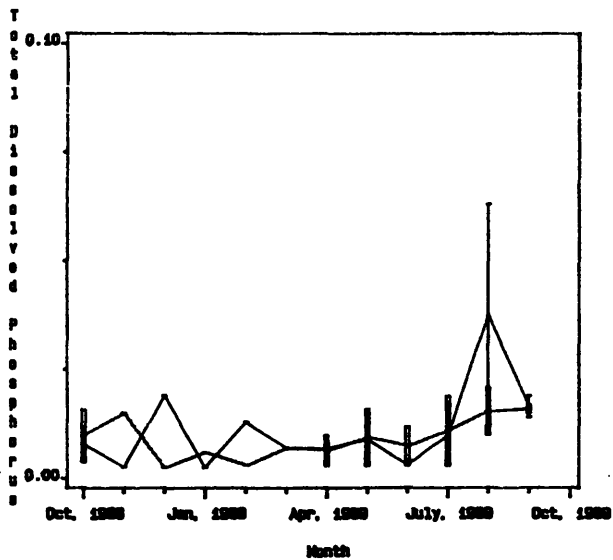
LAYER — Surface — Bottom

Station Id-LE3.6



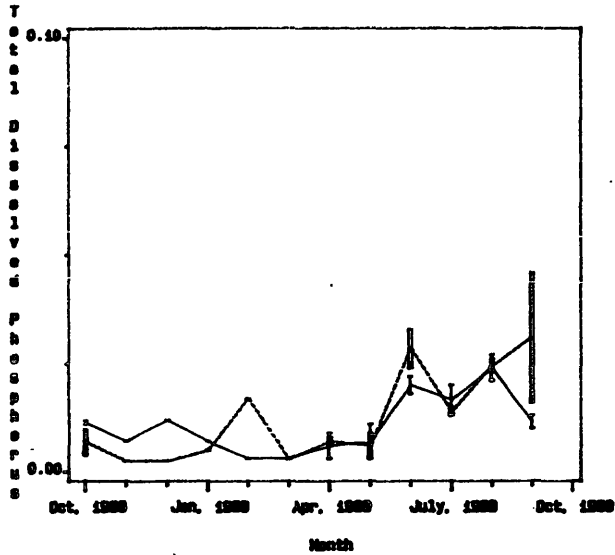
LAYER — Surface — Bottom

Station Id-LE3.7

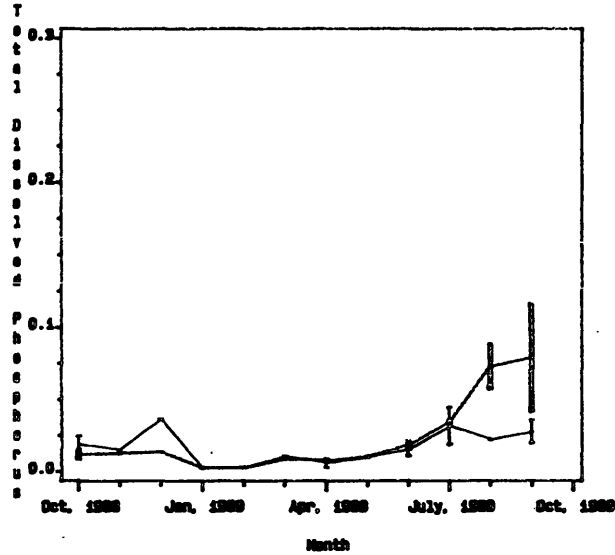


LAYER — Surface — Bottom

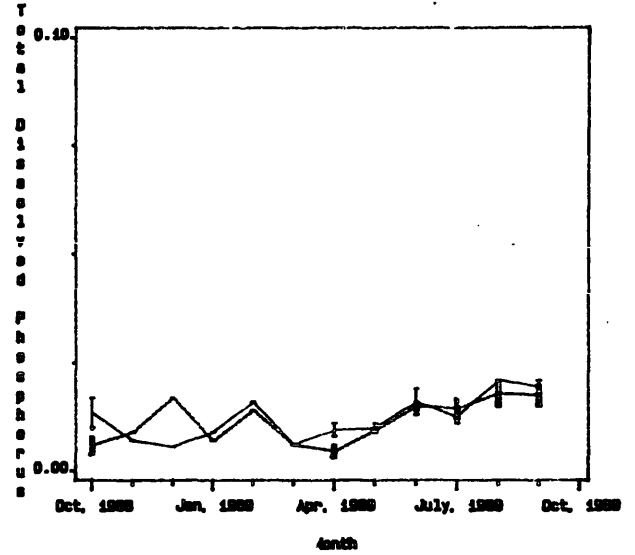
Station Id-ME4.1



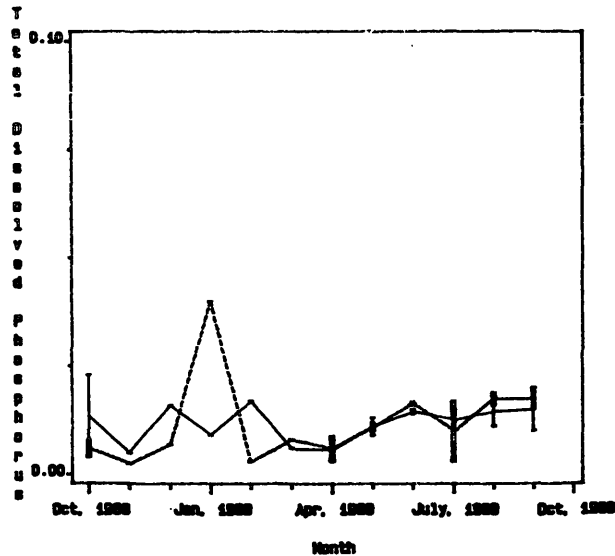
Station Id-ME4.2



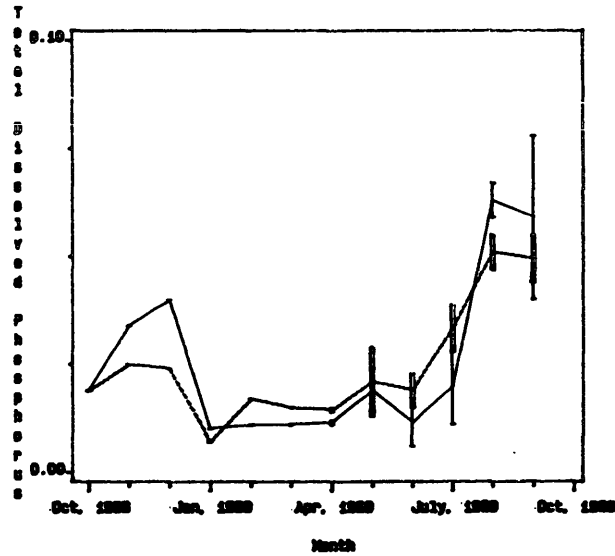
Station Id-ME4.3



Station Id-ME4.4



Station Id-LE5.5



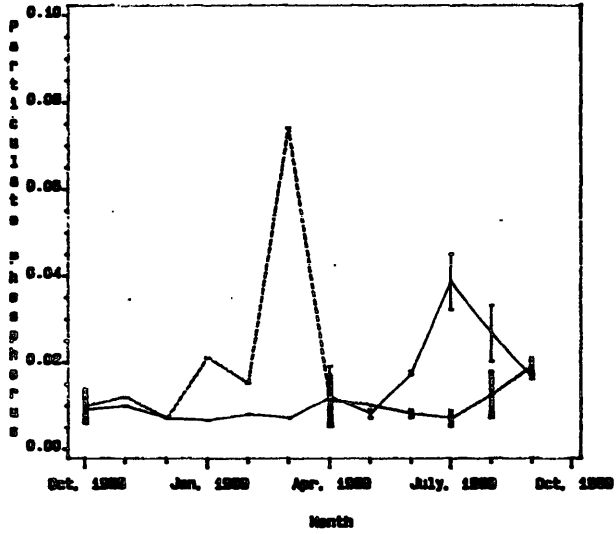
PARTICULATE PHOSPHORUS

Values reported as mg/l.

Particulate Phosphorus
October, 1988 - September, 1989

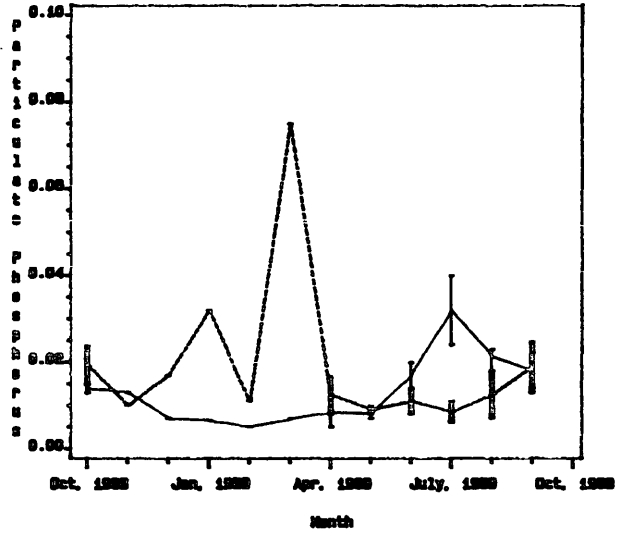
| | Particulate Phosphorus | | | | | |
|-------------|------------------------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 0.0450 | 0.0155 | 0.0050 | 0.0740 | 0.0149 | 0.0050 |
| CB5.4..... | 0.0400 | 0.0149 | 0.0050 | 0.0750 | 0.0173 | 0.0060 |
| CB5.5..... | 0.0420 | 0.0155 | 0.0060 | 0.0610 | 0.0184 | 0.0070 |
| CB6.1..... | 0.0370 | 0.0167 | 0.0050 | 0.0260 | 0.0130 | 0.0050 |
| CB6.2..... | 0.0340 | 0.0168 | 0.0050 | 0.0590 | 0.0179 | 0.0060 |
| CB6.3..... | 0.0460 | 0.0186 | 0.0050 | 0.0440 | 0.0193 | 0.0080 |
| CB6.4..... | 0.0440 | 0.0179 | 0.0035 | 0.0280 | 0.0148 | 0.0090 |
| CB7.3..... | 0.0370 | 0.0161 | 0.0080 | 0.0390 | 0.0169 | 0.0090 |
| CB7.4..... | 0.0250 | 0.0133 | 0.0035 | 0.0450 | 0.0154 | 0.0035 |
| CB7.4N..... | 0.0230 | 0.0135 | 0.0035 | 0.1720 | 0.0318 | 0.0035 |
| CB8.1E..... | 0.0320 | 0.0159 | 0.0035 | 0.0530 | 0.0176 | 0.0035 |
| CB8.1..... | 0.0350 | 0.0167 | 0.0035 | 0.0470 | 0.0212 | 0.0035 |
| EE3.1..... | 0.0580 | 0.0250 | 0.0065 | 0.0700 | 0.0244 | 0.0065 |
| EE3.2..... | 0.0330 | 0.0174 | 0.0065 | 0.0600 | 0.0270 | 0.0070 |
| CB7.1N..... | 0.0300 | 0.0149 | 0.0060 | 0.0450 | 0.0212 | 0.0090 |
| CB7.1..... | 0.0430 | 0.0162 | 0.0065 | 0.0650 | 0.0237 | 0.0090 |
| CB7.1S..... | 0.0320 | 0.0147 | 0.0065 | 0.0480 | 0.0156 | 0.0070 |
| CB5.4W..... | 0.0410 | 0.0195 | 0.0060 | 0.0350 | 0.0174 | 0.0065 |
| CB7.2..... | 0.0440 | 0.0184 | 0.0040 | 0.0490 | 0.0194 | 0.0065 |
| CB7.2E..... | 0.0350 | 0.0167 | 0.0050 | 0.0340 | 0.0116 | 0.0040 |
| CB7.3E..... | 0.0350 | 0.0160 | 0.0035 | 0.0600 | 0.0194 | 0.0090 |
| LE3.6..... | 0.0400 | 0.0166 | 0.0050 | 0.0350 | 0.0185 | 0.0060 |
| LE3.7..... | 0.0370 | 0.0160 | 0.0050 | 0.0410 | 0.0186 | 0.0065 |
| WE4.1..... | 0.0410 | 0.0204 | 0.0065 | 0.0390 | 0.0200 | 0.0065 |
| WE4.2..... | 0.0340 | 0.0157 | 0.0060 | 0.0380 | 0.0223 | 0.0060 |
| WE4.3..... | 0.0420 | 0.0184 | 0.0060 | 0.0470 | 0.0200 | 0.0065 |
| WE4.4..... | 0.0490 | 0.0209 | 0.0065 | 0.0340 | 0.0197 | 0.0040 |
| LE5.5..... | 0.0370 | 0.0199 | 0.0080 | 0.0930 | 0.0296 | 0.0035 |

Station Id-CBS.3



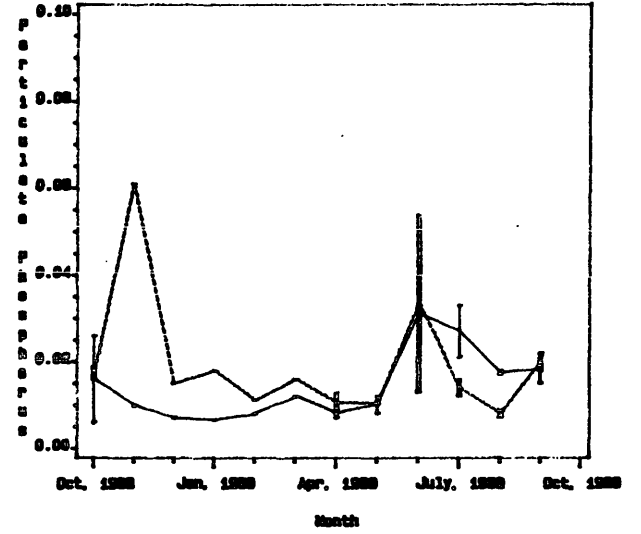
LAYER — Surface — Bottom

Station Id-CBS.4



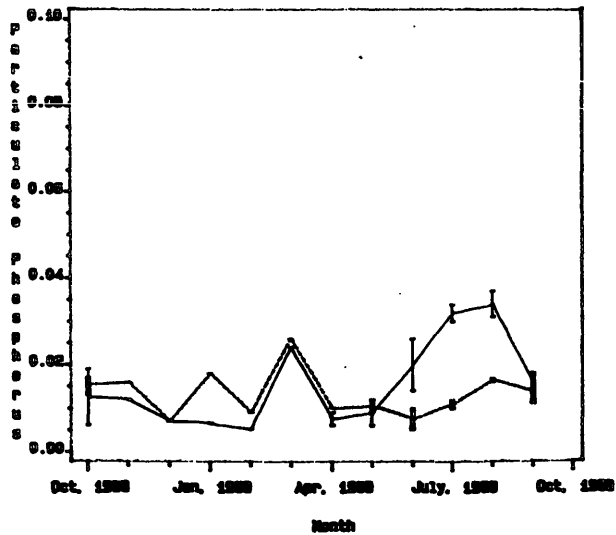
LAYER — Surface — Bottom

Station Id-CBS.5



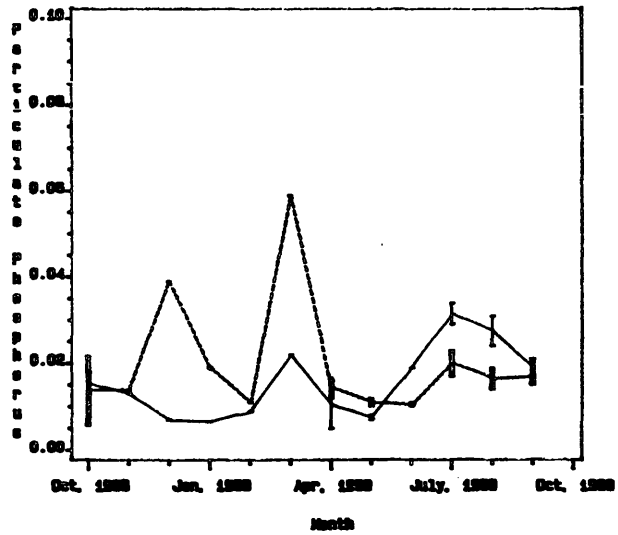
LAYER — Surface — Bottom

Station Id-CBS.1



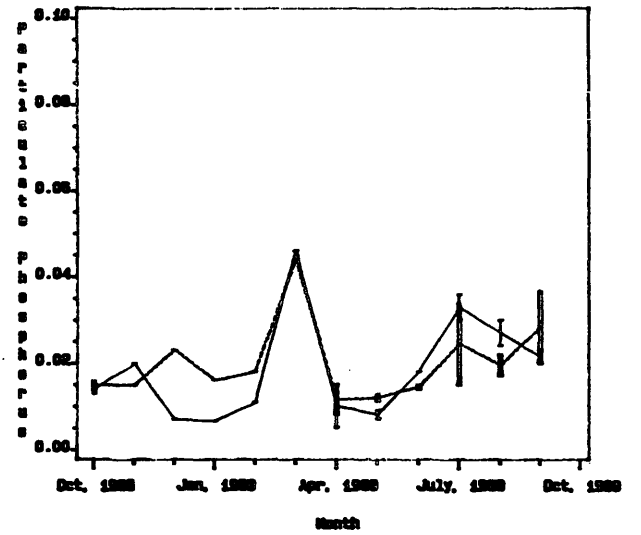
LAYER — Surface — Bottom

Station Id-CBS.2



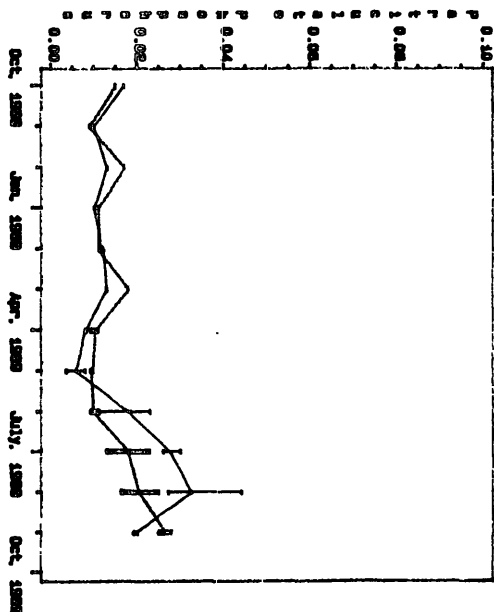
LAYER — Surface — Bottom

Station Id-CBS.3

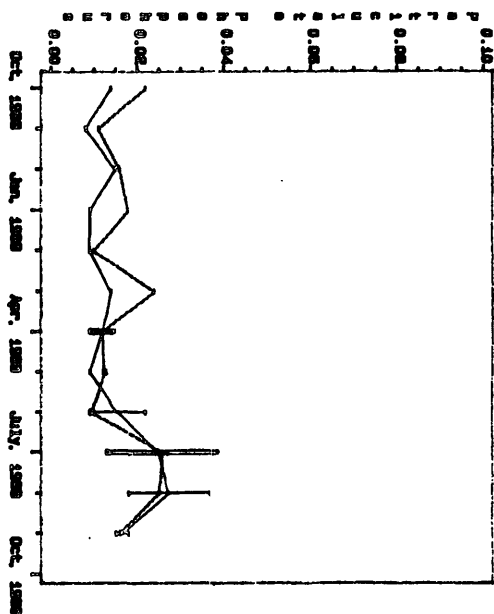


LAYER — Surface — Bottom

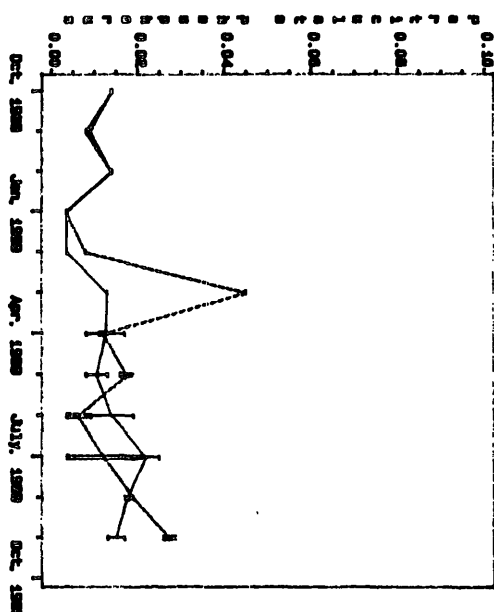
Section 12-028.4



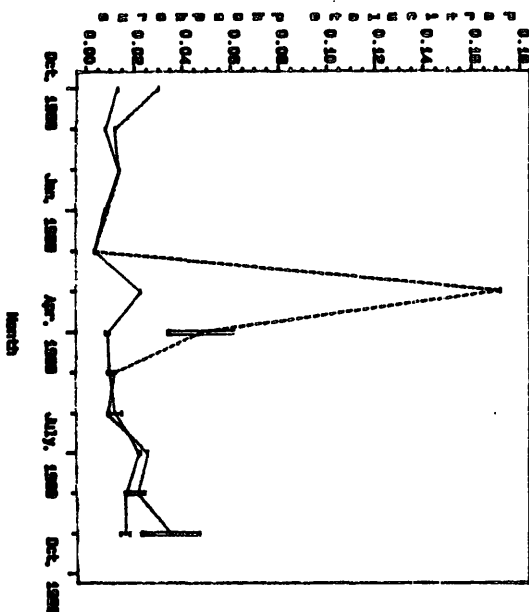
Section 12-028.3



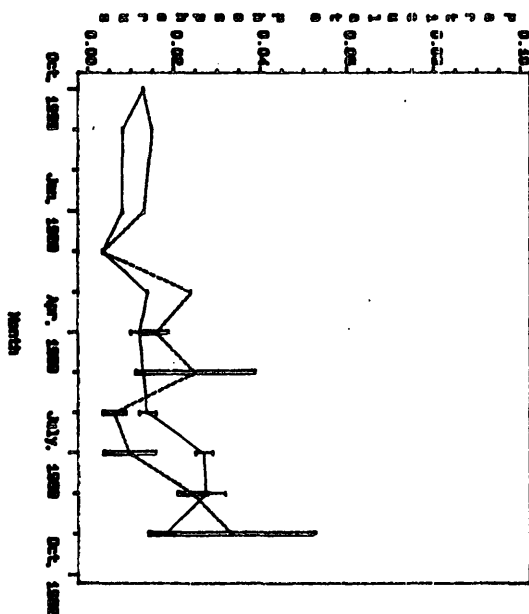
Section 12-027.4



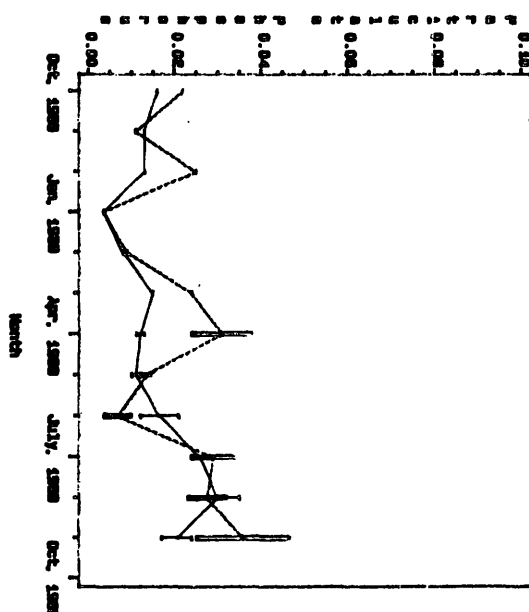
Section 12-027.4M



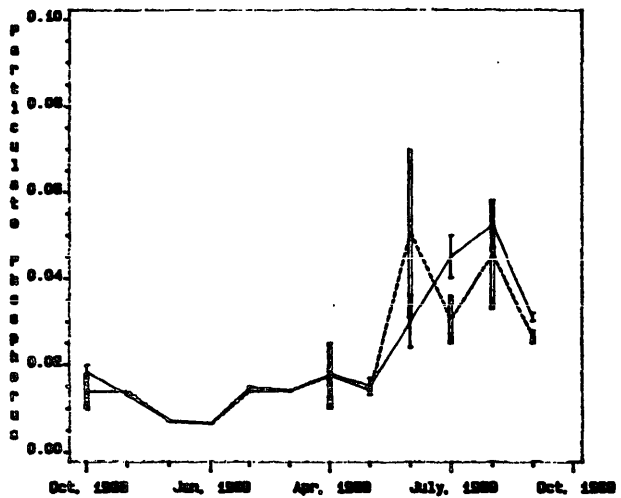
Section 12-028.1E



Section 12-028.1

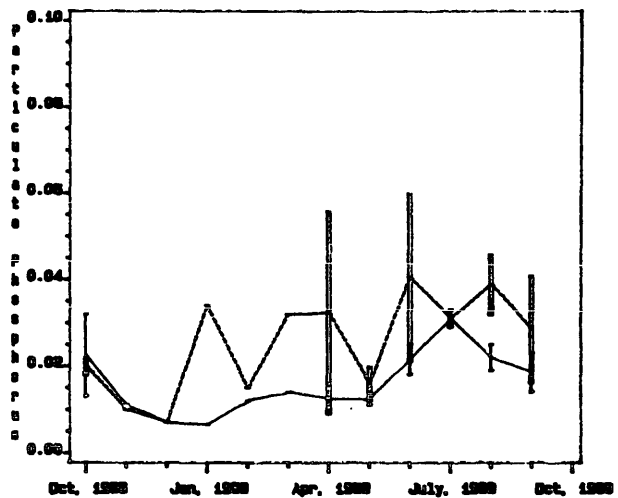


Station Id-029.1



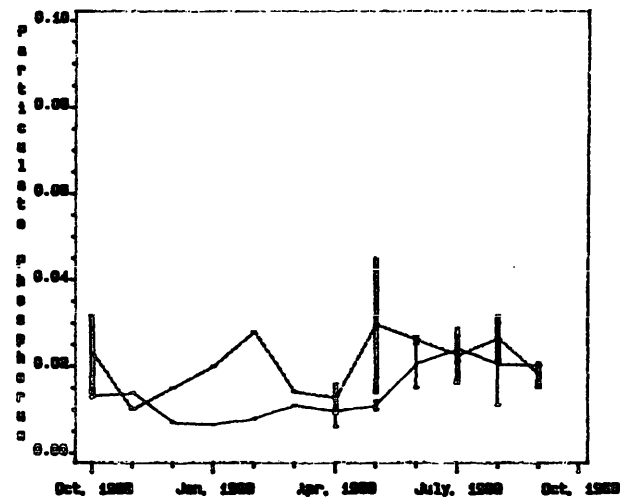
Month
LAYER — Surface — Bottom

Station Id-029.2



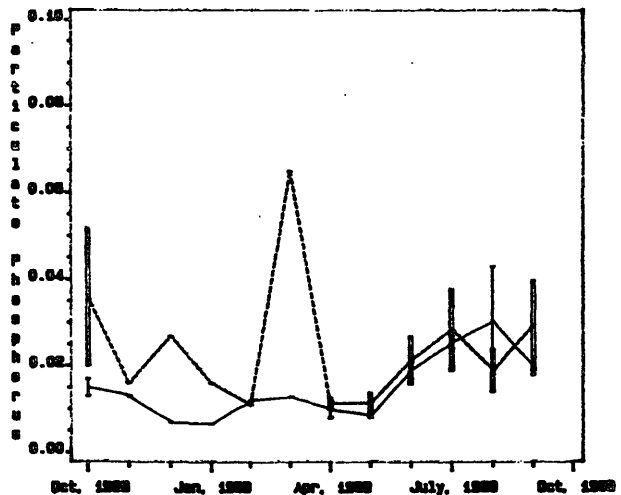
Month
LAYER — Surface — Bottom

Station Id-027.1N



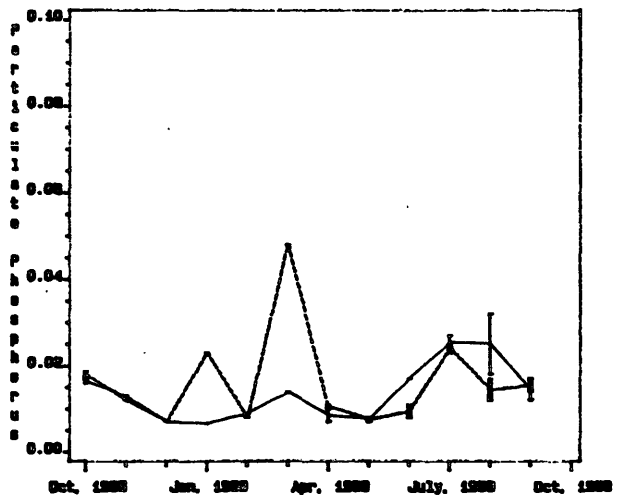
Month
LAYER — Surface — Bottom

Station Id-027.1



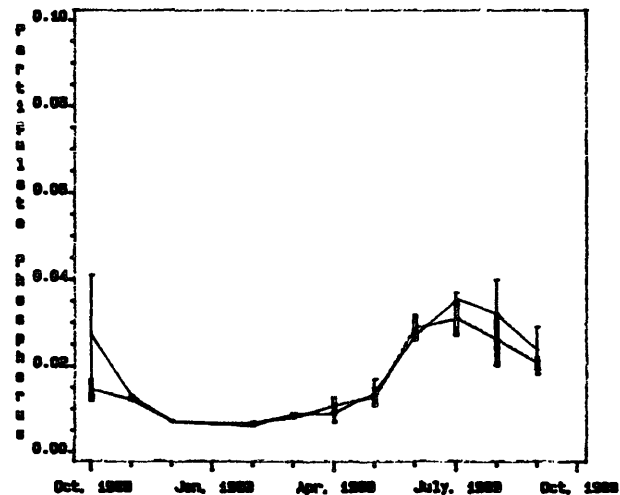
Month
LAYER — Surface — Bottom

Station Id-027.1S



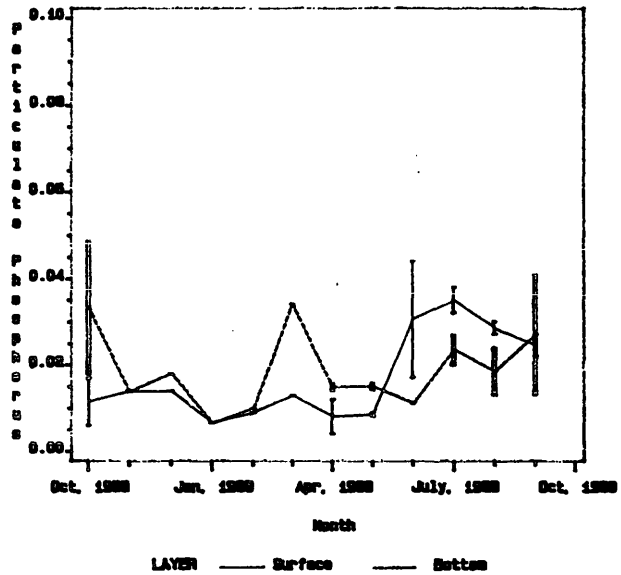
Month
LAYER — Surface — Bottom

Station Id-029.4I

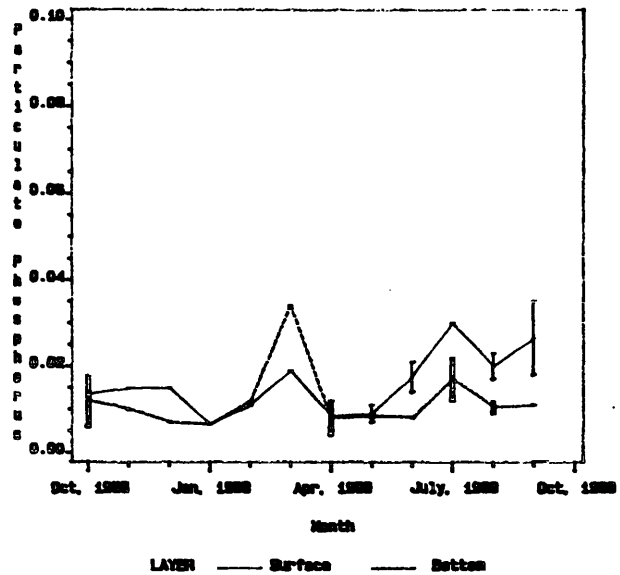


Month
LAYER — Surface — Bottom

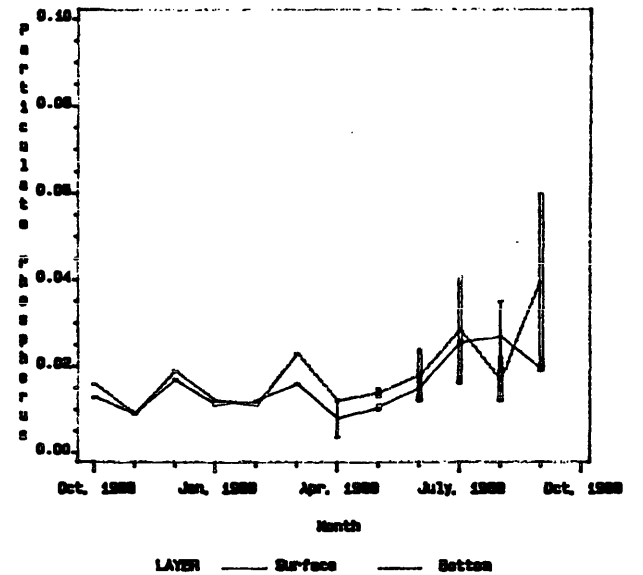
Station Id-CH7.1



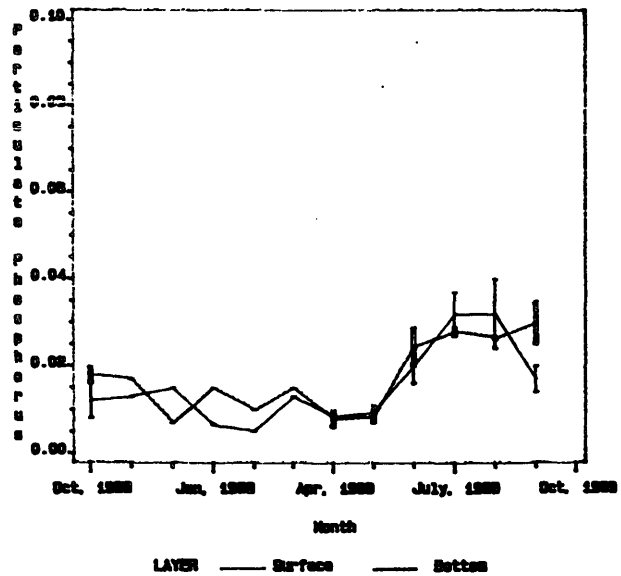
Station Id-CH7.2E



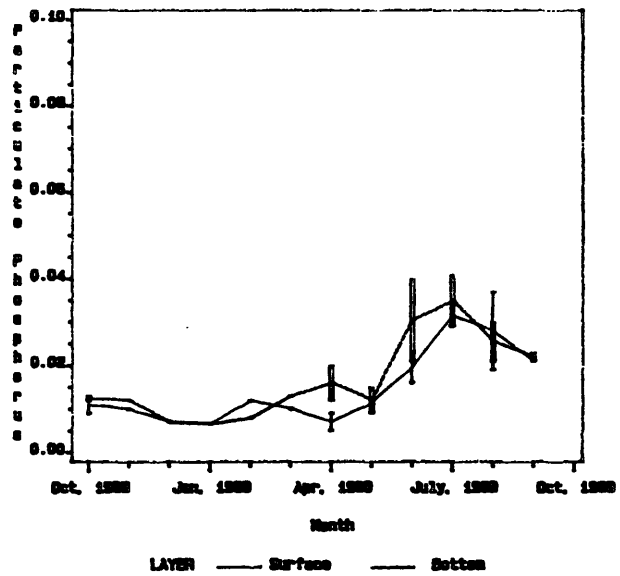
Station Id-CH7.2E



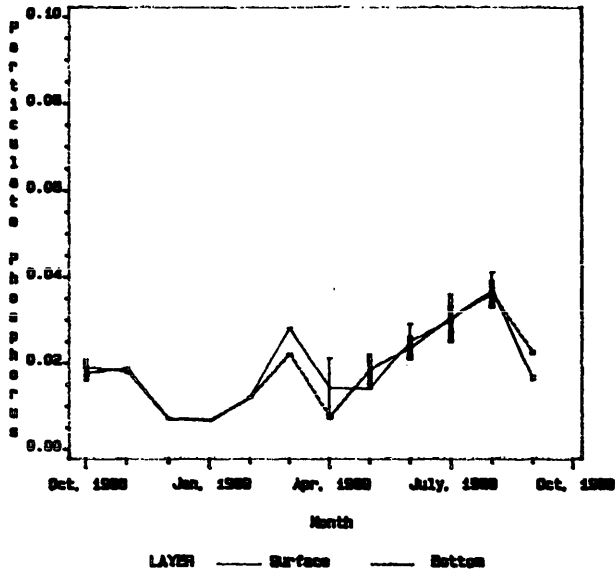
Station Id-LES.6



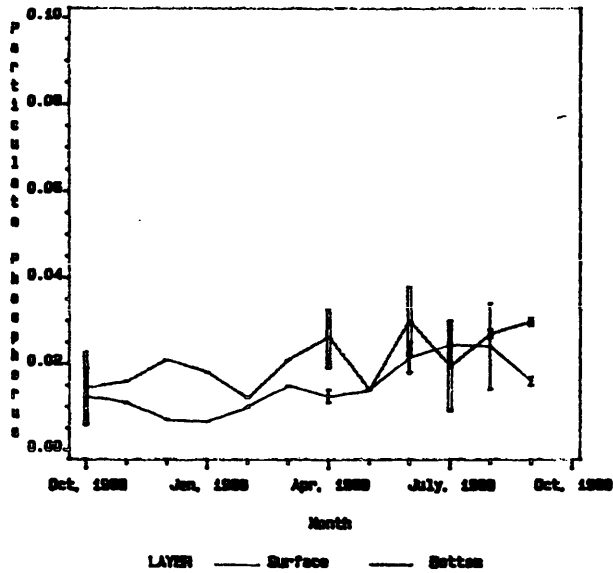
Station Id-LES.7



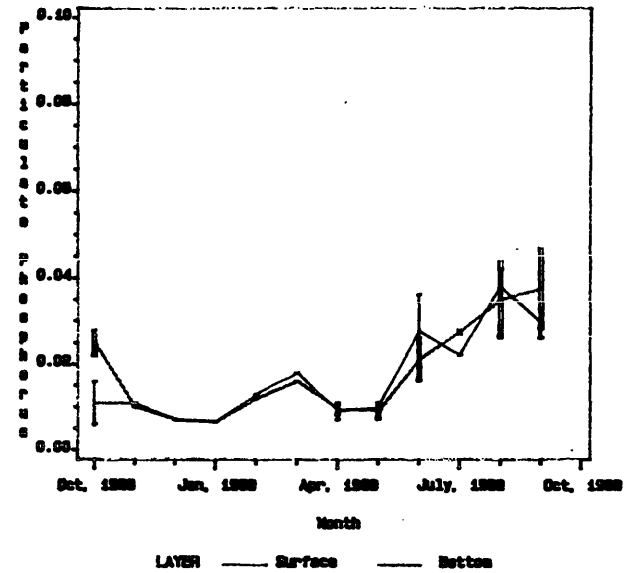
Station Id-ME4.1



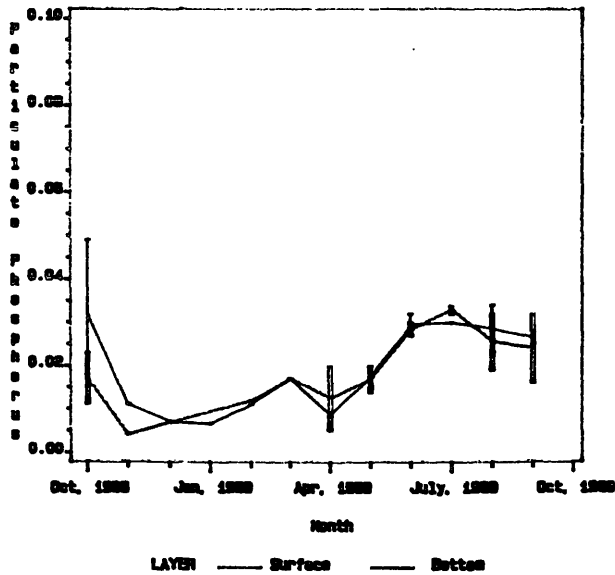
Station Id-ME4.2



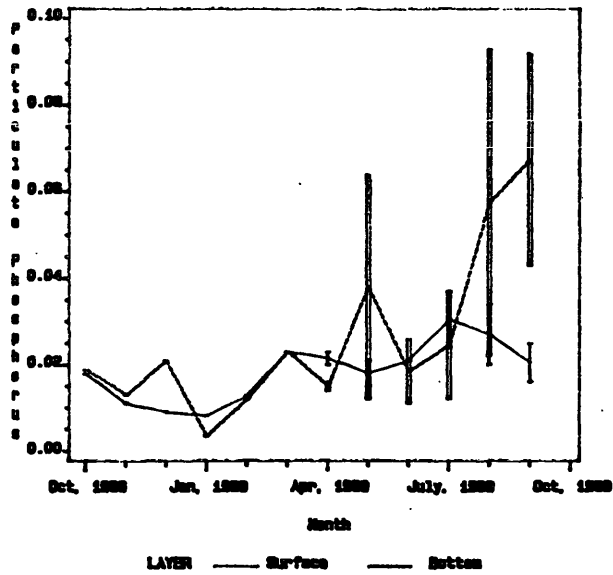
Station Id-ME4.3



Station Id-ME4.4



Station Id-LE4.5



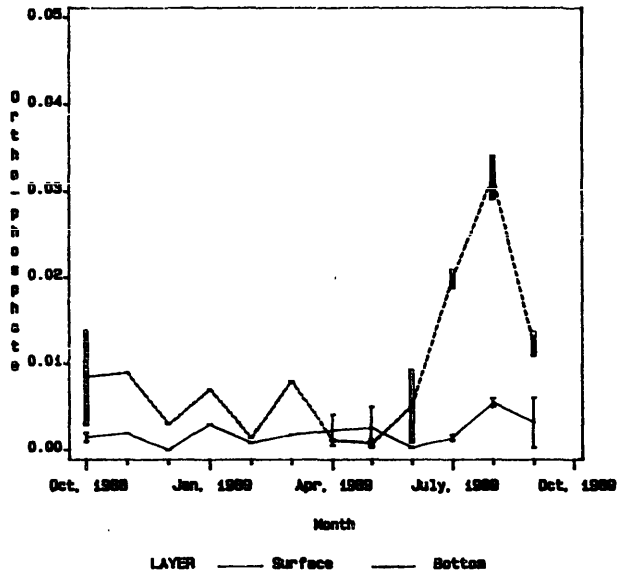
ORTHO-PHOSPHATE

Values reported as mg/l.

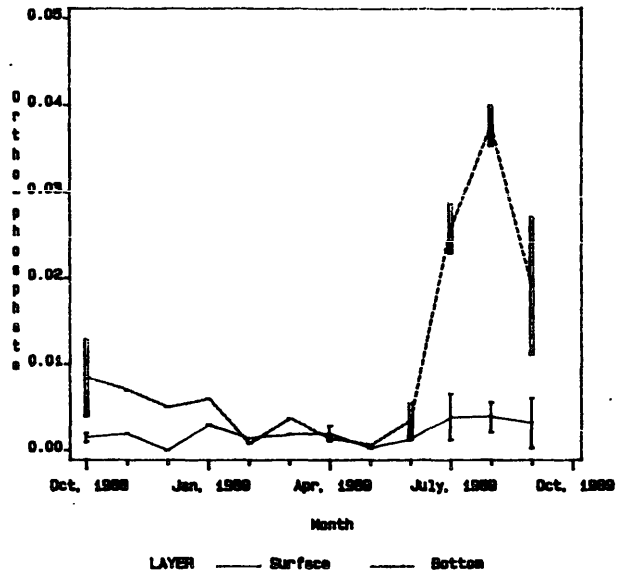
Ortho-phosphate
October, 1988 - September, 1989

| | Ortho-phosphate | | | | | |
|-------------|-----------------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 0.0061 | 0.0023 | 0.0000 | 0.0341 | 0.0098 | 0.0002 |
| CB5.4..... | 0.0066 | 0.0022 | 0.0000 | 0.0400 | 0.0114 | 0.0006 |
| CB5.5..... | 0.0134 | 0.0034 | 0.0000 | 0.0409 | 0.0115 | 0.0002 |
| CB6.1..... | 0.0143 | 0.0034 | 0.0000 | 0.0506 | 0.0131 | 0.0002 |
| CB6.2..... | 0.0137 | 0.0027 | 0.0000 | 0.0392 | 0.0104 | 0.0002 |
| CB6.3..... | 0.0149 | 0.0033 | 0.0002 | 0.0362 | 0.0108 | 0.0002 |
| CB6.4..... | 0.0090 | 0.0016 | 0.0002 | 0.0240 | 0.0039 | 0.0002 |
| CB7.3..... | 0.0180 | 0.0025 | 0.0002 | 0.0180 | 0.0034 | 0.0002 |
| CB7.4..... | 0.0130 | 0.0028 | 0.0002 | 0.0220 | 0.0038 | 0.0006 |
| CB7.4N..... | 0.0140 | 0.0024 | 0.0002 | 0.0110 | 0.0025 | 0.0002 |
| CB8.1E..... | 0.0270 | 0.0033 | 0.0002 | 0.0220 | 0.0039 | 0.0002 |
| CB8.1..... | 0.0190 | 0.0035 | 0.0002 | 0.0260 | 0.0048 | 0.0002 |
| EE3.1..... | 0.0202 | 0.0034 | 0.0000 | 0.0054 | 0.0015 | 0.0000 |
| EE3.2..... | 0.0050 | 0.0018 | 0.0000 | 0.0259 | 0.0043 | 0.0000 |
| CB7.1N..... | 0.0048 | 0.0013 | 0.0000 | 0.0147 | 0.0035 | 0.0000 |
| CB7.1..... | 0.0073 | 0.0023 | 0.0000 | 0.0348 | 0.0086 | 0.0002 |
| CB7.1S..... | 0.0168 | 0.0037 | 0.0000 | 0.0344 | 0.0116 | 0.0002 |
| CB5.4W..... | 0.0100 | 0.0026 | 0.0000 | 0.0070 | 0.0021 | 0.0000 |
| CB7.2..... | 0.0181 | 0.0043 | 0.0002 | 0.0356 | 0.0137 | 0.0015 |
| CB7.2E..... | 0.0175 | 0.0038 | 0.0002 | 0.0338 | 0.0123 | 0.0002 |
| CB7.3E..... | 0.0140 | 0.0019 | 0.0002 | 0.0240 | 0.0033 | 0.0002 |
| LE3.6..... | 0.0100 | 0.0025 | 0.0000 | 0.0119 | 0.0031 | 0.0002 |
| LE3.7..... | 0.0083 | 0.0022 | 0.0000 | 0.0120 | 0.0024 | 0.0000 |
| WE4.1..... | 0.0107 | 0.0034 | 0.0002 | 0.0095 | 0.0036 | 0.0000 |
| WE4.2..... | 0.0232 | 0.0067 | 0.0002 | 0.0808 | 0.0186 | 0.0008 |
| WE4.3..... | 0.0100 | 0.0030 | 0.0002 | 0.0120 | 0.0033 | 0.0002 |
| WE4.4..... | 0.0088 | 0.0025 | 0.0000 | 0.0090 | 0.0023 | 0.0000 |
| LE5.5..... | 0.0370 | 0.0065 | 0.0002 | 0.0260 | 0.0055 | 0.0002 |

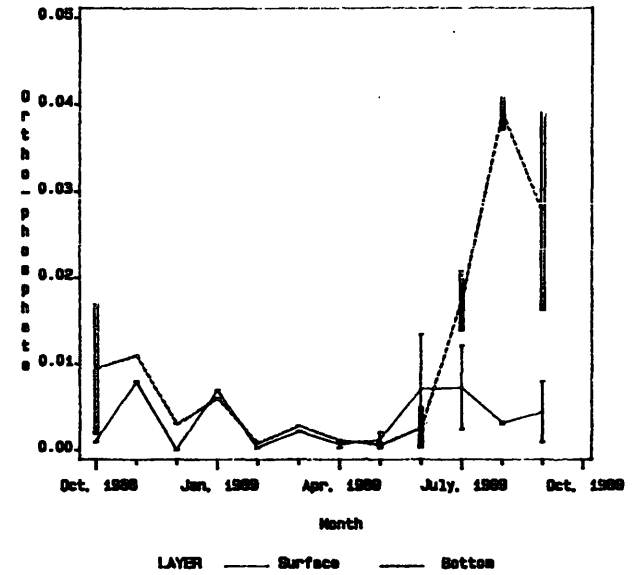
Station Id-CBS.3



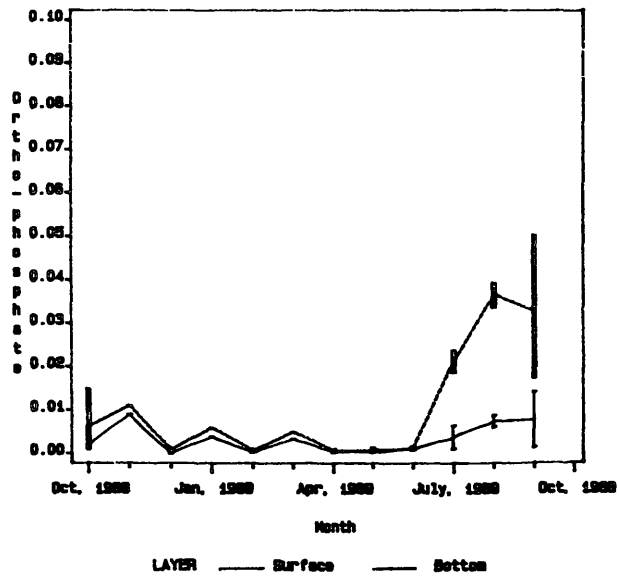
Station Id-CBS.4



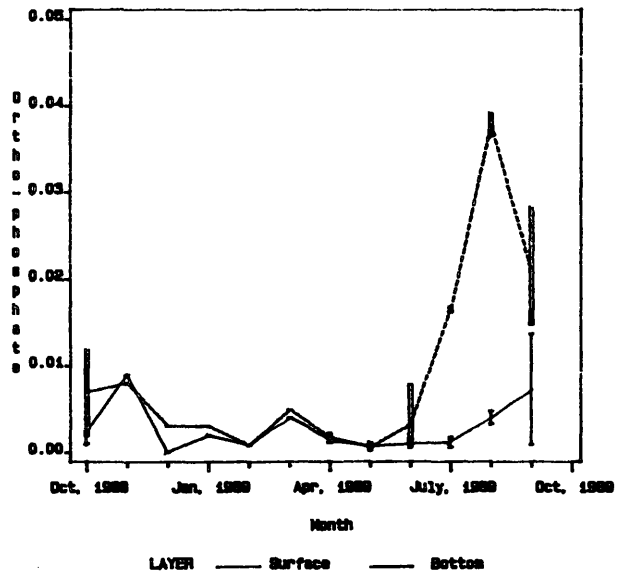
Station Id-CBS.5



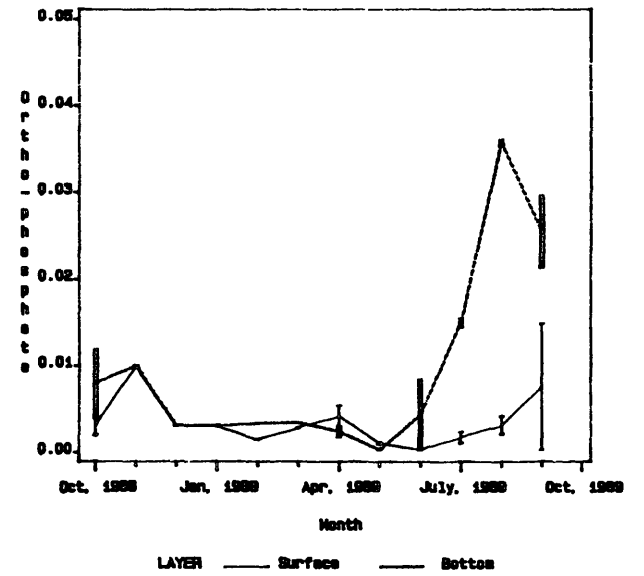
Station Id-CBS.1



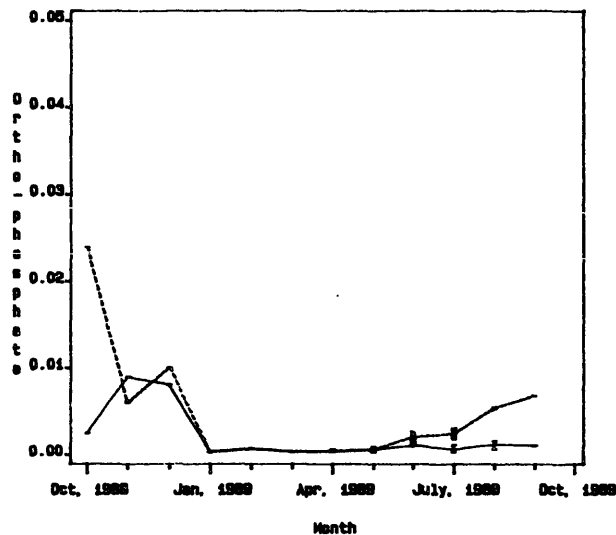
Station Id-CBS.2



Station Id-CBS.3

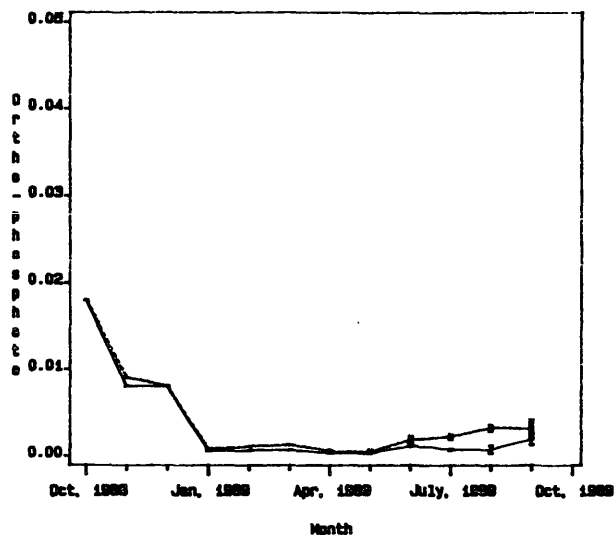


Station Id-CB6.4



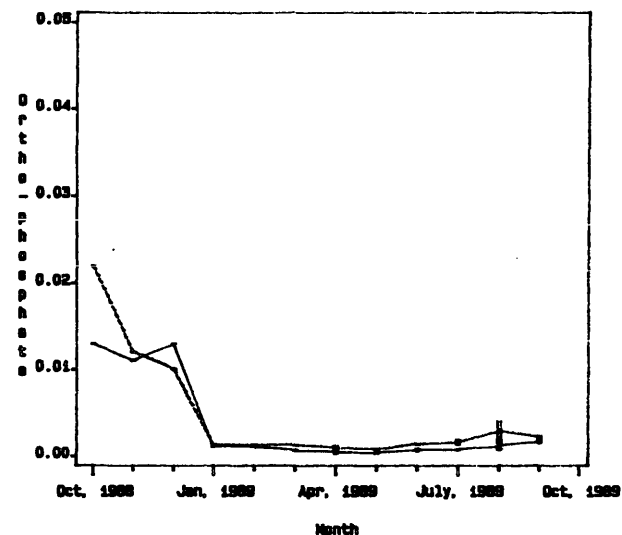
LAYER — Surface — Bottom

Station Id-CB7.3



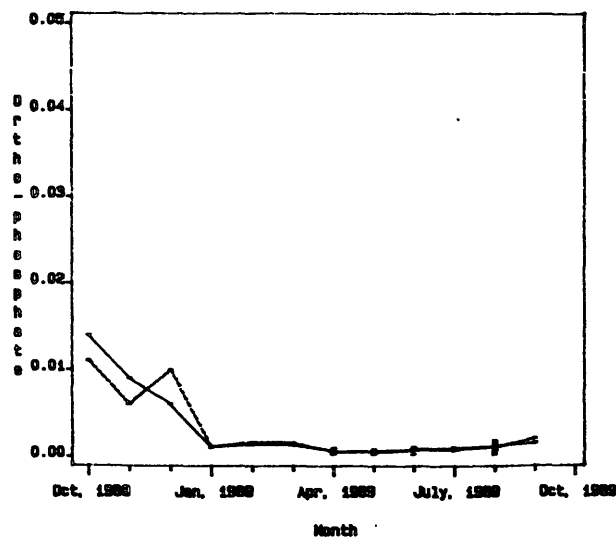
LAYER — Surface — Bottom

Station Id-CB7.4



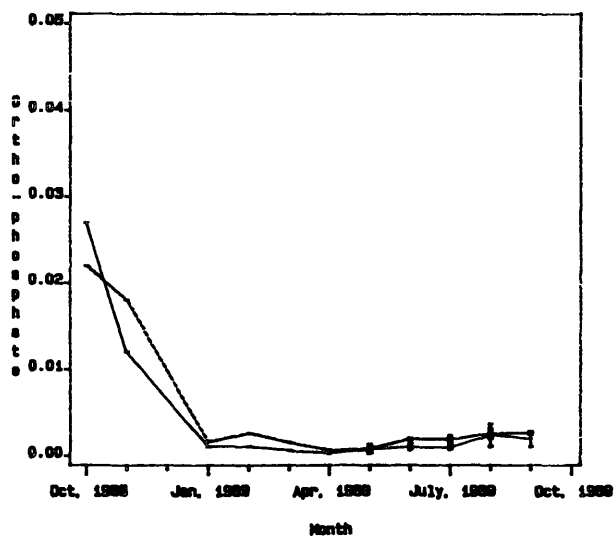
LAYER — Surface — Bottom

Station Id-CB7.4N



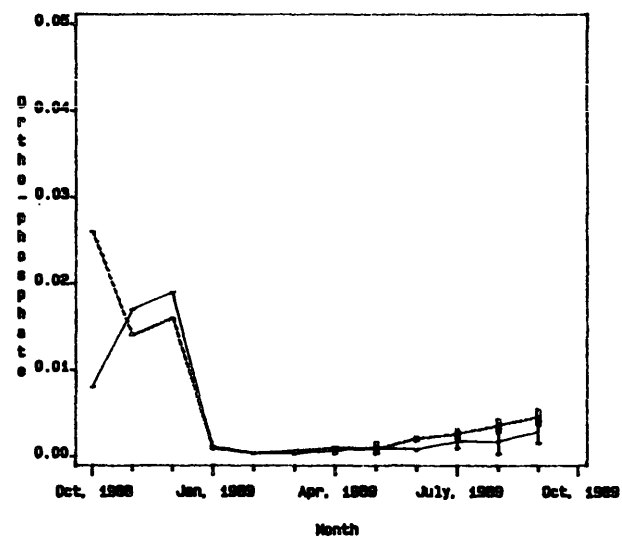
LAYER — Surface — Bottom

Station Id-CB8.1E



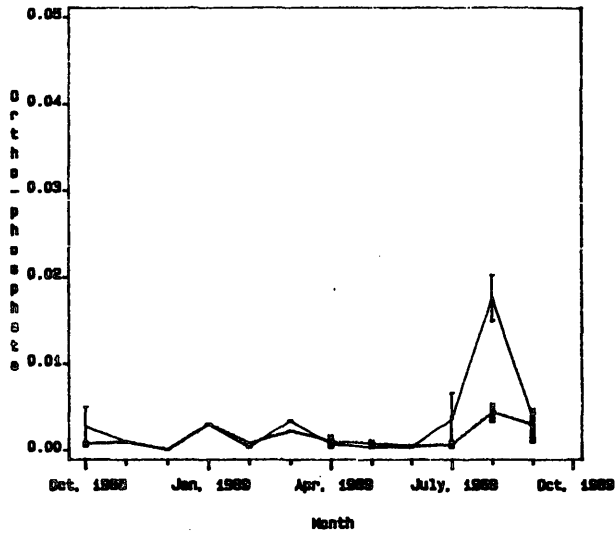
LAYER — Surface — Bottom

Station Id-CB8.1



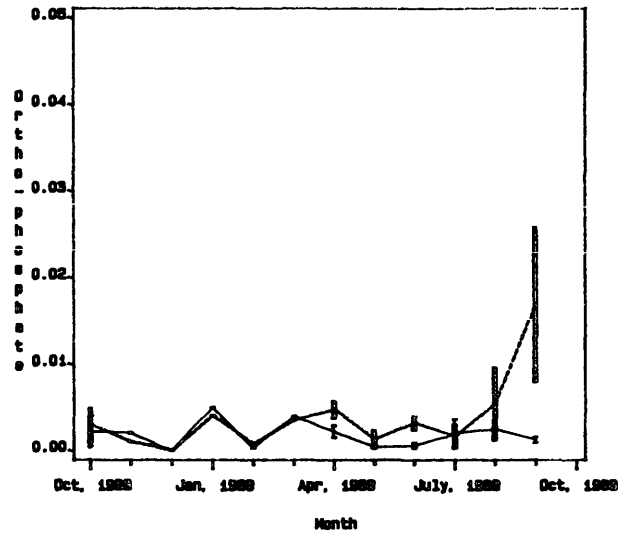
LAYER — Surface — Bottom

Station Id-CB3.1



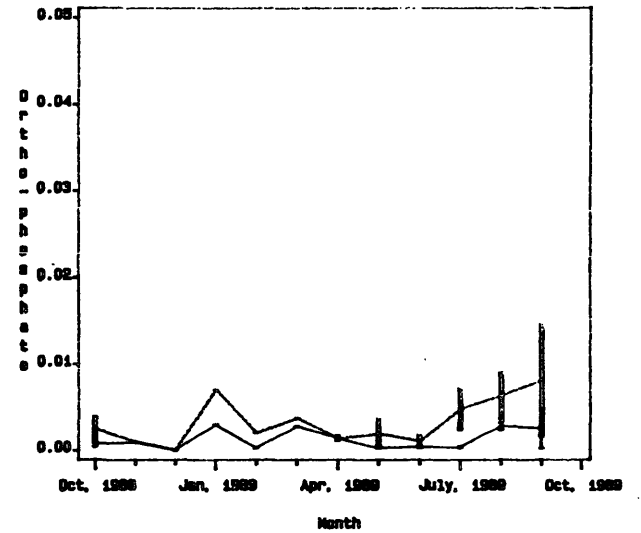
LAYER — Surface — Bottom

Station Id-CB3.2



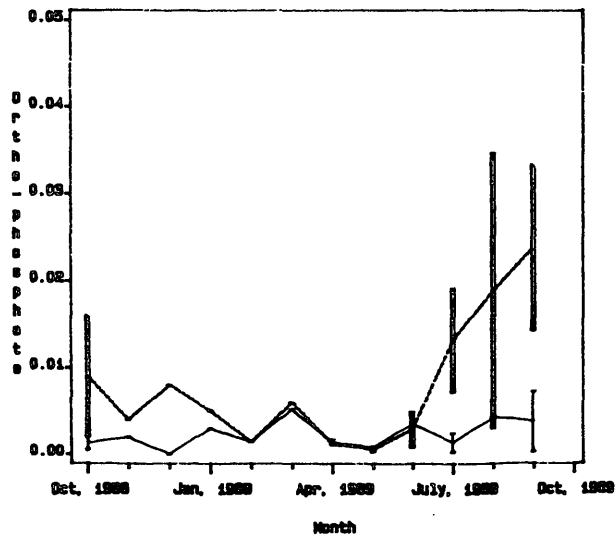
LAYER — Surface — Bottom

Station Id-CB7.1N



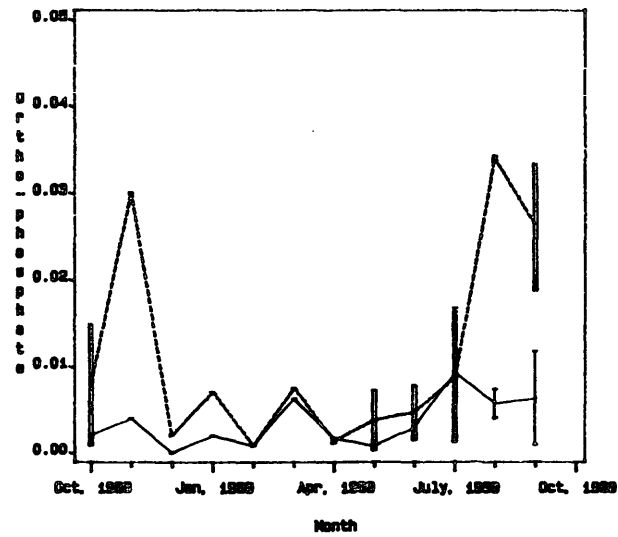
LAYER — Surface — Bottom

Station Id-CB7.1



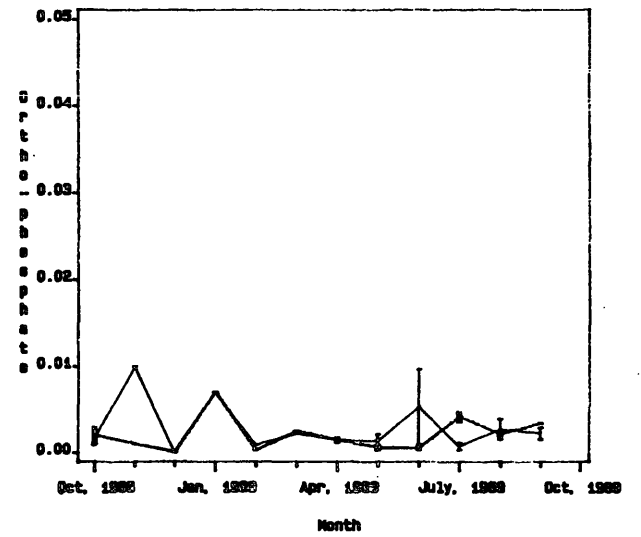
LAYER — Surface — Bottom

Station Id-CB7.1E



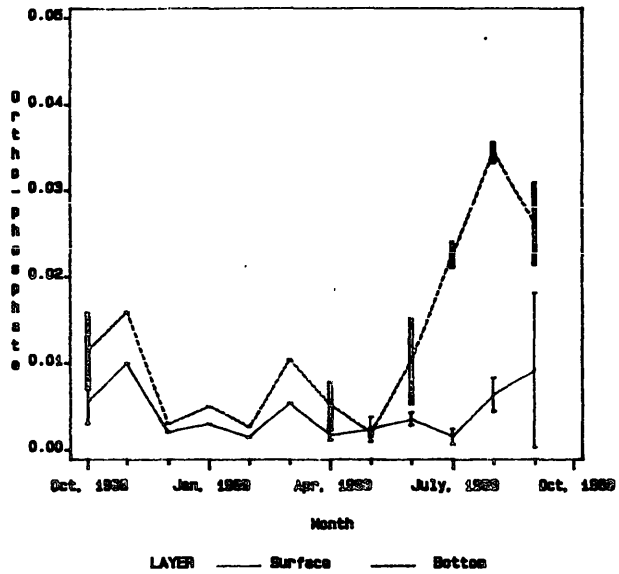
LAYER — Surface — Bottom

Station Id-CB5.4N

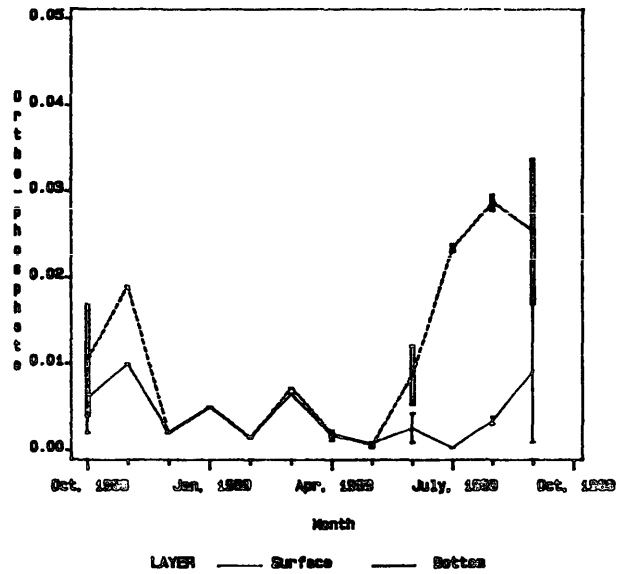


LAYER — Surface — Bottom

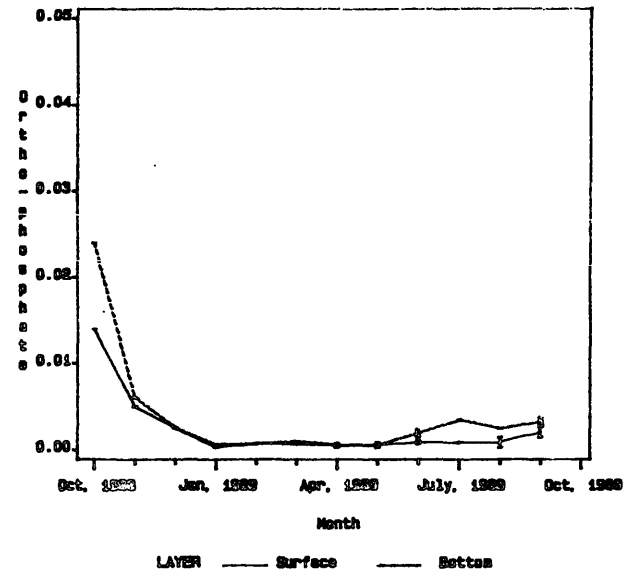
Station Id-CE7.2



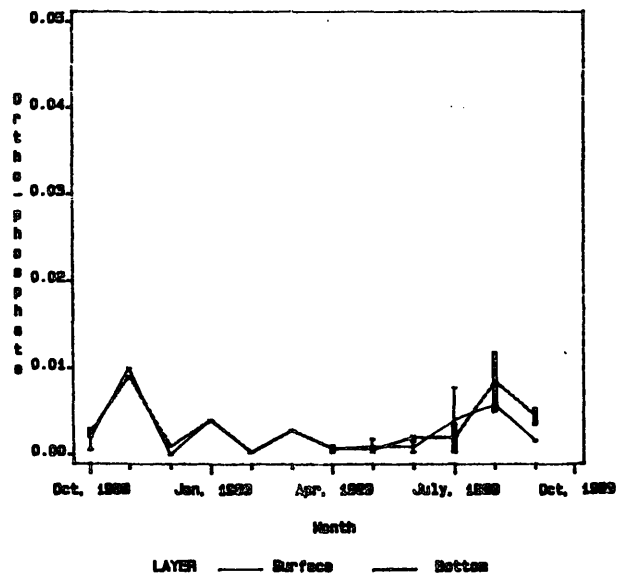
Station Id-CE7.8E



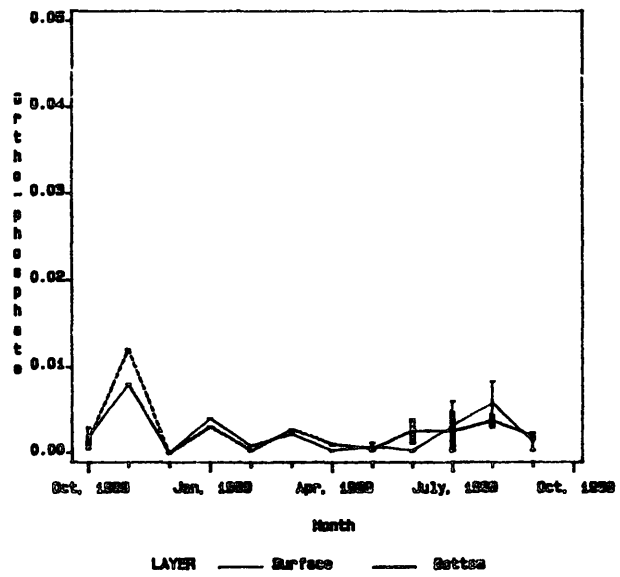
Station Id-CE7.9E



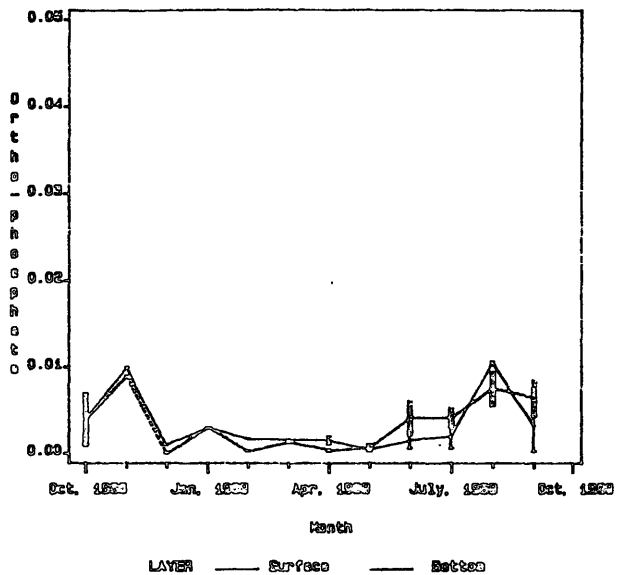
Station Id-LE9.6



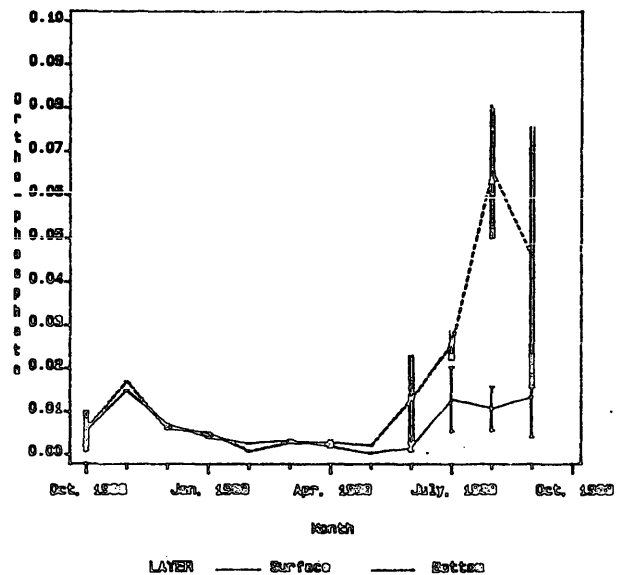
Station Id-LE9.7



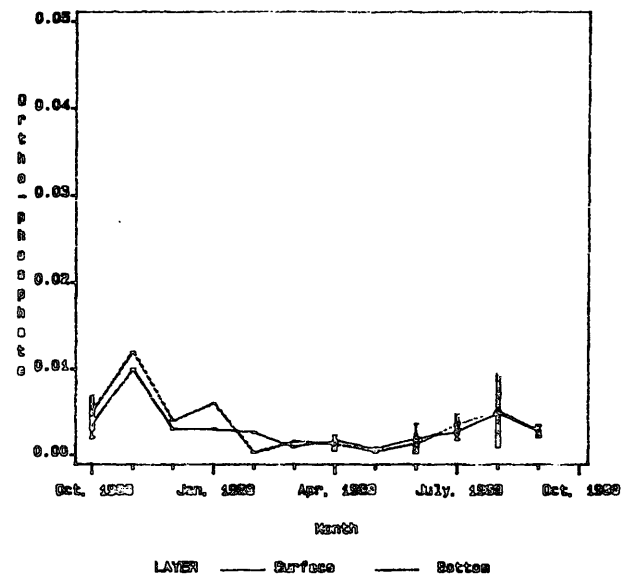
Station Id-ME4.1



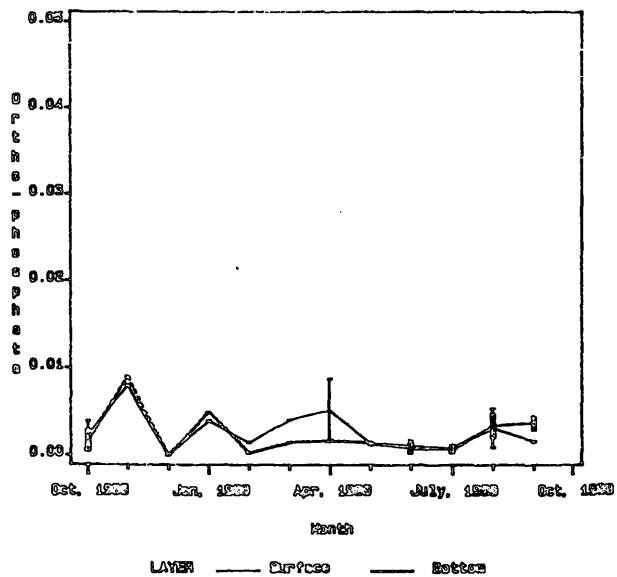
Station Id-ME4.2



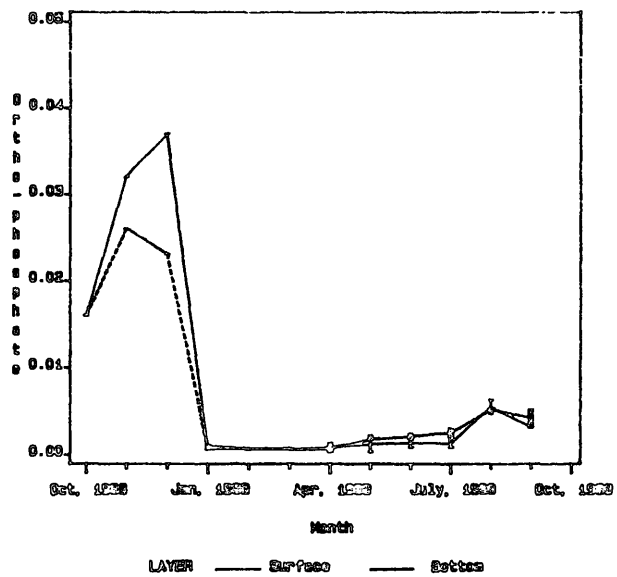
Station Id-ME4.3



Station Id-ME4.4



Station Id-ME4.5



TOTAL NITROGEN

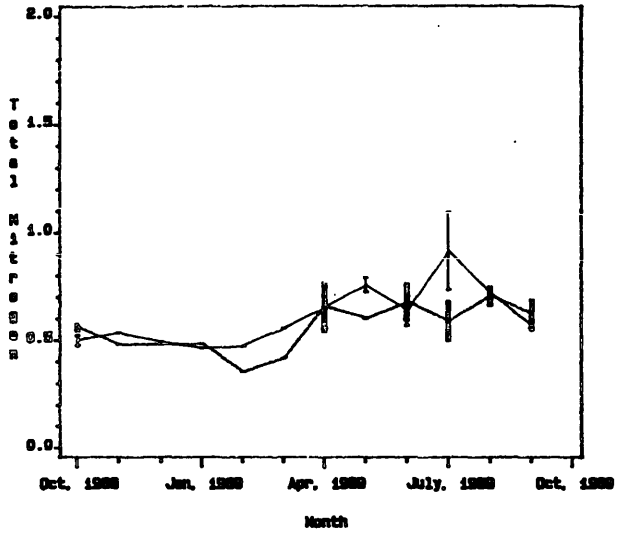
Total Nitrogen is the sum of
Particulate Nitrogen and Total Dissolved Nitrogen.

Values reported as mg/l.

Total Nitrogen
October, 1988 - September, 1989

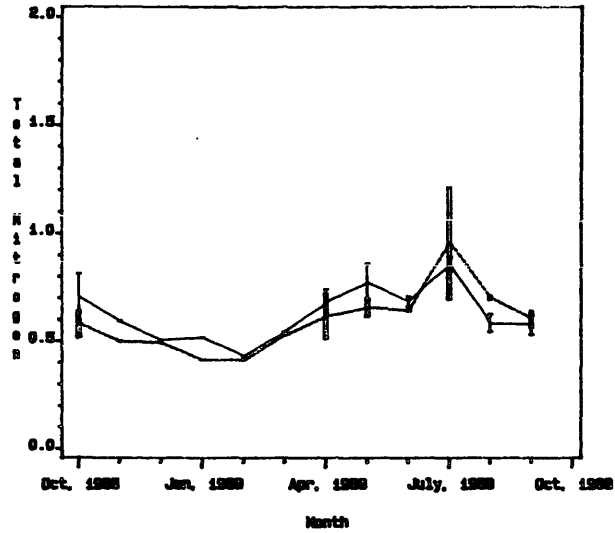
| | Total Nitrogen | | | | | |
|-------------|----------------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 1.0940 | 0.6312 | 0.4600 | 0.7700 | 0.5820 | 0.3520 |
| CB5.4..... | 0.8920 | 0.6428 | 0.4270 | 1.2170 | 0.6226 | 0.4090 |
| CB5.5..... | 0.7740 | 0.5986 | 0.3880 | 1.0470 | 0.5799 | 0.3350 |
| CB6.1..... | 0.9390 | 0.5981 | 0.3880 | 1.2740 | 0.5645 | 0.2970 |
| CB6.2..... | 0.7120 | 0.5568 | 0.3770 | 1.3810 | 0.5861 | 0.3640 |
| CB6.3..... | 1.1360 | 0.6058 | 0.3770 | 0.7270 | 0.5216 | 0.3140 |
| CB6.4..... | 0.6160 | 0.4157 | 0.2390 | 1.3340 | 0.4371 | 0.2460 |
| CB7.3..... | 0.5430 | 0.3484 | 0.2330 | 0.5400 | 0.2901 | 0.1720 |
| CB7.4..... | 0.4520 | 0.2883 | 0.1410 | 0.4450 | 0.2531 | 0.1150 |
| CB7.4N..... | 0.4390 | 0.2763 | 0.1460 | 0.4940 | 0.2928 | 0.1470 |
| CB8.1E..... | 0.5710 | 0.3737 | 0.1760 | 0.4510 | 0.2571 | 0.1220 |
| CB8.1..... | 0.6000 | 0.4014 | 0.2150 | 0.5960 | 0.3603 | 0.1930 |
| EE3.1..... | 1.2310 | 0.7406 | 0.3810 | 1.2800 | 0.7199 | 0.2260 |
| EE3.2..... | 1.1570 | 0.6142 | 0.4030 | 1.6930 | 0.7227 | 0.4400 |
| CB7.1N..... | 0.7000 | 0.5724 | 0.3840 | 0.8070 | 0.5825 | 0.3770 |
| CB7.1..... | 1.0180 | 0.5742 | 0.3110 | 0.7240 | 0.5347 | 0.2700 |
| CB7.1S..... | 0.8600 | 0.5477 | 0.3080 | 0.8630 | 0.4913 | 0.2900 |
| CB5.4W..... | 1.0720 | 0.6912 | 0.3930 | 1.0040 | 0.6567 | 0.3630 |
| CB7.2..... | 1.0450 | 0.5780 | 0.3030 | 0.6740 | 0.4574 | 0.3020 |
| CB7.2E..... | 0.7480 | 0.5312 | 0.2920 | 0.7080 | 0.4697 | 0.2840 |
| CB7.3E..... | 0.5540 | 0.3805 | 0.2390 | 0.6340 | 0.3438 | 0.1860 |
| LE3.6..... | 0.7840 | 0.5706 | 0.3640 | 0.9010 | 0.5739 | 0.4320 |
| LE3.7..... | 0.8870 | 0.5901 | 0.3520 | 0.7540 | 0.5666 | 0.3480 |
| WE4.1..... | 0.6860 | 0.5201 | 0.3300 | 0.8600 | 0.5627 | 0.2940 |
| WE4.2..... | 1.2400 | 0.5959 | 0.3430 | 0.9940 | 0.5921 | 0.3340 |
| WE4.3..... | 0.7050 | 0.5264 | 0.3890 | 0.7200 | 0.5209 | 0.3560 |
| WE4.4..... | 0.7550 | 0.5590 | 0.3690 | 0.7630 | 0.5344 | 0.3040 |
| LE5.5..... | 0.7250 | 0.5061 | 0.3000 | 0.6490 | 0.3889 | 0.1860 |

Station Id-CSS.3



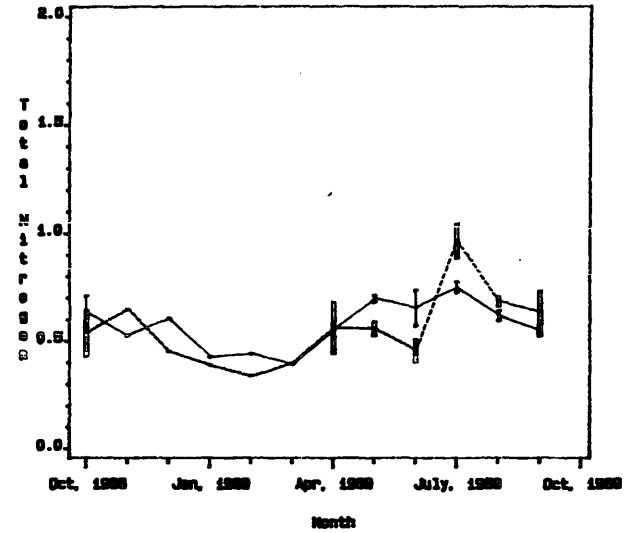
LAYER — Surface — Bottom

Station Id-CSS.4



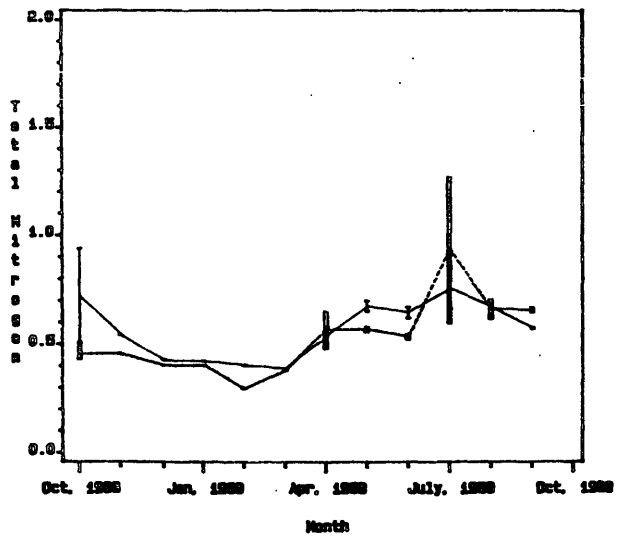
LAYER — Surface — Bottom

Station Id-CSS.5



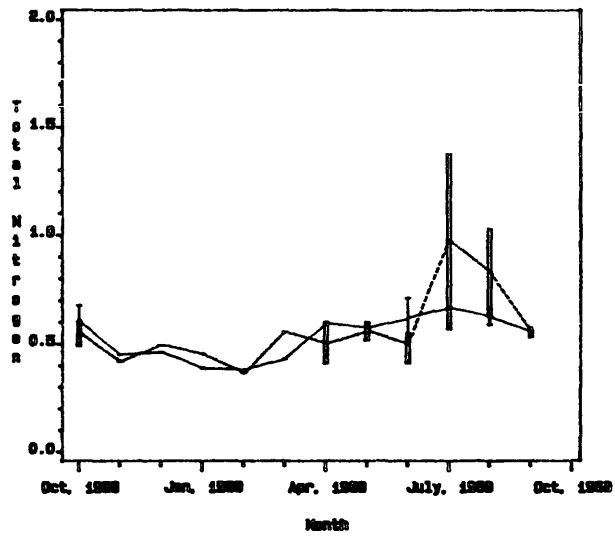
LAYER — Surface — Bottom

Station Id-CSS.1



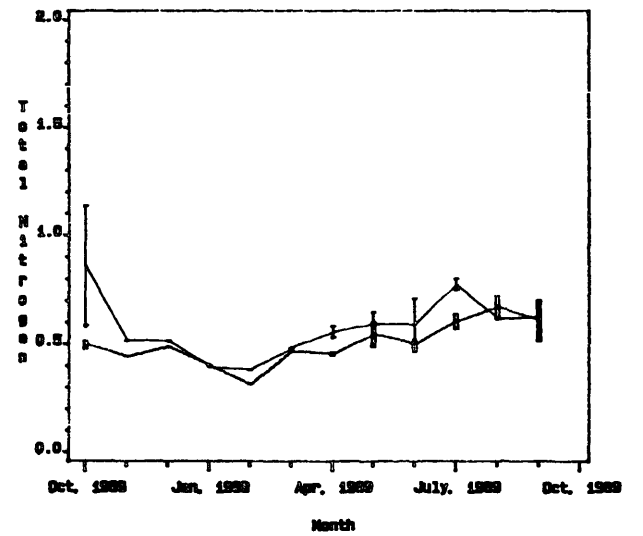
LAYER — Surface — Bottom

Station Id-CSS.2



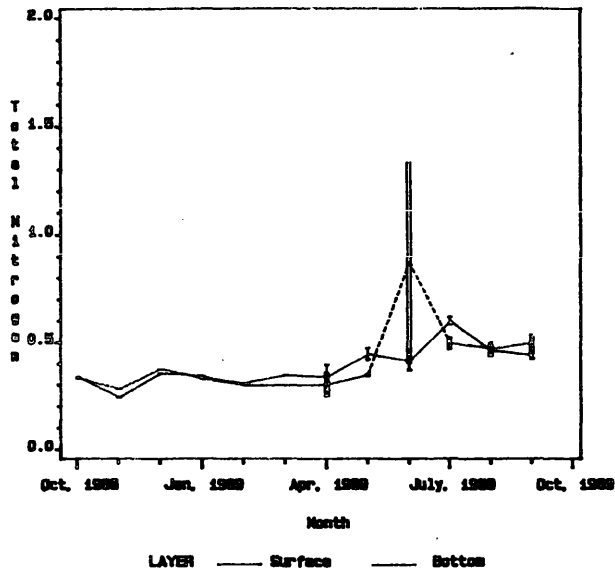
LAYER — Surface — Bottom

Station Id-CSS.3

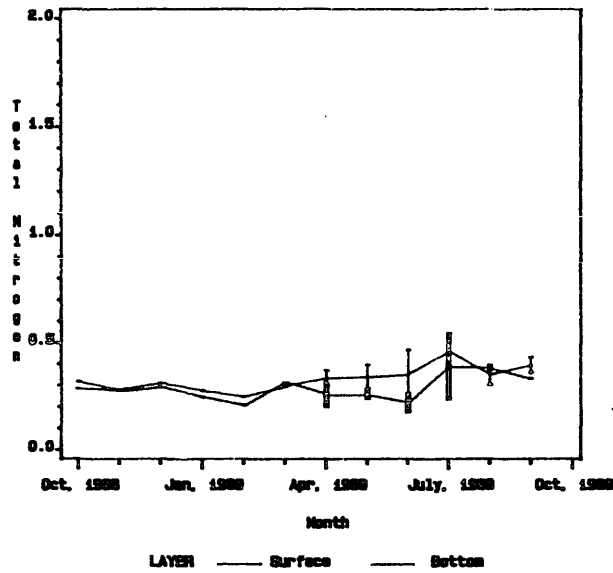


LAYER — Surface — Bottom

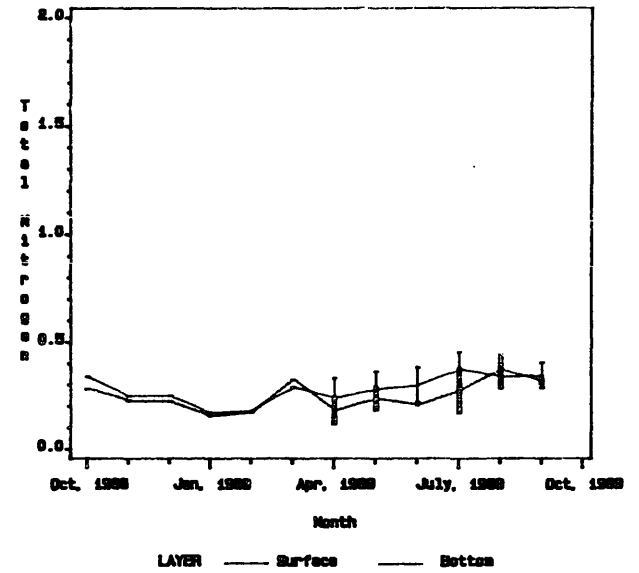
Station Id-CB6.4



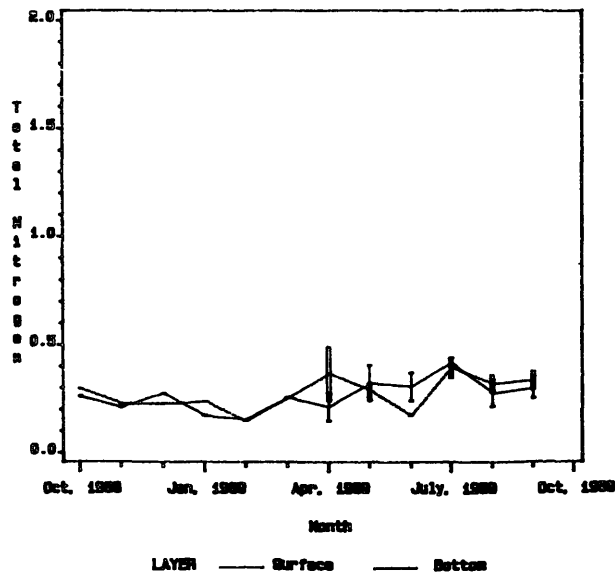
Station Id-CB7.3



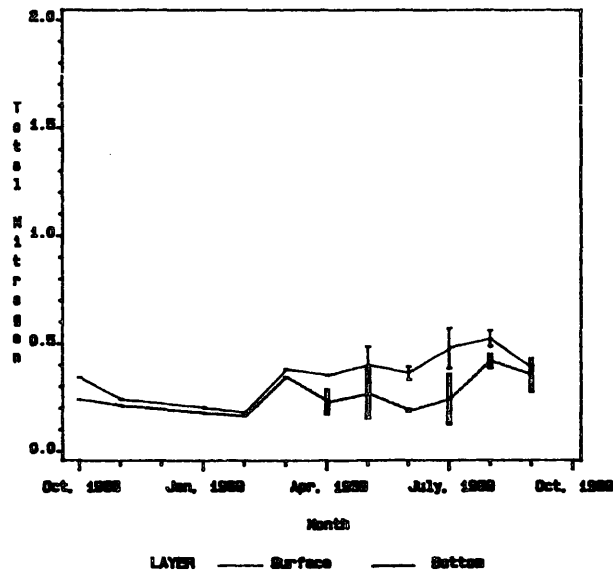
Station Id-CB7.4



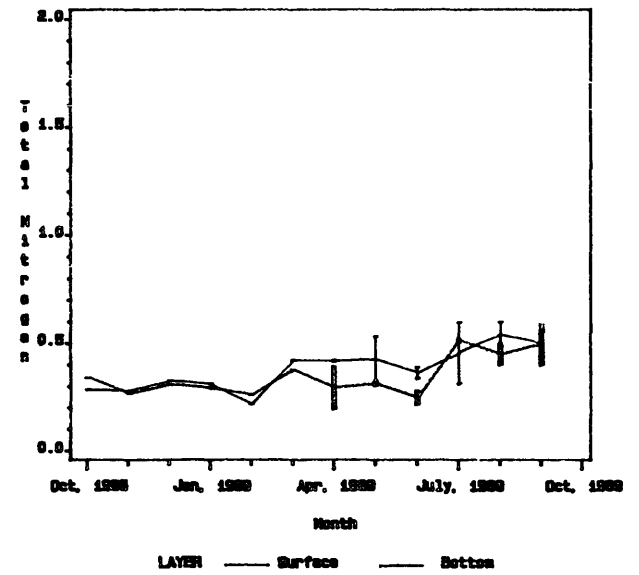
Station Id-CB7.4N



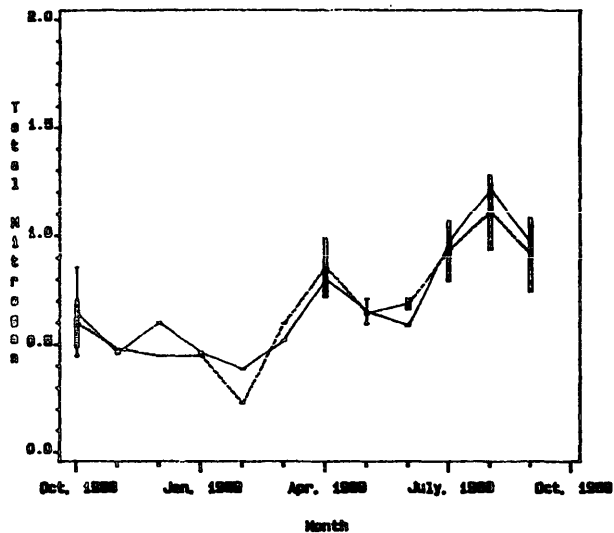
Station Id-CB8.1E



Station Id-CB8.1

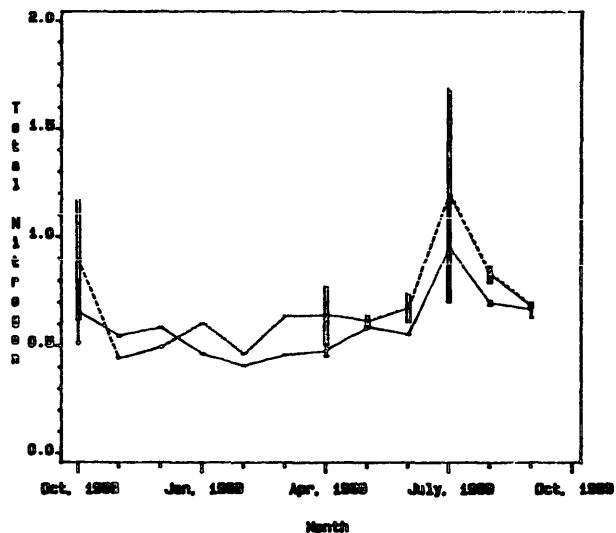


Station Id-CES.1



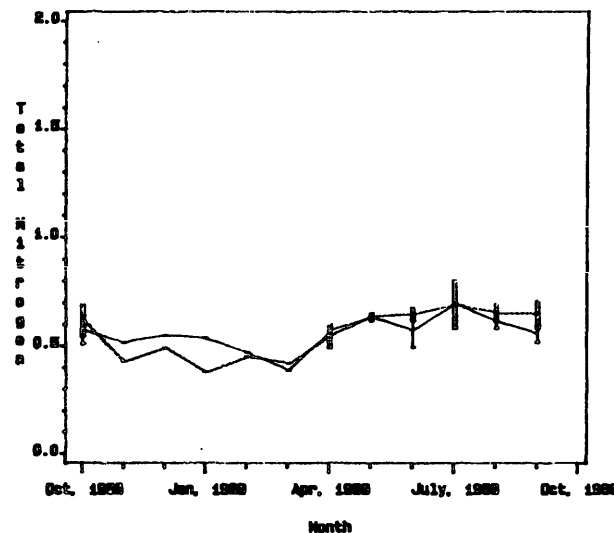
LAYER — Surface — Bottom

Station Id-CES.2



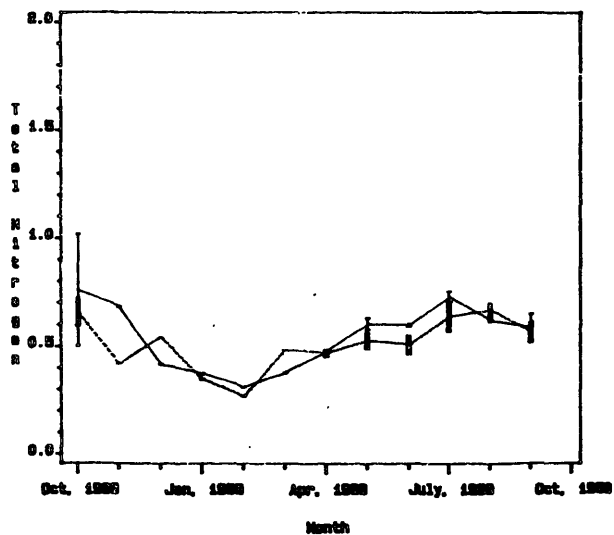
LAYER — Surface — Bottom

Station Id-CB7.1N



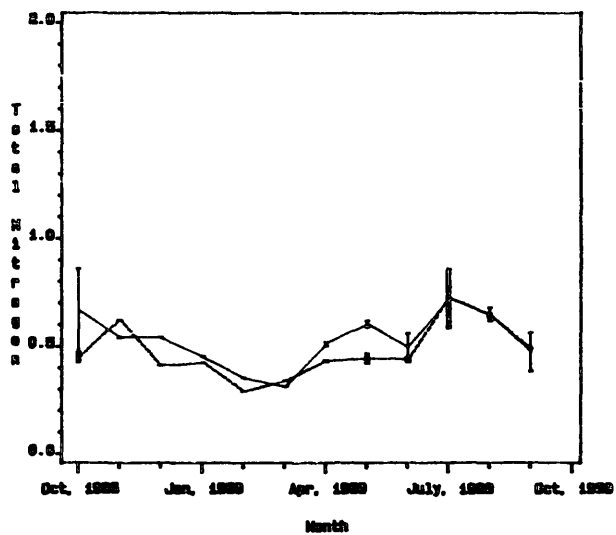
LAYER — Surface — Bottom

Station Id-CB7.1



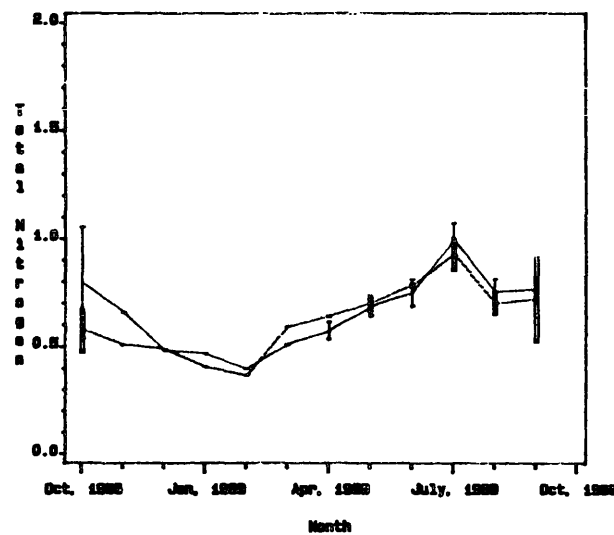
LAYER — Surface — Bottom

Station Id-CB7.1S



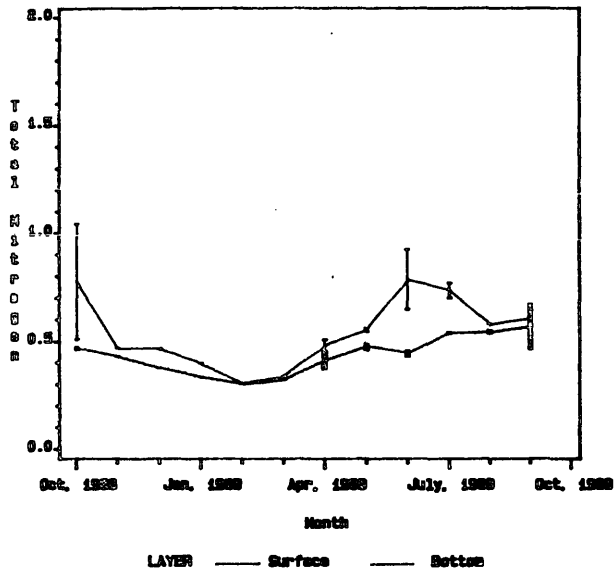
LAYER — Surface — Bottom

Station Id-CB8.4N

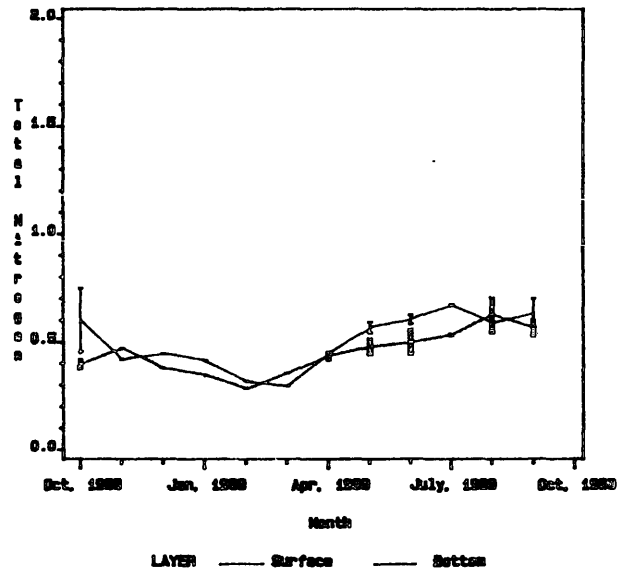


LAYER — Surface — Bottom

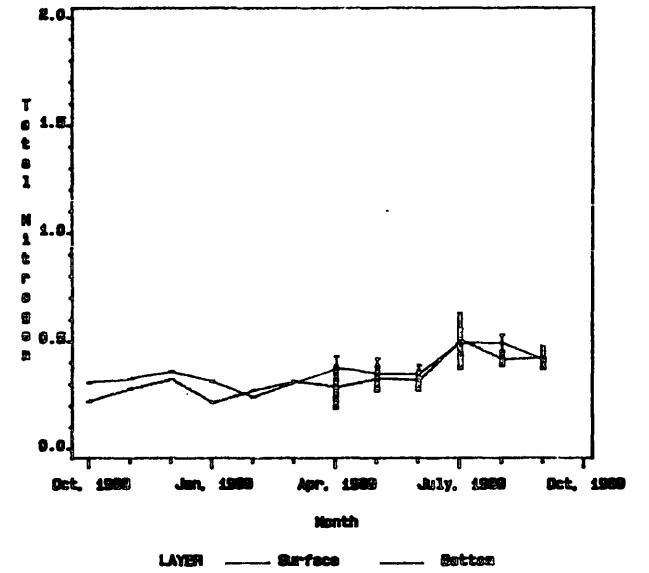
Station Id-CE7.2



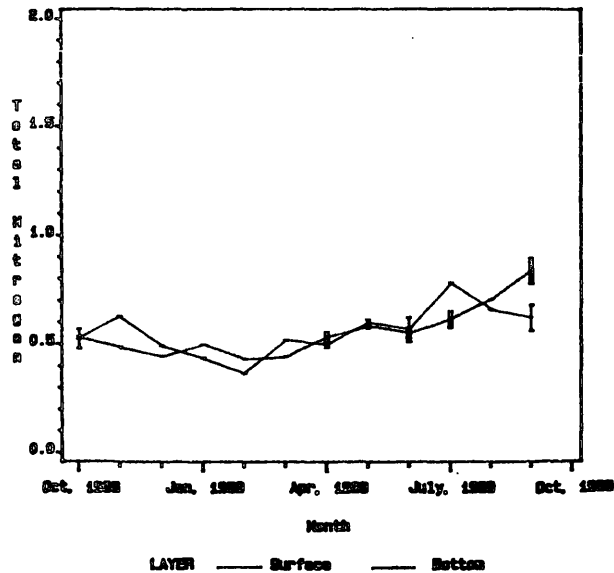
Station Id-CE7.2E



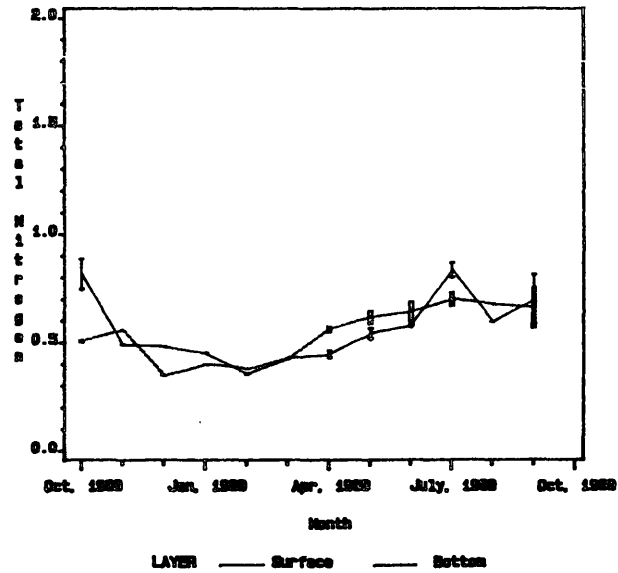
Station Id-CE7.2E



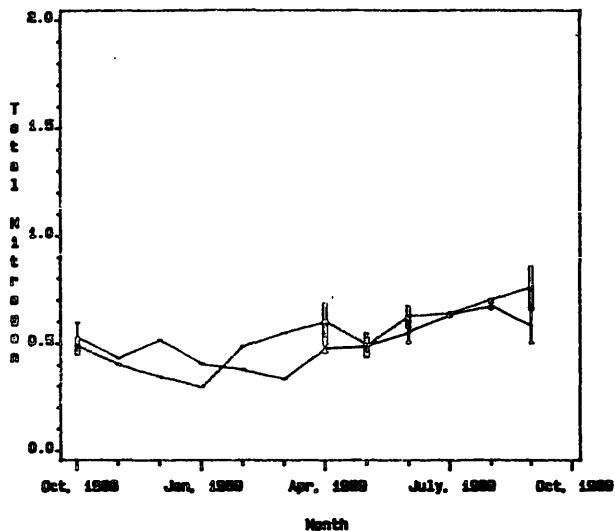
Station Id-LE3.6



Station Id-LE3.7

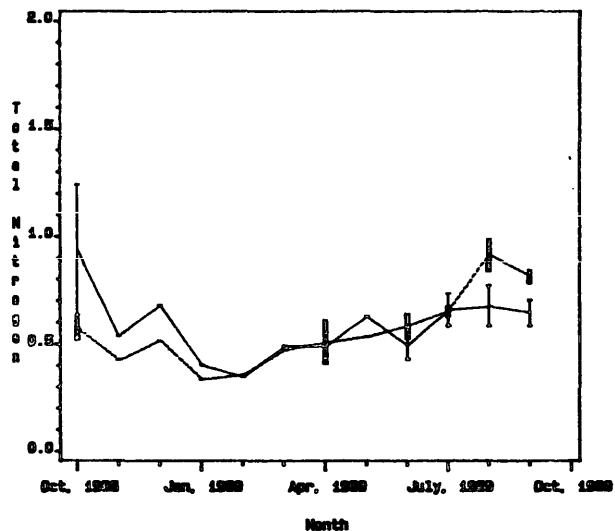


Station Id-ME4.1



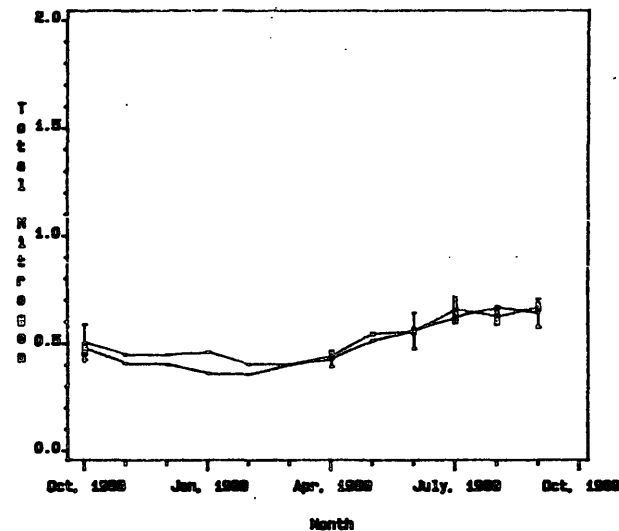
LAYER — Surface — Bottom

Station Id-ME4.2



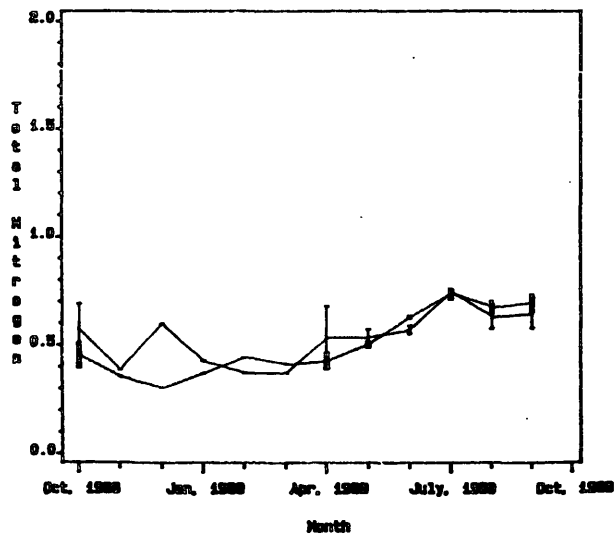
LAYER — Surface — Bottom

Station Id-ME4.3



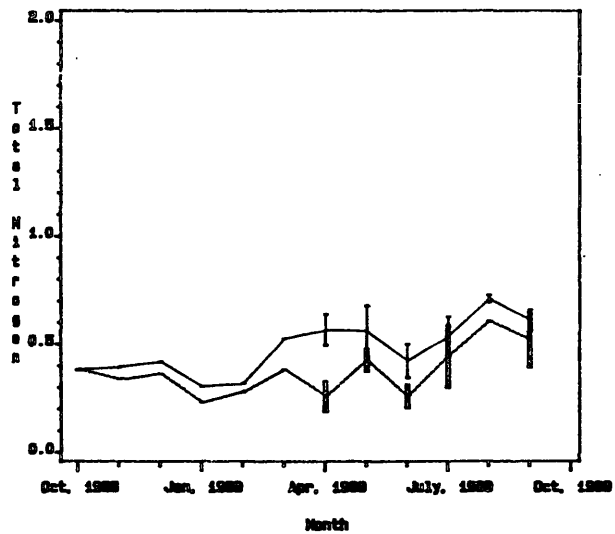
LAYER — Surface — Bottom

Station Id-ME4.4



LAYER — Surface — Bottom

Station Id-LES



LAYER — Surface — Bottom

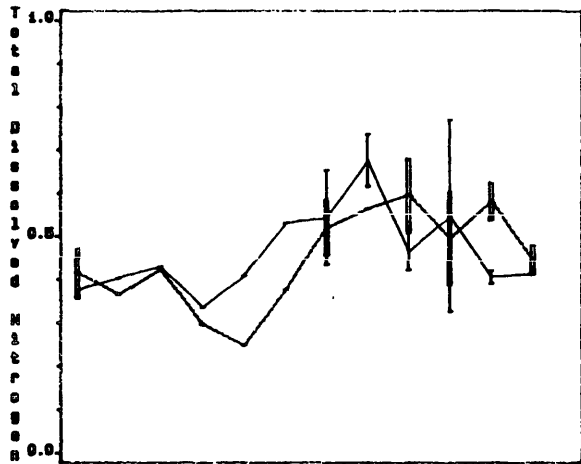
TOTAL DISSOLVED NITROGEN

Values reported as mg/l.

Total Dissolved Nitrogen
October, 1988 - September, 1989

| | Total Dissolved Nitrogen | | | | | |
|-------------|--------------------------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 0.7670 | 0.4698 | 0.3240 | 0.6790 | 0.4702 | 0.2460 |
| CB5.4..... | 0.7900 | 0.4756 | 0.3100 | 0.6770 | 0.4758 | 0.2440 |
| CB5.5..... | 0.6220 | 0.4615 | 0.3200 | 0.6190 | 0.4433 | 0.2370 |
| CB6.1..... | 0.7950 | 0.4446 | 0.3200 | 0.6060 | 0.4289 | 0.2220 |
| CB6.2..... | 0.5840 | 0.4091 | 0.2690 | 0.9070 | 0.4320 | 0.2650 |
| CB6.3..... | 1.0430 | 0.4465 | 0.2960 | 0.5620 | 0.3999 | 0.2100 |
| CB6.4..... | 0.4050 | 0.2816 | 0.1550 | 0.4350 | 0.3143 | 0.2160 |
| CB7.3..... | 0.3310 | 0.2527 | 0.2040 | 0.3040 | 0.2161 | 0.1470 |
| CB7.4..... | 0.2900 | 0.1992 | 0.1100 | 0.3020 | 0.1761 | 0.0900 |
| CB7.4N..... | 0.3490 | 0.1899 | 0.0600 | 0.2330 | 0.1689 | 0.1220 |
| CB8.1E..... | 0.4050 | 0.2573 | 0.1510 | 0.3430 | 0.1786 | 0.0900 |
| CB8.1..... | 0.4420 | 0.2900 | 0.1650 | 0.4570 | 0.2536 | 0.1260 |
| EE3.1..... | 0.8010 | 0.5462 | 0.2710 | 0.8880 | 0.5329 | 0.1240 |
| EE3.2..... | 0.8640 | 0.4462 | 0.2830 | 1.3870 | 0.5115 | 0.2750 |
| CB7.1N..... | 0.5520 | 0.4181 | 0.2530 | 0.6030 | 0.4313 | 0.2220 |
| CB7.1..... | 0.9030 | 0.4266 | 0.2180 | 0.5560 | 0.4023 | 0.1850 |
| CB7.1S..... | 0.7480 | 0.4146 | 0.2680 | 0.7930 | 0.3957 | 0.2000 |
| CB5.4W..... | 0.9430 | 0.5045 | 0.3200 | 0.6940 | 0.4711 | 0.2630 |
| CB7.2..... | 0.9630 | 0.4202 | 0.2340 | 0.4690 | 0.3467 | 0.2180 |
| CB7.2E..... | 0.6680 | 0.3859 | 0.2160 | 0.5210 | 0.3695 | 0.2030 |
| CB7.3E..... | 0.3580 | 0.2673 | 0.2140 | 0.3810 | 0.2566 | 0.1610 |
| LE3.6..... | 0.5350 | 0.4179 | 0.2890 | 0.7050 | 0.4195 | 0.3140 |
| LE3.7..... | 0.7850 | 0.4512 | 0.2710 | 0.5410 | 0.4168 | 0.2810 |
| WE4.1..... | 0.5140 | 0.3673 | 0.2340 | 0.6560 | 0.4105 | 0.2020 |
| WE4.2..... | 1.1440 | 0.4597 | 0.2310 | 0.8450 | 0.4564 | 0.1930 |
| WE4.3..... | 0.4820 | 0.3816 | 0.3090 | 0.4910 | 0.3635 | 0.2470 |
| WE4.4..... | 0.6090 | 0.4174 | 0.2830 | 0.5540 | 0.3813 | 0.2290 |
| LE5.5..... | 0.5870 | 0.3676 | 0.1990 | 0.5090 | 0.2887 | 0.1520 |

Station Id-CBS.3

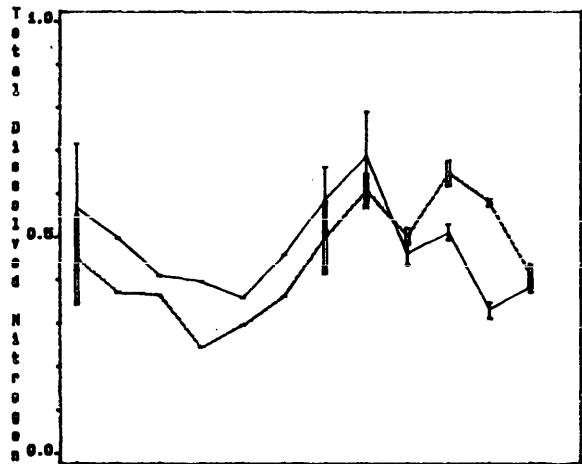


Oct. 1988 Jan. 1989 Apr. 1989 July, 1989 Oct. 1989

Month

LAYER — Surface — Bottom

Station Id-CBS.4

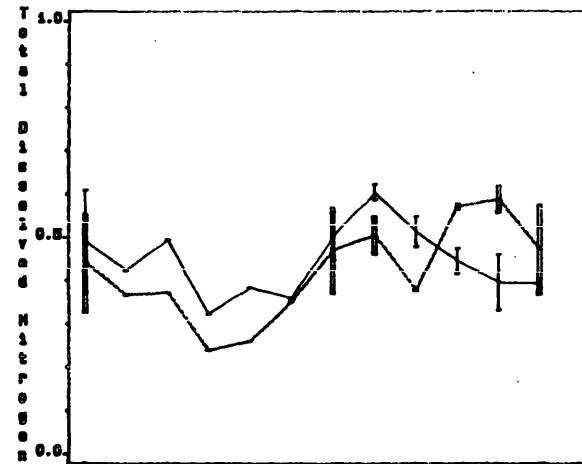


Oct. 1988 Jan. 1989 Apr. 1989 July, 1989 Oct. 1989

Month

LAYER — Surface — Bottom

Station Id-CBS.5

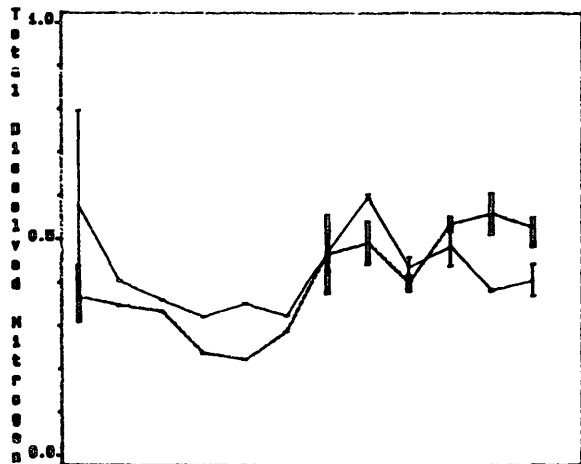


Oct. 1988 Jan. 1989 Apr. 1989 July, 1989 Oct. 1989

Month

LAYER — Surface — Bottom

Station Id-CBS.1

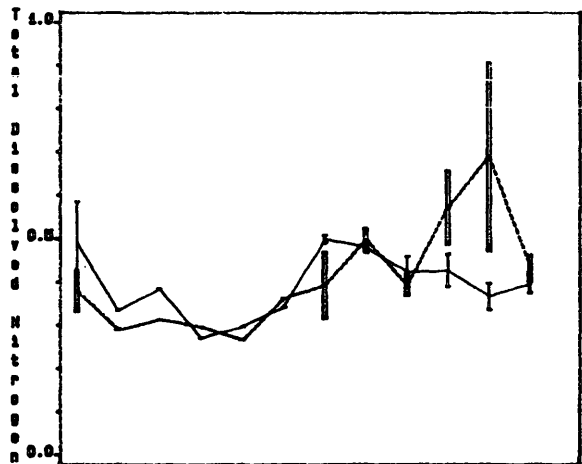


Oct. 1988 Jan. 1989 Apr. 1989 July, 1989 Oct. 1989

Month

LAYER — Surface — Bottom

Station Id-CBS.2

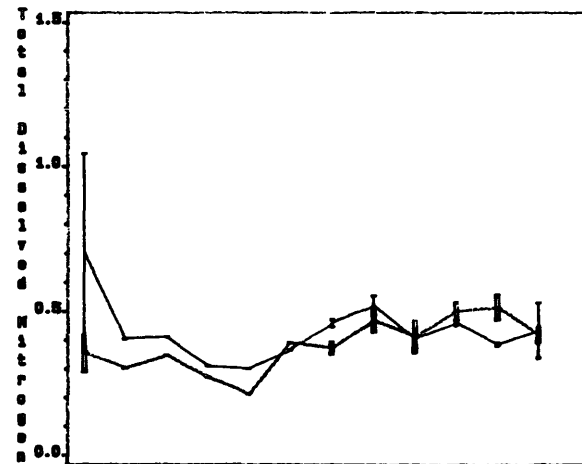


Oct. 1988 Jan. 1989 Apr. 1989 July, 1989 Oct. 1989

Month

LAYER — Surface — Bottom

Station Id-CBS.3

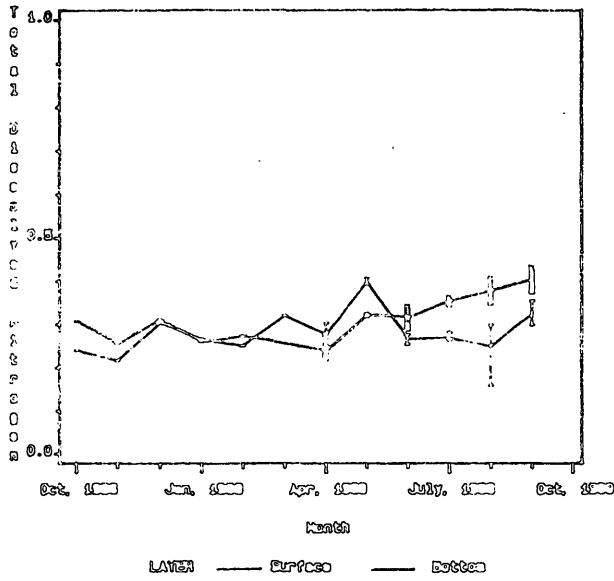


Oct. 1988 Jan. 1989 Apr. 1989 July, 1989 Oct. 1989

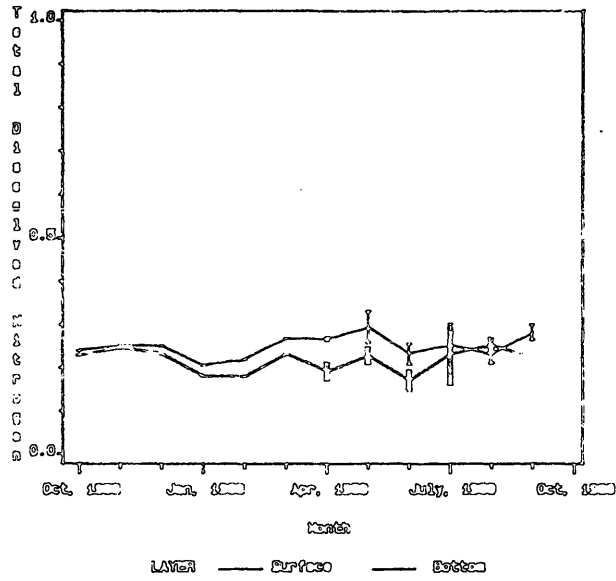
Month

LAYER — Surface — Bottom

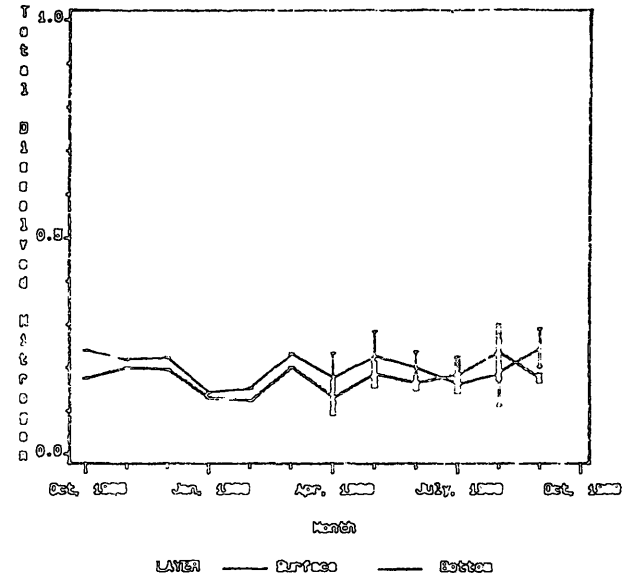
Station ID-621.4



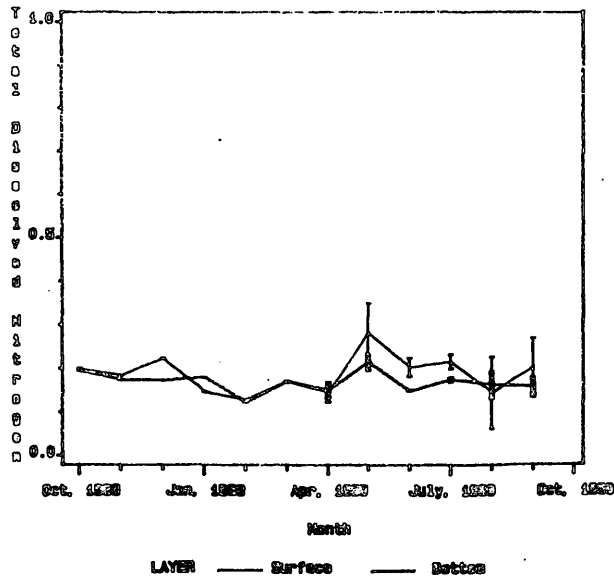
Station ID-617.9



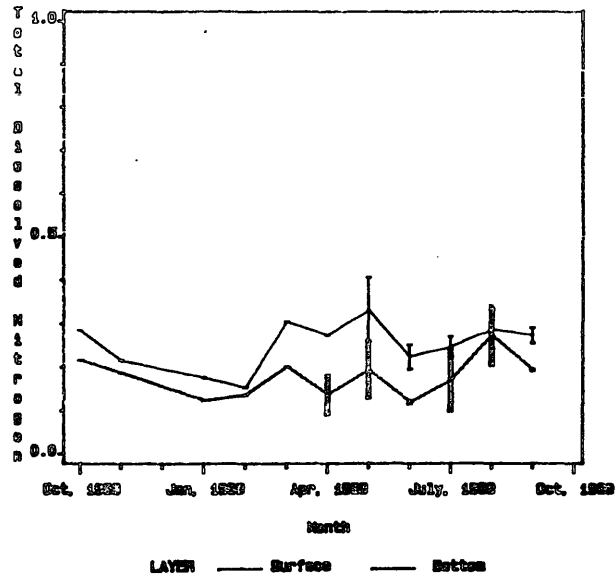
Station ID-627.4



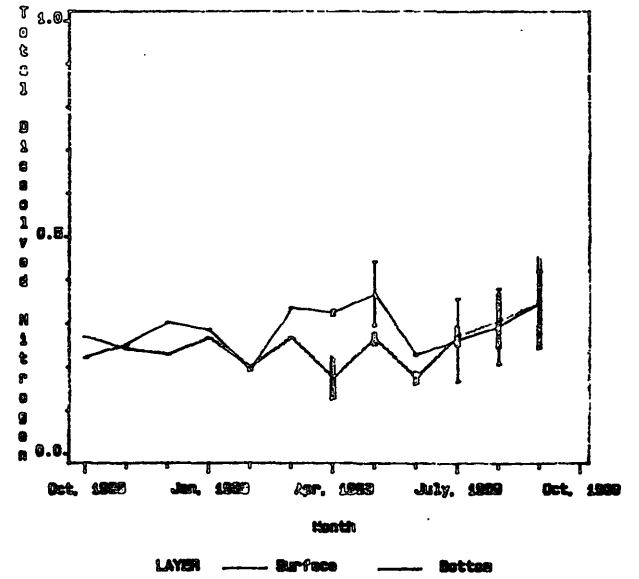
Station ID-617.4



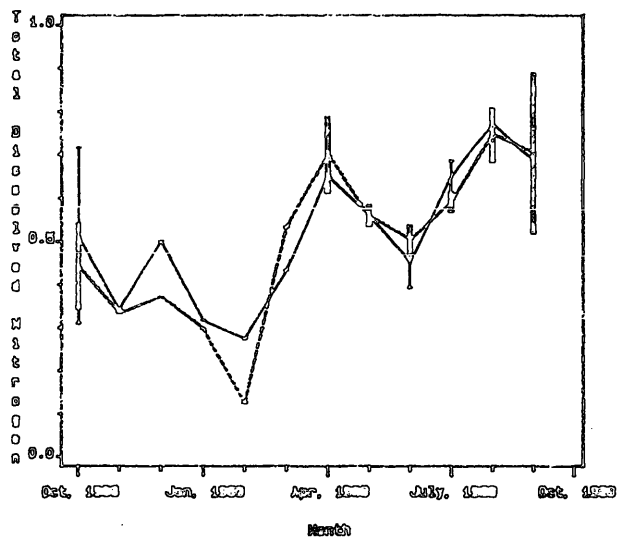
Station ID-621.12



Station ID-621.1

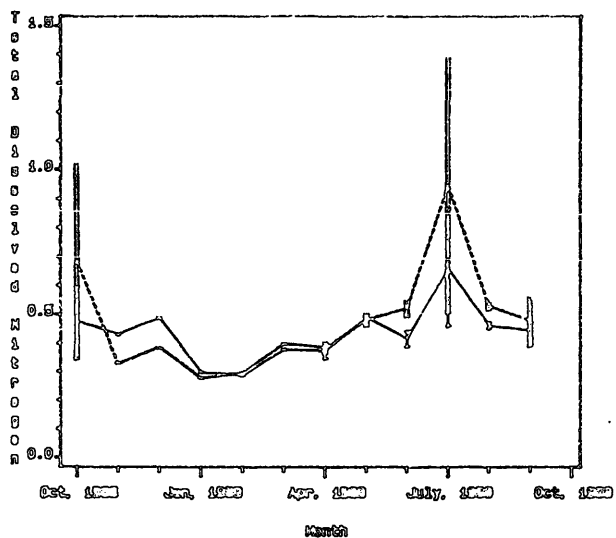


Station Id-429.1



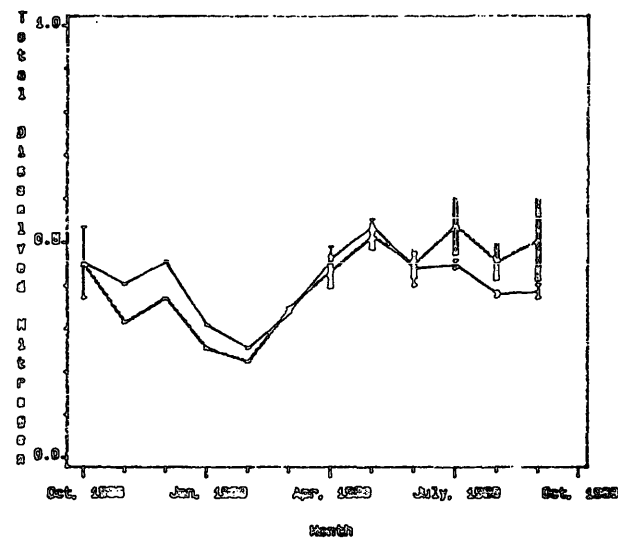
LAYER — Surface — Bottom

Station Id-429.2



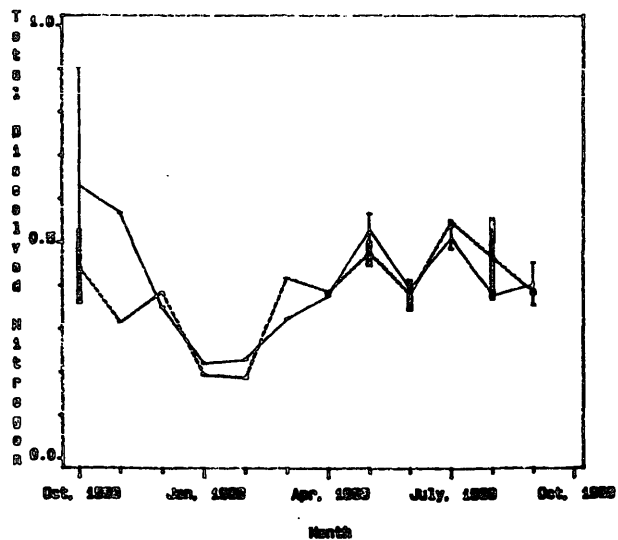
LAYER — Surface — Bottom

Station Id-427.1M



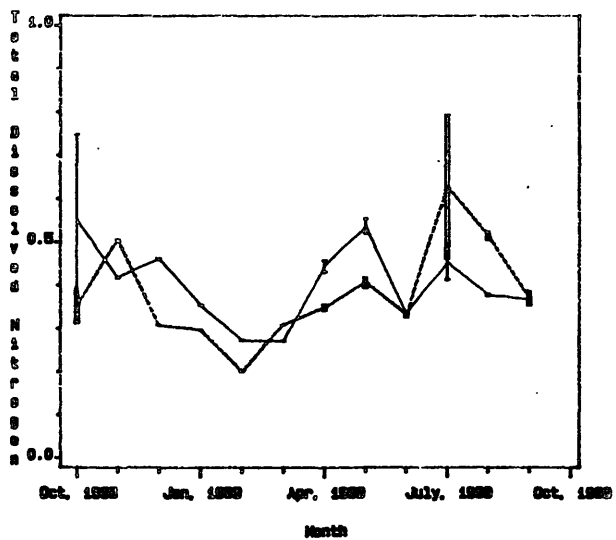
LAYER — Surface — Bottom

Station Id-427.1



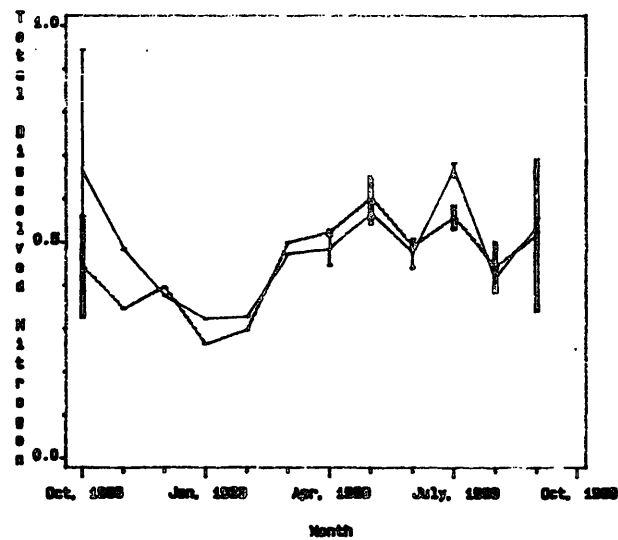
LAYER — Surface — Bottom

Station Id-427.1B



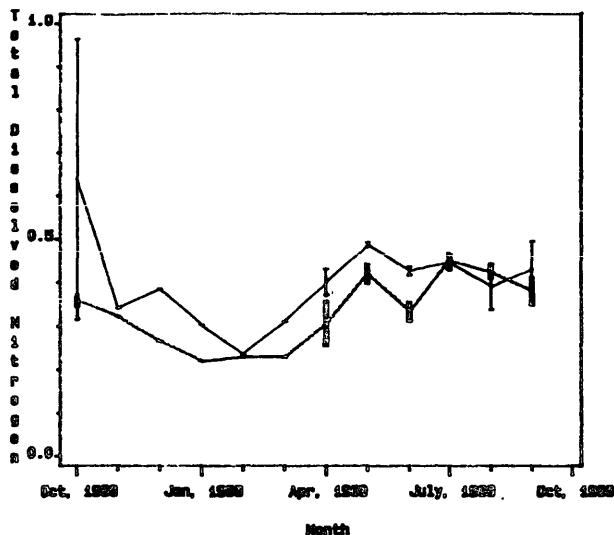
LAYER — Surface — Bottom

Station Id-429.2M



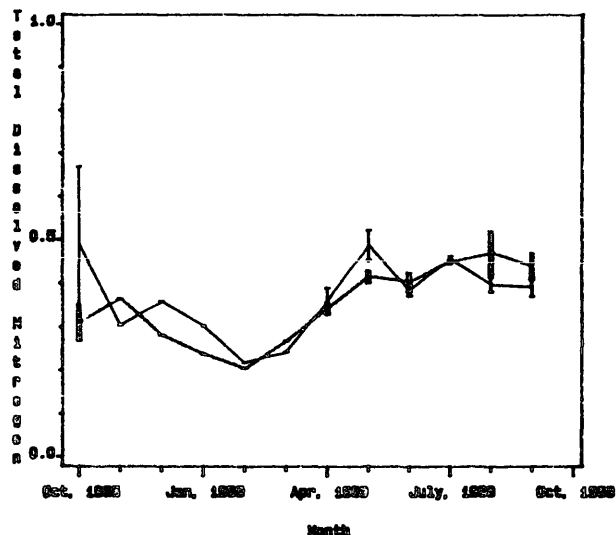
LAYER — Surface — Bottom

Station Id-CB7.2



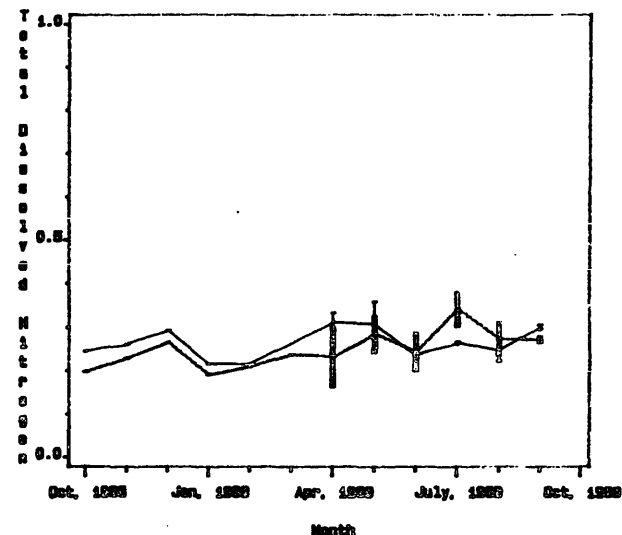
LAYER — Surface — Bottom

Station Id-CB7.2E



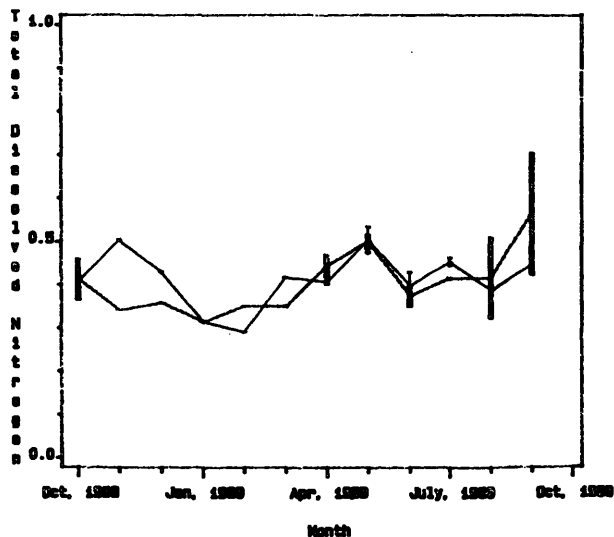
LAYER — Surface — Bottom

Station Id-CB7.2E



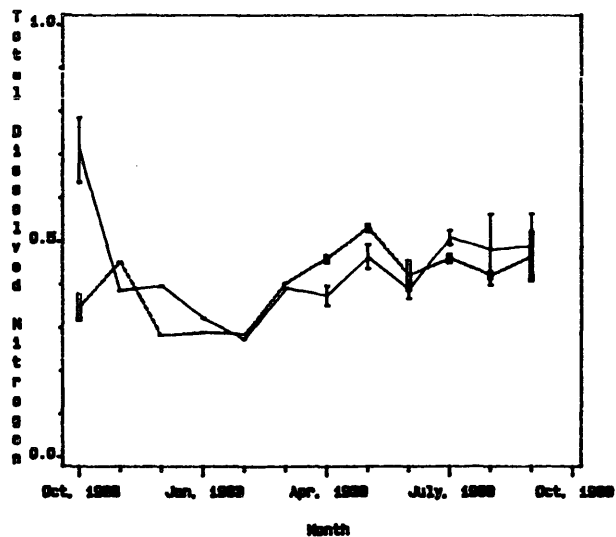
LAYER — Surface — Bottom

Station Id-LE3.6



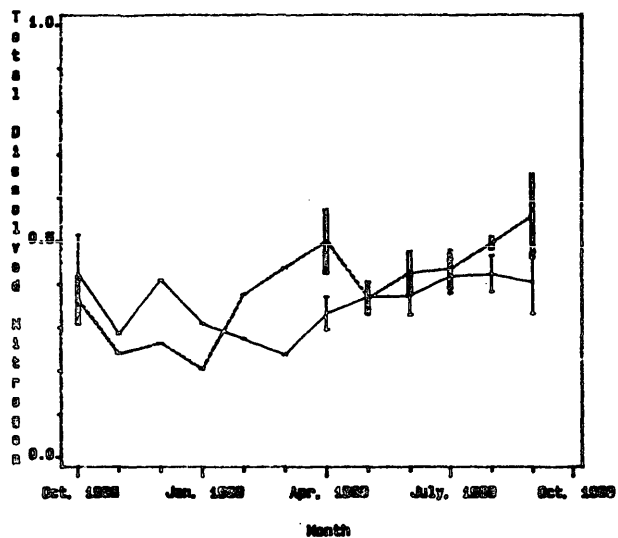
LAYER — Surface — Bottom

Station Id-LE3.7



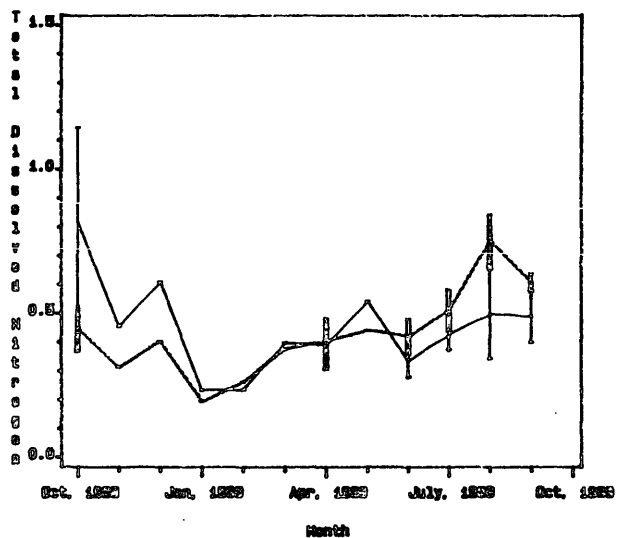
LAYER — Surface — Bottom

Station Id-ME4.1



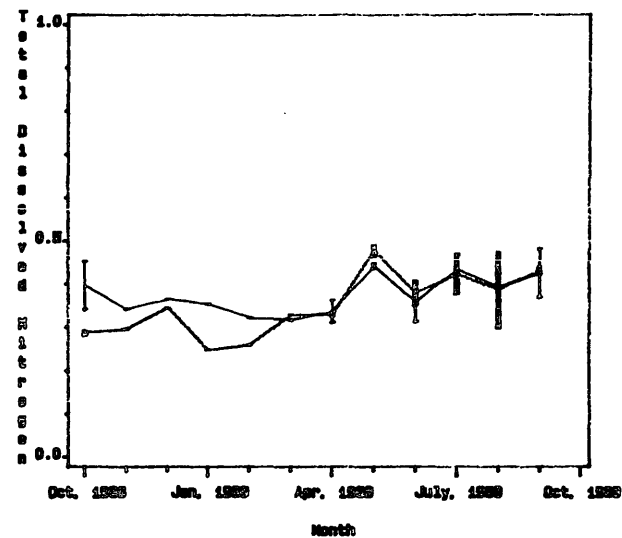
LAYER — Surface — Bottom

Station Id-ME4.2



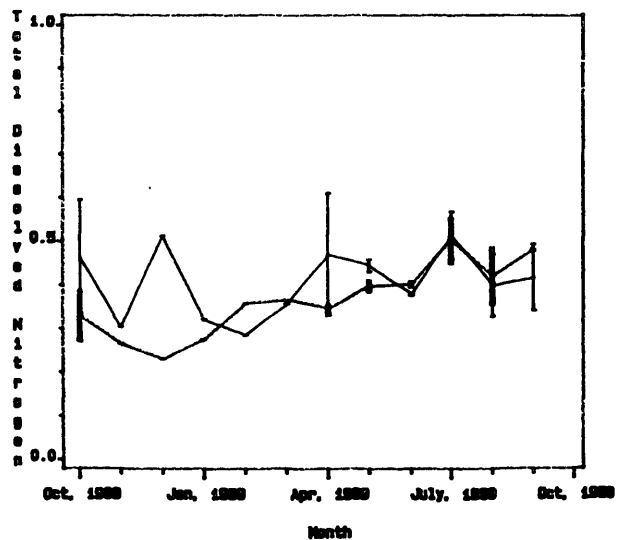
LAYER — Surface — Bottom

Station Id-ME4.3



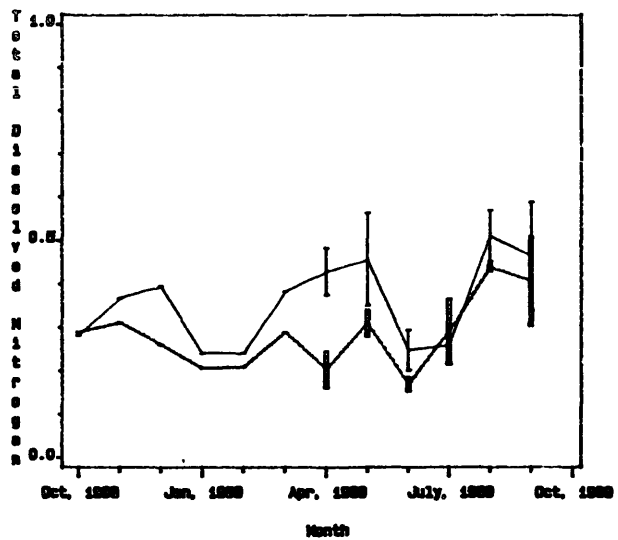
LAYER — Surface — Bottom

Station Id-ME4.4



LAYER — Surface — Bottom

Station Id-LE5.5



LAYER — Surface — Bottom

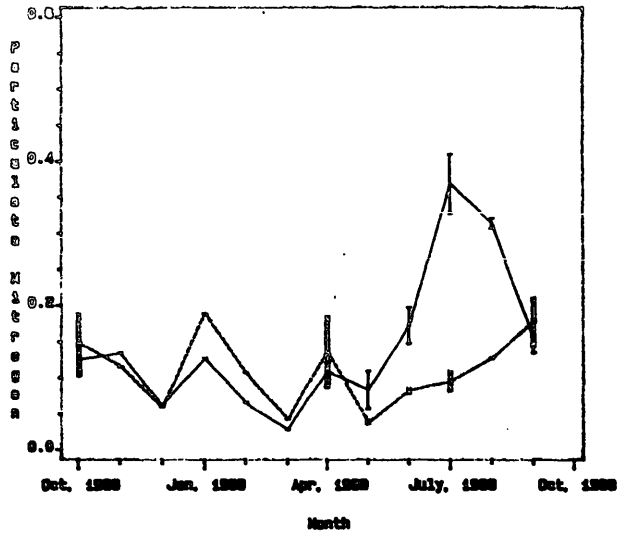
PARTICULATE NITROGEN

Values reported as mg/l.

Particulate Nitrogen
October, 1988 - September, 1989

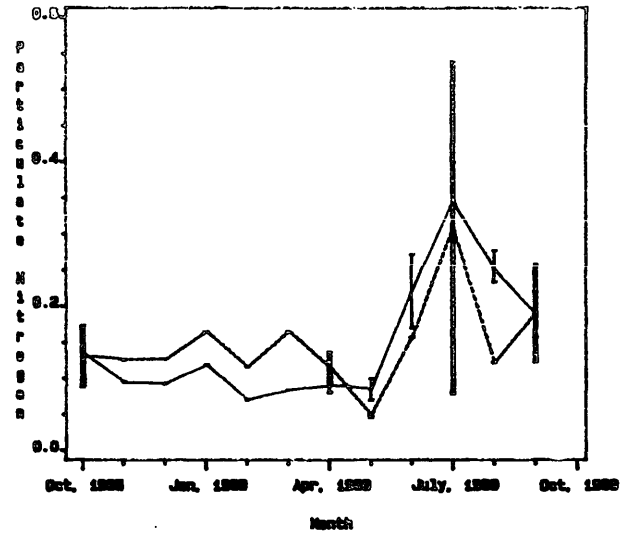
| | Particulate Nitrogen | | | | | |
|-------------|----------------------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 0.4090 | 0.1614 | 0.0270 | 0.2110 | 0.1118 | 0.0350 |
| CB5.4..... | 0.3990 | 0.1672 | 0.0700 | 0.5400 | 0.1494 | 0.0460 |
| CB5.5..... | 0.3110 | 0.1371 | 0.0280 | 0.4680 | 0.1366 | 0.0280 |
| CB6.1..... | 0.3240 | 0.1535 | 0.0520 | 0.7200 | 0.1356 | 0.0430 |
| CB6.2..... | 0.2770 | 0.1477 | 0.0590 | 0.7230 | 0.1541 | 0.0430 |
| CB6.3..... | 0.3310 | 0.1593 | 0.0530 | 0.2630 | 0.1217 | 0.0520 |
| CB6.4..... | 0.3360 | 0.1081 | 0.0250 | 1.0500 | 0.1250 | 0.0250 |
| CB7.3..... | 1.0500 | 0.1021 | 0.0250 | 0.2970 | 0.0809 | 0.0250 |
| CB7.4..... | 0.2780 | 0.0843 | 0.0250 | 0.2780 | 0.0798 | 0.0250 |
| CB7.4N..... | 0.2530 | 0.0867 | 0.0250 | 0.3240 | 0.1034 | 0.0250 |
| CB8.1E..... | 0.3240 | 0.1171 | 0.0250 | 0.3010 | 0.0971 | 0.0250 |
| CB8.1..... | 0.2770 | 0.0999 | 0.0250 | 0.2770 | 0.1096 | 0.0250 |
| EE3.1..... | 0.4560 | 0.1944 | 0.0580 | 0.4730 | 0.1870 | 0.0620 |
| EE3.2..... | 0.2940 | 0.1677 | 0.0800 | 0.4160 | 0.2113 | 0.0830 |
| CB7.1N..... | 0.2660 | 0.1543 | 0.0480 | 0.2660 | 0.1512 | 0.0680 |
| CB7.1..... | 0.2700 | 0.1475 | 0.0560 | 0.3660 | 0.1324 | 0.0310 |
| CB7.1S..... | 0.2980 | 0.1331 | 0.0130 | 0.1500 | 0.0956 | 0.0270 |
| CB5.4W..... | 0.3900 | 0.1867 | 0.0380 | 0.4180 | 0.1856 | 0.0670 |
| CB7.2..... | 0.4890 | 0.1578 | 0.0280 | 0.2630 | 0.1107 | 0.0520 |
| CB7.2E..... | 0.3330 | 0.1452 | 0.0510 | 0.1870 | 0.1003 | 0.0410 |
| CB7.3E..... | 0.3090 | 0.1051 | 0.0250 | 0.3090 | 0.0952 | 0.0250 |
| LE3.6..... | 0.3350 | 0.1502 | 0.0620 | 0.3520 | 0.1491 | 0.0730 |
| LE3.7..... | 0.3780 | 0.1450 | 0.0360 | 0.2830 | 0.1494 | 0.0270 |
| WE4.1..... | 0.2780 | 0.1527 | 0.0810 | 0.2510 | 0.1523 | 0.0800 |
| WE4.2..... | 0.2520 | 0.1362 | 0.0710 | 0.2110 | 0.1357 | 0.0770 |
| WE4.3..... | 0.3130 | 0.1448 | 0.0660 | 0.2900 | 0.1574 | 0.0580 |
| WE4.4..... | 0.2800 | 0.1416 | 0.0130 | 0.2890 | 0.1532 | 0.0470 |
| LE5.5..... | 0.3200 | 0.1292 | 0.0250 | 0.3200 | 0.1143 | 0.0250 |

Station Id-C23.1



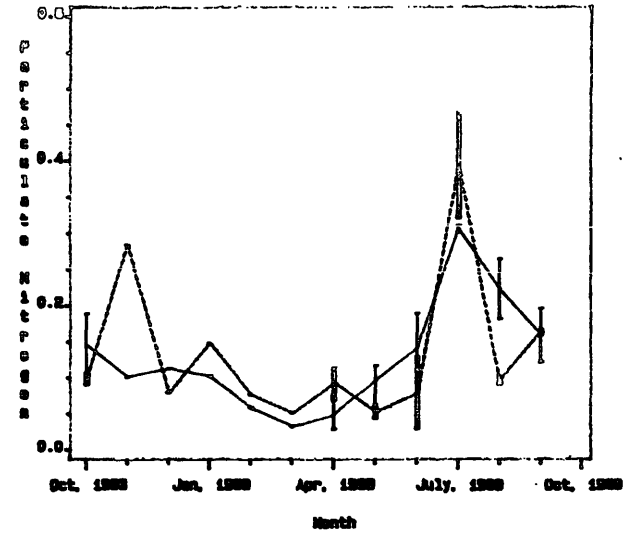
LAYER — Surface — Bottom

Station Id-C23.4



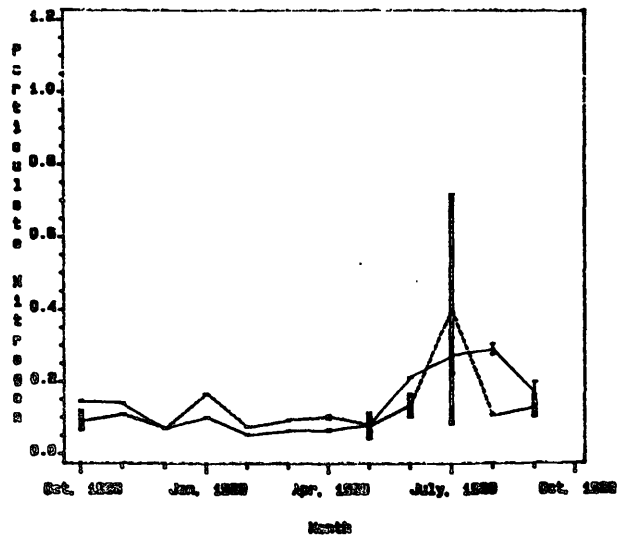
LAYER — Surface — Bottom

Station Id-C23.8



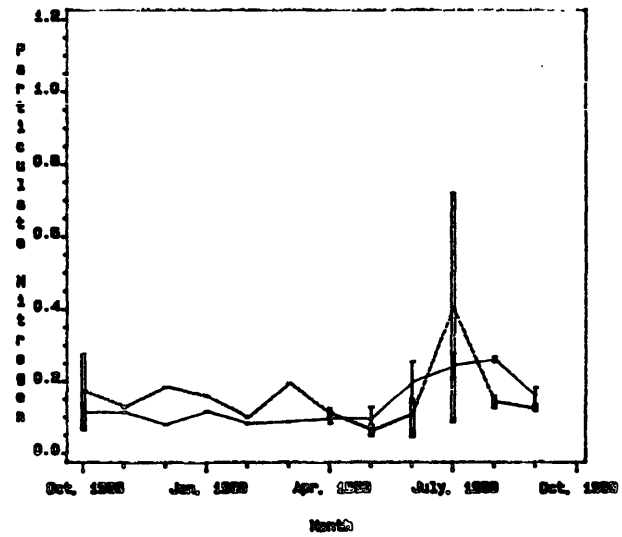
LAYER — Surface — Bottom

Station Id-C26.1



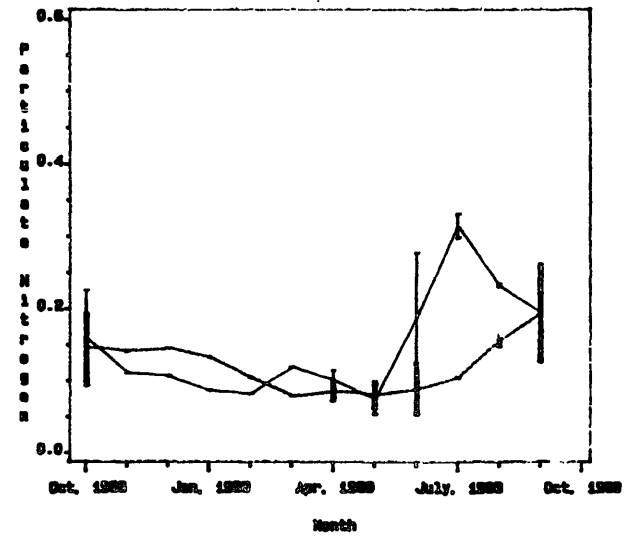
LAYER — Surface — Bottom

Station Id-C26.2



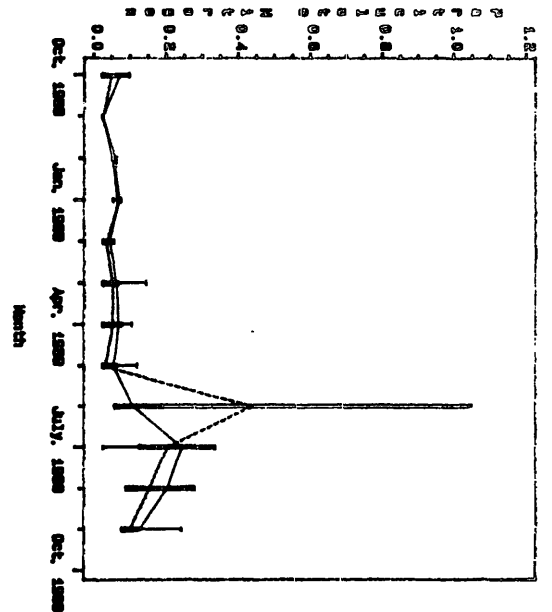
LAYER — Surface — Bottom

Station Id-C26.3

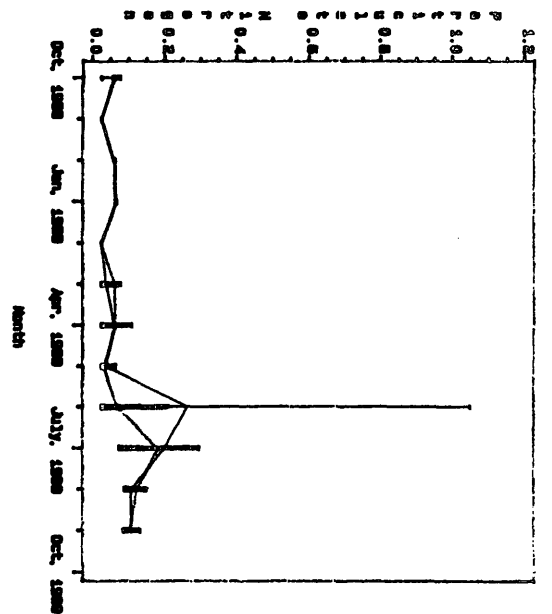


LAYER — Surface — Bottom

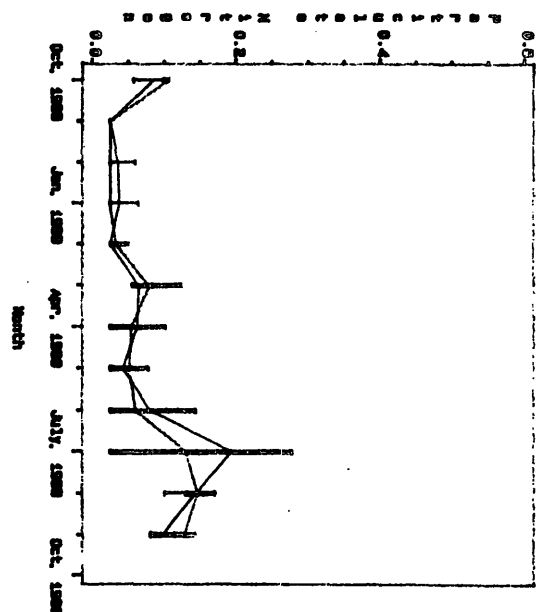
Station 26-523.4



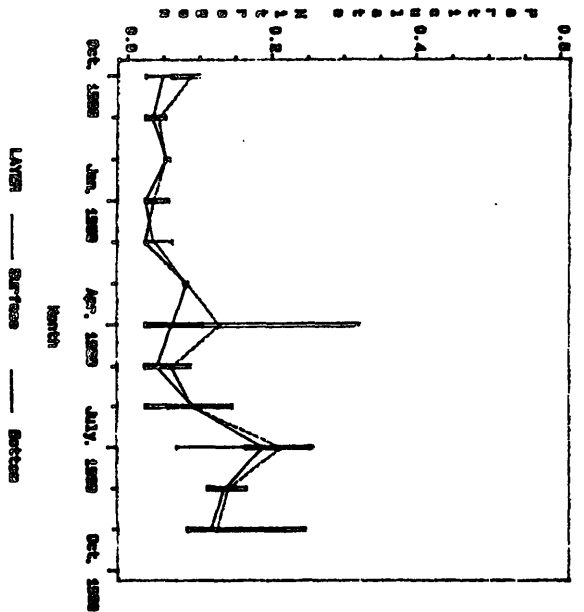
Station 26-527.9



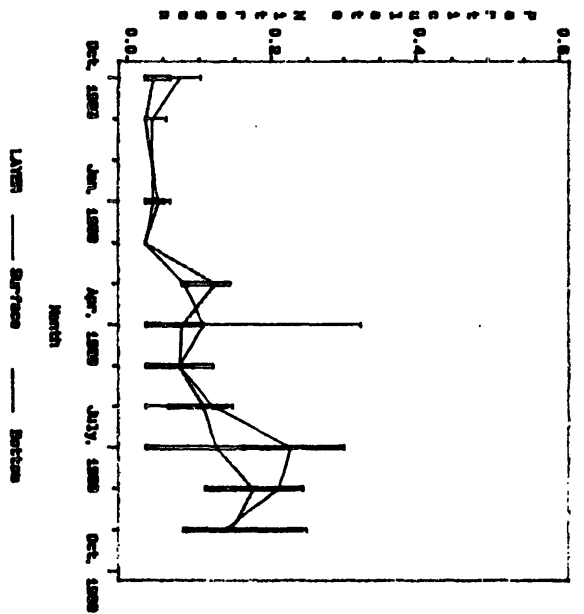
Station 26-527.4



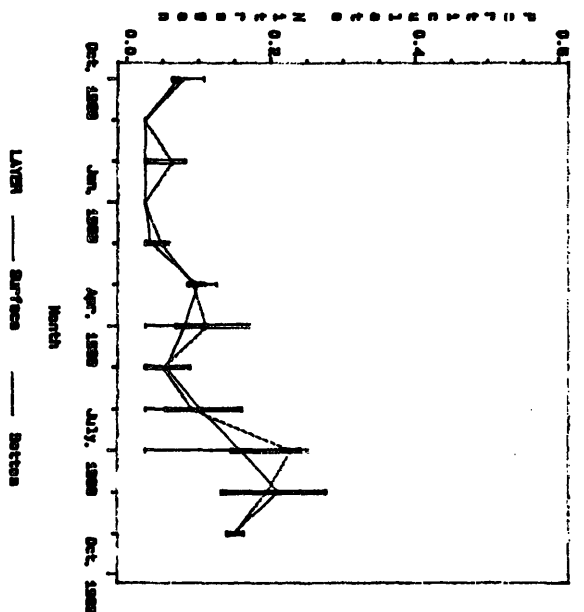
Station 26-527.41



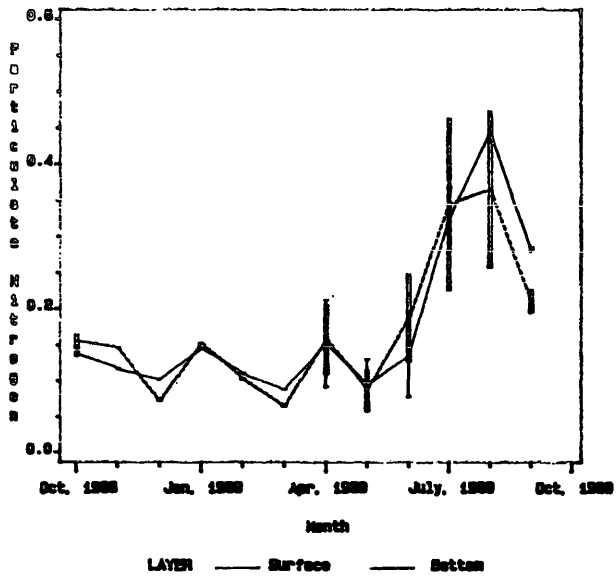
Station 26-528.12



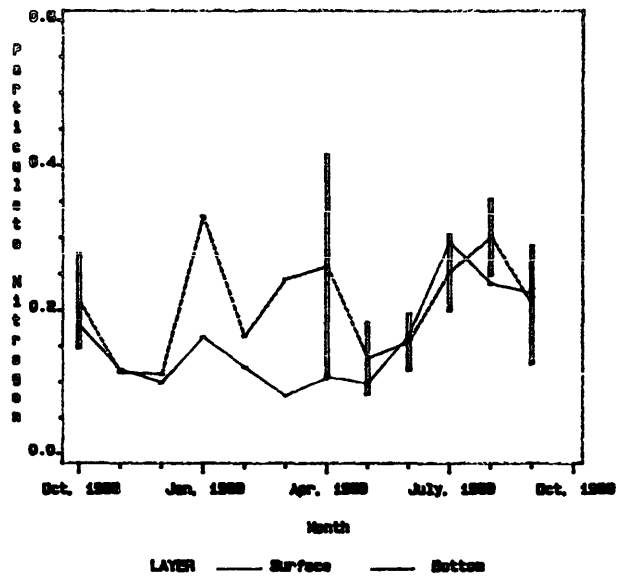
Station 26-528.1



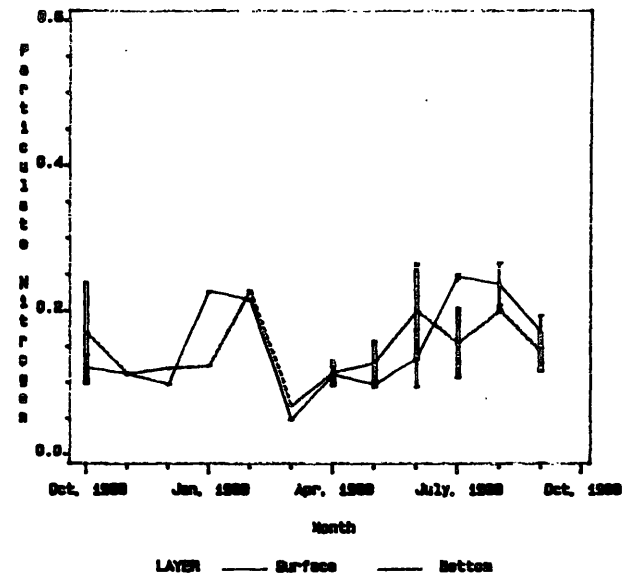
Station Id-CE7.1



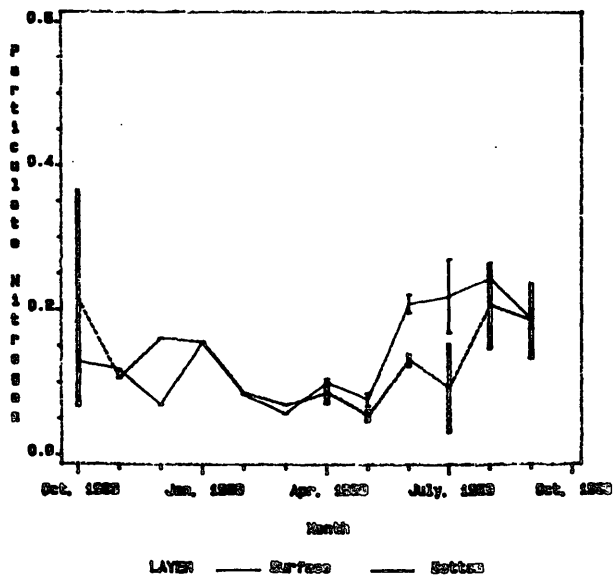
Station Id-CE7.2



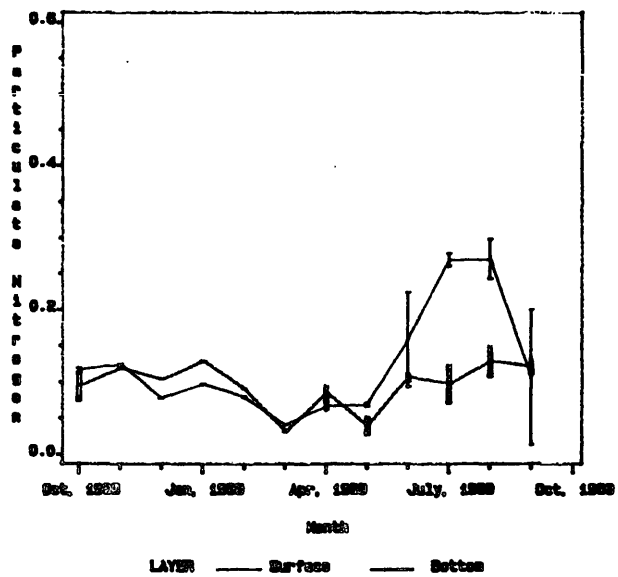
Station Id-CE7.1N



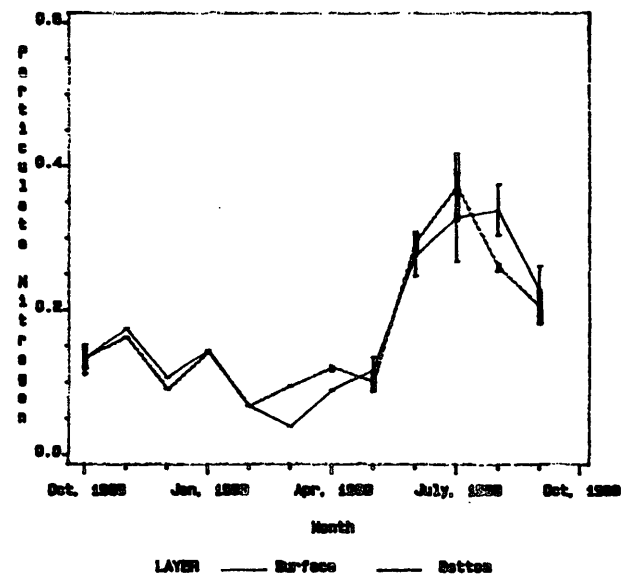
Station Id-CE7.1



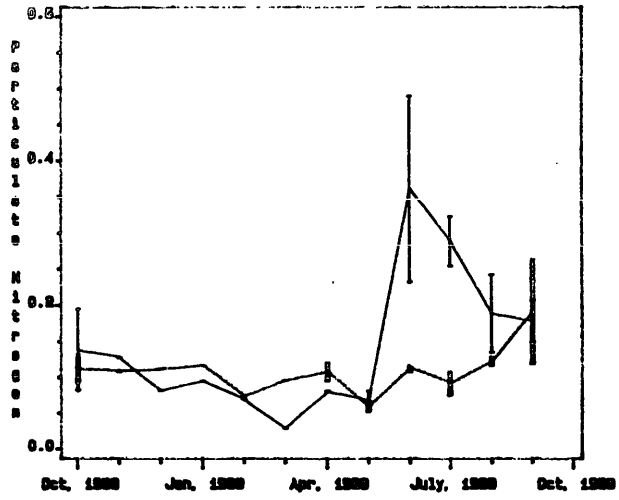
Station Id-CE7.1S



Station Id-CE7.1N

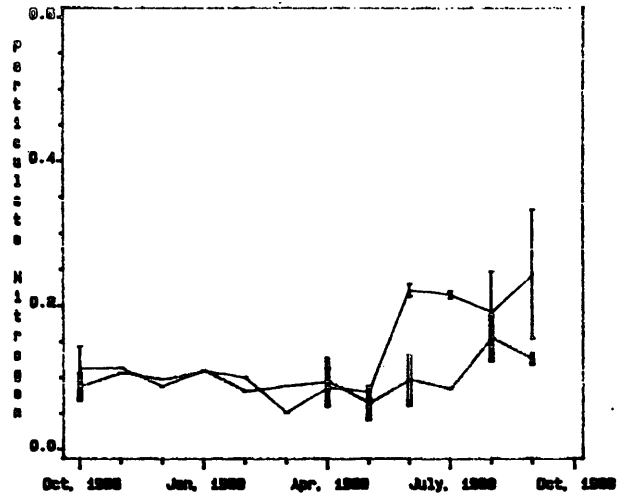


Station Id-CV.8



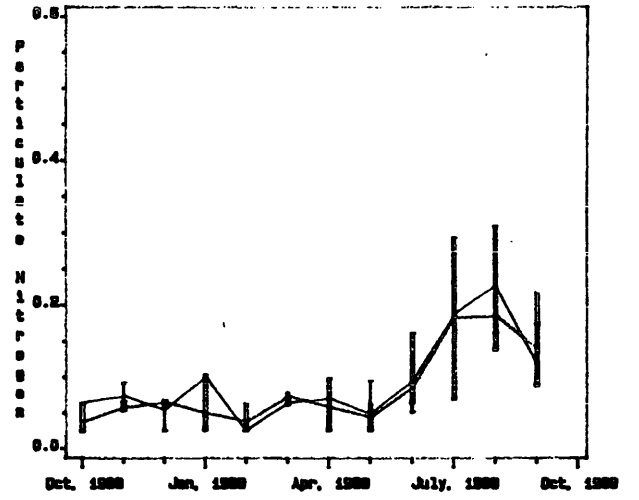
LAYER — Surface — Bottom

Station Id-CV.92



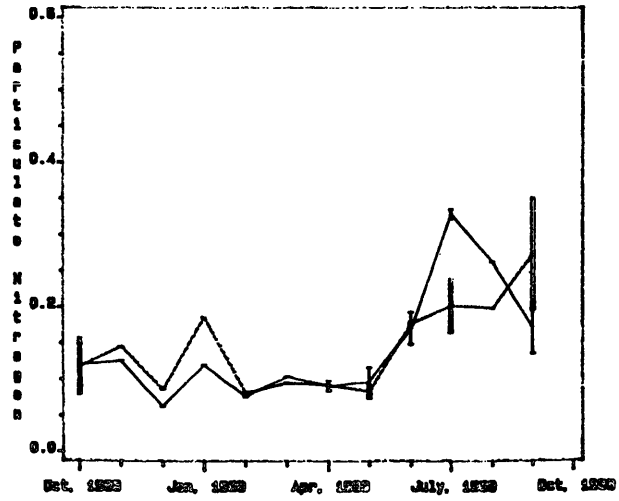
LAYER — Surface — Bottom

Station Id-CV.92



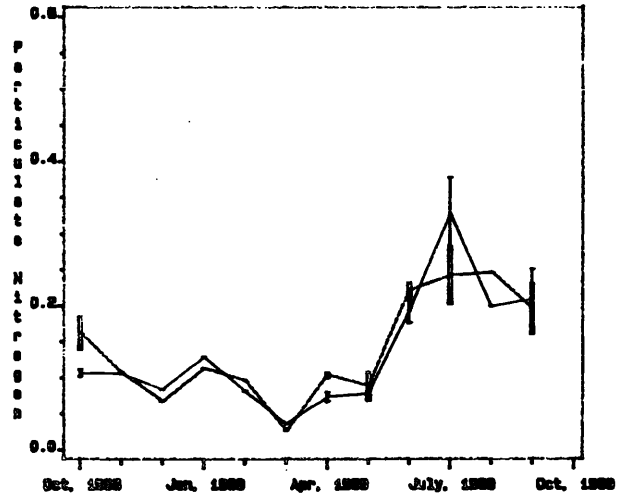
LAYER — Surface — Bottom

Station Id-L29.8



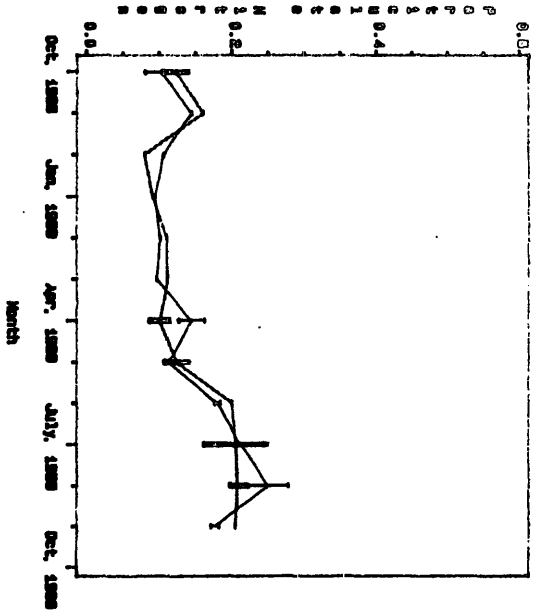
LAYER — Surface — Bottom

Station Id-L29.7

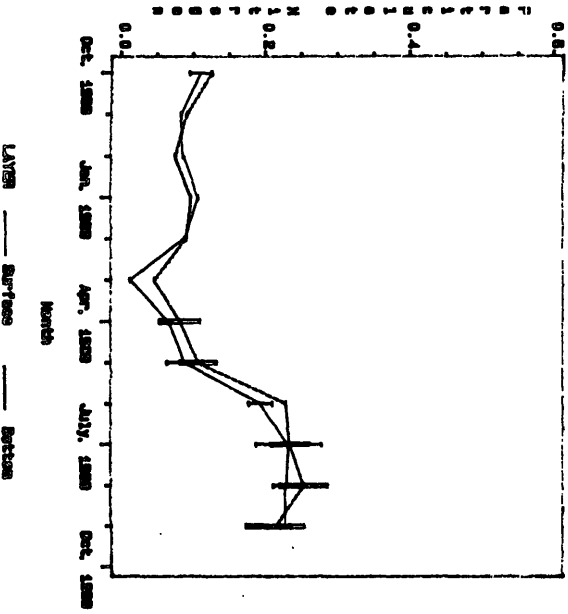


LAYER — Surface — Bottom

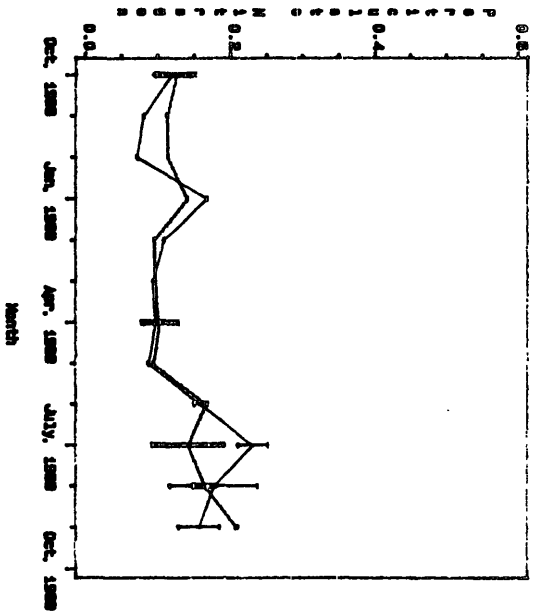
Section 26-274.1



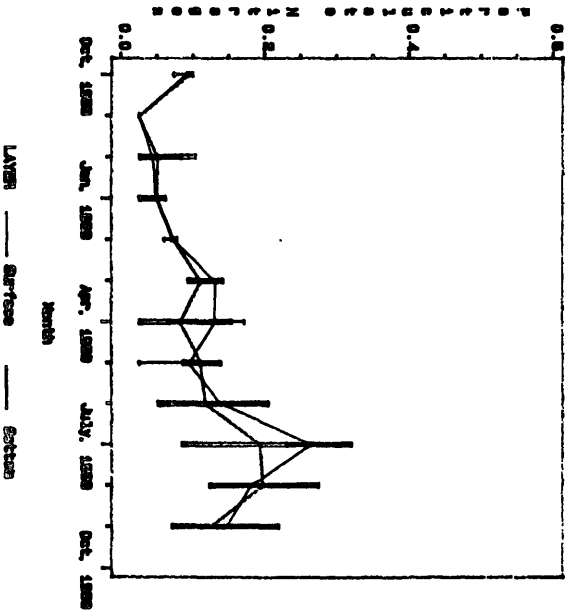
Section 26-274.4



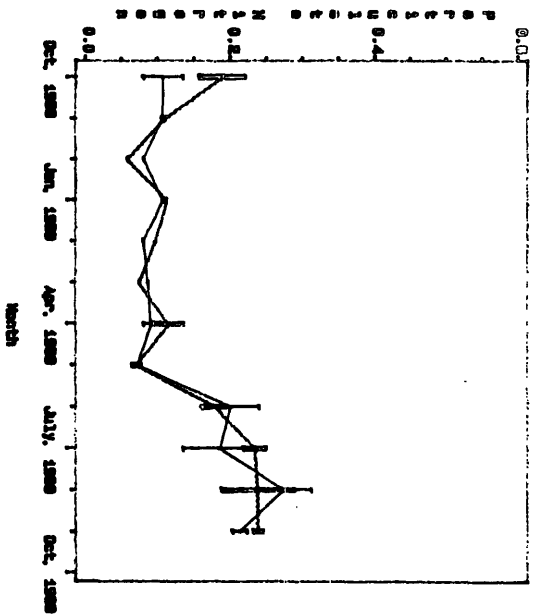
Section 26-274.8



Section 26-274.8



Section 26-274.9



Section 26-274.9



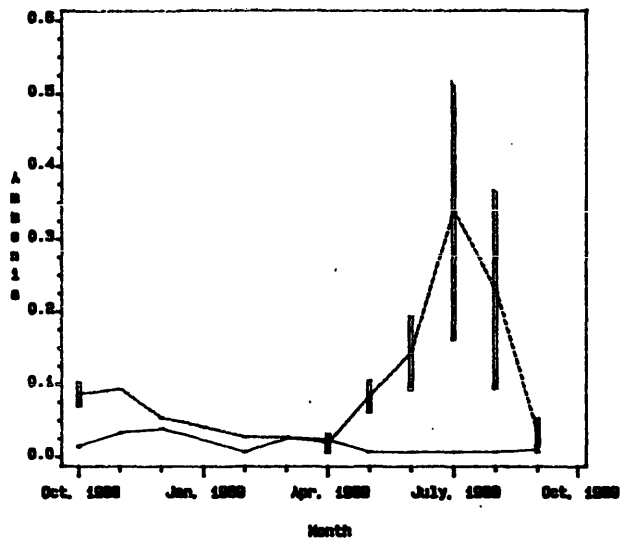
AMMONIA

Values reported as mg/l.

Ammonia
October, 1988 - September, 1989

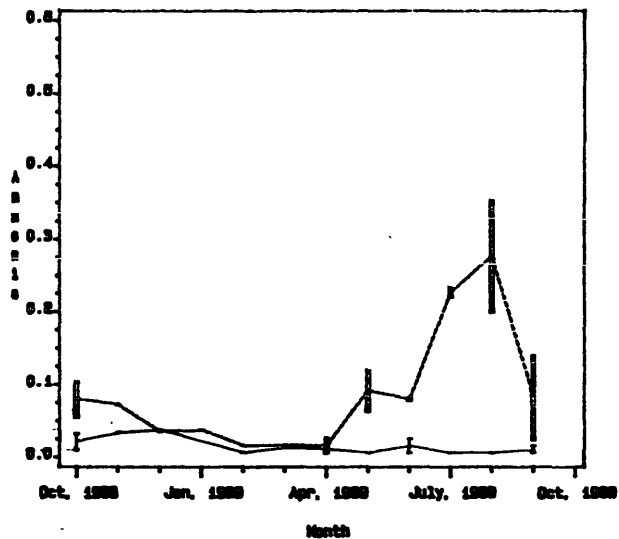
| | Ammonia | | | | | |
|-------------|---------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 0.0390 | 0.0142 | 0.0065 | 0.5180 | 0.1116 | 0.0065 |
| CB5.4..... | 0.0380 | 0.0138 | 0.0065 | 0.3550 | 0.1000 | 0.0065 |
| CB5.5..... | 0.0270 | 0.0123 | 0.0050 | 0.3240 | 0.0919 | 0.0065 |
| CB6.1..... | 0.0330 | 0.0122 | 0.0050 | 0.3150 | 0.0815 | 0.0065 |
| CB6.2..... | 0.0730 | 0.0148 | 0.0065 | 0.2920 | 0.0733 | 0.0065 |
| CB6.3..... | 0.0640 | 0.0166 | 0.0065 | 0.2980 | 0.0763 | 0.0130 |
| CB6.4..... | 0.0480 | 0.0124 | 0.0030 | 0.2490 | 0.0708 | 0.0080 |
| CB7.3..... | 0.0360 | 0.0119 | 0.0030 | 0.1270 | 0.0387 | 0.0030 |
| CB7.4..... | 0.0340 | 0.0117 | 0.0030 | 0.1080 | 0.0262 | 0.0030 |
| CB7.4N..... | 0.0270 | 0.0080 | 0.0030 | 0.0200 | 0.0071 | 0.0030 |
| CB8.1E..... | 0.0780 | 0.0240 | 0.0030 | 0.0880 | 0.0316 | 0.0030 |
| CB8.1..... | 0.0710 | 0.0286 | 0.0030 | 0.1290 | 0.0452 | 0.0070 |
| EE3.1..... | 0.1010 | 0.0220 | 0.0050 | 0.1770 | 0.0345 | 0.0050 |
| EE3.2..... | 0.0580 | 0.0165 | 0.0050 | 0.1980 | 0.0535 | 0.0050 |
| CB7.1N..... | 0.0370 | 0.0120 | 0.0050 | 0.1840 | 0.0602 | 0.0065 |
| CB7.1..... | 0.0440 | 0.0099 | 0.0050 | 0.2110 | 0.0726 | 0.0065 |
| CB7.1S..... | 0.0320 | 0.0105 | 0.0065 | 0.1910 | 0.0758 | 0.0065 |
| CB5.4W..... | 0.0630 | 0.0160 | 0.0050 | 0.0500 | 0.0199 | 0.0050 |
| CB7.2..... | 0.0670 | 0.0146 | 0.0065 | 0.1790 | 0.0690 | 0.0065 |
| CB7.2E..... | 0.0790 | 0.0147 | 0.0065 | 0.1500 | 0.0601 | 0.0065 |
| CB7.3E..... | 0.0350 | 0.0136 | 0.0030 | 0.1350 | 0.0428 | 0.0030 |
| LE3.6..... | 0.0410 | 0.0159 | 0.0065 | 0.1650 | 0.0263 | 0.0065 |
| LE3.7..... | 0.0280 | 0.0121 | 0.0010 | 0.0730 | 0.0224 | 0.0065 |
| WE4.1..... | 0.0730 | 0.0195 | 0.0065 | 0.0880 | 0.0262 | 0.0040 |
| WE4.2..... | 0.1030 | 0.0281 | 0.0065 | 0.5270 | 0.0980 | 0.0065 |
| WE4.3..... | 0.0690 | 0.0154 | 0.0065 | 0.0710 | 0.0199 | 0.0040 |
| WE4.4..... | 0.0650 | 0.0172 | 0.0040 | 0.0680 | 0.0209 | 0.0040 |
| LE5.5..... | 0.1020 | 0.0442 | 0.0030 | 0.2160 | 0.0655 | 0.0110 |

Station Id-CBS.3



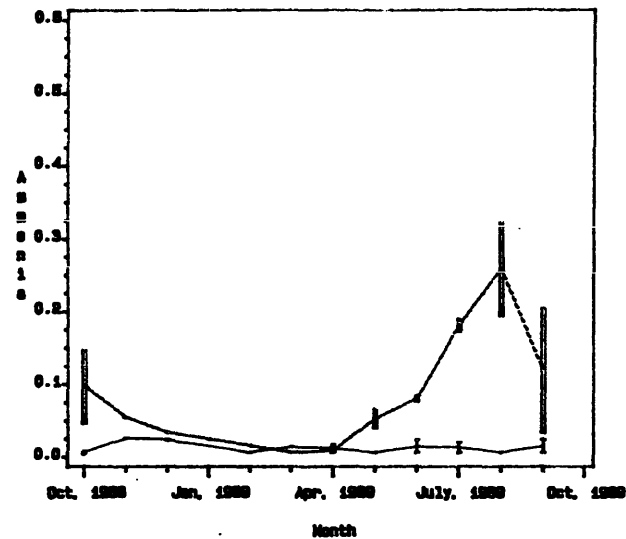
LAYER — Surface — Bottom

Station Id-CBS.4



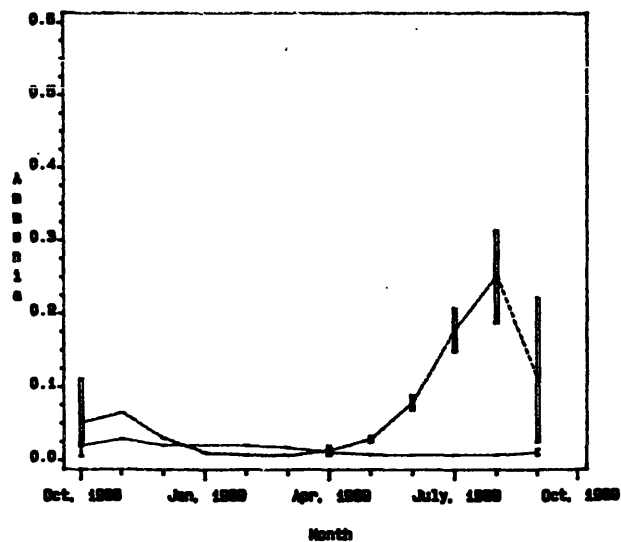
LAYER — Surface — Bottom

Station Id-CBS.5



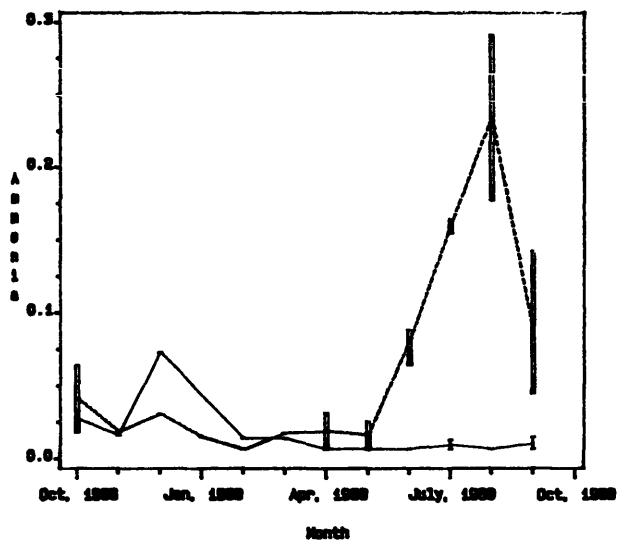
LAYER — Surface — Bottom

Station Id-CBS.2



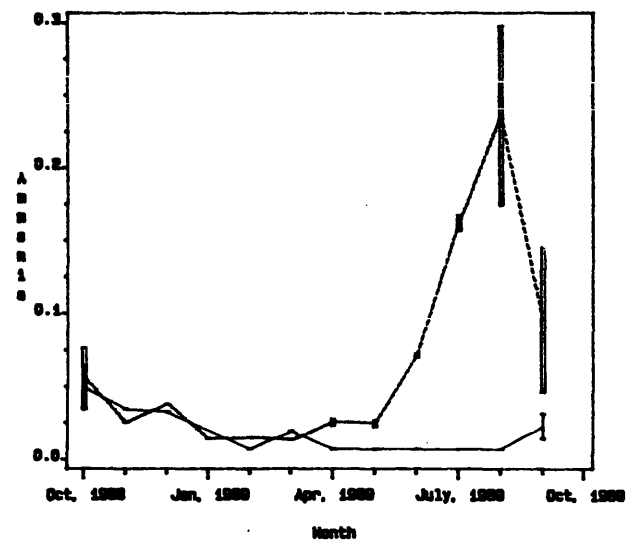
LAYER — Surface — Bottom

Station Id-CBS.2



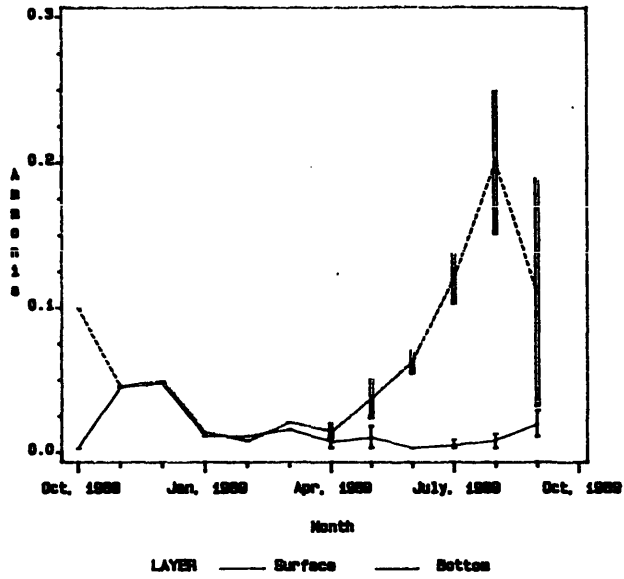
LAYER — Surface — Bottom

Station Id-CBS.3

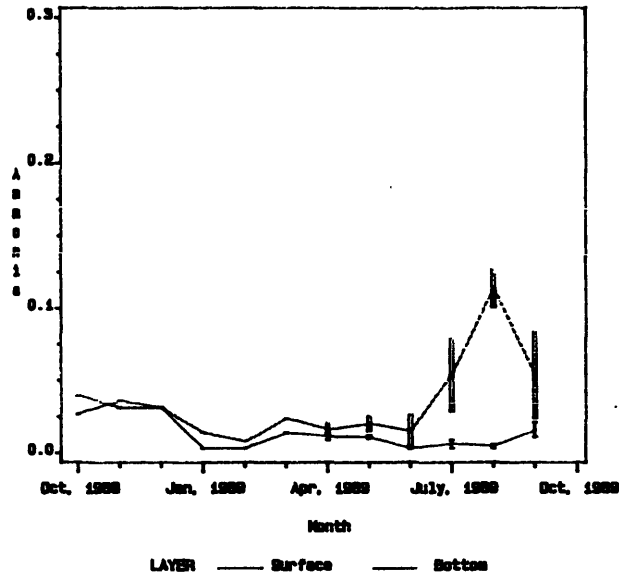


LAYER — Surface — Bottom

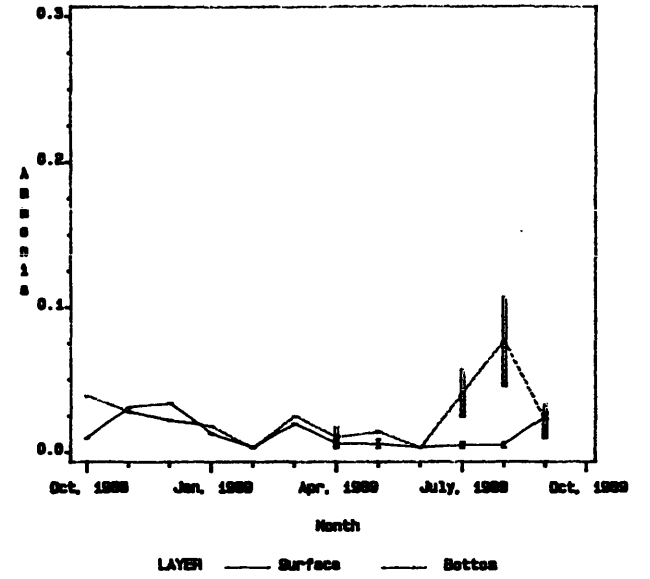
Station Id-CB6.4



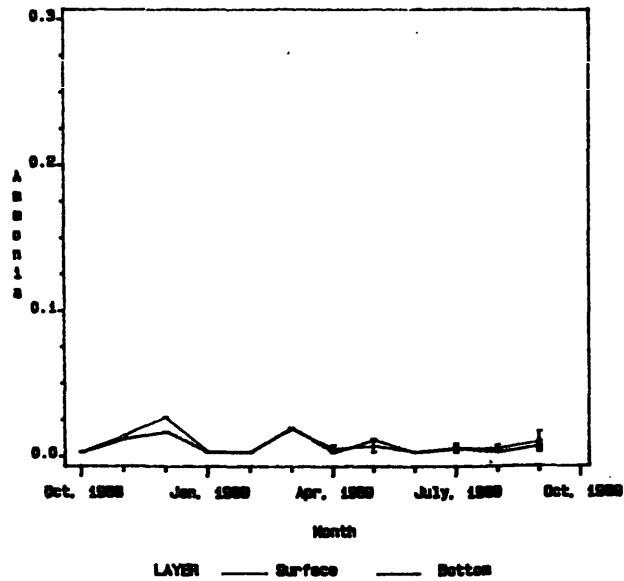
Station Id-CB7.3



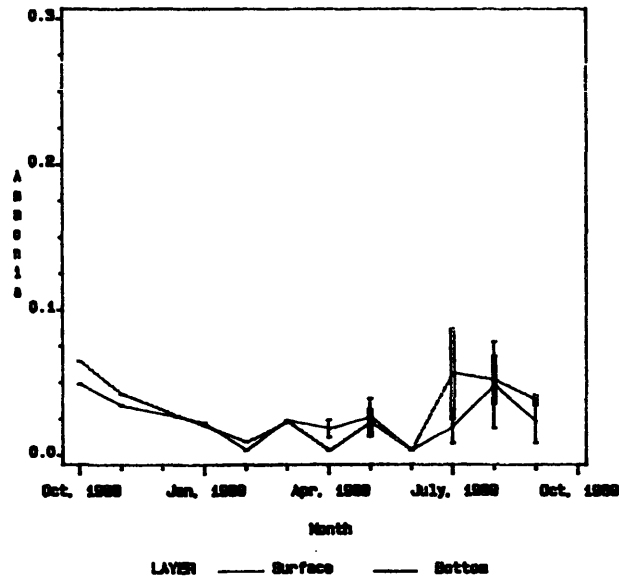
Station Id-CB7.4



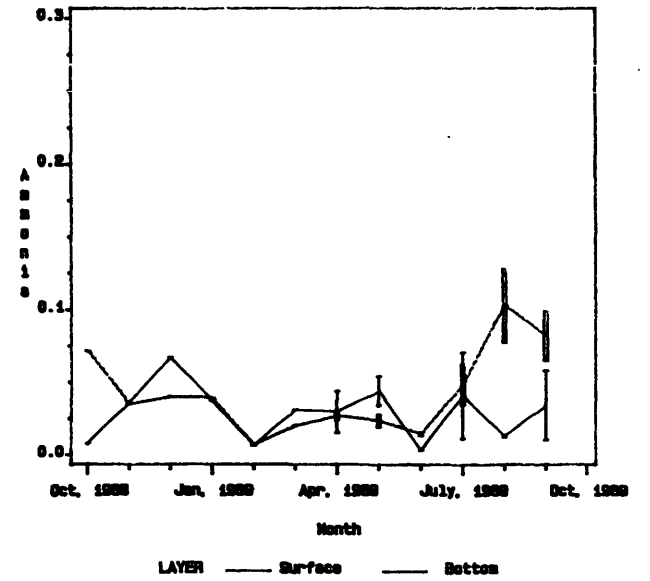
Station Id-CB7.4I



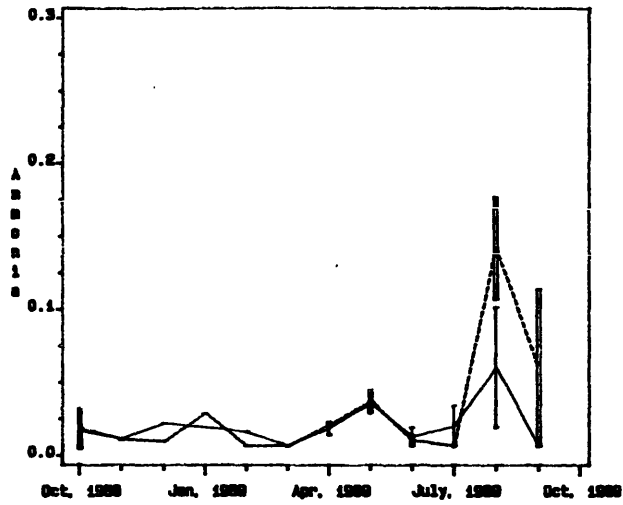
Station Id-CB8.1E



Station Id-CB8.1

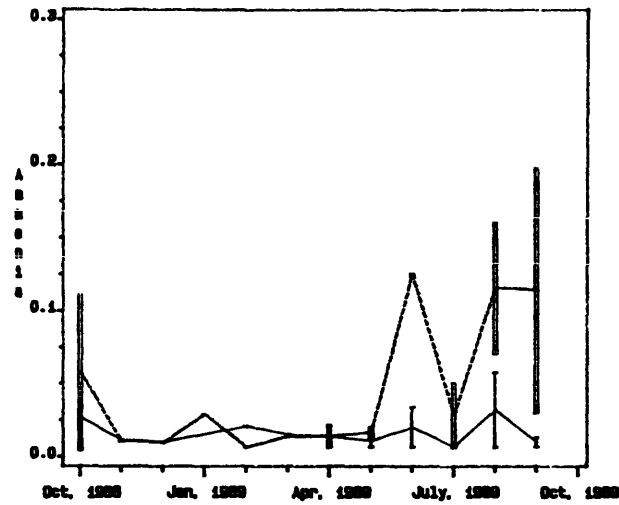


Station Id-CE3.1



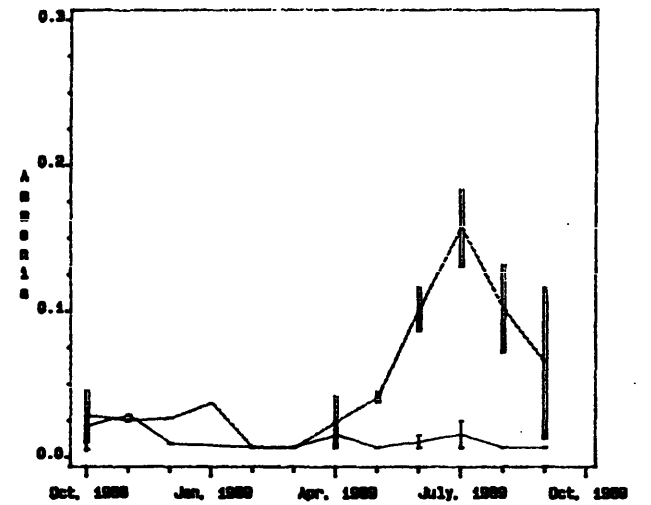
LAYER — Surface — Bottom

Station Id-CE3.2



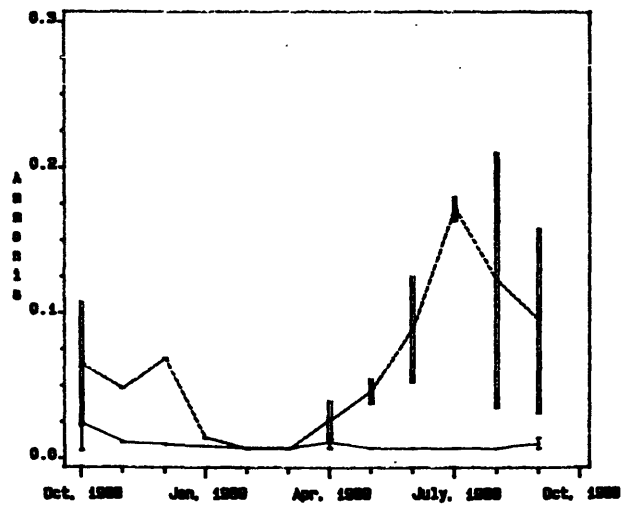
LAYER — Surface — Bottom

Station Id-CE7.1N



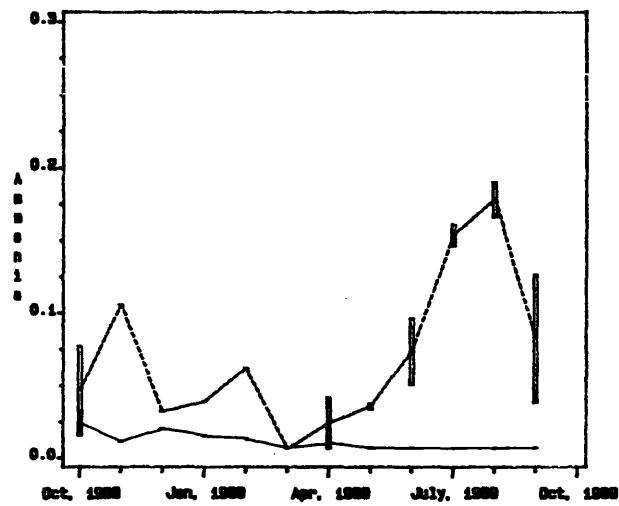
LAYER — Surface — Bottom

Station Id-CE7.1



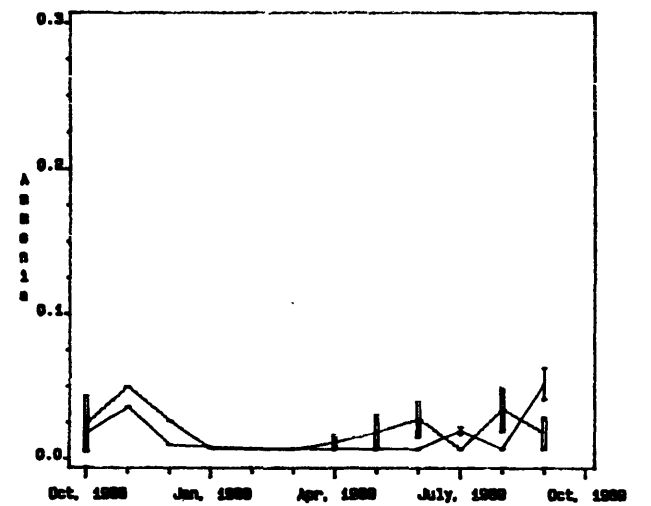
LAYER — Surface — Bottom

Station Id-CE7.1S



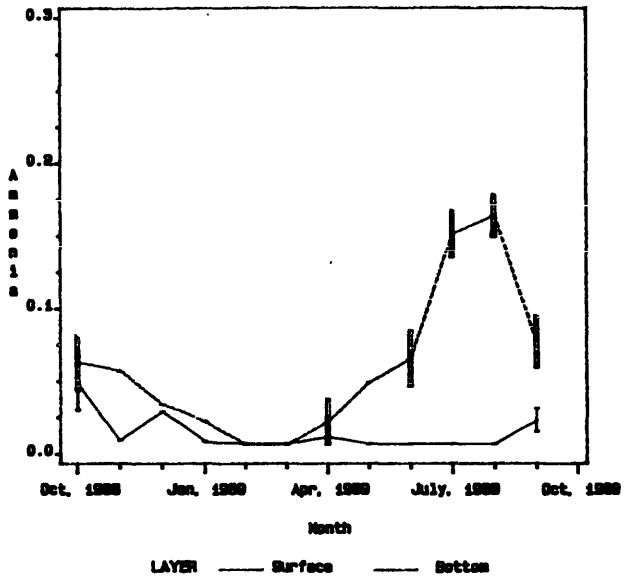
LAYER — Surface — Bottom

Station Id-CE8.4N

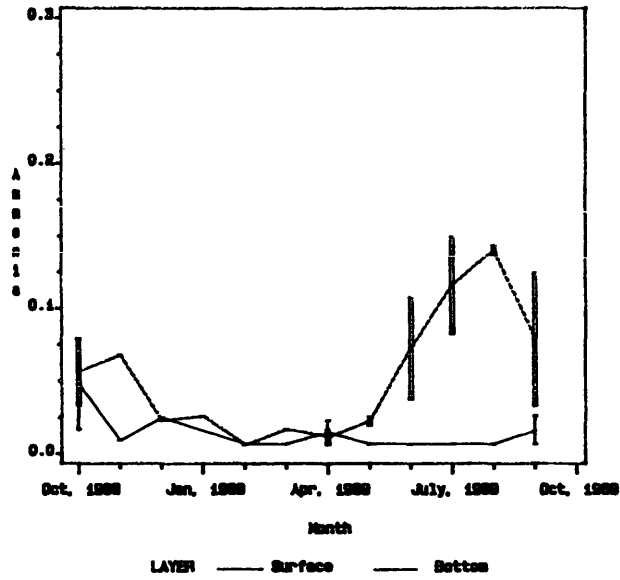


LAYER — Surface — Bottom

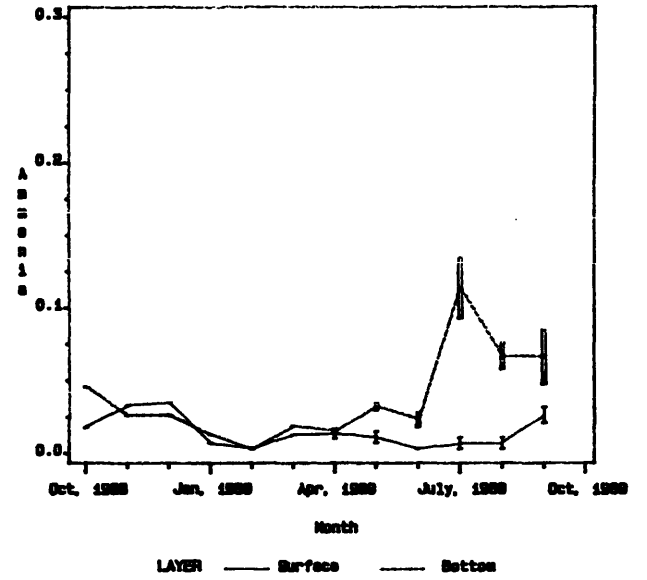
Station Id-CE7.2



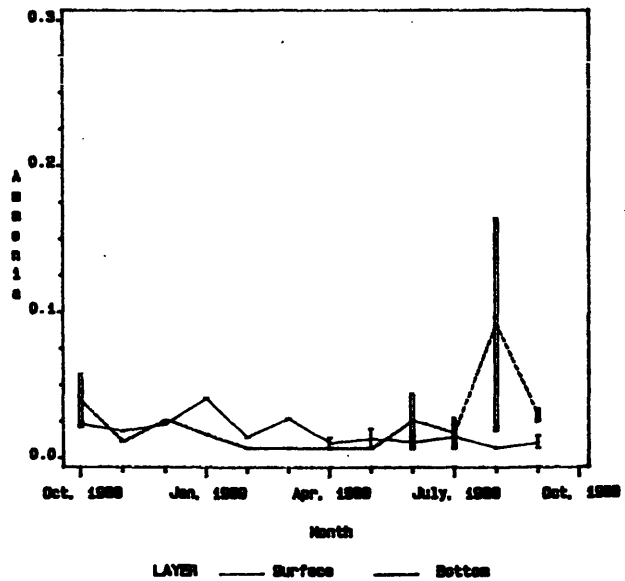
Station Id-CE7.2E



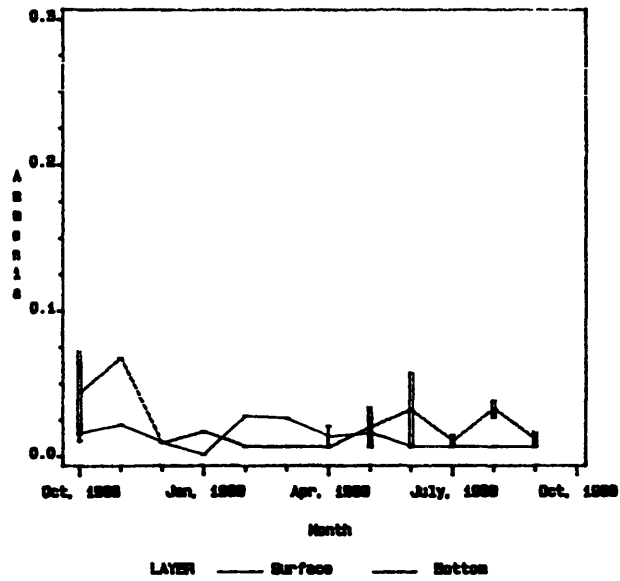
Station Id-CE7.2E



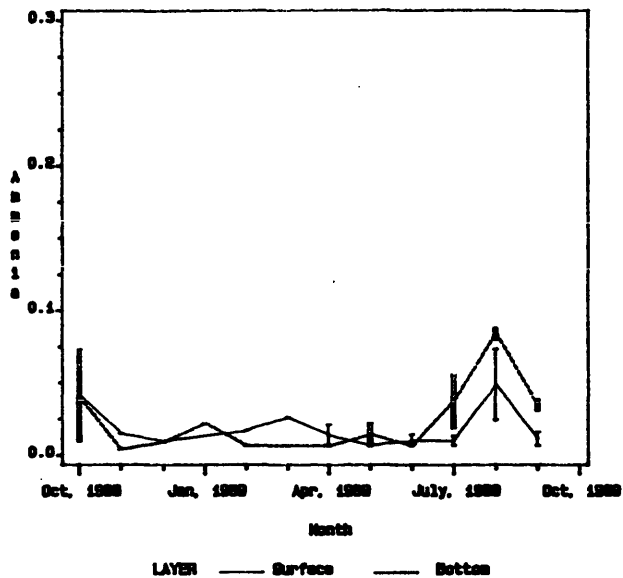
Station Id-LE9.6



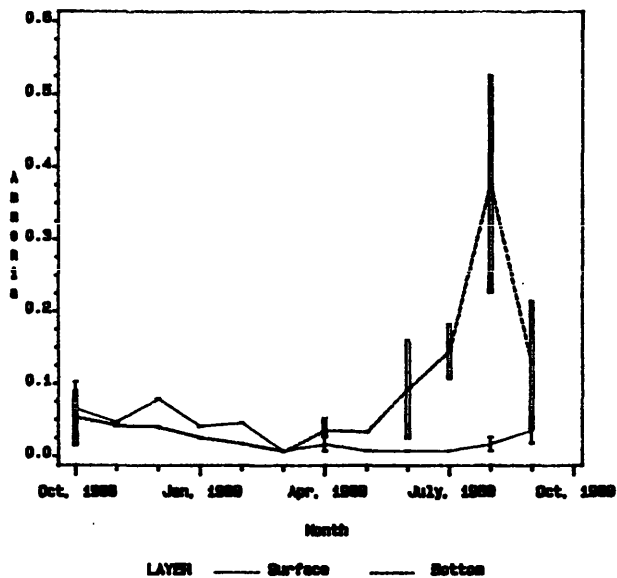
Station Id-LE9.7



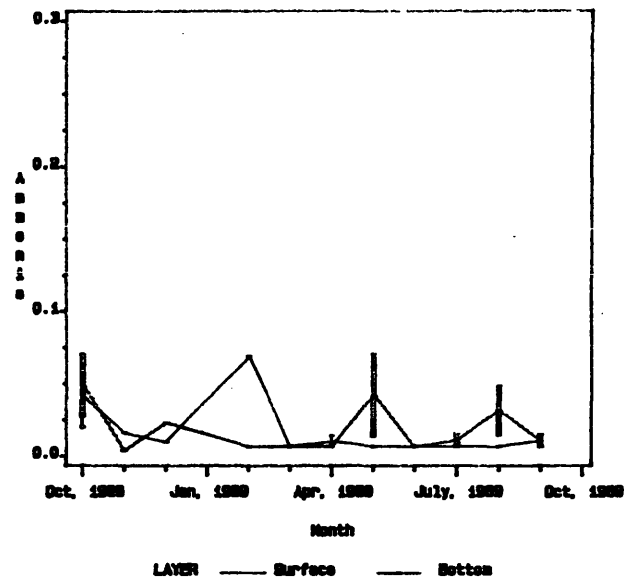
Station ID-ME4.1



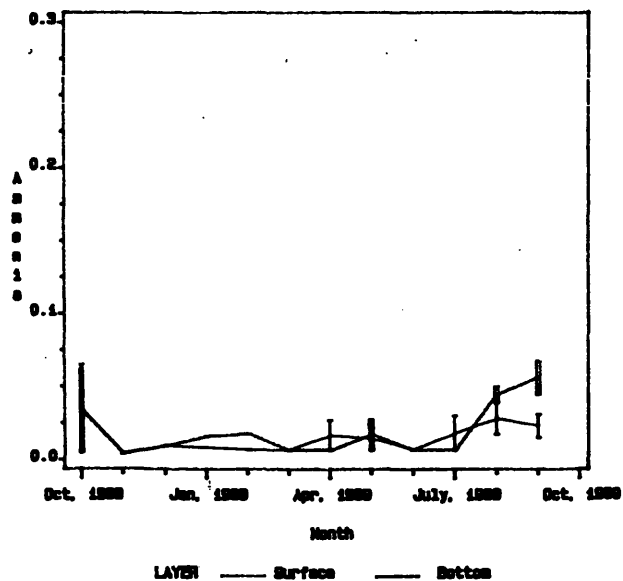
Station ID-ME4.2



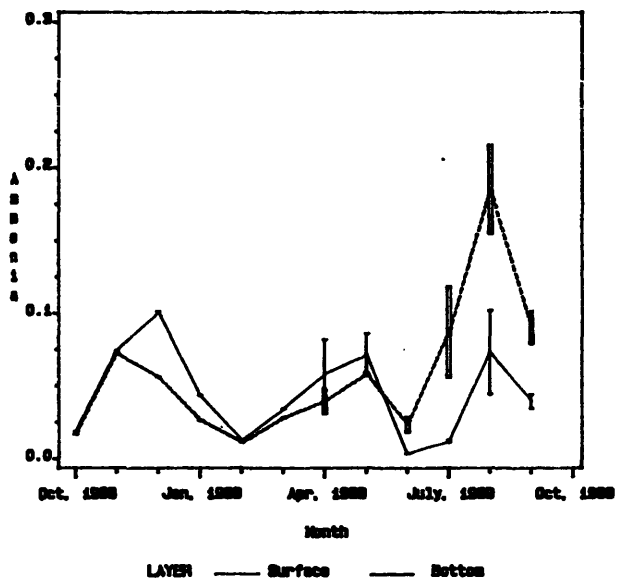
Station ID-ME4.3



Station ID-ME4.4



Station ID-LE5.5



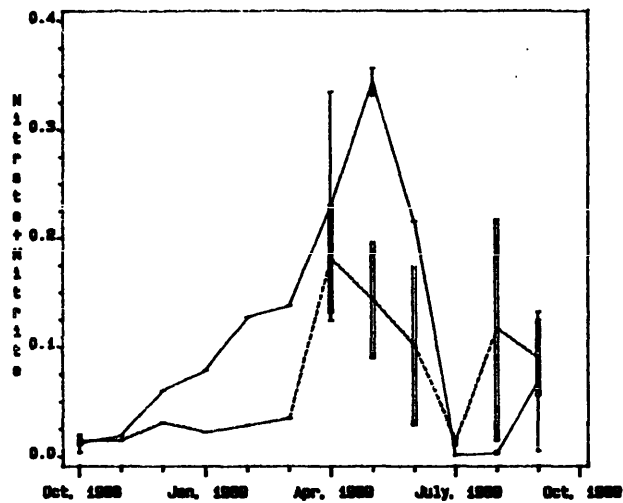
NITRATE + NITRITE

Values reported as mg/l.

Nitrate+Nitrite
October, 1988 - September, 1989

| | Nitrate+Nitrite | | | | | |
|-------------|-----------------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 0.3561 | 0.1082 | 0.0007 | 0.2309 | 0.0765 | 0.0098 |
| CB5.4..... | 0.3330 | 0.0941 | 0.0007 | 0.2155 | 0.0616 | 0.0050 |
| CB5.5..... | 0.3484 | 0.1008 | 0.0007 | 0.1610 | 0.0530 | 0.0075 |
| CB6.1..... | 0.2977 | 0.0735 | 0.0007 | 0.1940 | 0.0502 | 0.0040 |
| CB6.2..... | 0.2215 | 0.0526 | 0.0007 | 0.1896 | 0.0412 | 0.0040 |
| CB6.3..... | 0.1909 | 0.0441 | 0.0007 | 0.1279 | 0.0391 | 0.0064 |
| CB6.4..... | 0.0120 | 0.0026 | 0.0001 | 0.0230 | 0.0045 | 0.0003 |
| CB7.3..... | 0.0190 | 0.0032 | 0.0001 | 0.0180 | 0.0027 | 0.0001 |
| CB7.4..... | 0.0180 | 0.0027 | 0.0001 | 0.0170 | 0.0021 | 0.0001 |
| CB7.4N..... | 0.0140 | 0.0021 | 0.0001 | 0.0070 | 0.0013 | 0.0001 |
| CB8.1E..... | 0.0330 | 0.0058 | 0.0001 | 0.0130 | 0.0018 | 0.0001 |
| CB8.1..... | 0.0340 | 0.0077 | 0.0001 | 0.0300 | 0.0046 | 0.0001 |
| EE3.1..... | 0.2170 | 0.0665 | 0.0007 | 0.3016 | 0.0660 | 0.0007 |
| EE3.2..... | 0.1119 | 0.0346 | 0.0018 | 0.1069 | 0.0369 | 0.0007 |
| CB7.1N..... | 0.2215 | 0.0563 | 0.0000 | 0.1852 | 0.0456 | 0.0000 |
| CB7.1..... | 0.2226 | 0.0453 | 0.0017 | 0.1500 | 0.0370 | 0.0052 |
| CB7.1S..... | 0.2192 | 0.0445 | 0.0019 | 0.1309 | 0.0341 | 0.0018 |
| CB5.4W..... | 0.1875 | 0.0563 | 0.0000 | 0.1954 | 0.0597 | 0.0000 |
| CB7.2..... | 0.1846 | 0.0430 | 0.0007 | 0.1092 | 0.0245 | 0.0029 |
| CB7.2E..... | 0.1942 | 0.0399 | 0.0007 | 0.1118 | 0.0330 | 0.0064 |
| CB7.3E..... | 0.0220 | 0.0037 | 0.0001 | 0.0190 | 0.0029 | 0.0001 |
| LE3.6..... | 0.2089 | 0.0526 | 0.0018 | 0.2021 | 0.0586 | 0.0007 |
| LE3.7..... | 0.1103 | 0.0243 | 0.0007 | 0.1412 | 0.0356 | 0.0007 |
| WE4.1..... | 0.0679 | 0.0161 | 0.0007 | 0.0751 | 0.0230 | 0.0007 |
| WE4.2..... | 0.2001 | 0.0336 | 0.0007 | 0.0850 | 0.0272 | 0.0007 |
| WE4.3..... | 0.0586 | 0.0151 | 0.0007 | 0.0641 | 0.0185 | 0.0007 |
| WE4.4..... | 0.0739 | 0.0134 | 0.0007 | 0.0839 | 0.0120 | 0.0007 |
| LE5.5..... | 0.0820 | 0.0159 | 0.0001 | 0.0560 | 0.0076 | 0.0001 |

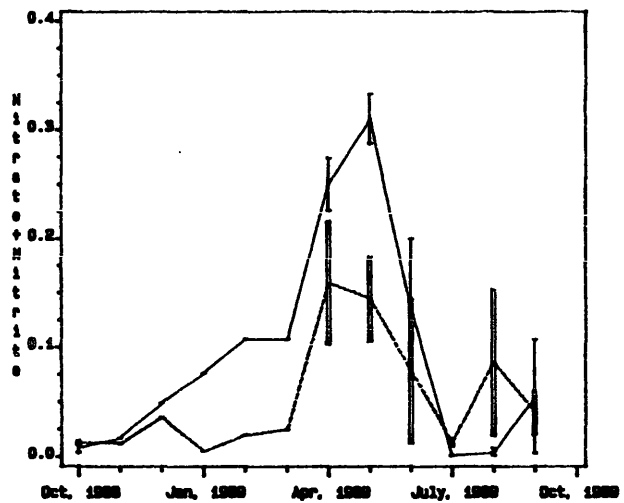
Station Id-CBS.3



Month

LAYER — Surface — Bottom

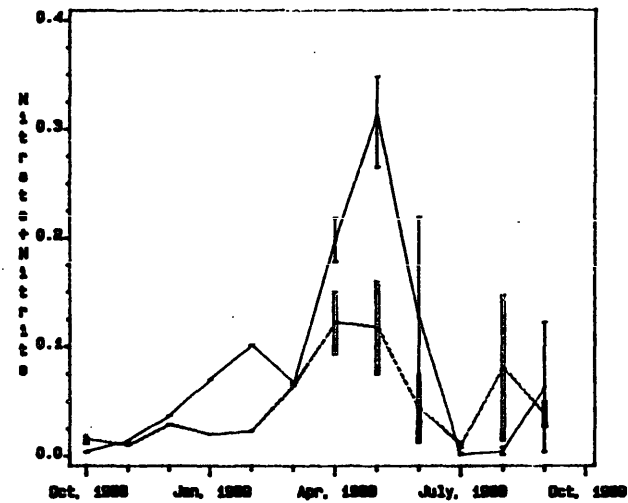
Station Id-CBS.4



Month

LAYER — Surface — Bottom

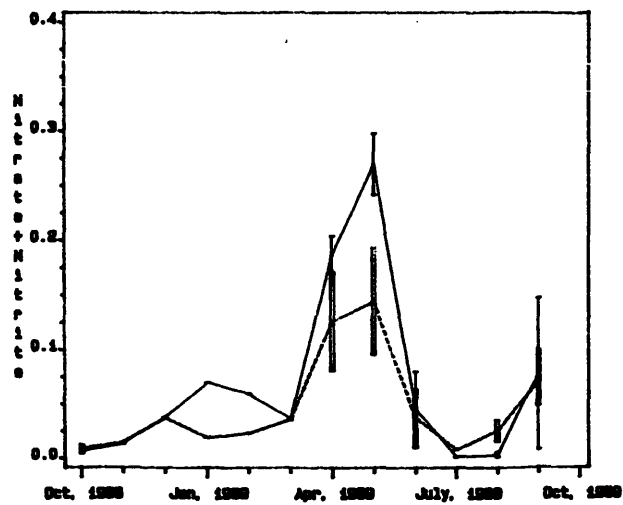
Station Id-CBS.5



Month

LAYER — Surface — Bottom

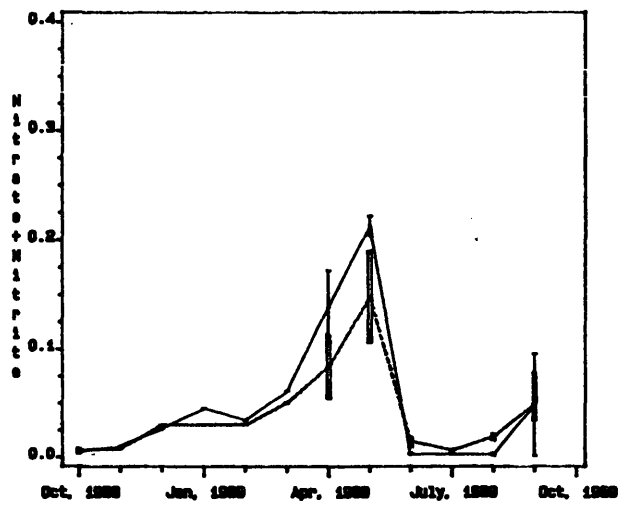
Station Id-CBS.1



Month

LAYER — Surface — Bottom

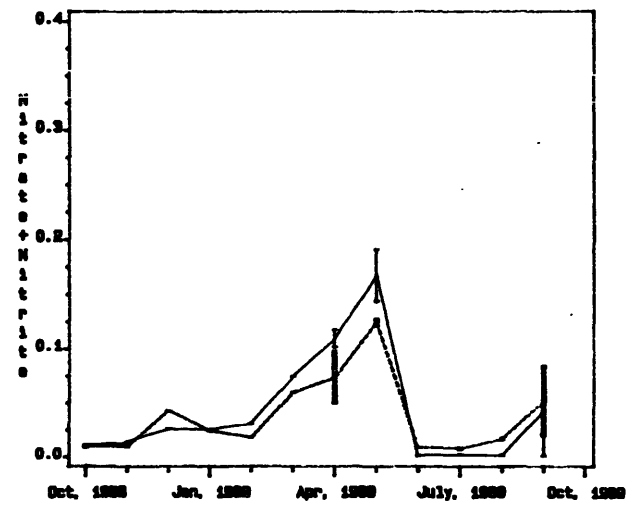
Station Id-CBS.2



Month

LAYER — Surface — Bottom

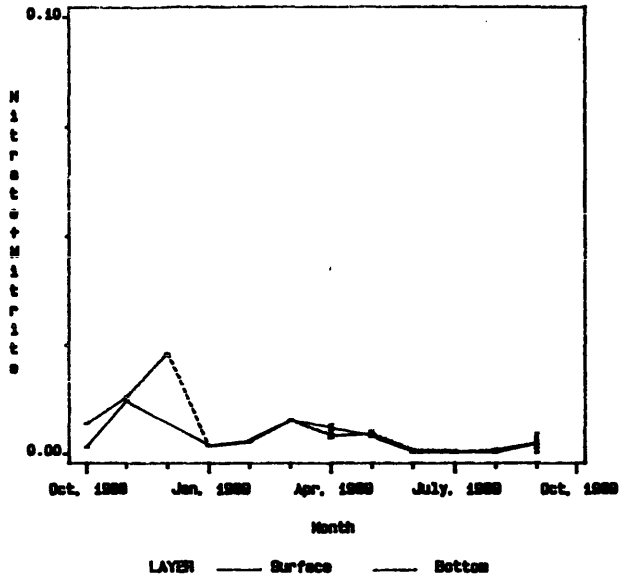
Station Id-CBS.3



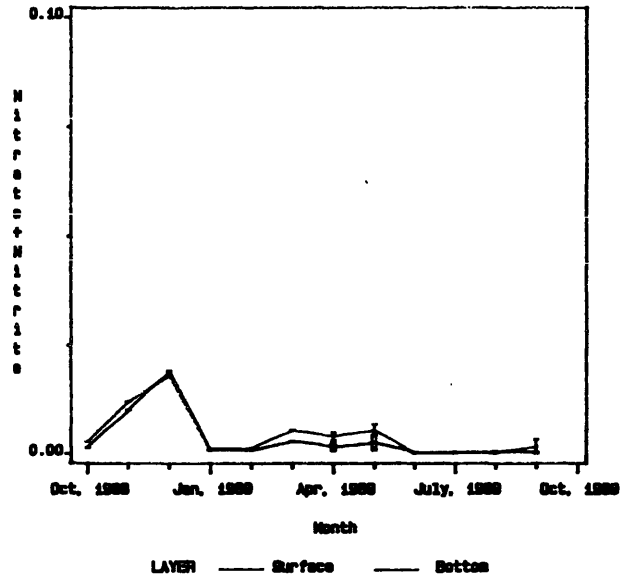
Month

LAYER — Surface — Bottom

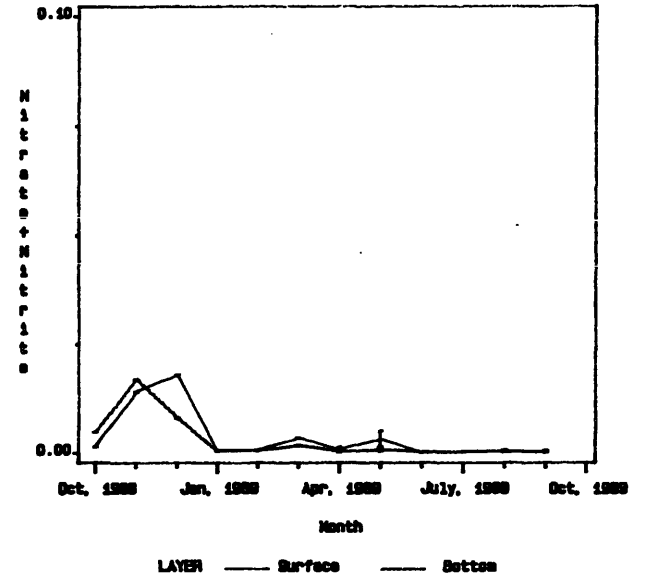
Station Id-CB5.4



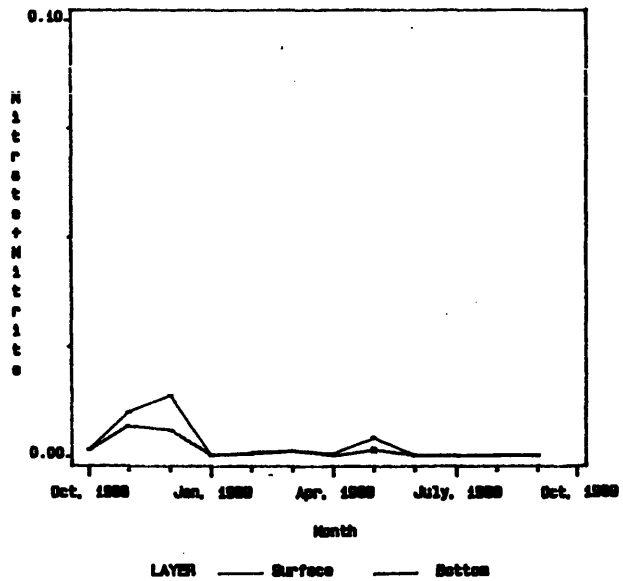
Station Id-CB7.3



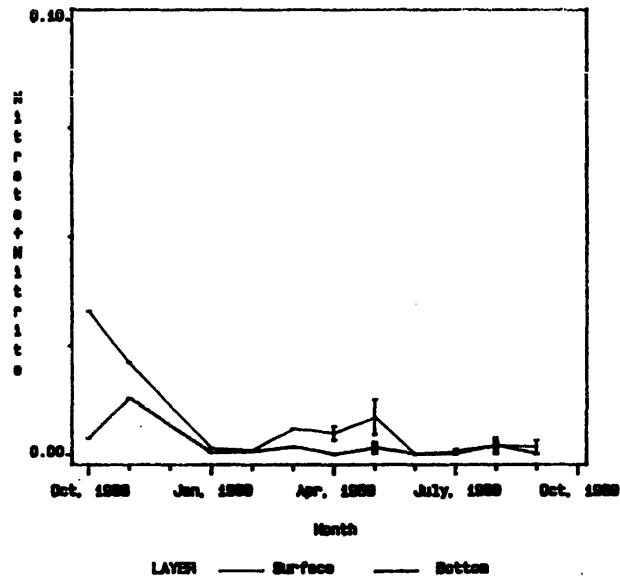
Station Id-CB7.4



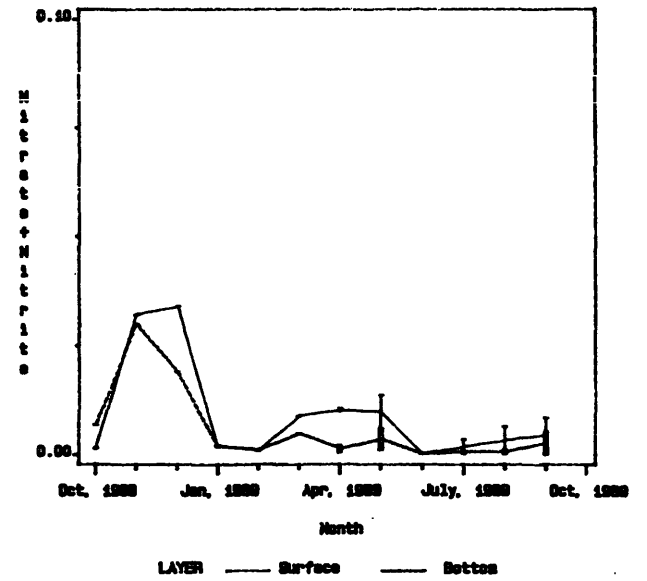
Station Id-CB7.4N



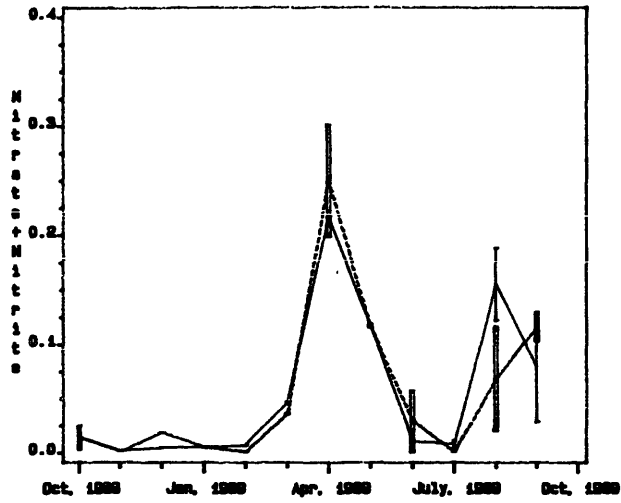
Station Id-CB8.1E



Station Id-CB8.1

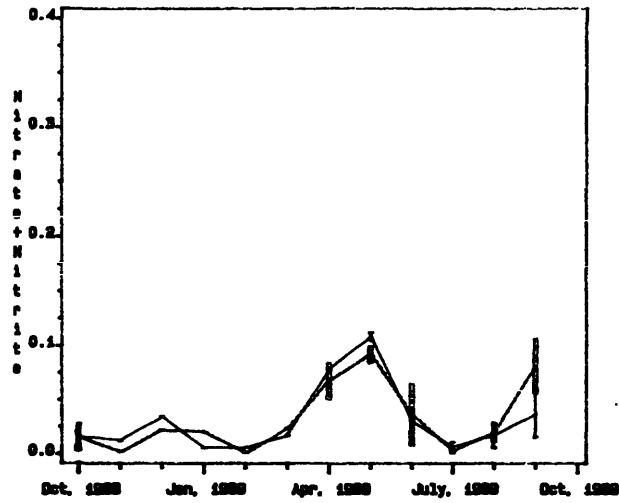


Station Id-CE9.1



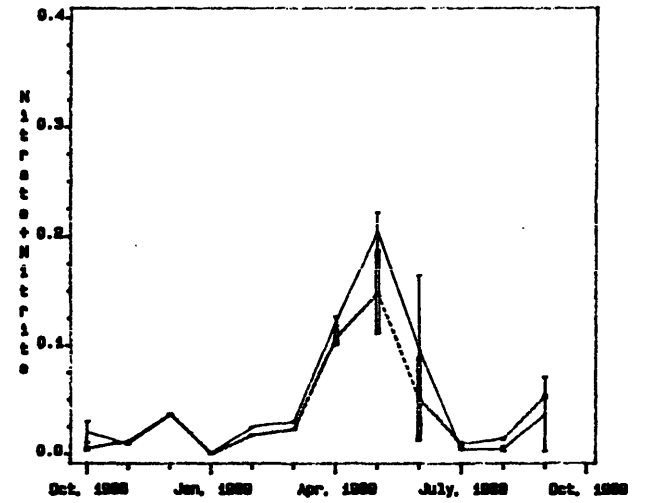
LAYER — Surface — Bottom

Station Id-CE9.2



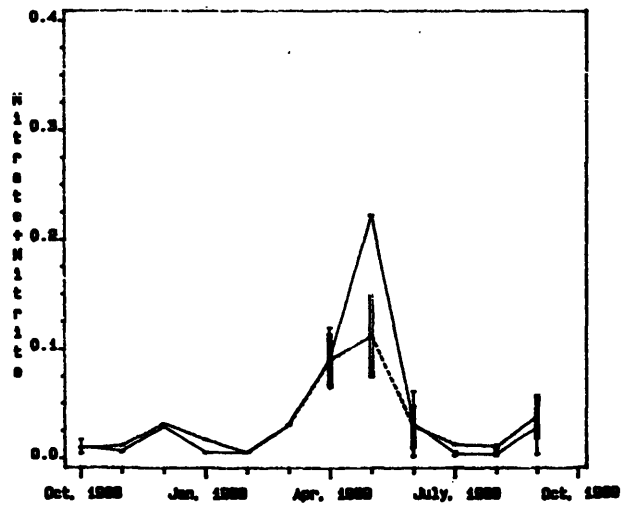
LAYER — Surface — Bottom

Station Id-CE7.1N



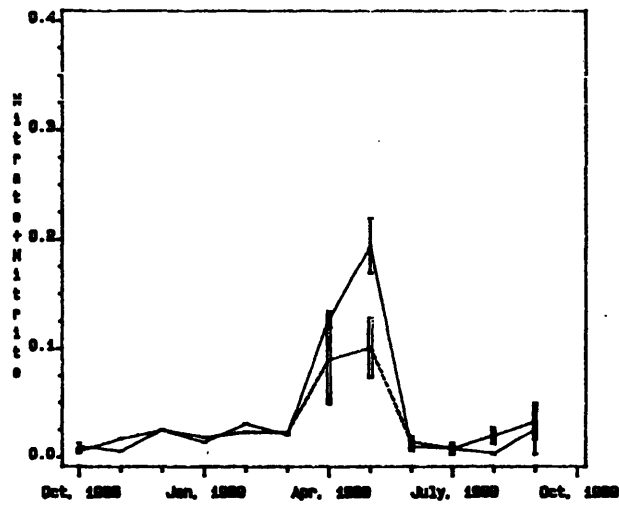
LAYER — Surface — Bottom

Station Id-CE7.1



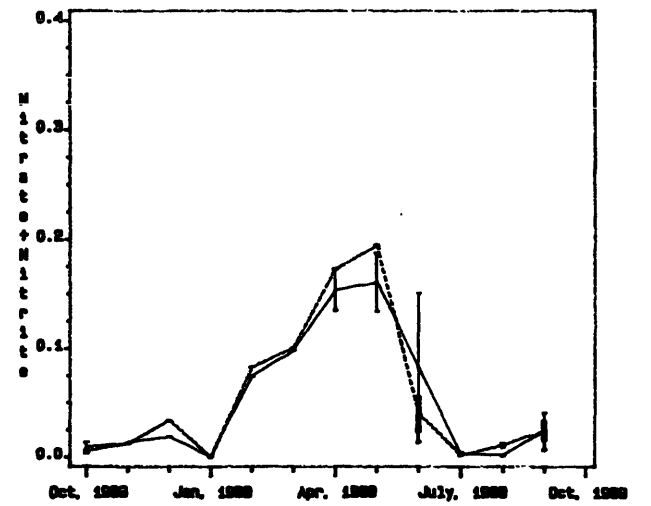
LAYER — Surface — Bottom

Station Id-CE7.1S



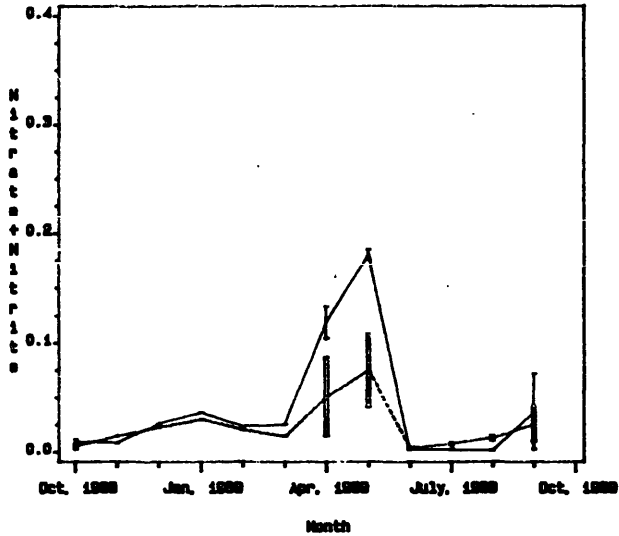
LAYER — Surface — Bottom

Station Id-CE6.4N



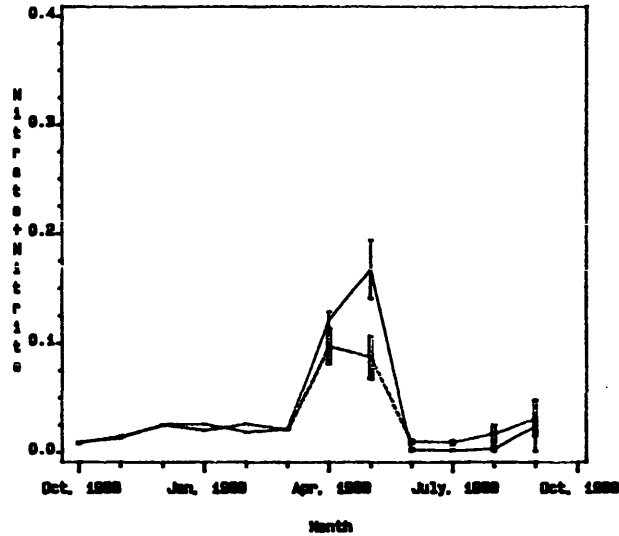
LAYER — Surface — Bottom

Station Id-CE7.E



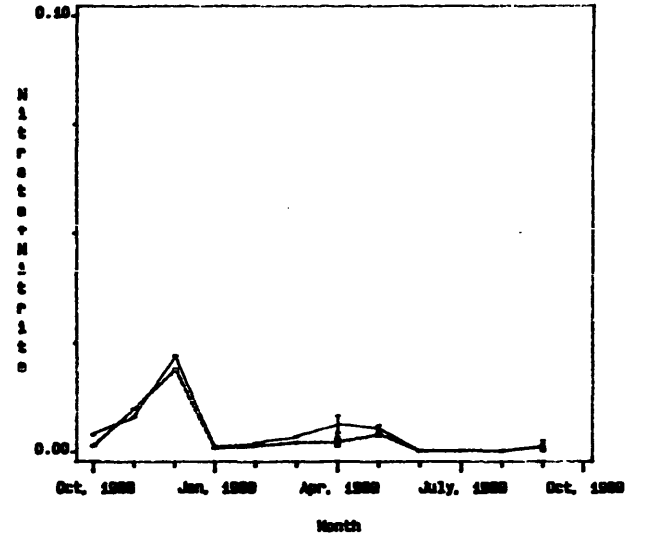
LAYER — Surface — Bottom

Station Id-CE7.EE



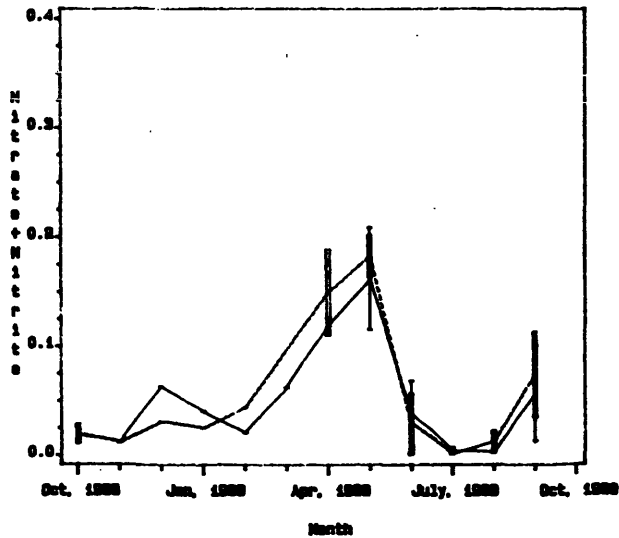
LAYER — Surface — Bottom

Station Id-CE7.EE



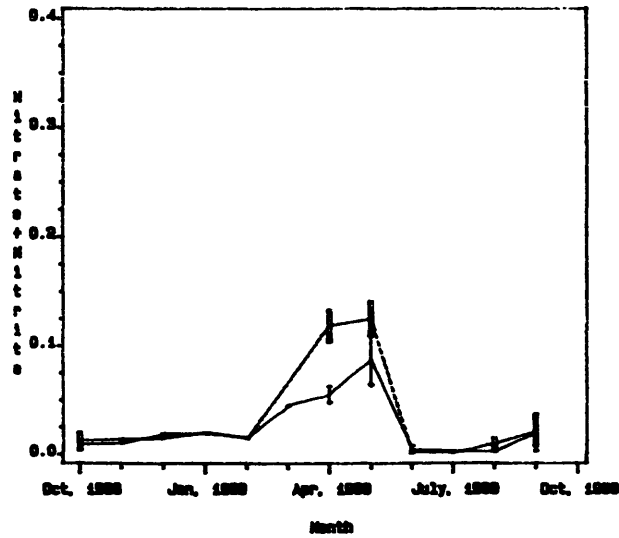
LAYER — Surface — Bottom

Station Id-LE3.6



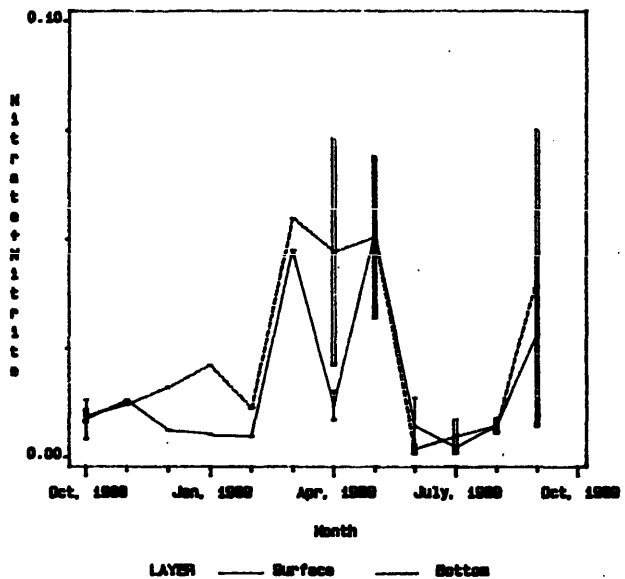
LAYER — Surface — Bottom

Station Id-LE3.7

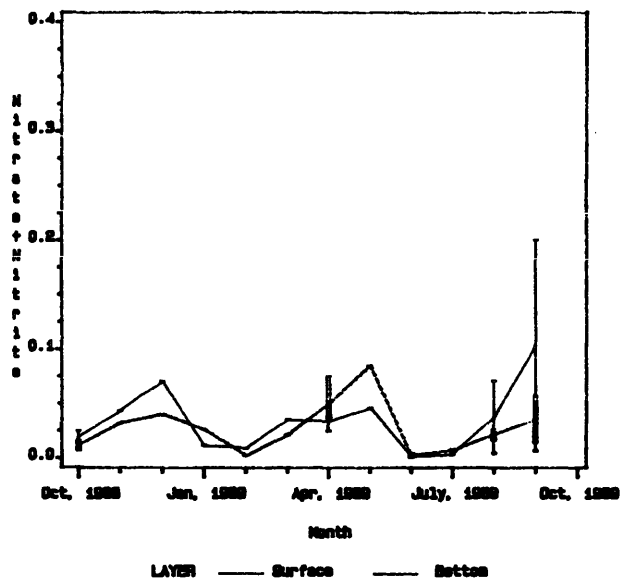


LAYER — Surface — Bottom

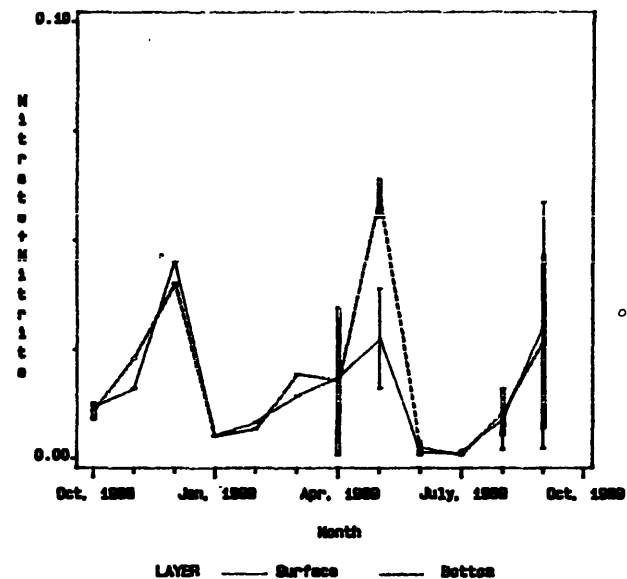
Station Id-ME4.1



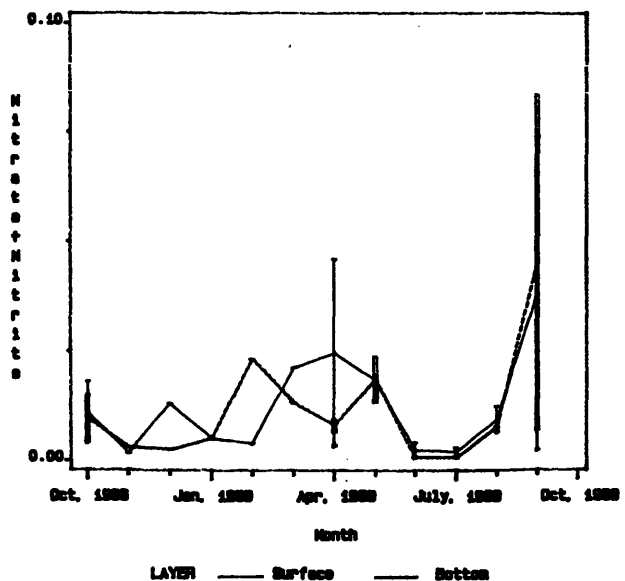
Station Id-ME4.2



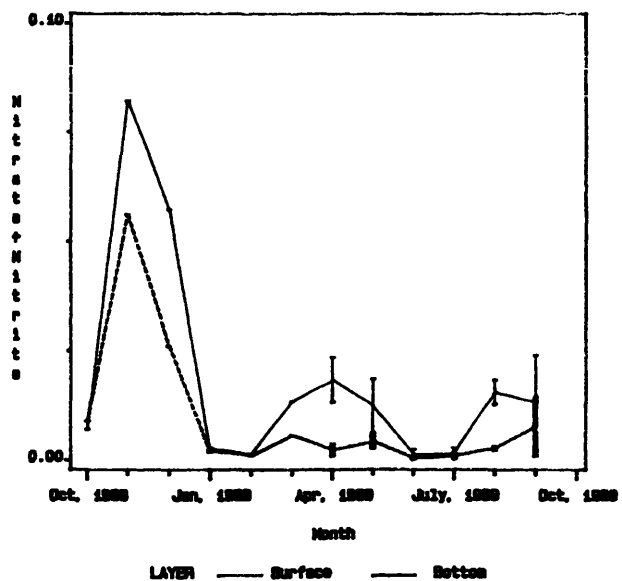
Station Id-ME4.3



Station Id-ME4.4



Station Id-LES.5



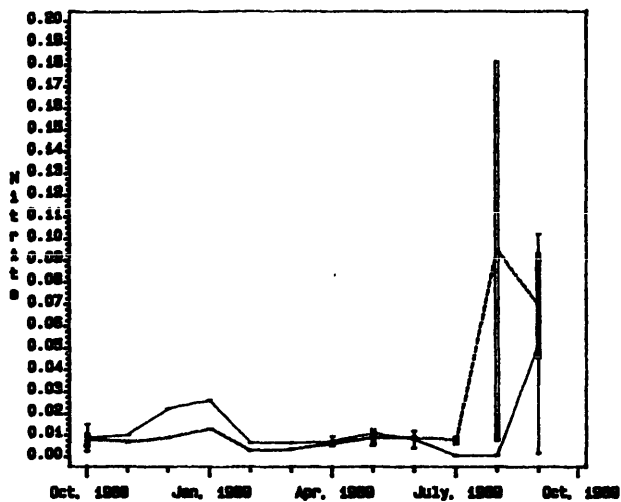
NITRITE

Values reported as mg/l.

Nitrite
October, 1988 - September, 1989

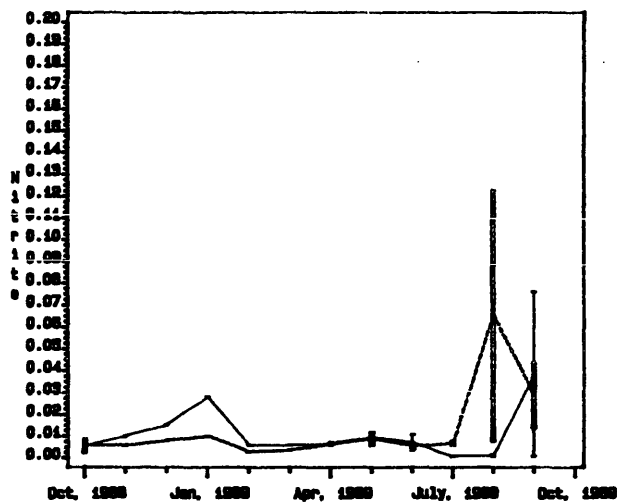
| | Nitrite | | | | | |
|-------------|---------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 0.1019 | 0.0129 | 0.0004 | 0.1816 | 0.0233 | 0.0028 |
| CB5.4..... | 0.0760 | 0.0100 | 0.0004 | 0.1232 | 0.0151 | 0.0025 |
| CB5.5..... | 0.0910 | 0.0105 | 0.0004 | 0.0852 | 0.0125 | 0.0025 |
| CB6.1..... | 0.1080 | 0.0109 | 0.0004 | 0.0713 | 0.0136 | 0.0025 |
| CB6.2..... | 0.0685 | 0.0080 | 0.0004 | 0.0531 | 0.0102 | 0.0024 |
| CB6.3..... | 0.0590 | 0.0073 | 0.0004 | 0.0549 | 0.0086 | 0.0014 |
| CB6.4..... | 0.0050 | 0.0007 | 0.0000 | 0.0070 | 0.0012 | 0.0001 |
| CB7.3..... | 0.0050 | 0.0008 | 0.0000 | 0.0040 | 0.0007 | 0.0000 |
| CB7.4..... | 0.0060 | 0.0007 | 0.0000 | 0.0030 | 0.0005 | 0.0000 |
| CB7.4N..... | 0.0040 | 0.0005 | 0.0000 | 0.0020 | 0.0003 | 0.0000 |
| CB8.1E..... | 0.0100 | 0.0012 | 0.0000 | 0.0030 | 0.0006 | 0.0000 |
| CB8.1..... | 0.0068 | 0.0015 | 0.0000 | 0.0052 | 0.0012 | 0.0000 |
| EE3.1..... | 0.0596 | 0.0092 | 0.0004 | 0.0628 | 0.0111 | 0.0004 |
| EE3.2..... | 0.0404 | 0.0065 | 0.0004 | 0.0714 | 0.0106 | 0.0004 |
| CB7.1N..... | 0.0529 | 0.0069 | 0.0000 | 0.0428 | 0.0093 | 0.0020 |
| CB7.1..... | 0.0340 | 0.0053 | 0.0004 | 0.0424 | 0.0084 | 0.0017 |
| CB7.1S..... | 0.0371 | 0.0059 | 0.0004 | 0.0354 | 0.0078 | 0.0025 |
| CB5.4W..... | 0.0232 | 0.0059 | 0.0004 | 0.0221 | 0.0057 | 0.0000 |
| CB7.2..... | 0.0521 | 0.0062 | 0.0004 | 0.0278 | 0.0061 | 0.0015 |
| CB7.2E..... | 0.0308 | 0.0056 | 0.0004 | 0.0364 | 0.0069 | 0.0025 |
| CB7.3E..... | 0.0060 | 0.0010 | 0.0000 | 0.0060 | 0.0008 | 0.0000 |
| LE3.6..... | 0.0752 | 0.0087 | 0.0004 | 0.0820 | 0.0109 | 0.0004 |
| LE3.7..... | 0.0241 | 0.0041 | 0.0004 | 0.0257 | 0.0050 | 0.0004 |
| WE4.1..... | 0.0343 | 0.0043 | 0.0004 | 0.0256 | 0.0048 | 0.0004 |
| WE4.2..... | 0.1381 | 0.0128 | 0.0004 | 0.0381 | 0.0079 | 0.0004 |
| WE4.3..... | 0.0415 | 0.0051 | 0.0004 | 0.0355 | 0.0054 | 0.0004 |
| WE4.4..... | 0.0374 | 0.0042 | 0.0004 | 0.0460 | 0.0045 | 0.0004 |
| LE5.5..... | 0.0107 | 0.0026 | 0.0000 | 0.0085 | 0.0016 | 0.0000 |

Station Id-CBS.3



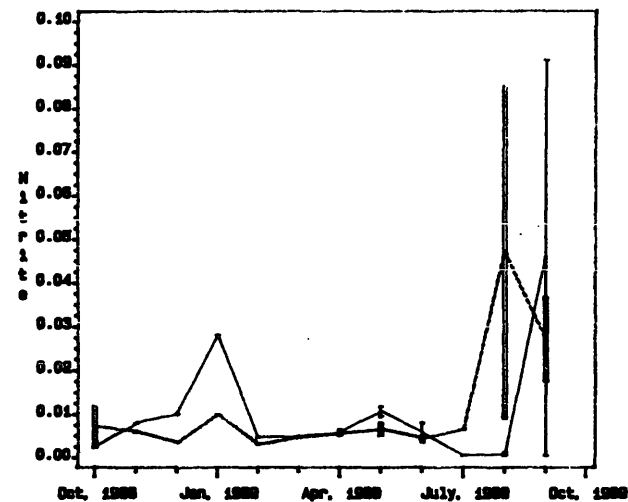
LAYER — Surface — Bottom

Station Id-CBS.4



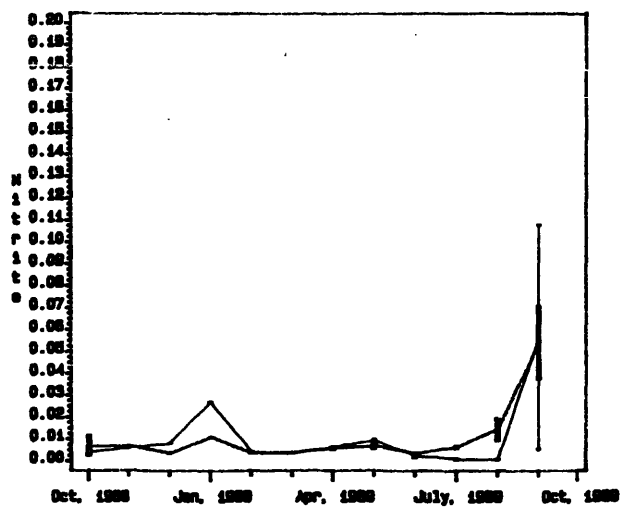
LAYER — Surface — Bottom

Station Id-CBS.5



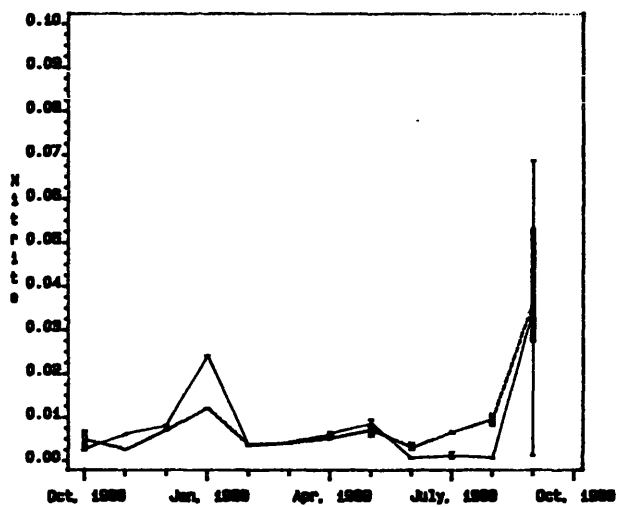
LAYER — Surface — Bottom

Station Id-CBS.1



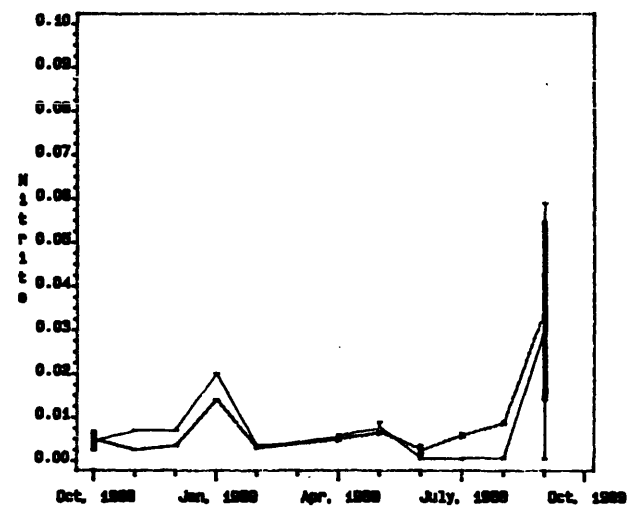
LAYER — Surface — Bottom

Station Id-CBS.2



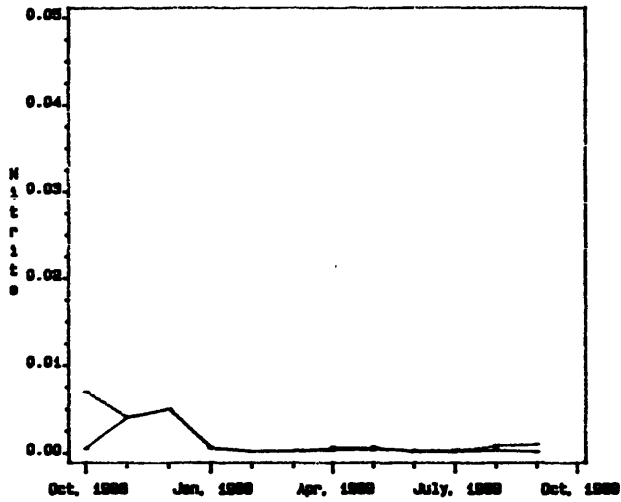
LAYER — Surface — Bottom

Station Id-CBS.3



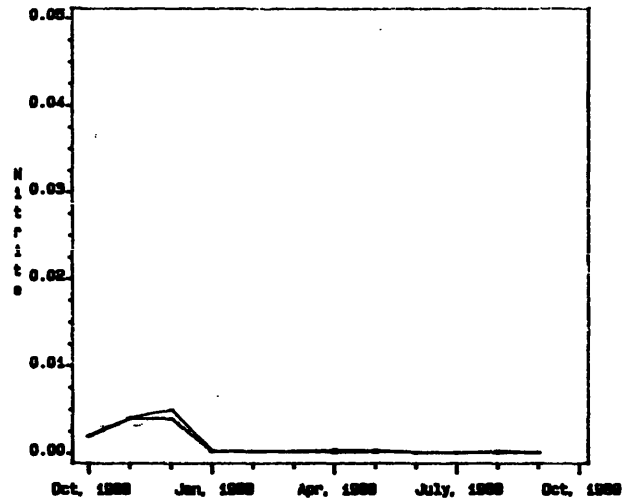
LAYER — Surface — Bottom

Station Id-C86.4



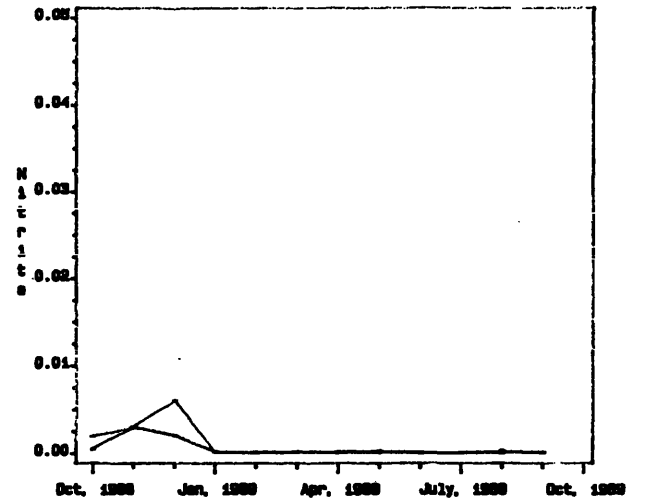
Month
 LAYER — Surface — Bottom

Station Id-C87.3



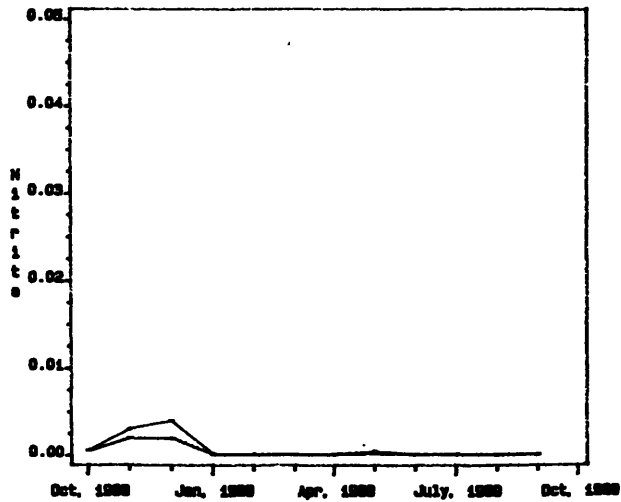
Month
 LAYER — Surface — Bottom

Station Id-C87.4



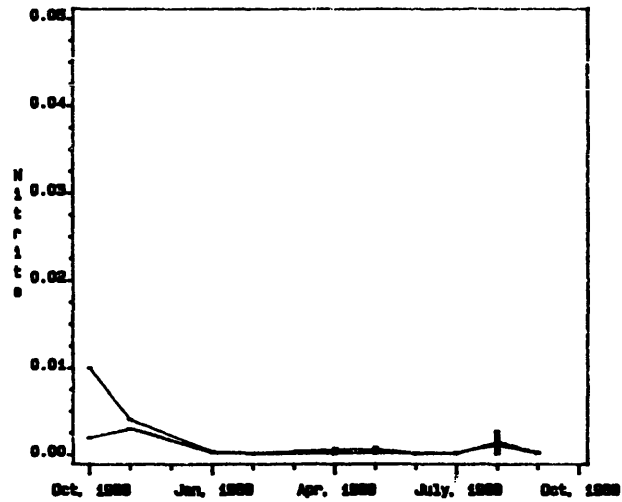
Month
 LAYER — Surface — Bottom

Station Id-C87.4N



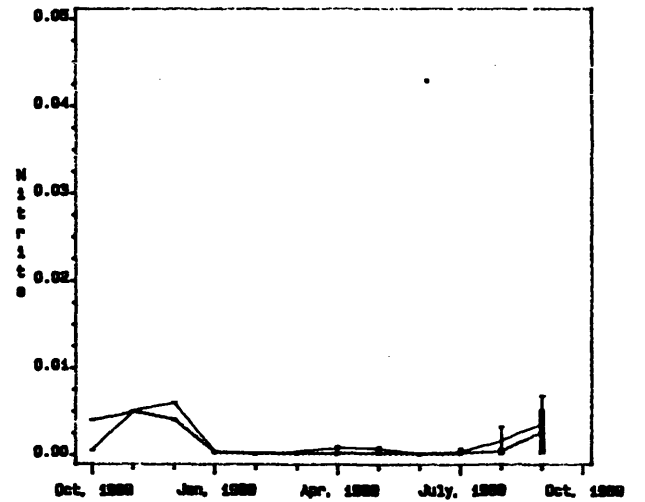
Month
 LAYER — Surface — Bottom

Station Id-C88.1E



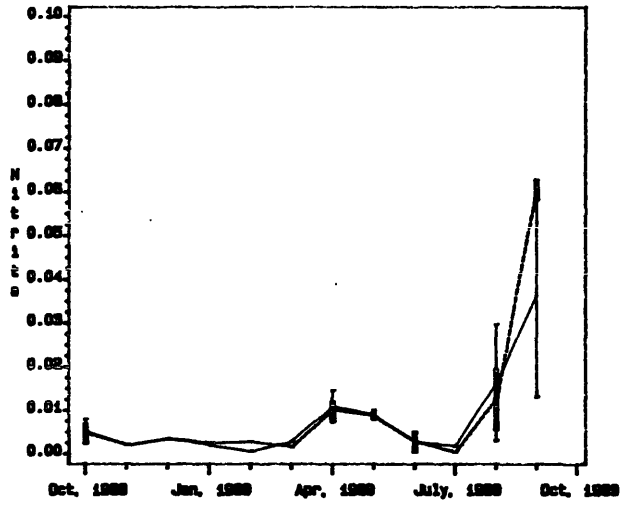
Month
 LAYER — Surface — Bottom

Station Id-C88.1



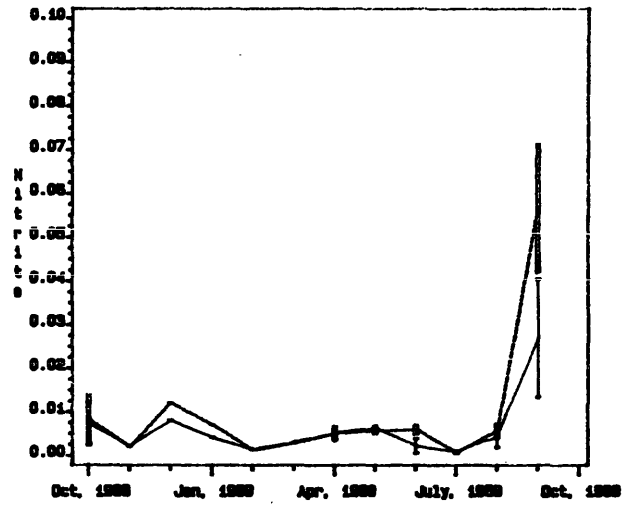
Month
 LAYER — Surface — Bottom

Station Id-CB3.1



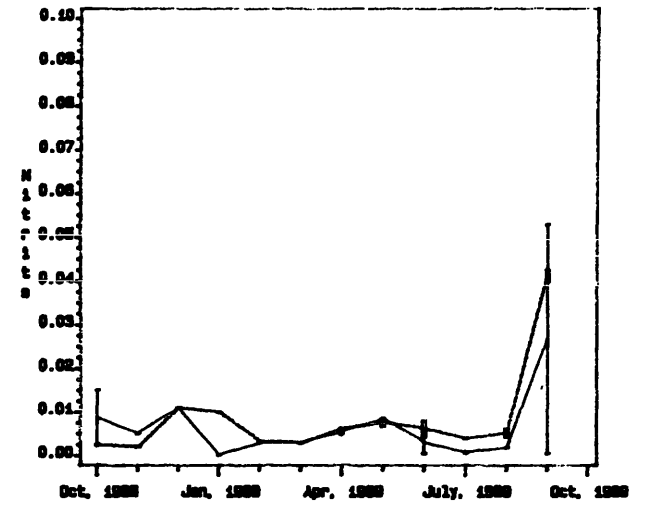
Month
LAYER — Surface — Bottom

Station Id-CB3.2



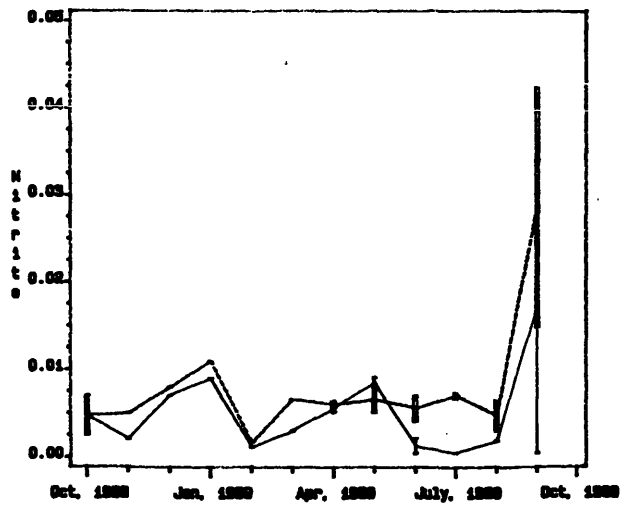
Month
LAYER — Surface — Bottom

Station Id-CB7.1N



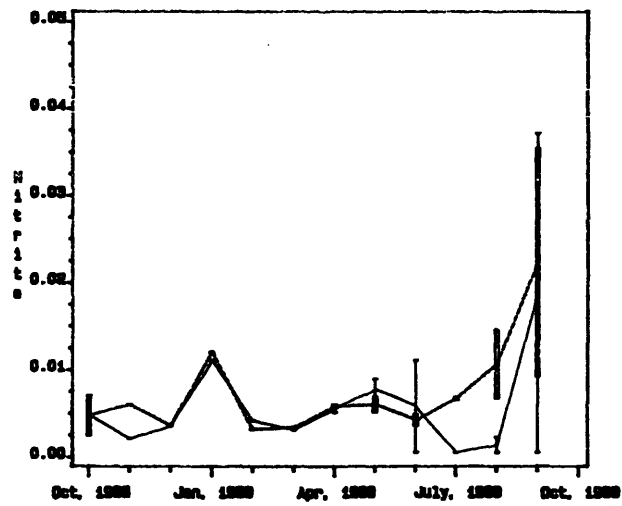
Month
LAYER — Surface — Bottom

Station Id-CB7.1



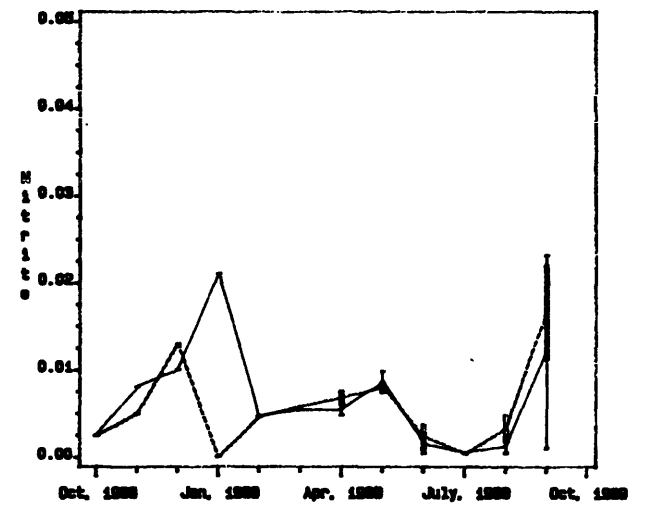
Month
LAYER — Surface — Bottom

Station Id-CB7.1S



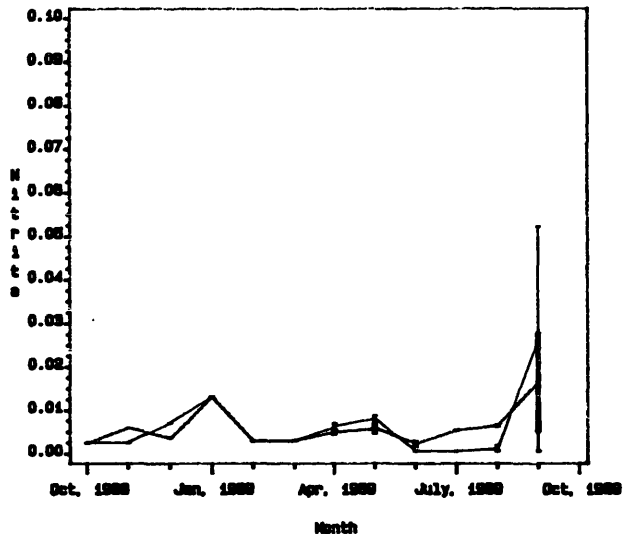
Month
LAYER — Surface — Bottom

Station Id-CB3.4N



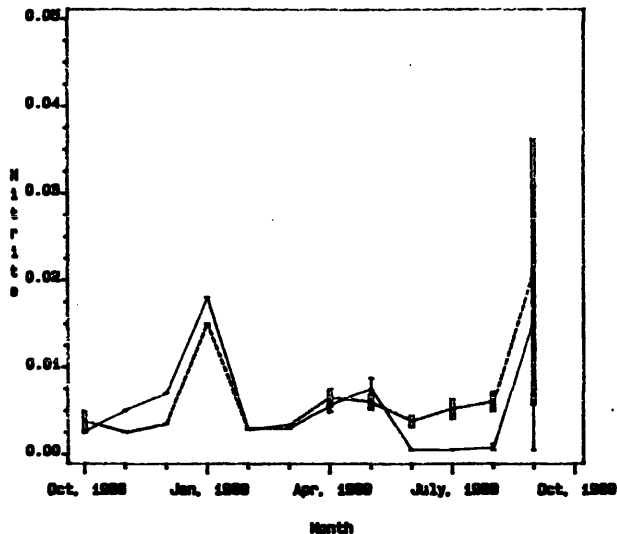
Month
LAYER — Surface — Bottom

Station Id-057.2



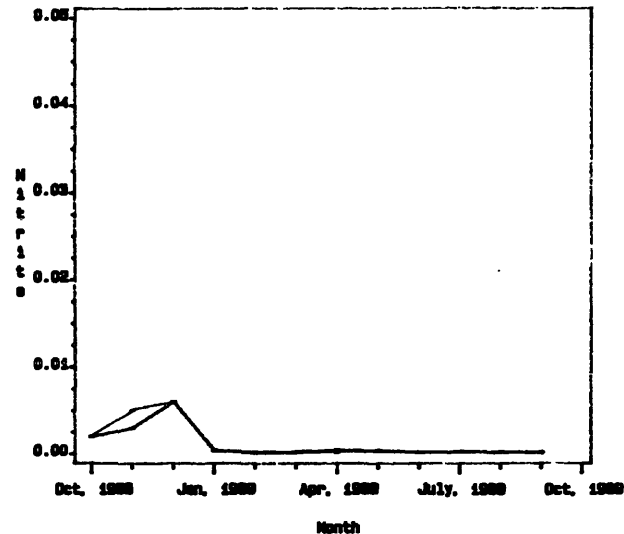
LAYER — Surface — Bottom

Station Id-057.2E



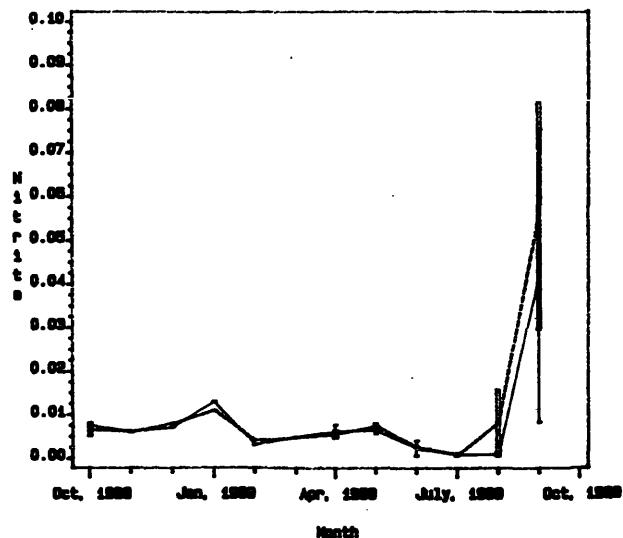
LAYER — Surface — Bottom

Station Id-057.2E



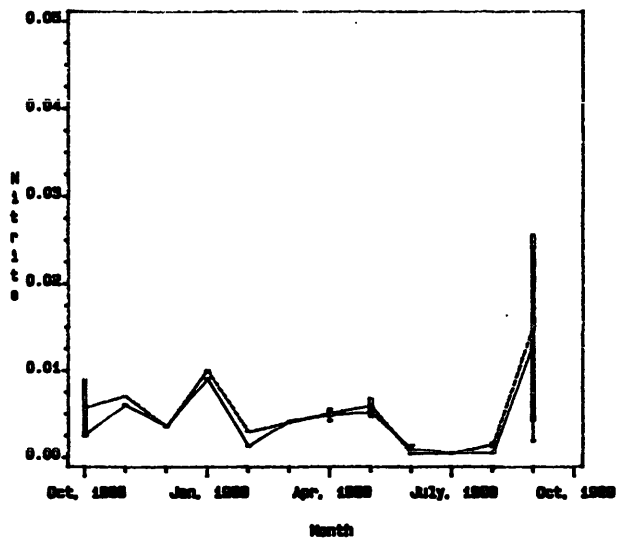
LAYER — Surface — Bottom

Station Id-LE9.6



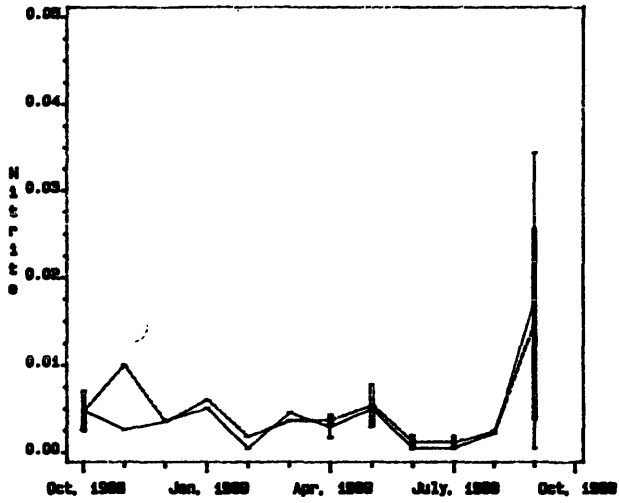
LAYER — Surface — Bottom

Station Id-LE9.7



LAYER — Surface — Bottom

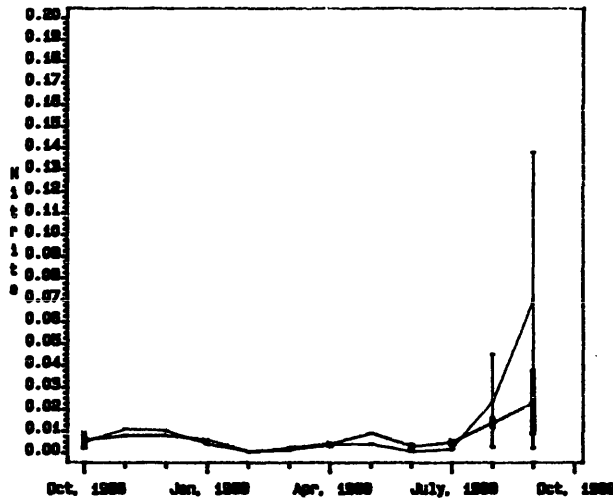
Station Id-ME4.1



Month

LAYER — Surface — Bottom

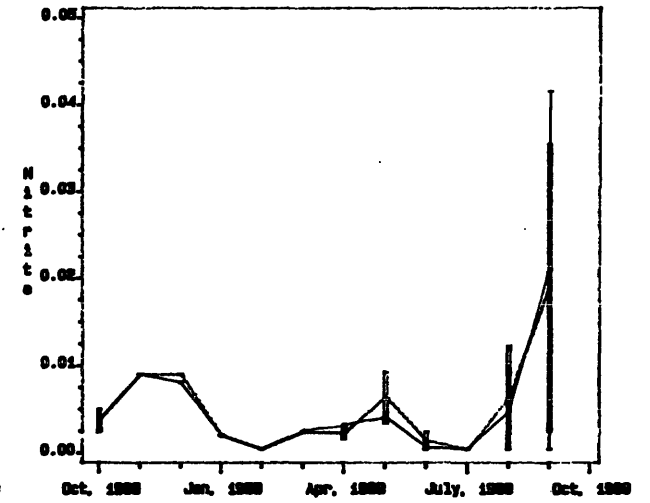
Station Id-ME4.2



Month

LAYER — Surface — Bottom

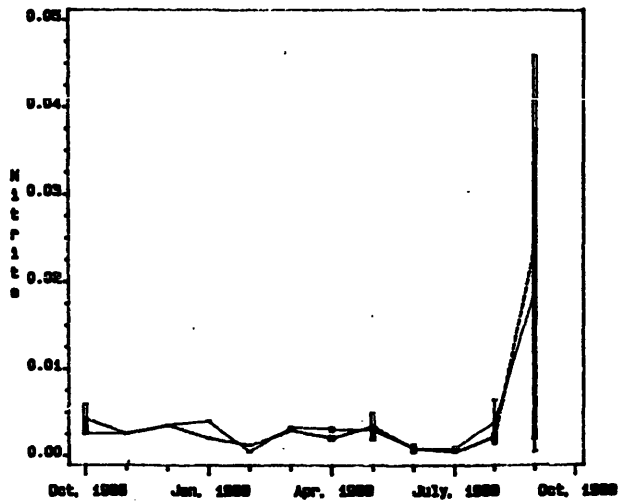
Station Id-ME4.3



Month

LAYER — Surface — Bottom

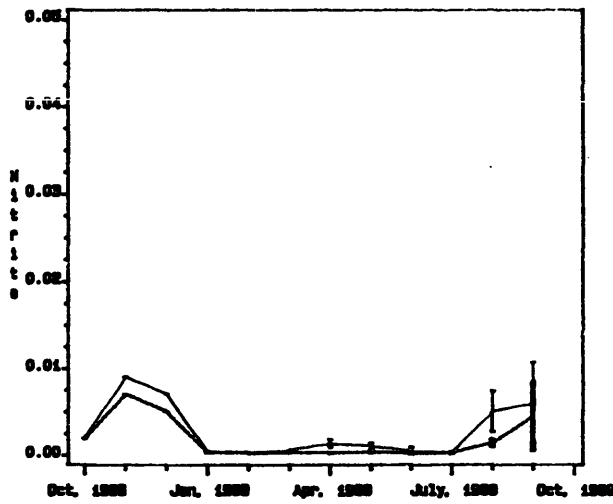
Station Id-ME4.4



Month

LAYER — Surface — Bottom

Station Id-LES.5



Month

LAYER — Surface — Bottom

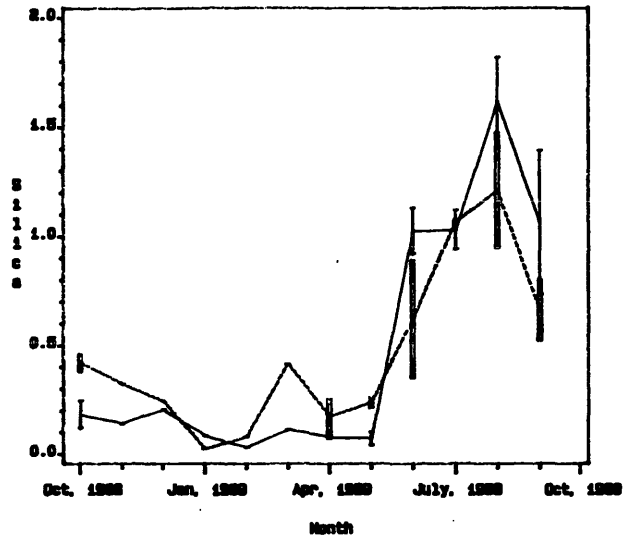
DISSOLVED SILICA

Values reported as mg/l.

Silica
October, 1988 - September, 1989

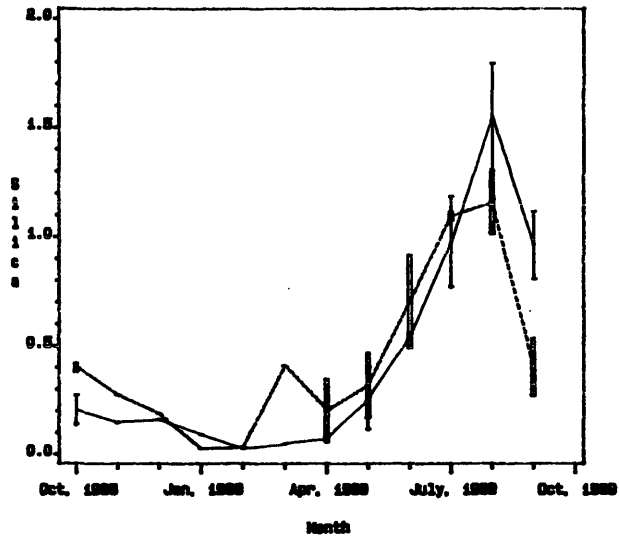
| | Silica | | | | | |
|-------------|---------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 1.8180 | 0.5611 | 0.0280 | 1.4740 | 0.5193 | 0.0230 |
| CB5.4..... | 1.7920 | 0.5553 | 0.0220 | 1.3050 | 0.4995 | 0.0230 |
| CB5.5..... | 1.3460 | 0.4669 | 0.0230 | 1.4190 | 0.4902 | 0.0280 |
| CB6.1..... | 1.6710 | 0.4384 | 0.0280 | 1.2740 | 0.5346 | 0.0370 |
| CB6.2..... | 1.3630 | 0.4344 | 0.0140 | 1.1490 | 0.4570 | 0.0230 |
| CB6.3..... | 1.3320 | 0.4118 | 0.0220 | 1.0630 | 0.4361 | 0.0230 |
| CB6.4..... | 1.1320 | 0.3358 | 0.0115 | 0.8230 | 0.3369 | 0.0115 |
| CB7.3..... | 1.1980 | 0.2763 | 0.0115 | 0.5660 | 0.1891 | 0.0115 |
| CB7.4..... | 0.5120 | 0.1741 | 0.0115 | 0.3580 | 0.1077 | 0.0115 |
| CB7.4N..... | 0.4590 | 0.1600 | 0.0115 | 0.3280 | 0.1128 | 0.0115 |
| CB8.1E..... | 0.7410 | 0.2955 | 0.0290 | 0.4020 | 0.1367 | 0.0115 |
| CB8.1..... | 0.9110 | 0.3727 | 0.0290 | 0.6670 | 0.2298 | 0.0320 |
| EE3.1..... | 3.7820 | 0.9154 | 0.0220 | 2.9100 | 0.8019 | 0.0230 |
| EE3.2..... | 1.2390 | 0.3881 | 0.0190 | 1.0960 | 0.4016 | 0.0140 |
| CB7.1N..... | 1.0840 | 0.3592 | 0.0045 | 1.0110 | 0.4171 | 0.0230 |
| CB7.1..... | 1.2970 | 0.3874 | 0.0170 | 0.9670 | 0.4237 | 0.0230 |
| CB7.1S..... | 1.4650 | 0.4057 | 0.0220 | 1.0820 | 0.3712 | 0.0230 |
| CB5.4W..... | 1.6970 | 0.4860 | 0.0150 | 1.7650 | 0.5233 | 0.0230 |
| CB7.2..... | 1.2830 | 0.3612 | 0.0230 | 1.3160 | 0.3759 | 0.0530 |
| CB7.2E..... | 1.0560 | 0.3409 | 0.0230 | 0.9070 | 0.3503 | 0.0230 |
| CB7.3E..... | 0.8110 | 0.2673 | 0.0115 | 0.6670 | 0.2436 | 0.0115 |
| LE3.6..... | 1.5090 | 0.4910 | 0.0170 | 1.3900 | 0.5161 | 0.0210 |
| LE3.7..... | 1.3870 | 0.4724 | 0.0140 | 1.4100 | 0.5372 | 0.0170 |
| WE4.1..... | 1.1890 | 0.4643 | 0.0230 | 1.3460 | 0.4797 | 0.0230 |
| WE4.2..... | 1.5060 | 0.6025 | 0.0520 | 1.4280 | 0.5523 | 0.0230 |
| WE4.3..... | 1.0940 | 0.4554 | 0.0230 | 1.1460 | 0.4965 | 0.0230 |
| WE4.4..... | 0.8550 | 0.3695 | 0.0780 | 0.8350 | 0.3531 | 0.0230 |
| LE5.5..... | 1.1020 | 0.6054 | 0.0440 | 0.6970 | 0.3015 | 0.0115 |

Station Id-CSE.3



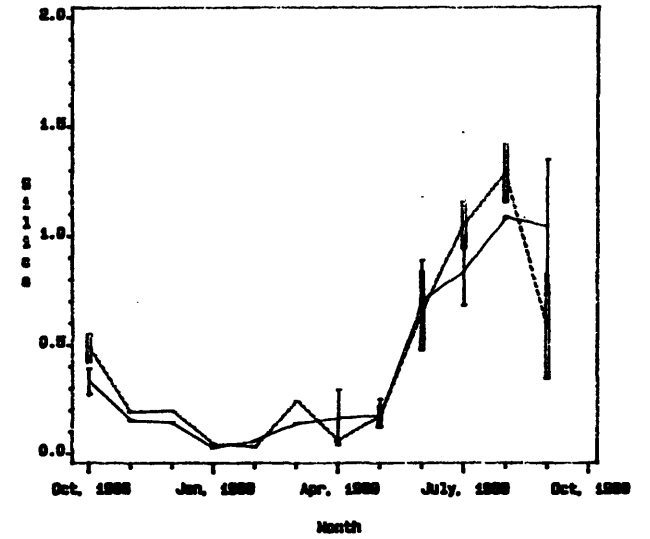
LAYER — Surface — Bottom

Station Id-CSE.4



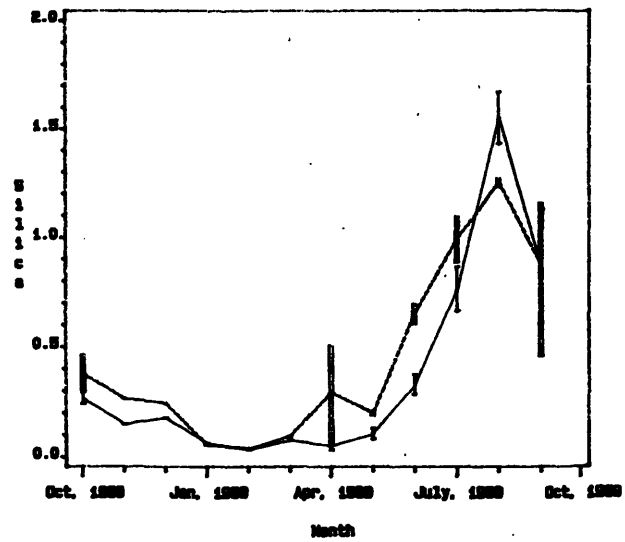
LAYER — Surface — Bottom

Station Id-CSE.5



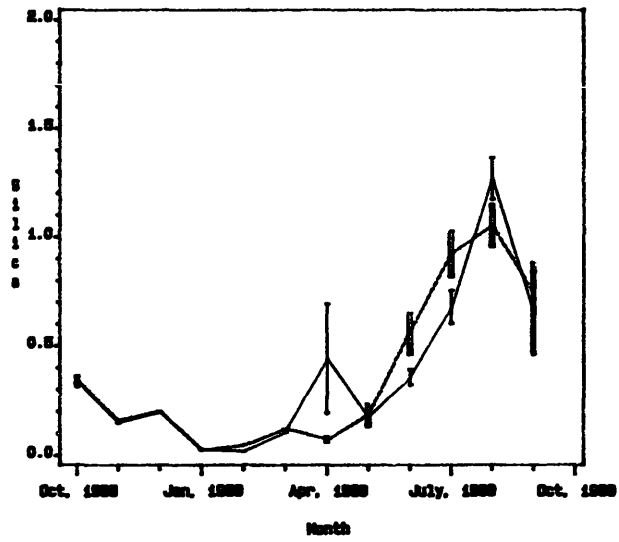
LAYER — Surface — Bottom

Station Id-CSE.1



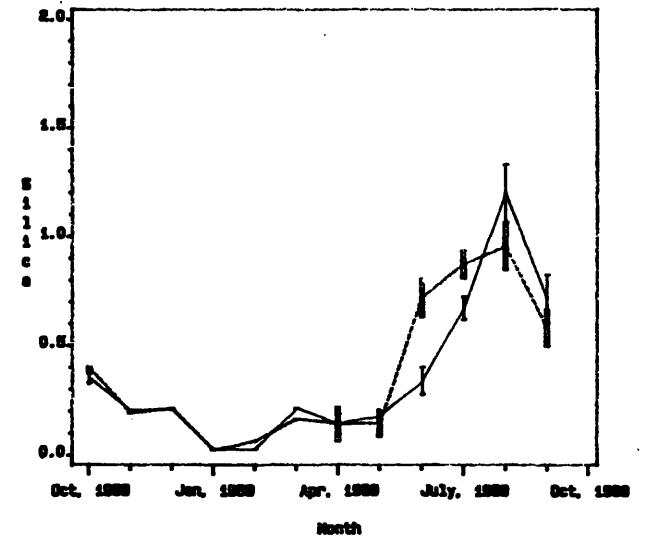
LAYER — Surface — Bottom

Station Id-CSE.2



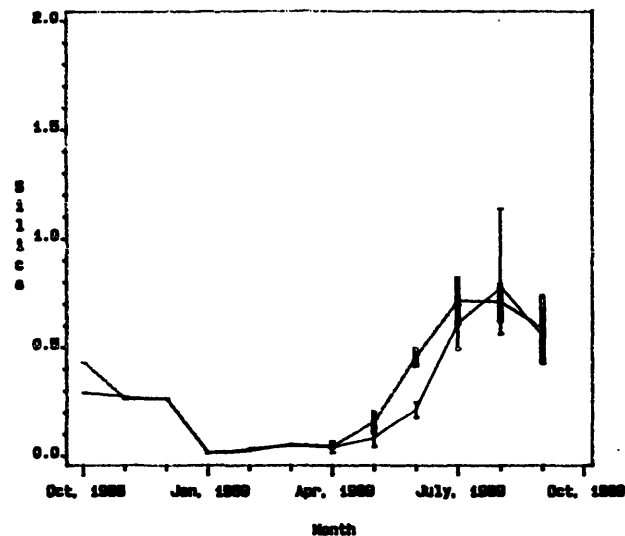
LAYER — Surface — Bottom

Station Id-CSE.3



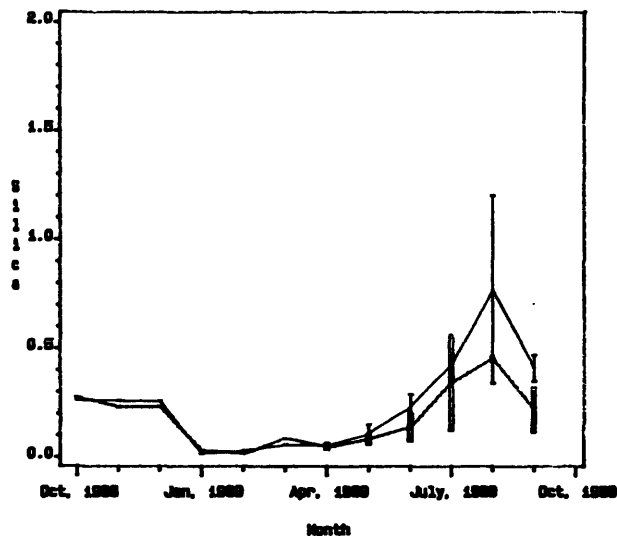
LAYER — Surface — Bottom

Station Id-C86.4



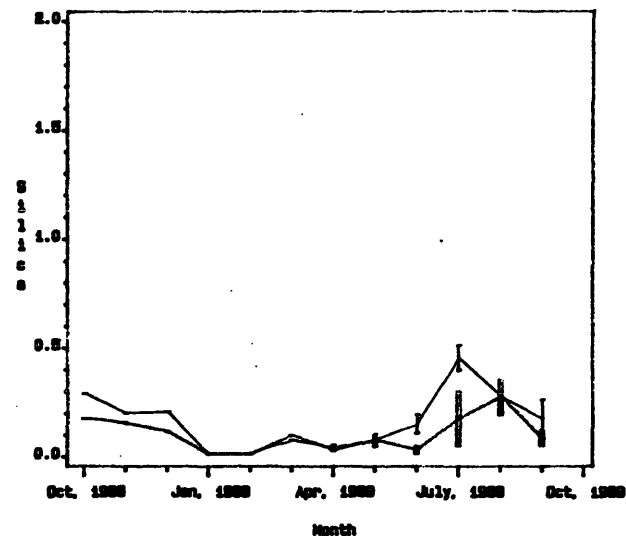
LAYER — Surface — Bottom

Station Id-C87.3



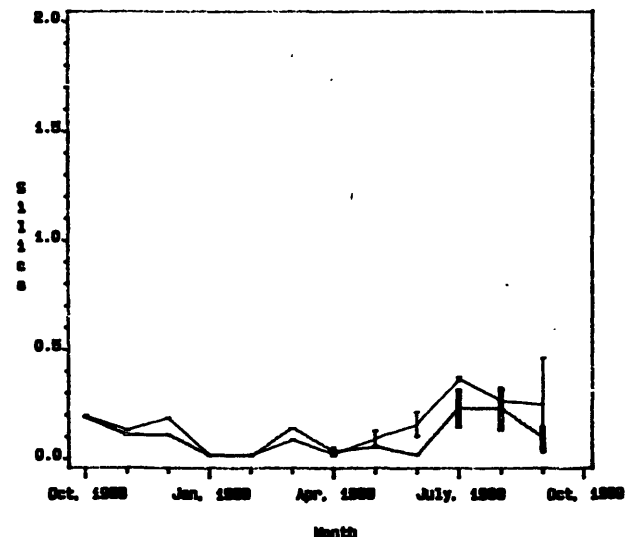
LAYER — Surface — Bottom

Station Id-C87.4



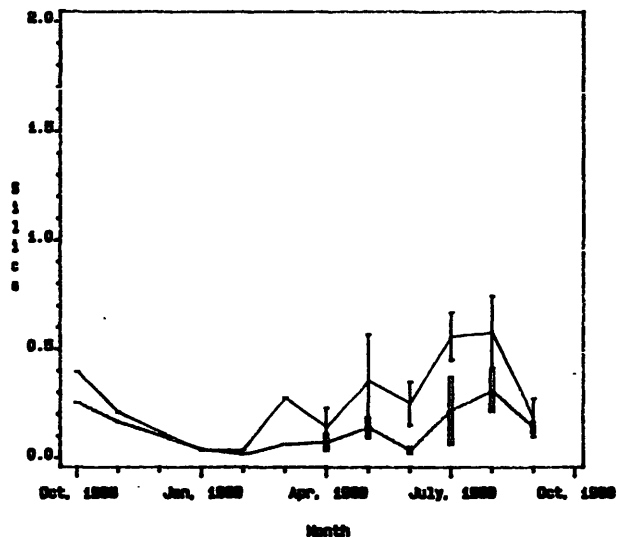
LAYER — Surface — Bottom

Station Id-C87.4N



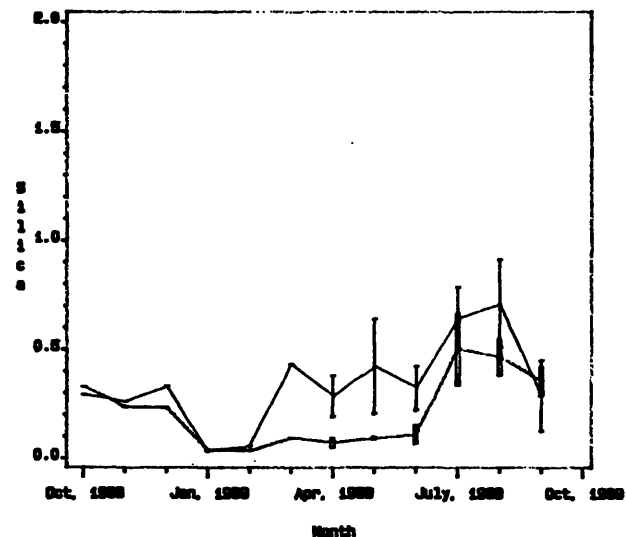
LAYER — Surface — Bottom

Station Id-C88.1E



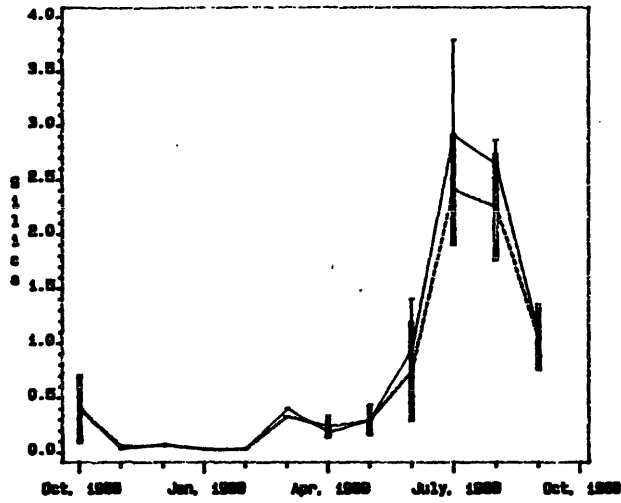
LAYER — Surface — Bottom

Station Id-C88.1



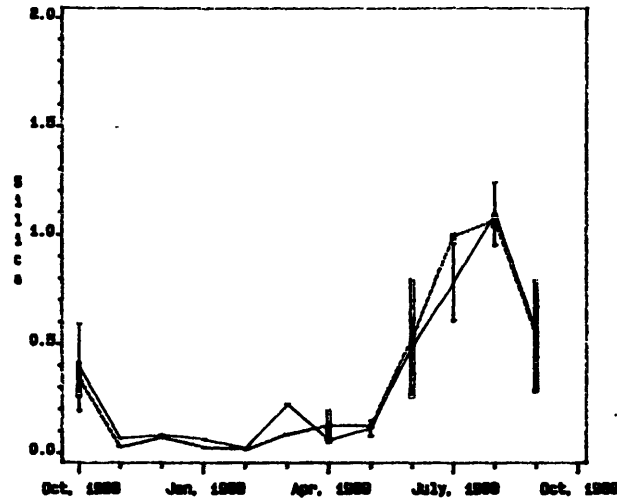
LAYER — Surface — Bottom

Station Id-023.1



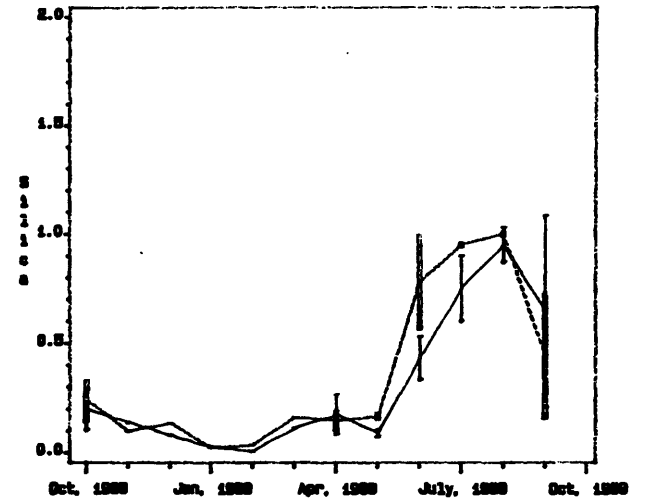
Month
 LAYER — Surface — Bottom

Station Id-023.2



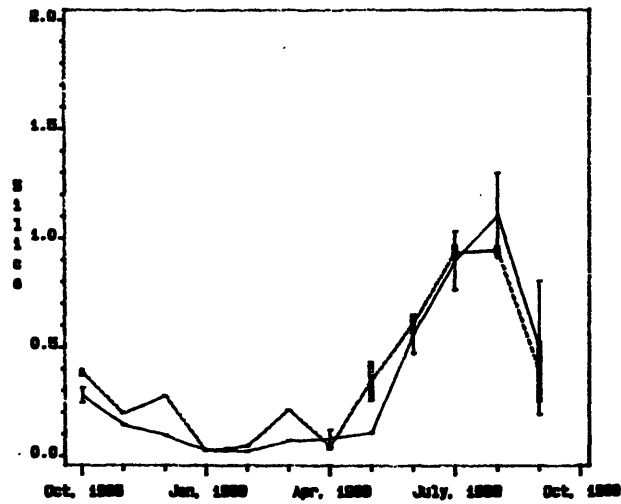
Month
 LAYER — Surface — Bottom

Station Id-027.1N



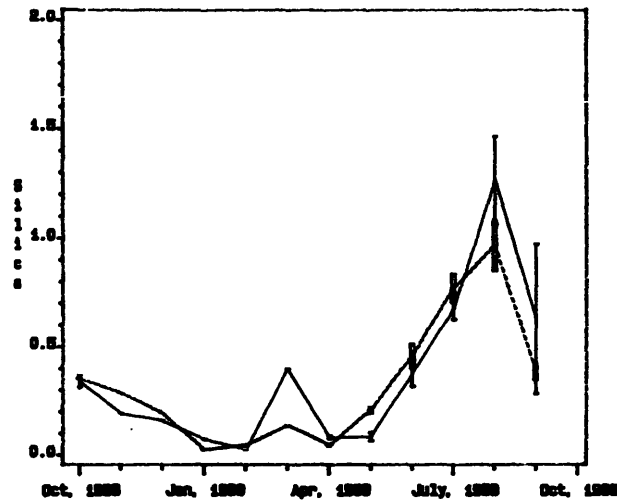
Month
 LAYER — Surface — Bottom

Station Id-027.1



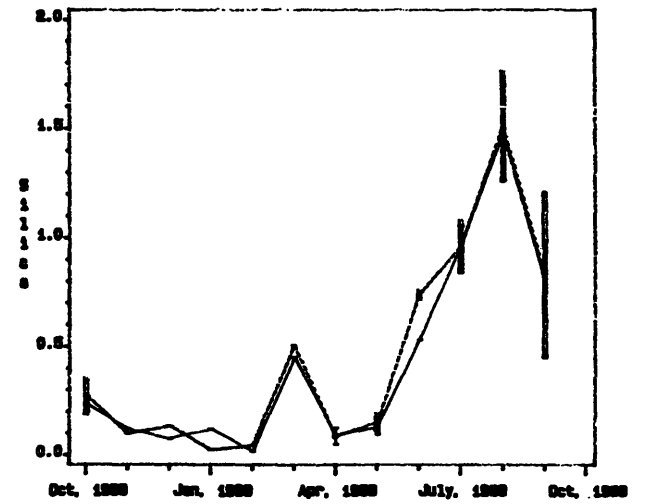
Month
 LAYER — Surface — Bottom

Station Id-027.1B



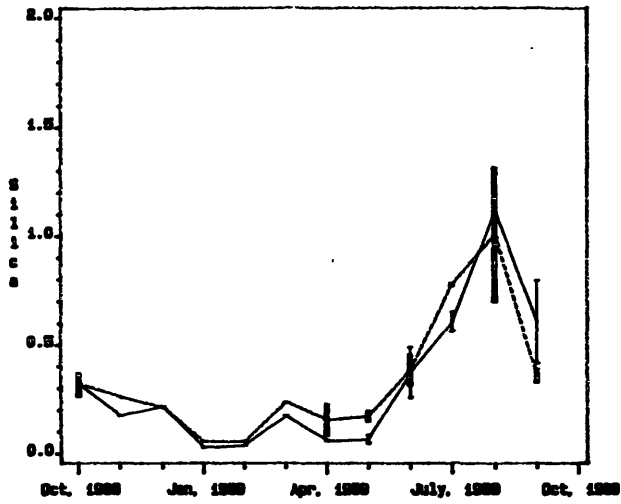
Month
 LAYER — Surface — Bottom

Station Id-028.4N



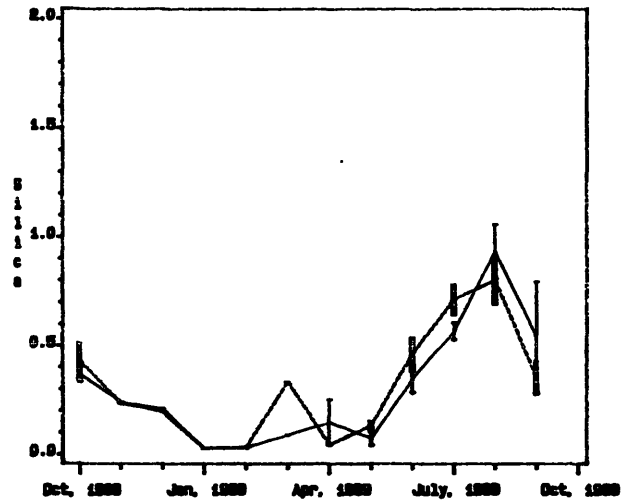
Month
 LAYER — Surface — Bottom

Station Id-C87.2



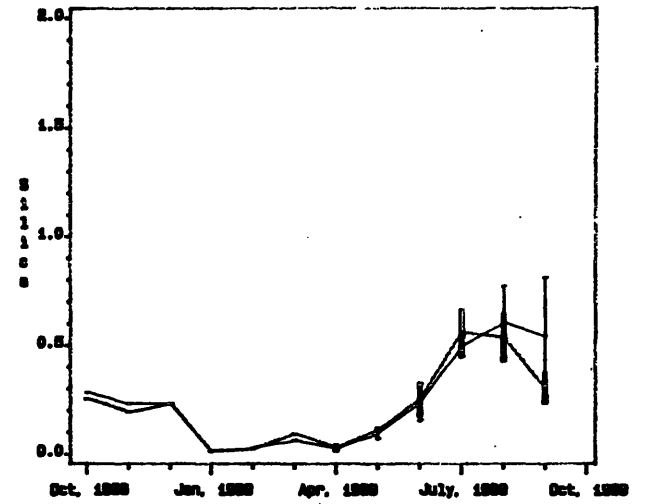
Month
LAYER — Surface — Bottom

Station Id-C87.2E



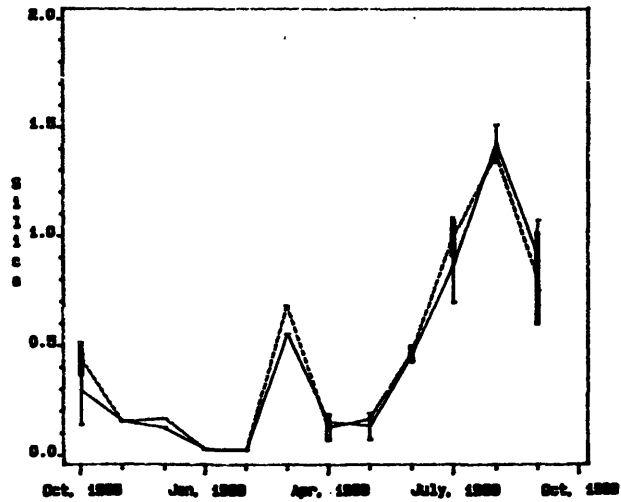
Month
LAYER — Surface — Bottom

Station Id-C87.2E



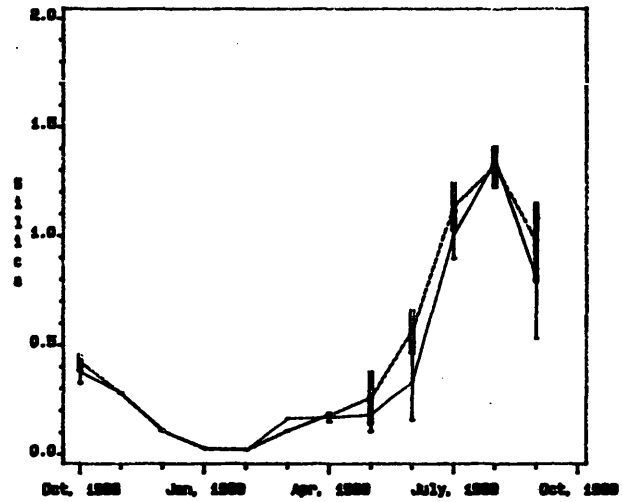
Month
LAYER — Surface — Bottom

Station Id-LES.8



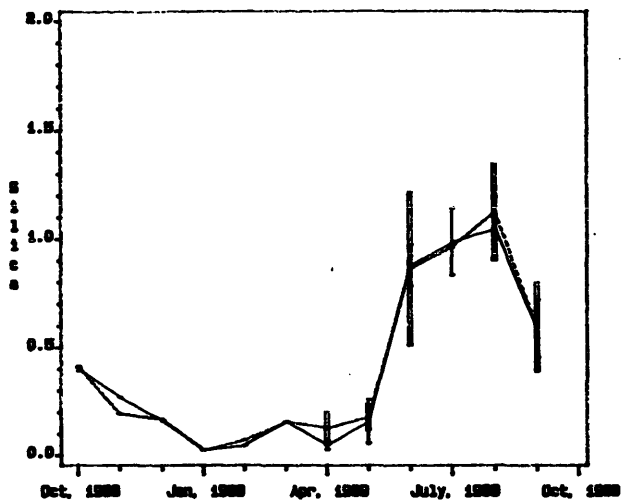
Month
LAYER — Surface — Bottom

Station Id-LES.7



Month
LAYER — Surface — Bottom

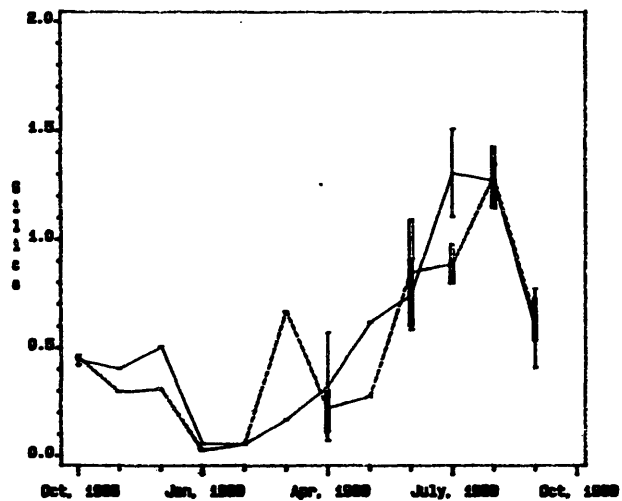
Station ID-ME4.1



Month

LAYER — Surface — Bottom

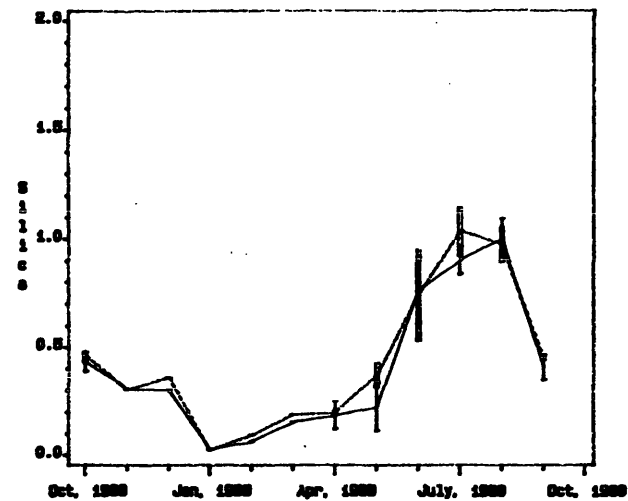
Station ID-ME4.2



Month

LAYER — Surface — Bottom

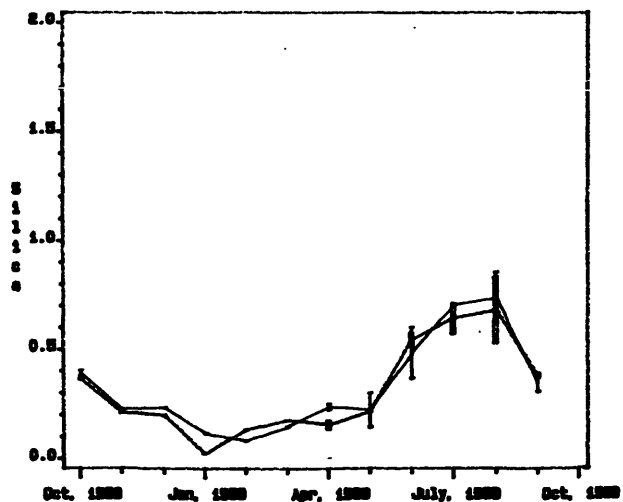
Station ID-ME4.3



Month

LAYER — Surface — Bottom

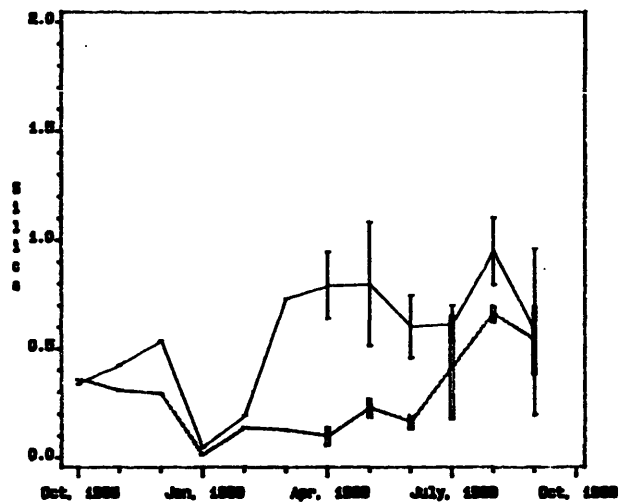
Station ID-ME4.4



Month

LAYER — Surface — Bottom

Station ID-ME4.5



Month

LAYER — Surface — Bottom

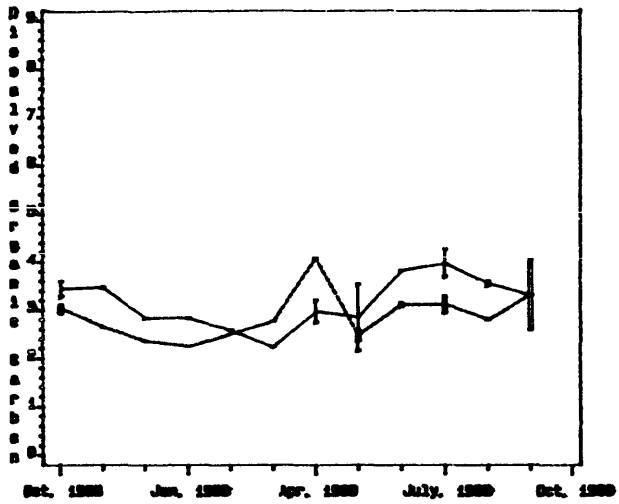
DISSOLVED ORGANIC CARBON

Values reported as mg/l.

Dissolved Organic Carbon
October, 1988 - September, 1989

| | Dissolved Organic Carbon | | | | | |
|-------------|--------------------------|-------|-------|--------|-------|-------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 4.275 | 3.224 | 2.155 | 4.105 | 2.996 | 2.240 |
| CB5.4..... | 4.585 | 3.477 | 2.380 | 3.345 | 2.885 | 2.205 |
| CB5.5..... | 4.475 | 3.393 | 2.435 | 4.695 | 2.916 | 1.995 |
| CB6.1..... | 6.125 | 3.565 | 2.370 | 6.920 | 3.103 | 1.975 |
| CB6.2..... | 4.340 | 3.175 | 1.685 | 3.620 | 2.895 | 2.275 |
| CB6.3..... | 6.390 | 3.615 | 2.635 | 7.590 | 3.168 | 2.340 |
| CB6.4..... | 4.610 | 3.186 | 2.150 | 3.440 | 2.753 | 2.150 |
| CB7.3..... | 4.050 | 3.019 | 1.840 | 2.940 | 2.135 | 1.580 |
| CB7.4..... | 3.610 | 2.631 | 1.380 | 2.540 | 2.072 | 1.390 |
| CB7.4N..... | 3.270 | 2.528 | 1.770 | 3.100 | 2.299 | 1.350 |
| CB8.1E..... | 6.580 | 3.136 | 1.740 | 2.470 | 2.078 | 1.230 |
| CB8.1..... | 4.730 | 3.276 | 1.850 | 3.140 | 2.626 | 1.820 |
| EE3.1..... | 12.385 | 5.944 | 3.170 | 12.435 | 5.081 | 3.045 |
| EE3.2..... | 5.390 | 3.963 | 2.865 | 4.650 | 3.587 | 2.525 |
| CB7.1N..... | 8.015 | 3.788 | 2.665 | 4.125 | 3.272 | 2.235 |
| CB7.1..... | 6.515 | 3.662 | 2.450 | 3.880 | 2.938 | 2.190 |
| CB7.1S..... | 4.795 | 3.323 | 2.270 | 3.330 | 2.698 | 1.615 |
| CB5.4W..... | 6.555 | 3.944 | 2.235 | 5.830 | 3.784 | 2.670 |
| CB7.2..... | 5.690 | 3.231 | 2.215 | 5.460 | 2.832 | 1.990 |
| CB7.2E..... | 4.060 | 3.159 | 2.160 | 5.525 | 2.876 | 2.110 |
| CB7.3E..... | 4.500 | 3.096 | 2.100 | 3.060 | 2.588 | 2.130 |
| LE3.6..... | 4.260 | 3.356 | 2.535 | 4.410 | 3.203 | 2.180 |
| LE3.7..... | 5.145 | 3.652 | 2.560 | 4.645 | 3.556 | 2.405 |
| WE4.1..... | 5.590 | 3.486 | 2.670 | 5.040 | 3.351 | 2.380 |
| WE4.2..... | 6.630 | 4.003 | 2.130 | 5.120 | 3.123 | 1.720 |
| WE4.3..... | 4.175 | 3.395 | 2.330 | 4.025 | 3.161 | 1.785 |
| WE4.4..... | 4.785 | 3.630 | 2.540 | 4.490 | 3.500 | 2.430 |
| LE5.5..... | 5.420 | 3.526 | 2.130 | 3.530 | 2.501 | 1.850 |

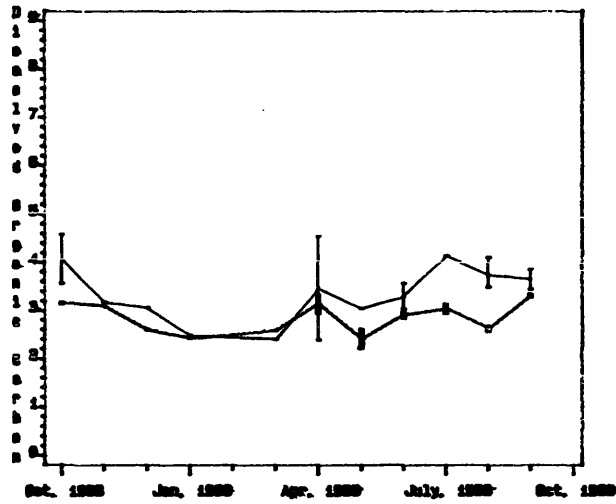
Station Id-CNS.3



Month

LAYER — Surface — Bottom

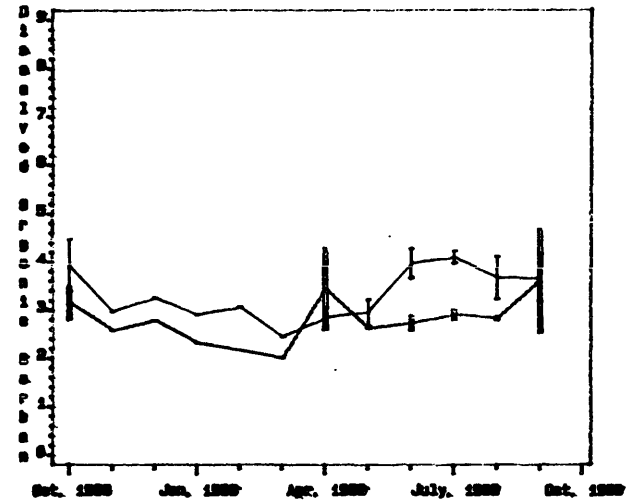
Station Id-CNS.4



Month

LAYER — Surface — Bottom

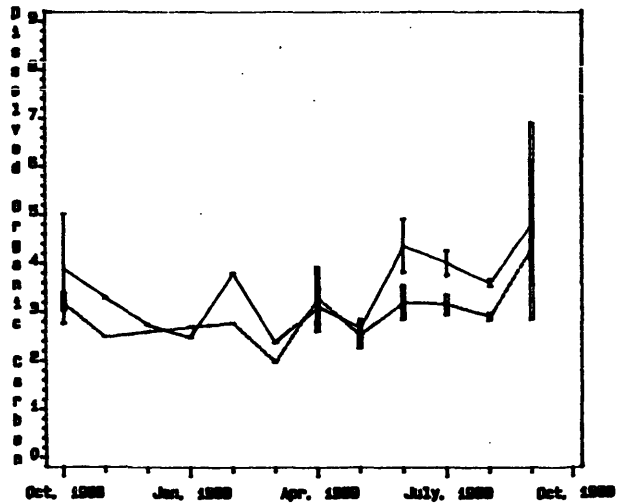
Station Id-CNS.5



Month

LAYER — Surface — Bottom

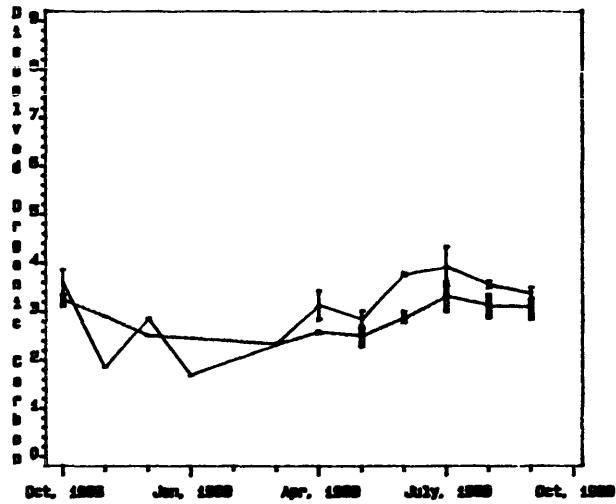
Station Id-CNS.1



Month

LAYER — Surface — Bottom

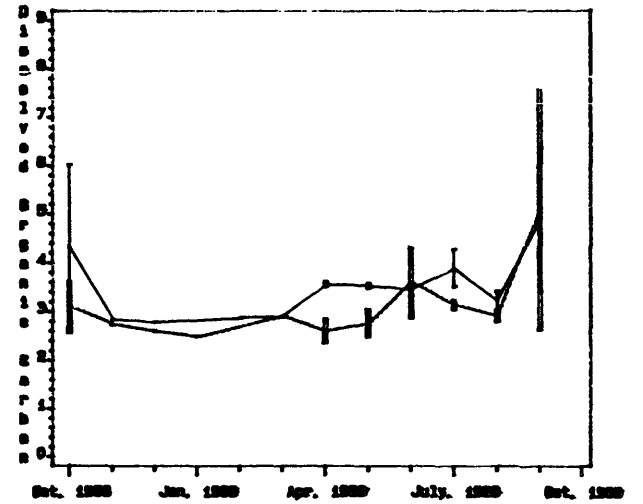
Station Id-CNS.2



Month

LAYER — Surface — Bottom

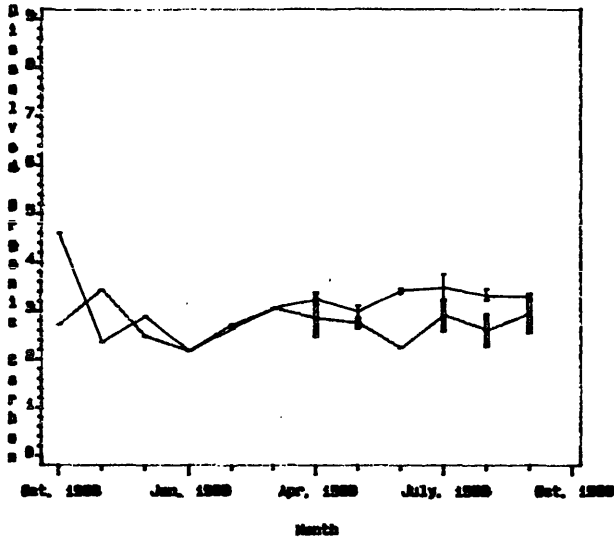
Station Id-CNS.3



Month

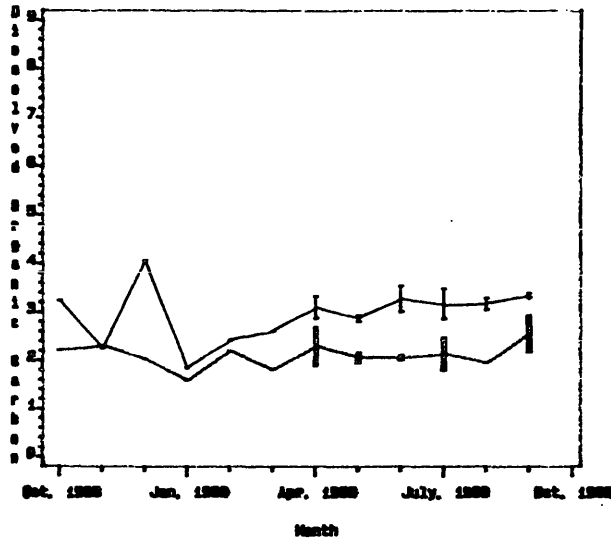
LAYER — Surface — Bottom

Station 20-026.4



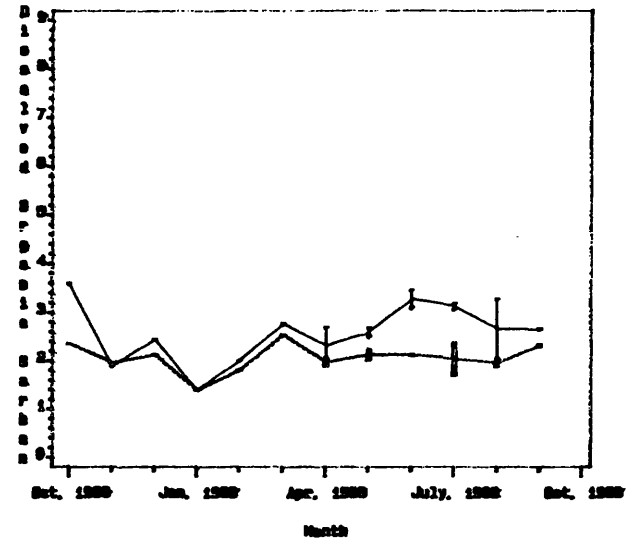
LAYER — Surface — Bottom

Station 20-027.3



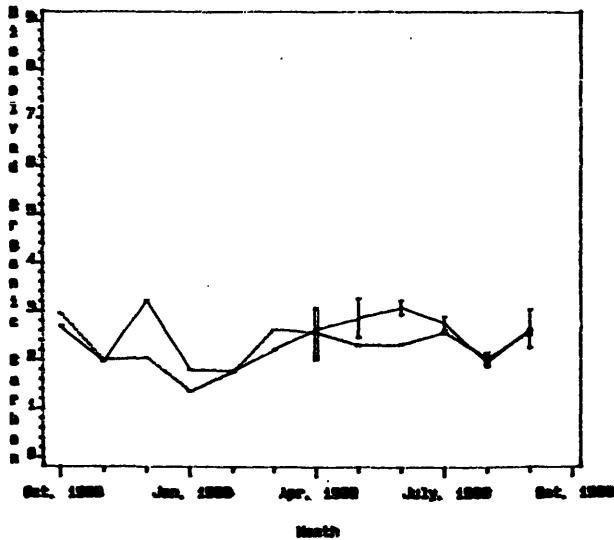
LAYER — Surface — Bottom

Station 20-027.4



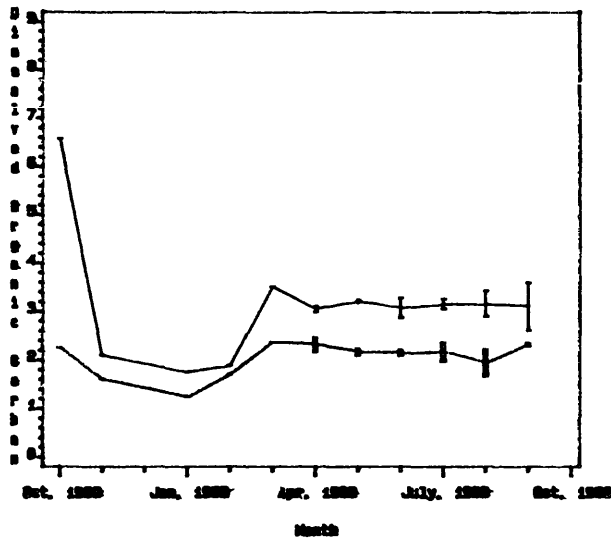
LAYER — Surface — Bottom

Station 20-027.01



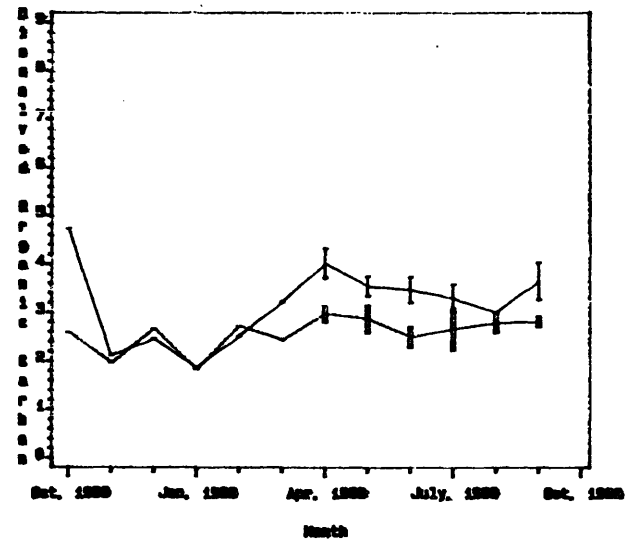
LAYER — Surface — Bottom

Station 20-028.2E



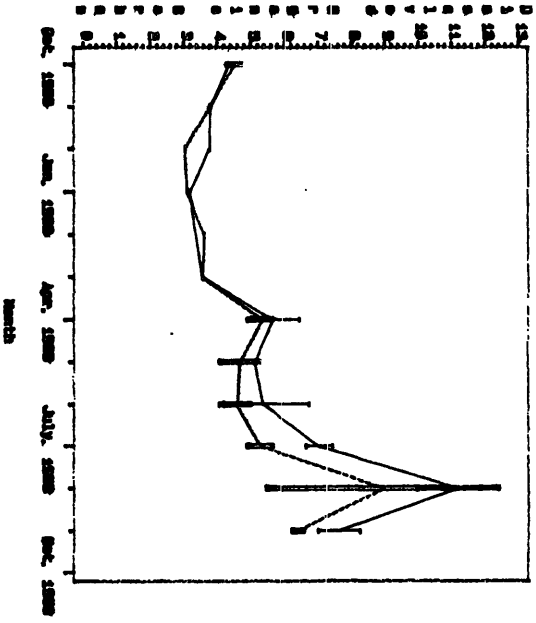
LAYER — Surface — Bottom

Station 20-028.1

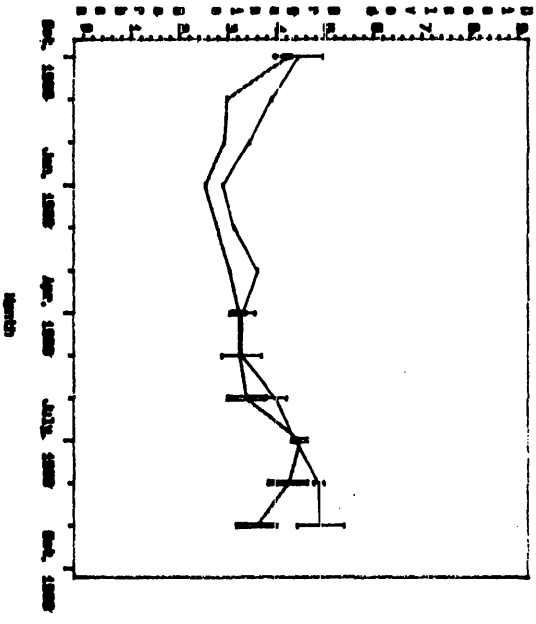


LAYER — Surface — Bottom

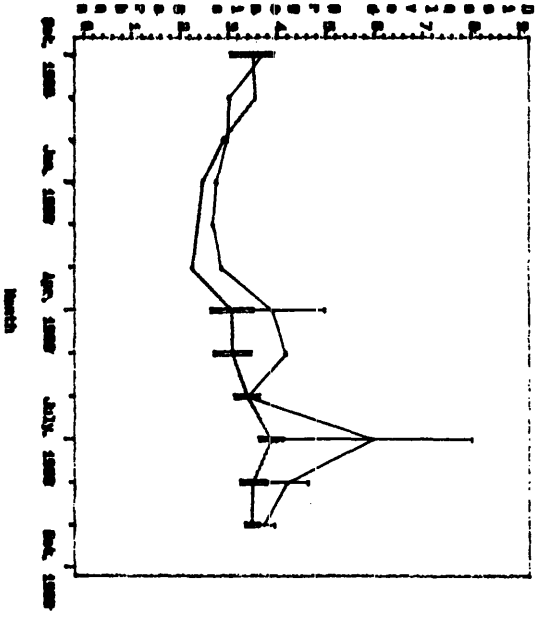
Section 20-020.1



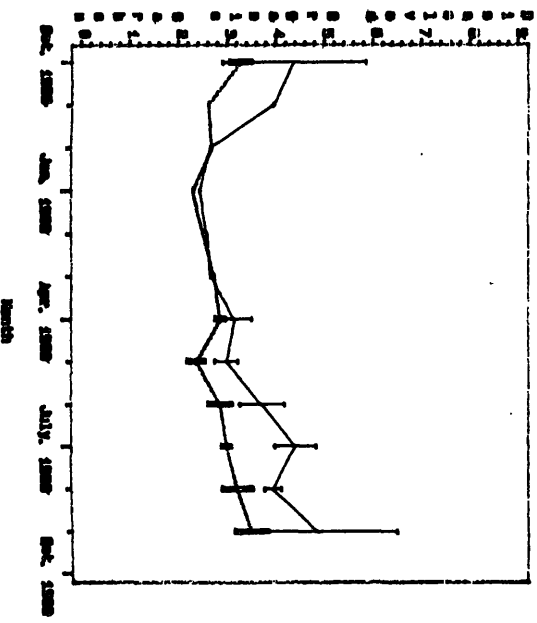
Section 20-020.2



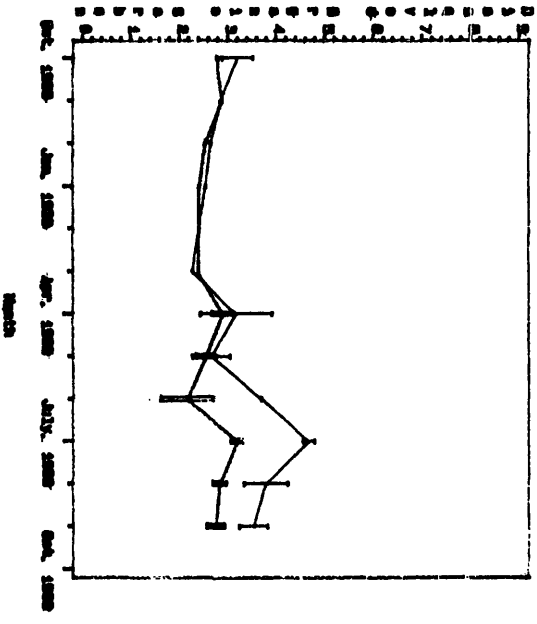
Section 20-020.30



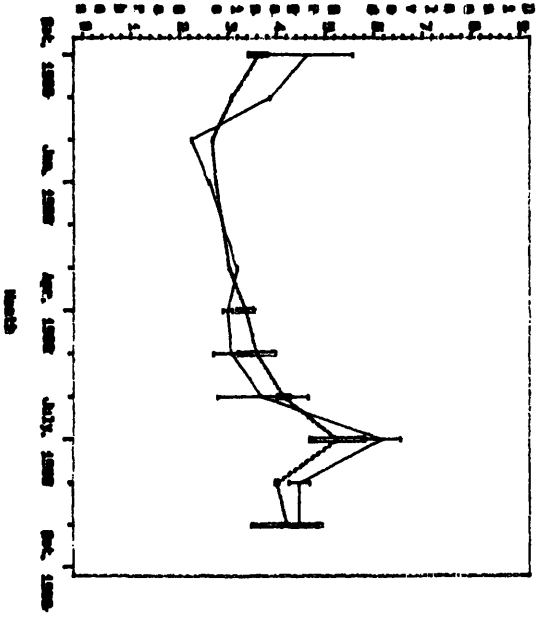
Section 20-020.1



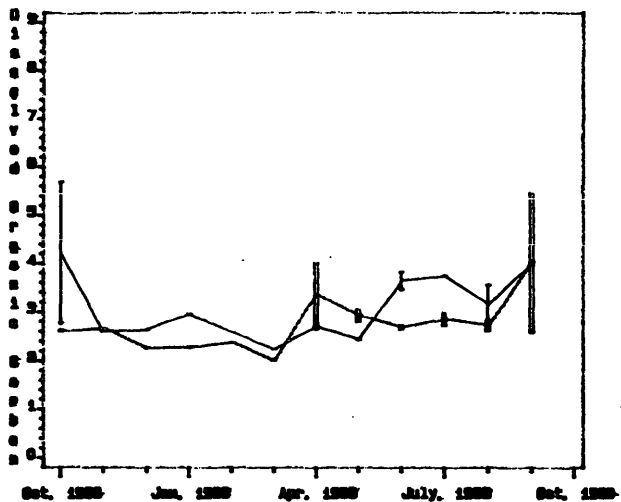
Section 20-020.15



Section 20-020.40



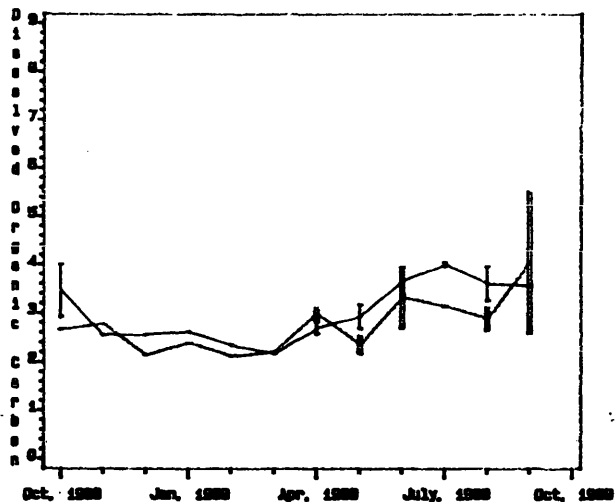
Station Id-057.2



Month

LAYER — Surface — Bottom

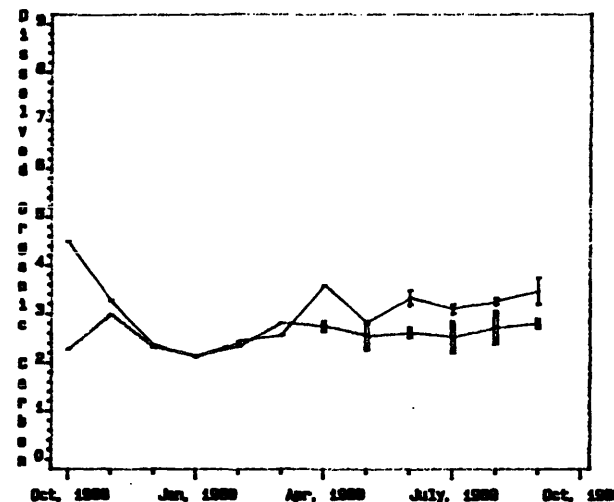
Station Id-057.2E



Month

LAYER — Surface — Bottom

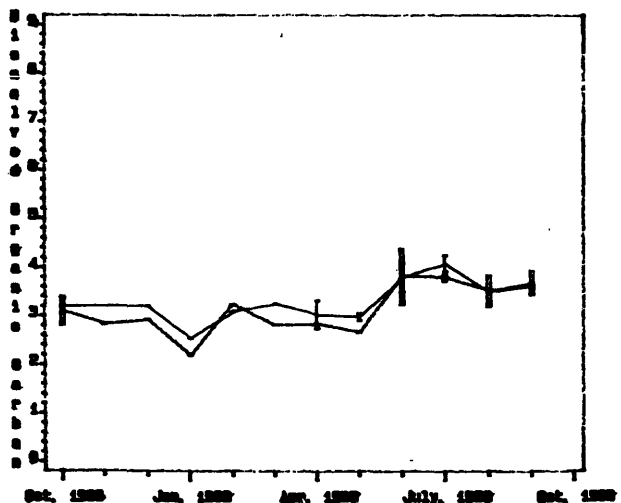
Station Id-057.2E



Month

LAYER — Surface — Bottom

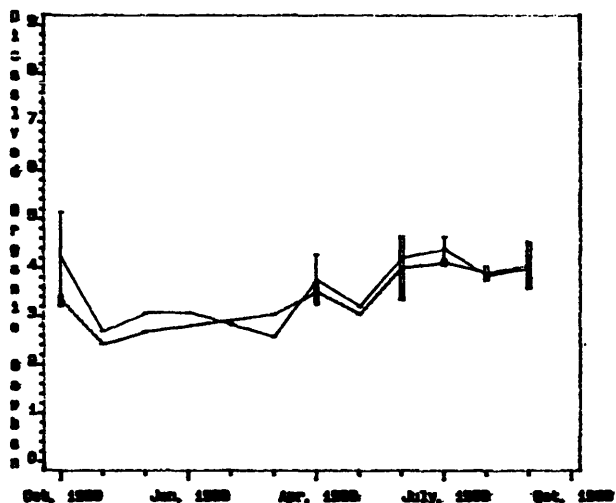
Station Id-453.0



Month

LAYER — Surface — Bottom

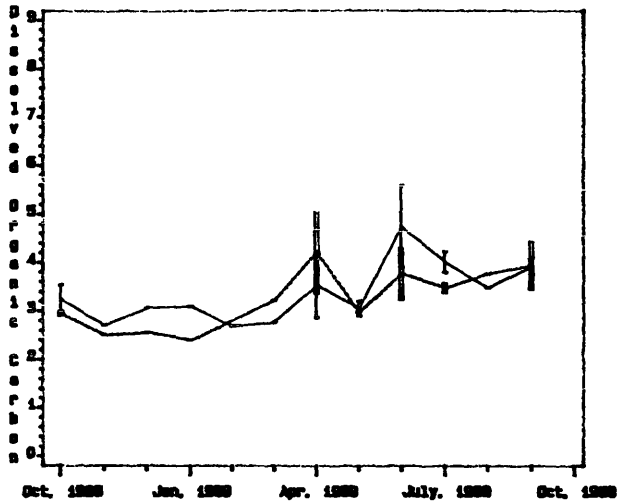
Station Id-453.7



Month

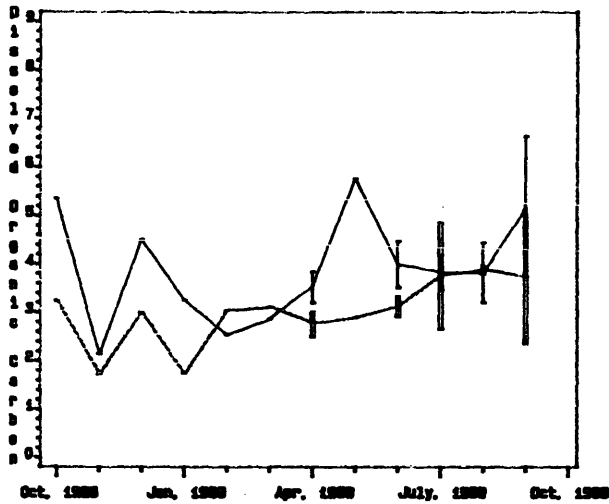
LAYER — Surface — Bottom

Station Id-ME4.1



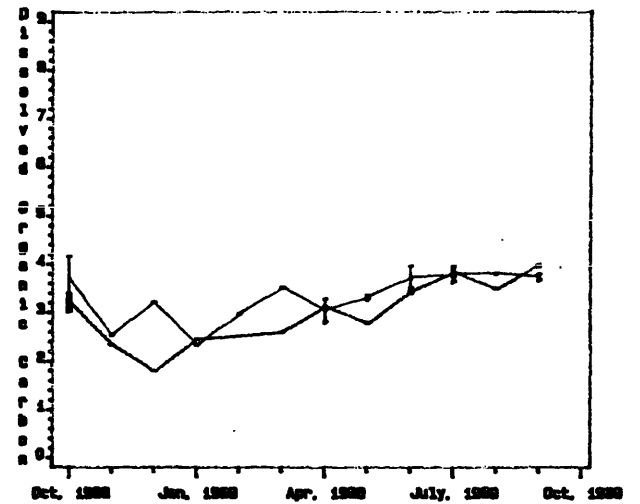
Month
 LAYER — Surface — Bottom

Station Id-ME4.2



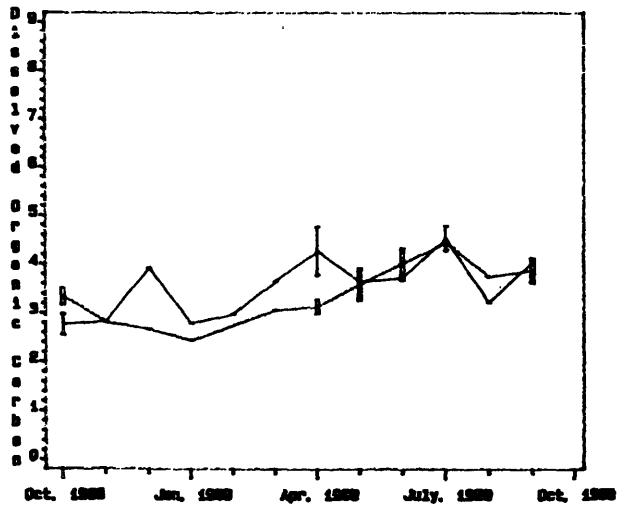
Month
 LAYER — Surface — Bottom

Station Id-ME4.3



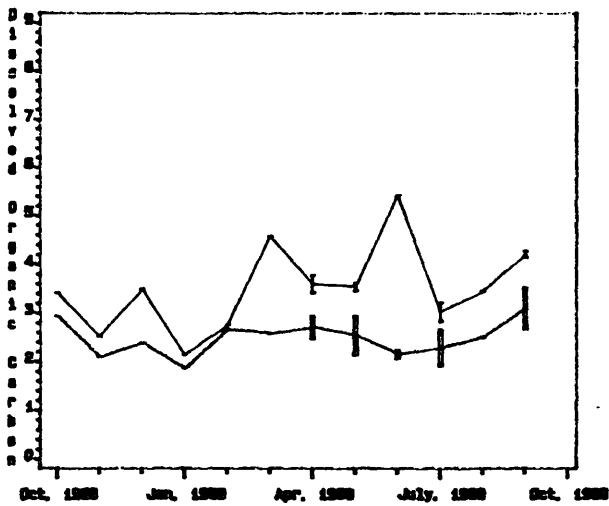
Month
 LAYER — Surface — Bottom

Station Id-ME4.4



Month
 LAYER — Surface — Bottom

Station Id-LE4.5



Month
 LAYER — Surface — Bottom

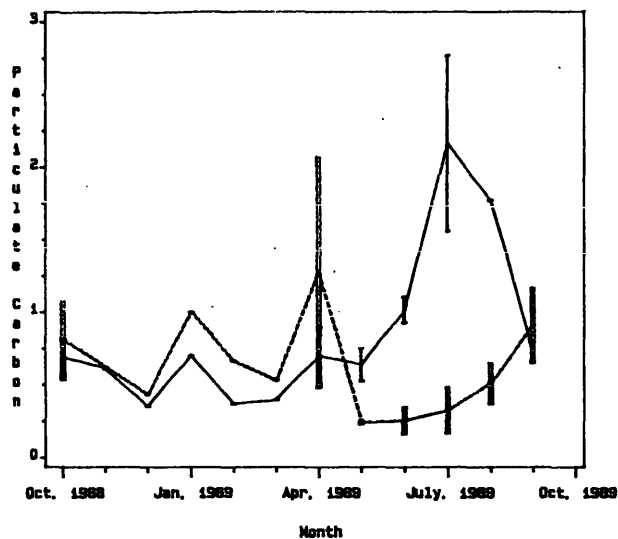
PARTICULATE CARBON

Values reported as mg/l.

Particulate Carbon
October, 1988 - September, 1989

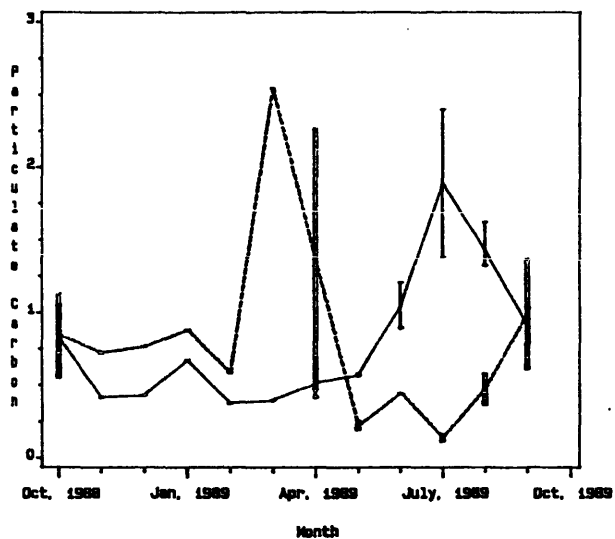
| | Particulate Carbon | | | | | |
|-------------|--------------------|--------|--------|--------|--------|--------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 2.7650 | 0.9342 | 0.3490 | 2.0700 | 0.6246 | 0.1600 |
| CB5.4..... | 2.4000 | 0.9025 | 0.3720 | 2.5450 | 0.7794 | 0.1140 |
| CB5.5..... | 2.3200 | 0.9029 | 0.3870 | 2.2250 | 0.7326 | 0.1120 |
| CB6.1..... | 2.3400 | 1.0079 | 0.2600 | 1.4200 | 0.6120 | 0.1210 |
| CB6.2..... | 2.1800 | 0.9551 | 0.3220 | 1.9200 | 0.6915 | 0.1430 |
| CB6.3..... | 2.7670 | 1.0199 | 0.3310 | 1.5710 | 0.6926 | 0.1460 |
| CB6.4..... | 2.3100 | 0.7904 | 0.1200 | 2.3100 | 0.6446 | 0.3100 |
| CB7.3..... | 2.0100 | 0.6467 | 0.3100 | 2.0100 | 0.6400 | 0.3100 |
| CB7.4..... | 1.3100 | 0.6026 | 0.2600 | 1.1700 | 0.5954 | 0.2600 |
| CB7.4N..... | 1.6500 | 0.6344 | 0.1200 | 2.8400 | 0.7550 | 0.1200 |
| CB8.1E..... | 2.8400 | 0.7982 | 0.2700 | 1.5700 | 0.7020 | 0.1200 |
| CB8.1..... | 1.3800 | 0.6765 | 0.1200 | 1.3800 | 0.7296 | 0.1200 |
| EE3.1..... | 2.1370 | 1.1244 | 0.4540 | 2.3080 | 1.1211 | 0.3690 |
| EE3.2..... | 1.5750 | 0.9133 | 0.4260 | 3.1200 | 1.3024 | 0.3830 |
| CB7.1N..... | 1.6650 | 0.8652 | 0.4650 | 1.9500 | 0.9089 | 0.1420 |
| CB7.1..... | 1.5830 | 0.8864 | 0.4460 | 2.5330 | 0.8064 | 0.3010 |
| CB7.1S..... | 2.1370 | 0.9181 | 0.3510 | 1.4650 | 0.5766 | 0.2100 |
| CB5.4W..... | 2.3400 | 1.0661 | 0.3500 | 2.3400 | 1.0522 | 0.3180 |
| CB7.2..... | 2.2610 | 0.9628 | 0.3660 | 1.4280 | 0.6177 | 0.1100 |
| CB7.2E..... | 2.9030 | 0.9578 | 0.3100 | 1.0100 | 0.4777 | 0.2060 |
| CB7.3E..... | 1.8100 | 0.7198 | 0.1200 | 1.8100 | 0.7004 | 0.3300 |
| LE3.6..... | 2.6240 | 0.9426 | 0.3840 | 1.4390 | 0.8252 | 0.3980 |
| LE3.7..... | 2.6460 | 0.9079 | 0.3770 | 1.4280 | 0.8851 | 0.4070 |
| WE4.1..... | 1.4200 | 0.8991 | 0.4790 | 1.4900 | 0.8841 | 0.5610 |
| WE4.2..... | 1.7400 | 0.7763 | 0.3630 | 1.0420 | 0.7863 | 0.3560 |
| WE4.3..... | 1.8140 | 0.8757 | 0.3190 | 1.5620 | 0.8893 | 0.3210 |
| WE4.4..... | 1.5920 | 0.8296 | 0.2660 | 1.5690 | 0.8884 | 0.2420 |
| LE5.5..... | 1.9700 | 0.9294 | 0.1200 | 1.9700 | 0.8344 | 0.1200 |

Station Id-CB5.3



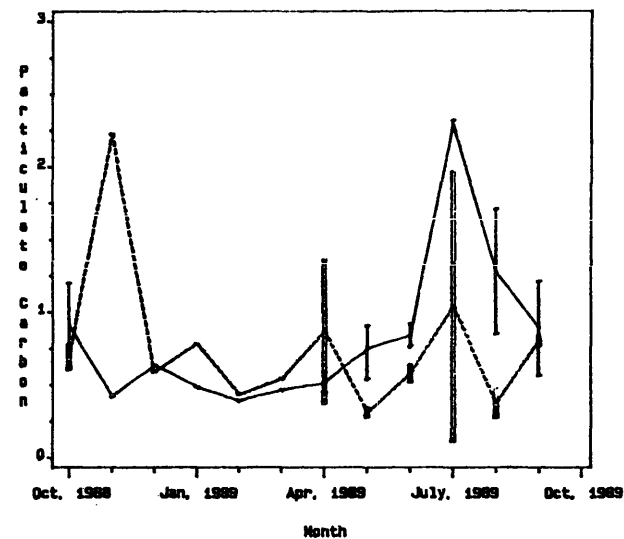
LAYER — Surface — Bottom

Station Id-CB5.4



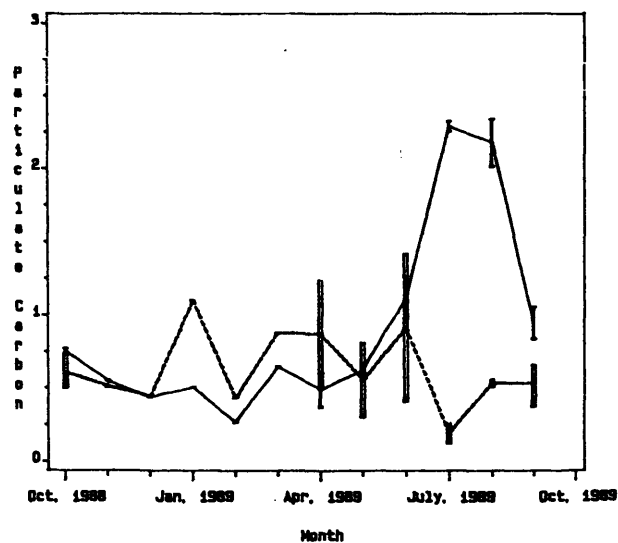
LAYER — Surface — Bottom

Station Id-CB5.5



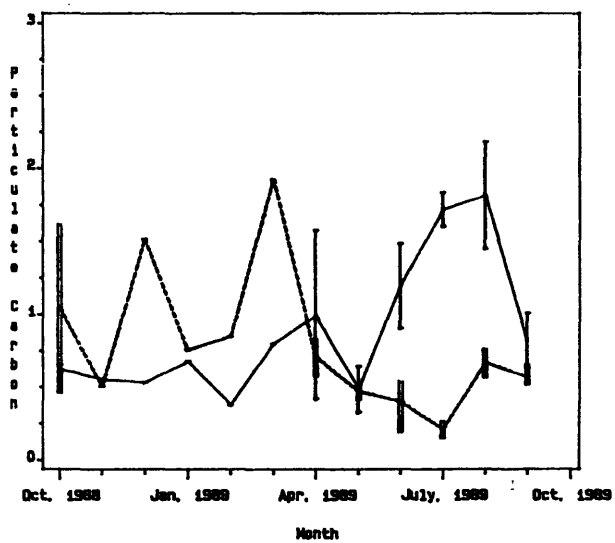
LAYER — Surface — Bottom

Station Id-CB6.1



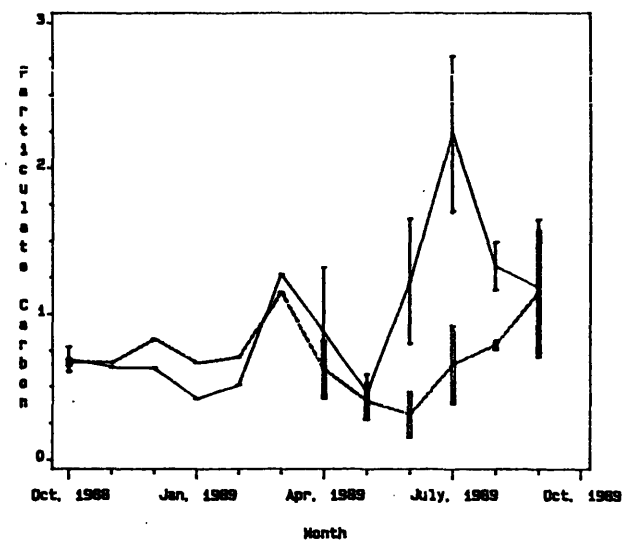
LAYER — Surface — Bottom

Station Id-CB6.2



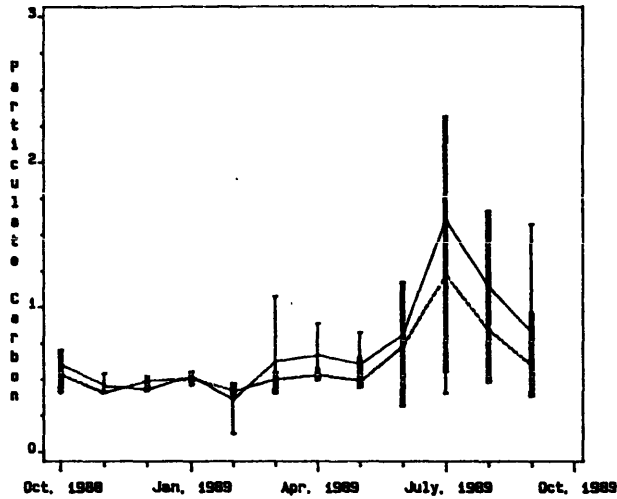
LAYER — Surface — Bottom

Station Id-CB6.3



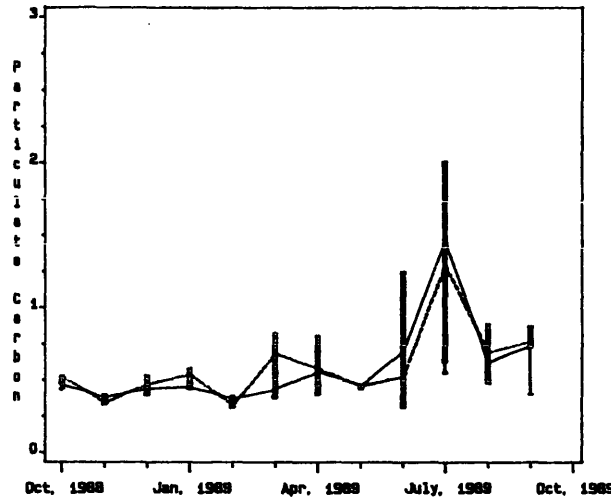
LAYER — Surface — Bottom

Station Id=CB8.4



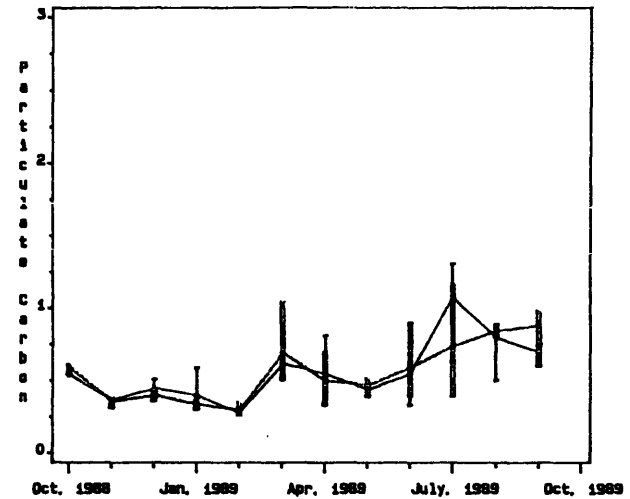
Month
LAYER — Surface — Bottom

Station Id=CB7.3



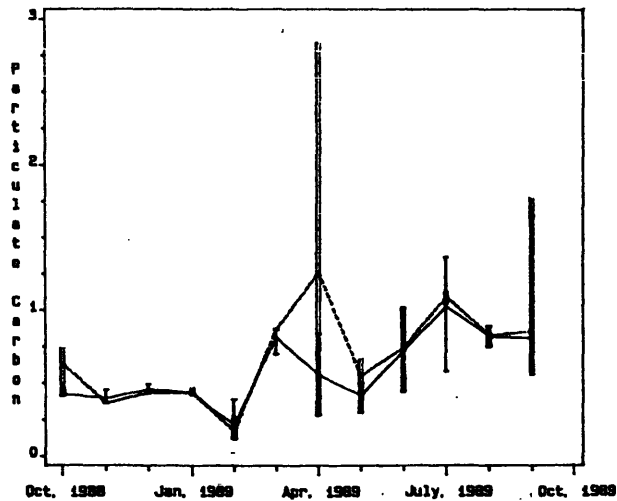
Month
LAYER — Surface — Bottom

Station Id=CB7.4



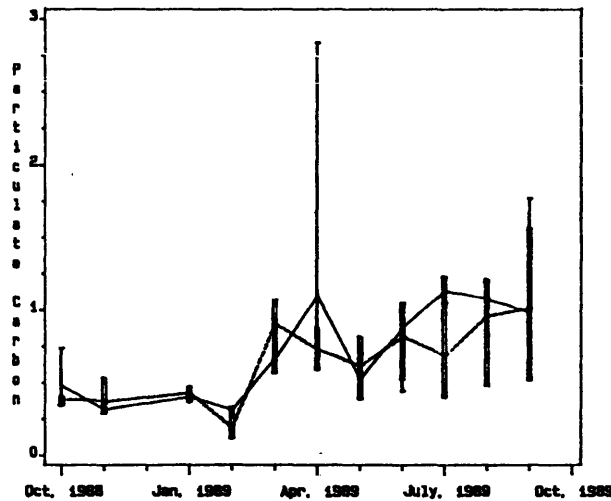
Month
LAYER — Surface — Bottom

Station Id=CB7.4N



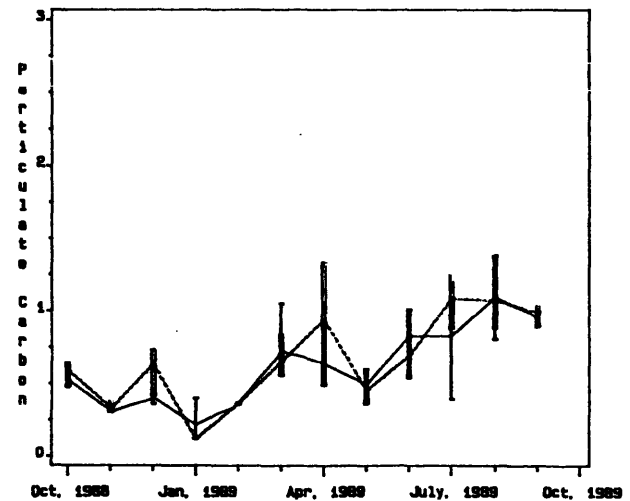
Month
LAYER — Surface — Bottom

Station Id=CB8.1E



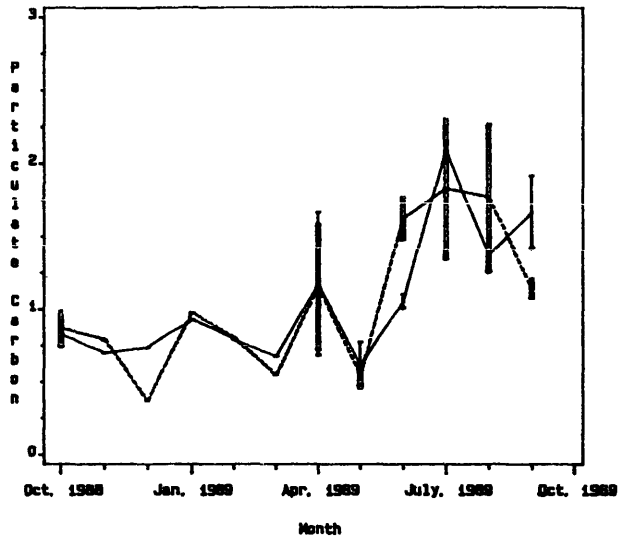
Month
LAYER — Surface — Bottom

Station Id=CB8.1



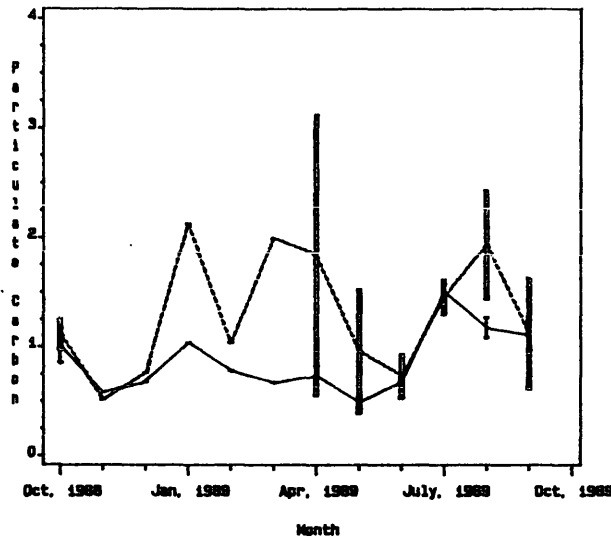
Month
LAYER — Surface — Bottom

Station Id-EE3.1



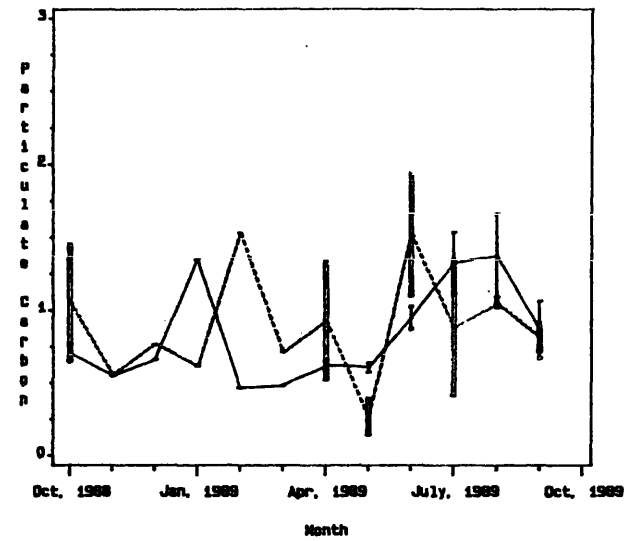
LAYER — Surface — Bottom

Station Id-EE3.2



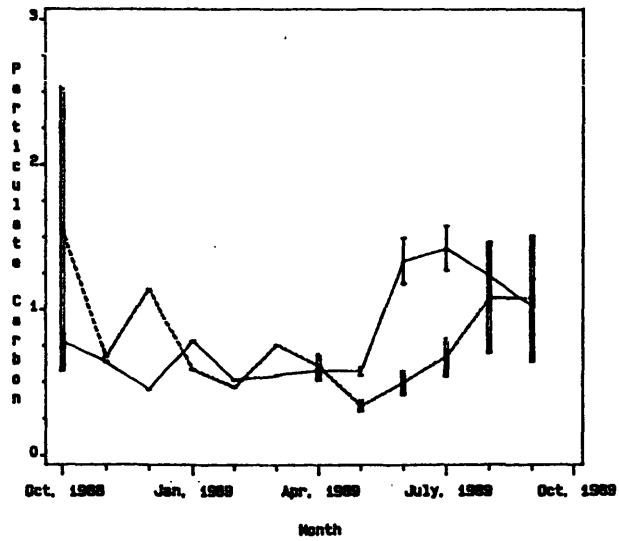
LAYER — Surface — Bottom

Station Id-CB7.1N



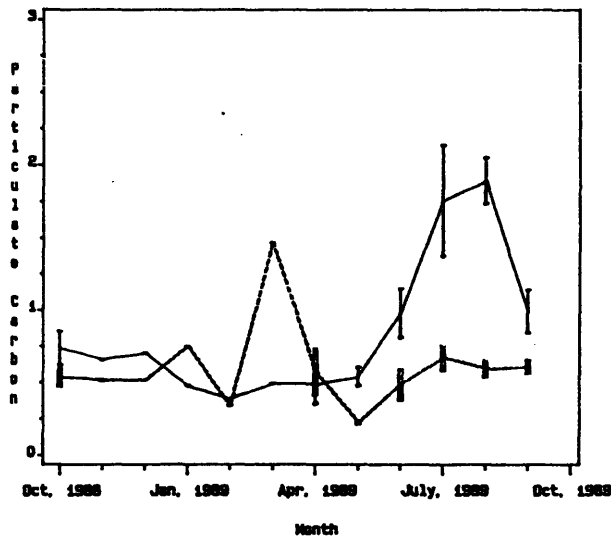
LAYER — Surface — Bottom

Station Id-CB7.1



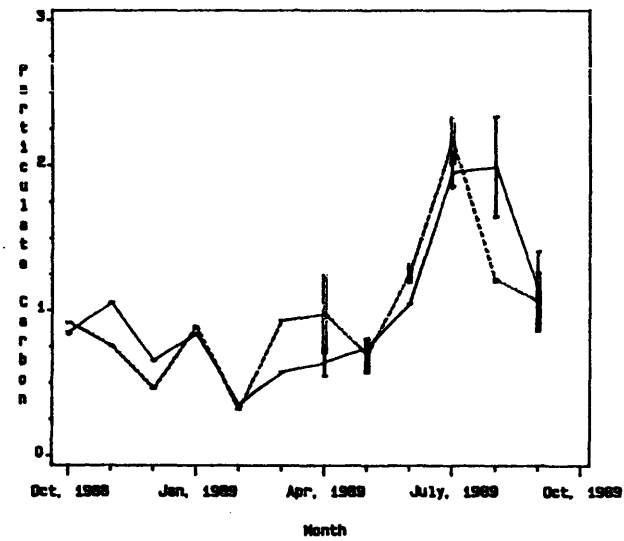
LAYER — Surface — Bottom

Station Id-CB7.1S



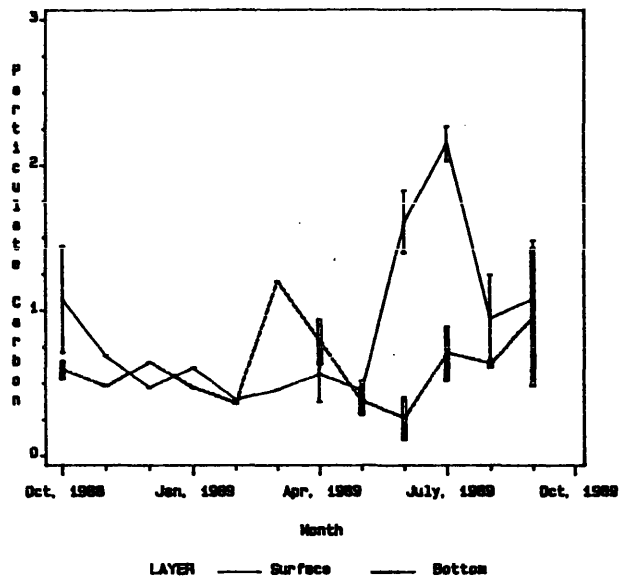
LAYER — Surface — Bottom

Station Id-CB5.4N

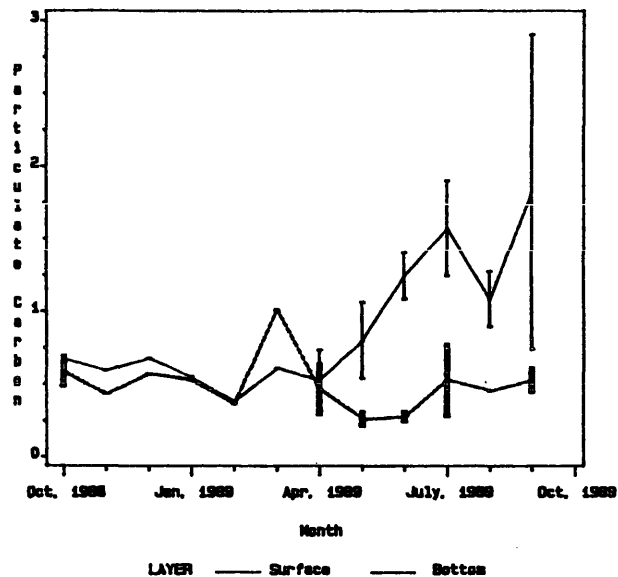


LAYER — Surface — Bottom

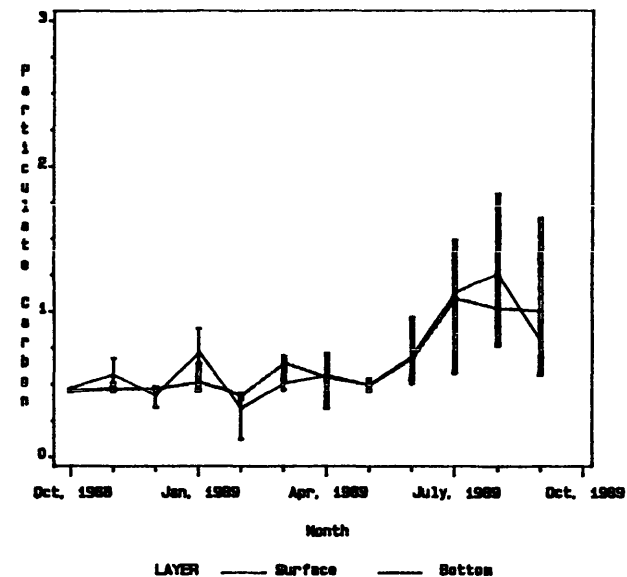
Station Id-C87.2



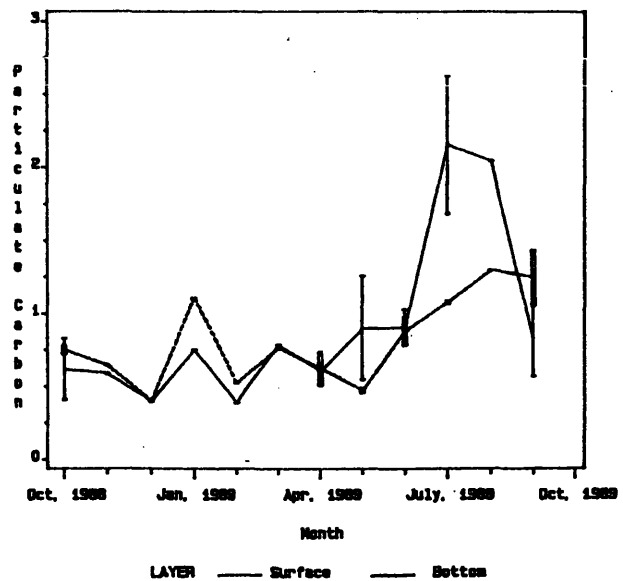
Station Id-C87.2E



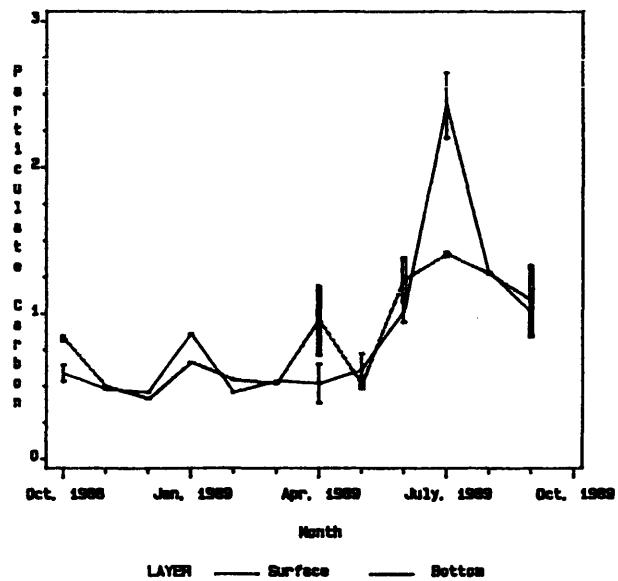
Station Id-C87.3E



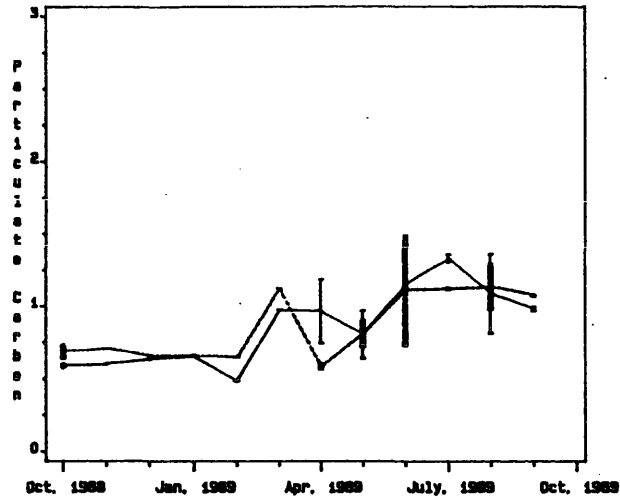
Station Id-LE3.6



Station Id-LE3.7

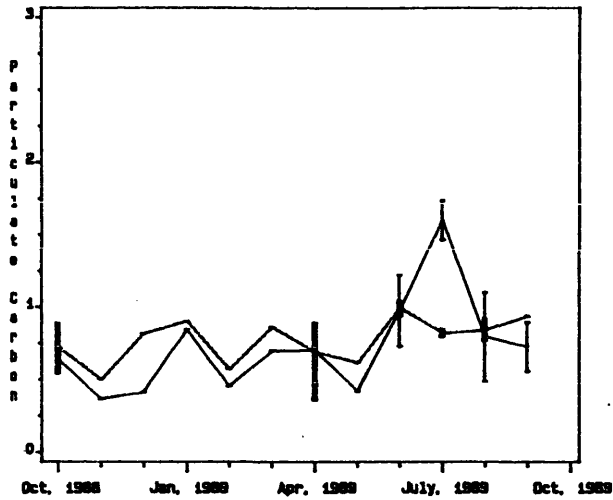


Station Id-NE4.1



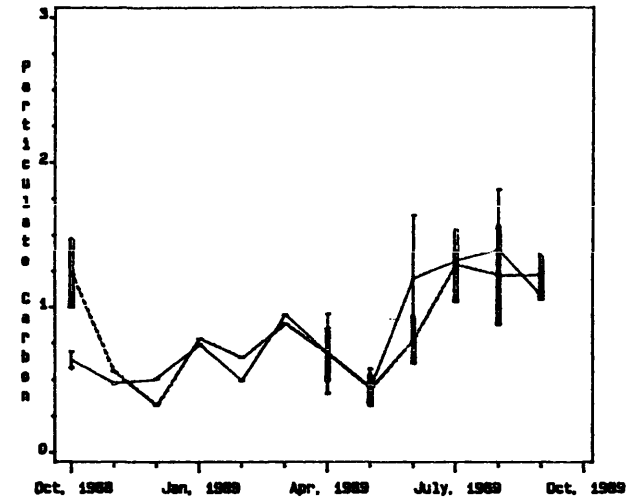
Month
LAYER — Surface — Bottom

Station Id-NE4.2



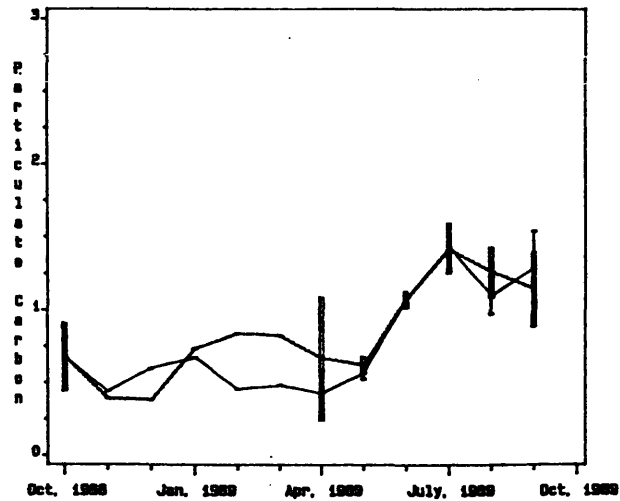
Month
LAYER — Surface — Bottom

Station Id-NE4.3



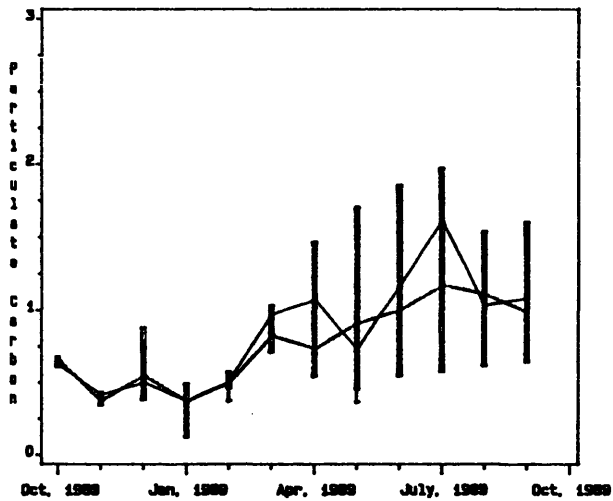
Month
LAYER — Surface — Bottom

Station Id-NE4.4



Month
LAYER — Surface — Bottom

Station Id-LE3.5



Month
LAYER — Surface — Bottom

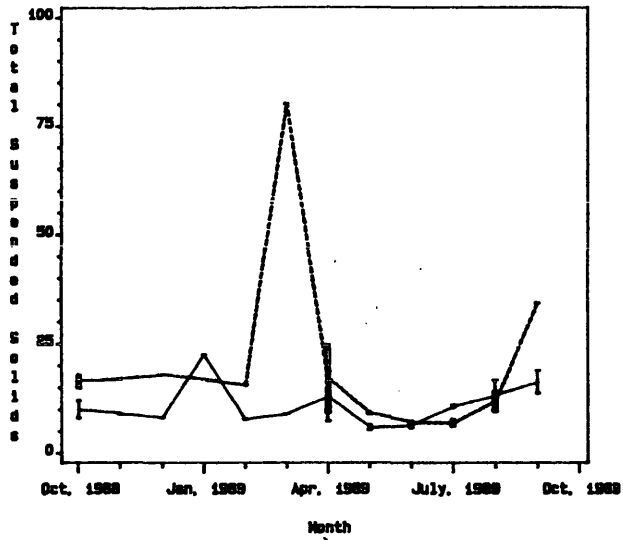
TOTAL SUSPENDED SOLIDS

Values reported as mg/l.

Total Suspended Solids
October, 1988 - September, 1989

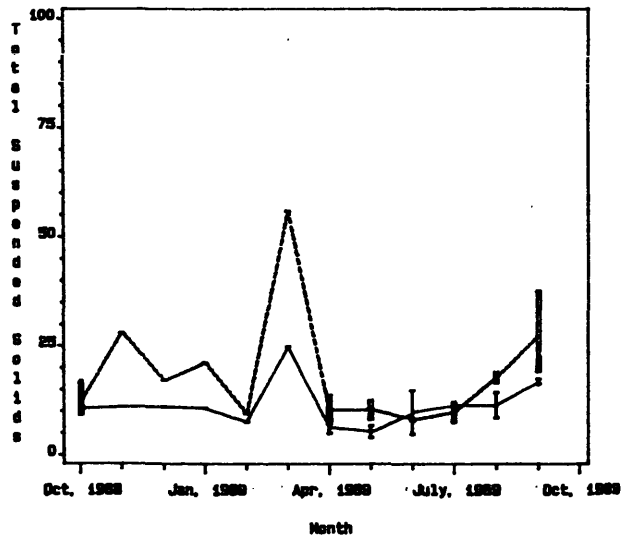
| | Total Suspended Solids | | | | | |
|-------------|------------------------|-------|------|--------|-------|-------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 22.40 | 10.84 | 5.20 | 80.00 | 18.63 | 6.00 |
| CB5.4..... | 20.20 | 9.38 | 3.60 | 132.00 | 23.97 | 6.60 |
| CB5.5..... | 30.00 | 11.07 | 4.60 | 97.00 | 23.44 | 4.20 |
| CB6.1..... | 24.86 | 10.91 | 3.80 | 56.00 | 17.27 | 7.00 |
| CB6.2..... | 39.00 | 15.18 | 0.57 | 110.40 | 24.55 | 8.20 |
| CB6.3..... | 92.00 | 19.01 | 2.80 | 88.00 | 31.90 | 2.40 |
| CB6.4..... | 9.60 | 6.00 | 2.00 | 22.00 | 10.23 | 4.80 |
| CB7.3..... | 9.70 | 5.95 | 2.00 | 25.80 | 12.57 | 5.10 |
| CB7.4..... | 9.70 | 5.74 | 2.00 | 40.50 | 11.84 | 5.00 |
| CB7.4N..... | 21.80 | 6.90 | 2.00 | 41.50 | 15.13 | 4.30 |
| CB8.1E..... | 18.70 | 6.01 | 2.00 | 46.40 | 15.41 | 2.00 |
| CB8.1..... | 11.70 | 6.39 | 2.00 | 39.30 | 15.63 | 4.20 |
| EE3.1..... | 49.56 | 19.47 | 7.40 | 51.60 | 19.03 | 7.00 |
| EE3.2..... | 25.40 | 14.01 | 2.80 | 82.00 | 35.32 | 8.60 |
| CB7.1N..... | 32.00 | 11.51 | 4.20 | 66.80 | 26.11 | 8.80 |
| CB7.1..... | 62.60 | 14.12 | 5.00 | 71.60 | 26.88 | 8.20 |
| CB7.1S..... | 25.50 | 11.35 | 5.40 | 51.80 | 24.17 | 7.80 |
| CB5.4W..... | 20.20 | 9.93 | 4.80 | 19.40 | 10.27 | 5.40 |
| CB7.2..... | 38.00 | 15.72 | 2.40 | 83.00 | 26.68 | 11.00 |
| CB7.2E..... | 49.00 | 14.41 | 5.80 | 75.43 | 19.13 | 6.20 |
| CB7.3E..... | 31.50 | 7.60 | 2.00 | 39.50 | 14.03 | 7.10 |
| LE3.6..... | 21.20 | 10.43 | 5.40 | 54.60 | 15.66 | 5.20 |
| LE3.7..... | 18.20 | 10.12 | 4.00 | 38.57 | 14.00 | 6.40 |
| WE4.1..... | 59.43 | 24.21 | 6.80 | 48.00 | 21.41 | 5.40 |
| WE4.2..... | 41.67 | 19.74 | 6.60 | 70.25 | 29.92 | 6.40 |
| WE4.3..... | 43.00 | 19.65 | 5.20 | 65.50 | 22.43 | 5.60 |
| WE4.4..... | 50.67 | 21.45 | 7.80 | 66.33 | 22.45 | 7.40 |
| LE5.5..... | 11.50 | 7.64 | 5.60 | 77.00 | 23.52 | 6.40 |

Station Id-CBS.3



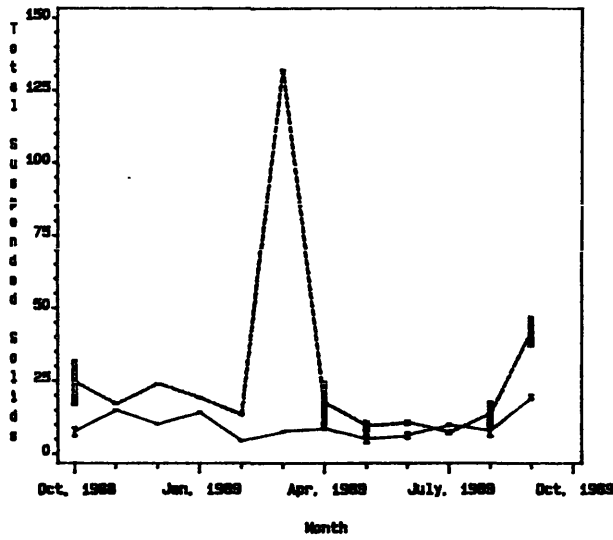
LAYER — Surface — Bottom

Station Id-CBS.1



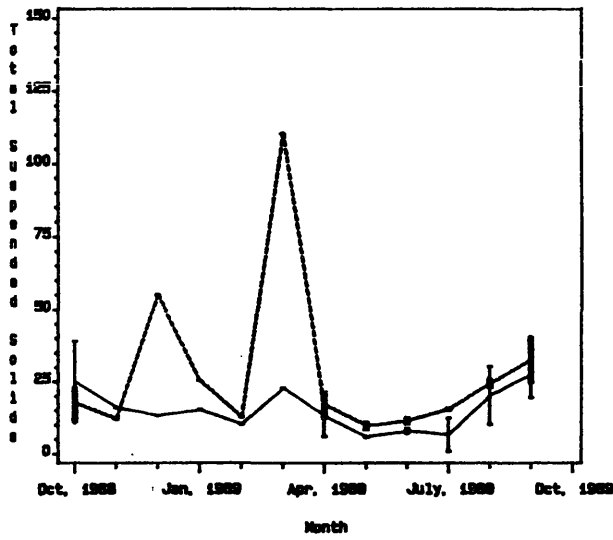
LAYER — Surface — Bottom

Station Id-CBS.4



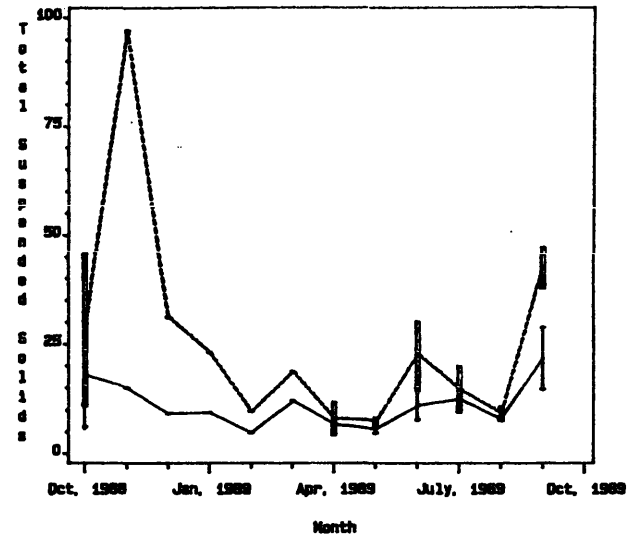
LAYER — Surface — Bottom

Station Id-CBS.2



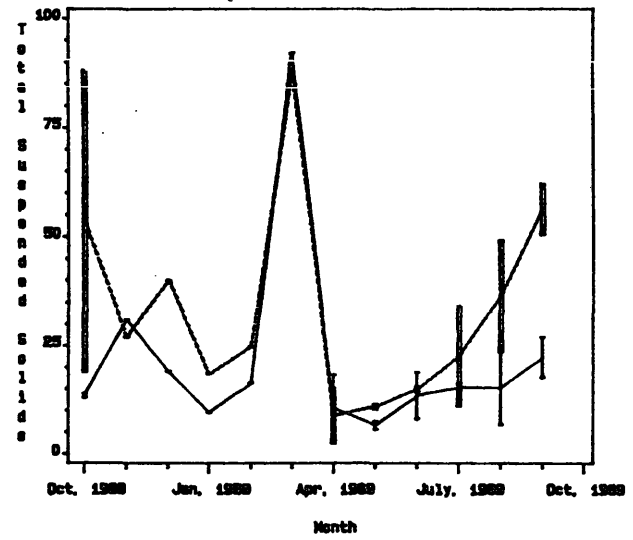
LAYER — Surface — Bottom

Station Id-CBS.5



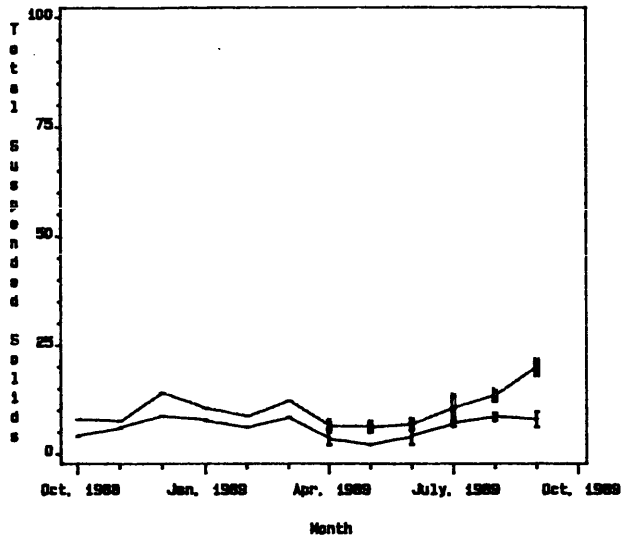
LAYER — Surface — Bottom

Station Id-CBS.3



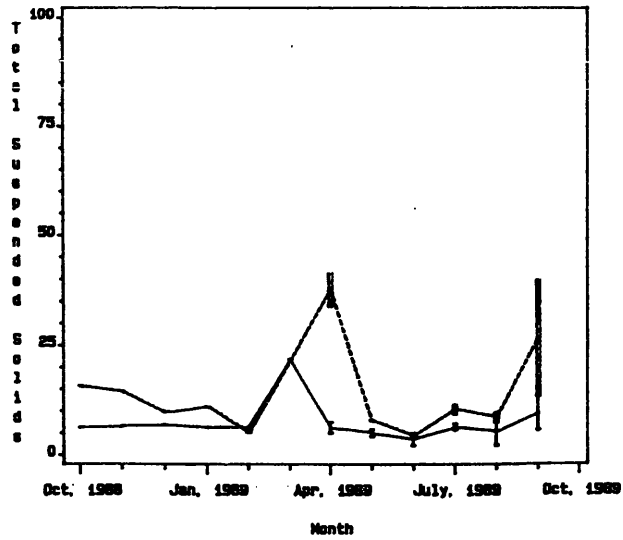
LAYER — Surface — Bottom

Station Id-C86.4



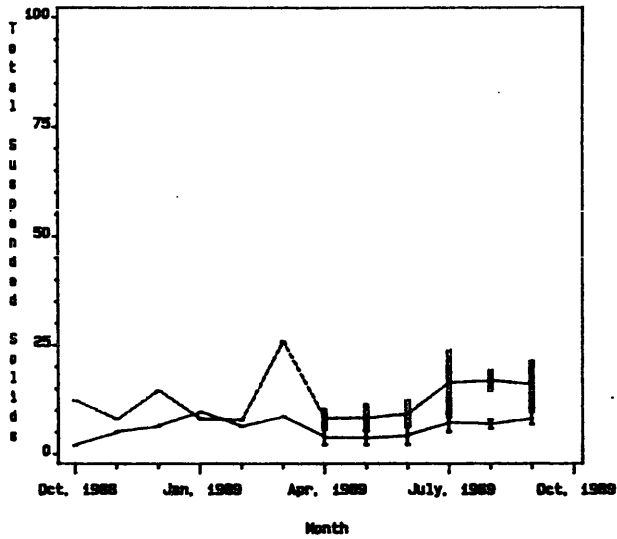
LAYER — Surface — Bottom

Station Id-C87.4N



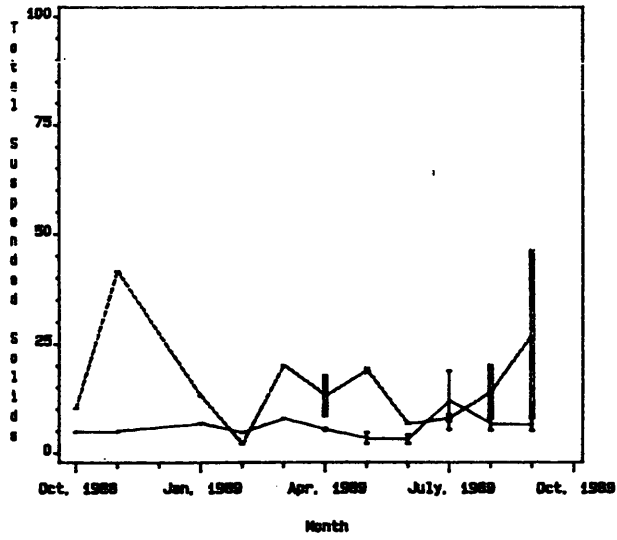
LAYER — Surface — Bottom

Station Id-C87.3



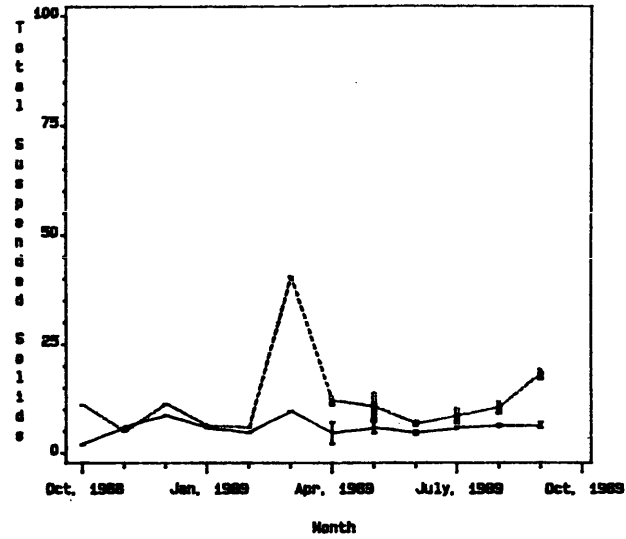
LAYER — Surface — Bottom

Station Id-C88.1E



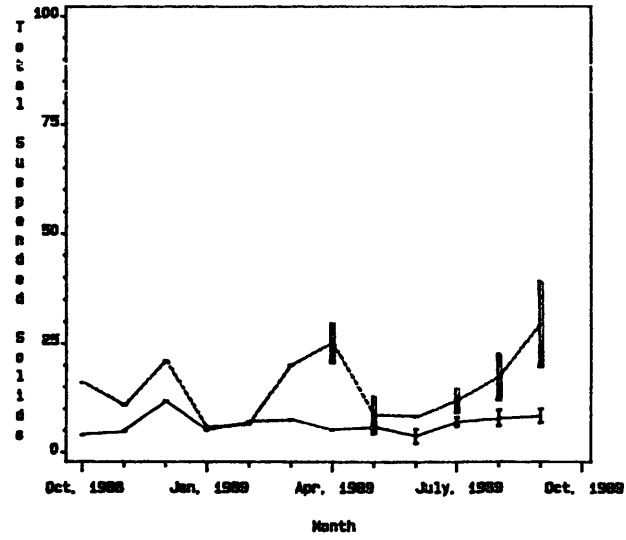
LAYER — Surface — Bottom

Station Id-C87.4



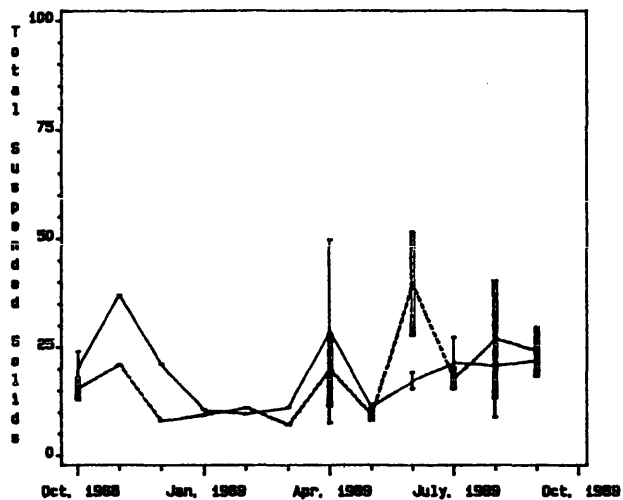
LAYER — Surface — Bottom

Station Id-C88.1



LAYER — Surface — Bottom

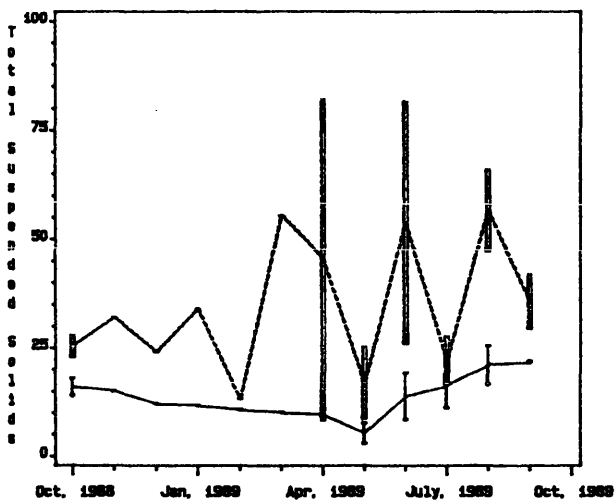
Station Id-CE3.1



Month

LAYER — Surface — Bottom

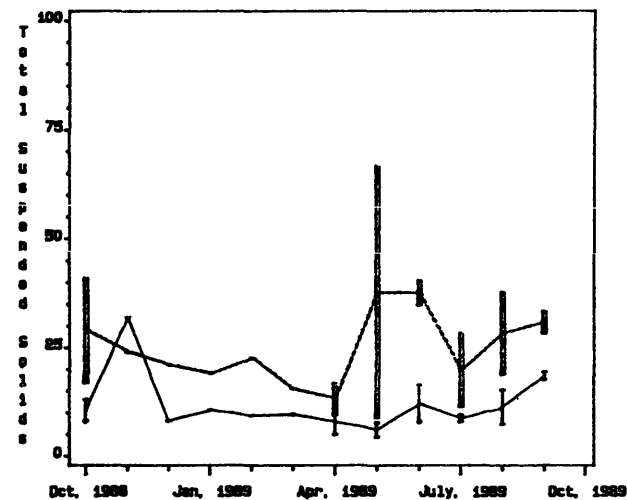
Station Id-CE3.2



Month

LAYER — Surface — Bottom

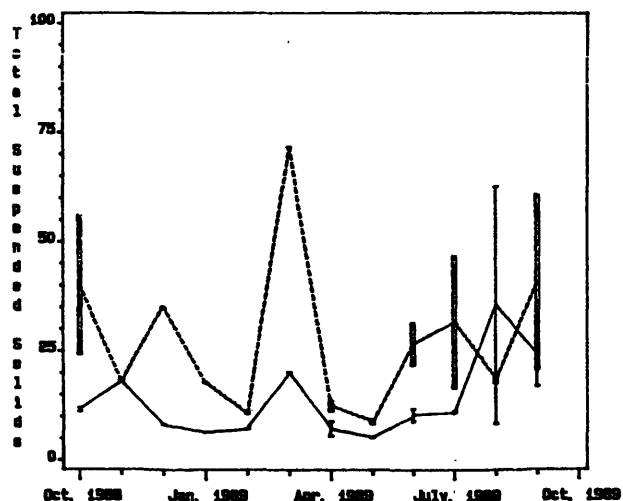
Station Id-CE7.1N



Month

LAYER — Surface — Bottom

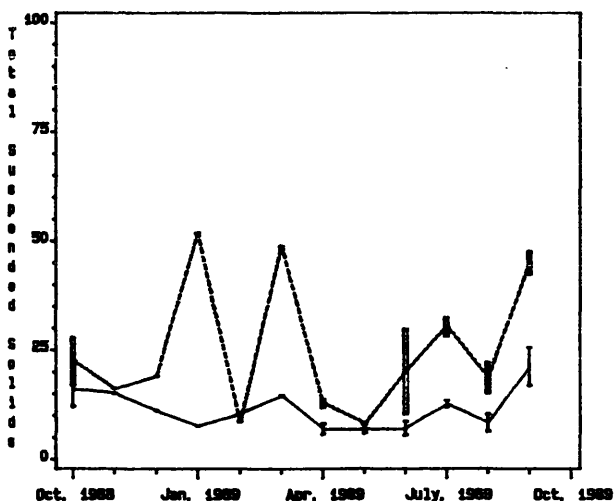
Station Id-CE7.1



Month

LAYER — Surface — Bottom

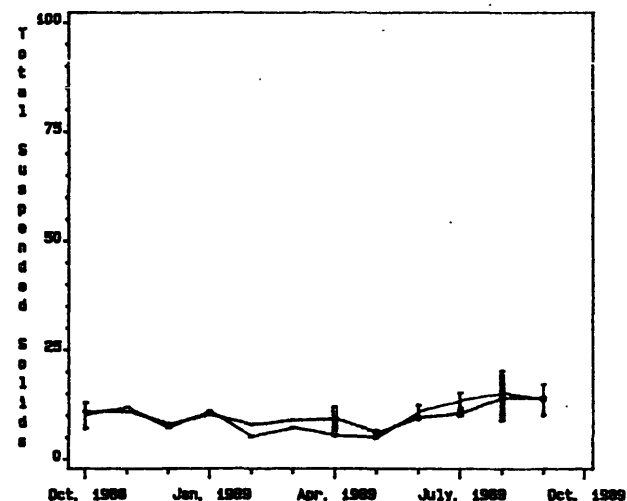
Station Id-CE7.1S



Month

LAYER — Surface — Bottom

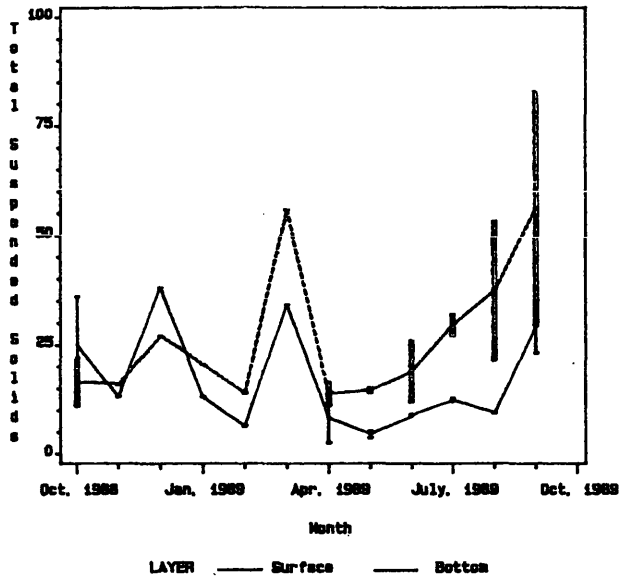
Station Id-CE5.4N



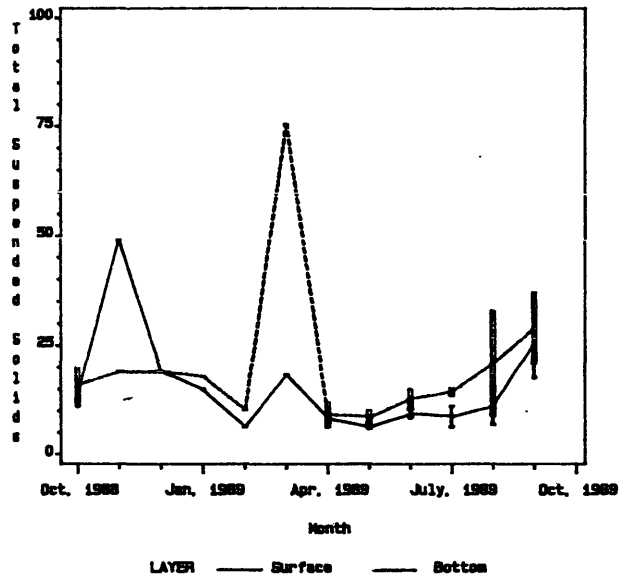
Month

LAYER — Surface — Bottom

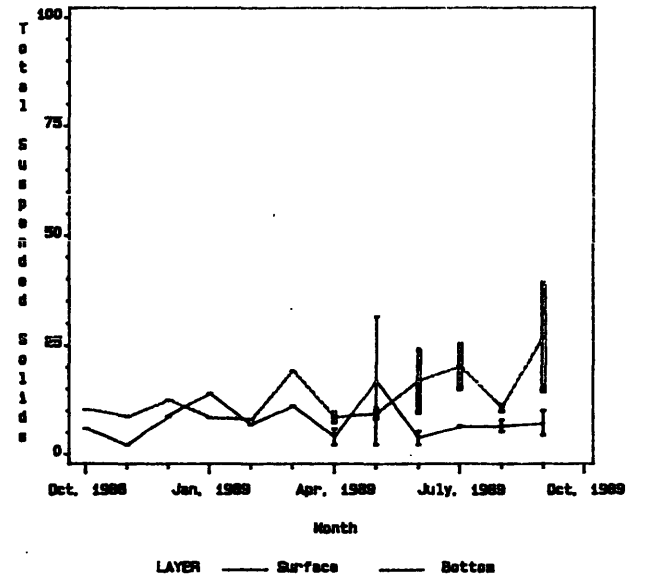
Station Id-C87.2



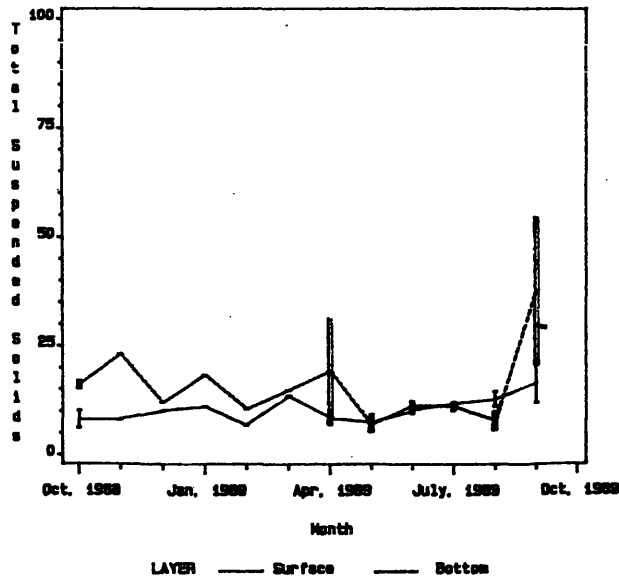
Station Id-C87.2E



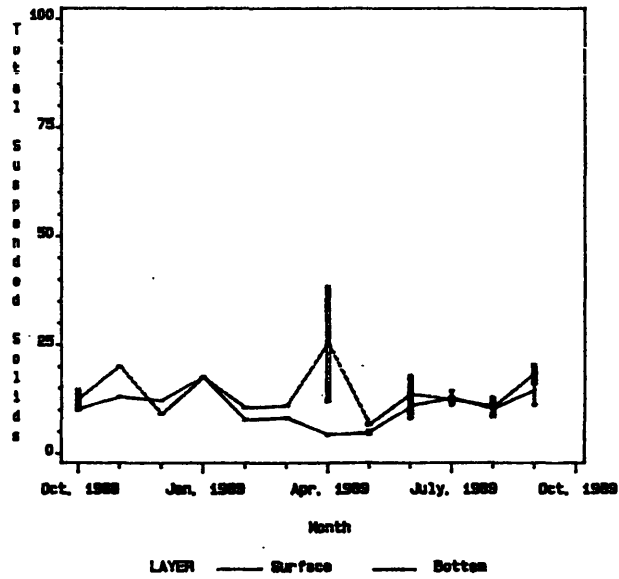
Station Id-C87.3E



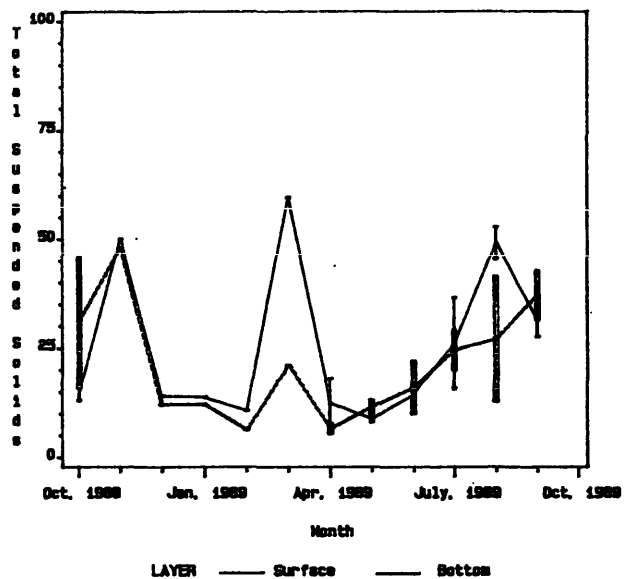
Station Id-L23.5



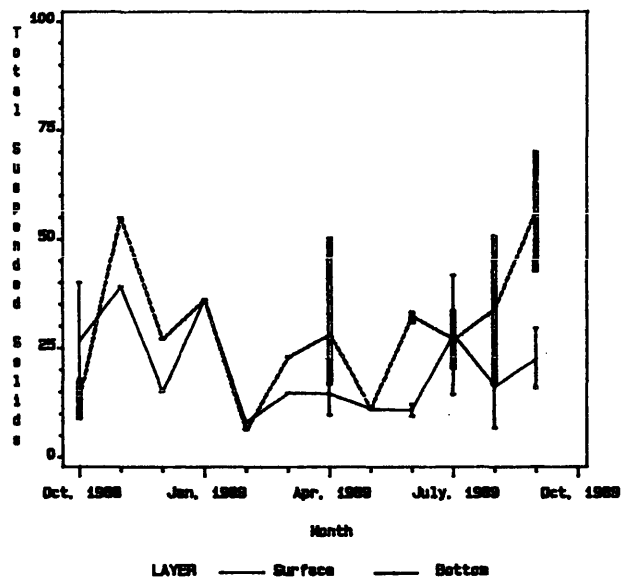
Station Id-L23.7



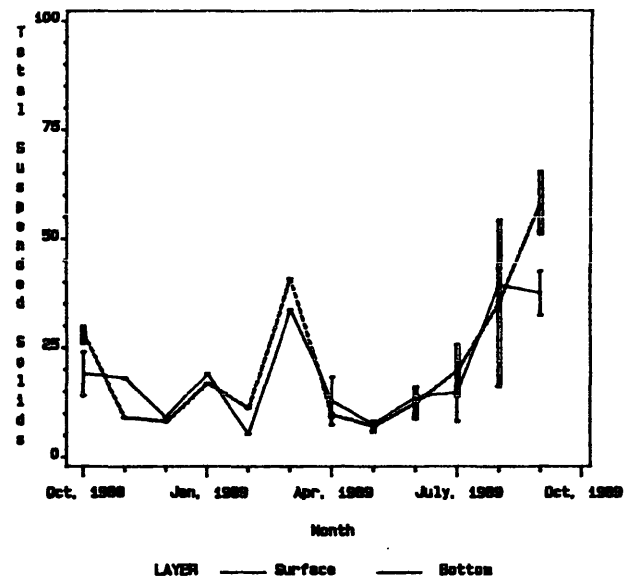
Station Id-ME4.1



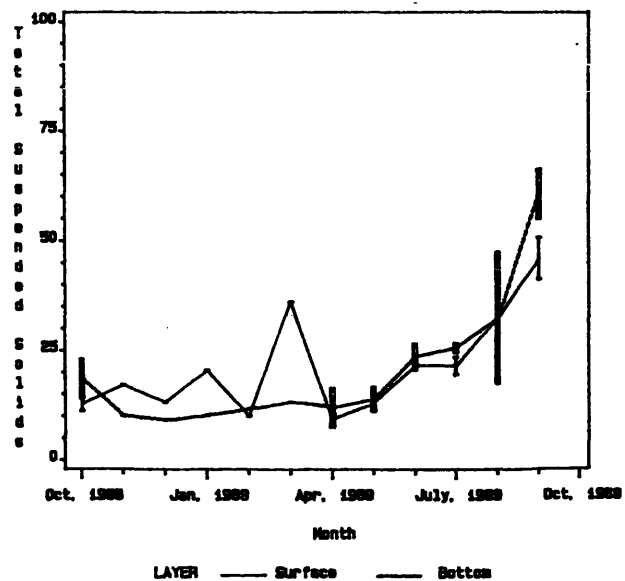
Station Id-ME4.2



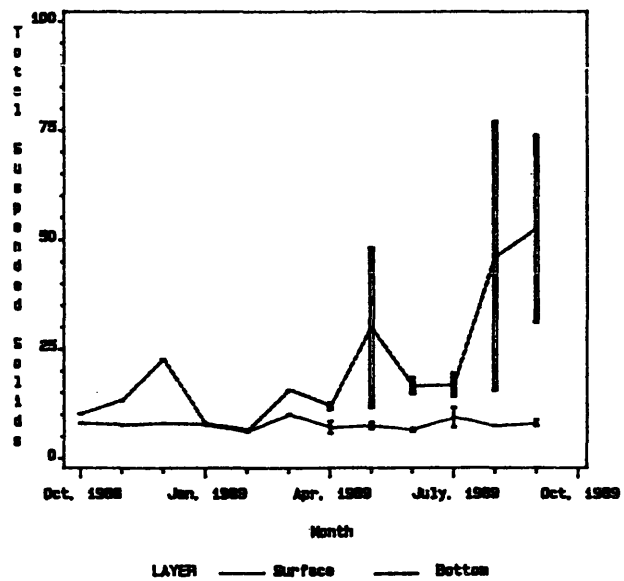
Station Id-ME4.3



Station Id-ME4.4



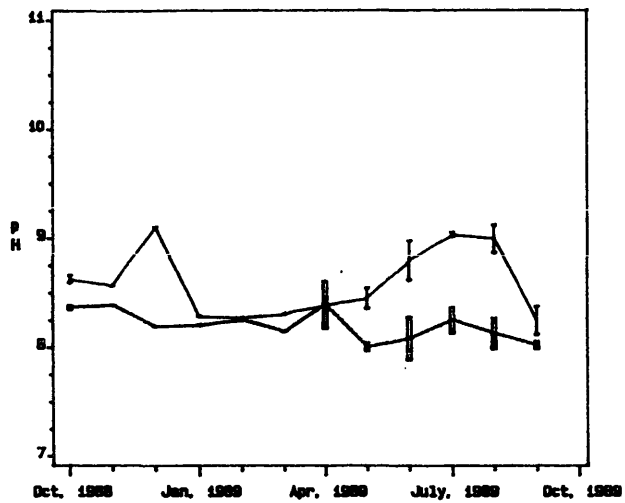
Station Id-LEB.5



pH
October, 1988 - September, 1989

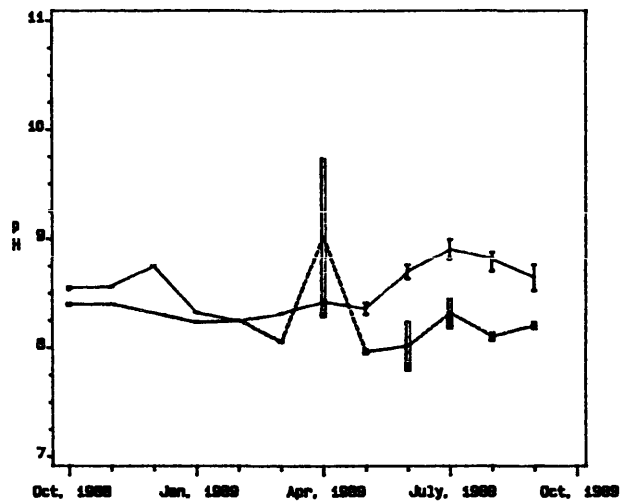
| | pH | | | | | |
|-------------|---------|------|------|--------|------|------|
| | Surface | | | Bottom | | |
| | Max | Mean | Min | Max | Mean | Min |
| CB5.3..... | 9.12 | 8.61 | 8.11 | 8.61 | 8.19 | 7.88 |
| CB5.4..... | 8.99 | 8.59 | 8.24 | 9.74 | 8.27 | 7.79 |
| CB5.5..... | 9.10 | 8.54 | 7.81 | 9.30 | 8.25 | 7.75 |
| CB6.1..... | 9.24 | 8.57 | 8.20 | 9.04 | 8.30 | 7.81 |
| CB6.2..... | 9.44 | 8.66 | 8.13 | 8.96 | 8.31 | 7.82 |
| CB6.3..... | 9.38 | 8.56 | 8.14 | 9.30 | 8.35 | 7.86 |
| CB6.4..... | 8.58 | 8.21 | 7.89 | 8.15 | 7.88 | 7.60 |
| CB7.3..... | 8.63 | 8.16 | 7.94 | 8.14 | 7.97 | 7.75 |
| CB7.4..... | 8.24 | 8.08 | 7.92 | 8.15 | 7.94 | 7.00 |
| CB7.4N..... | 8.25 | 8.09 | 7.91 | 8.15 | 8.03 | 7.91 |
| CB8.1E..... | 8.64 | 8.09 | 7.66 | 8.13 | 7.95 | 7.76 |
| CB8.1..... | 8.24 | 8.05 | 7.86 | 8.09 | 7.93 | 7.63 |
| EE3.1..... | 9.36 | 8.40 | 7.77 | 8.58 | 8.24 | 7.43 |
| EE3.2..... | 8.57 | 8.31 | 7.75 | 8.68 | 8.23 | 7.53 |
| CB7.1N..... | 8.88 | 8.40 | 7.96 | 8.93 | 8.22 | 7.71 |
| CB7.1..... | 10.58 | 8.56 | 7.83 | 8.83 | 8.26 | 7.66 |
| CB7.1S..... | 9.24 | 8.59 | 8.14 | 9.07 | 8.32 | 8.00 |
| CB5.4W..... | 9.01 | 8.57 | 8.24 | 9.23 | 8.47 | 7.32 |
| CB7.2..... | 8.90 | 8.58 | 8.12 | 8.96 | 8.30 | 7.94 |
| CB7.2E..... | 9.60 | 8.54 | 8.18 | 9.27 | 8.35 | 8.00 |
| CB7.3E..... | 8.48 | 8.12 | 7.95 | 8.15 | 7.97 | 7.76 |
| LE3.6..... | 10.03 | 8.70 | 8.33 | 9.98 | 8.57 | 8.15 |
| LE3.7..... | 9.25 | 8.56 | 8.31 | 9.02 | 8.43 | 8.05 |
| WE4.1..... | 9.29 | 8.42 | 8.12 | 9.42 | 8.36 | 7.87 |
| WE4.2..... | 9.26 | 8.54 | 8.04 | 9.42 | 8.27 | 7.60 |
| WE4.3..... | 8.67 | 8.35 | 8.07 | 8.57 | 8.27 | 7.87 |
| WE4.4..... | 9.99 | 8.50 | 8.07 | 9.18 | 8.39 | 8.01 |
| LE5.5..... | 8.48 | 8.10 | 7.84 | 8.07 | 7.91 | 7.76 |

Station Id-CBS.3



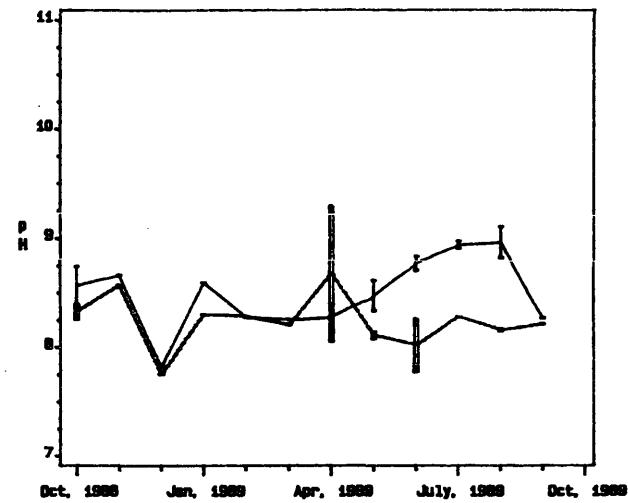
Month
LAYER — Surface — Bottom

Station Id-CBS.4



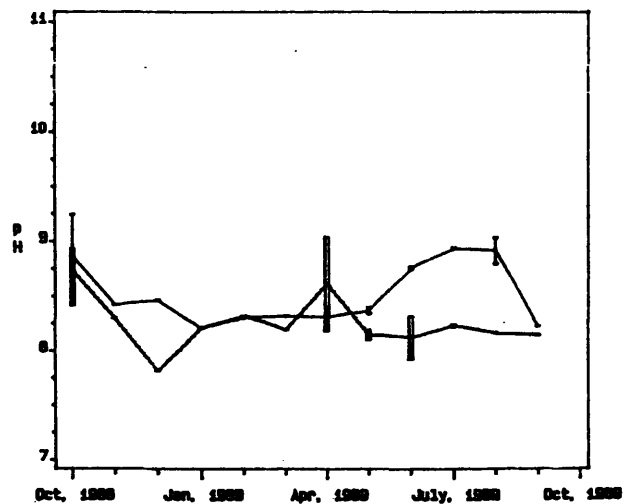
Month
LAYER — Surface — Bottom

Station Id-CBS.5



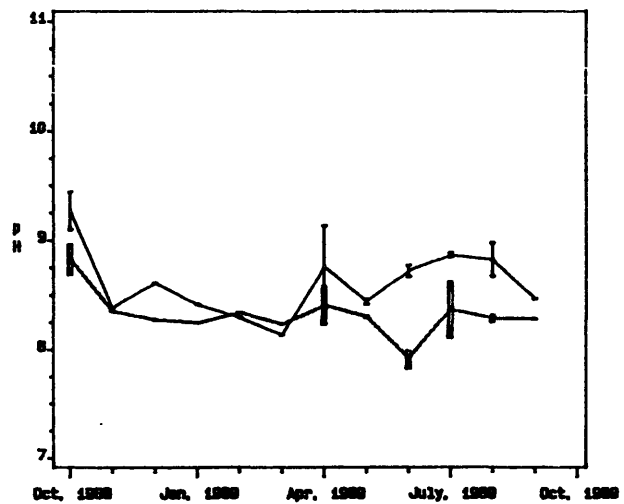
Month
LAYER — Surface — Bottom

Station Id-CBS.1



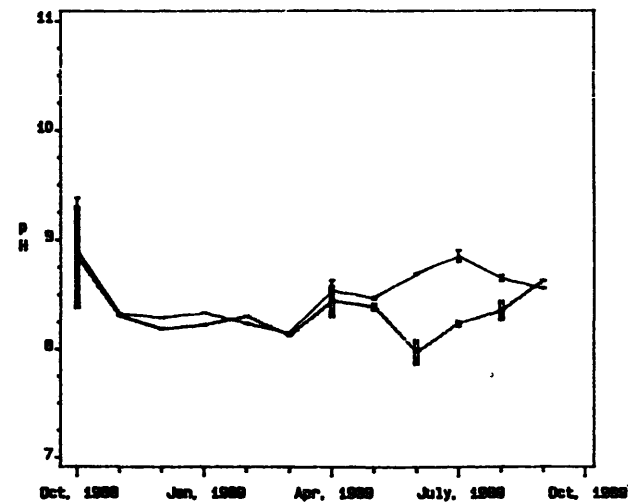
Month
LAYER — Surface — Bottom

Station Id-CBS.2



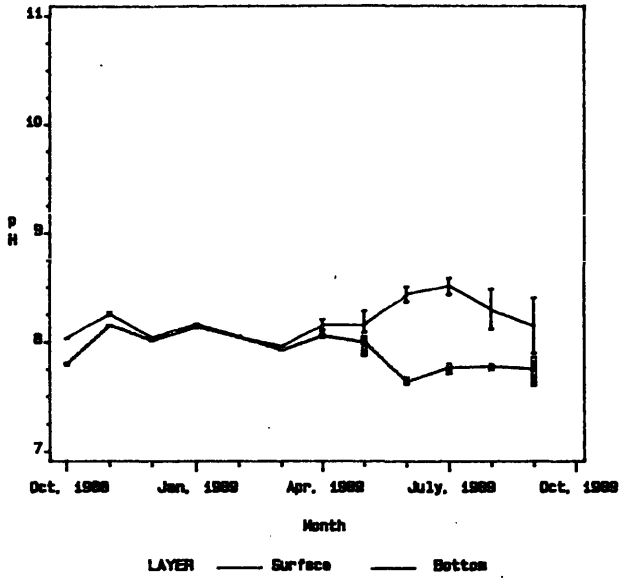
Month
LAYER — Surface — Bottom

Station Id-CBS.3

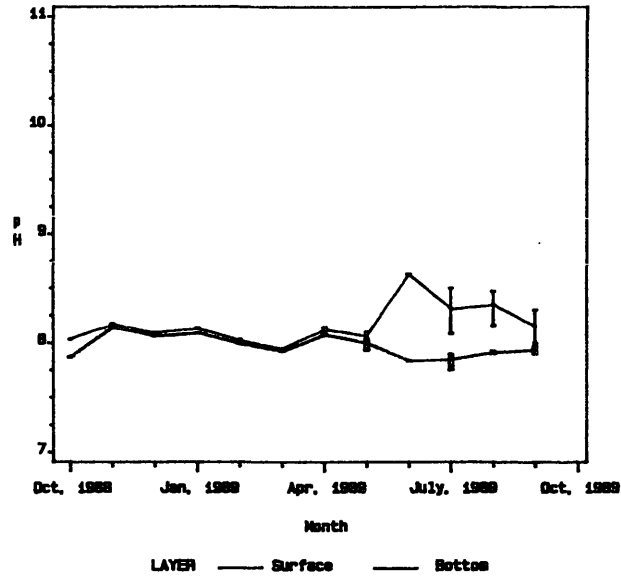


Month
LAYER — Surface — Bottom

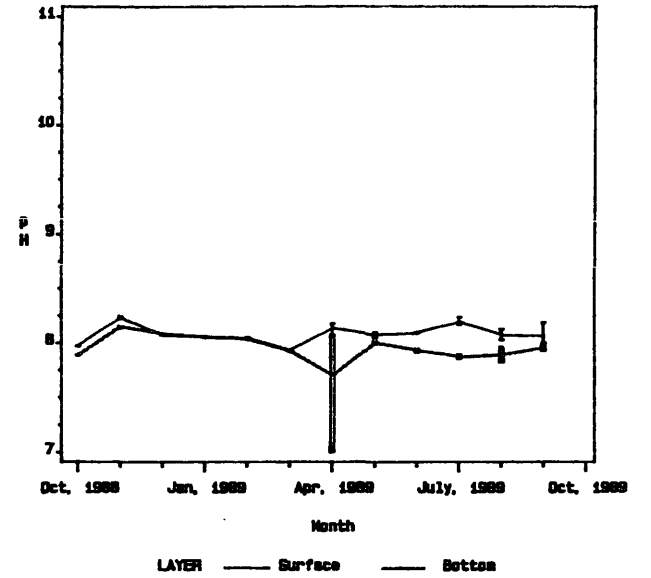
Station Id-CB6.4



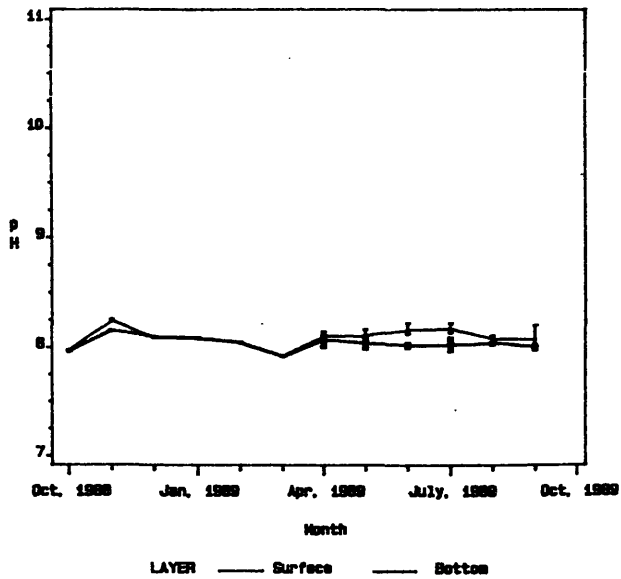
Station Id-CB7.3



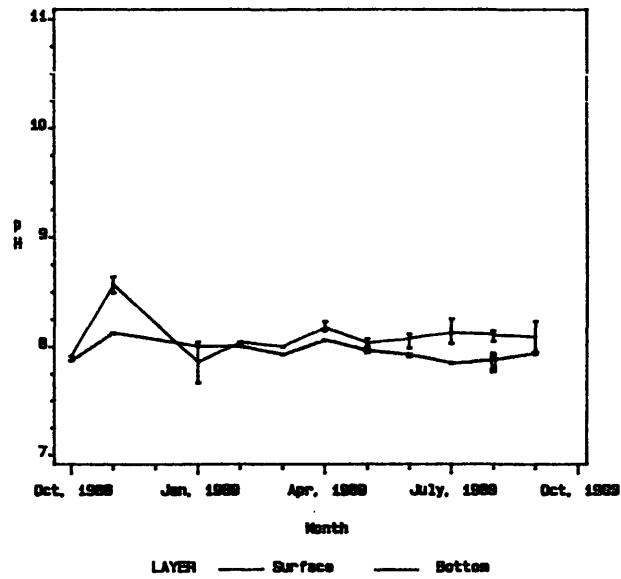
Station Id-CB7.4



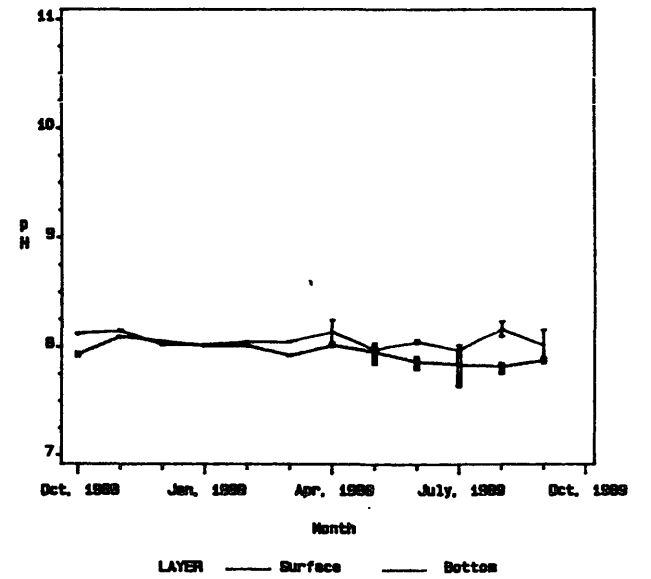
Station Id-CB7.4N



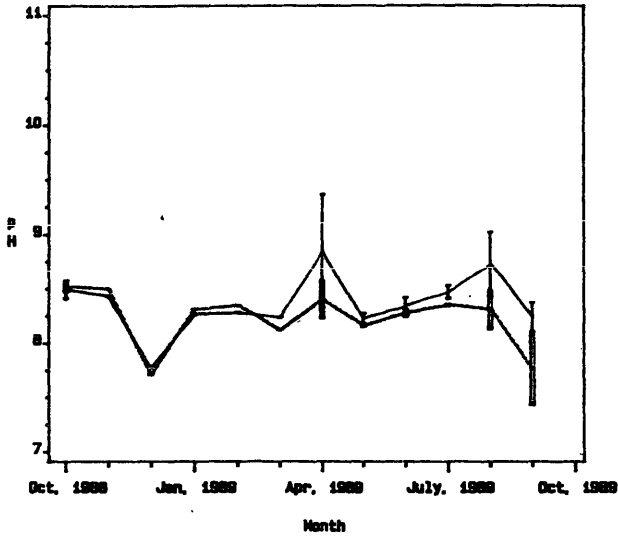
Station Id-CB8.1E



Station Id-CB8.1

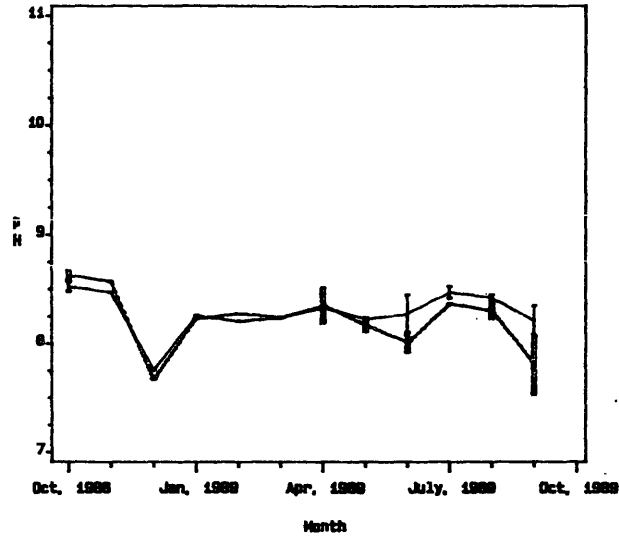


Station Id-CE3.1



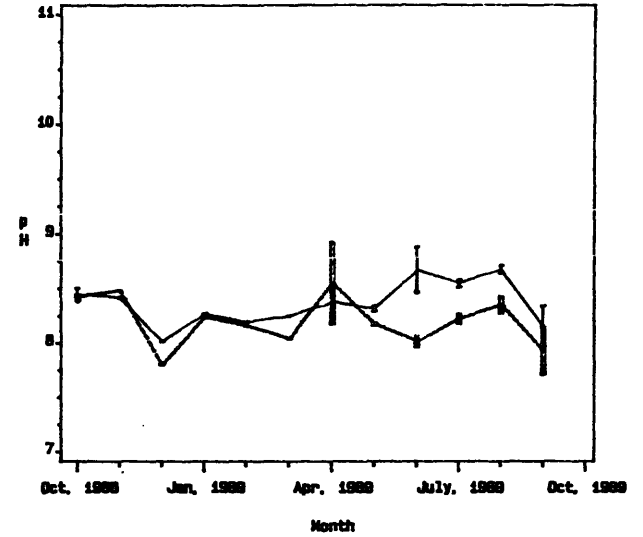
LAYER — Surface — Bottom

Station Id-CE3.2



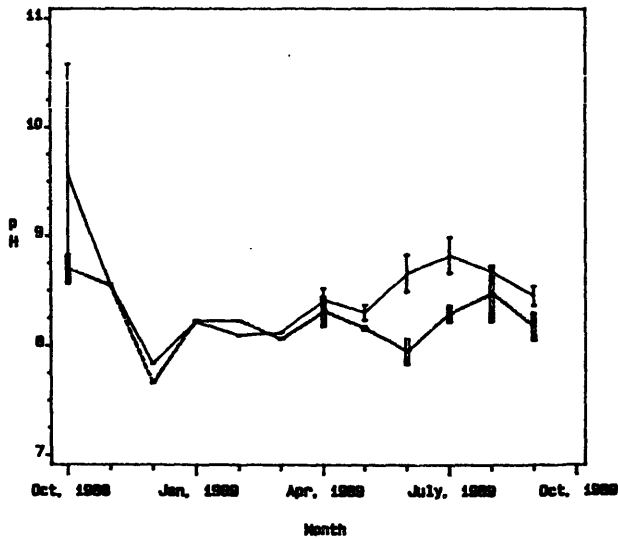
LAYER — Surface — Bottom

Station Id-CB7.1N



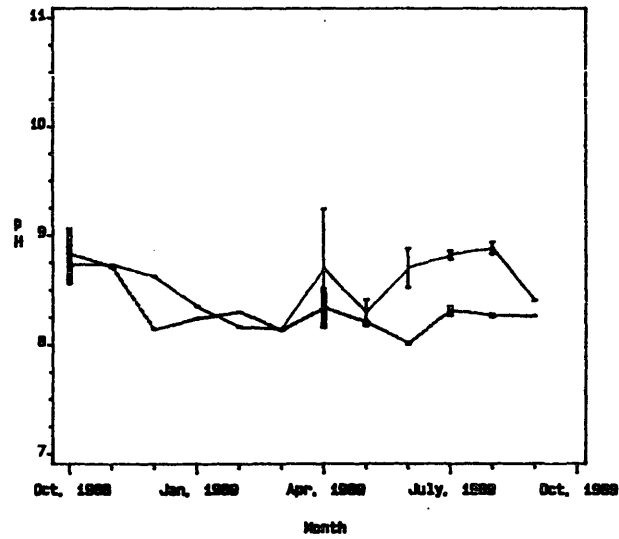
LAYER — Surface — Bottom

Station Id-CB7.1



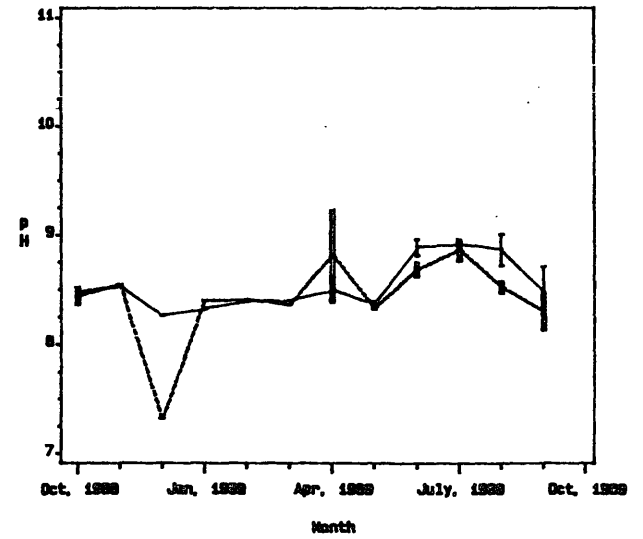
LAYER — Surface — Bottom

Station Id-CB7.1S



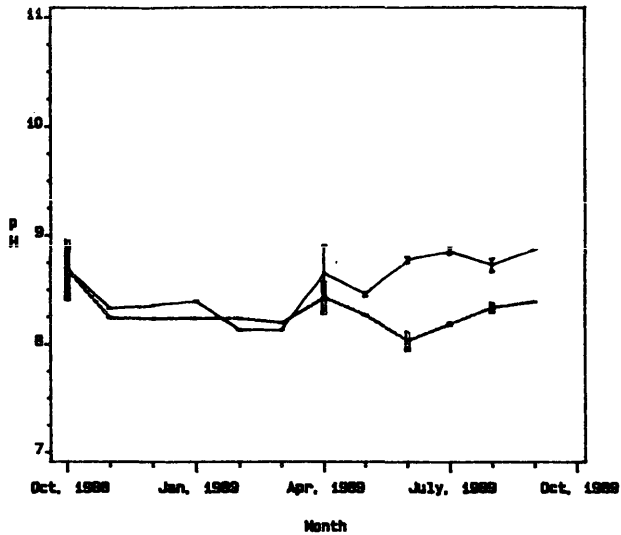
LAYER — Surface — Bottom

Station Id-CB5.4N



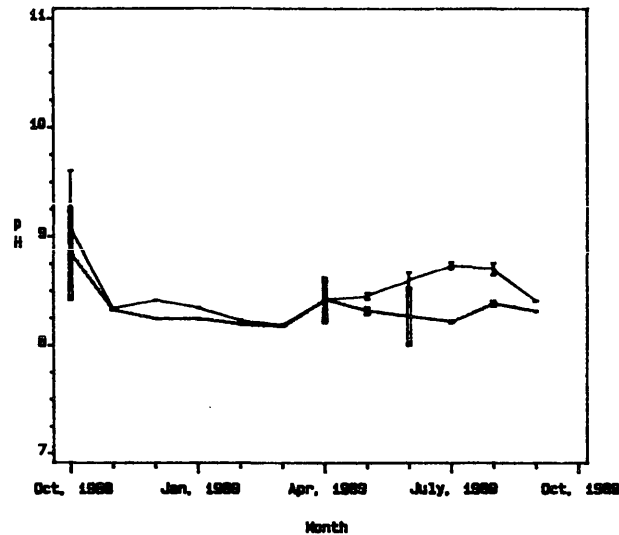
LAYER — Surface — Bottom

Station Id-CE7.2



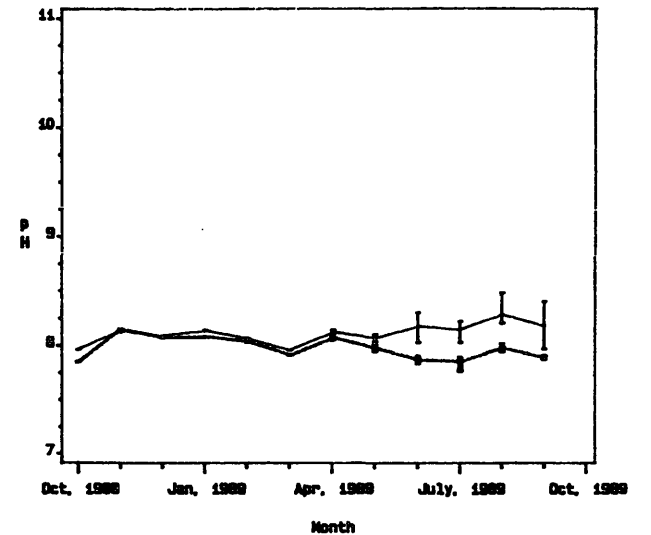
LAYER — Surface — Bottom

Station Id-CE7.2E



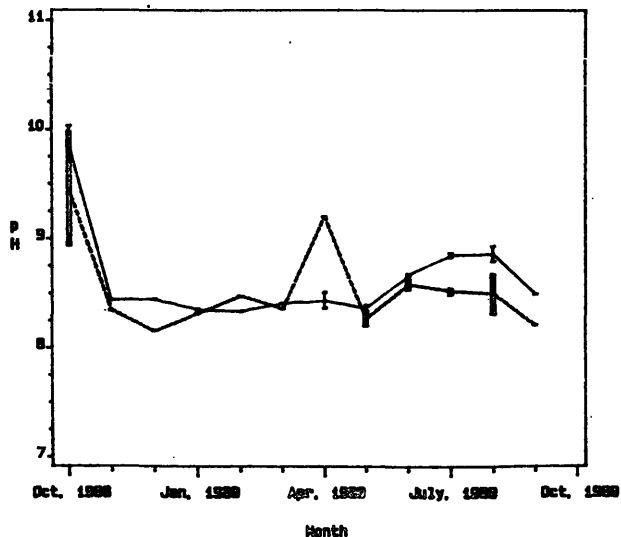
LAYER — Surface — Bottom

Station Id-CE7.2E



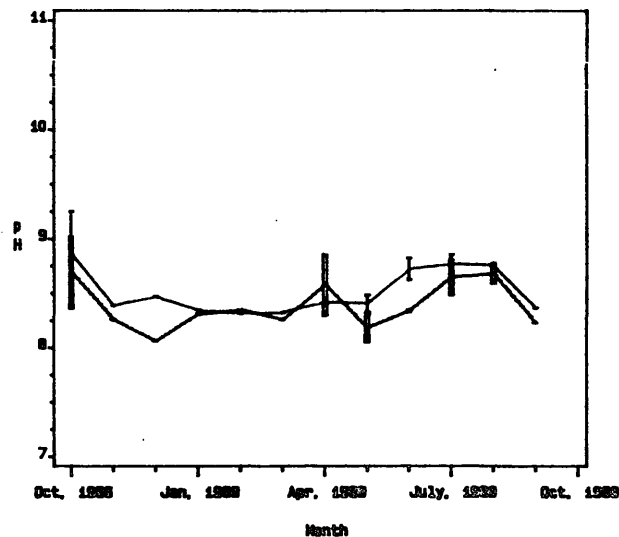
LAYER — Surface — Bottom

Station Id-LE3.6



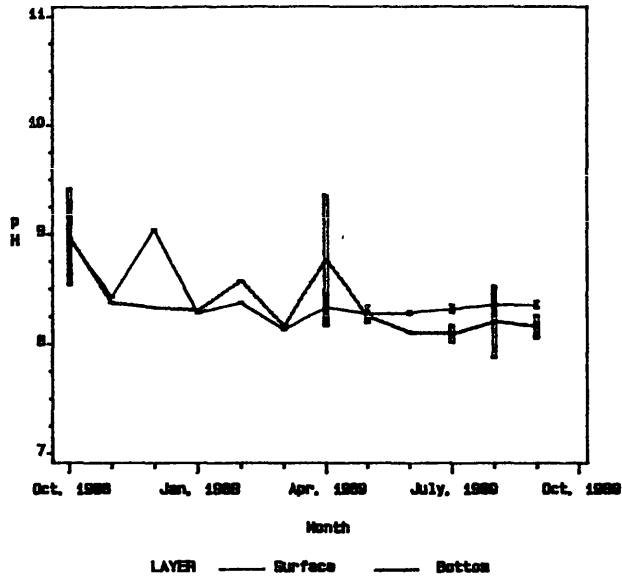
LAYER — Surface — Bottom

Station Id-LE3.7

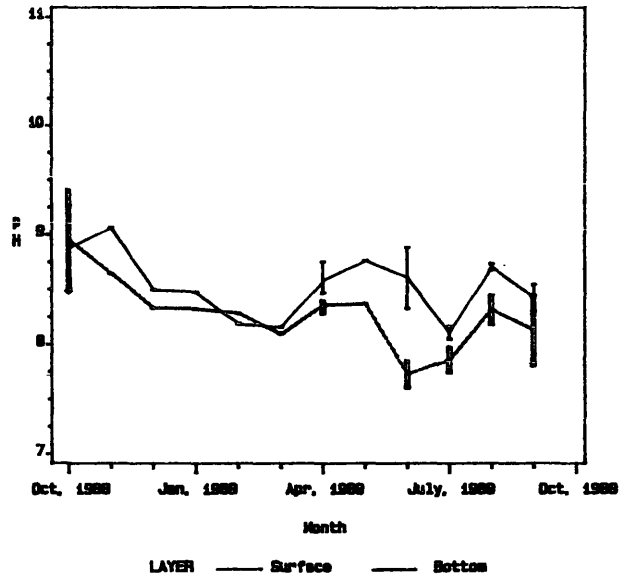


LAYER — Surface — Bottom

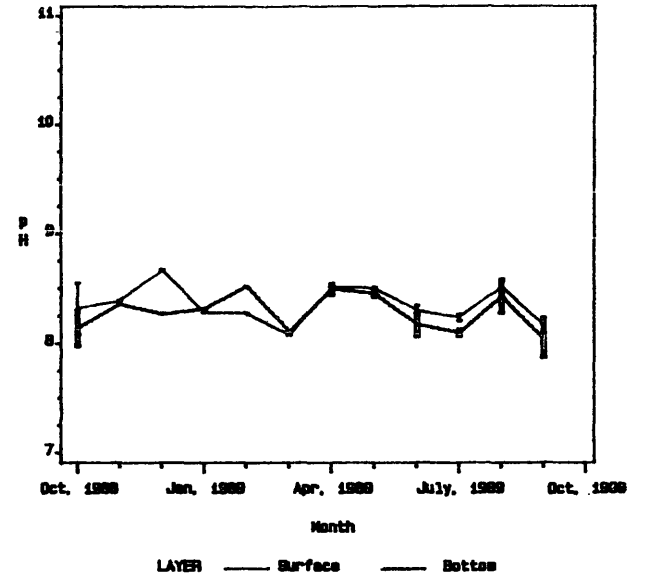
Station Id=ME4.1



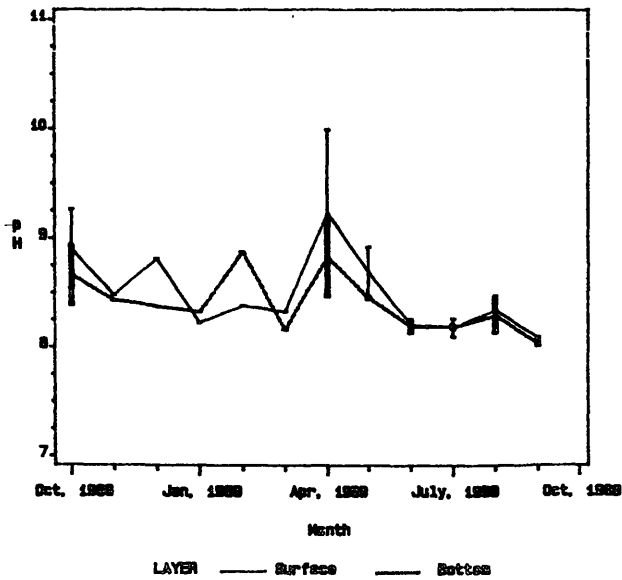
Station Id=ME4.2



Station Id=ME4.3



Station Id=ME4.4



Station Id=LEB.5

