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Water quality in Chesapeake Bay : Virginia portion, water year 1991 : a report to the Virginia Water Control Board

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WATER QUALITY IN CHESAPEAKE BAY
VIRGINIA PORTION
Water Year 1991



By
Kevin Curling
and
Bruce Nelson

A Report To
The Virginia Water Control Board

Data Report No. 49

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

June 1993

0 10 20 30 40
NAUTICAL MILES

77° 00' 76° 00' 75° 00'
39° 00' 38° 00' 37° 00'

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SEP 10 1993

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Ammonia	97
Nitrate + Nitrite	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) detection of trends in water quality,
- (3) creation of 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 1991 water year, October 1990 through September 1991. Most information is provided in graphical format and only data for the Virginia portion of Chesapeake Bay is included. No interpretation is included, since data analysis is the stated purpose of several other reports.

This report and companion data reports provide to both scientists and managers ready access to a portion of the data. It is possible, for example, to quickly examine seasonal patterns, compare conditions at two stations, or see if surface and bottom conditions differ 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-seven 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, Piankatank, 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 are shown in Figure 1.

This report covers the 1991 water year (October 1990 through September 1991). Sampling occurred twice per month during the warmer part of the year (May - September) and once per month during colder months (October - March) (see Table 2). All of the institutions attempt to complete the sampling at all bay and tributary stations within a three day window, typically Monday through Wednesday of the chosen week. These sampling periods are determined in advance with scheduling dictated in large part by the 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 - CB5.4, 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 1. Location of Chesapeake Bay Water Quality Monitoring Stations

<u>Station</u>	<u>Latitude</u>		<u>Longitude</u>		<u>Depth</u> (M)
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

** These stations are referred to as EE3.4 and EE3.5 in Chesapeake Bay Program (CBP) reports.

Sampled by ODU

<u>Station</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Depth</u> (M)
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

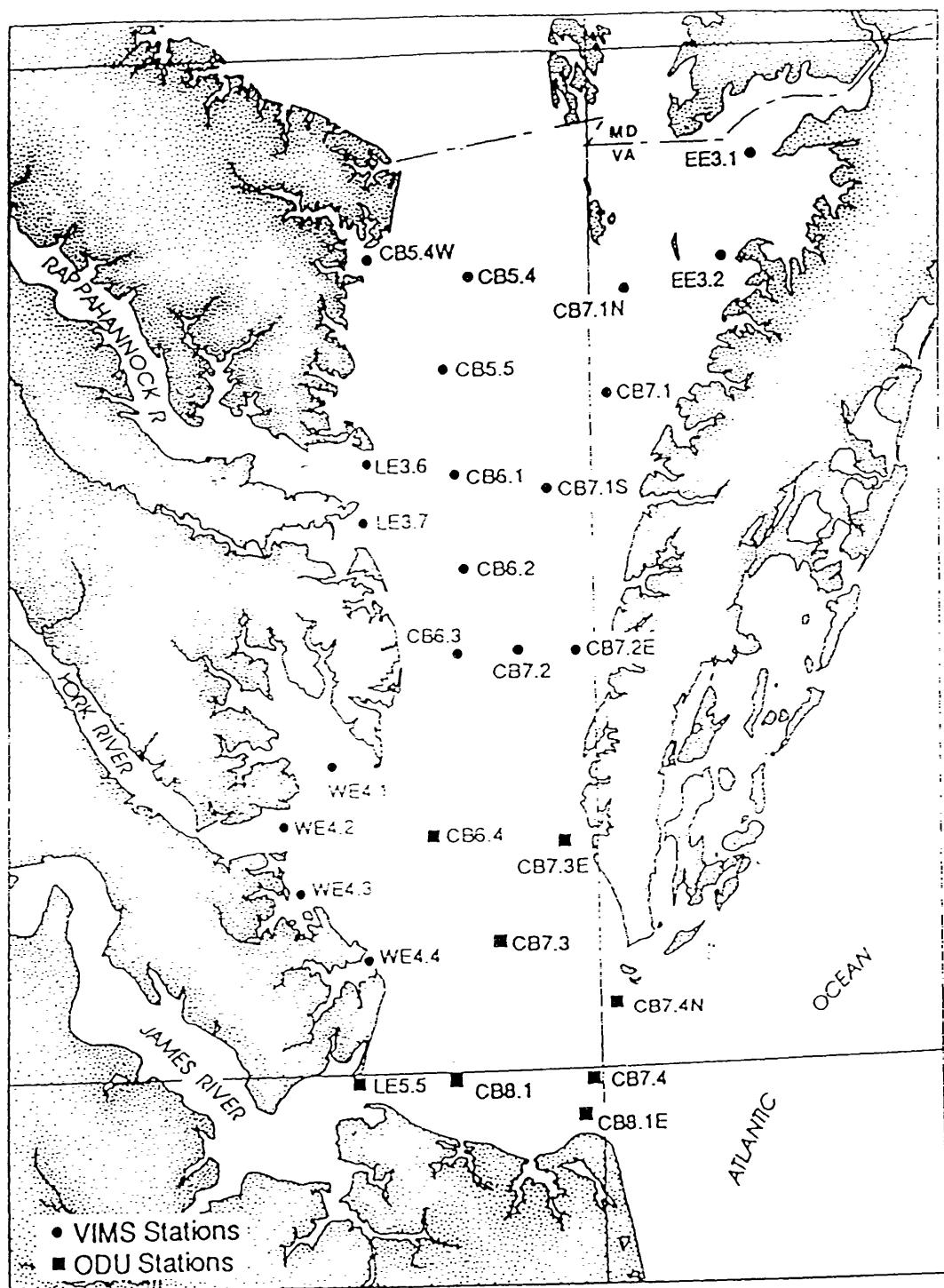


Table 2. Date when each station was sampled during each month of the 1991 water year.

	Oct. 90	Nov. 90	Dec. 90	Jan. 91	Feb. 91	March 91
CB5.4	15	15	10	15	11	12
CB5.5	15	14	10	16	11	13
CB6.1	15	14	10	15	11	12
CB6.2	15	13	10	15	11	12
CB6.3	16	15	11	15	12	12
CB6.4	15	16	11	14	13	13
CB7.3	15	16	11	14	13	13
CB7.4	15	16	10	14	13	13
CB7.4N	15	16	10	14	13	13
CB8.1E	15	16	10	14	13	13
CB8.1	15	16	10	14	11	13
EE3.1	16	15	11	15	12	12
EE3.2	16	15	11	15	12	12
CB7.1N	15	15	11	15	11	12
CB7.1	16	15	10	15	11	12
CB7.1S	15	15	10	15	11	12
CB5.4W	15	14	10	15	11	13
CB7.2	16	13	11	15	12	12
CB7.2E	16	15	11	15	12	12
CB7.3E	15	16	11	14	13	13
LE3.6	15	13	10	16	12	13
LE3.7	15	13	10	16	12	13
WE4.1	16	15	10	16	11	13
WE4.2	15	13	10	16	11	12
WE4.3	16	13	11	16	12	12
WE4.4	17	13	11	16	12	12
LE5.5	15	16	10	14	11	13

Table 2 (cont.). Date when each station was sampled during each month of the 1991 water year.

	April 91	May 91	June 91	July 91	Aug. 91	Sep. 91
CB5.4	9, 22	6, 21	5, 17	9, 22	5, 21	4, 17
CB5.5	9, 22	6, 21	5, 17	9, 23	5, 20	4, 16
CB6.1	9, 22	6, 21	5, 17	9, 23	5, 20	4, 16
CB6.2	10, 22	6, 22	3, 18	9, 23	6, 20	4, 17
CB6.3	8, 22	6, 22	6, 18	9, 23	6, 20	4, 17
CB6.4	8, 23	8, 21	6, 18	11, 23	6, 21	4, 16
CB7.3	8, 23	8, 21	6, 18	9, 23	6, 21	4, 16
CB7.4	8, 23	8, 21	4, 18	11, 23	6, 21	4, 16
CB7.4N	8, 23	8, 21	4, 18	11, 23	6, 21	4, 16
CB8.1E	8, 23	8, 21	4, 18	11, 23	6, 21	4, 16
CB8.1	8, 23	7, 21	4, 18	11, 23	6, 21	4, 16
EE3.1	9, 23	7, 20	3, 17	8, 22	6, 21	3, 17
EE3.2	9, 23	7, 20	3, 17	8, 22	5, 21	3, 17
CB7.1N	8, 22	7, 21	3, 17	9, 22	5, 21	3, 17
CB7.1	8, 23	7, 20	3, 18	8, 22	6, 21	3, 17
CB7.1S	8, 23	7, 20	3, 18	8, 22	6, 21	3, 17
CB5.4W	9, 22	6, 21	4, 17	9, 23	5, 20	4, 17
CB7.2	8, 23	8, 20	3, 18	8, 22	6, 21	3, 16
CB7.2E	8, 23	8, 20	3, 18	8, 22	6, 21	3, 16
CB7.3E	8, 23	8, 21	6, 18	11, 23	6, 21	4, 16
LE3.6	9, 22	7, 21	5, 17	9, 23	5, 20	4, 16
LE3.7	9, 22	8, 21	5, 17	9, 23	5, 20	4, 16
WE4.1	10, 22	8, 20	3, 18	8, 22	5, 20	3, 16
WE4.2	8, 22	6, 20	3, 18	8, 22	5, 20	3, 16
WE4.3	8, 23	6, 22	6, 18	9, 23	6, 22	5, 18
WE4.4	8, 23	6, 22	6, 18	9, 23	6, 22	5, 18
LE5.5	8, 23	8, 21	6, 18	9, 23	6, 21	4, 16

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	
Ortho-phosphate	
Silica	
Dissolved silica	
Chlorophyll-A	
Total suspended solids	

Table 4. Algorithm to determine pycnocline location and sampling depths

$$\frac{(\text{Cond. at Bottom} - \text{Cond. at Surface})}{(\text{Total Depth} - 0.5)} \times 2 = \text{Threshold value}$$

where cond. = conductivity.

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 presented 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. This difference is noted so 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.

In addition to the water quality parameters measured directly, several other parameters 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, 1979; method D 3731-79).

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- 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,** 1979; D 3731-79: Standard Practices for Measurement of Chlorophyll Content of Algae in Surface Waters. In: 1979 Annual Book of ASTM Standards, Part31, 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.

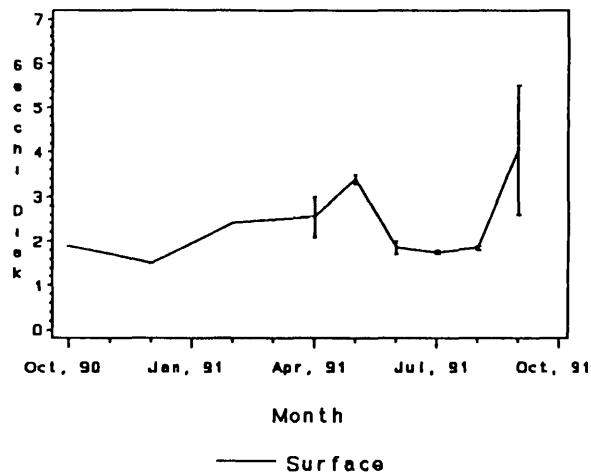
SECCHI DISK

Values reported as meters.

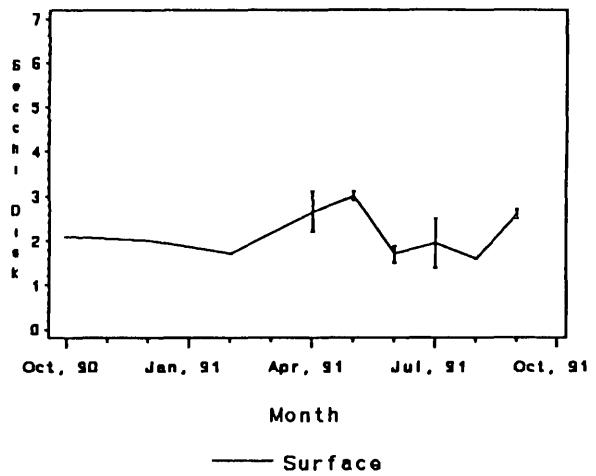
Secchi Disk
October, 1990 - September, 1991

	Secchi Disk (m)		
	Max	Mean	Min
CB5.4.....	5.50	2.40	1.50
CB5.5.....	3.10	2.19	1.40
CB6.1.....	3.20	2.42	1.70
CB6.2.....	4.00	2.01	1.00
CB6.3.....	3.50	1.93	1.10
CB6.4.....	3.60	2.09	1.20
CB7.3.....	4.90	2.47	1.10
CB7.4.....	4.60	2.76	1.40
CB7.4N.....	4.60	2.37	1.10
CB8.1E.....	2.60	1.89	1.10
CB8.1.....	3.60	2.01	1.00
EE3.1.....	1.90	1.08	0.60
EE3.2.....	3.40	1.56	0.90
CB7.1N.....	2.90	1.86	1.30
CB7.1.....	4.00	2.23	1.10
CB7.1S.....	4.00	2.34	1.10
CB5.4W.....	2.50	1.33	0.70
CB7.2.....	3.70	2.42	1.50
CB7.2E.....	3.80	2.32	1.30
CB7.3E.....	6.50	2.57	1.50
LE3.6.....	3.10	1.92	1.10
LE3.7.....	2.20	1.66	1.10
WE4.1.....	2.20	1.47	1.00
WE4.2.....	2.60	1.73	1.00
WE4.3.....	3.70	1.54	0.90
WE4.4.....	2.50	1.24	0.70
LE5.5.....	3.10	1.57	1.00

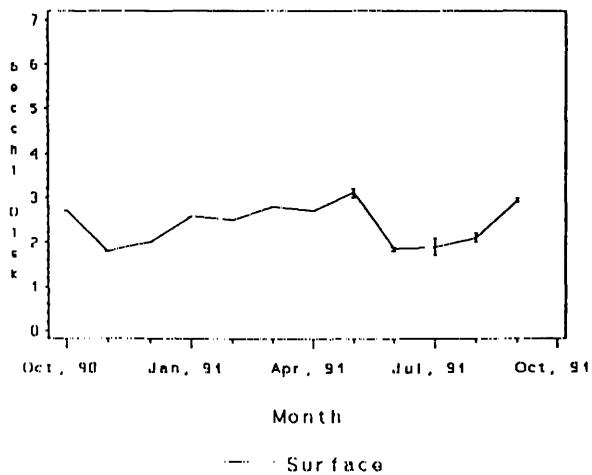
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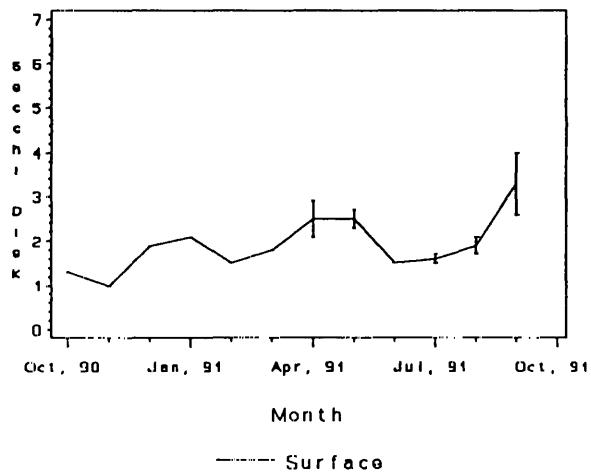
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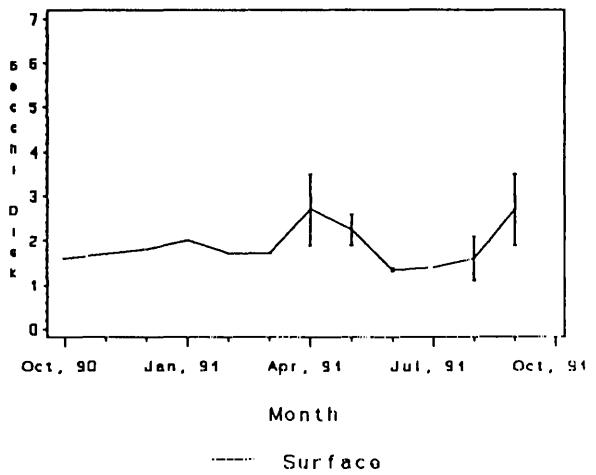
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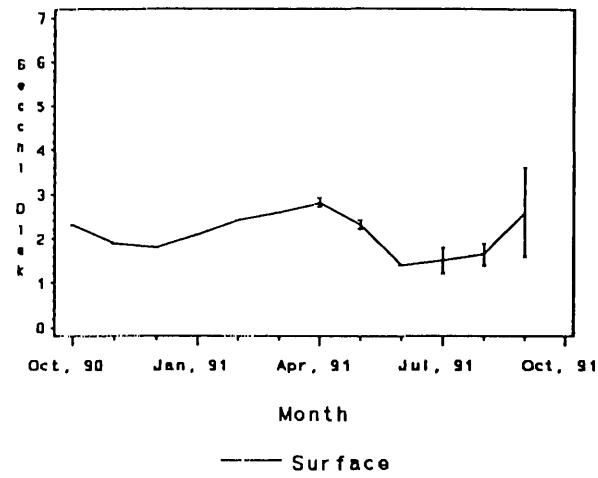
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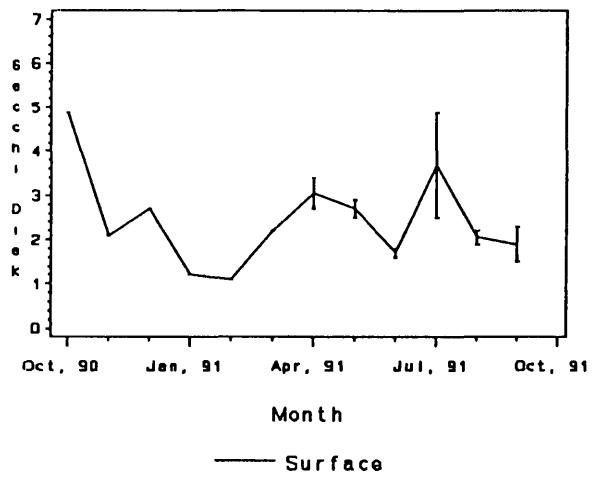
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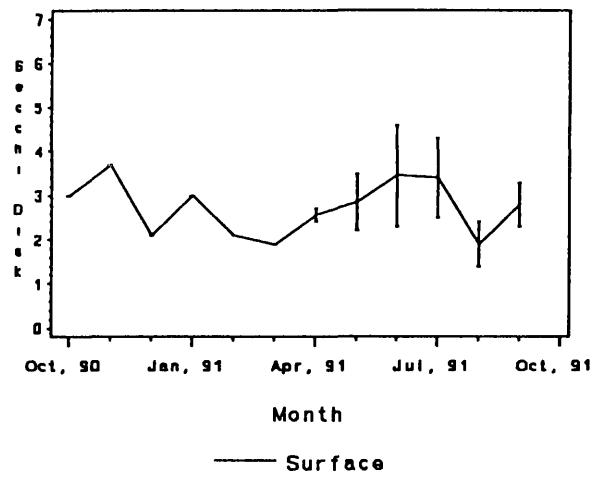
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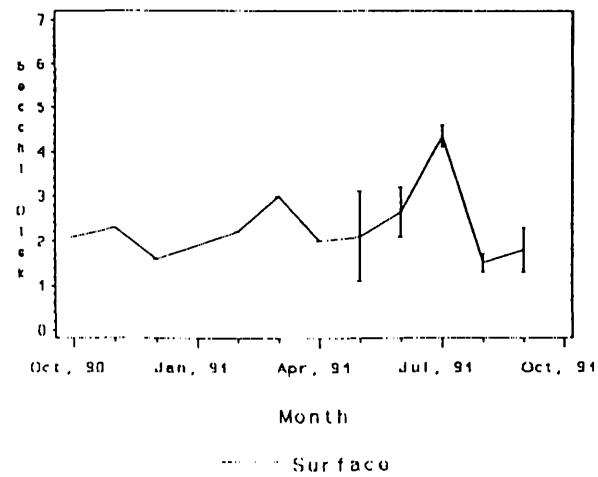
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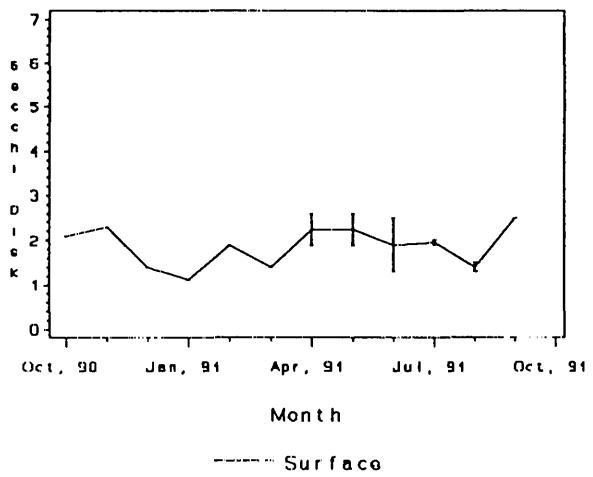
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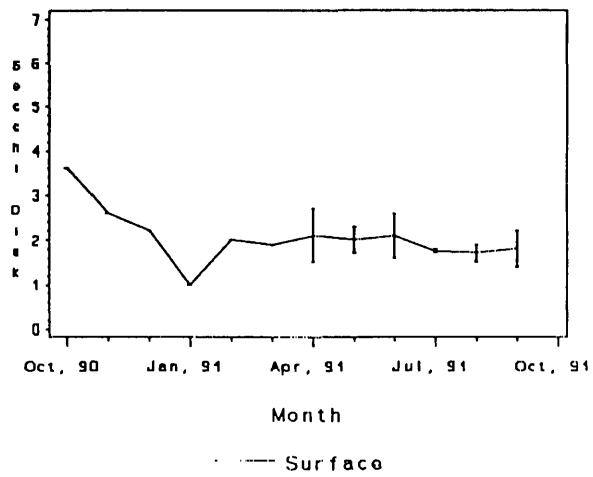
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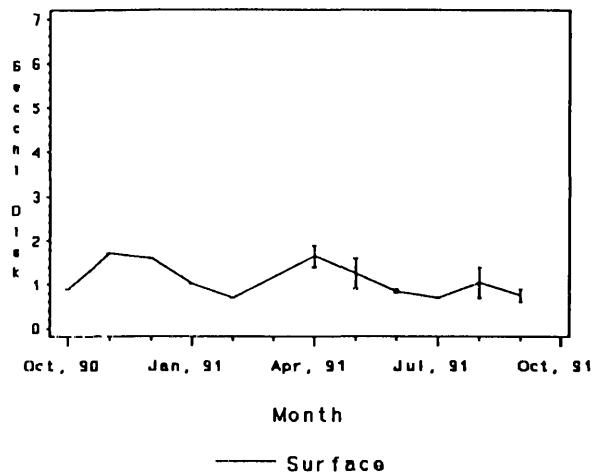
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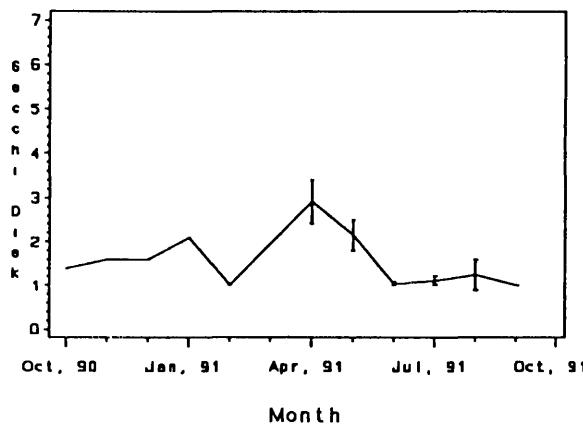
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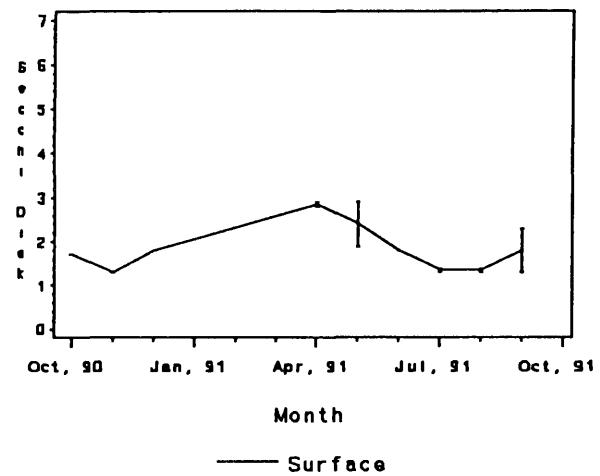
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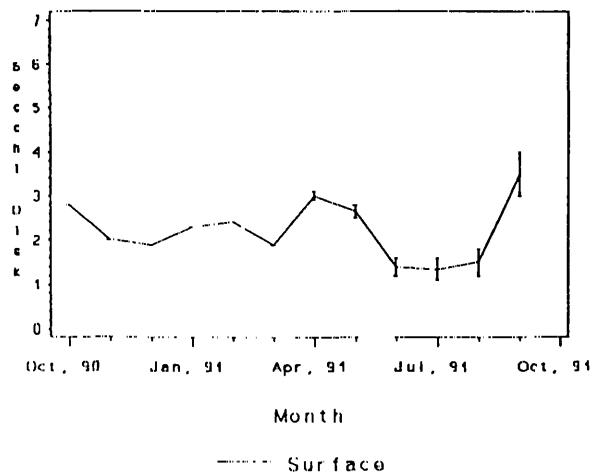
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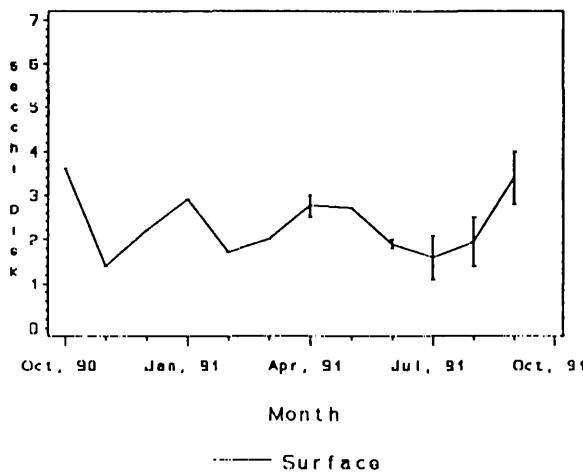
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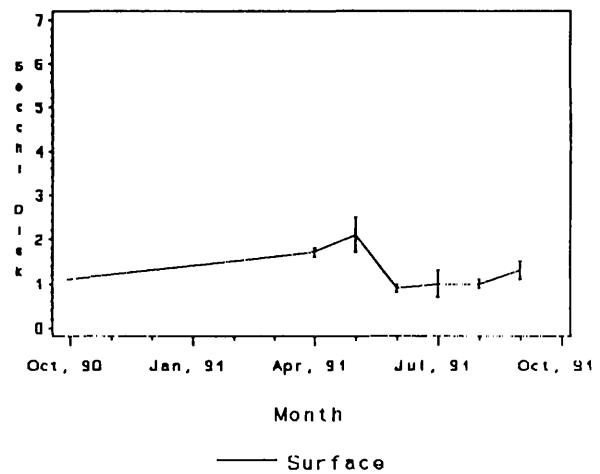
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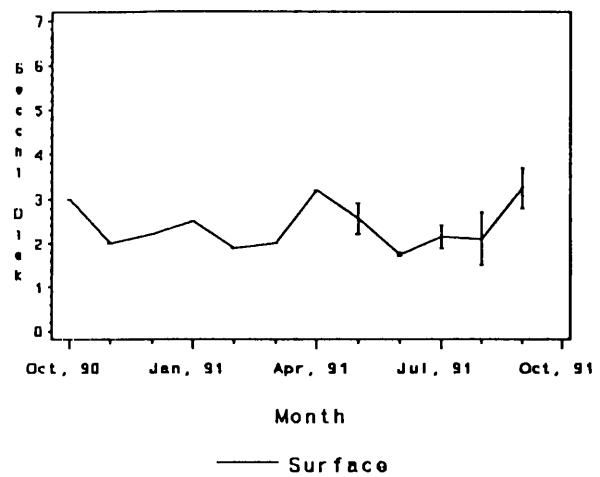
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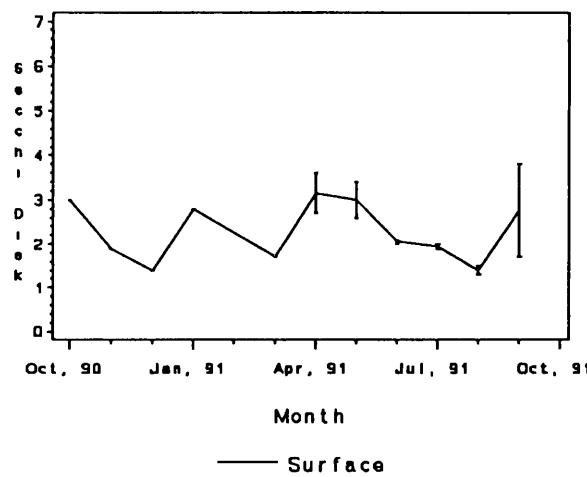
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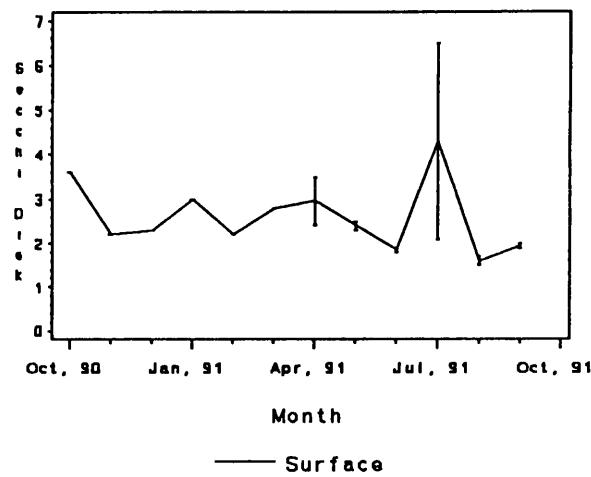
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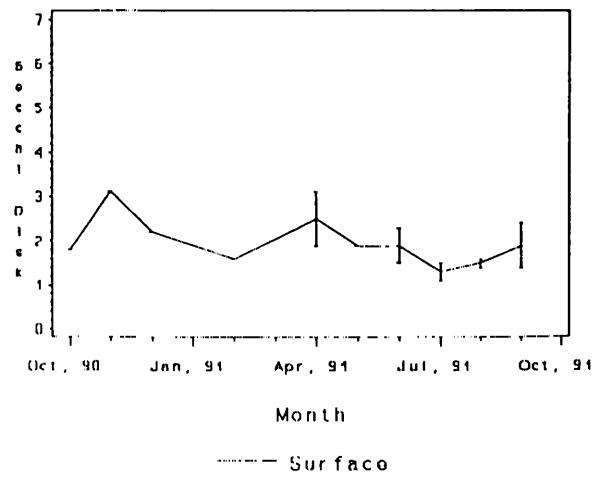
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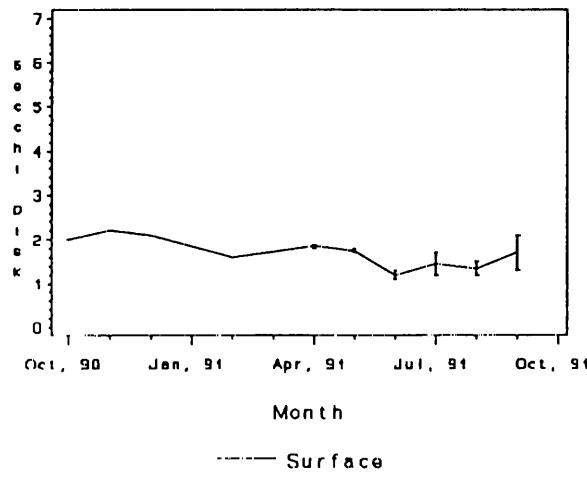
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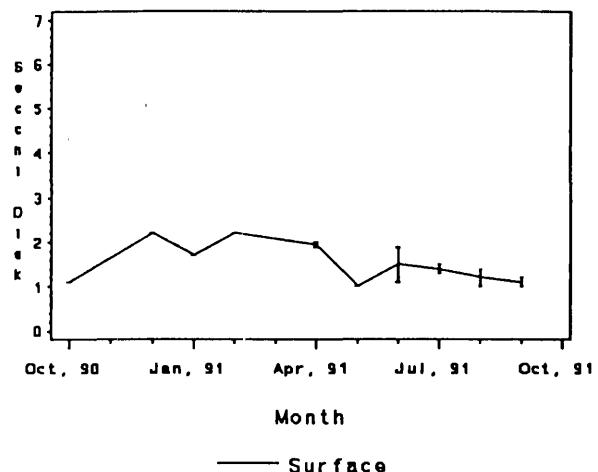
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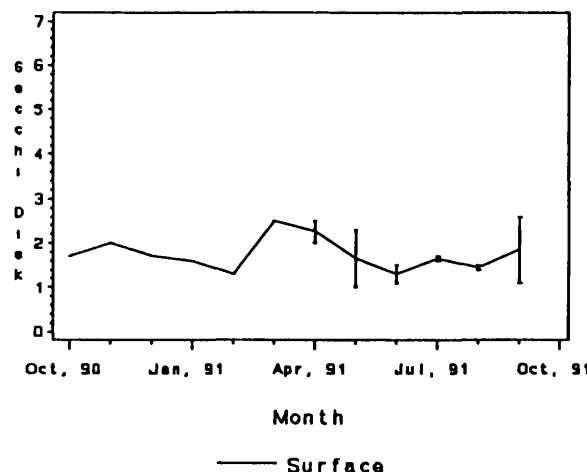
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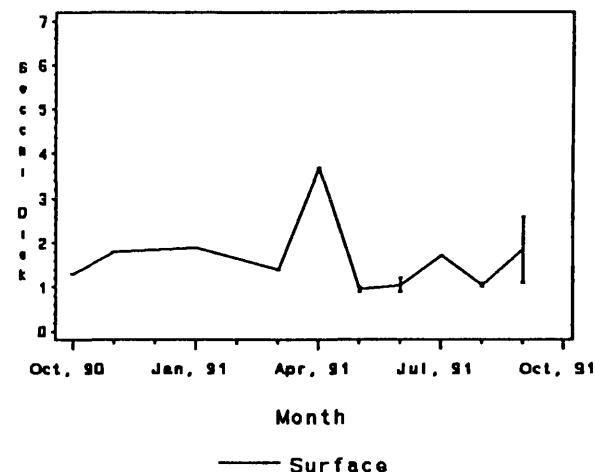
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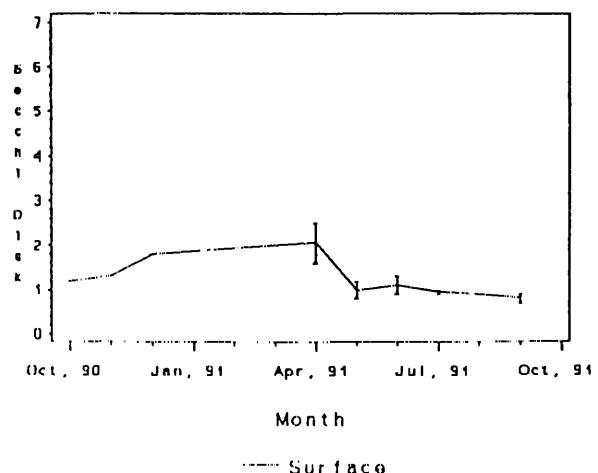
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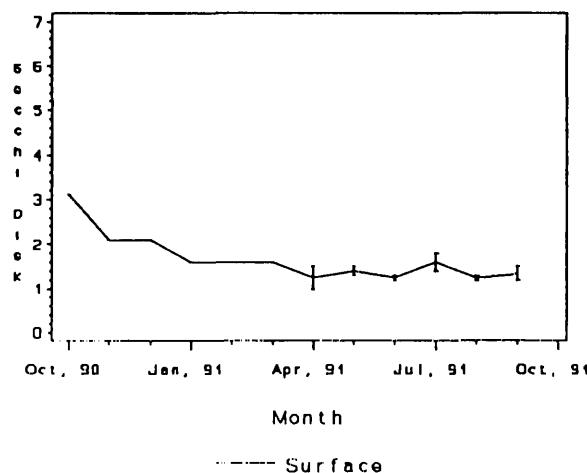
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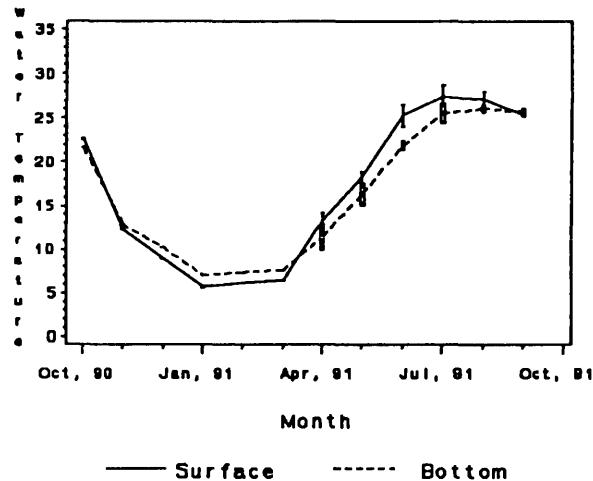
WATER TEMPERATURE

Values reported as degrees Centigrade.

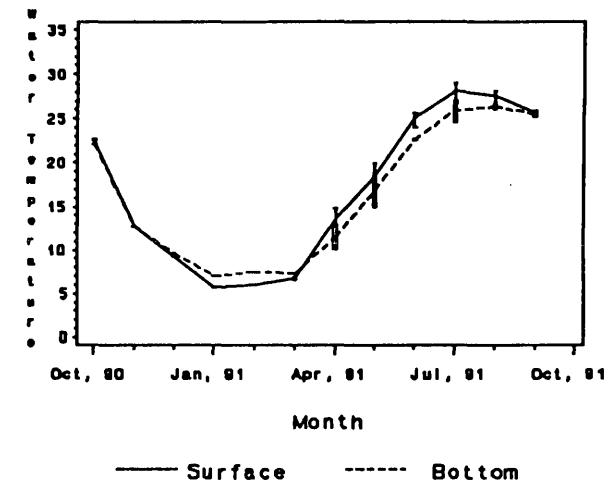
Water Temperature
October, 1990 - September, 1991

	Water Temperature (°C)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	28.76	18.64	5.61	26.65	17.77	7.00
CB5.5.....	29.07	19.74	5.69	27.11	17.98	7.00
CB6.1.....	28.71	19.00	5.85	27.27	17.89	6.53
CB6.2.....	29.53	20.01	5.84	27.39	18.12	6.55
CB6.3.....	29.99	18.83	5.90	27.27	17.90	6.64
CB6.4.....	29.41	18.97	6.16	26.40	17.50	6.73
CB7.3.....	29.47	18.72	6.66	25.53	17.05	6.91
CB7.4.....	25.92	17.47	6.59	24.69	16.59	6.91
CB7.4N.....	26.47	18.18	6.91	26.15	17.64	6.83
CB8.1E.....	26.67	18.52	6.16	24.10	16.84	7.29
CB8.1.....	27.44	18.92	6.41	26.49	17.71	7.30
EE3.1.....	30.12	20.06	5.37	29.34	19.05	5.39
EE3.2.....	30.18	19.52	4.83	28.33	18.20	6.21
CB7.1N.....	30.54	19.47	6.05	27.76	18.05	6.60
CB7.1.....	29.46	19.69	6.18	27.83	18.52	7.35
CB7.1S.....	29.12	19.72	6.02	27.30	17.89	7.11
CB5.4W.....	29.56	20.10	5.74	29.57	18.97	5.83
CB7.2.....	28.53	19.45	5.60	27.24	17.85	7.17
CB7.2E.....	28.36	18.99	5.45	27.83	18.20	6.90
CB7.3E.....	28.00	18.59	6.32	26.79	18.10	6.35
LE3.6.....	29.57	19.85	5.95	27.83	18.58	5.90
LE3.7.....	30.50	19.00	6.16	28.37	18.54	6.12
WE4.1.....	28.84	20.15	6.50	28.11	19.07	6.51
WE4.2.....	28.70	19.45	6.83	27.20	17.89	7.35
WE4.3.....	29.00	19.29	5.86	29.01	19.10	6.16
WE4.4.....	30.60	19.85	5.77	30.42	19.21	5.80
LE5.5.....	28.33	19.12	7.25	24.71	16.74	7.36

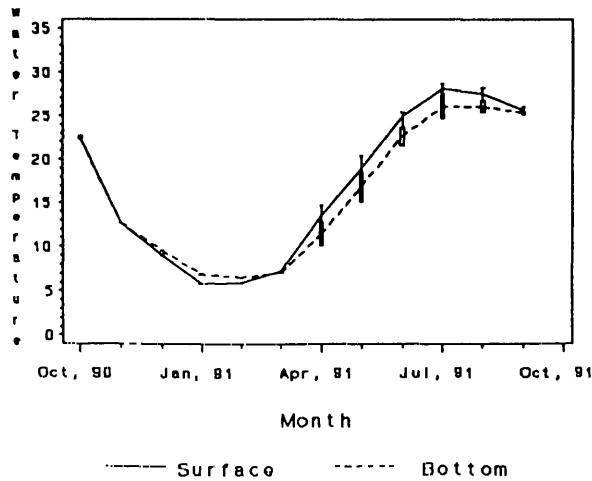
Station Id=CB5.4



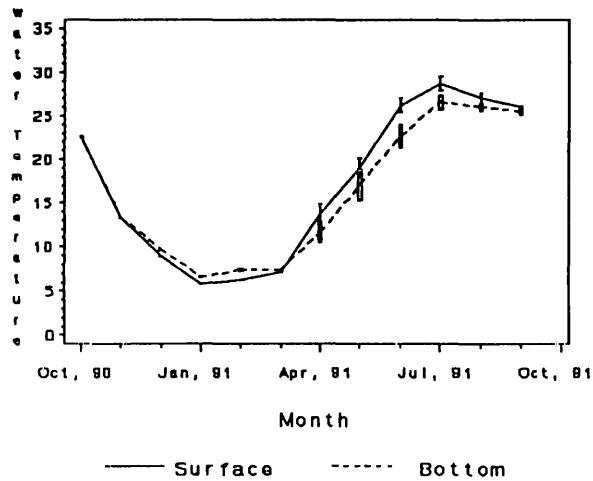
Station Id=CB5.5



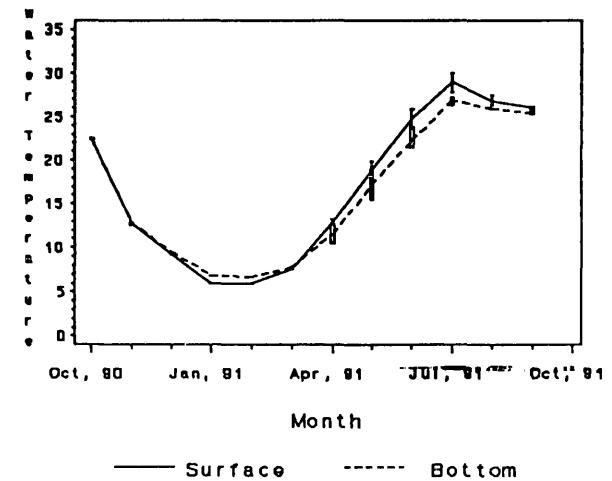
Station Id=CB6.1



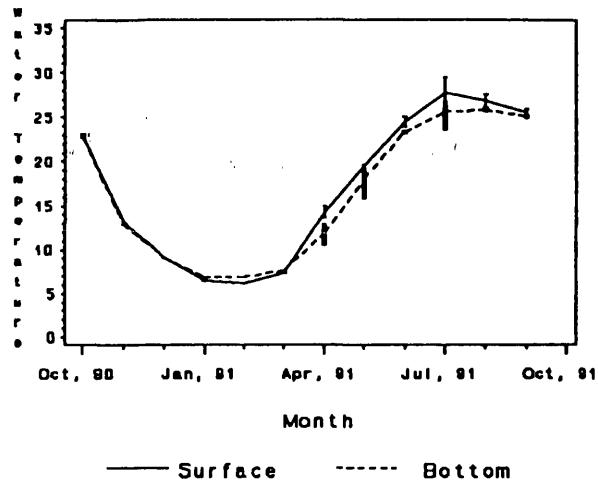
Station Id=CB6.2



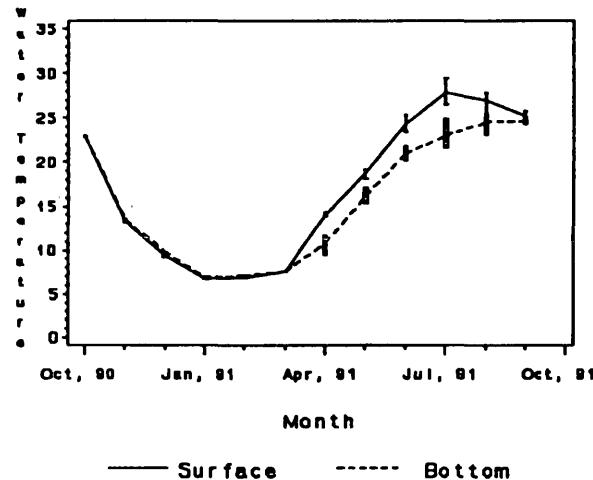
Station Id=CB6.3



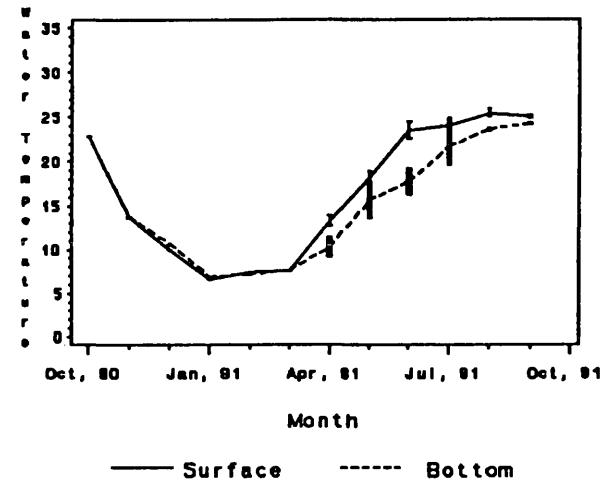
Station Id=CB6.4



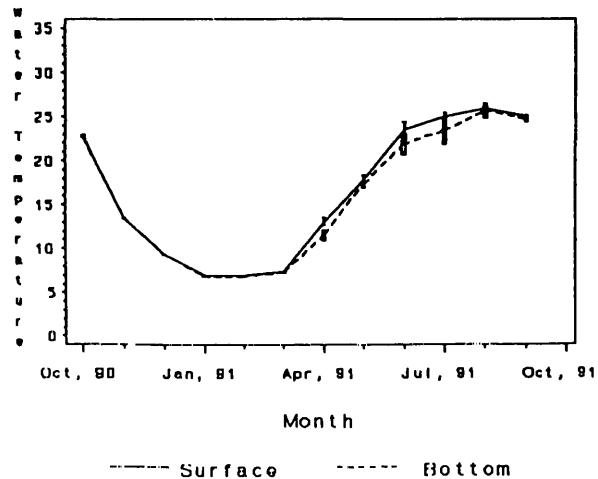
Station Id=CB7.3



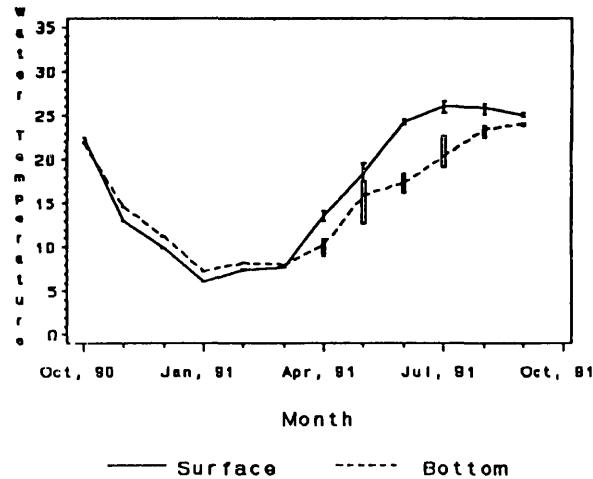
Station Id=CB7.4



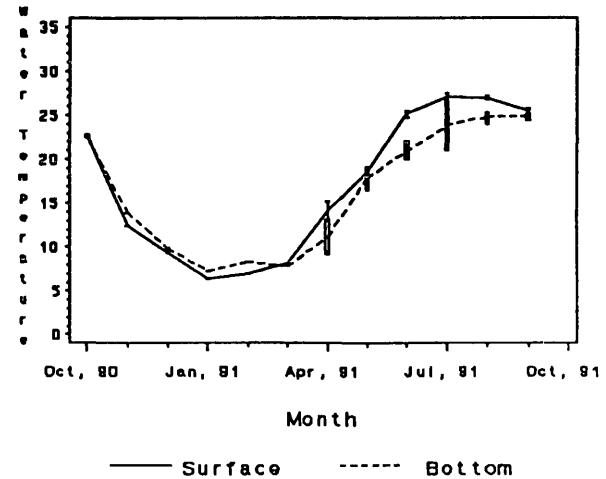
Station Id=CB7.4N



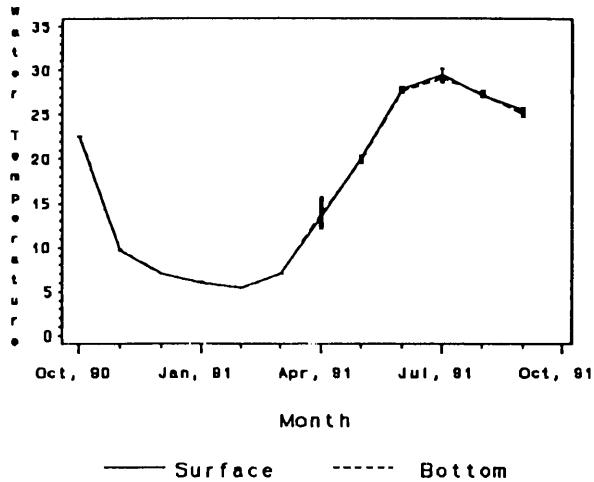
Station Id=CB8.1E



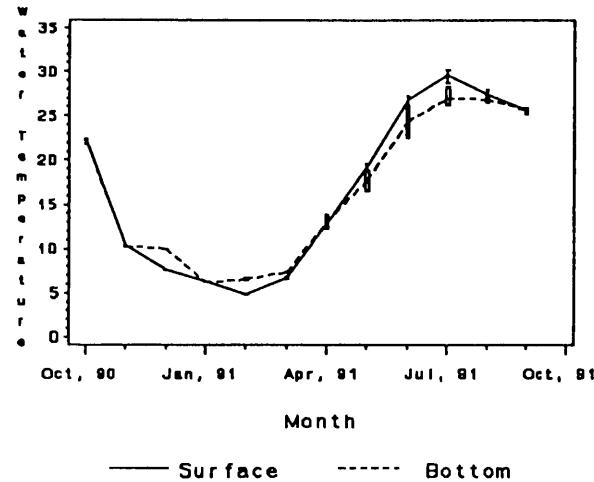
Station Id=CB8.1



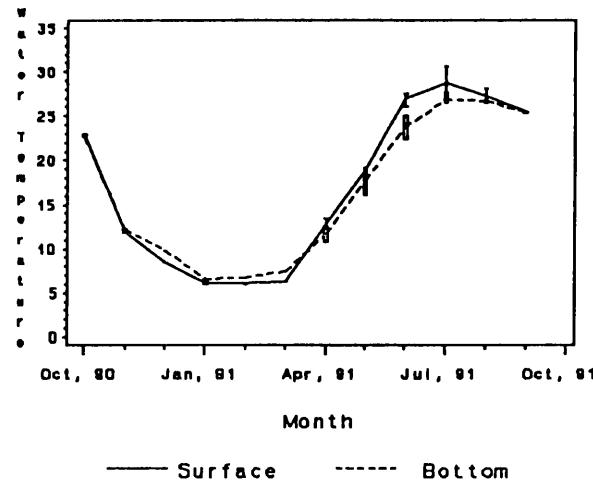
Station Id=EE3.1



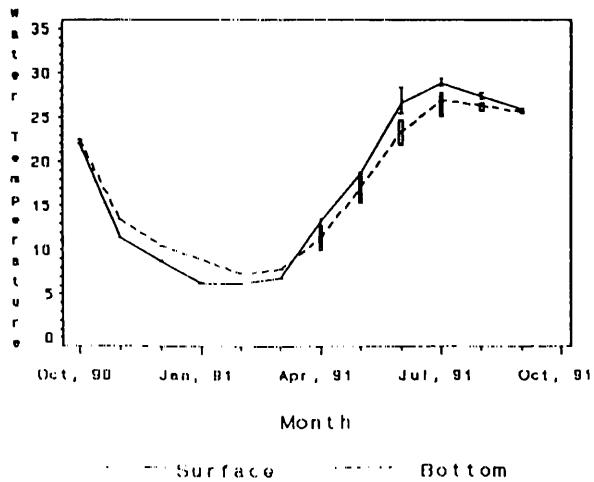
Station Id=EE3.2



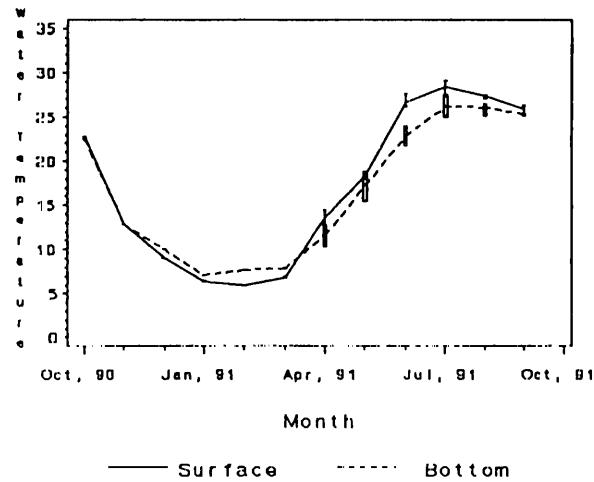
Station Id=CB7.1N



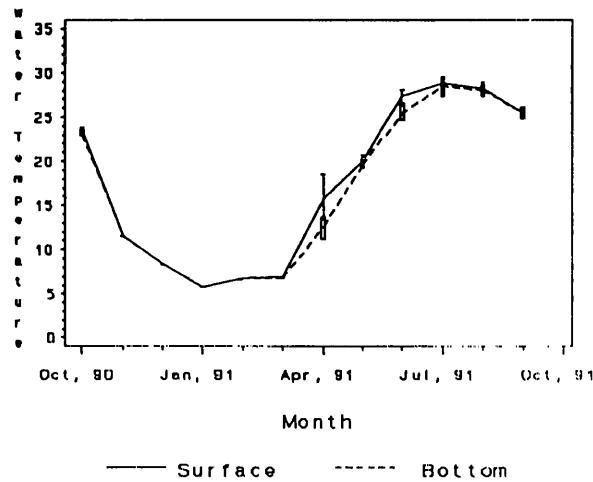
Station Id=CB7.1



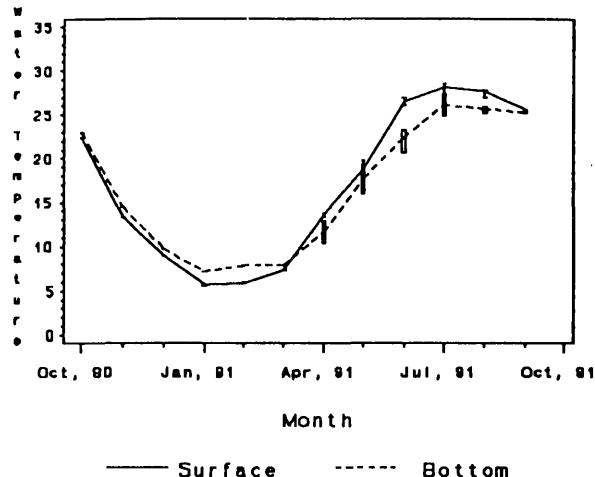
Station Id=CB7.1S



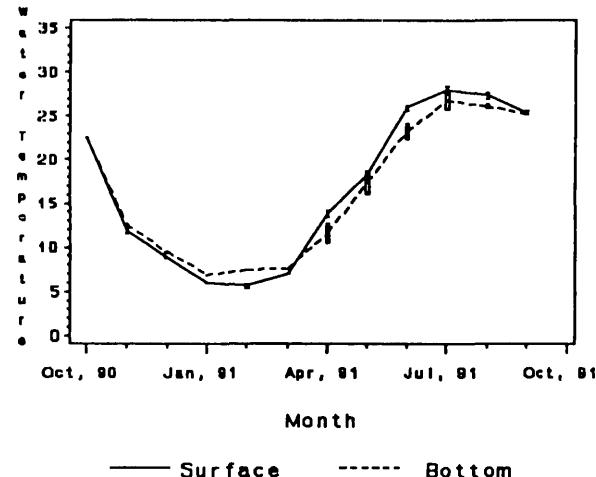
Station Id=CB5.4W



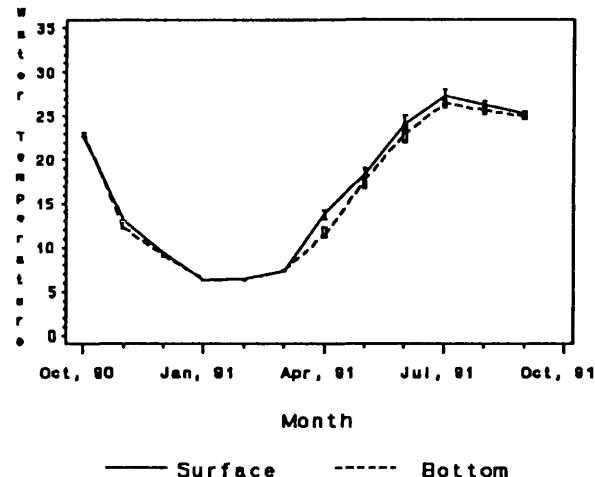
Station Id=CB7.2



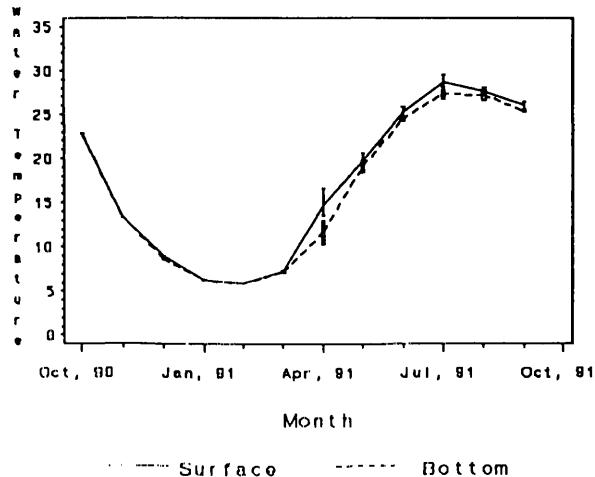
Station Id=CB7.2E



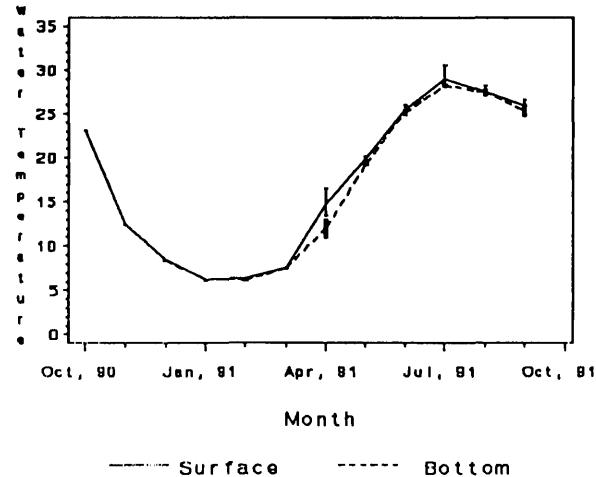
Station Id=CB7.3E



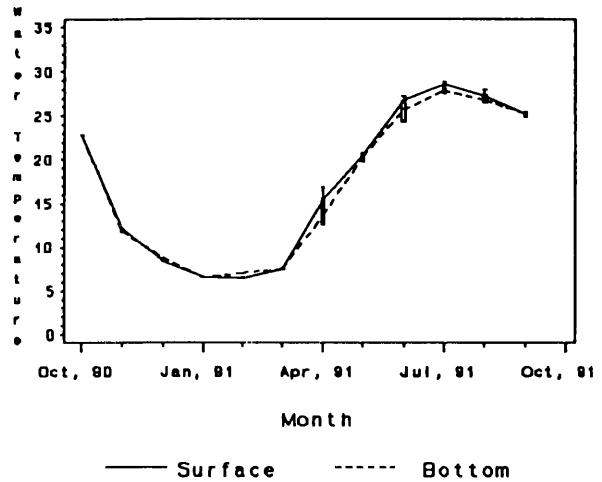
Station Id=LE3.6



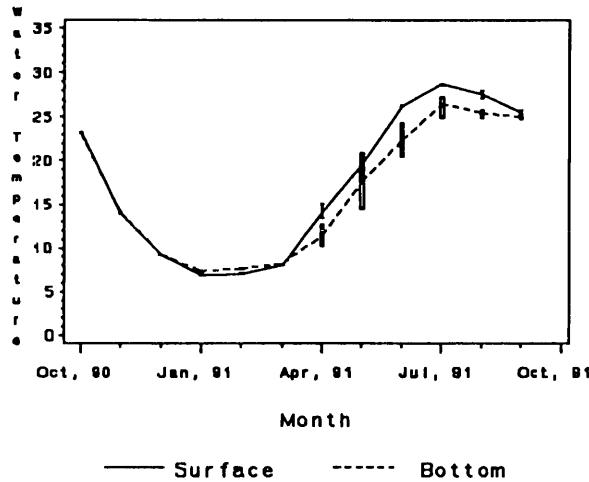
Station Id=LE3.7



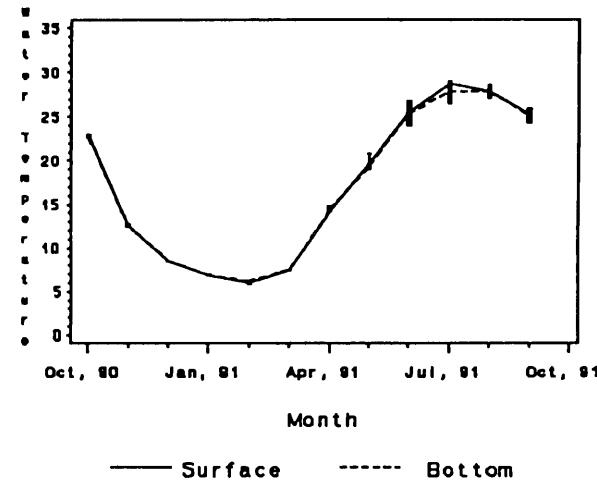
Station Id=WE4.1



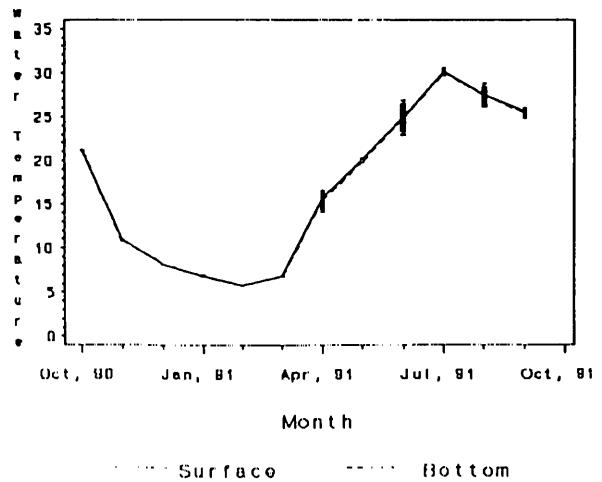
Station Id=WE4.2



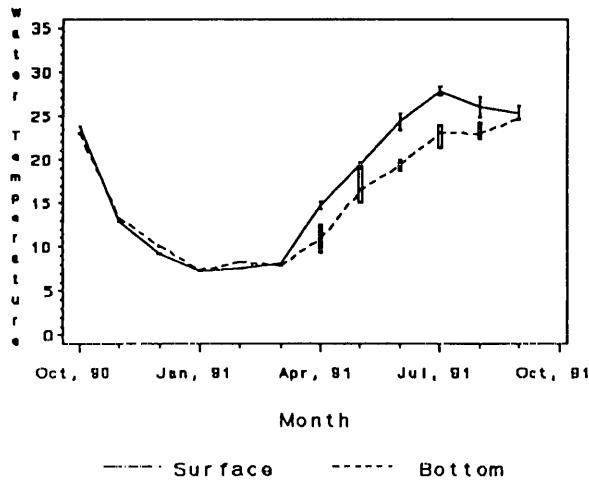
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5



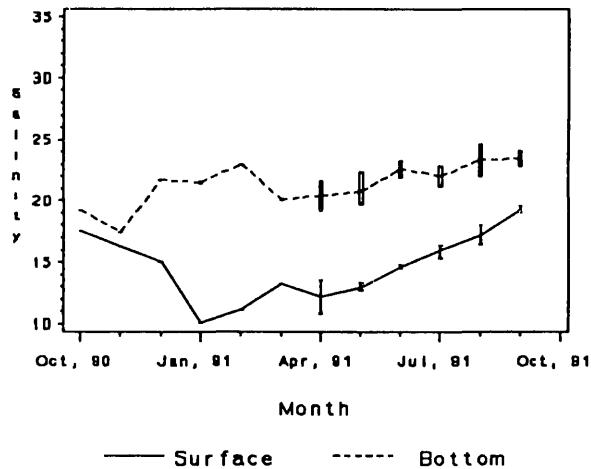
SALINITY

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

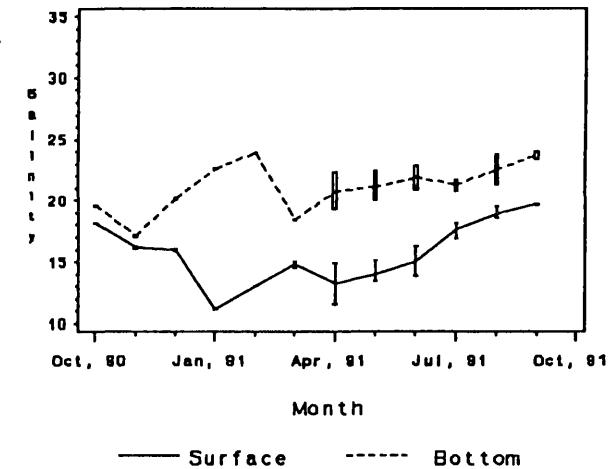
Salinity
 October, 1990 - September, 1991

	Salinity (PS)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	19.58	14.79	10.04	24.67	21.55	17.42
CB5.5.....	19.76	15.96	11.12	24.01	21.34	17.05
CB6.1.....	20.32	16.42	11.93	24.98	21.61	17.26
CB6.2.....	20.87	17.07	12.89	24.84	22.29	18.31
CB6.3.....	20.73	17.40	13.31	25.38	22.22	18.84
CB6.4.....	23.30	19.01	14.10	28.60	22.39	17.50
CB7.3.....	26.50	20.97	14.90	31.20	28.11	24.80
CB7.4.....	30.90	26.23	15.40	32.20	30.00	27.10
CB7.4N.....	32.00	27.59	16.50	32.30	29.44	26.60
CB8.1E.....	27.50	23.56	16.80	32.70	30.61	27.00
CB8.1.....	24.20	21.09	13.30	31.30	26.43	19.80
EE3.1.....	18.95	16.64	13.03	18.99	16.83	13.16
EE3.2.....	20.49	17.52	13.99	21.97	19.22	15.25
CB7.1N.....	20.73	16.38	12.69	22.33	19.36	15.78
CB7.1.....	22.21	17.69	13.22	24.88	21.76	18.03
CB7.1S.....	23.40	17.80	11.98	26.31	23.00	19.95
CB5.4W.....	18.57	14.53	10.64	18.64	14.97	11.19
CB7.2.....	22.60	18.26	12.94	29.10	25.52	22.60
CB7.2E.....	24.91	19.85	13.85	25.09	22.95	19.69
CB7.3E.....	25.90	22.09	14.80	30.90	26.06	21.00
LE3.6.....	19.47	15.51	11.08	20.30	16.60	12.86
LE3.7.....	19.77	15.68	12.26	19.98	16.16	12.31
WE4.1.....	22.12	18.95	16.09	22.90	19.50	16.45
WE4.2.....	22.93	19.32	15.44	25.77	23.18	18.44
WE4.3.....	23.16	19.55	15.75	23.21	19.62	15.95
WE4.4.....	23.72	19.59	15.99	23.77	19.77	16.09
LE5.5.....	23.40	19.58	12.30	30.30	27.01	19.90

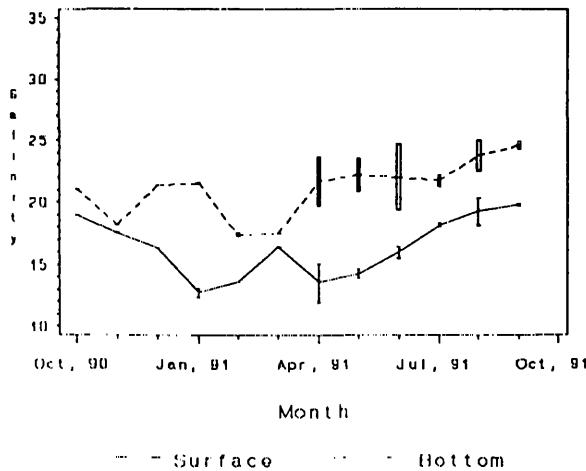
Station Id=CB5.4



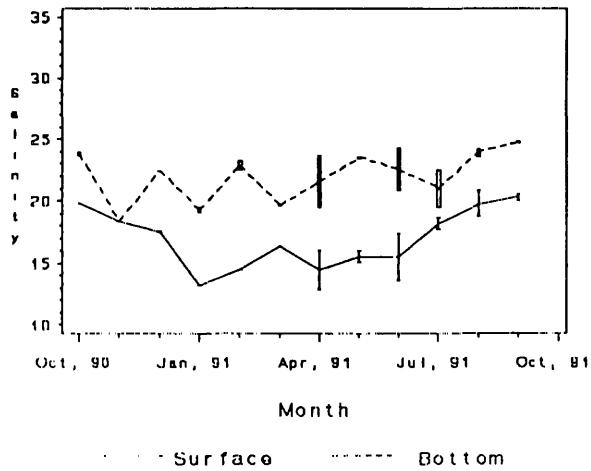
Station Id=CB5.5



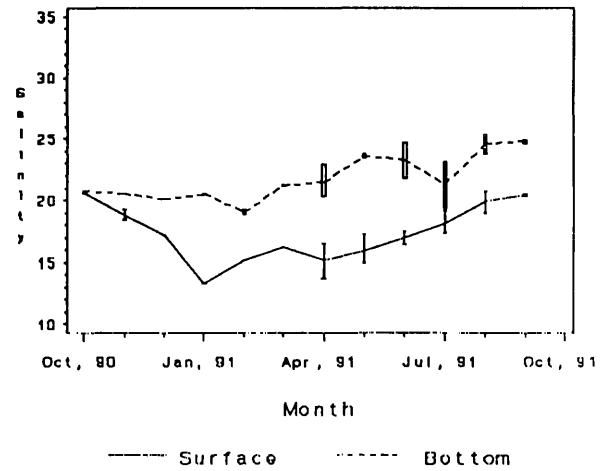
Station Id=CB6.1



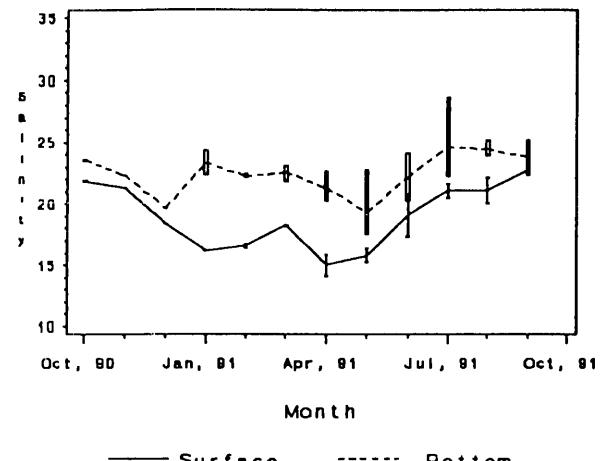
Station Id=CB6.2



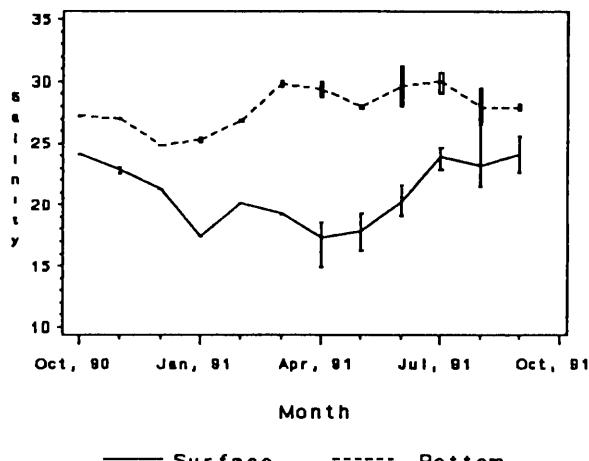
Station Id=CB6.3



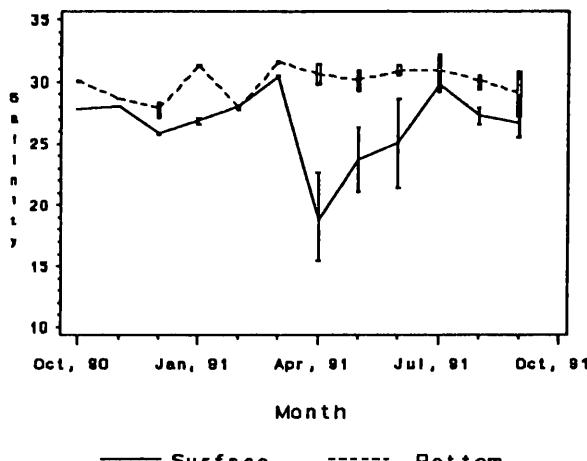
Station Id=CB6.4



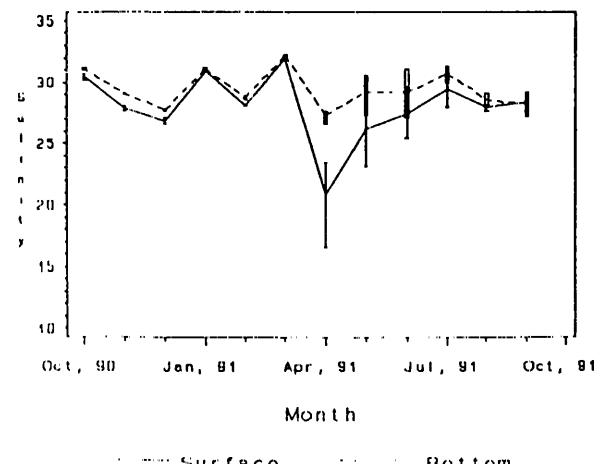
Station Id=CB7.3



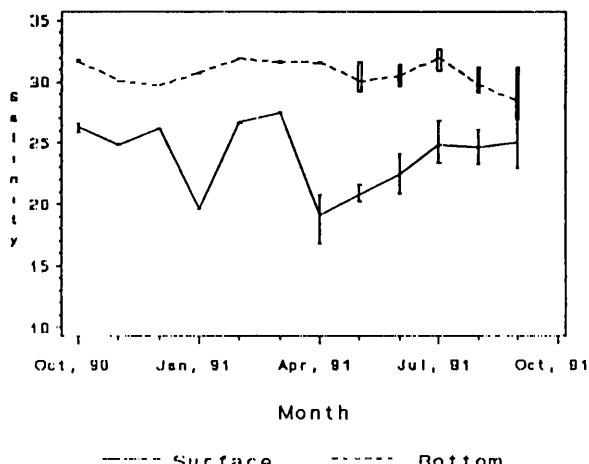
Station Id=CB7.4



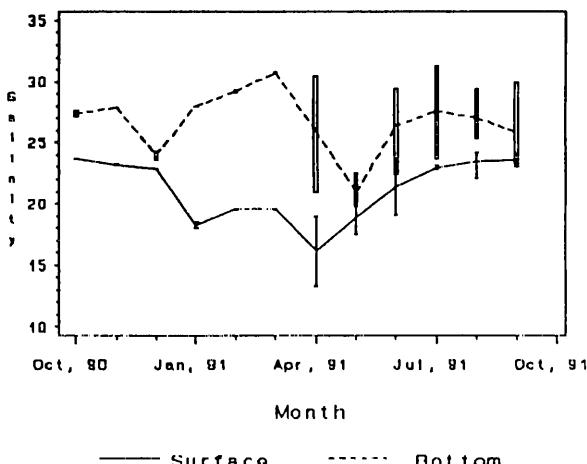
Station Id=CB7.4N



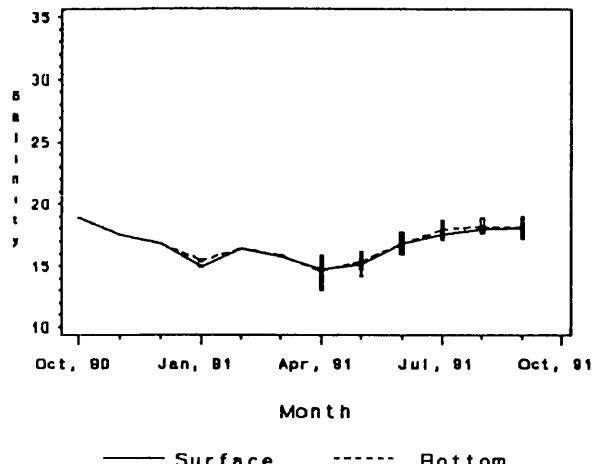
Station Id=CB8.1E



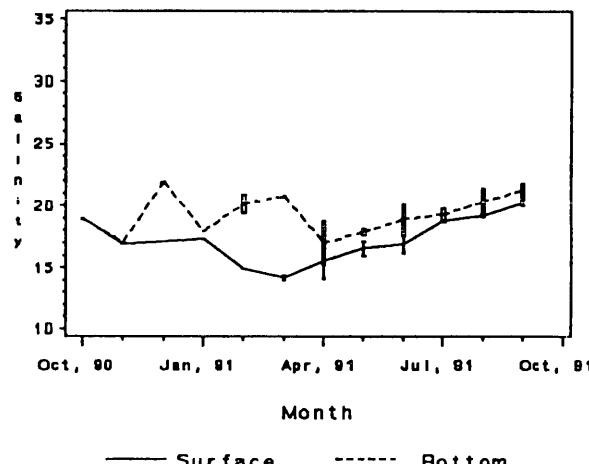
Station Id=CB8.1



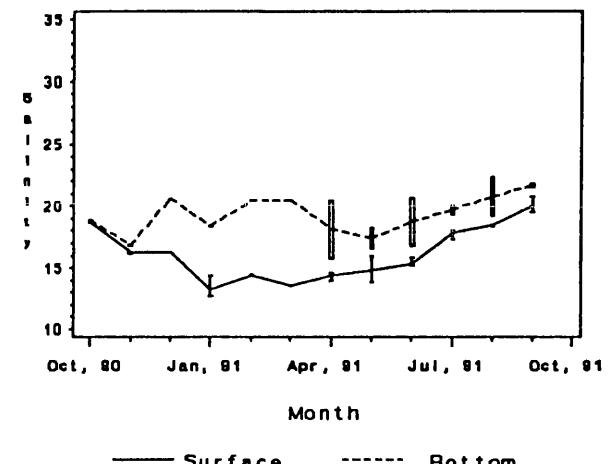
Station Id=EE3.1



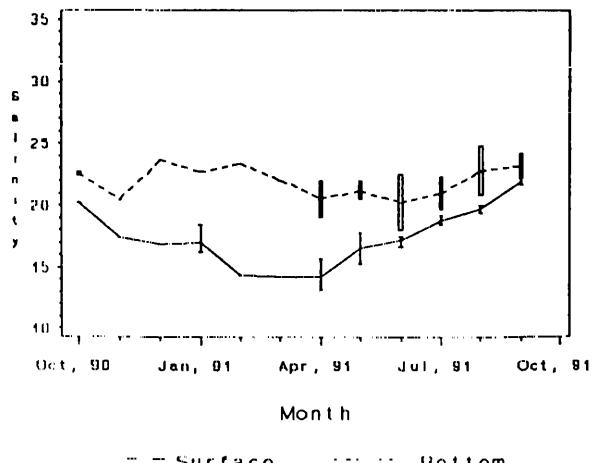
Station Id=EE3.2



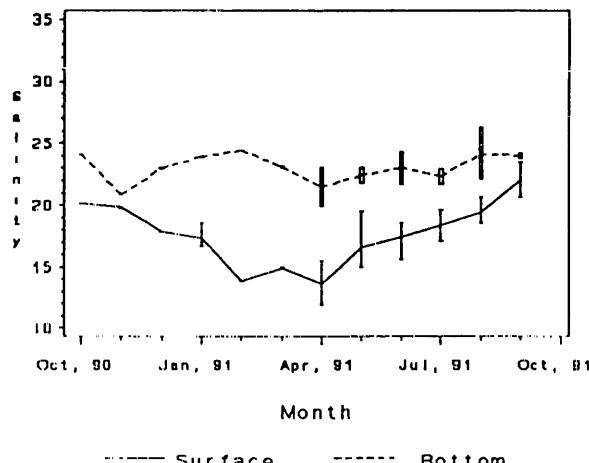
Station Id=CB7.1N



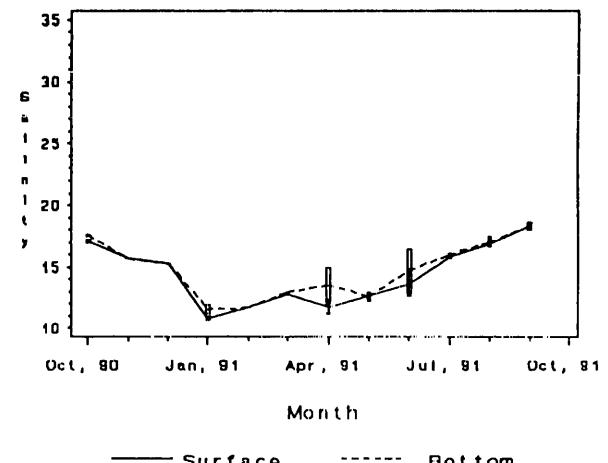
Station Id=CB7.1



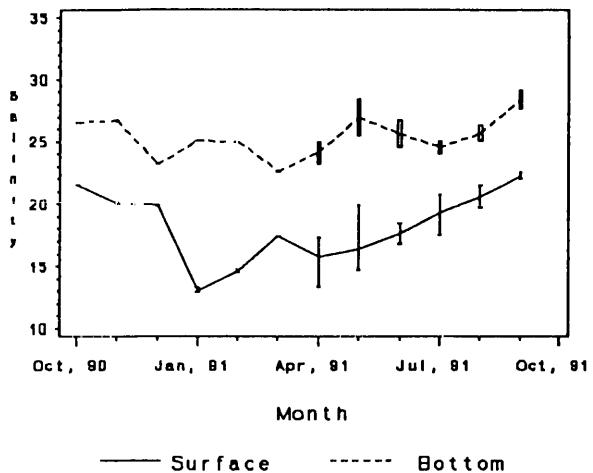
Station Id=CB7.1S



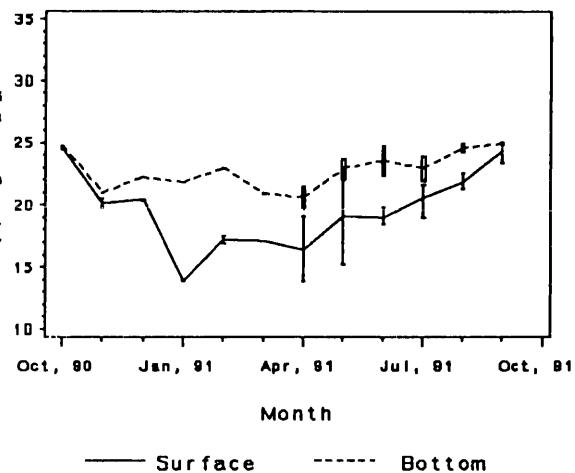
Station Id=CB5.4W



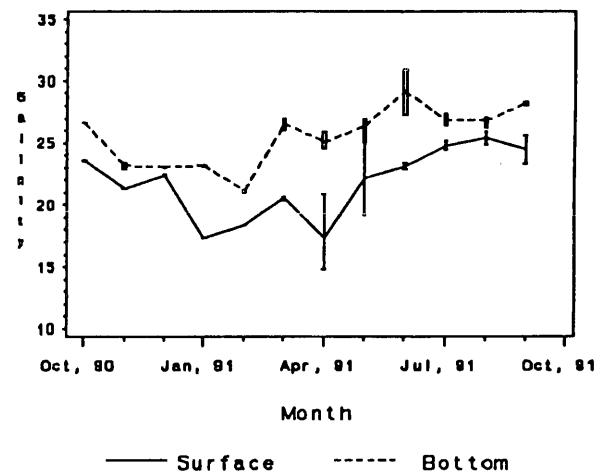
Station Id=CB7.2



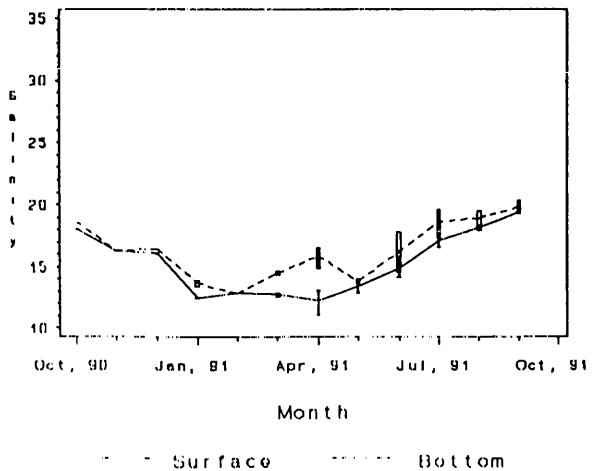
Station Id=CB7.2E



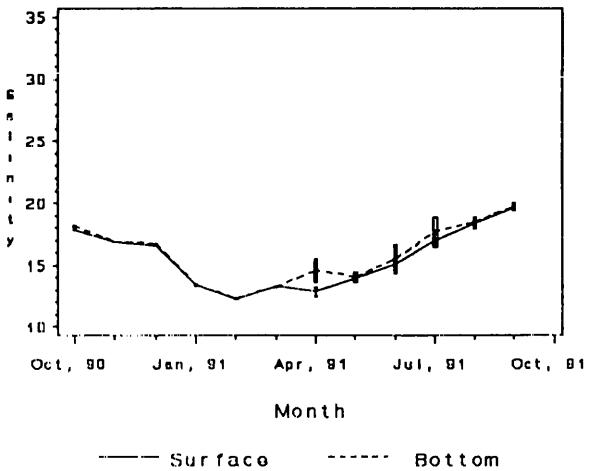
Station Id=CB7.3E



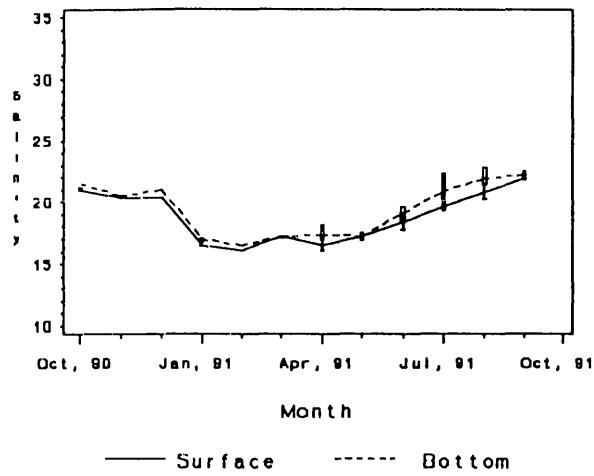
Station Id=LE3.6



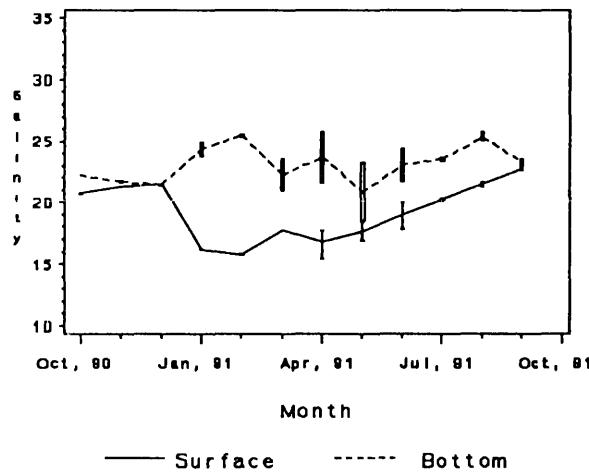
Station Id=LE3.7



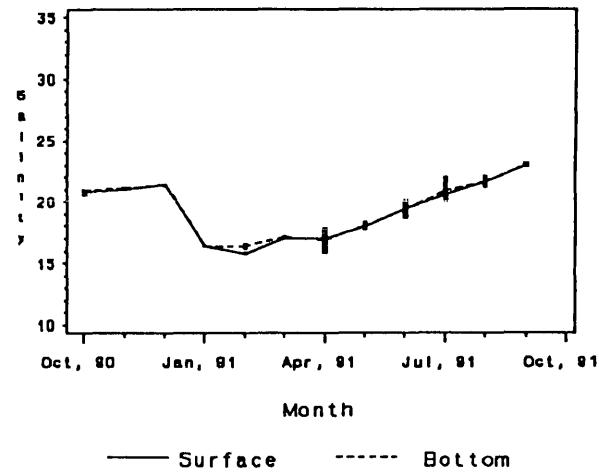
Station Id=WE4.1



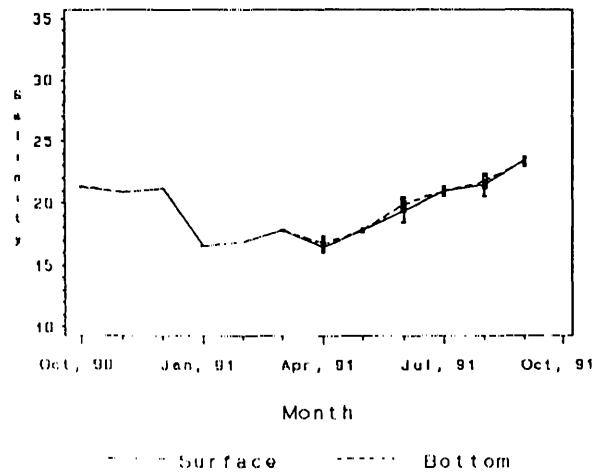
Station Id=WE4.2



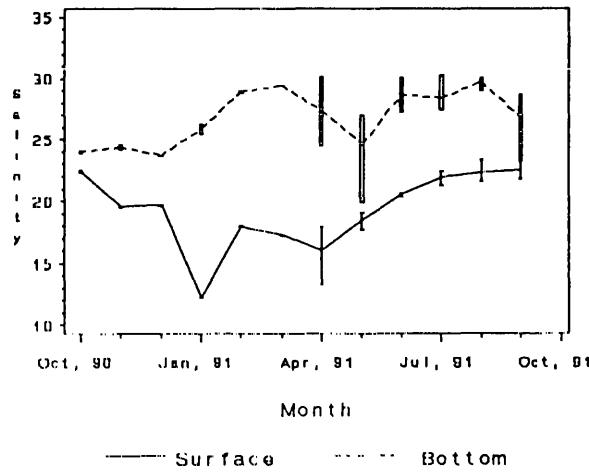
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5



DISSOLVED OXYGEN

Values reported as mg/l.

- * When no observations were made at a station (Total Obs. = 0) no percentages can be calculated.

Dissolved Oxygen
October, 1990 - September, 1991

	Dissolved Oxygen (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	12.69	9.03	5.80	9.09	4.63	0.18
CB5.5.....	12.54	9.22	6.80	10.07	5.05	0.48
CB6.1.....	12.31	9.22	7.28	11.14	6.12	0.48
CB6.2.....	12.15	9.02	6.40	10.56	6.27	1.89
CB6.3.....	12.00	9.02	5.93	10.04	6.71	3.57
CB6.4.....	11.93	8.61	6.00	10.09	6.94	2.68
CB7.3.....	11.17	8.73	6.18	9.69	7.07	4.43
CB7.4.....	10.24	8.35	6.41	9.67	7.33	5.17
CB7.4N.....	10.17	8.11	6.43	9.76	7.73	6.10
CB8.1E.....	11.00	8.17	5.25	9.08	6.84	4.40
CB8.1.....	11.18	8.43	5.53	9.38	7.14	4.42
EE3.1.....	12.02	8.57	6.30	11.90	8.35	5.68
EE3.2.....	11.74	8.68	5.64	10.98	6.97	3.39
CB7.1N.....	12.34	8.79	5.57	10.07	6.66	3.07
CB7.1.....	12.34	8.99	6.69	10.70	6.12	2.50
CB7.1S.....	12.48	9.21	6.73	9.40	6.23	2.27
CB5.4W.....	13.03	8.99	6.43	13.03	8.66	5.05
CB7.2.....	11.87	9.12	6.48	9.54	6.27	3.18
CB7.2E.....	11.74	8.75	5.85	10.02	7.00	4.18
CB7.3E.....	11.59	8.45	6.12	10.81	7.22	4.96
LE3.6.....	12.19	8.97	6.59	12.09	7.55	2.33
LE3.7.....	12.14	8.95	6.61	12.23	8.05	1.89
WE4.1.....	12.13	8.56	6.08	11.92	7.79	3.24
WE4.2.....	13.24	8.43	5.64	9.84	5.80	0.52
WE4.3.....	12.65	8.89	6.21	12.65	8.53	4.79
WE4.4.....	12.09	8.40	5.58	12.09	8.21	5.51
LE5.5.....	11.44	8.14	5.98	9.00	6.52	3.99

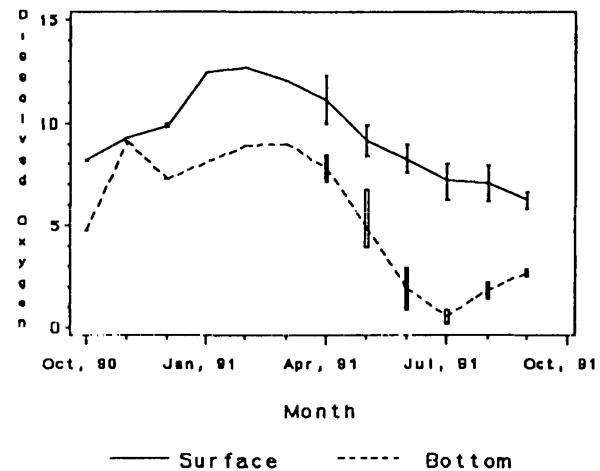
Dissolved Oxygen
October, 1990 - September, 1991

	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	
Oct, 1990															
≤ 5.....	0.00	0.00	62.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00	
≤ 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.....	10	6	16	9	11	17	8	11	18	12	10	11	16	25	
Nov, 1990															
≤ 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.....	13	12	16	15	13	13	9	12	18	12	9	12	16	23	
Dec, 1990															
≤ 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.....	12	9	16	8	15	17	9	12	18	12	10	12	17	25	
Jan, 1991															
≤ 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.....	13	11	17	15	11	16	9	12	19	12	10	12	16	20	
Feb, 1991															
≤ 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	10	16	9	10	11	10	12	19	12	10	12	16	24	
Mar, 1991															
≤ 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.....	14	12	15	10	13	17	9	11	19	12	10	12	17	25	
Apr, 1991															
≤ 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.....	23	21	33	16	22	31	17	21	37	24	20	23	33	46	
May, 1991															
≤ 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	16.67	
≤ 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	2.08	
Total Obs.....	22	24	30	15	24	28	16	22	36	25	20	24	32	48	
Jun, 1991															
≤ 5.....	0.00	0.00	0.00	0.00	0.00	0.00	25.00	42.31	0.00	0.00	33.33	20.00	41.18	57.45	
≤ 4.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.76	0.00	29.41	51.06		
Total Obs.....	22	28	28	17	25	39	16	26	38	25	21	25	34	47	
Jul, 1991															
≤ 5.....	0.00	0.00	0.00	0.00	4.00	0.00	44.44	34.78	62.16	20.00	40.00	37.50	57.58	75.00	
≤ 4.....	0.00	0.00	0.00	0.00	0.00	0.00	33.33	4.35	37.84	0.00	35.00	37.50	54.55	68.75	
Total Obs.....	27	25	33	18	25	35	18	23	37	25	20	24	33	48	
Aug, 1991															
≤ 5.....	0.00	0.00	15.63	12.50	24.00	31.43	23.53	33.33	57.89	44.00	20.00	41.67	38.71	59.57	
≤ 4.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.76	16.67	5.26	0.00	10.00	33.33	25.81	53.19
Total Obs.....	19	23	32	16	25	35	17	24	38	25	20	24	31	47	
Sep, 1991															
≤ 5.....	0.00	0.00	19.35	11.76	0.00	0.00	5.56	18.18	21.05	0.00	35.00	37.50	34.38	56.00	
≤ 4.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.64	0.00	0.00	15.00	20.83	15.63	50.00	
Total Obs.....	26	23	31	17	28	29	18	22	38	24	20	24	32	50	

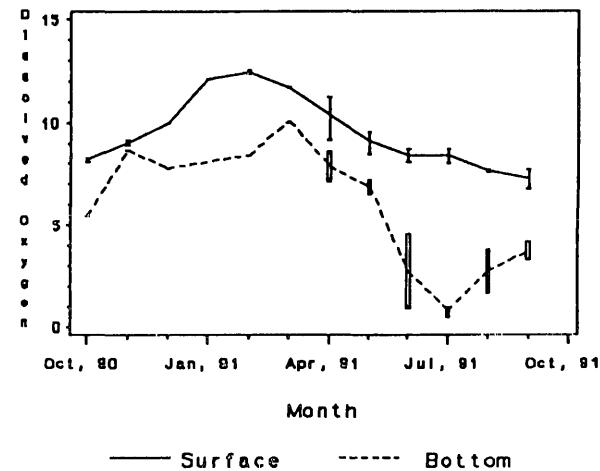
Dissolved Oxygen
October, 1990 - September, 1991

	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, 1990													
% < 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	25	21	5	4	8	6	5	16	5	6	18
Nov, 1990													
% < 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	25	21	4	4	8	6	5	13	4	7	15
Dec, 1990													
% < 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	24	20	3	4	9	6	6	13	5	6	17
Jan, 1991													
% < 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	20	19	3	5	9	5	6	14	5	4	16
Feb, 1991													
% < 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	20	22	20	3	4	8	6	5	14	5	7	19
Mar, 1991													
% < 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	22	21	4	4	9	7	5	13	5	7	16
Apr, 1991													
% < 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	48	42	8	9	18	14	10	32	9	13	36
May, 1991													
% < 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.....	29	42	46	42	9	8	17	13	10	29	9	12	36
Jun, 1991													
% < 5.....	6.25	57.50	22.92	44.19	0.00	0.00	16.67	0.00	10.00	40.74	0.00	0.00	0.00
% < 4.....	0.00	0.00	12.50	16.28	0.00	0.00	0.00	0.00	10.00	25.93	0.00	0.00	0.00
Total Obs.....	32	40	48	43	9	9	18	14	10	27	11	14	34
Jul, 1991													
% < 5.....	53.57	56.41	39.13	16.28	0.00	0.00	23.53	15.38	0.00	54.84	10.00	0.00	50.00
% < 4.....	53.57	33.33	10.87	6.98	0.00	0.00	17.65	15.38	0.00	32.26	0.00	0.00	2.78
Total Obs.....	28	39	46	43	7	9	17	13	10	31	10	13	36
Aug, 1991													
% < 5.....	59.38	53.85	6.25	13.95	0.00	0.00	0.00	0.00	10.00	40.74	0.00	0.00	42.11
% < 4.....	18.75	33.33	4.17	4.65	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00
Total Obs.....	32	39	48	43	6	8	17	14	10	27	10	14	38
Sep, 1991													
% < 5.....	28.12	19.51	21.74	14.29	0.00	0.00	5.88	0.00	0.00	6.45	0.00	0.00	10.53
% < 4.....	25.00	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Obs.....	32	41	46	42	8	8	17	14	10	31	10	13	38

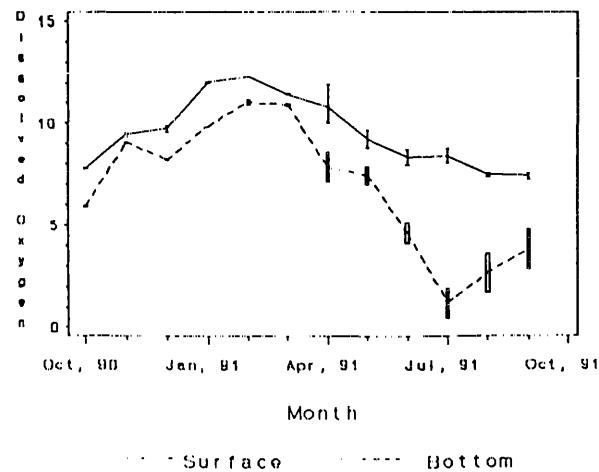
Station Id=CB5.4



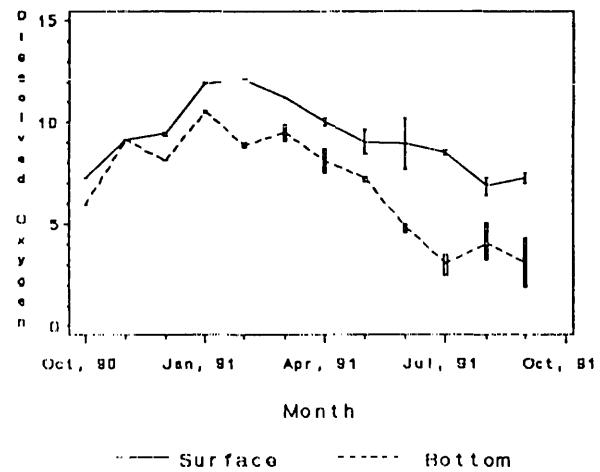
Station Id=CB5.5



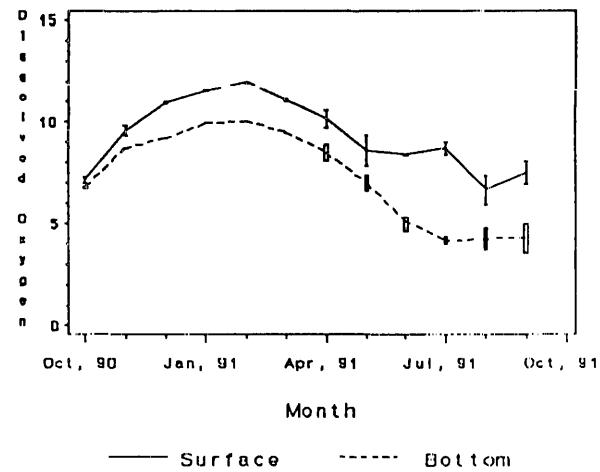
Station Id=CB6.1



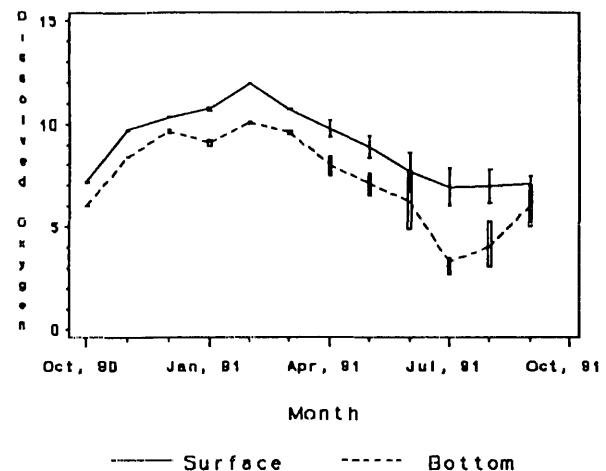
Station Id=CB6.2



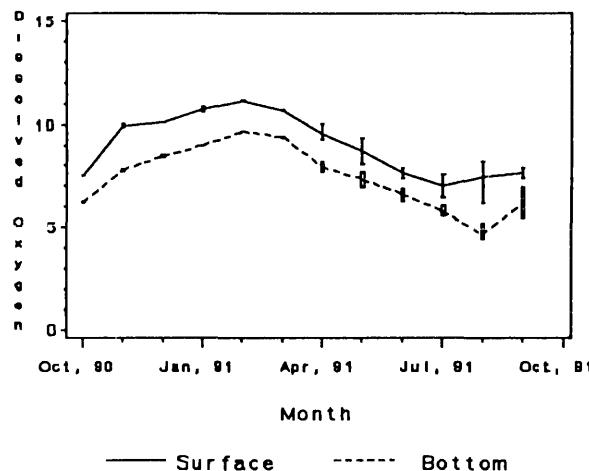
Station Id=CB6.3



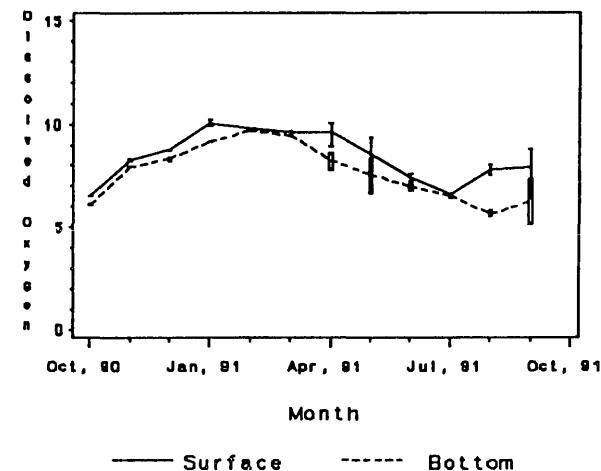
Station Id=CB6.4



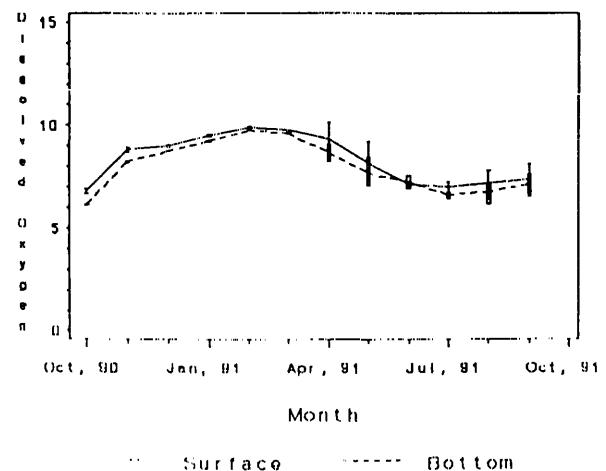
Station Id=CB7.3



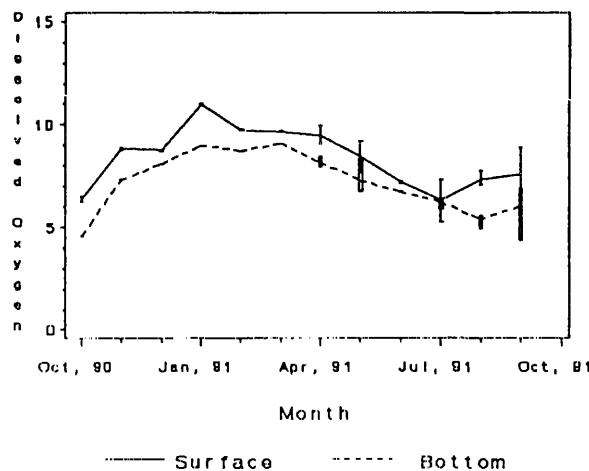
Station Id=CB7.4



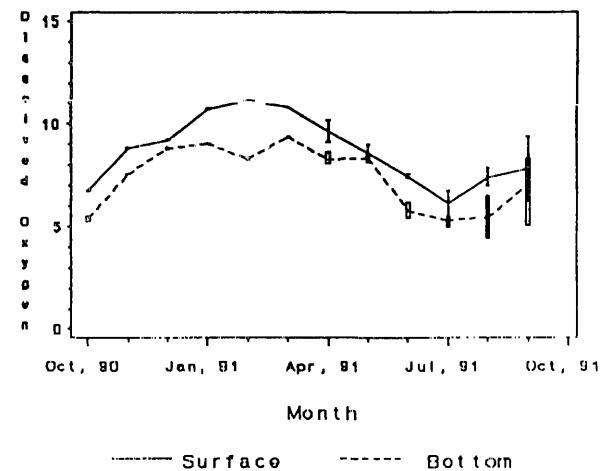
Station Id=CB7.4N



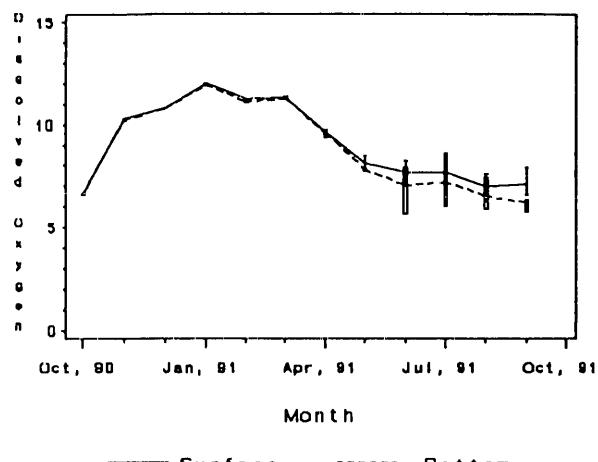
Station Id=CB8.1E



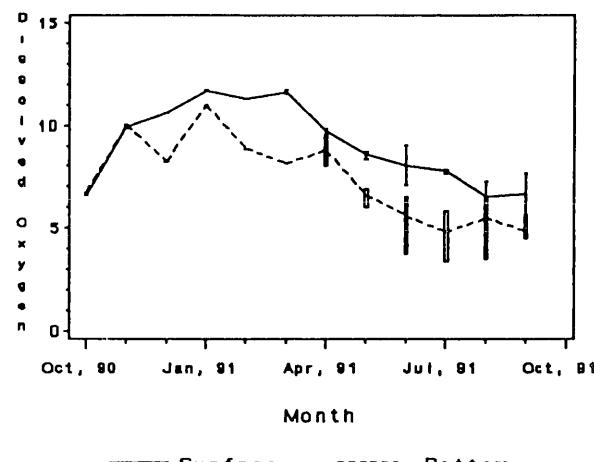
Station Id=CB8.1



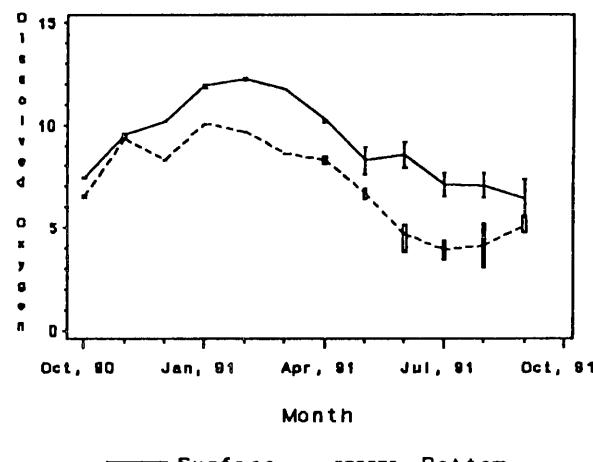
Station Id=EE3.1



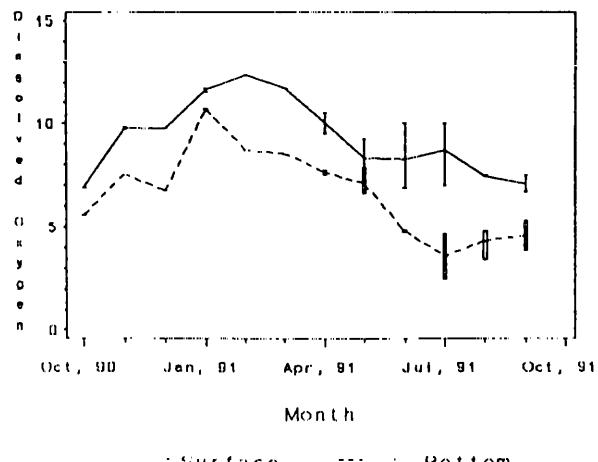
Station Id=EE3.2



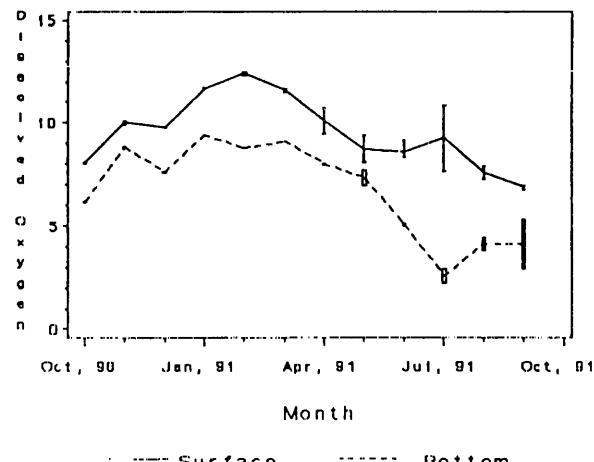
Station Id=CB7.1N



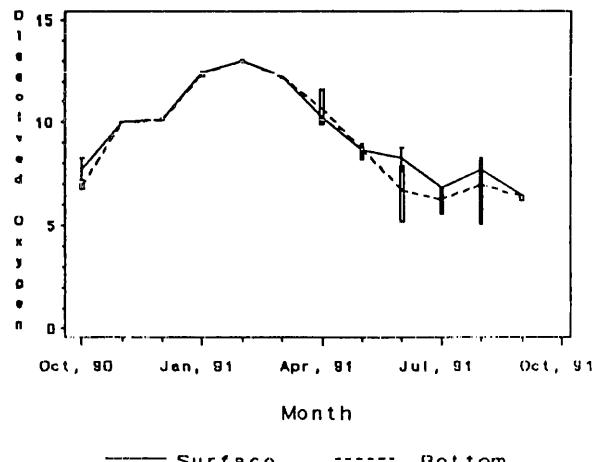
Station Id=CB7.1



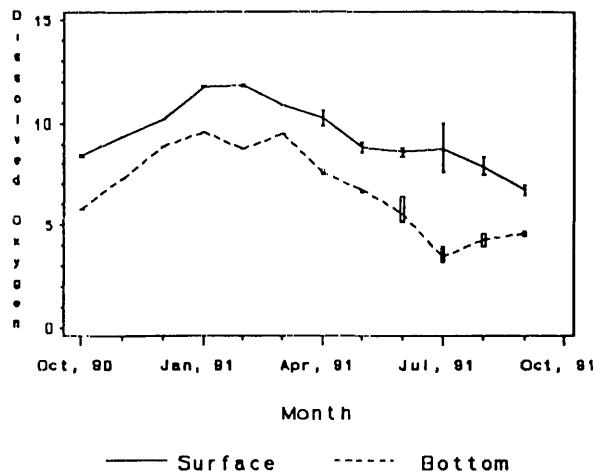
Station Id=CB7.1S



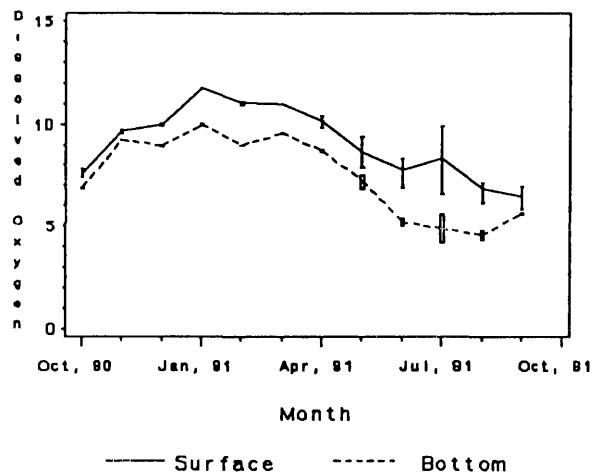
Station Id=CB5.4W



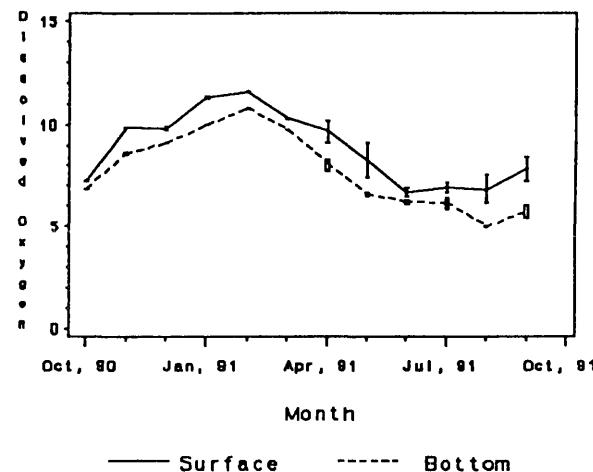
Station Id=CB7.2



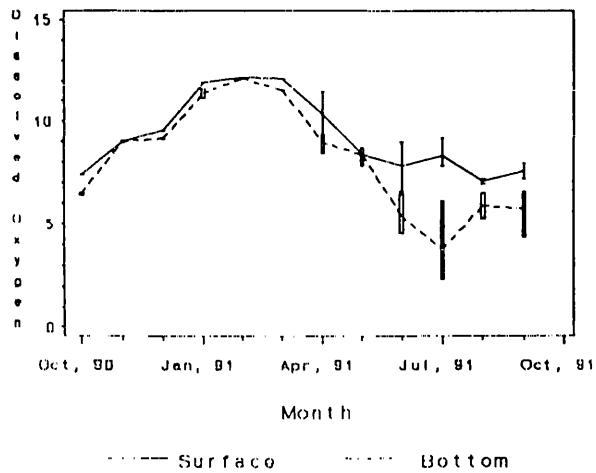
Station Id=CB7.2E



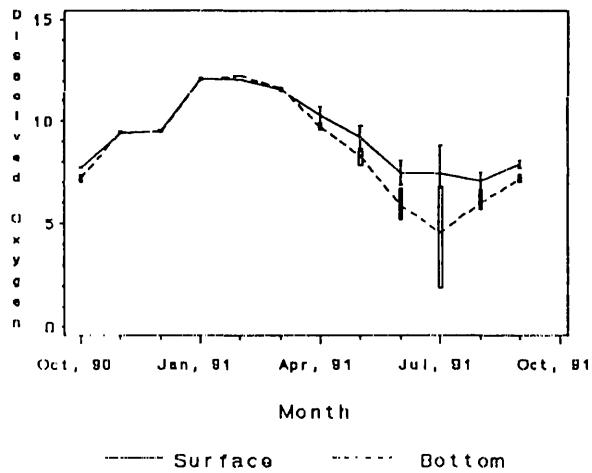
Station Id=CB7.3E



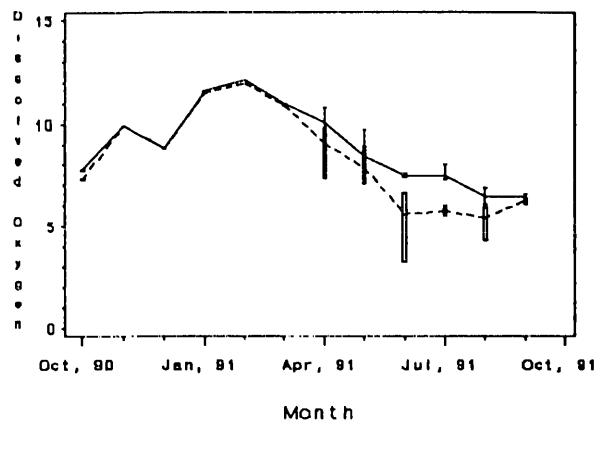
Station Id=LE3.6



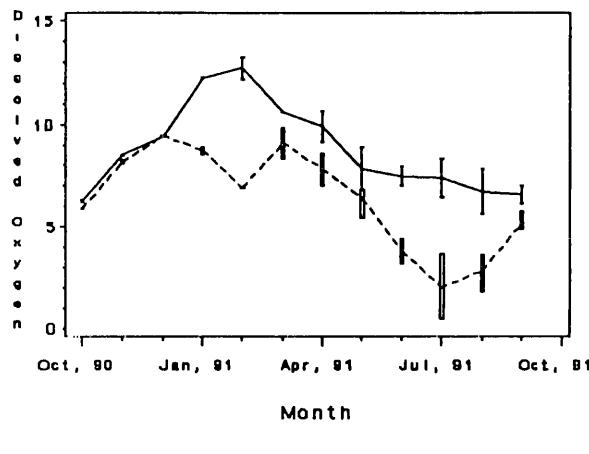
Station Id=LE3.7



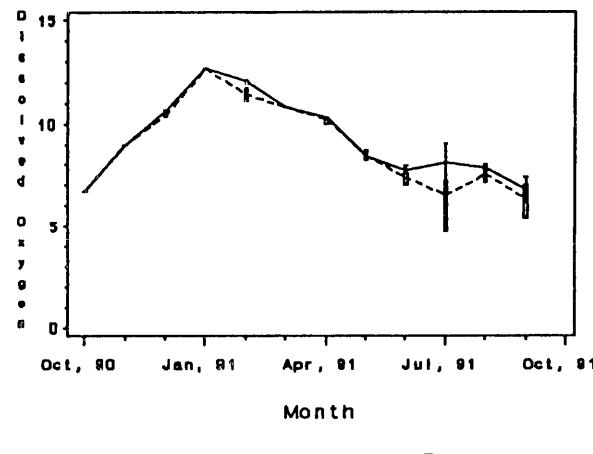
Station Id=WE4.1



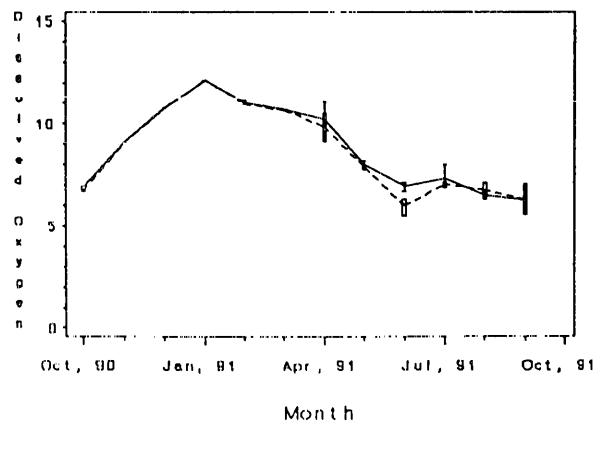
Station Id=WE4.2



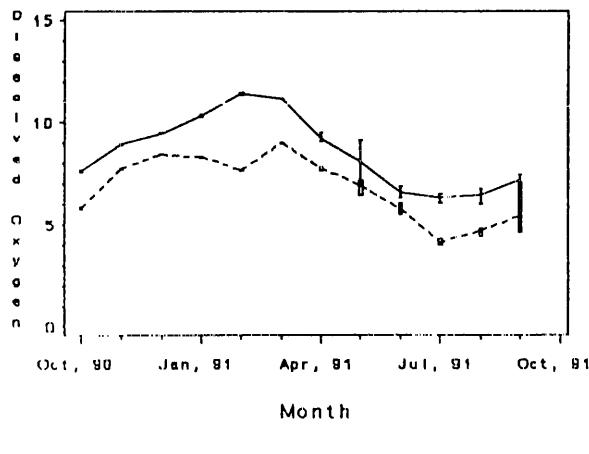
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5



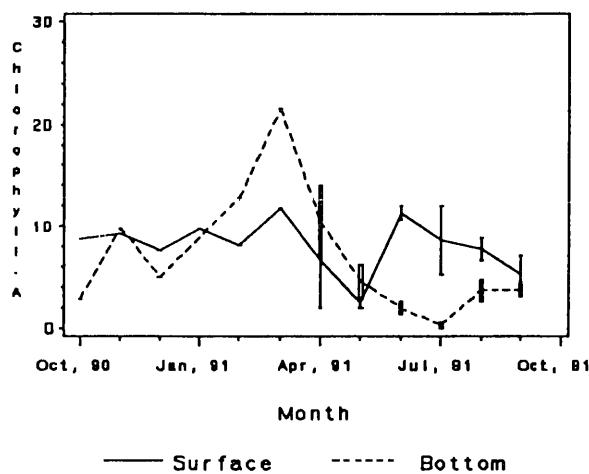
CHLOROPHYLL-A

Values reported as ug/l.

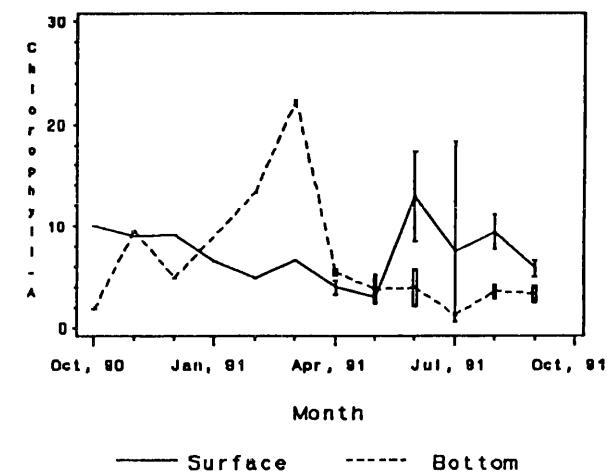
Chlorophyll-A
October, 1990 - September, 1991

	Chlorophyll-A (ug/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	11.98	7.78	1.95	21.66	5.99	0.00
CB5.5.....	18.33	6.93	0.59	22.39	5.58	1.26
CB6.1.....	13.12	6.35	2.26	16.92	6.05	1.11
CB6.2.....	11.89	6.67	2.95	11.80	5.17	0.61
CB6.3.....	12.18	7.47	2.18	14.24	6.44	2.00
CB6.4.....	13.82	6.53	0.45	11.53	5.28	0.65
CB7.3.....	16.15	5.90	1.01	11.09	4.52	0.00
CB7.4.....	9.21	3.95	1.75	11.21	4.56	0.57
CB7.4N.....	9.87	3.79	1.13	12.50	4.54	0.63
CB8.1E.....	12.48	5.84	2.26	11.21	4.01	0.61
CB8.1.....	19.02	6.66	3.24	17.09	5.46	1.00
EE3.1.....	28.26	11.77	5.16	27.66	11.89	4.15
EE3.2.....	17.49	8.82	3.03	41.09	10.94	1.50
CB7.1N.....	15.15	8.22	3.20	25.04	10.82	3.87
CB7.1.....	36.53	8.70	2.03	47.58	8.81	0.67
CB7.1S.....	29.72	8.17	2.34	12.92	5.73	1.38
CB5.4W.....	17.94	9.63	2.00	28.32	11.55	3.84
CB7.2.....	11.71	6.06	1.94	13.97	5.19	1.81
CB7.2E.....	16.29	6.96	2.13	22.20	7.26	1.36
CB7.3E.....	14.91	6.94	1.57	14.30	6.17	1.72
LE3.6.....	22.13	9.32	2.08	15.36	8.28	3.36
LE3.7.....	14.61	8.86	4.67	13.76	8.67	4.17
WE4.1.....	11.28	8.58	3.52	22.69	11.03	5.08
WE4.2.....	12.28	6.76	2.67	21.05	8.64	2.67
WE4.3.....	14.86	7.99	2.48	14.37	8.01	3.36
WE4.4.....	13.03	7.70	3.10	13.36	6.93	1.94
LE5.5.....	19.36	8.69	3.92	13.53	5.15	0.83

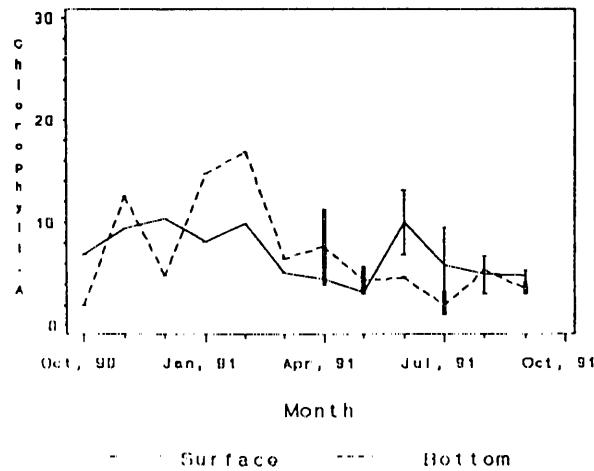
Station Id=CB5.4



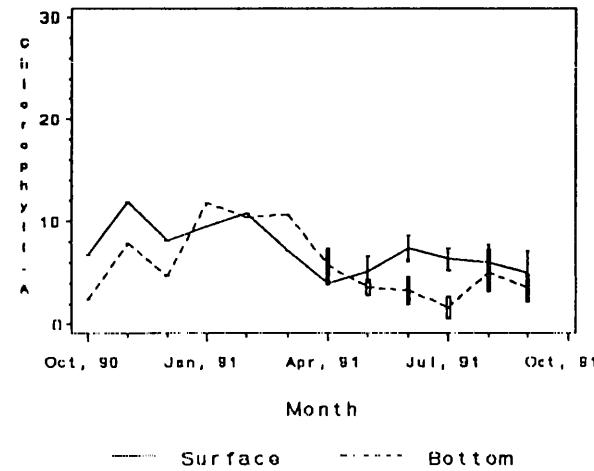
Station Id=CB5.5



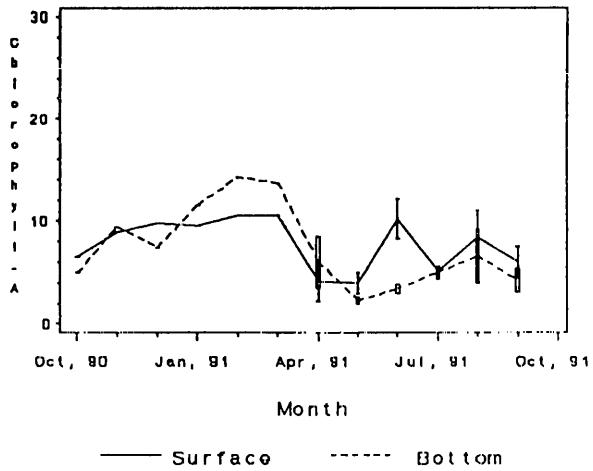
Station Id=CB6.1



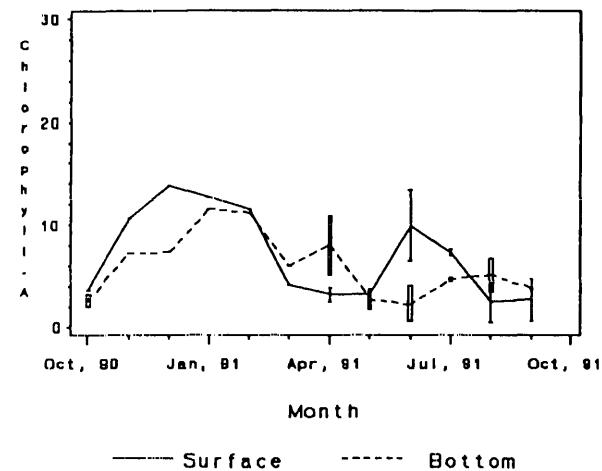
Station Id=CB6.2



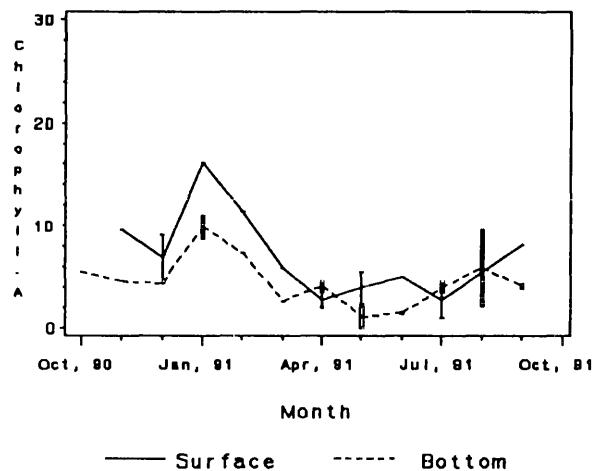
Station Id=CB6.3



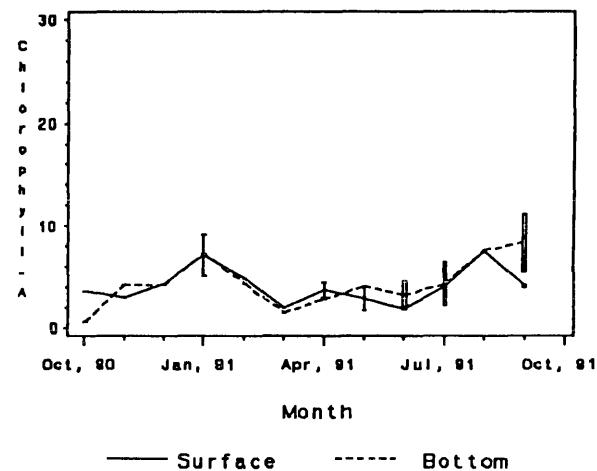
Station Id=CB6.4



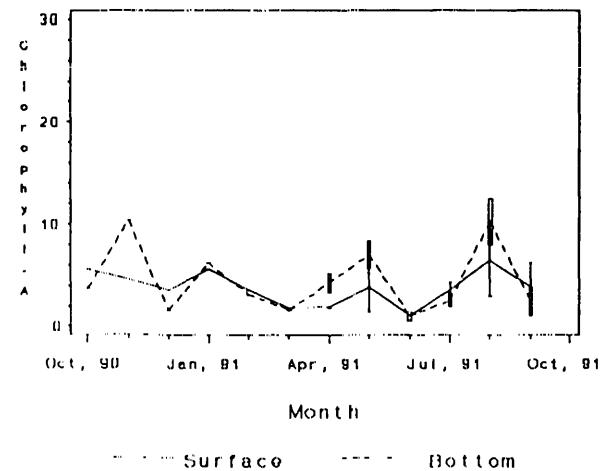
Station Id=CB7.3



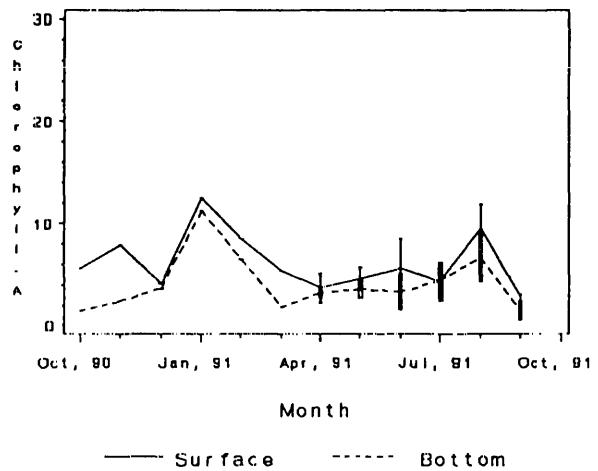
Station Id=CB7.4



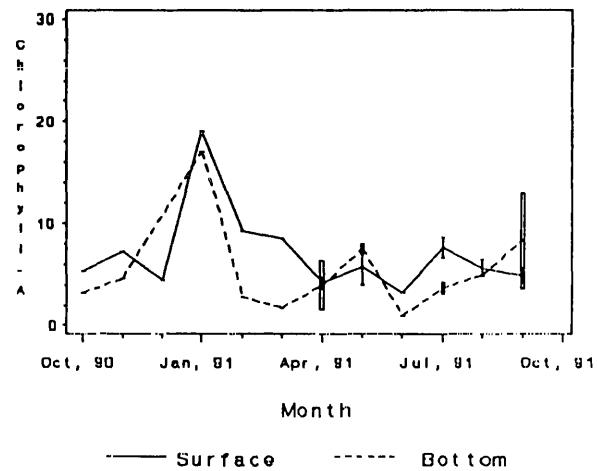
Station Id=CB7.4N



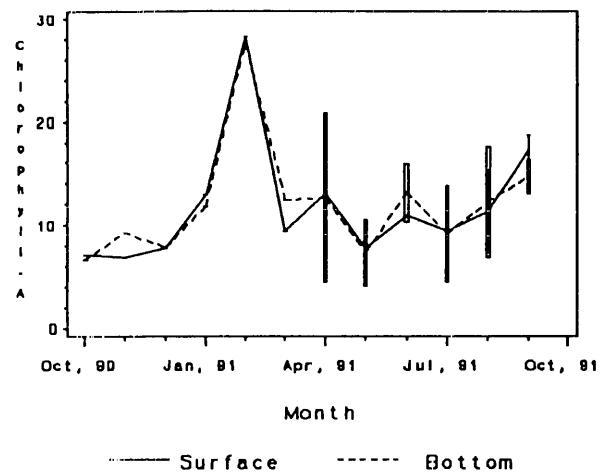
Station Id=CB8.1E



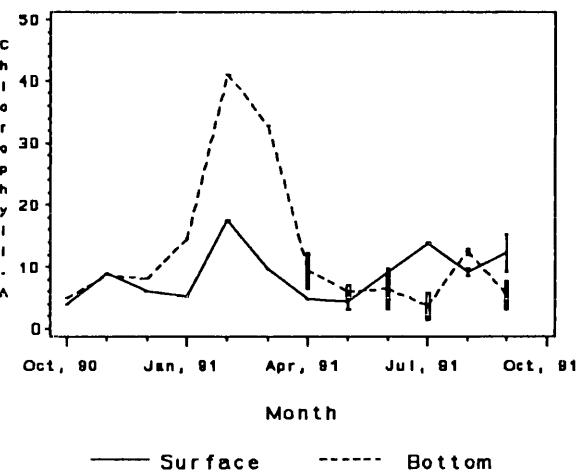
Station Id=CB8.1



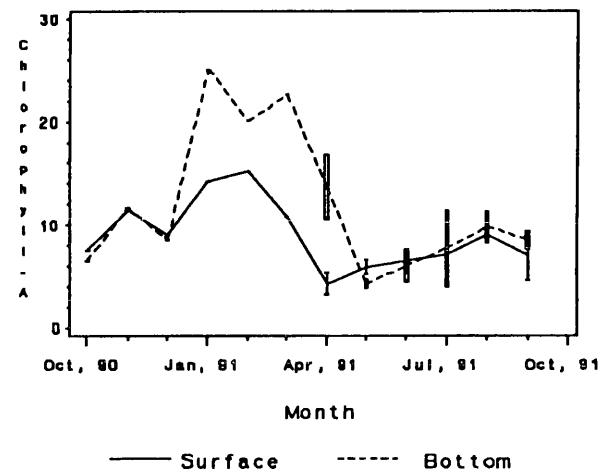
Station Id=EE3.1



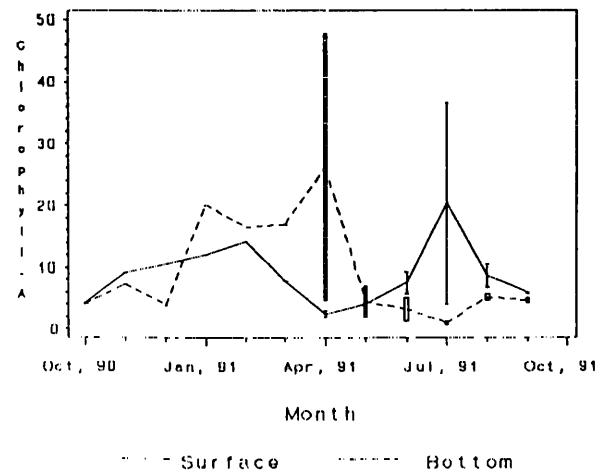
Station Id=EE3.2



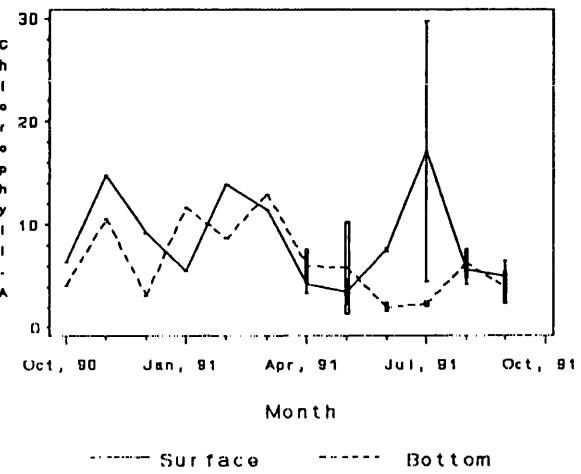
Station Id=CB7.1N



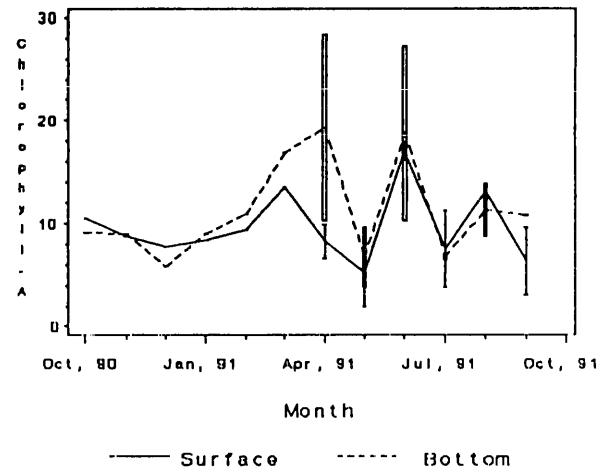
Station Id=CB7.1



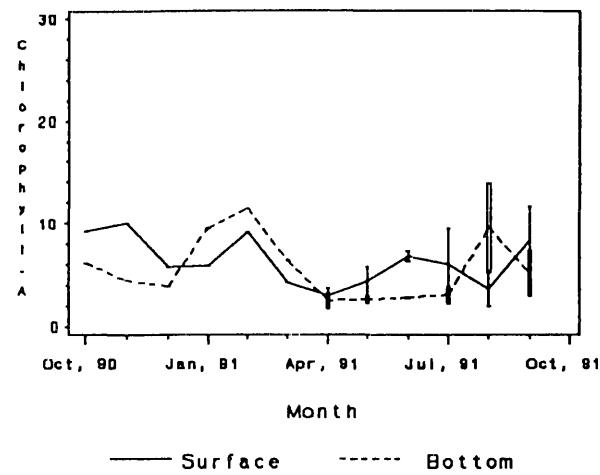
Station Id=CB7.1S



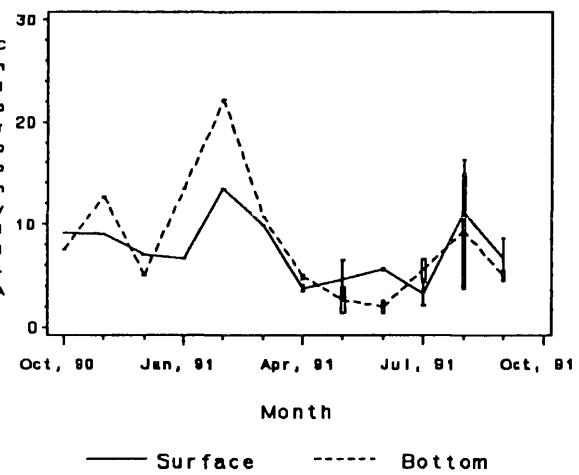
Station Id=CB5.4W



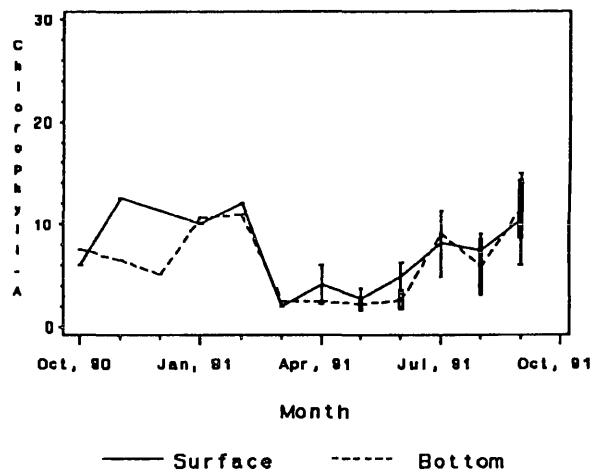
Station Id=CB7.2



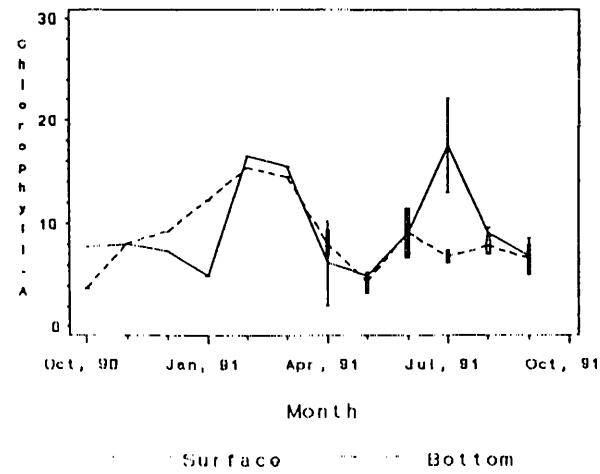
Station Id=CB7.2E



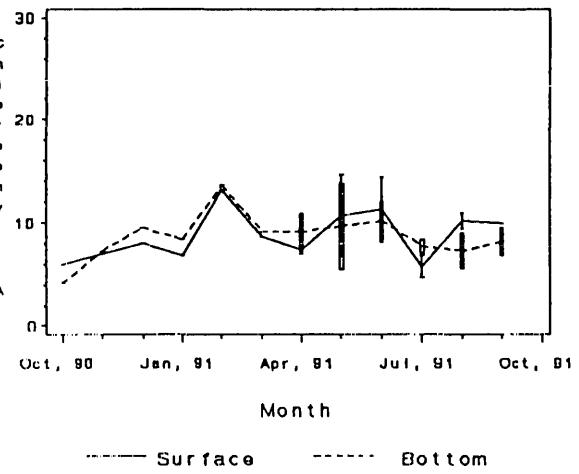
Station Id=CB7.3E



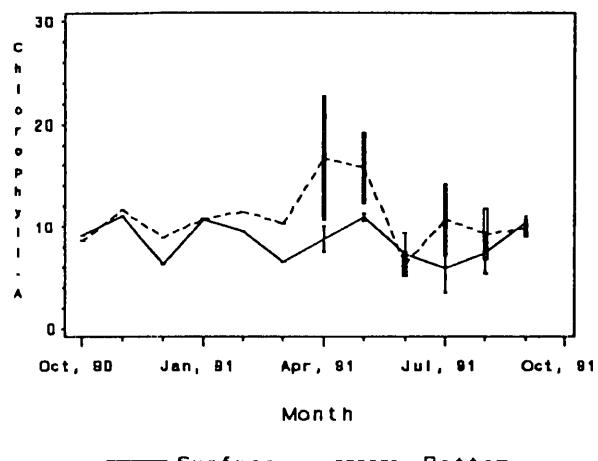
Station Id=LE3.6



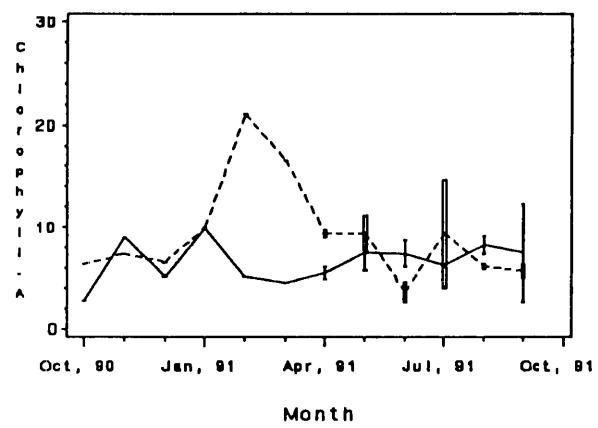
Station Id=LE3.7



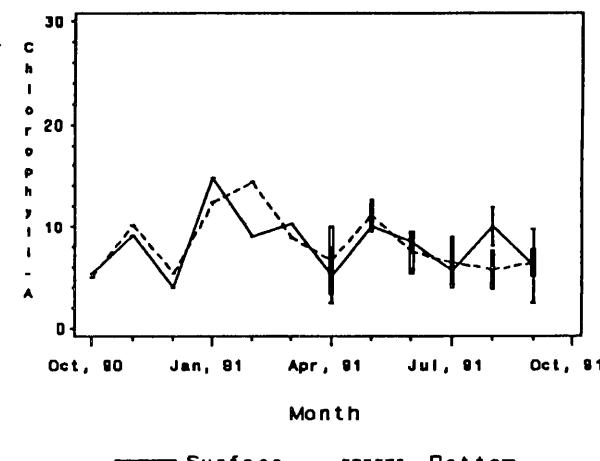
Station Id=WE4.1



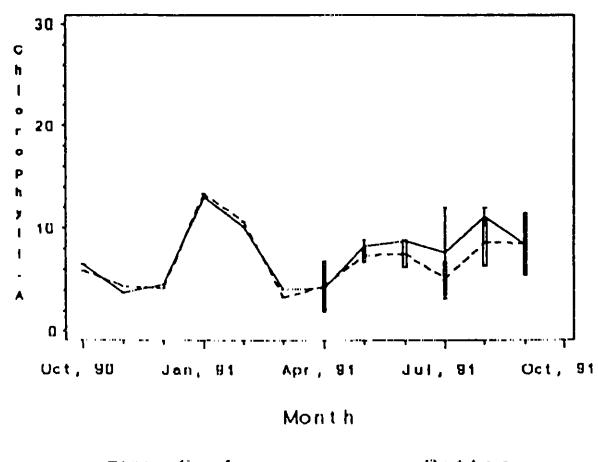
Station Id=WE4.2



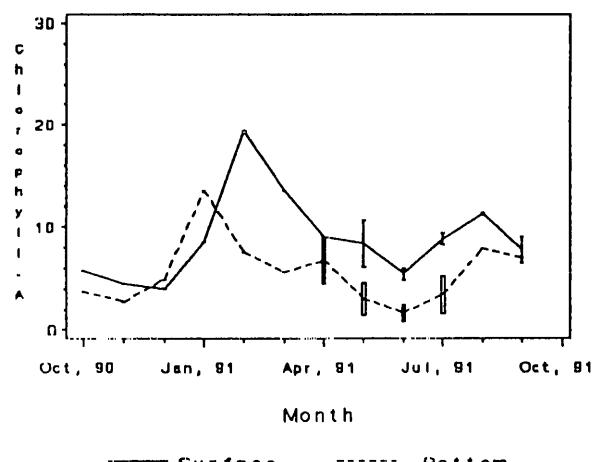
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5



TOTAL PHOSPHORUS

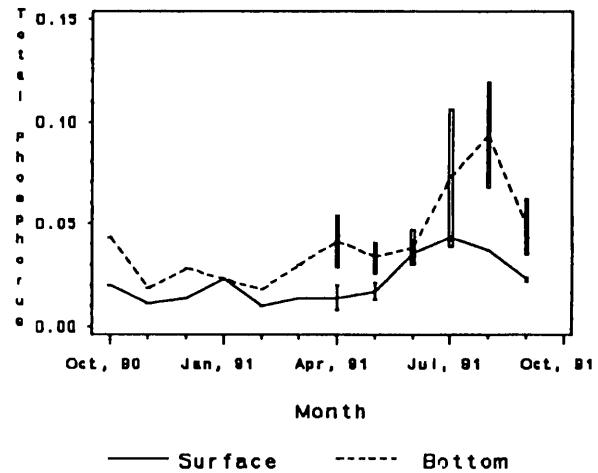
Total Phosphorus is the sum of
Particulate Phosphorus and Total Dissolved Phosphorus.

Values reported as mg/l.

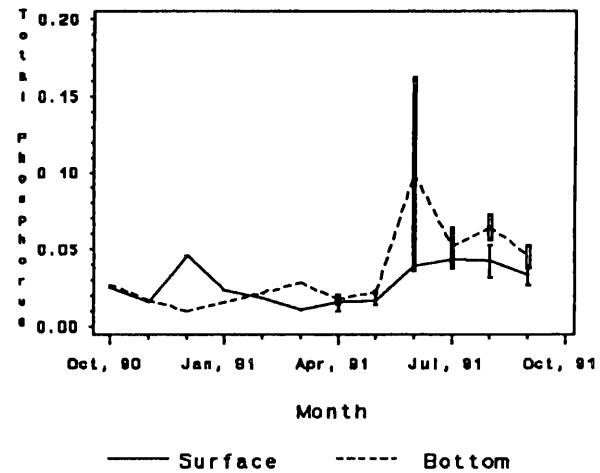
Total Phosphorus
October, 1990 - September, 1991

	Total Phosphorus (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	0.0440	0.0240	0.0080	0.1190	0.0467	0.0180
CB5.5.....	0.0530	0.0284	0.0100	0.1620	0.0415	0.0100
CB6.1.....	0.1190	0.0307	0.0080	0.0710	0.0352	0.0150
CB6.2.....	0.0470	0.0262	0.0100	0.0710	0.0381	0.0100
CB6.3.....	0.0570	0.0301	0.0140	0.1040	0.0414	0.0150
CB6.4.....	0.0450	0.0230	0.0095	0.0710	0.0366	0.0130
CB7.3.....	0.0410	0.0230	0.0060	0.0640	0.0339	0.0125
CB7.4.....	0.0400	0.0243	0.0060	0.1180	0.0421	0.0180
CB7.4N.....	0.0480	0.0273	0.0115	0.1320	0.0463	0.0125
CB8.1E.....	0.0560	0.0321	0.0180	0.0700	0.0390	0.0155
CB8.1.....	0.0510	0.0308	0.0140	0.0810	0.0392	0.0160
EE3.1.....	0.1070	0.0427	0.0110	0.0750	0.0389	0.0120
EE3.2.....	0.0620	0.0314	0.0090	0.1100	0.0452	0.0130
CB7.1N.....	0.0450	0.0261	0.0110	0.1620	0.0525	0.0180
CB7.1.....	0.0730	0.0272	0.0060	0.1030	0.0442	0.0170
CB7.1S.....	0.1040	0.0286	0.0070	0.1020	0.0394	0.0035
CB5.4W.....	0.0740	0.0324	0.0120	0.0650	0.0329	0.0100
CB7.2.....	0.0450	0.0257	0.0100	0.1150	0.0481	0.0150
CB7.2E.....	0.0500	0.0282	0.0070	0.0770	0.0349	0.0080
CB7.3E.....	0.0460	0.0261	0.0160	0.0660	0.0354	0.0160
LE3.6.....	0.0850	0.0317	0.0140	0.0760	0.0316	0.0120
LE3.7.....	0.0700	0.0304	0.0100	0.0690	0.0307	0.0110
WE4.1.....	0.0560	0.0293	0.0120	0.0690	0.0340	0.0120
WE4.2.....	0.0590	0.0329	0.0180	0.0830	0.0466	0.0230
WE4.3.....	0.0560	0.0330	0.0110	0.0740	0.0351	0.0110
WE4.4.....	0.0610	0.0328	0.0150	0.0660	0.0351	0.0120
LE5.5.....	0.0750	0.0436	0.0270	0.0910	0.0534	0.0270

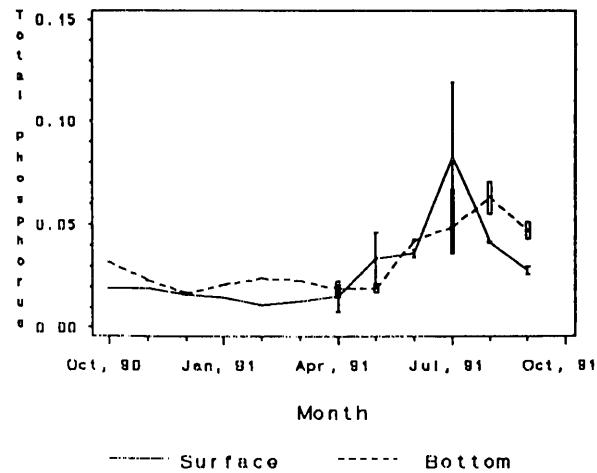
Station Id=CB5.4



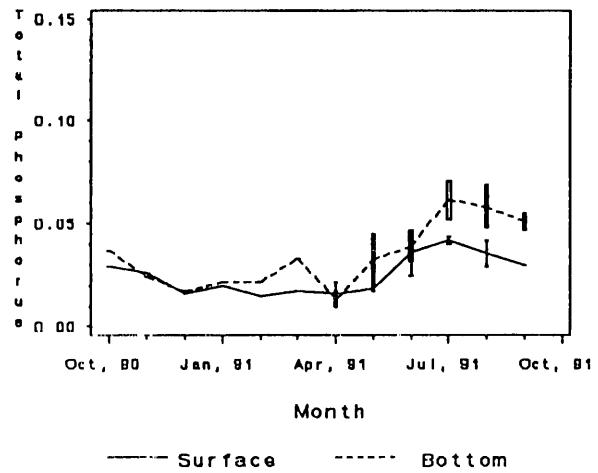
Station Id=CB5.5



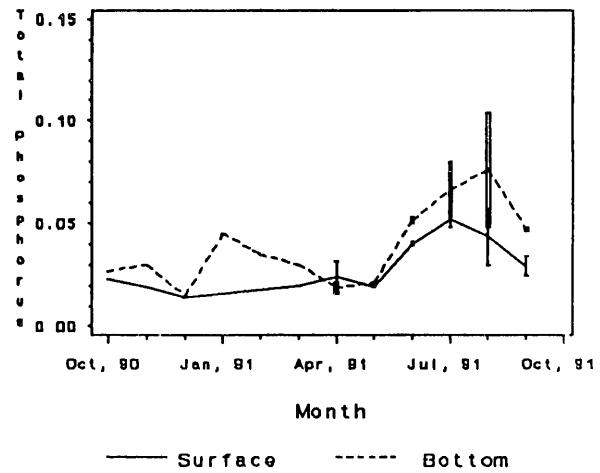
Station Id=CB6.1



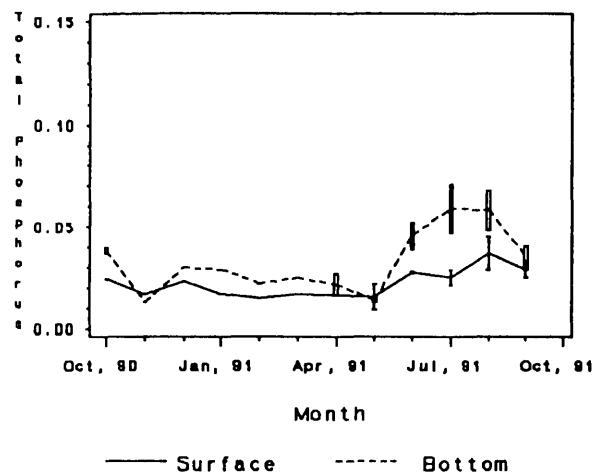
Station Id=CB6.2



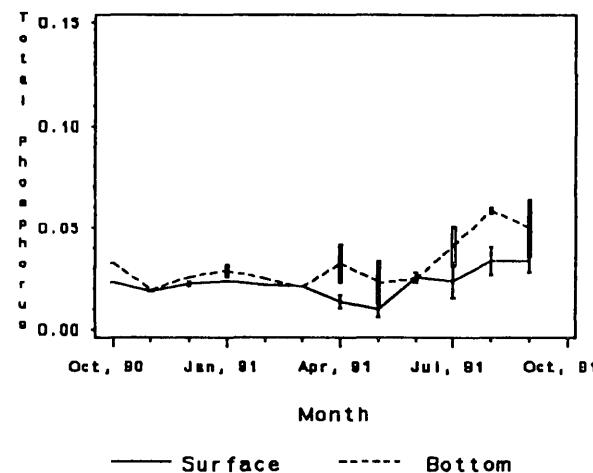
Station Id=CB6.3



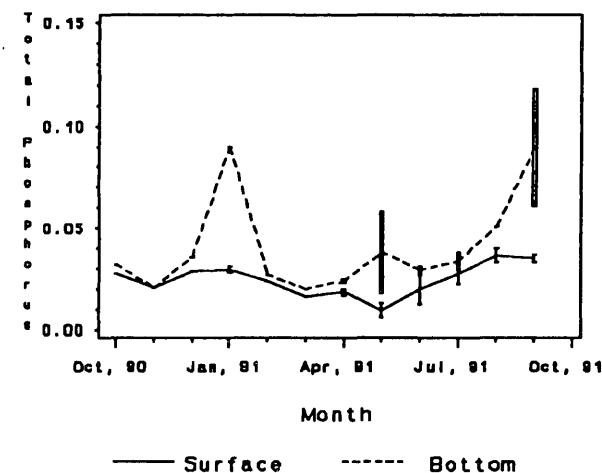
Station Id=CB6.4



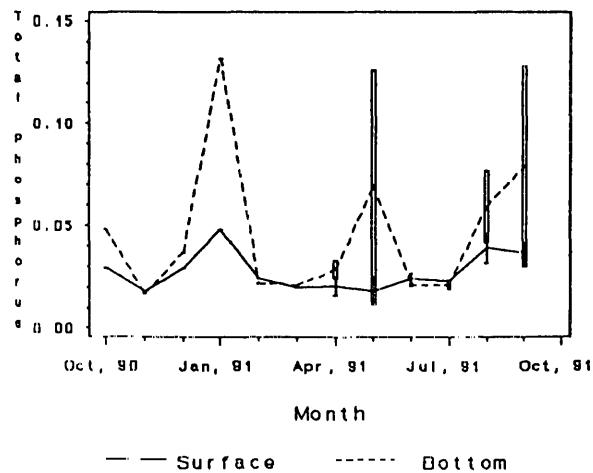
Station Id=CB7.3



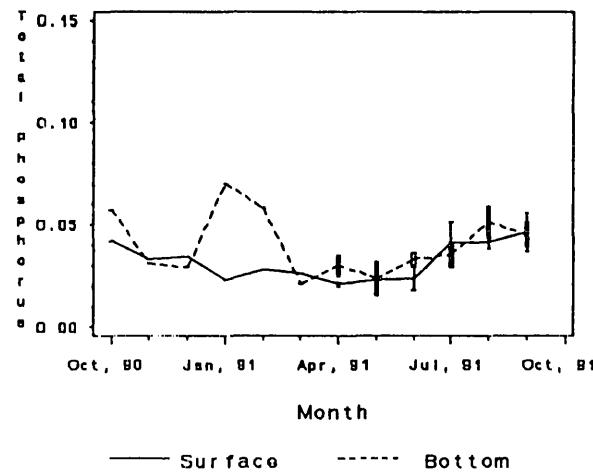
Station Id=CB7.4



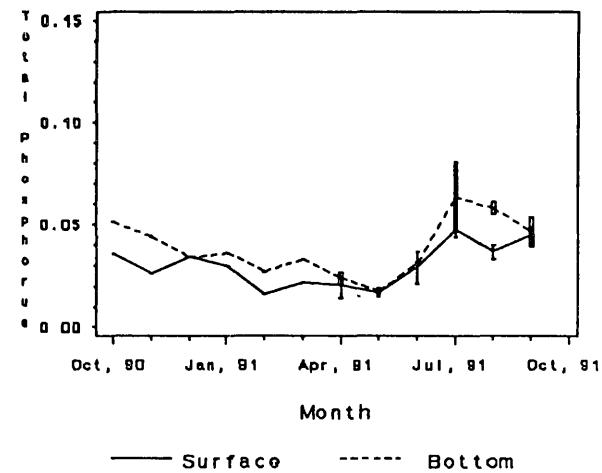
Station Id=CB7.4N



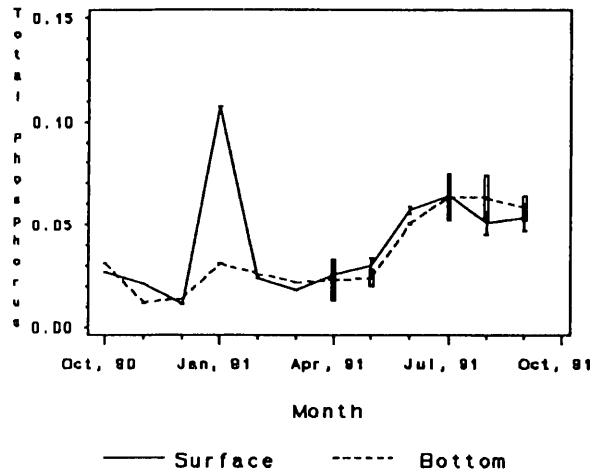
Station Id=CB8.1E



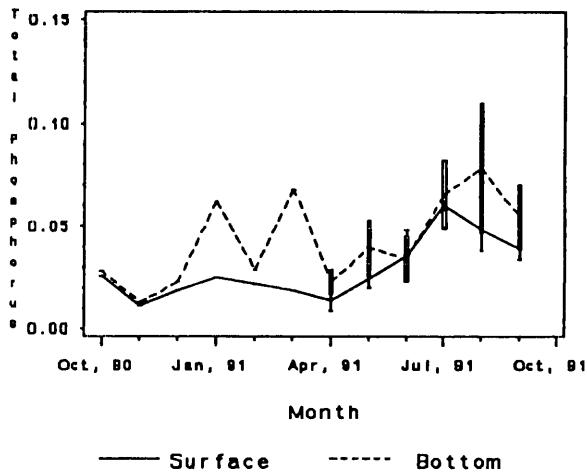
Station Id=CB8.1



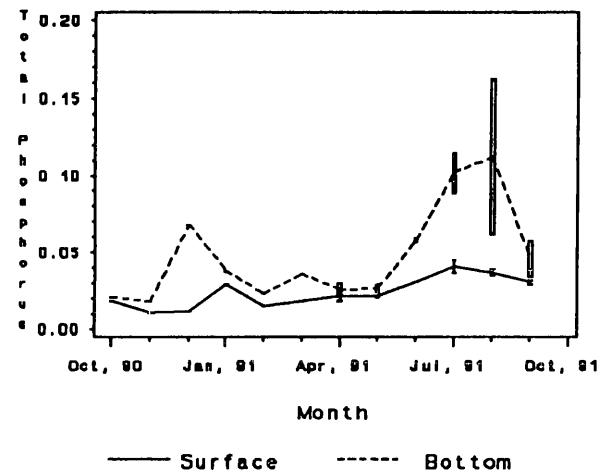
Station Id=EE3.1



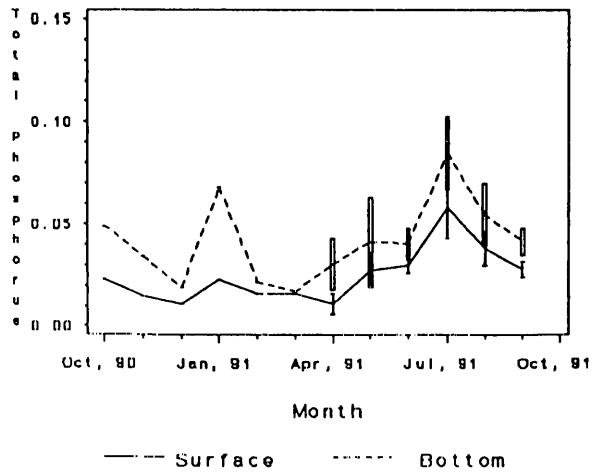
Station Id=EE3.2



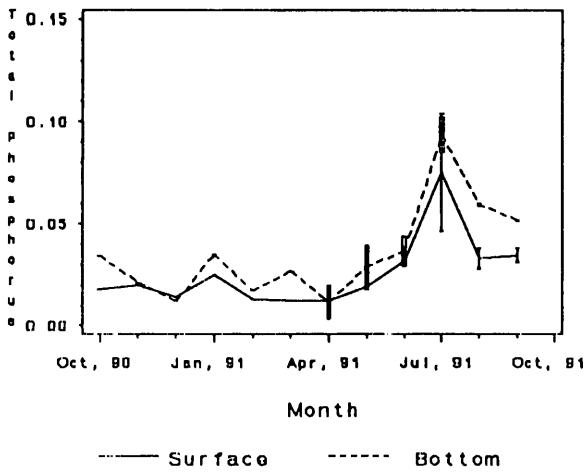
Station Id=CB7.1N



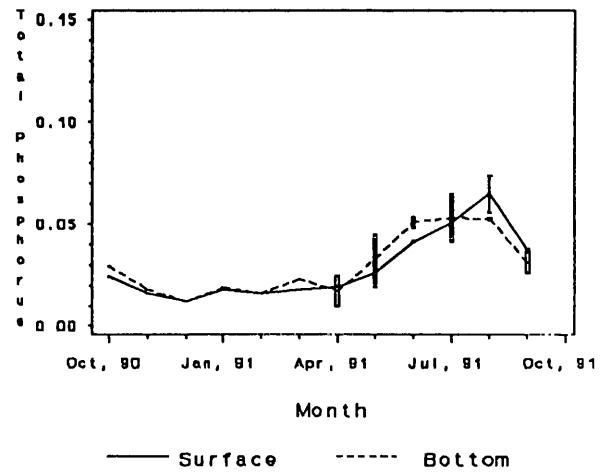
Station Id=CB7.1



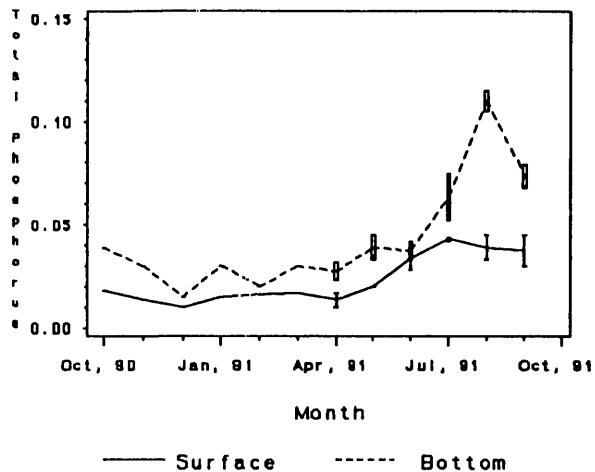
Station Id=CB7.1S



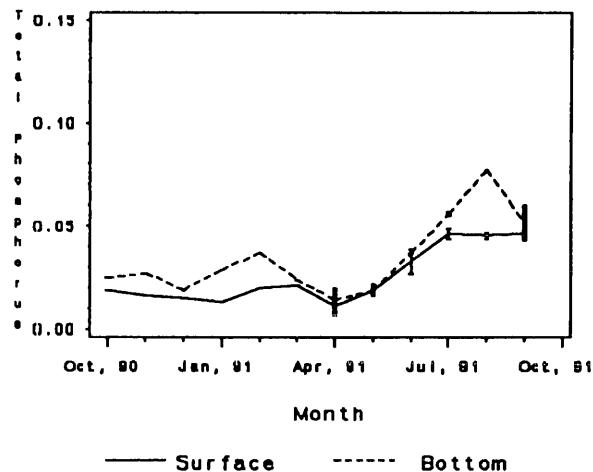
Station Id=CB5.4W



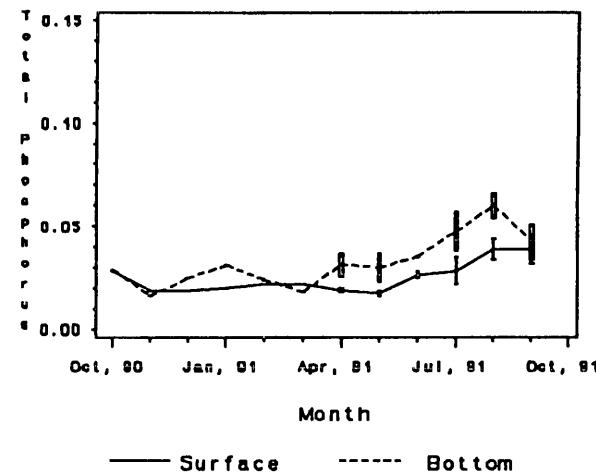
Station Id=CB7.2



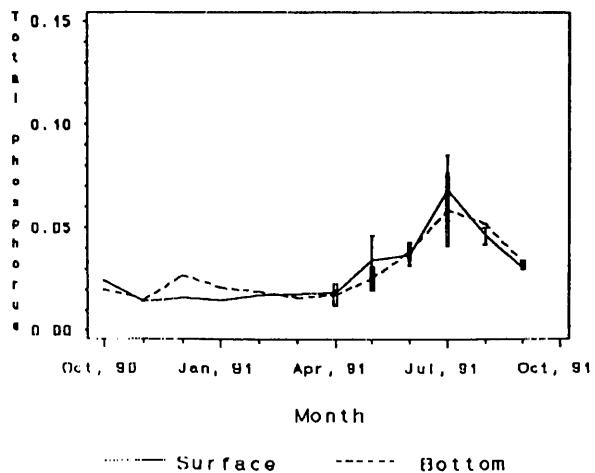
Station Id=CB7.2E



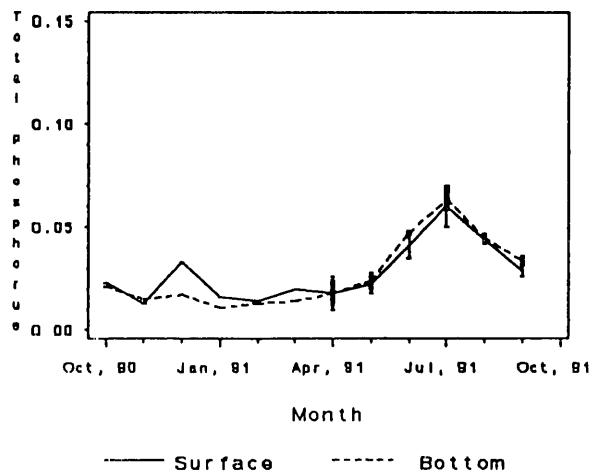
Station Id=CB7.3E



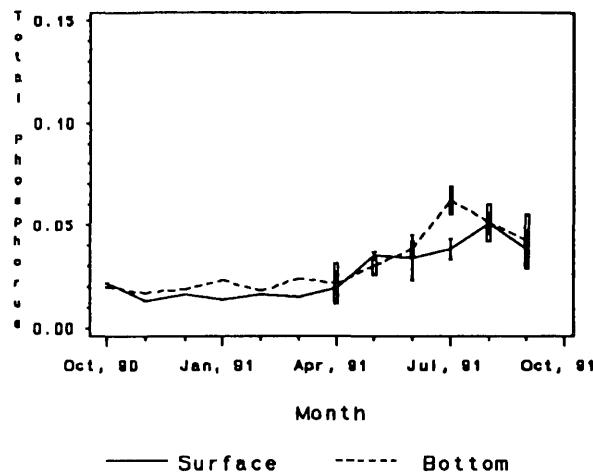
Station Id=LE3.6



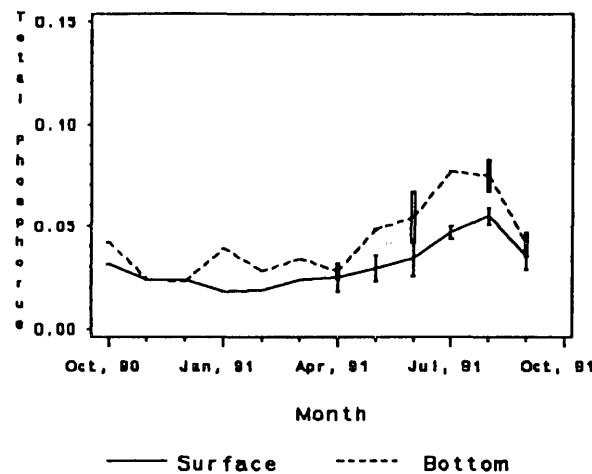
Station Id=LE3.7



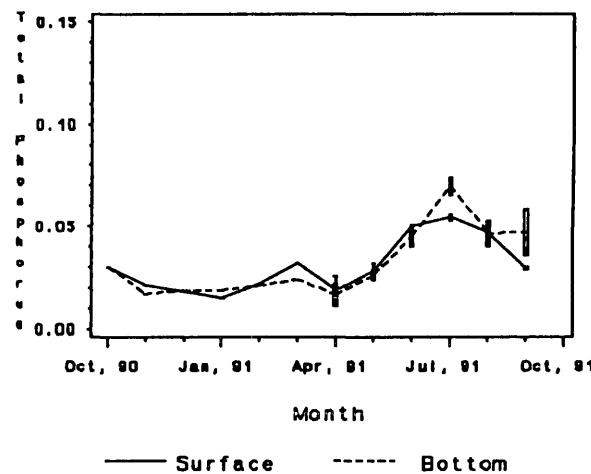
Station Id=WE4.1



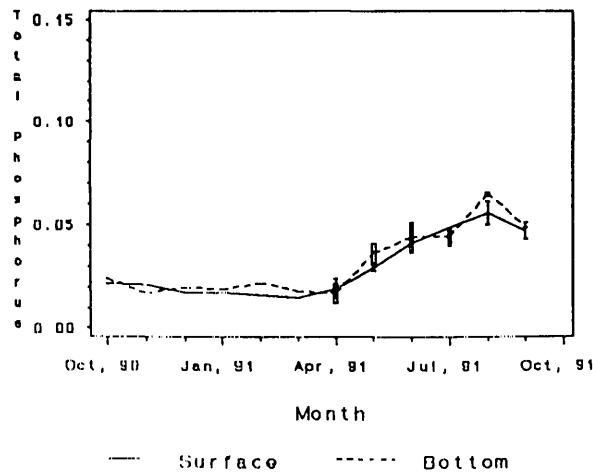
Station Id=WE4.2



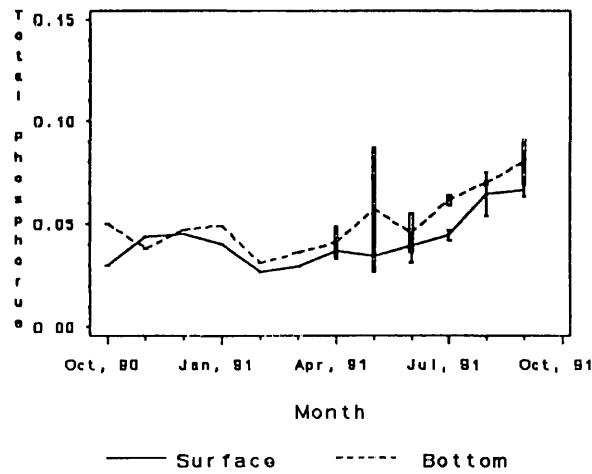
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5

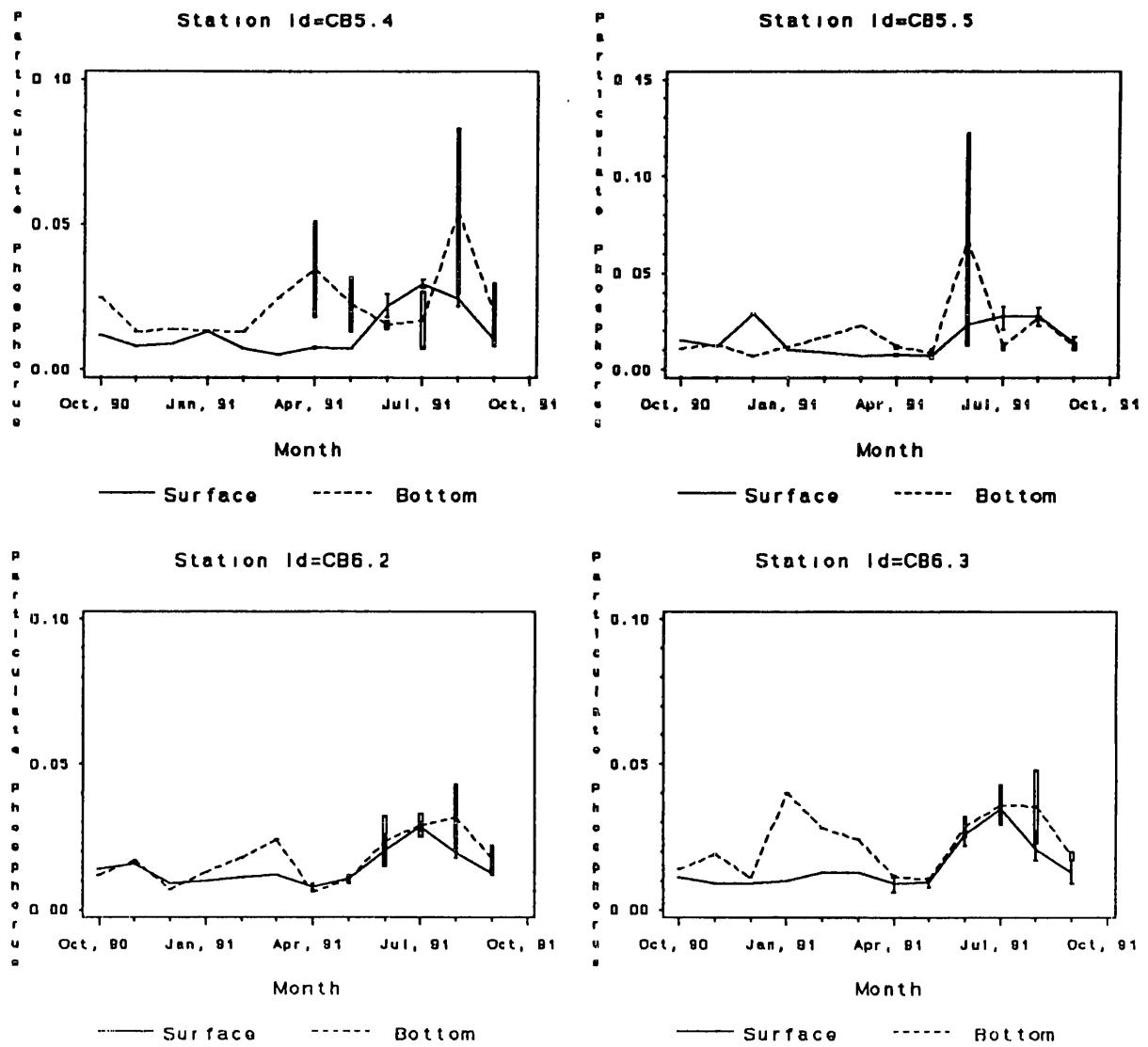


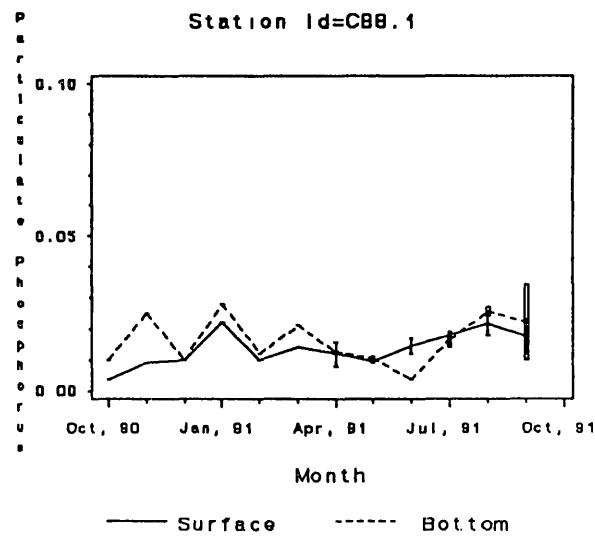
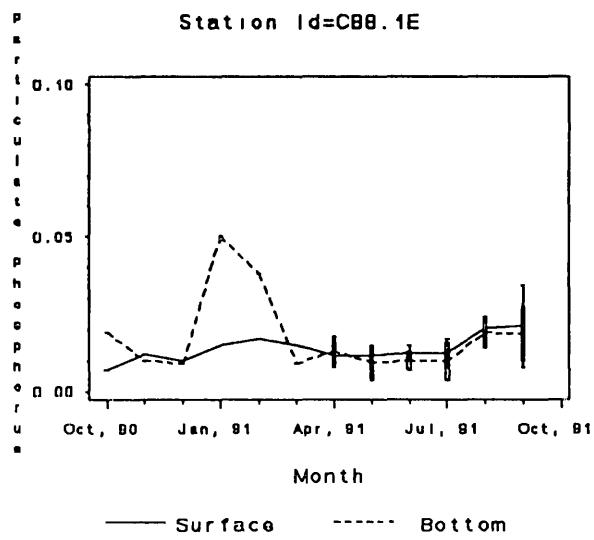
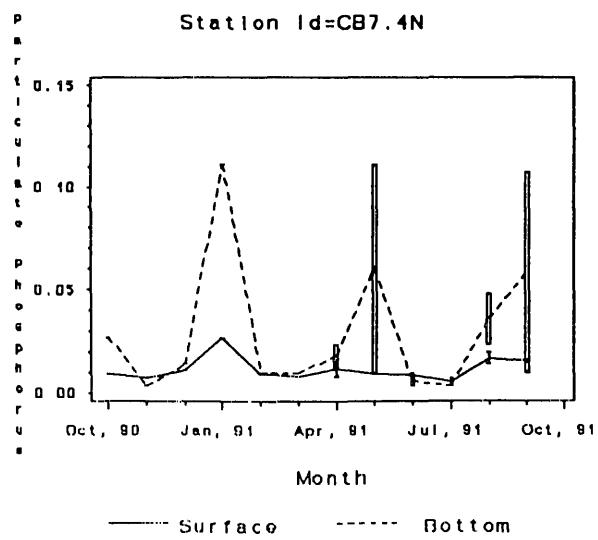
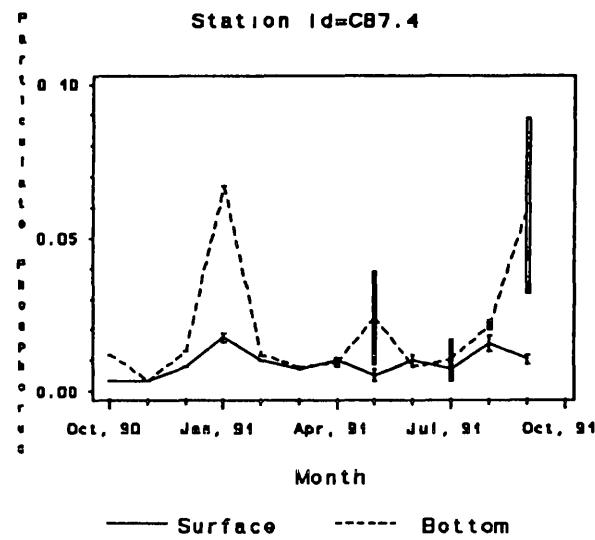
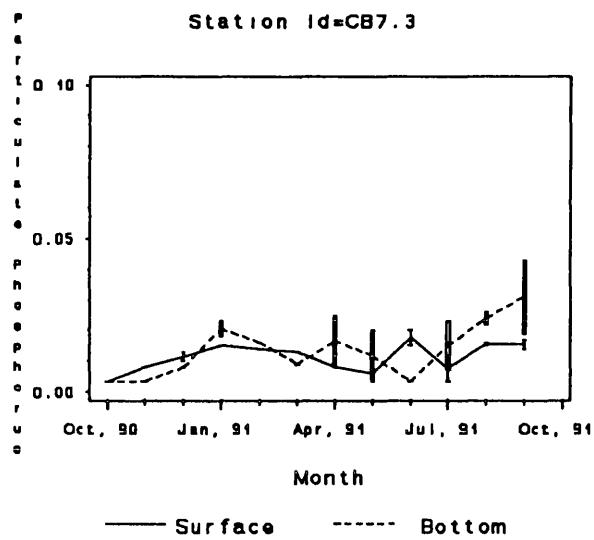
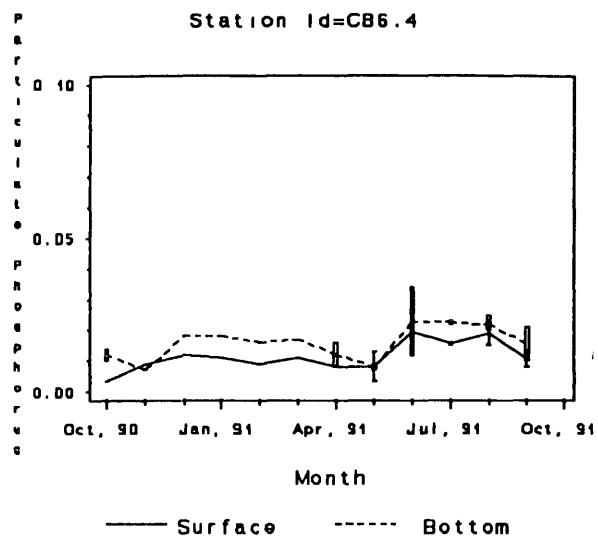
PARTICULATE PHOSPHORUS

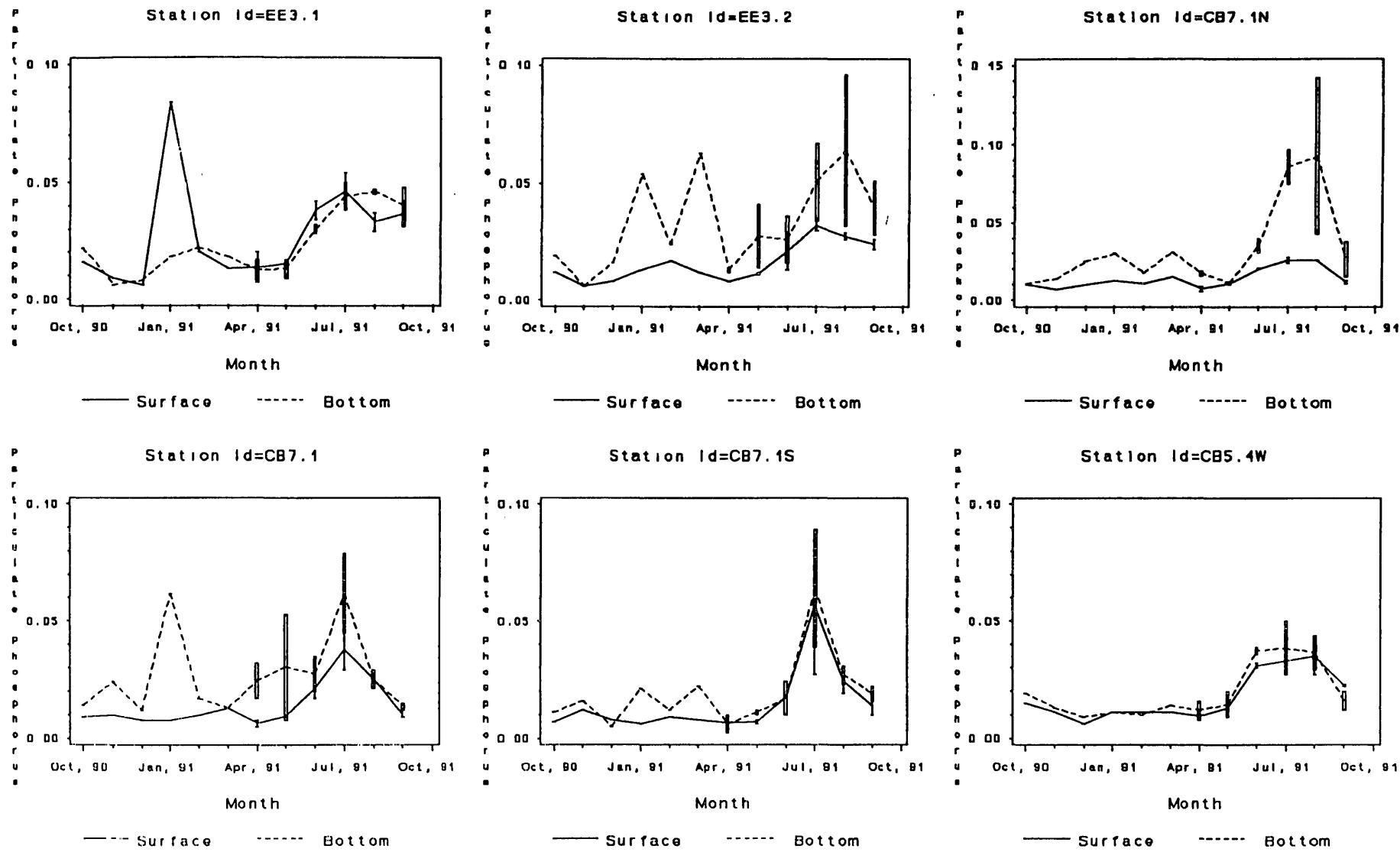
Values reported as mg/l.

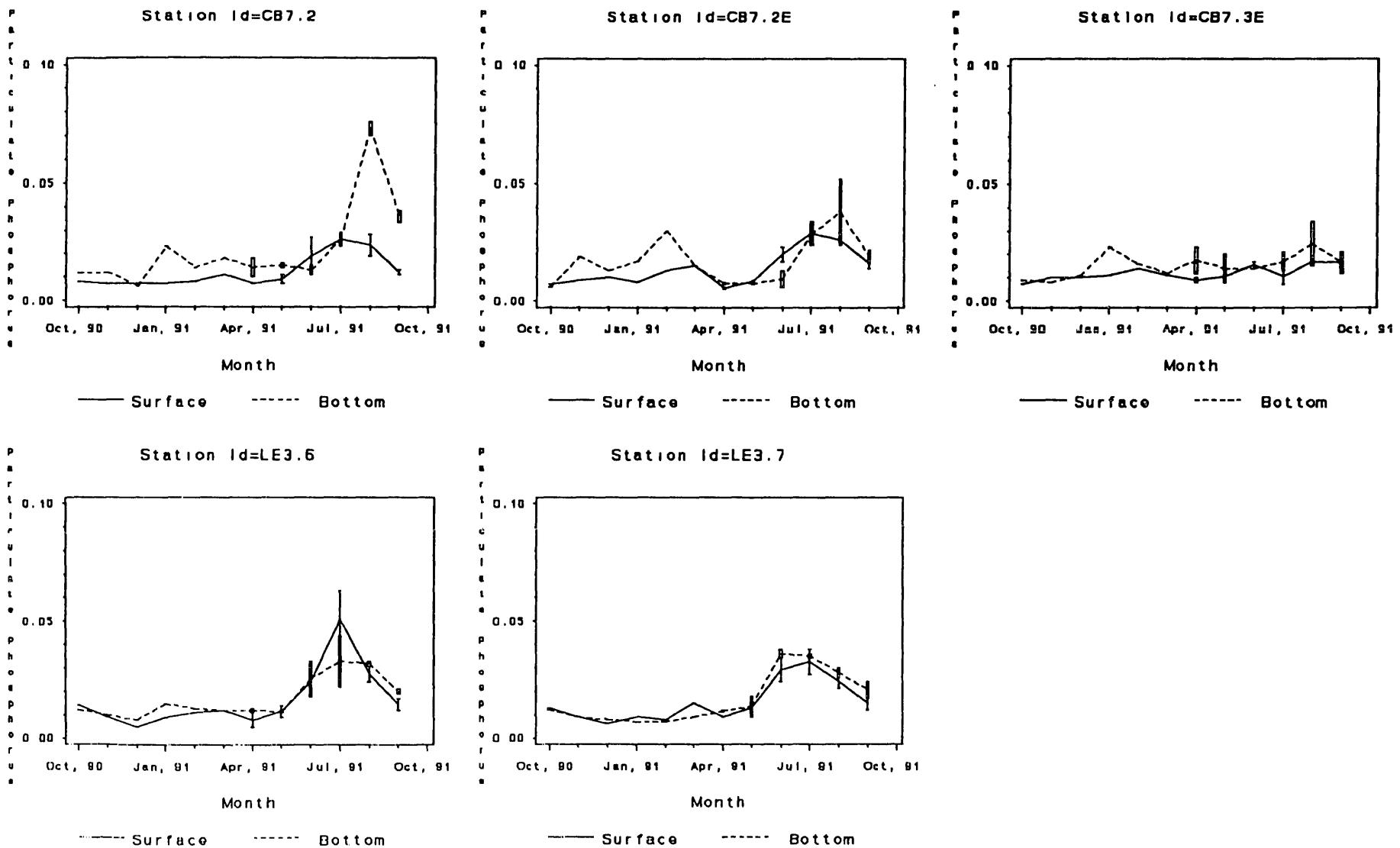
Particulate Phosphorus
 October, 1990 - September, 1991

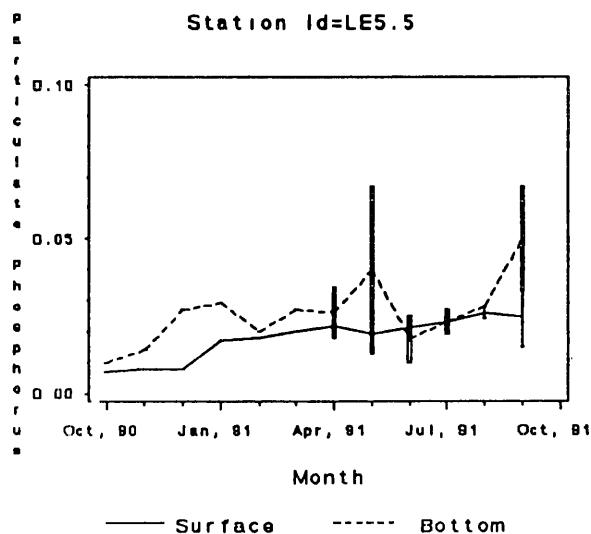
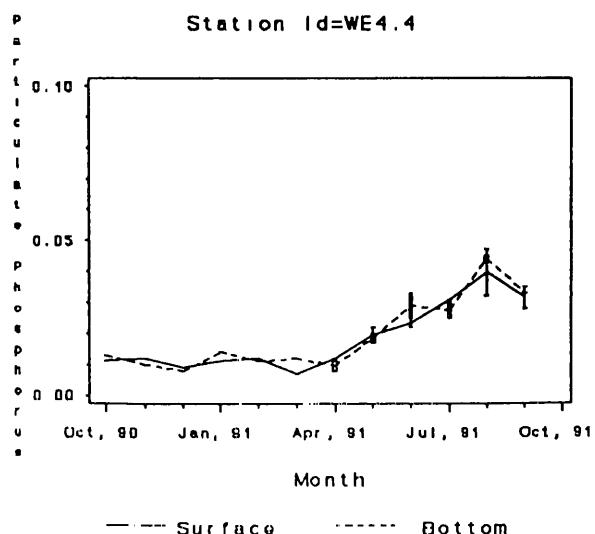
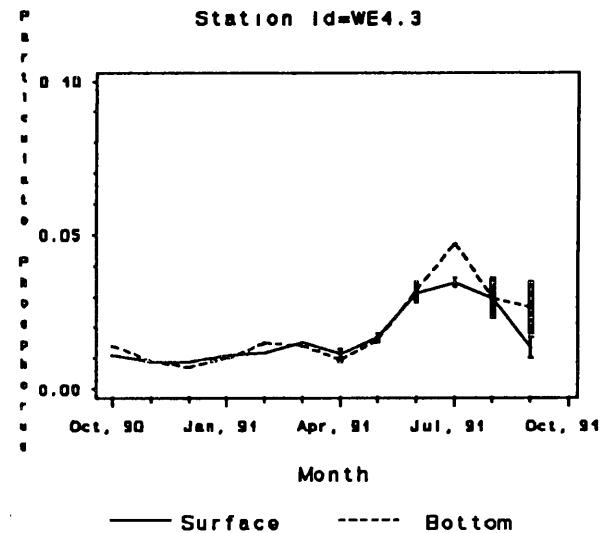
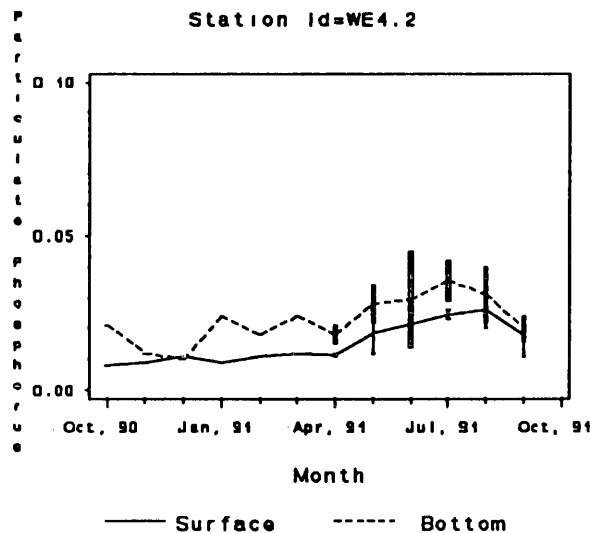
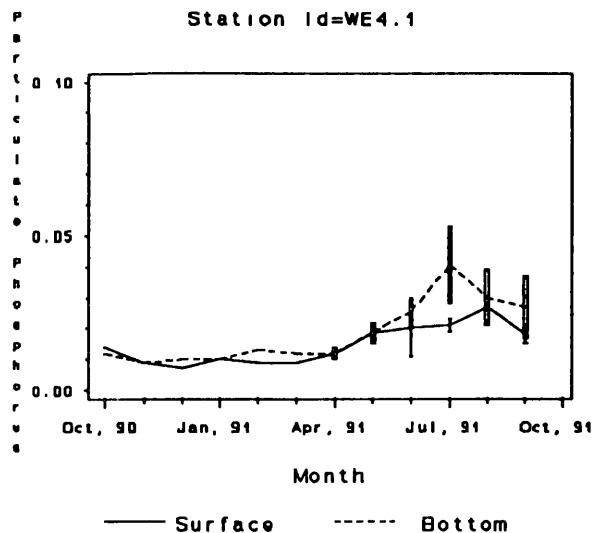
	Particulate Phosphorus (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	0.0310	0.0142	0.0050	0.0830	0.0245	0.0070
CB5.5.....	0.0330	0.0162	0.0060	0.1220	0.0205	0.0060
CB6.1.....	0.0310	0.0145	0.0060	0.0300	0.0174	0.0060
CB6.2.....	0.0300	0.0148	0.0070	0.0430	0.0189	0.0060
CB6.3.....	0.0360	0.0164	0.0060	0.0480	0.0232	0.0100
CB6.4.....	0.0230	0.0121	0.0035	0.0340	0.0166	0.0070
CB7.3.....	0.0200	0.0110	0.0035	0.0430	0.0154	0.0035
CB7.4.....	0.0190	0.0098	0.0035	0.0890	0.0213	0.0035
CB7.4N.....	0.0270	0.0115	0.0035	0.1110	0.0300	0.0035
CB8.1E.....	0.0340	0.0142	0.0070	0.0500	0.0163	0.0035
CB8.1.....	0.0250	0.0141	0.0035	0.0340	0.0159	0.0035
EE3.1.....	0.0840	0.0284	0.0060	0.0500	0.0258	0.0060
EE3.2.....	0.0340	0.0176	0.0060	0.0960	0.0347	0.0060
CB7.1N.....	0.0280	0.0151	0.0060	0.1420	0.0371	0.0110
CB7.1.....	0.0470	0.0155	0.0050	0.0790	0.0283	0.0080
CB7.1S.....	0.0870	0.0167	0.0060	0.0890	0.0209	0.0025
CB5.4W.....	0.0430	0.0196	0.0060	0.0500	0.0214	0.0080
CB7.2.....	0.0280	0.0134	0.0070	0.0760	0.0243	0.0060
CB7.2E.....	0.0340	0.0151	0.0050	0.0520	0.0178	0.0060
CB7.3E.....	0.0210	0.0123	0.0070	0.0340	0.0159	0.0080
LE3.6.....	0.0630	0.0185	0.0050	0.0440	0.0188	0.0080
LE3.7.....	0.0380	0.0169	0.0060	0.0380	0.0189	0.0070
WE4.1.....	0.0290	0.0162	0.0070	0.0530	0.0208	0.0090
WE4.2.....	0.0320	0.0166	0.0080	0.0450	0.0241	0.0100
WE4.3.....	0.0360	0.0189	0.0090	0.0470	0.0217	0.0070
WE4.4.....	0.0470	0.0209	0.0070	0.0450	0.0217	0.0080
LE5.5.....	0.0340	0.0193	0.0070	0.0670	0.0276	0.0100









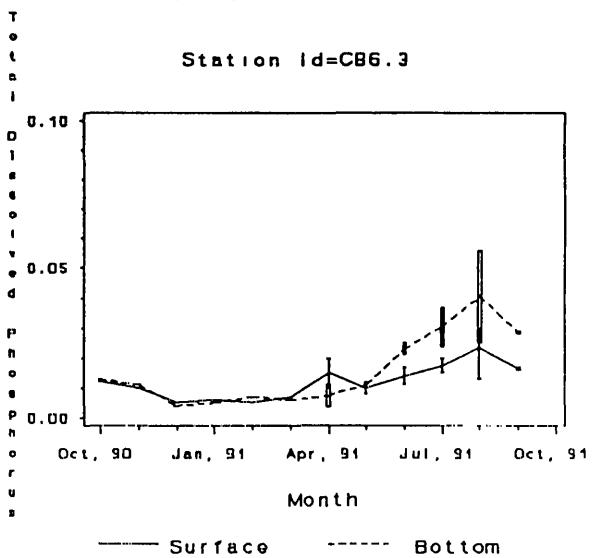
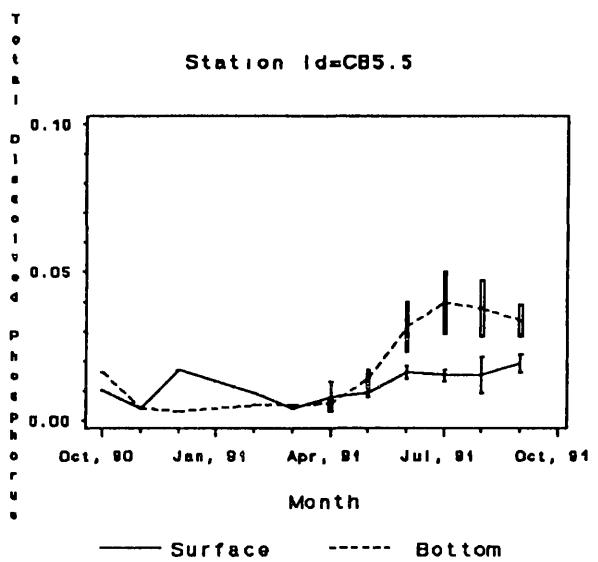
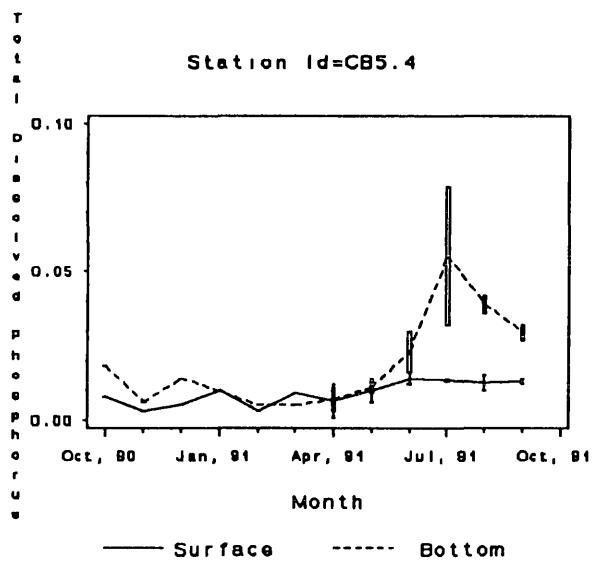
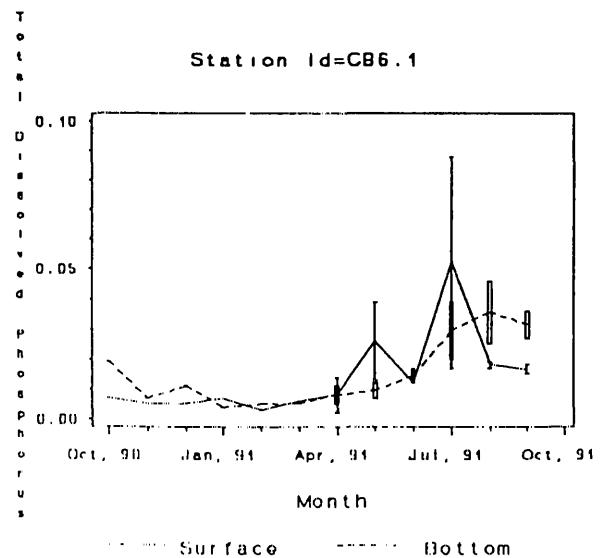


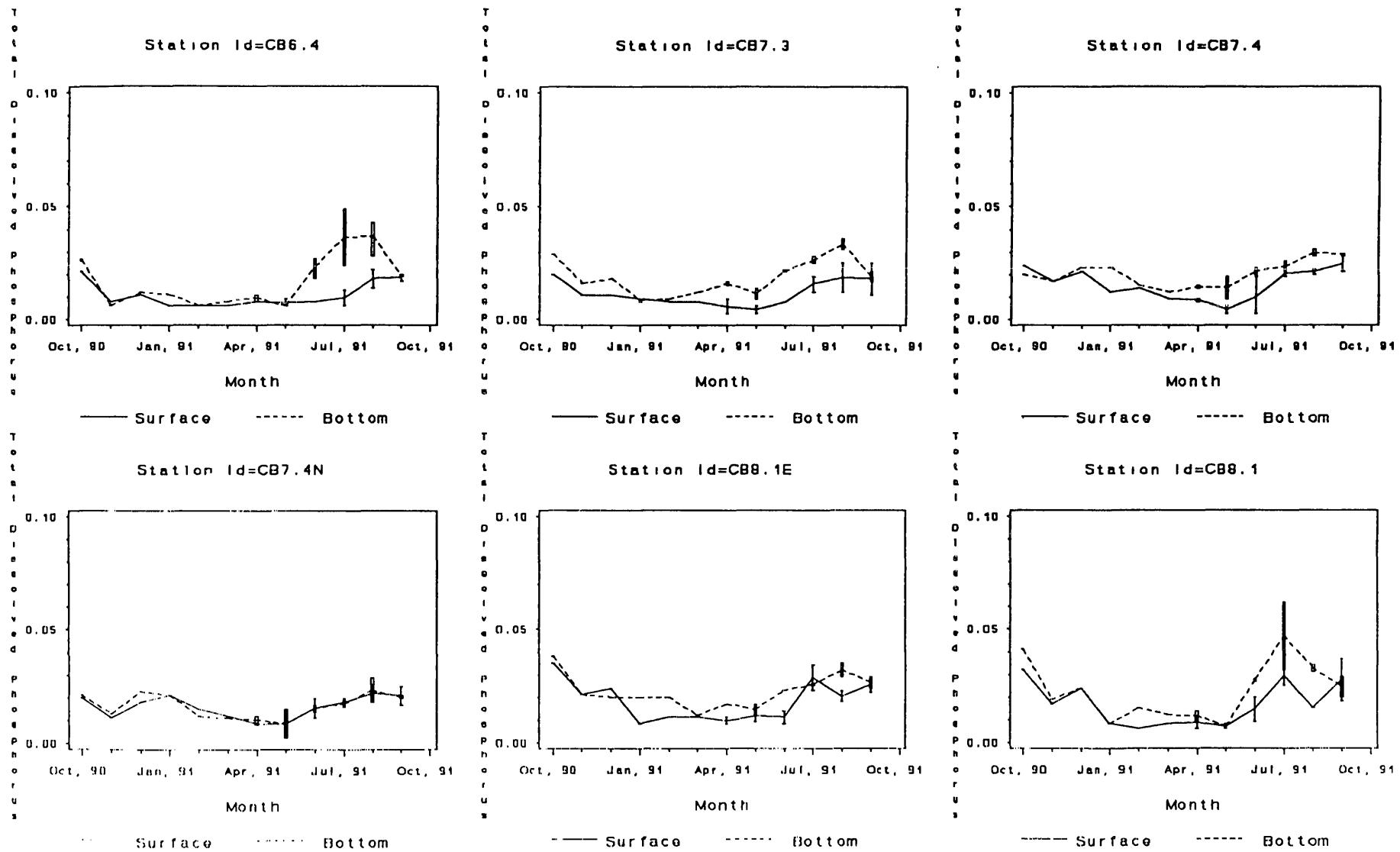
TOTAL DISSOLVED PHOSPHORUS

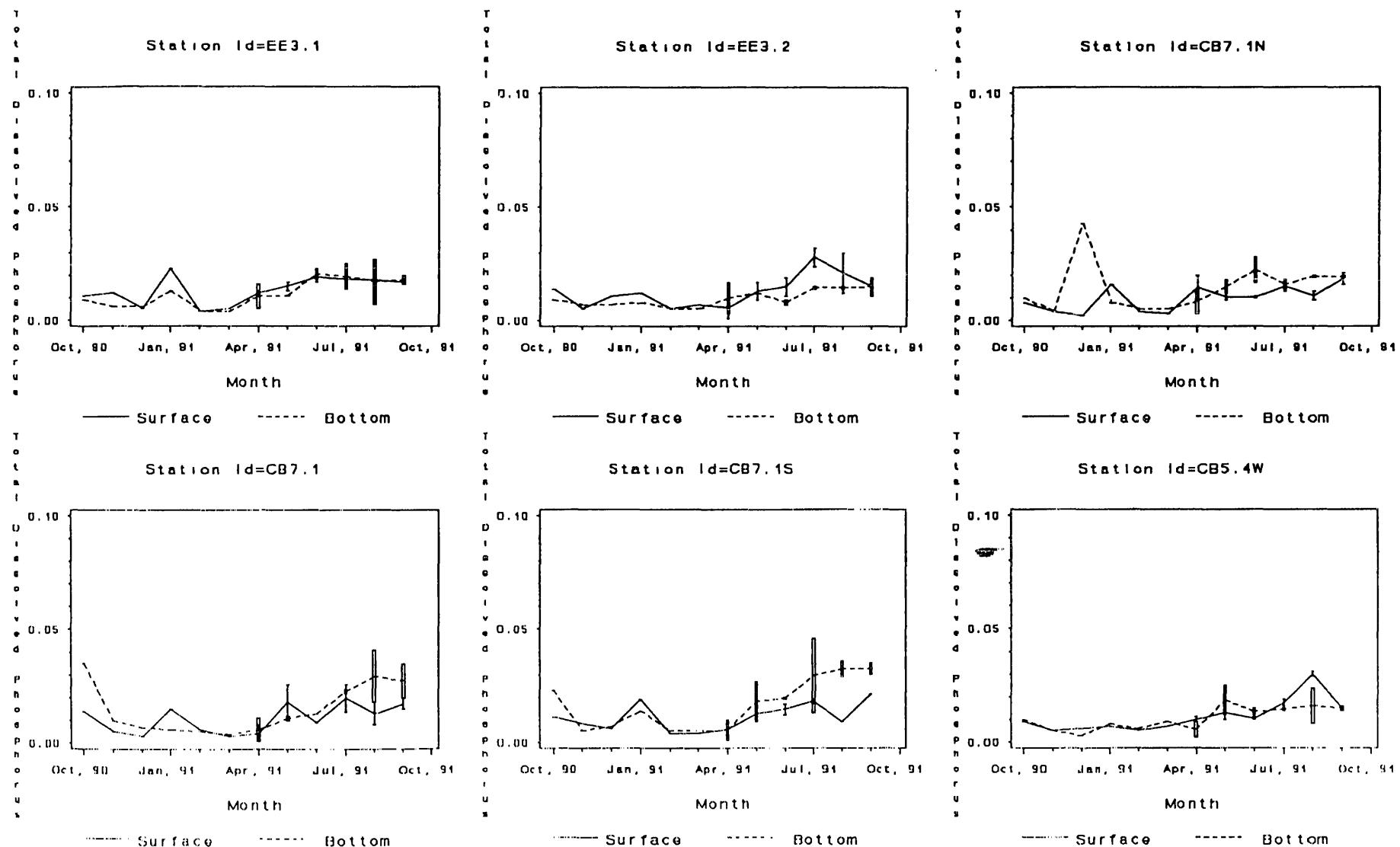
Values reported as mg/l.

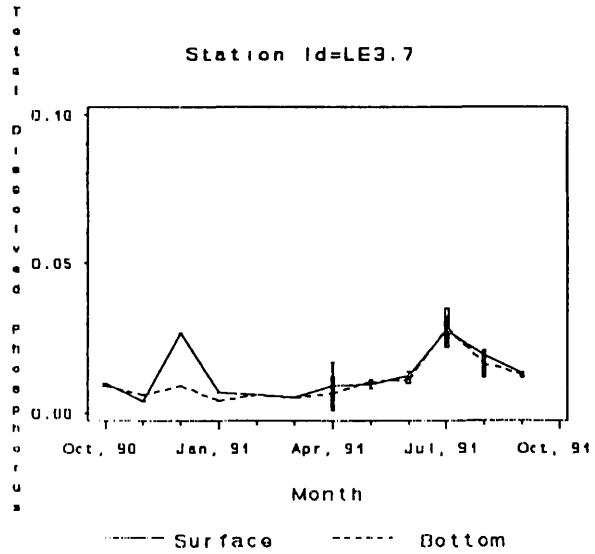
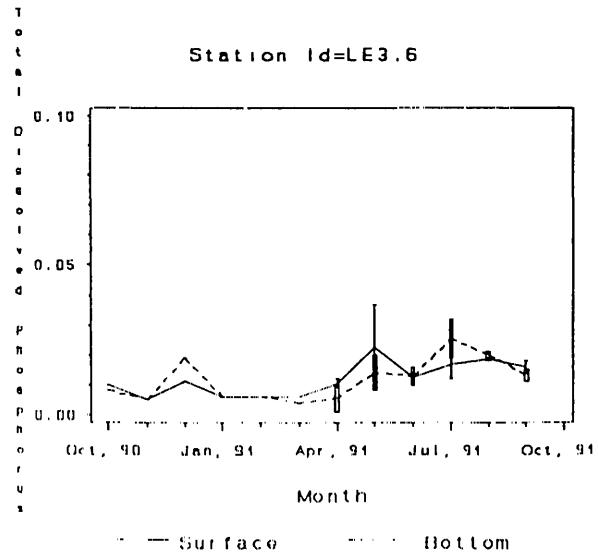
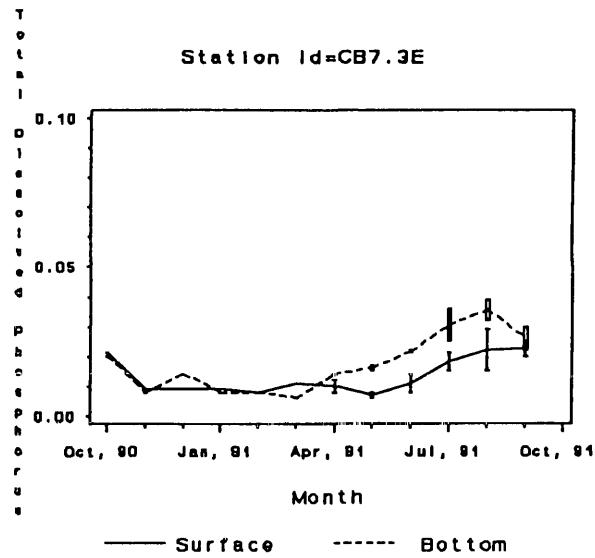
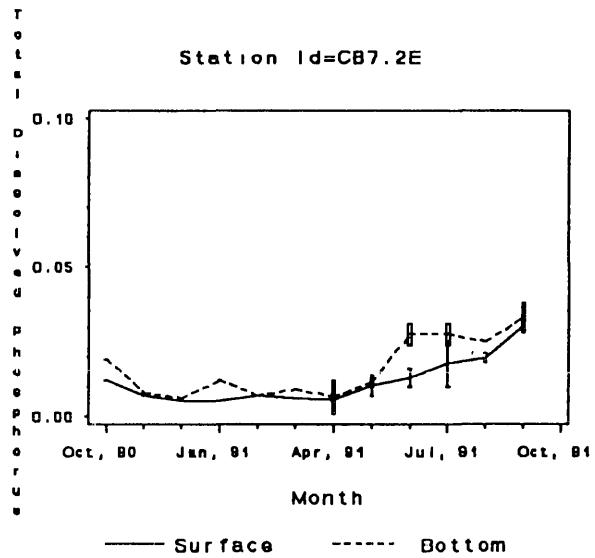
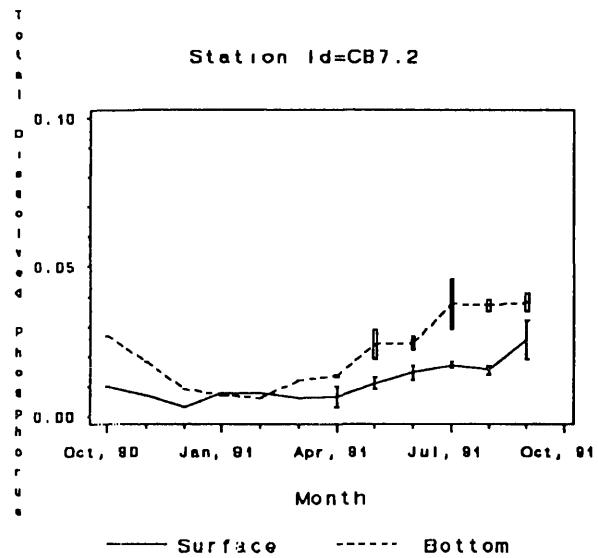
Total Dissolved Phosphorus
October, 1990 - September, 1991

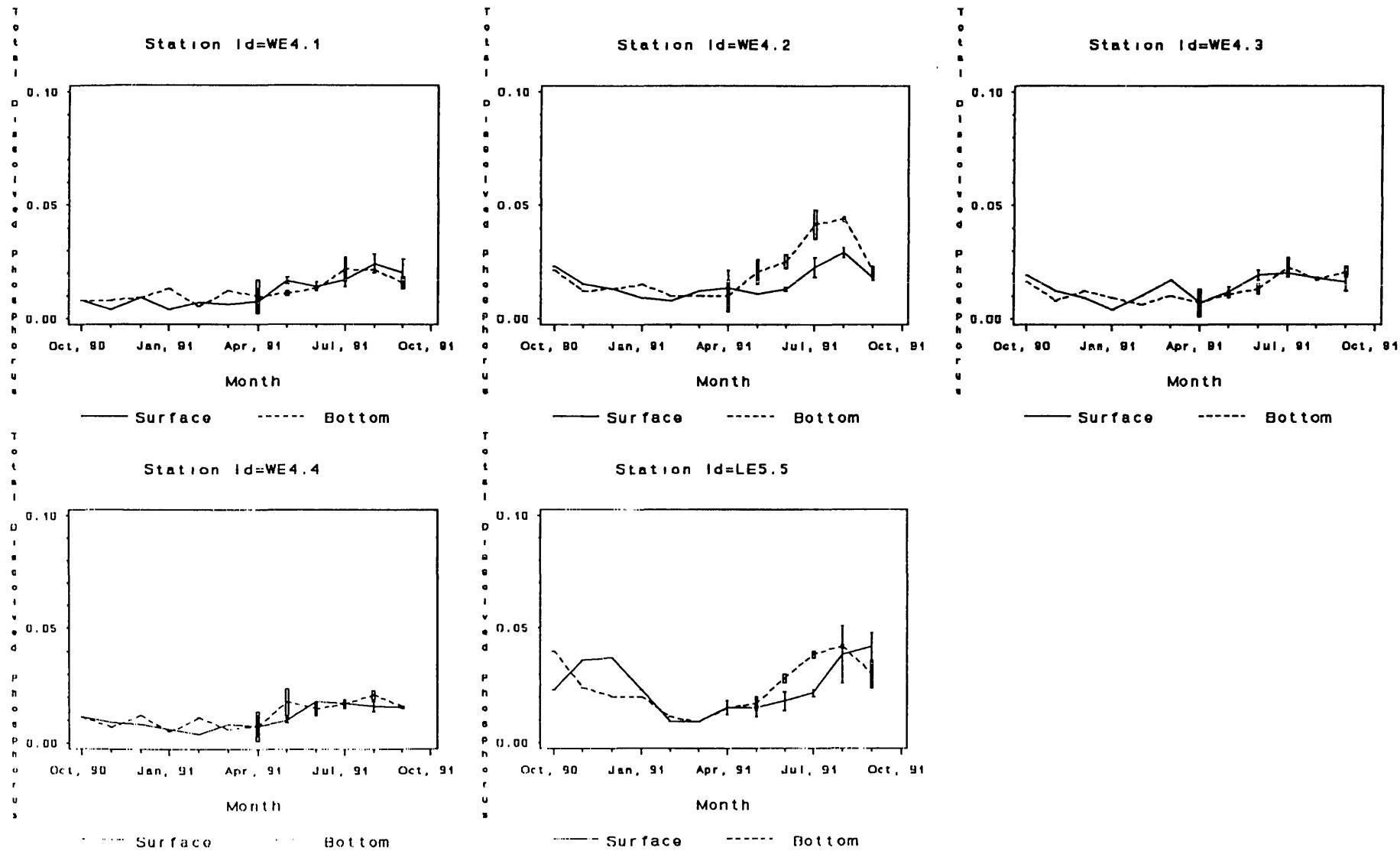
	Total Dissolved Phosphorus (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	0.0160	0.0098	0.0010	0.0790	0.0222	0.0030
CB5.5.....	0.0220	0.0122	0.0030	0.0500	0.0209	0.0030
CB6.1.....	0.0880	0.0162	0.0020	0.0460	0.0177	0.0040
CB6.2.....	0.0210	0.0114	0.0010	0.0380	0.0192	0.0040
CB6.3.....	0.0300	0.0137	0.0050	0.0560	0.0182	0.0040
CB6.4.....	0.0220	0.0109	0.0060	0.0490	0.0200	0.0060
CB7.3.....	0.0250	0.0120	0.0025	0.0360	0.0188	0.0080
CB7.4.....	0.0280	0.0145	0.0025	0.0310	0.0208	0.0090
CB7.4N.....	0.0260	0.0158	0.0025	0.0290	0.0163	0.0025
CB8.1E.....	0.0350	0.0179	0.0080	0.0380	0.0227	0.0120
CB8.1.....	0.0370	0.0166	0.0060	0.0620	0.0233	0.0060
EE3.1.....	0.0270	0.0143	0.0040	0.0270	0.0131	0.0040
EE3.2.....	0.0320	0.0138	0.0010	0.0190	0.0105	0.0030
CB7.1N.....	0.0210	0.0109	0.0020	0.0430	0.0154	0.0030
CB7.1.....	0.0260	0.0117	0.0010	0.0410	0.0159	0.0010
CB7.1S.....	0.0210	0.0118	0.0010	0.0460	0.0186	0.0010
CB5.4W.....	0.0310	0.0128	0.0050	0.0250	0.0115	0.0020
CB7.2.....	0.0320	0.0123	0.0030	0.0460	0.0238	0.0060
CB7.2E.....	0.0320	0.0131	0.0010	0.0380	0.0175	0.0010
CB7.3E.....	0.0290	0.0138	0.0060	0.0390	0.0195	0.0060
LE3.6.....	0.0370	0.0132	0.0050	0.0320	0.0128	0.0010
LE3.7.....	0.0320	0.0134	0.0010	0.0350	0.0117	0.0010
WE4.1.....	0.0280	0.0131	0.0020	0.0270	0.0132	0.0020
WE4.2.....	0.0310	0.0163	0.0060	0.0480	0.0225	0.0030
WE4.3.....	0.0210	0.0141	0.0010	0.0270	0.0134	0.0010
WE4.4.....	0.0180	0.0119	0.0030	0.0240	0.0134	0.0010
LE5.5.....	0.0510	0.0243	0.0090	0.0430	0.0258	0.0090











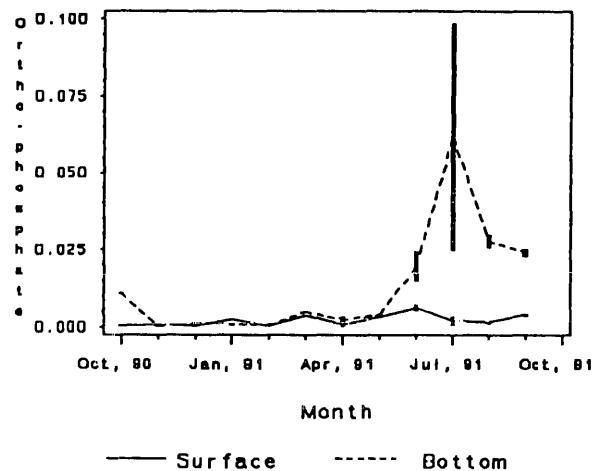
ORTHO-PHOSPHATE

Values reported as mg/l.

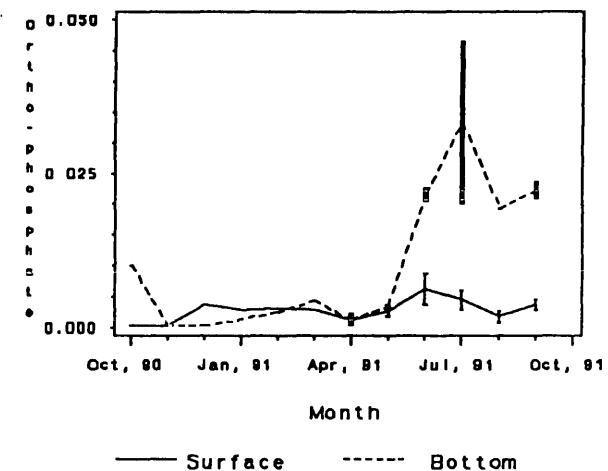
Ortho-phosphate
October, 1990 - September, 1991

	Ortho-phosphate (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	0.0069	0.0024	0.0003	0.0984	0.0175	0.0003
CB5.5.....	0.0088	0.0031	0.0003	0.0464	0.0129	0.0003
CB6.1.....	0.0060	0.0022	0.0003	0.0346	0.0117	0.0006
CB6.2.....	0.0060	0.0027	0.0003	0.0323	0.0112	0.0009
CB6.3.....	0.0103	0.0031	0.0003	0.0301	0.0099	0.0003
CB6.4.....	0.0170	0.0061	0.0025	0.0430	0.0155	0.0025
CB7.3.....	0.0130	0.0059	0.0025	0.0300	0.0139	0.0025
CB7.4.....	0.0170	0.0080	0.0025	0.0250	0.0141	0.0060
CB7.4N.....	0.0150	0.0087	0.0025	0.0170	0.0106	0.0060
CB8.1E.....	0.0270	0.0094	0.0025	0.0310	0.0175	0.0080
CB8.1.....	0.0210	0.0088	0.0025	0.0370	0.0163	0.0025
EE3.1.....	0.0099	0.0035	0.0003	0.0044	0.0023	0.0003
EE3.2.....	0.0075	0.0026	0.0003	0.0090	0.0037	0.0003
CB7.1N.....	0.0066	0.0023	0.0003	0.0116	0.0048	0.0003
CB7.1.....	0.0087	0.0032	0.0003	0.0275	0.0087	0.0003
CB7.1S.....	0.0085	0.0032	0.0003	0.0383	0.0128	0.0003
CB5.4W.....	0.0056	0.0023	0.0003	0.0057	0.0029	0.0003
CB7.2.....	0.0177	0.0035	0.0003	0.0401	0.0158	0.0019
CB7.2E.....	0.0195	0.0046	0.0003	0.0229	0.0091	0.0003
CB7.3E.....	0.0160	0.0061	0.0025	0.0270	0.0136	0.0025
LE3.6.....	0.0075	0.0026	0.0003	0.0240	0.0035	0.0003
LE3.7.....	0.0056	0.0023	0.0003	0.0238	0.0035	0.0003
WE4.1.....	0.0066	0.0028	0.0003	0.0117	0.0044	0.0003
WE4.2.....	0.0217	0.0065	0.0010	0.0393	0.0124	0.0022
WE4.3.....	0.0096	0.0036	0.0003	0.0163	0.0042	0.0003
WE4.4.....	0.0075	0.0028	0.0003	0.0075	0.0028	0.0003
LE5.5.....	0.0400	0.0178	0.0060	0.0380	0.0198	0.0060

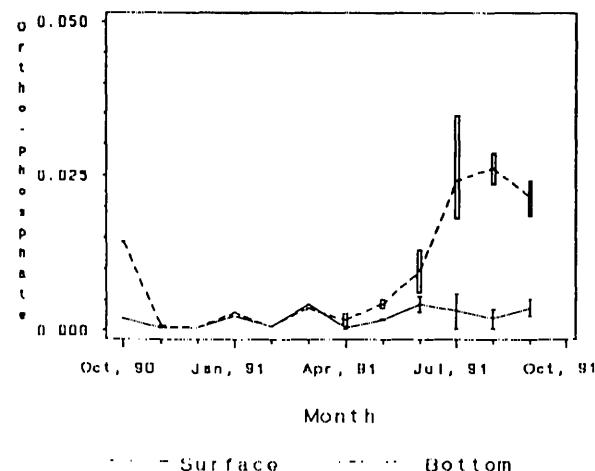
Station Id=CB5.4



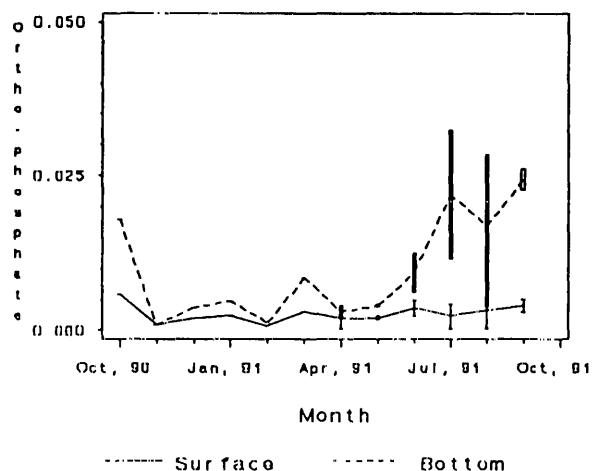
Station Id=CB5.5



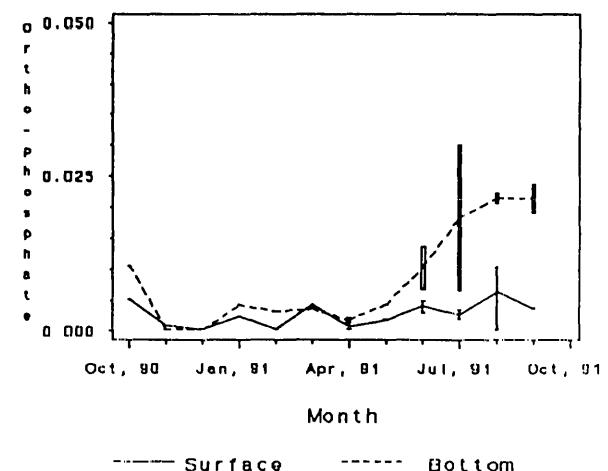
Station Id=CB6.1



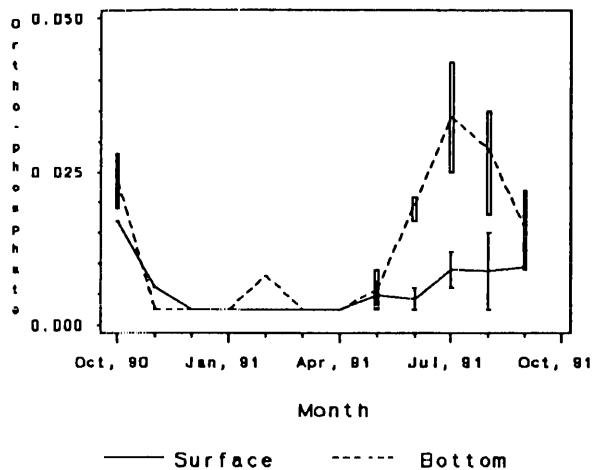
Station Id=CB6.2



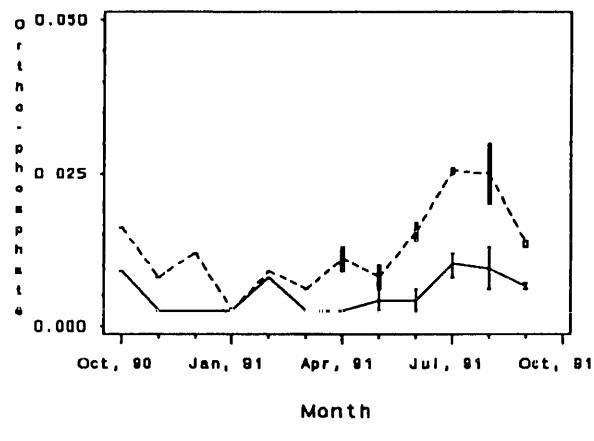
Station Id=CB6.3



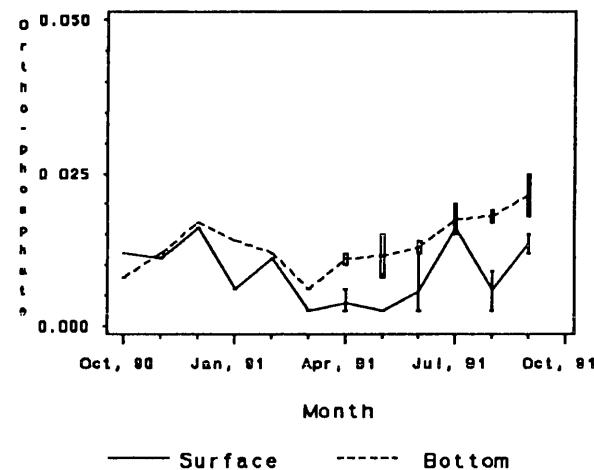
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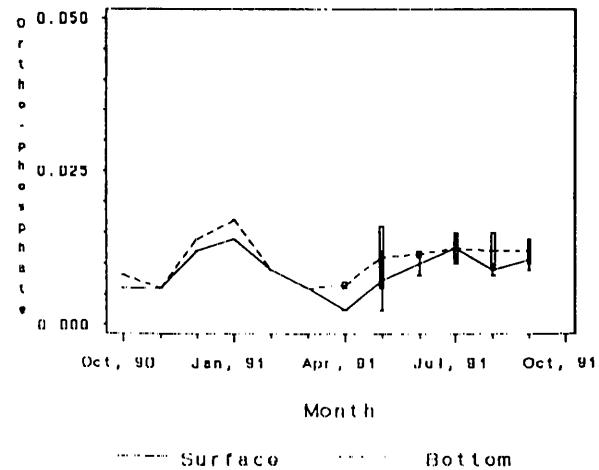
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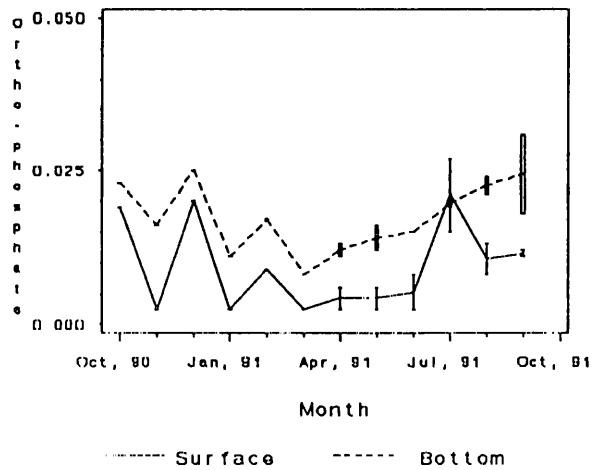
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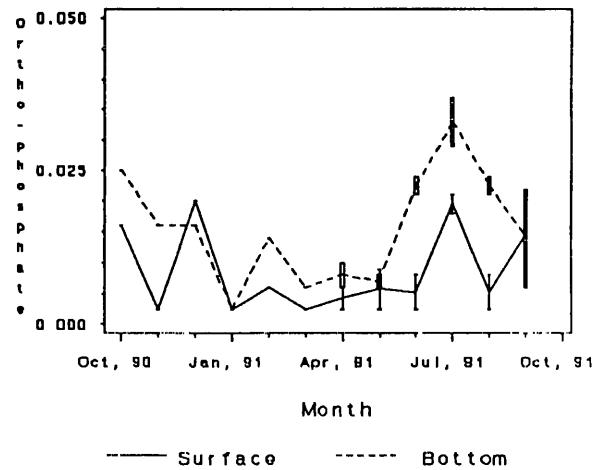
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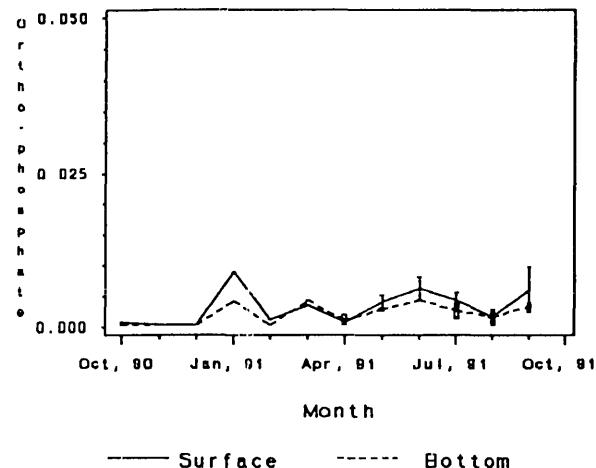
Station Id=CB8.1E



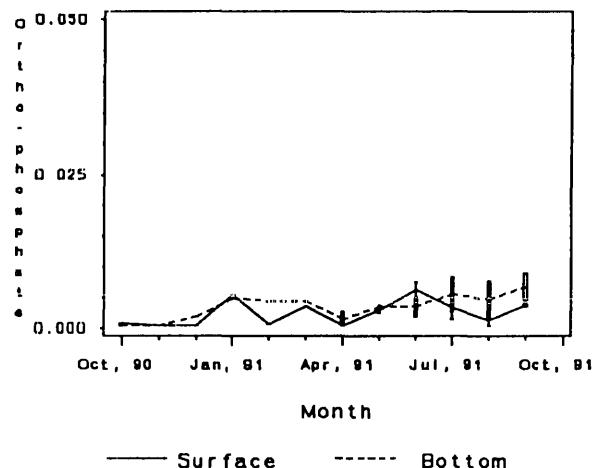
Station Id=CB8.1



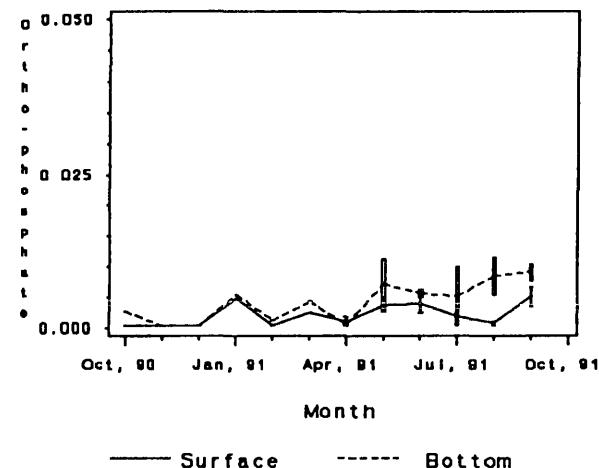
Station Id=EE3.1



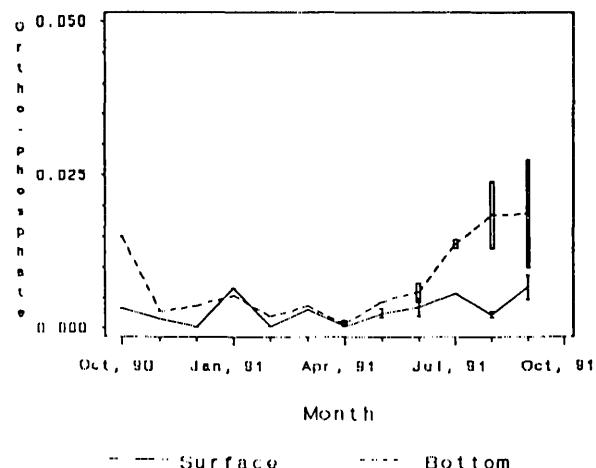
Station Id=EE3.2



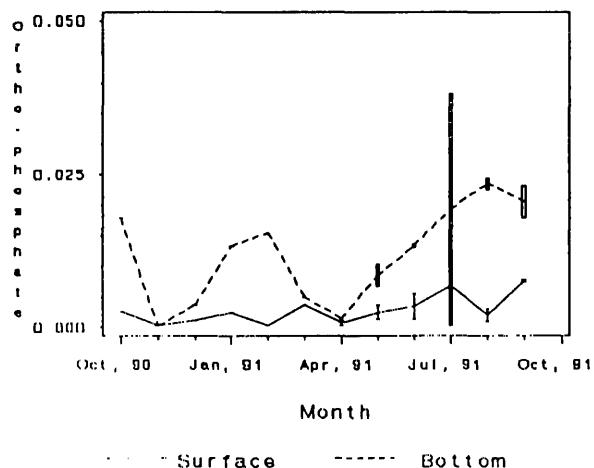
Station Id=CB7.1N



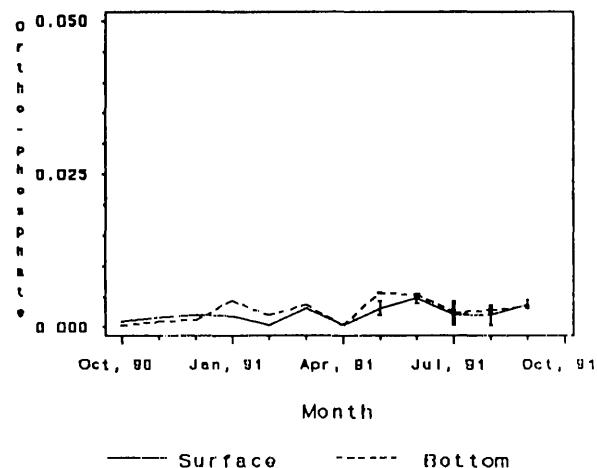
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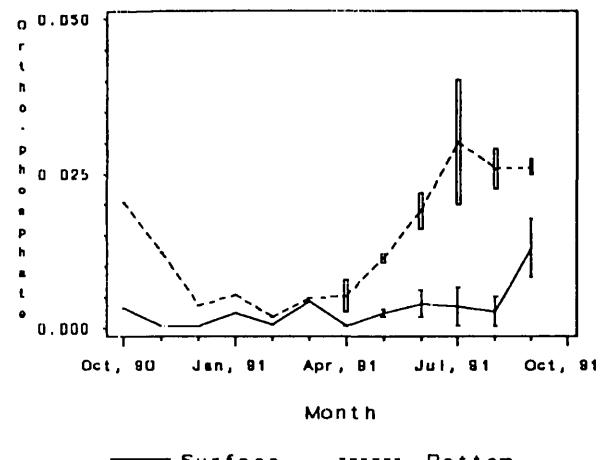
Station Id=CB7.1S



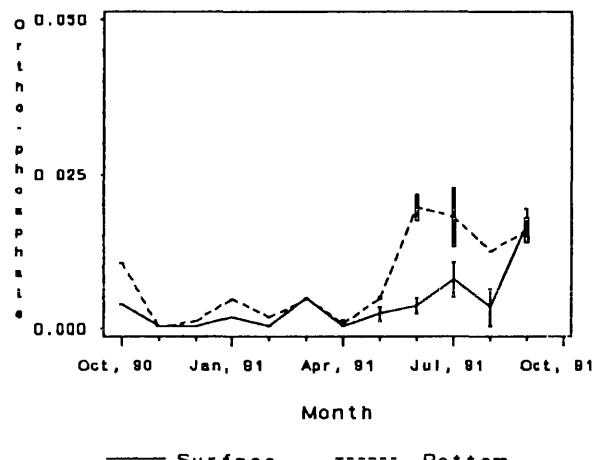
Station Id=CB5.4W



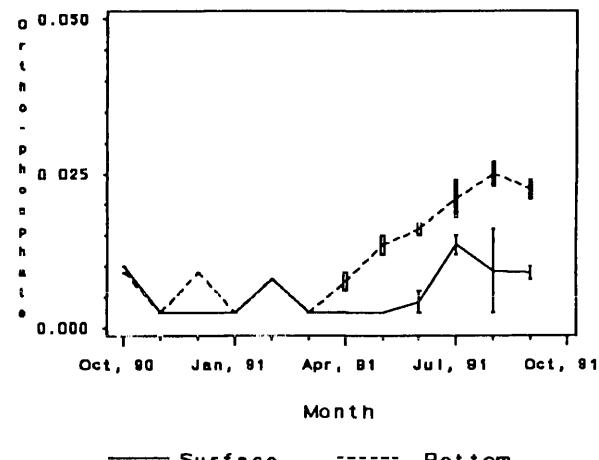
Station Id=CB7.2



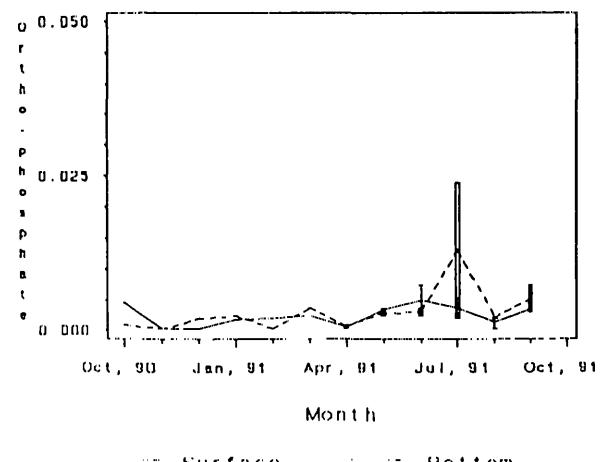
Station Id=CB7.2E



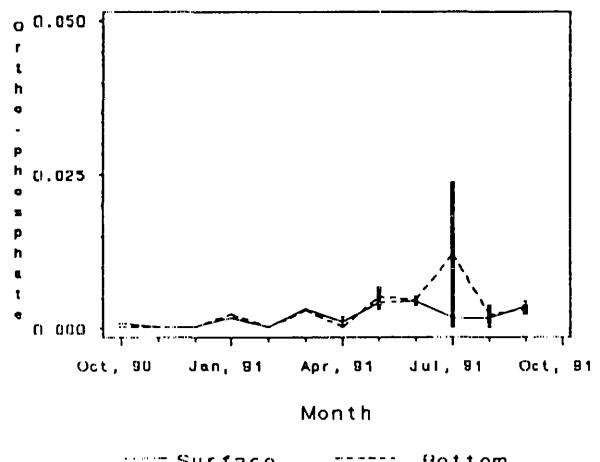
Station Id=CB7.3E



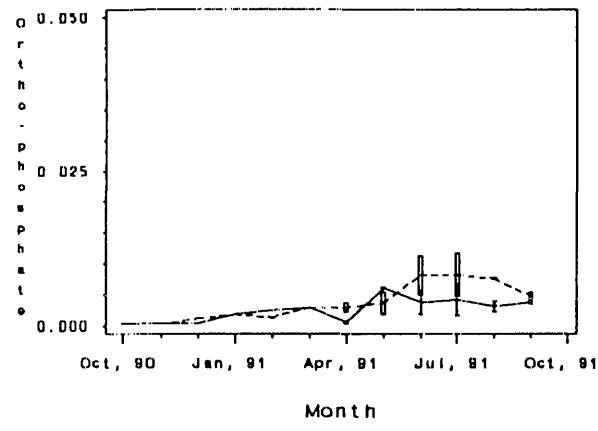
Station Id=LE3.6



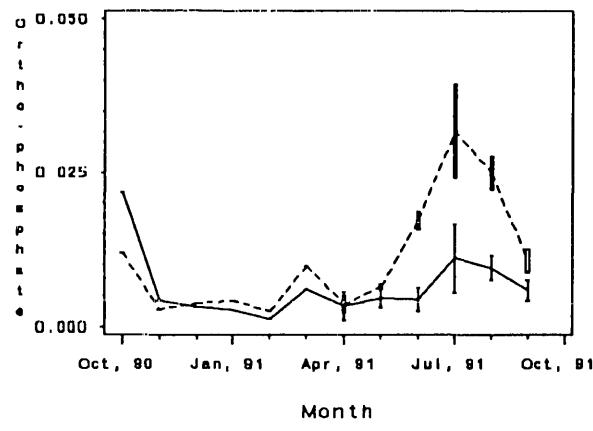
Station Id=LE3.7



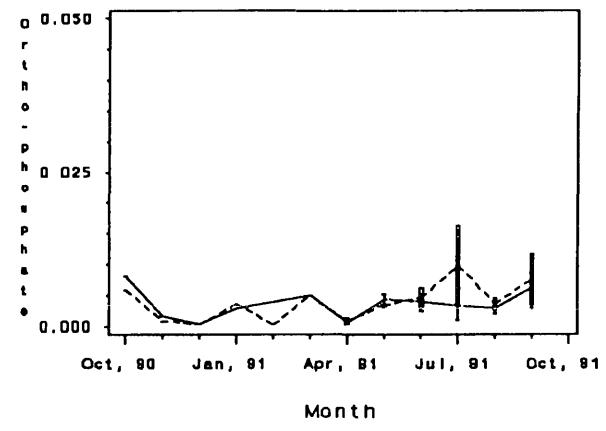
Station Id=WE4.1



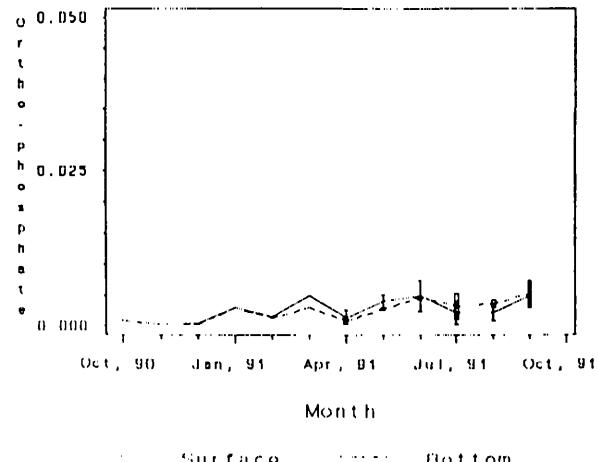
Station Id=WE4.2



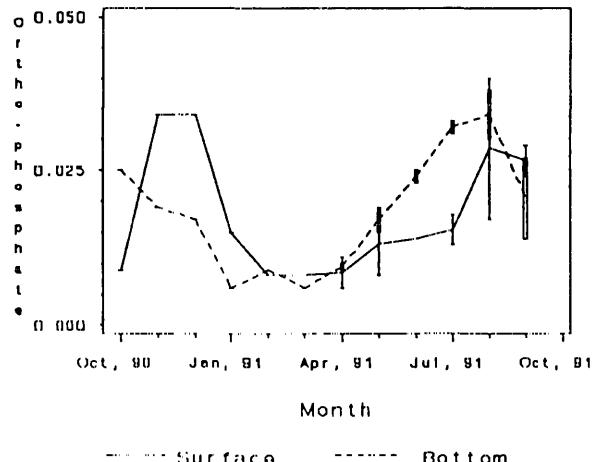
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5



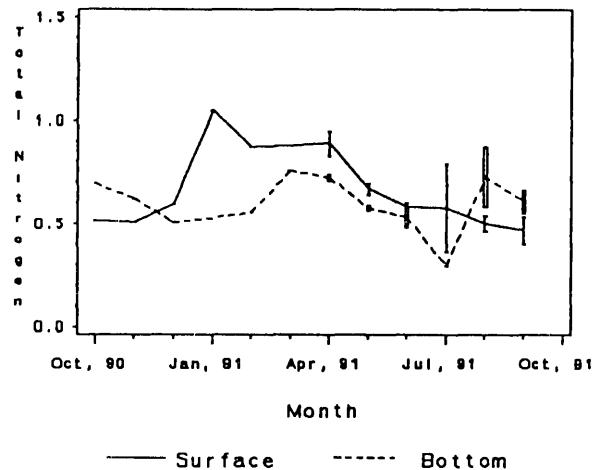
TOTAL NITROGEN

Total Nitrogen is the sum of
Particulate Nitrogen and Total Dissolved Nitrogen.
Values reported as mg/l.

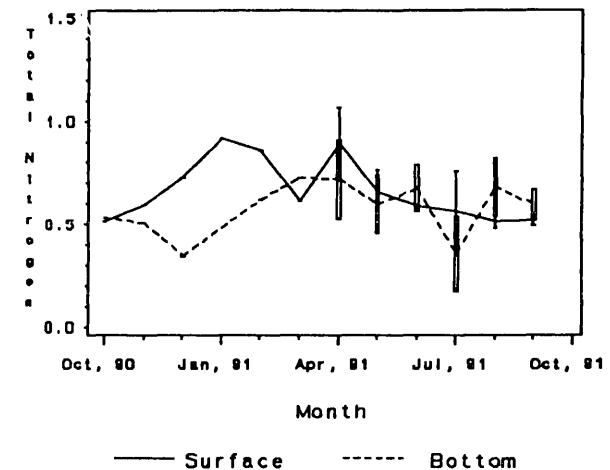
Total Nitrogen
October, 1990 - September, 1991

	Total Nitrogen (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	1.0490	0.6553	0.3660	0.8750	0.6103	0.2940
CB5.5.....	1.0690	0.6473	0.3530	0.9080	0.5879	0.1720
CB6.1.....	0.9070	0.5922	0.4120	0.8000	0.5133	0.0955
CB6.2.....	0.8000	0.5837	0.3420	0.6740	0.5308	0.2670
CB6.3.....	0.7300	0.5613	0.3710	0.8200	0.5593	0.3400
CB6.4.....	0.5660	0.4448	0.3030	0.5450	0.4123	0.2960
CB7.3.....	0.5500	0.3743	0.2730	0.4150	0.3047	0.1610
CB7.4.....	0.4330	0.3163	0.1900	0.4780	0.2817	0.1380
CB7.4N.....	0.4300	0.2849	0.1480	0.6230	0.3034	0.1690
CB8.1E.....	0.4490	0.3599	0.1760	0.4700	0.2882	0.1740
CB8.1.....	0.5560	0.4135	0.3090	0.5220	0.3371	0.1610
EE3.1.....	1.1910	0.7011	0.4520	0.8500	0.6833	0.4540
EE3.2.....	0.8150	0.6314	0.4530	1.1640	0.7384	0.4400
CB7.1N.....	0.9230	0.6368	0.3300	0.9050	0.7223	0.5700
CB7.1.....	0.7590	0.5689	0.3980	0.9790	0.5982	0.3000
CB7.1S.....	0.9050	0.6039	0.4540	1.2210	0.5552	0.3260
CB5.4W.....	1.0960	0.7030	0.4180	0.9710	0.7113	0.3860
CB7.2.....	0.8050	0.5679	0.3150	0.7180	0.4959	0.2020
CB7.2E.....	0.7830	0.5465	0.2250	0.7210	0.4876	0.2470
CB7.3E.....	0.5570	0.3812	0.2290	0.5130	0.3609	0.1790
LE3.6.....	0.9410	0.5953	0.3230	0.8190	0.6018	0.3240
LE3.7.....	0.7990	0.5738	0.3860	0.7990	0.5773	0.3710
WE4.1.....	0.6330	0.5194	0.3340	0.8150	0.5642	0.3300
WE4.2.....	0.6980	0.5504	0.4060	0.8690	0.6113	0.2650
WE4.3.....	0.7040	0.5199	0.3090	0.7940	0.5409	0.3230
WE4.4.....	0.6680	0.5279	0.3260	0.7360	0.5384	0.3030
LE5.5.....	0.6930	0.4699	0.3240	0.6540	0.4162	0.2490

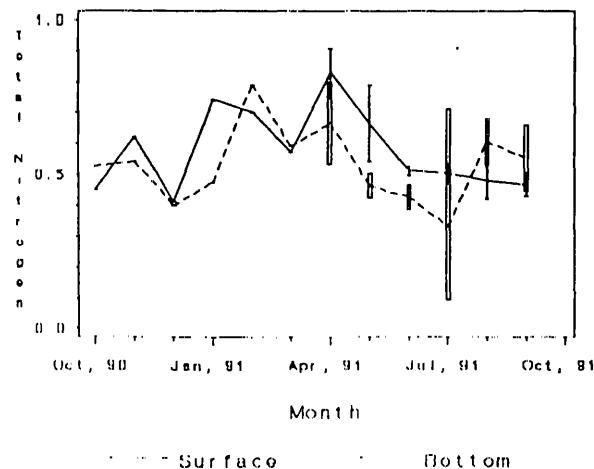
Station Id=CB5.4



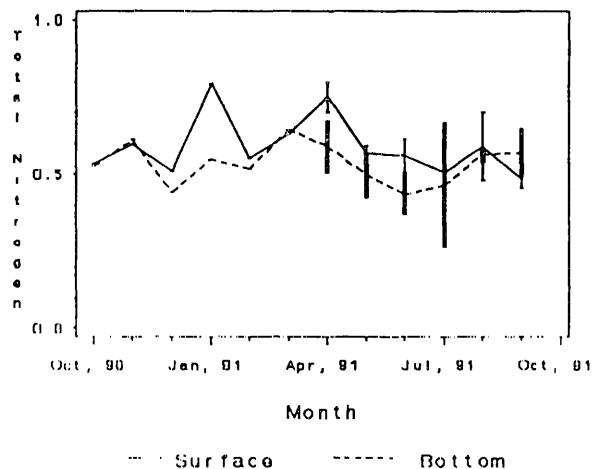
Station Id=CB5.5



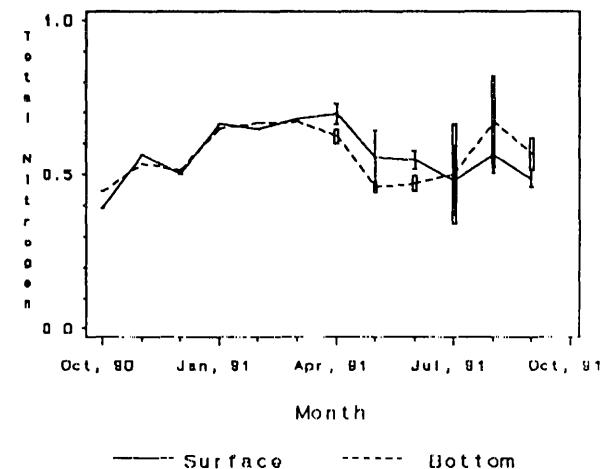
Station Id=CB6.1



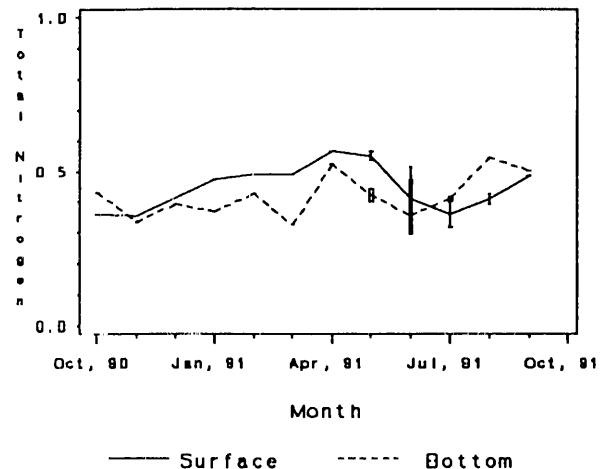
Station Id=CB6.2



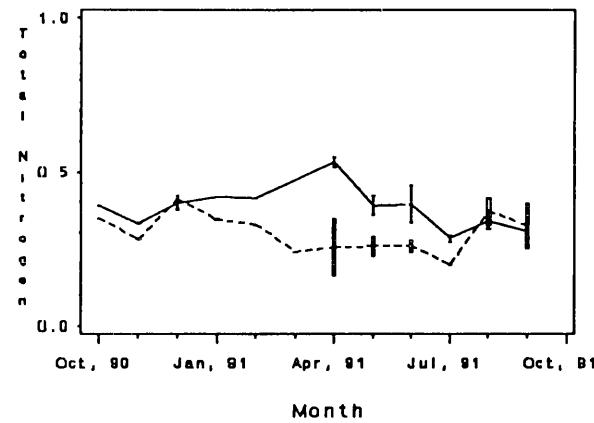
Station Id=CB6.3



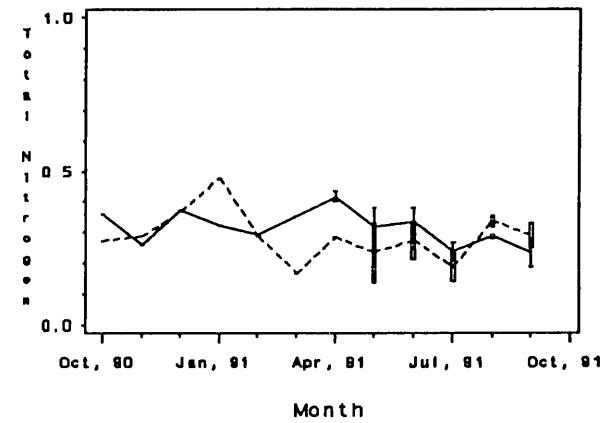
Station Id=CB6.4



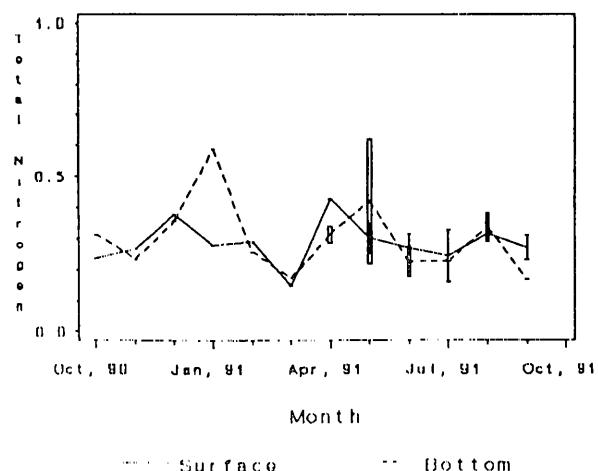
Station Id=CB7.3



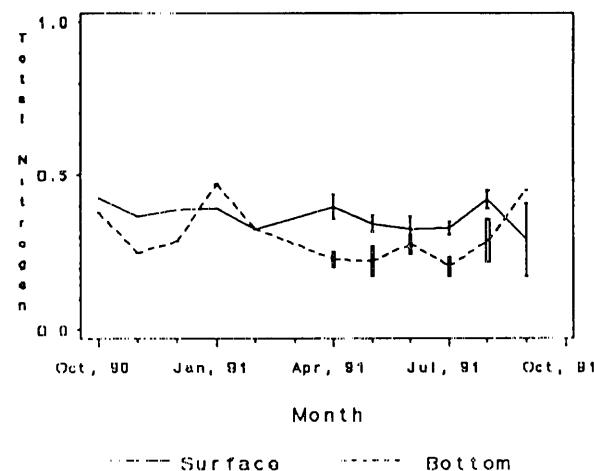
Station Id=CB7.4



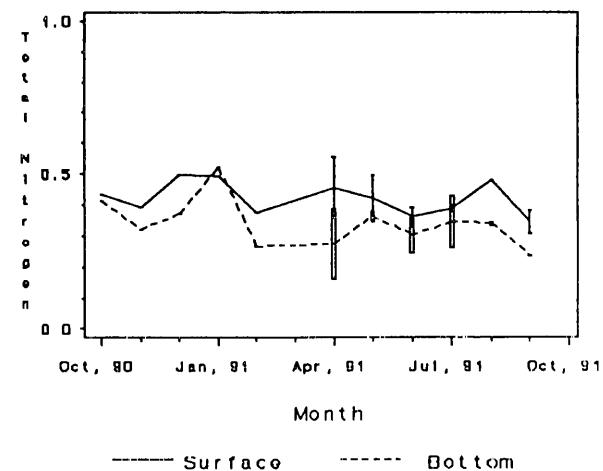
Station Id=CB7.4N



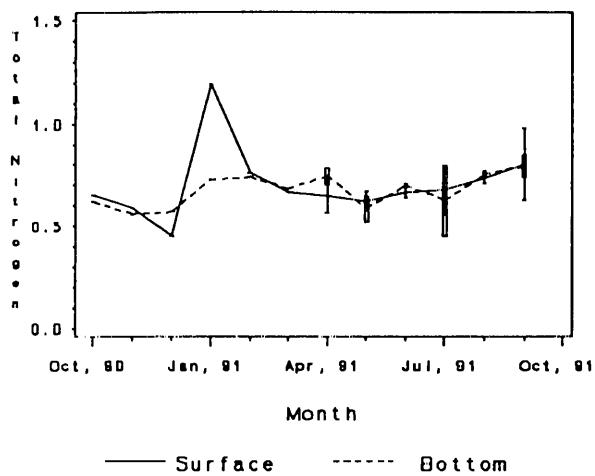
Station Id=CB8.1E



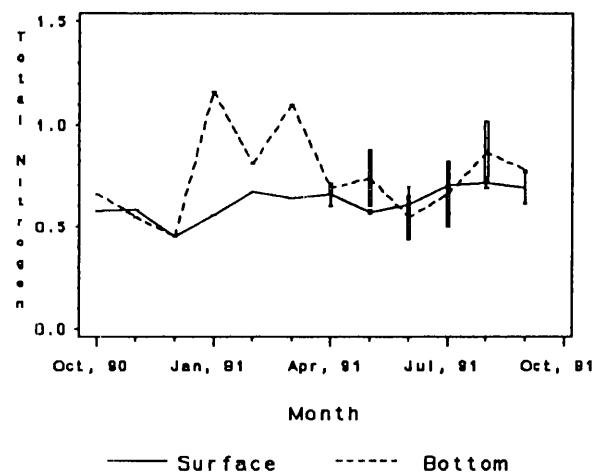
Station Id=CB8.1



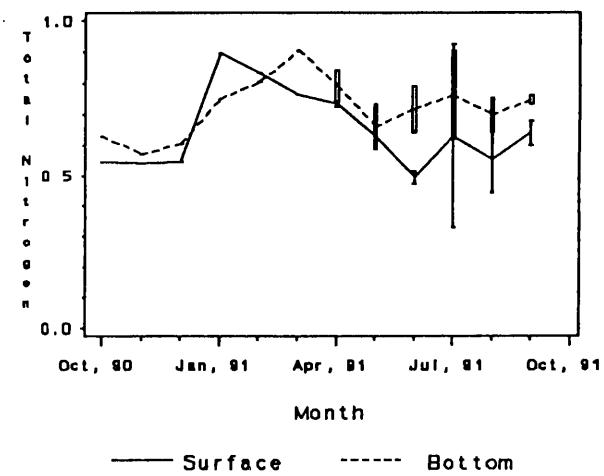
Station Id=EE3.1



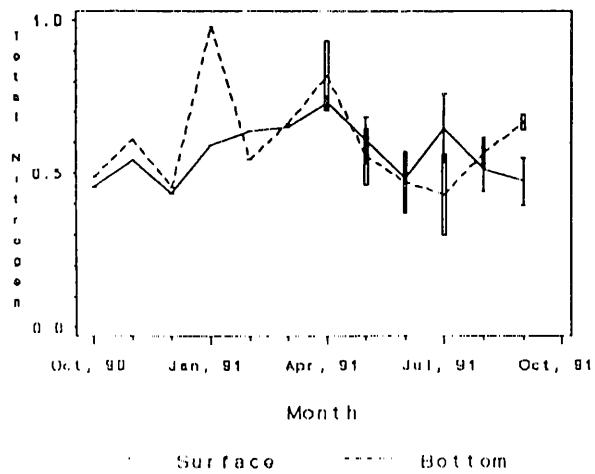
Station Id=EE3.2



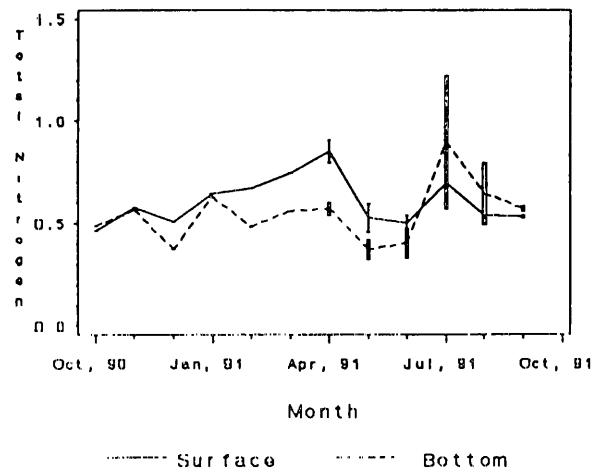
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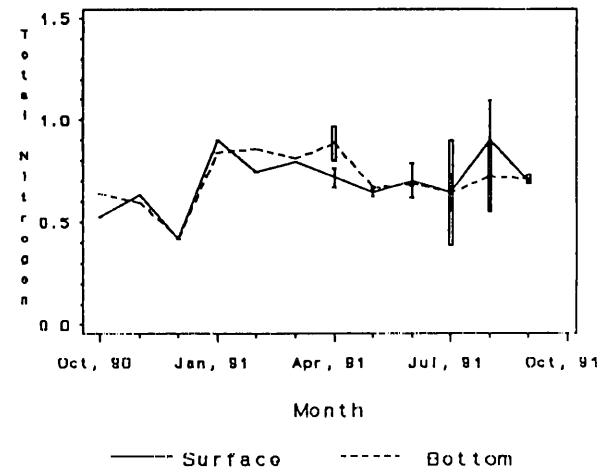
Station Id=CB7.1



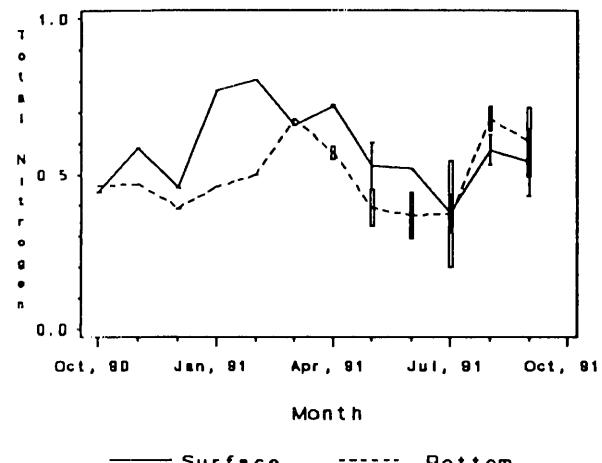
Station Id=CB7.1S



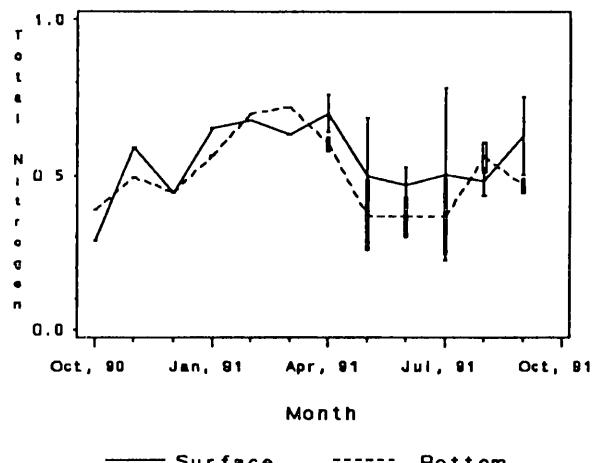
Station Id=CB5.4W



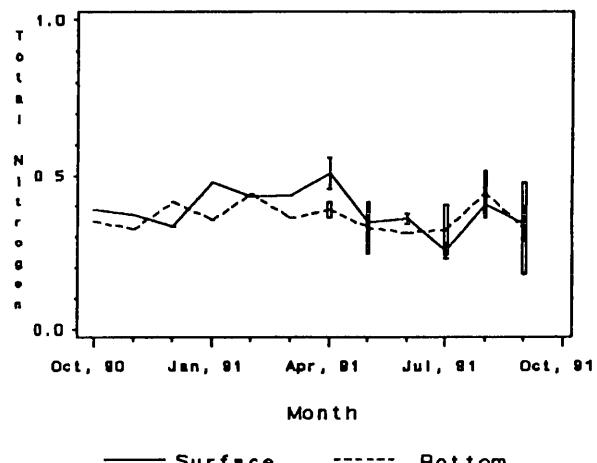
Station Id=CB7.2



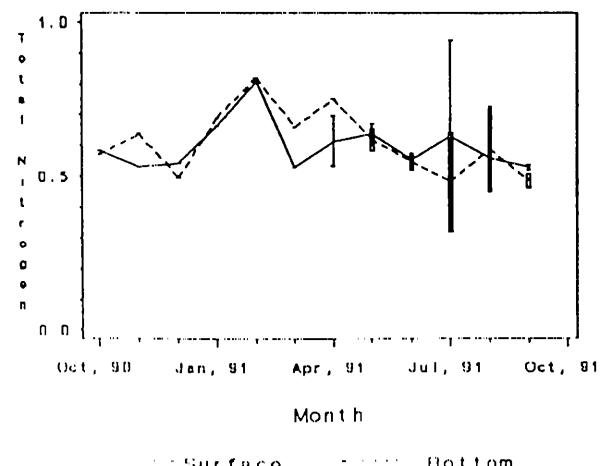
Station Id=CB7.2E



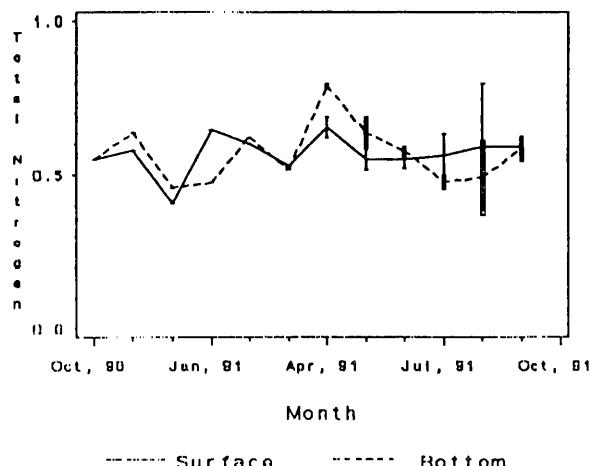
Station Id=CB7.3E



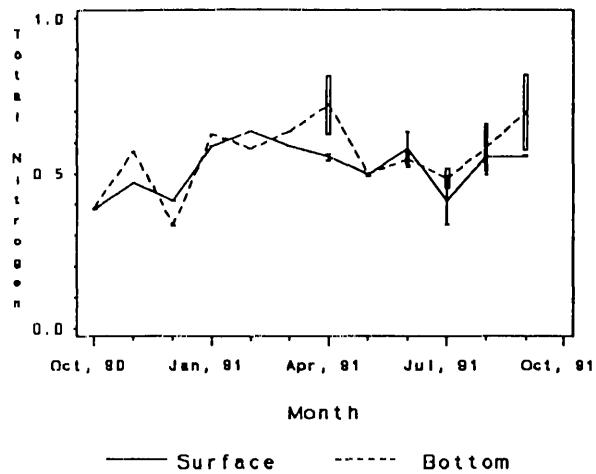
Station Id=LE3.6



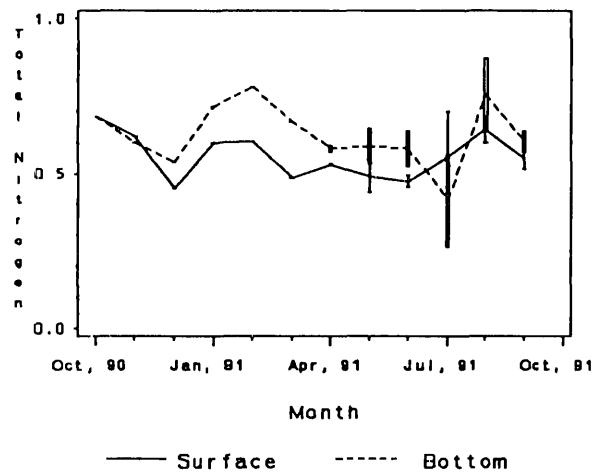
Station Id=LE3.7



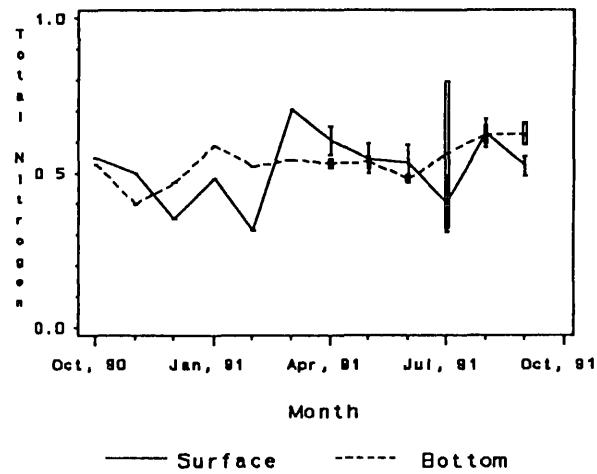
Station Id=WE4.1



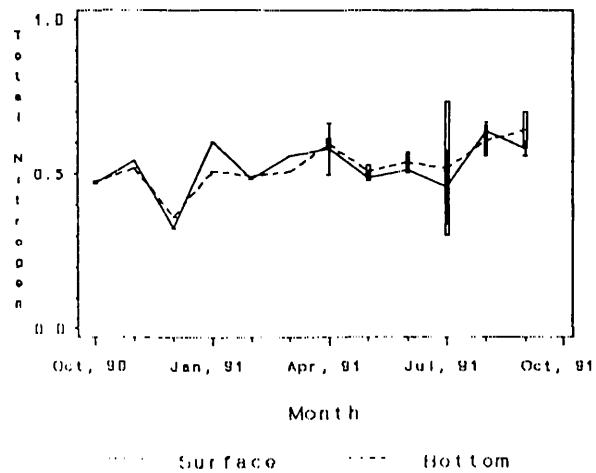
Station Id=WE4.2



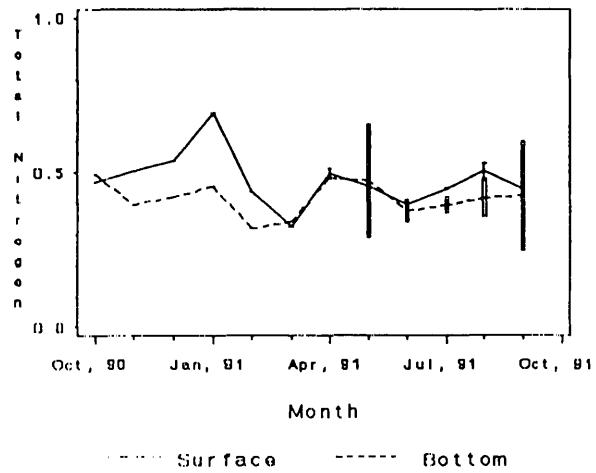
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5



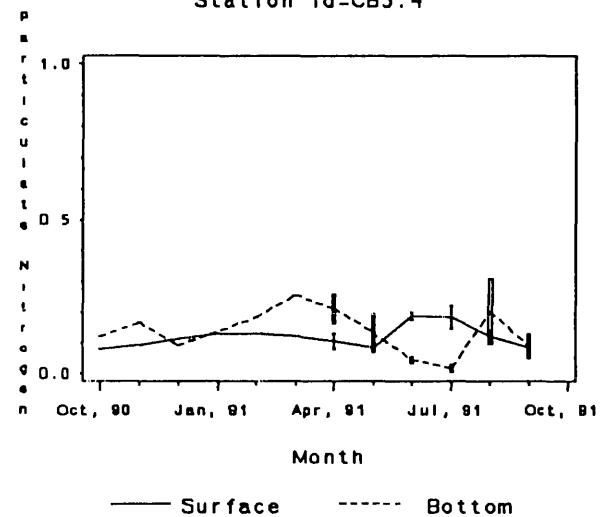
PARTICULATE NITROGEN

Values reported as mg/l.

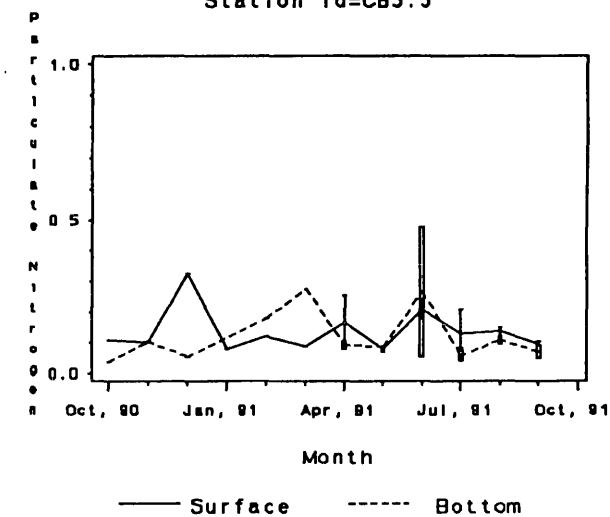
Particulate Nitrogen
October, 1990 - September, 1991

	Particulate Nitrogen (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	0.2220	0.1214	0.0580	0.3100	0.1297	0.0030
CB5.5.....	0.3260	0.1308	0.0690	0.4780	0.1181	0.0360
CB6.1.....	0.1950	0.1112	0.0780	0.2130	0.0977	0.0470
CB6.2.....	0.2020	0.1203	0.0800	0.1780	0.1068	0.0510
CB6.3.....	0.2060	0.1227	0.0670	0.2490	0.1257	0.0700
CB6.4.....	0.2350	0.1184	0.0580	0.2040	0.0950	0.0180
CB7.3.....	0.2030	0.0943	0.0520	0.1750	0.0791	0.0180
CB7.4.....	0.1290	0.0784	0.0360	0.2440	0.0952	0.0180
CB7.4N.....	0.1300	0.0767	0.0180	0.4300	0.1202	0.0180
CB8.1E.....	0.1750	0.0944	0.0400	0.2430	0.1003	0.0180
CB8.1.....	0.1600	0.1012	0.0250	0.1760	0.0877	0.0180
EE3.1.....	0.6300	0.2326	0.0880	0.3400	0.2161	0.0800
EE3.2.....	0.2520	0.1511	0.0650	0.7690	0.2728	0.0960
CB7.1N.....	0.1860	0.1311	0.0720	0.4820	0.2337	0.0930
CB7.1.....	0.5100	0.1297	0.0330	0.6400	0.1879	0.0520
CB7.1S.....	0.6270	0.1406	0.0590	0.8710	0.1330	0.0390
CB5.4W.....	0.3690	0.1908	0.0920	0.4160	0.1900	0.0980
CB7.2.....	0.1770	0.1072	0.0630	0.2350	0.1097	0.0300
CB7.2E.....	0.1920	0.1093	0.0550	0.3080	0.1027	0.0140
CB7.3E.....	0.1810	0.1007	0.0570	0.2250	0.1006	0.0180
LE3.6.....	0.2940	0.1453	0.0690	0.1840	0.1339	0.0790
LE3.7.....	0.2240	0.1508	0.0740	0.2370	0.1470	0.0920
WE4.1.....	0.1750	0.1383	0.0910	0.2790	0.1604	0.0780
WE4.2.....	0.1920	0.1147	0.0240	0.3140	0.1558	0.0620
WE4.3.....	0.2160	0.1420	0.0630	0.2610	0.1492	0.0480
WE4.4.....	0.2590	0.1432	0.0580	0.2460	0.1433	0.0530
LE5.5.....	0.1980	0.1167	0.0180	0.3100	0.1274	0.0180

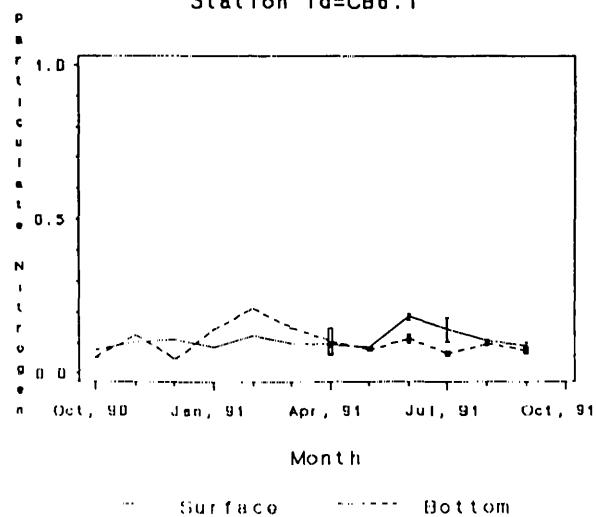
Station Id=CB5.4



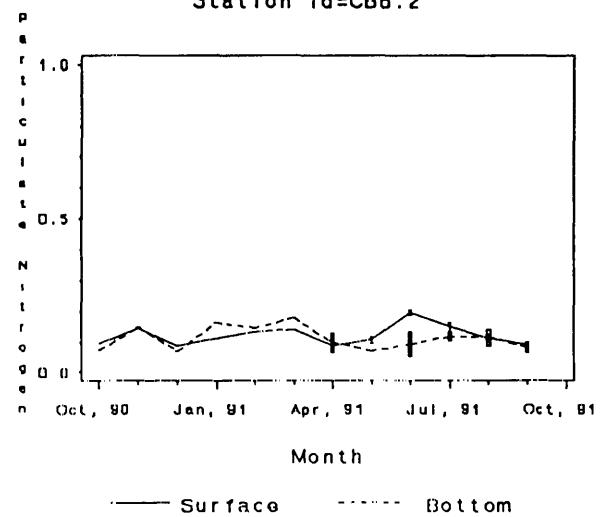
Station Id=CB5.5



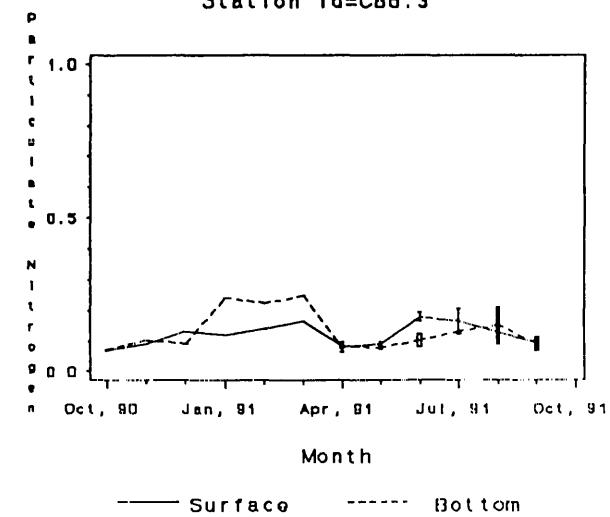
Station Id=CB6.1

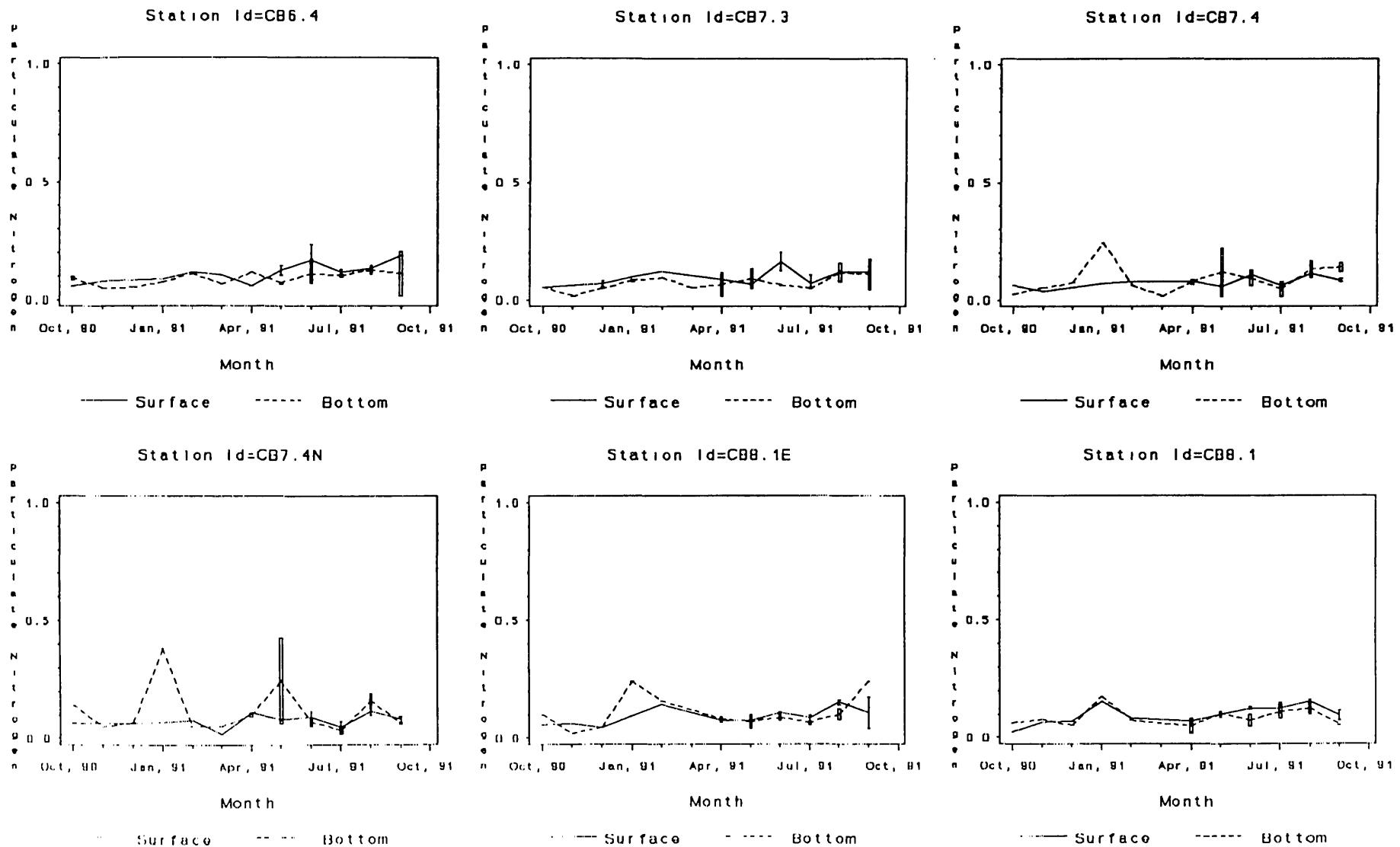


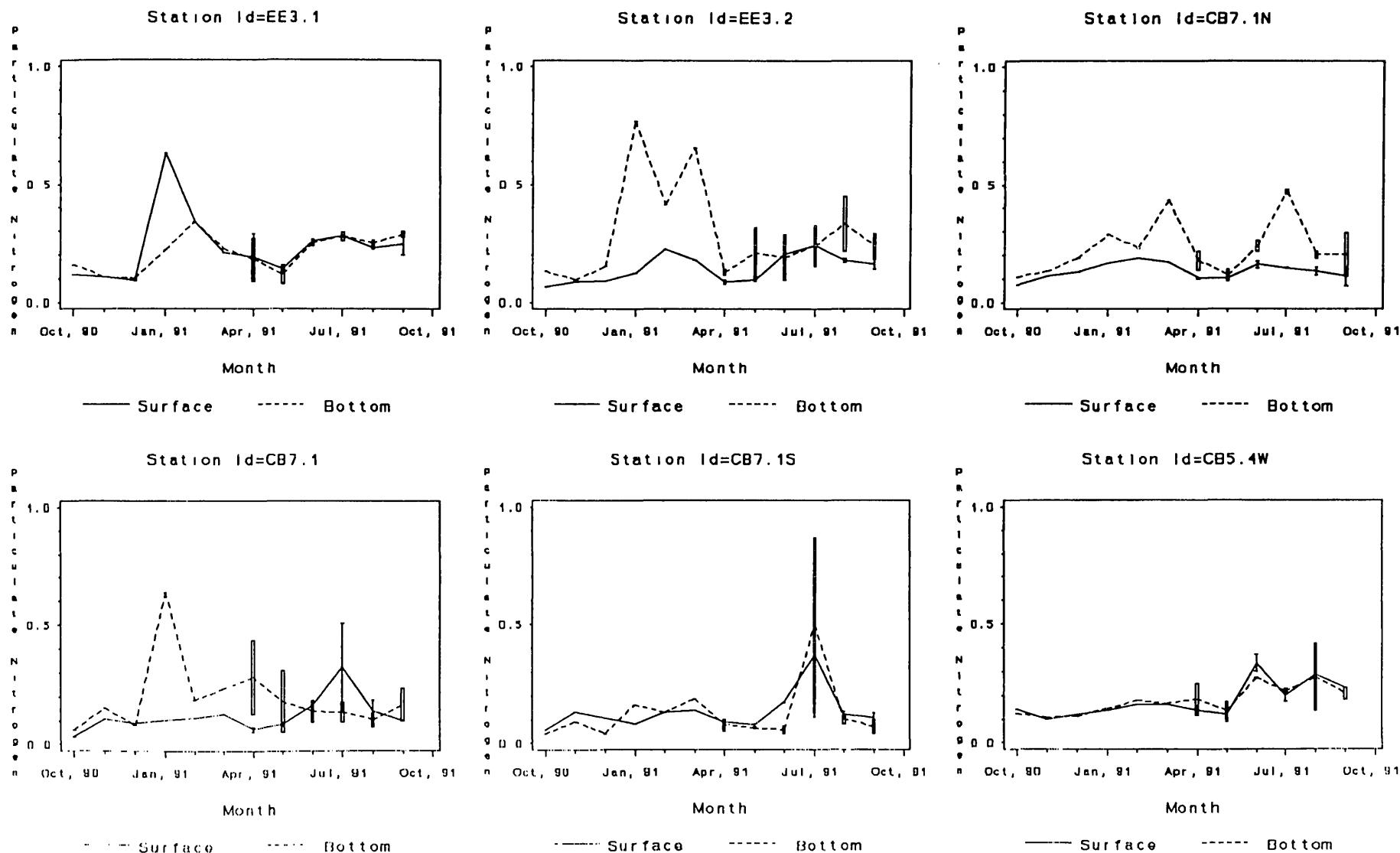
Station Id=CB6.2

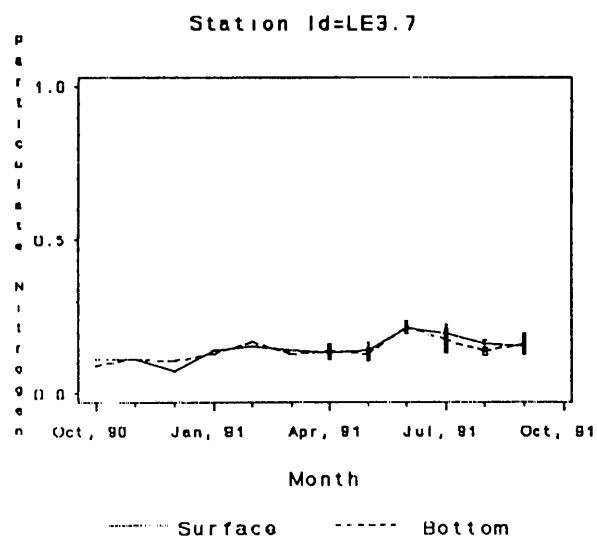
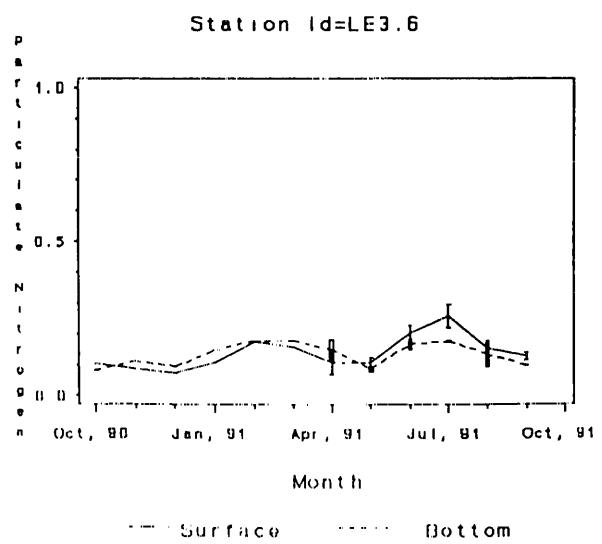
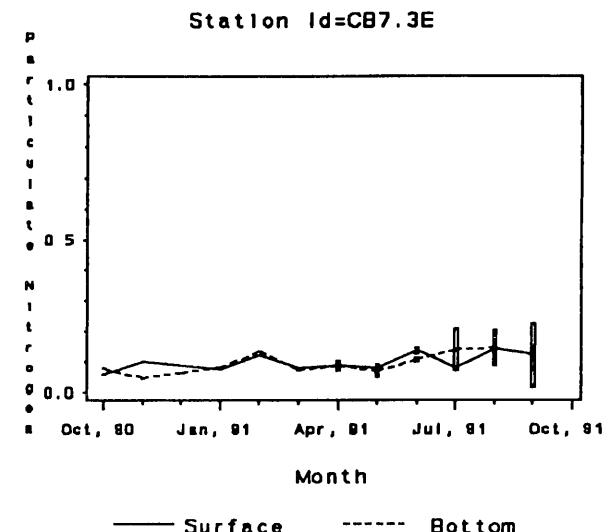
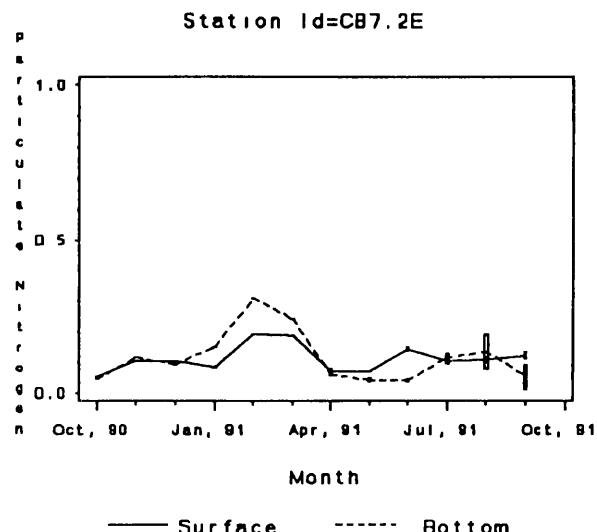
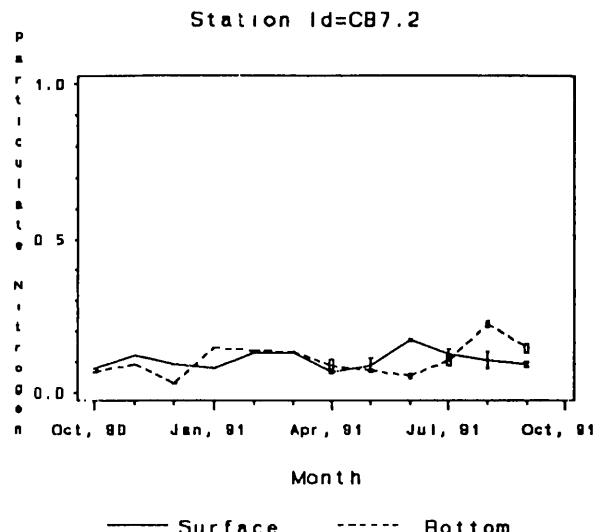


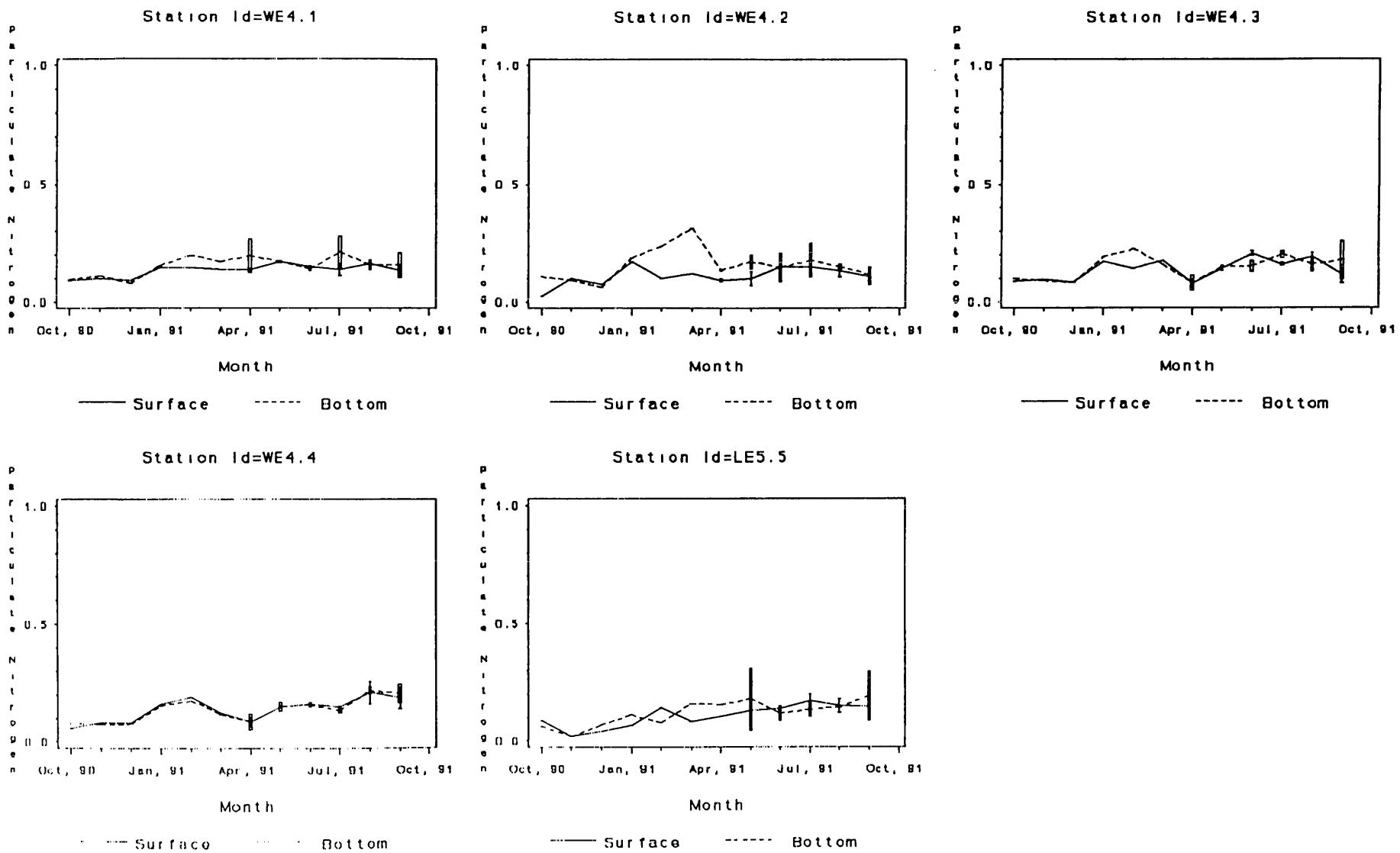
Station Id=CB6.3









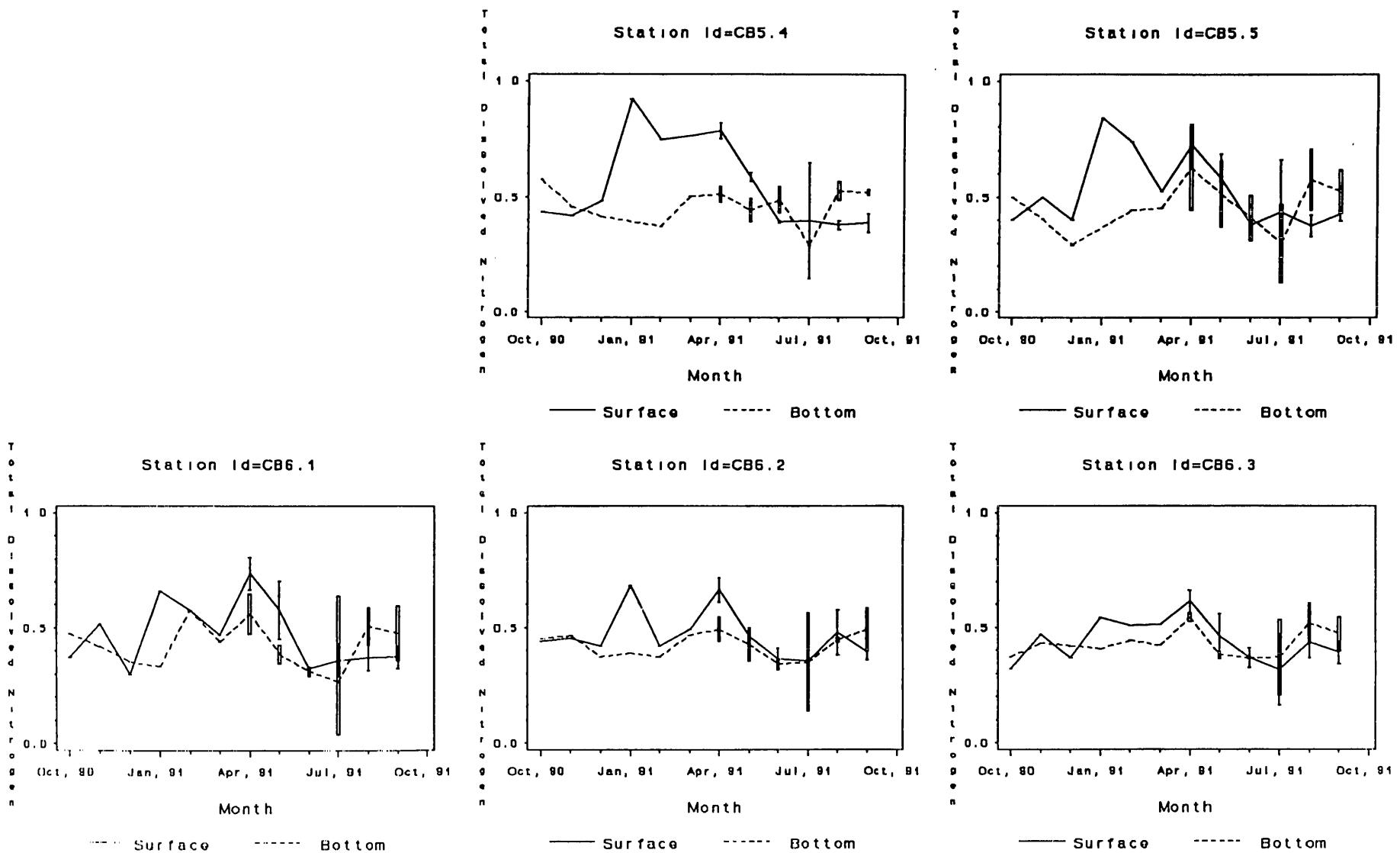


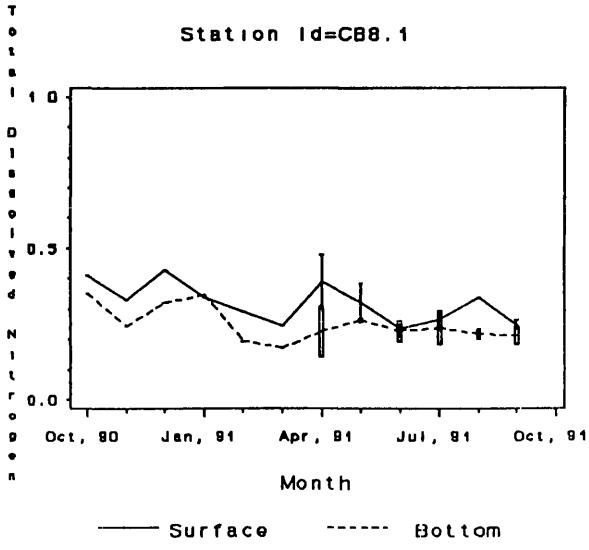
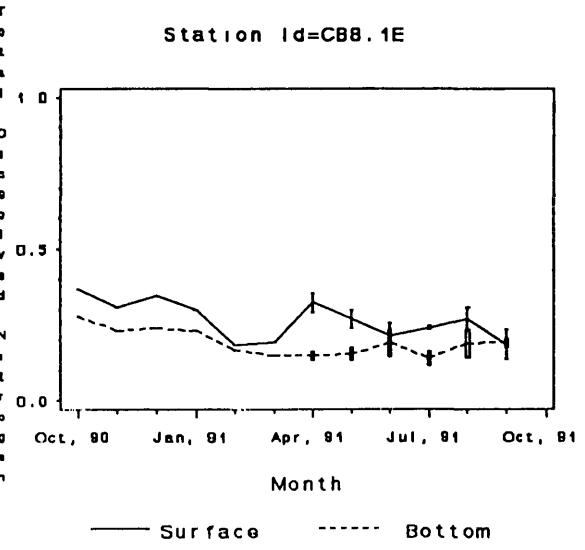
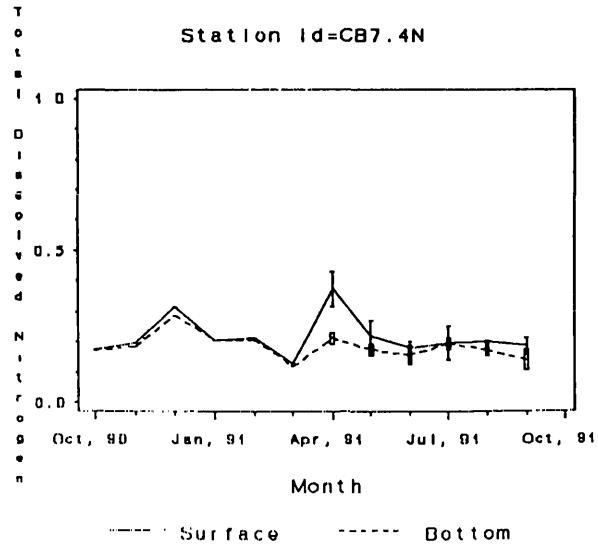
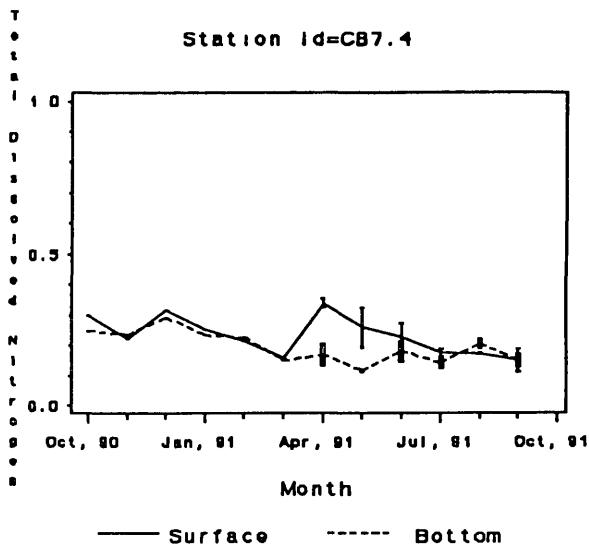
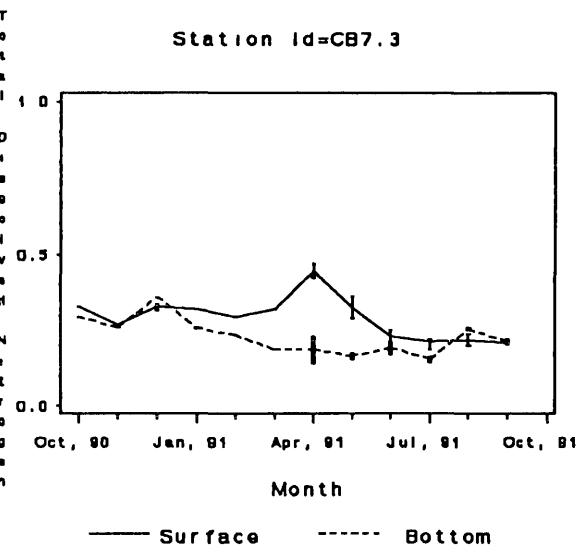
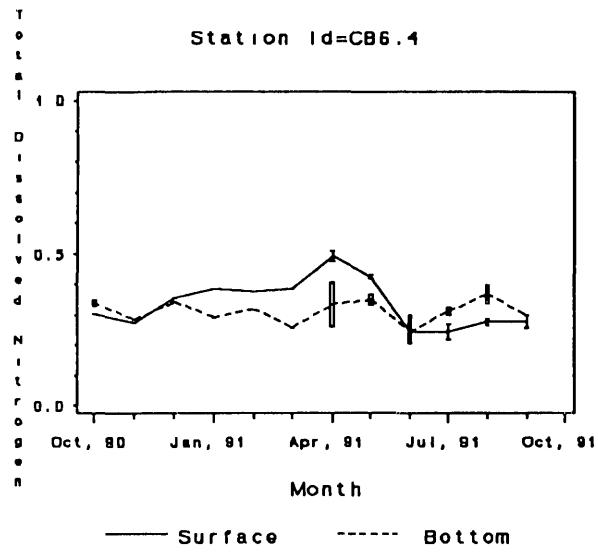
TOTAL DISSOLVED NITROGEN

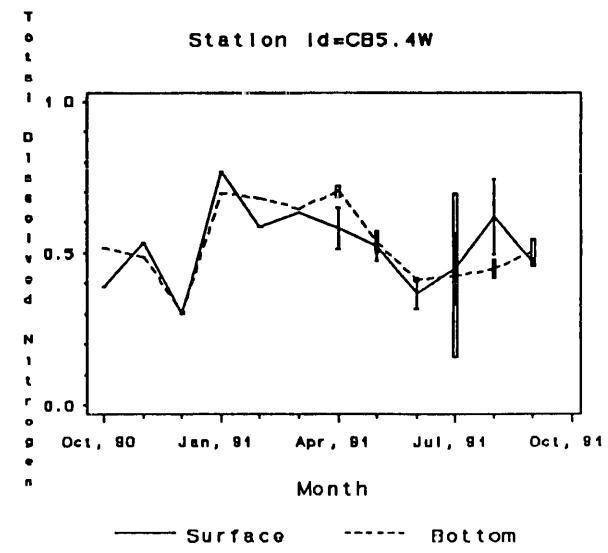
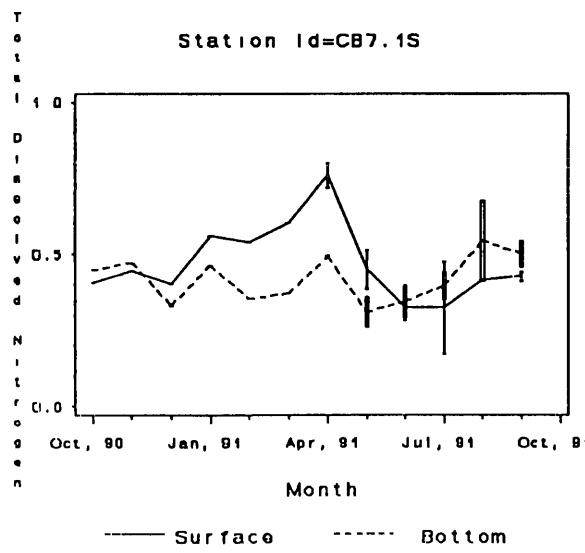
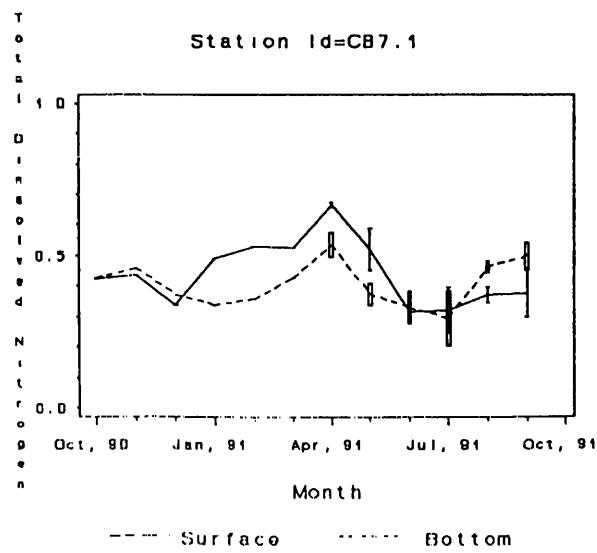
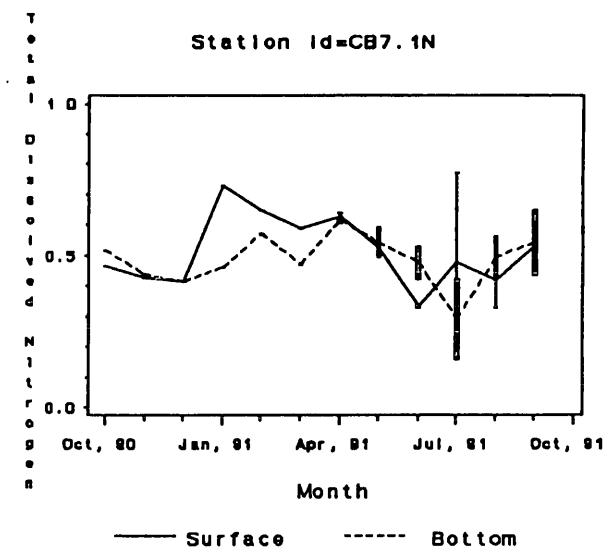
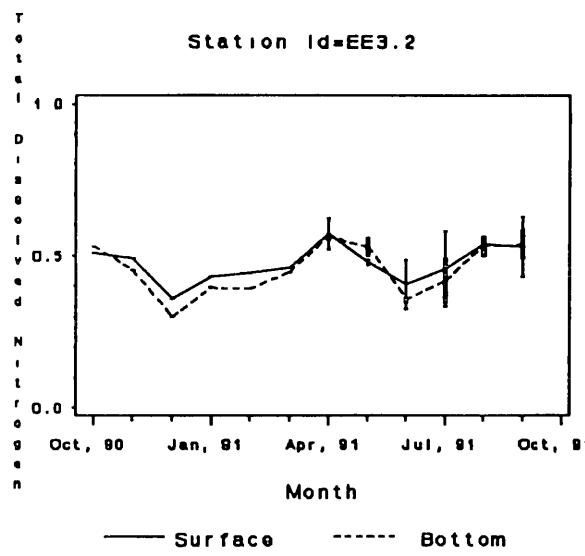
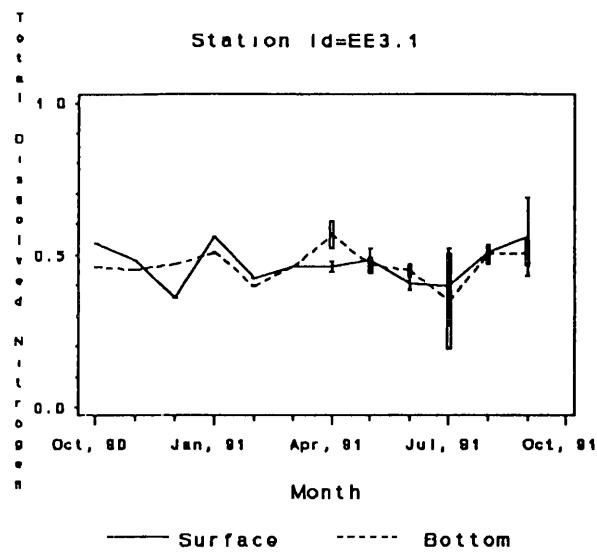
Values reported as mg/l.

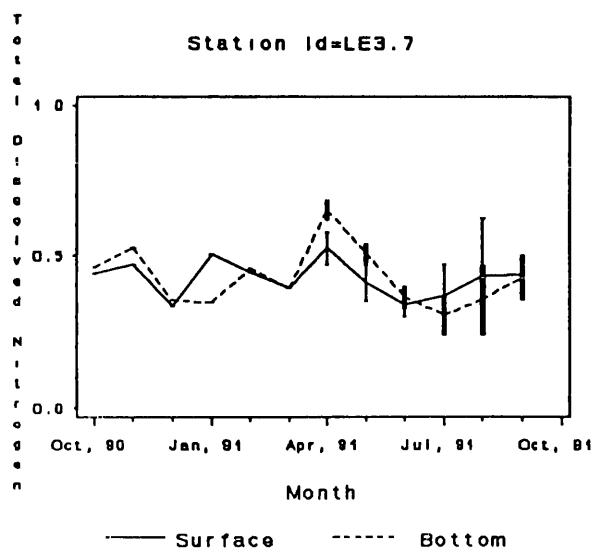
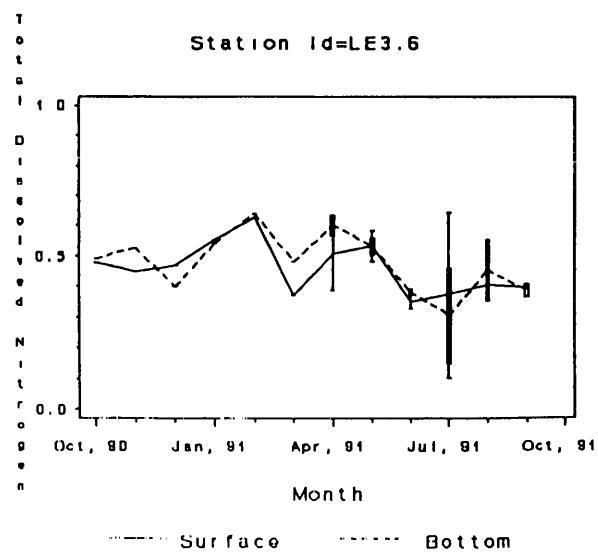
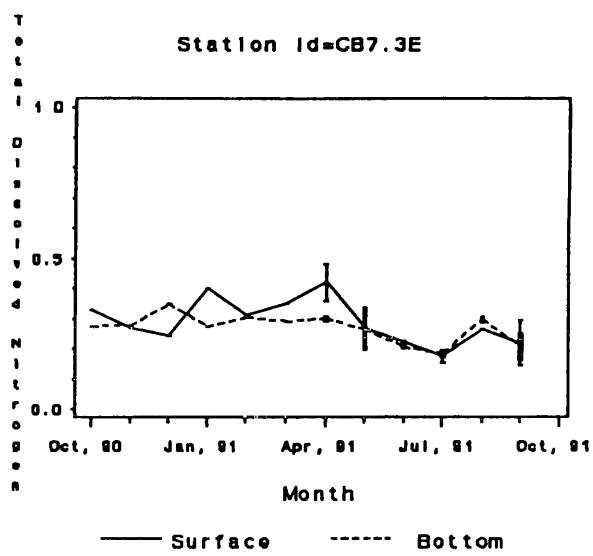
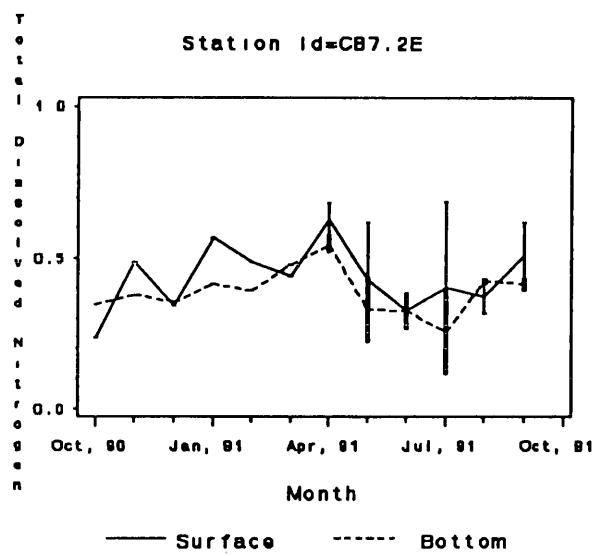
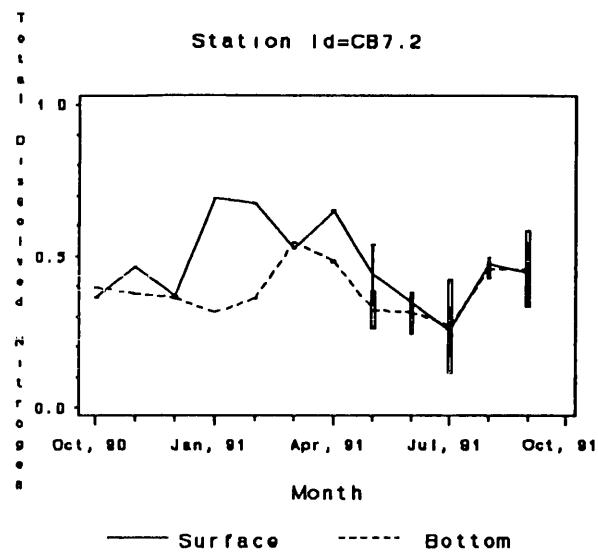
Total Dissolved Nitrogen
October, 1990 - September, 1991

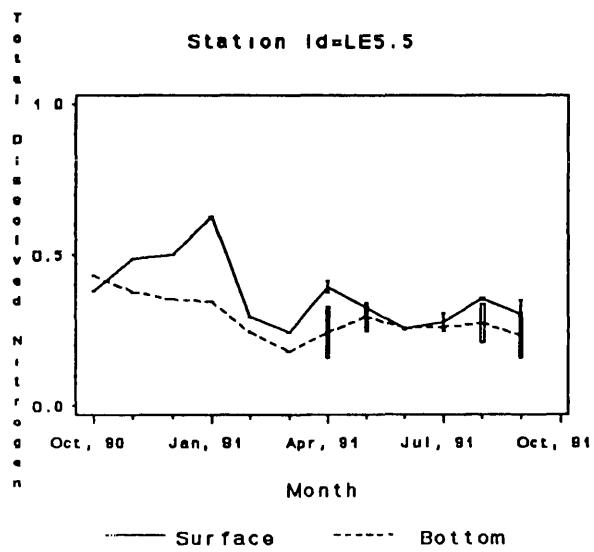
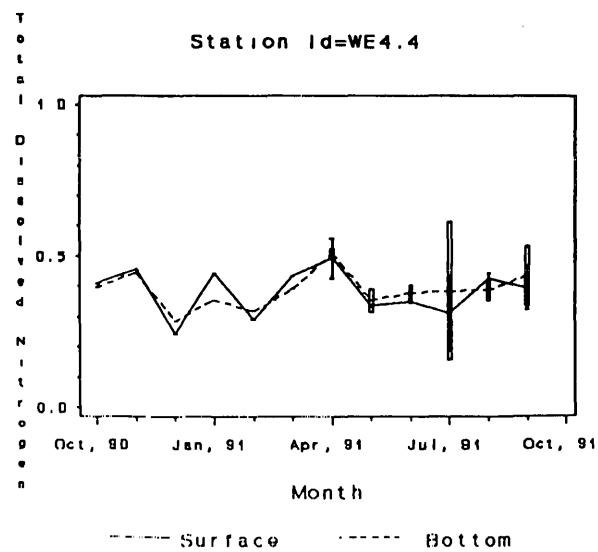
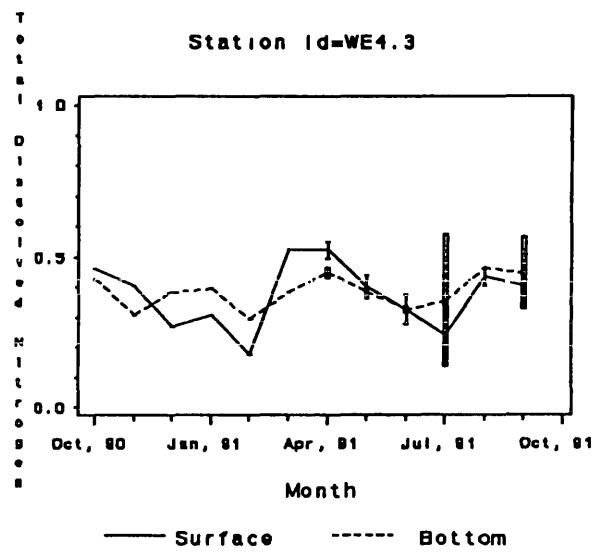
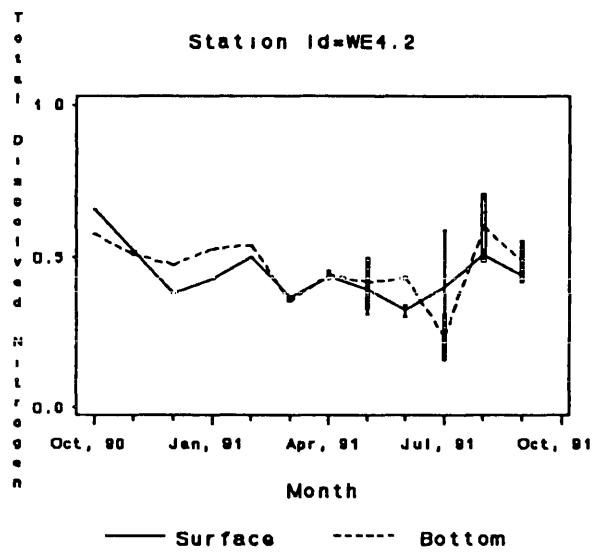
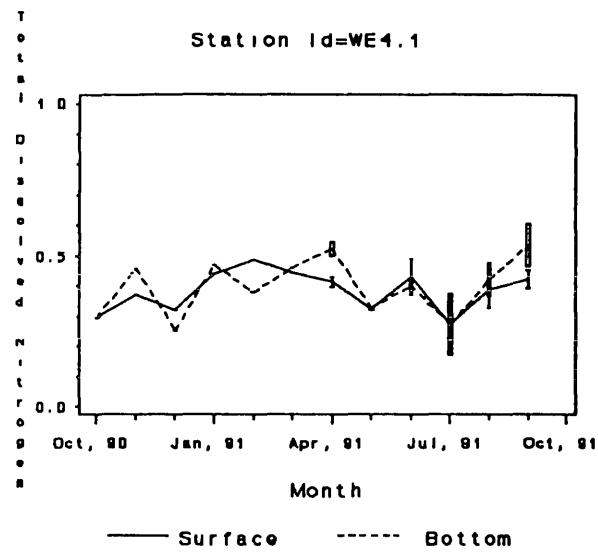
	Total Dissolved Nitrogen (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	0.9200	0.5339	0.1440	0.5740	0.4744	0.2910
CB5.5.....	0.8390	0.5166	0.1440	0.8060	0.4698	0.1300
CB6.1.....	0.8060	0.4810	0.2910	0.6500	0.4156	0.0375
CB6.2.....	0.7170	0.4634	0.1790	0.5840	0.4240	0.1370
CB6.3.....	0.6630	0.4386	0.1650	0.6070	0.4336	0.2070
CB6.4.....	0.5080	0.3320	0.2040	0.4060	0.3119	0.2080
CB7.3.....	0.4680	0.2848	0.1860	0.3610	0.2225	0.1430
CB7.4.....	0.3530	0.2341	0.1120	0.2920	0.1836	0.1110
CB7.4N.....	0.4330	0.2207	0.1300	0.2880	0.1828	0.1080
CB8.1E.....	0.3660	0.2613	0.1360	0.2780	0.1851	0.1160
CB8.1.....	0.4790	0.3116	0.2120	0.3500	0.2447	0.1430
EE3.1.....	0.6860	0.4685	0.2700	0.6110	0.4673	0.1930
EE3.2.....	0.6260	0.4804	0.3240	0.5840	0.4656	0.2990
CB7.1N.....	0.7730	0.5057	0.1860	0.6500	0.4887	0.1580
CB7.1.....	0.6760	0.4392	0.2490	0.5780	0.4102	0.2070
CB7.1S.....	0.8000	0.4634	0.1720	0.6750	0.4222	0.2600
CB5.4W.....	0.7670	0.5122	0.2990	0.7220	0.5213	0.1580
CB7.2.....	0.6910	0.4608	0.1720	0.5840	0.3862	0.1160
CB7.2E.....	0.6870	0.4372	0.1160	0.5650	0.3849	0.1160
CB7.3E.....	0.4810	0.2805	0.1450	0.3490	0.2603	0.1610
LE3.6.....	0.6470	0.4499	0.1020	0.6420	0.4679	0.1510
LE3.7.....	0.6250	0.4231	0.2400	0.6840	0.4303	0.2420
WE4.1.....	0.4900	0.3811	0.1720	0.6050	0.4038	0.1720
WE4.2.....	0.6570	0.4357	0.2140	0.7060	0.4554	0.1580
WE4.3.....	0.5520	0.3779	0.1440	0.5750	0.3917	0.1370
WE4.4.....	0.5590	0.3847	0.1890	0.6140	0.3951	0.1580
LE5.5.....	0.6290	0.3532	0.2430	0.4300	0.2817	0.1610











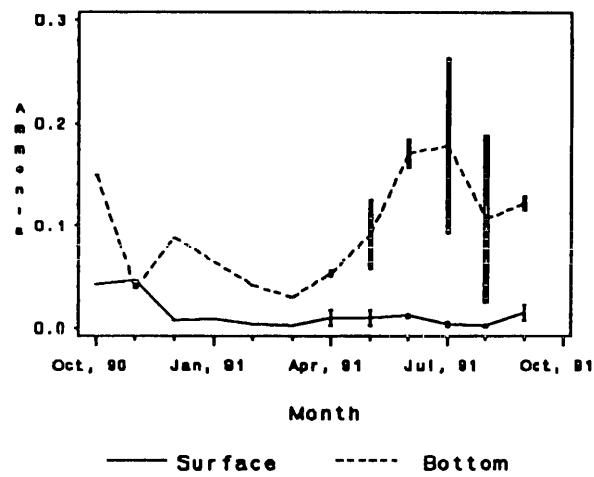
AMMONIA

Values reported as mg/l.

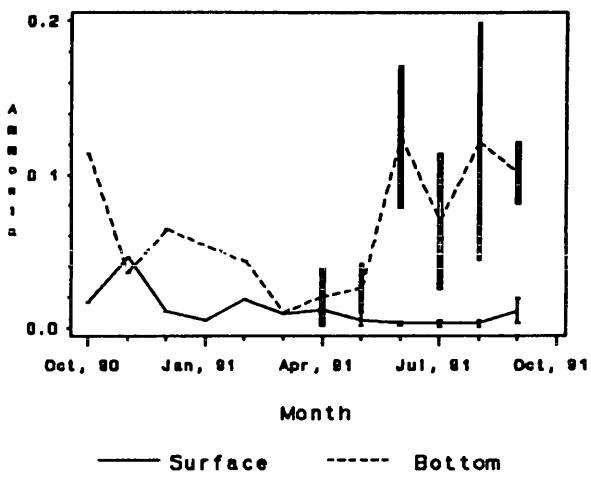
Ammonia
October, 1990 - September, 1991

	Ammonia (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	0.0470	0.0120	0.0010	0.2630	0.1054	0.0250
CB5.5.....	0.0460	0.0092	0.0010	0.1980	0.0702	0.0020
CB6.1.....	0.0300	0.0076	0.0010	0.1970	0.0534	0.0050
CB6.2.....	0.0520	0.0086	0.0010	0.1500	0.0568	0.0070
CB6.3.....	0.0390	0.0102	0.0010	0.1150	0.0525	0.0080
CB6.4.....	0.0560	0.0120	0.0030	0.1430	0.0503	0.0090
CB7.3.....	0.0370	0.0105	0.0030	0.0830	0.0327	0.0030
CB7.4.....	0.0700	0.0119	0.0030	0.0560	0.0192	0.0030
CB7.4N.....	0.0610	0.0086	0.0030	0.0510	0.0099	0.0030
CB8.1E.....	0.0780	0.0171	0.0030	0.0760	0.0264	0.0030
CB8.1.....	0.0820	0.0180	0.0030	0.1010	0.0383	0.0030
EE3.1.....	0.0730	0.0128	0.0010	0.0850	0.0186	0.0010
EE3.2.....	0.0880	0.0216	0.0020	0.1720	0.0661	0.0040
CB7.1N.....	0.0680	0.0168	0.0010	0.1420	0.0625	0.0060
CB7.1.....	0.0750	0.0163	0.0010	0.1400	0.0697	0.0290
CB7.1S.....	0.0300	0.0089	0.0010	0.1230	0.0593	0.0010
CB5.4W.....	0.0550	0.0102	0.0010	0.1360	0.0211	0.0010
CB7.2.....	0.0820	0.0121	0.0010	0.1690	0.0715	0.0100
CB7.2E.....	0.1020	0.0137	0.0010	0.1190	0.0434	0.0090
CB7.3E.....	0.0380	0.0127	0.0030	0.0810	0.0329	0.0030
LE3.6.....	0.0790	0.0167	0.0010	0.1220	0.0335	0.0020
LE3.7.....	0.0610	0.0091	0.0010	0.1110	0.0236	0.0010
WE4.1.....	0.0140	0.0057	0.0010	0.0760	0.0171	0.0020
WE4.2.....	0.1560	0.0278	0.0050	0.2070	0.0702	0.0220
WE4.3.....	0.0740	0.0106	0.0010	0.0830	0.0112	0.0010
WE4.4.....	0.0460	0.0084	0.0010	0.0520	0.0111	0.0010
LE5.5.....	0.0860	0.0323	0.0030	0.1100	0.0573	0.0170

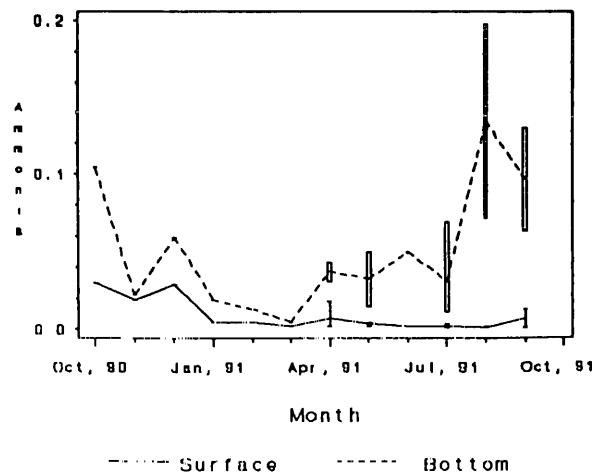
Station Id=CB5.4



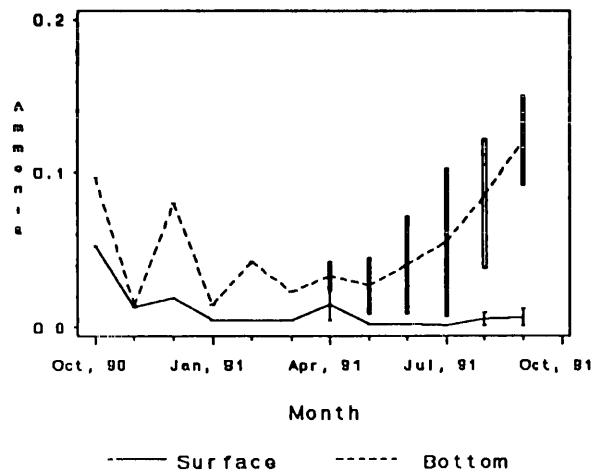
Station Id=CB5.5



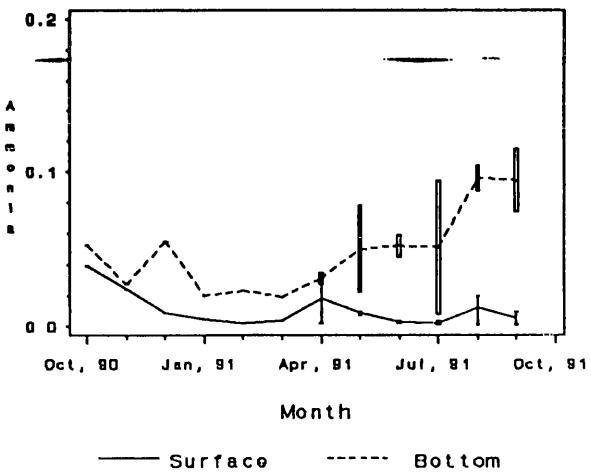
Station Id=CB6.1



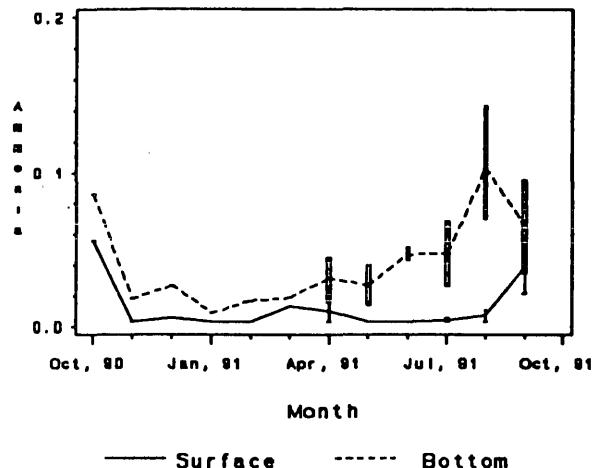
Station Id=CB6.2



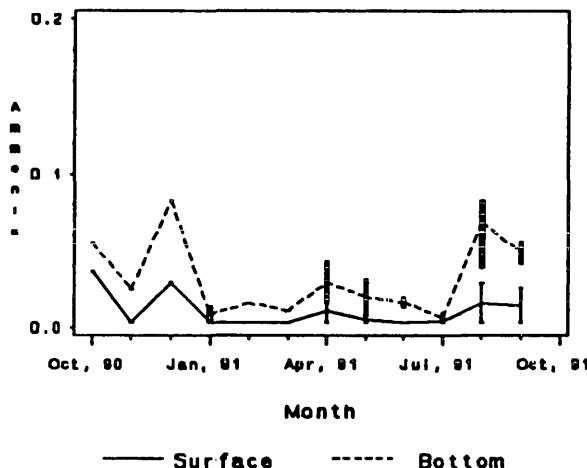
Station Id=CB6.3



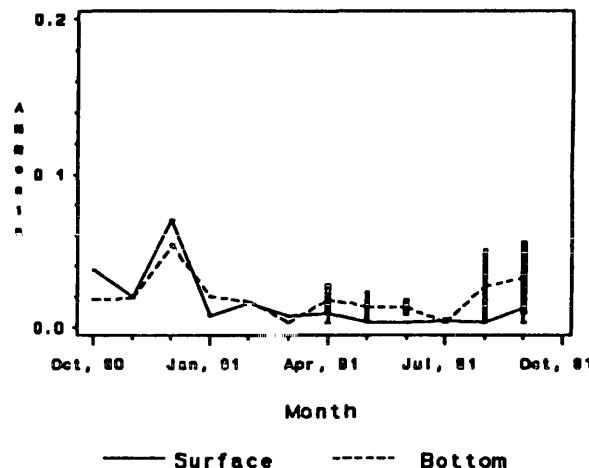
Station Id=CB6.4



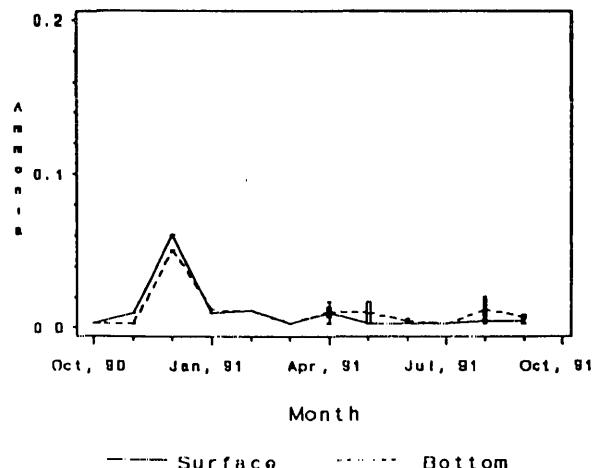
Station Id=CB7.3



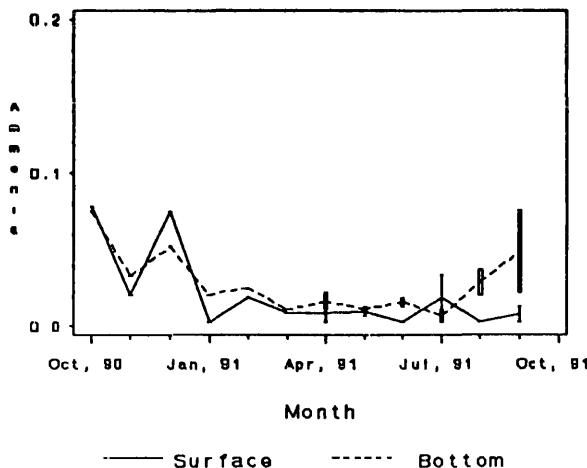
Station Id=CB7.4



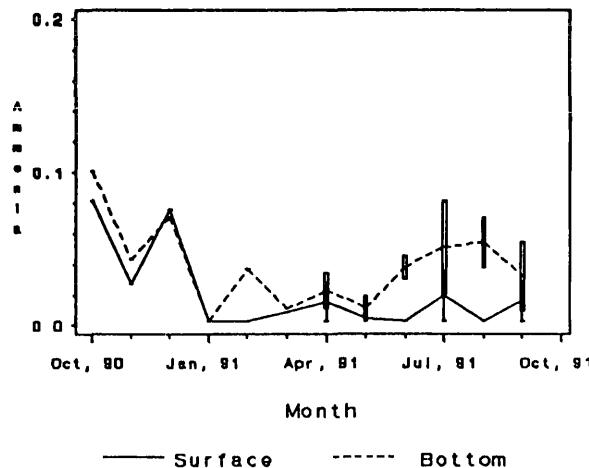
Station Id=CB7.4N



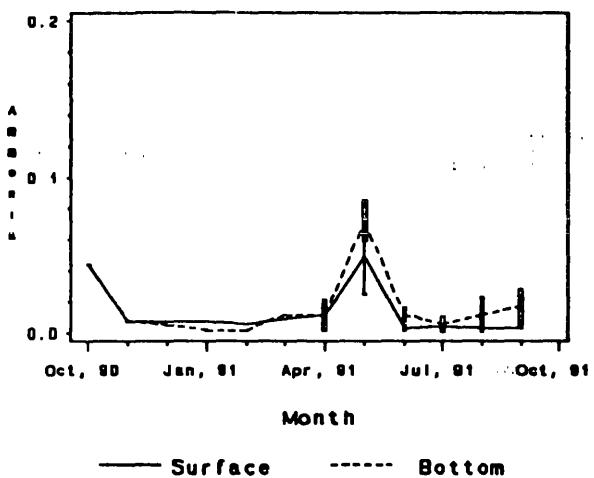
Station Id=CB8.1E



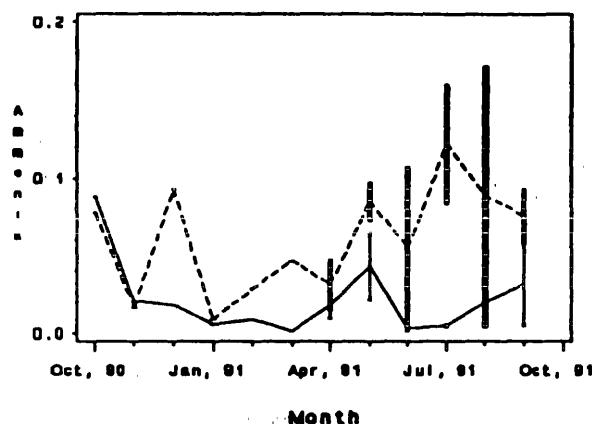
Station Id=CB8.1



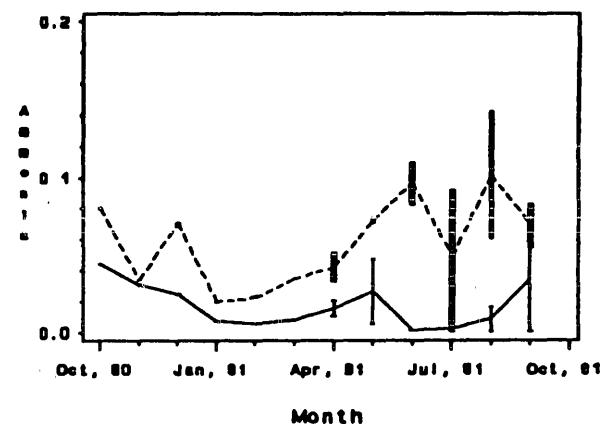
Station Id=EE3.1



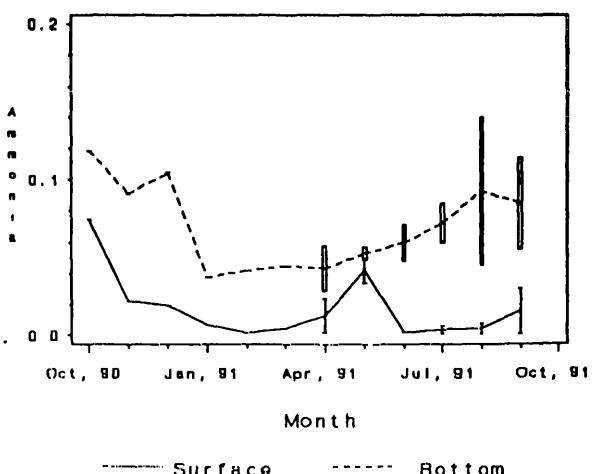
Station Id=EE3.2



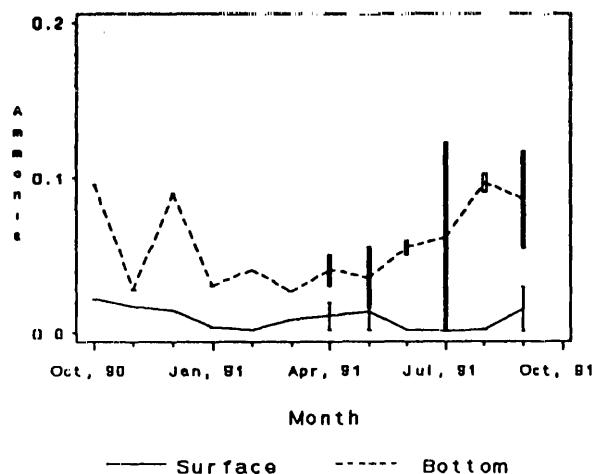
Station Id=CB7.1N



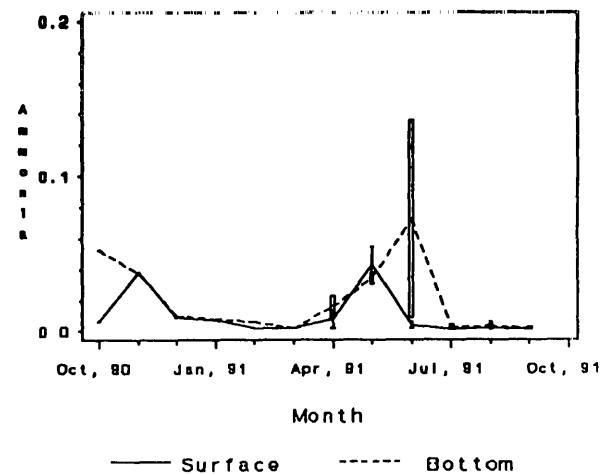
Station Id=CB7.1



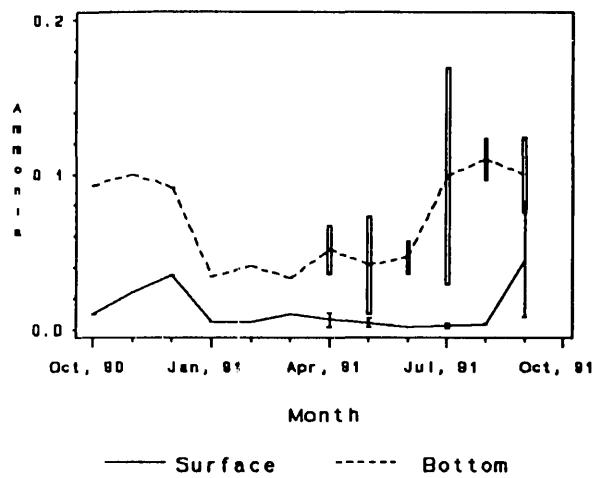
Station Id=CB7.1S



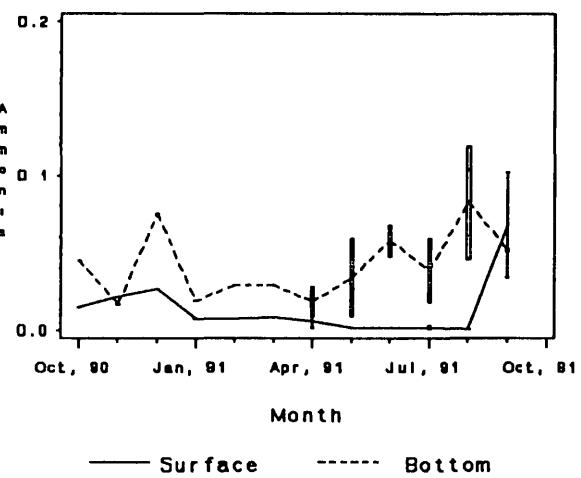
Station Id=CB5.4W



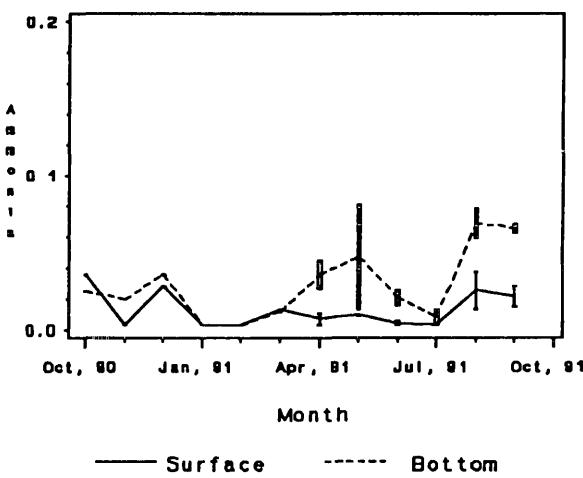
Station Id=CB7.2



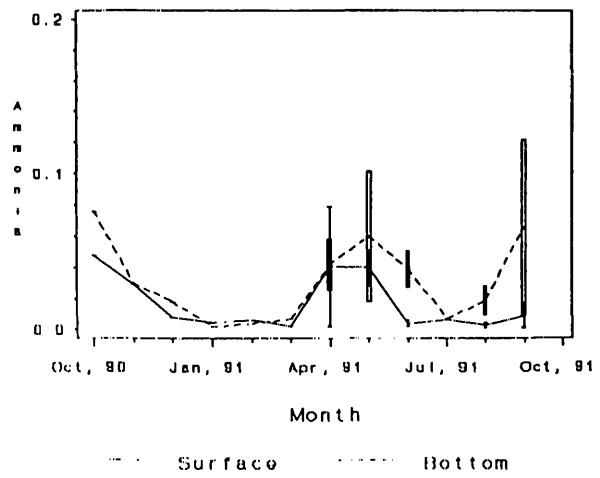
Station Id=CB7.2E



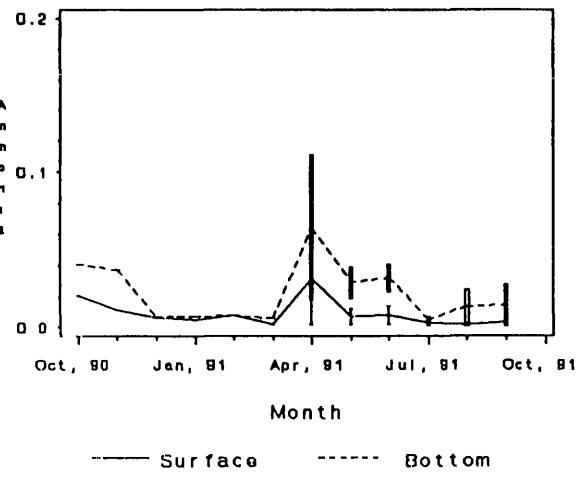
Station Id=CB7.3E



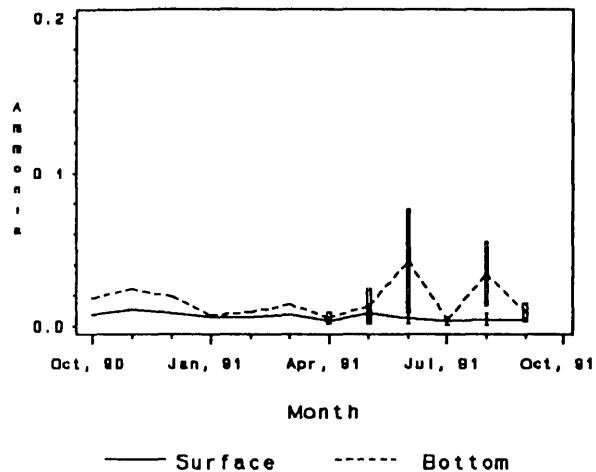
Station Id=LE3.6



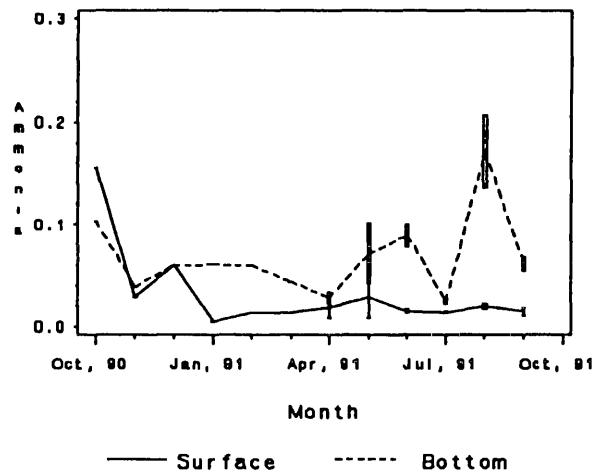
Station Id=LE3.7



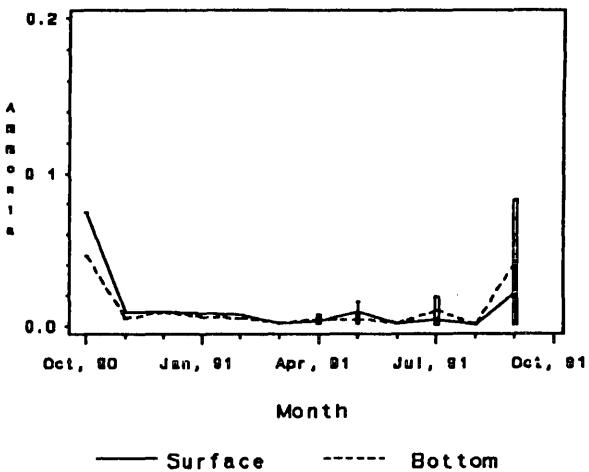
Station Id=WE4.1



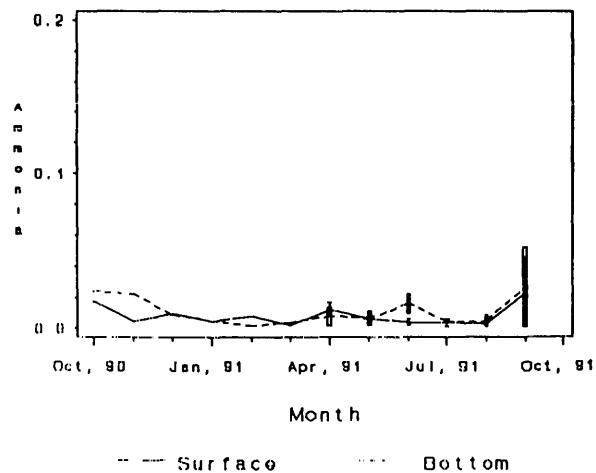
Station Id=WE4.2



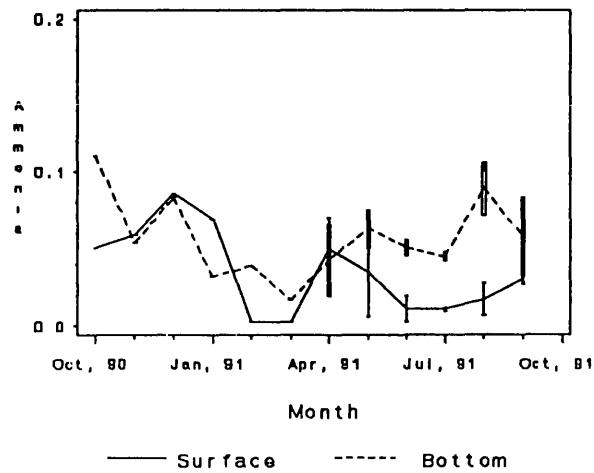
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5



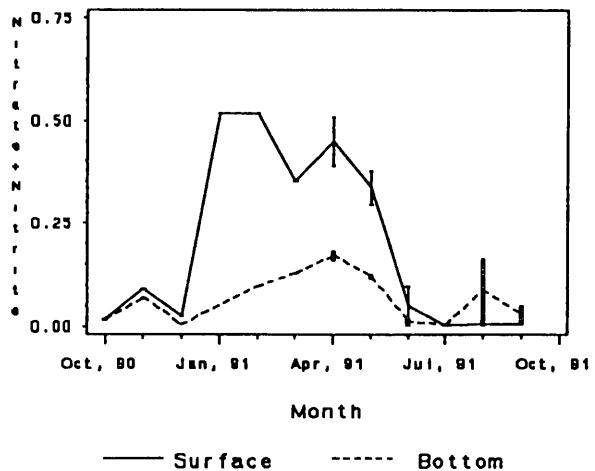
NITRATE + NITRITE

Values reported as mg/l.

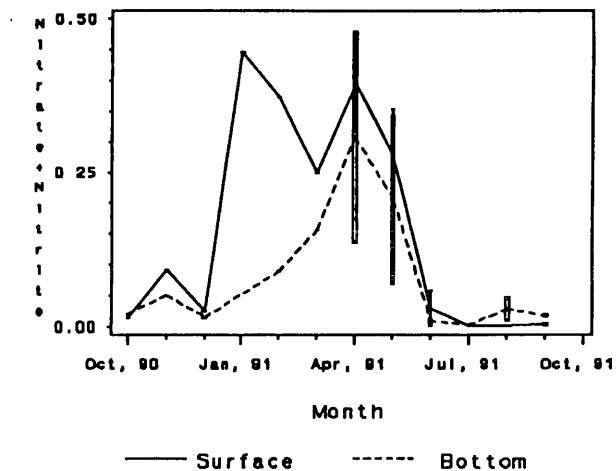
Nitrate+Nitrite
October, 1990 - September, 1991

	Nitrate+Nitrite (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	0.5193	0.1791	0.0012	0.1833	0.0688	0.0012
CB5.5.....	0.4712	0.1511	0.0012	0.4789	0.0868	0.0012
CB6.1.....	0.4595	0.1321	0.0012	0.1902	0.0557	0.0012
CB6.2.....	0.2950	0.0917	0.0012	0.1943	0.0473	0.0012
CB6.3.....	0.3509	0.0890	0.0012	0.1774	0.0502	0.0012
CB6.4.....	0.3271	0.0903	0.0012	0.1720	0.0427	0.0044
CB7.3.....	0.2594	0.0566	0.0012	0.0689	0.0188	0.0025
CB7.4.....	0.1498	0.0376	0.0012	0.0632	0.0111	0.0012
CB7.4N.....	0.2773	0.0344	0.0012	0.0647	0.0136	0.0012
CB8.1E.....	0.1450	0.0363	0.0012	0.0515	0.0090	0.0012
CB8.1.....	0.2073	0.0518	0.0012	0.0913	0.0230	0.0027
EE3.1.....	0.1602	0.0421	0.0012	0.1510	0.0435	0.0012
EE3.2.....	0.3198	0.0692	0.0012	0.1716	0.0542	0.0012
CB7.1N.....	0.3338	0.0903	0.0012	0.2205	0.0676	0.0012
CB7.1.....	0.3664	0.0944	0.0012	0.1867	0.0501	0.0012
CB7.1S.....	0.4634	0.1078	0.0012	0.1751	0.0441	0.0012
CB5.4W.....	0.4313	0.1032	0.0012	0.3741	0.1255	0.0012
CB7.2.....	0.3237	0.0911	0.0012	0.1297	0.0342	0.0012
CB7.2E.....	0.2634	0.0682	0.0012	0.1902	0.0457	0.0012
CB7.3E.....	0.3095	0.0628	0.0012	0.1058	0.0318	0.0012
LE3.6.....	0.3624	0.0763	0.0012	0.3461	0.1033	0.0012
LE3.7.....	0.1835	0.0436	0.0012	0.2493	0.0666	0.0012
WE4.1.....	0.1362	0.0315	0.0012	0.1949	0.0414	0.0012
WE4.2.....	0.1511	0.0383	0.0012	0.1373	0.0338	0.0012
WE4.3.....	0.1751	0.0230	0.0012	0.1227	0.0195	0.0012
WE4.4.....	0.0848	0.0166	0.0012	0.1031	0.0180	0.0012
LE5.5.....	0.2078	0.0742	0.0037	0.0860	0.0280	0.0039

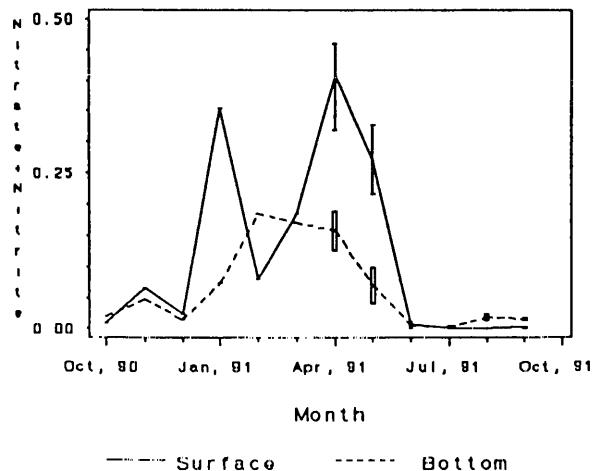
Station Id=CB5.4



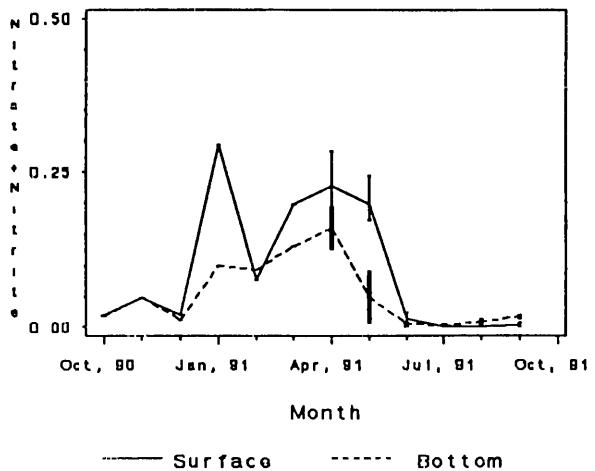
Station Id=CB5.5



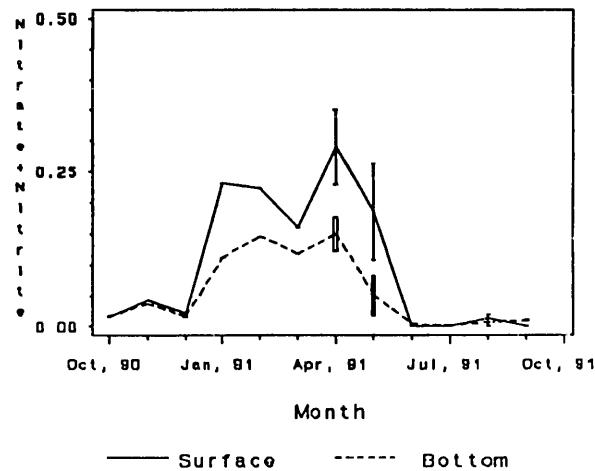
Station Id=CB6.1



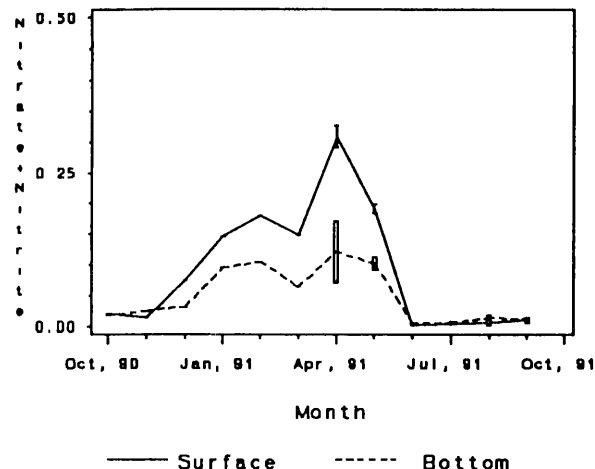
Station Id=CB6.2



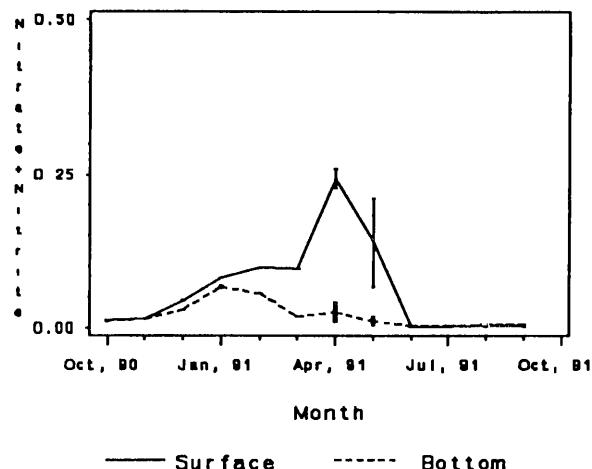
Station Id=CB6.3



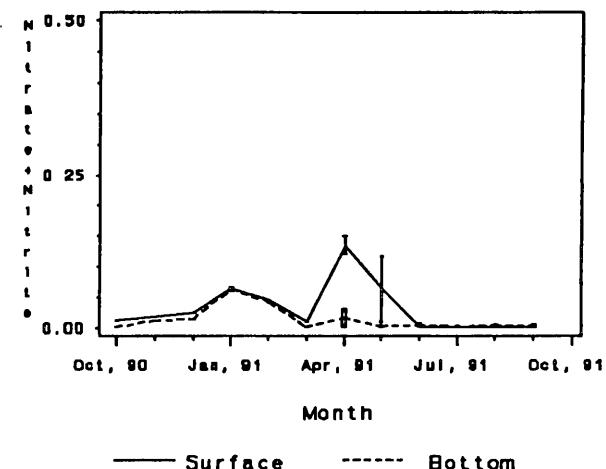
Station Id=CB6.4



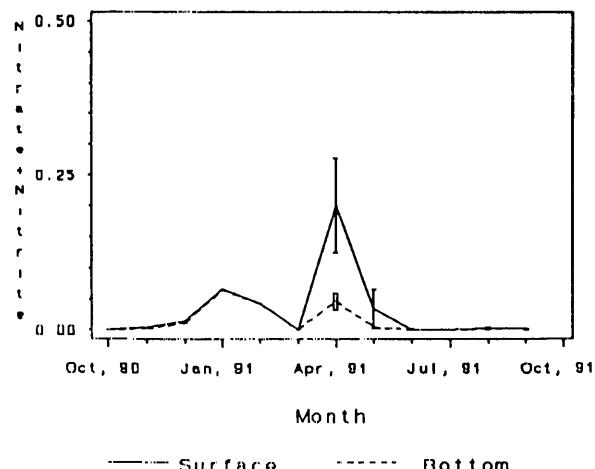
Station Id=CB7.3



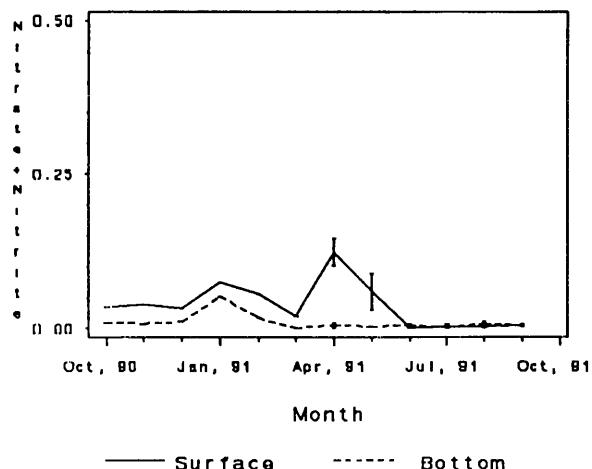
Station Id=CB7.4



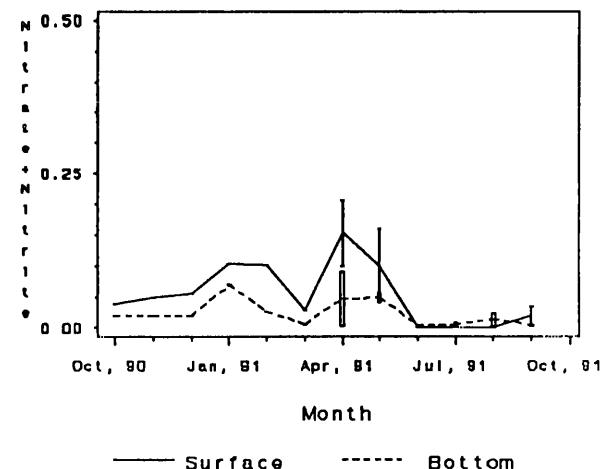
Station Id=CB7.4N



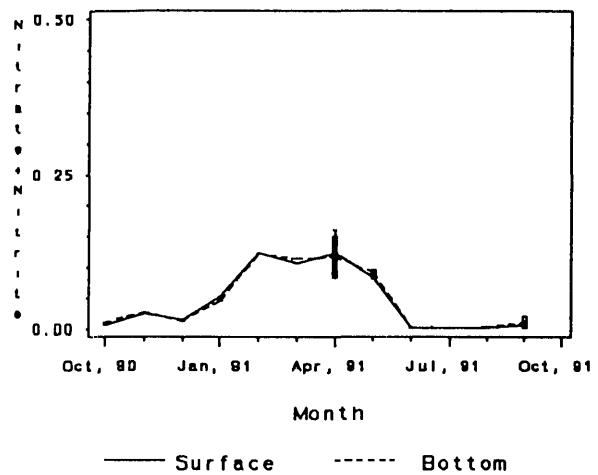
Station Id=CB8.1E



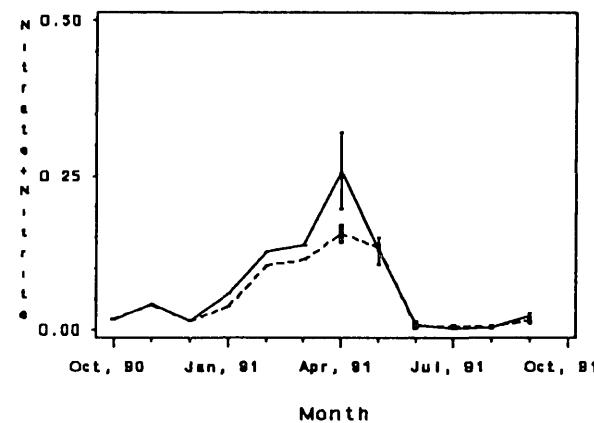
Station Id=CB8.1



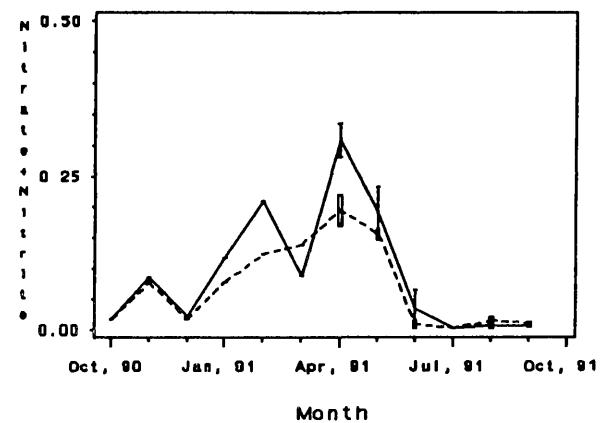
Station Id=EE3.1



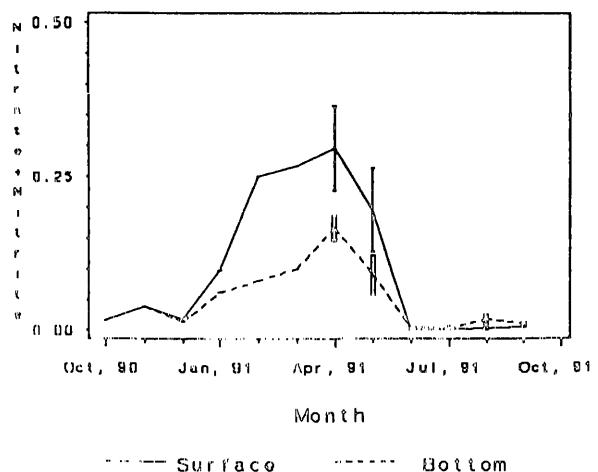
Station Id=EE3.2



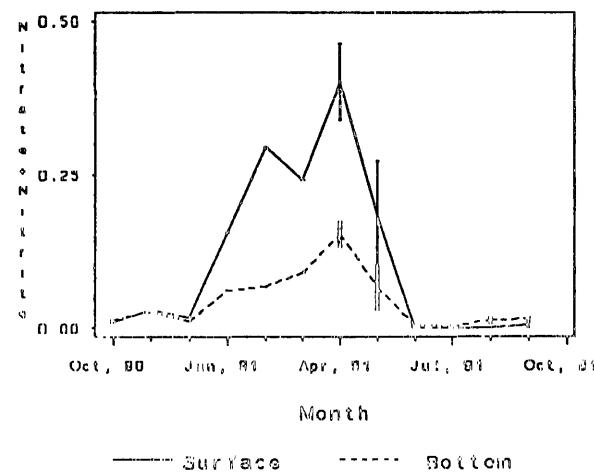
Station Id=CB7.1N



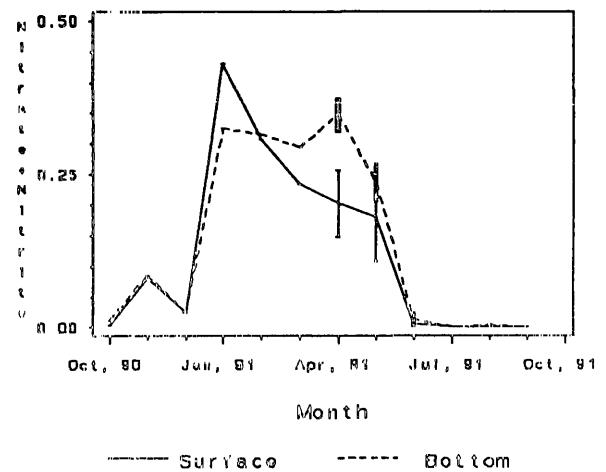
Station Id=CB7.1



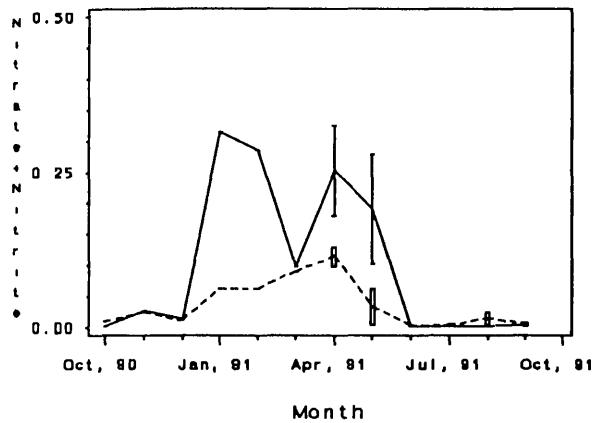
Station Id=CB7.1S



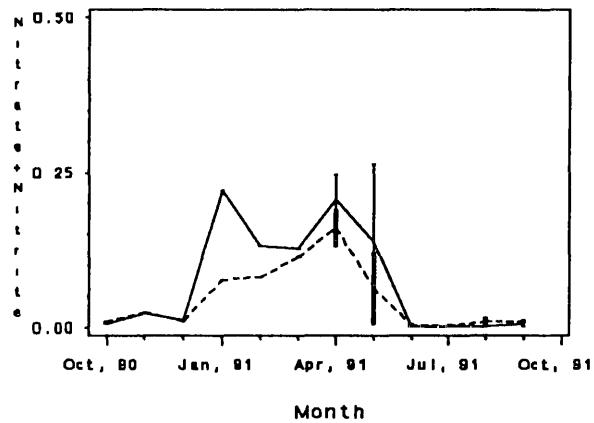
Station Id=CB5.4W



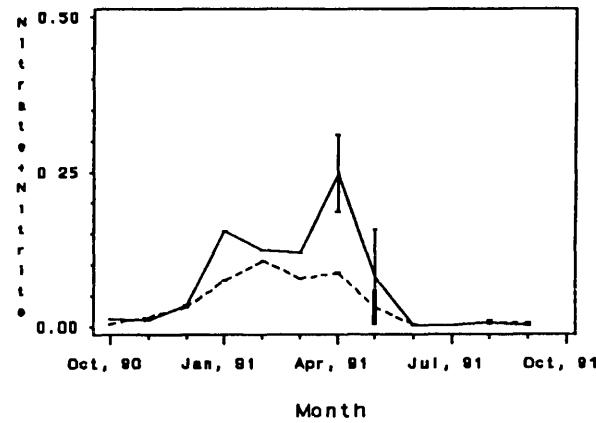
Station Id=CB7.2



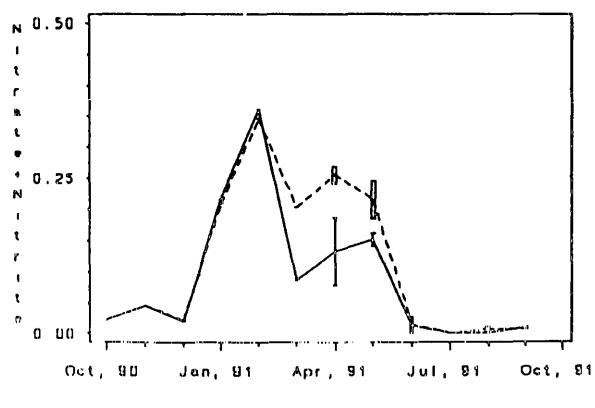
Station Id=CB7.2E



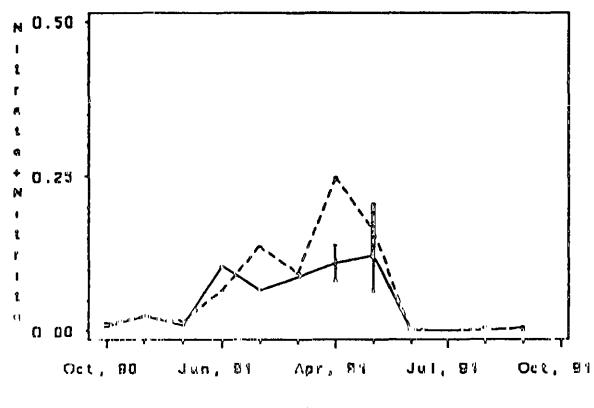
Station Id=CB7.3E



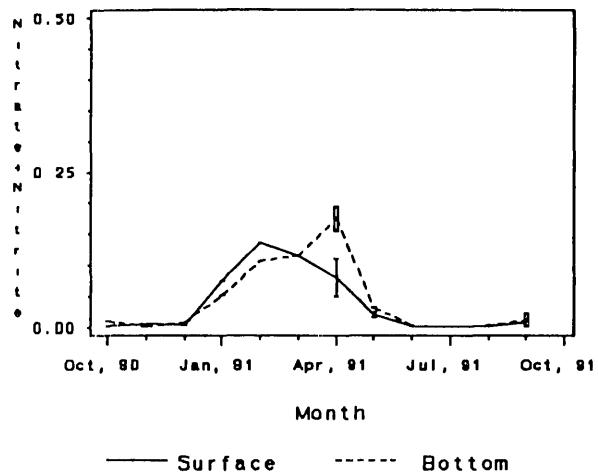
Station Id=LE3.6



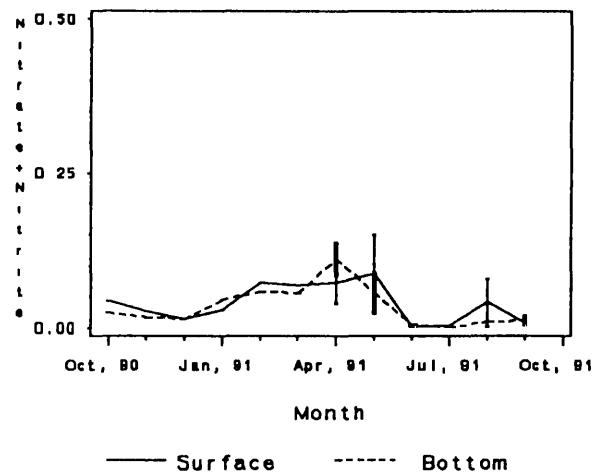
Station Id=LE3.7



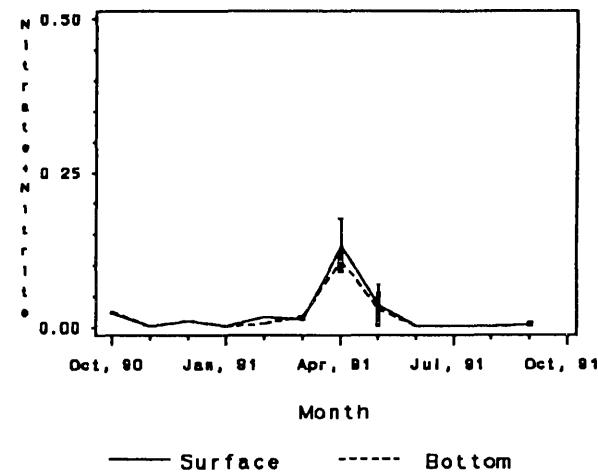
Station Id=WE4.1



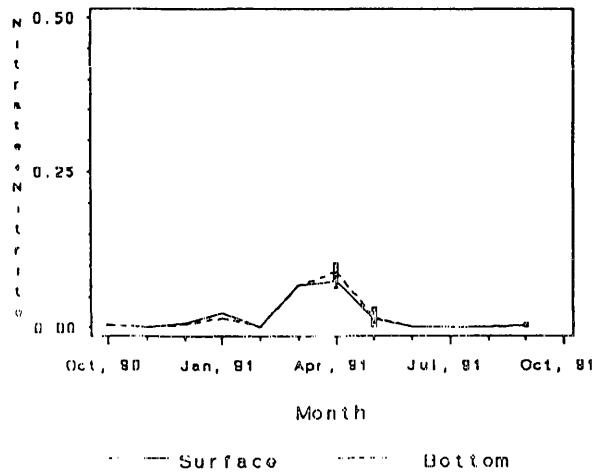
Station Id=WE4.2



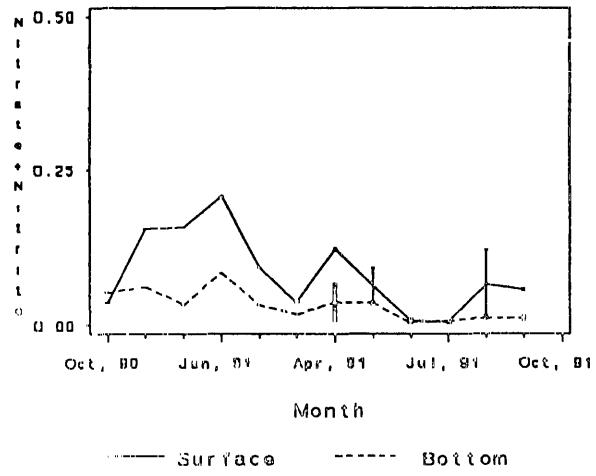
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5



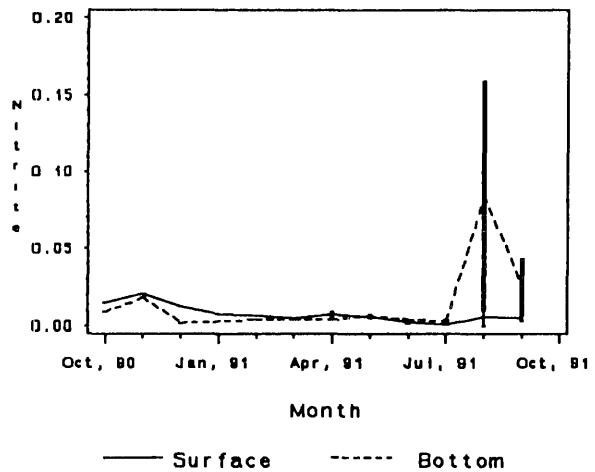
NITRITE

Values reported as mg/l.

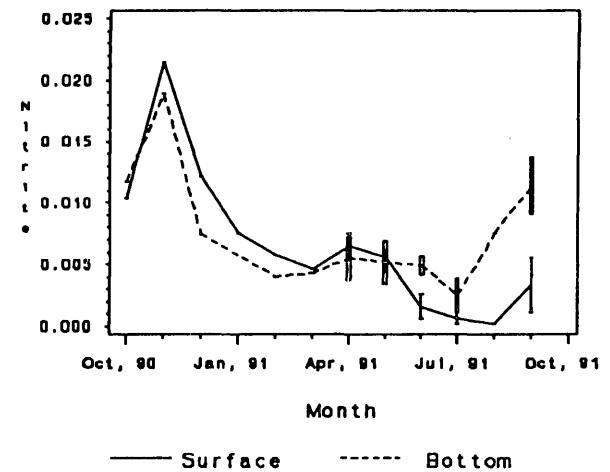
Nitrite
October, 1990 - September, 1991

	Nitrite (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	0.0205	0.0067	0.0003	0.1591	0.0172	0.0016
CB5.5.....	0.0214	0.0052	0.0003	0.0461	0.0093	0.0011
CB6.1.....	0.0167	0.0046	0.0003	0.0242	0.0067	0.0005
CB6.2.....	0.0136	0.0045	0.0003	0.0139	0.0058	0.0003
CB6.3.....	0.0175	0.0056	0.0003	0.0113	0.0052	0.0007
CB6.4.....	0.0244	0.0058	0.0005	0.0145	0.0052	0.0005
CB7.3.....	0.0087	0.0033	0.0005	0.0060	0.0024	0.0005
CB7.4.....	0.0054	0.0023	0.0005	0.0053	0.0013	0.0005
CB7.4N.....	0.0050	0.0017	0.0005	0.0047	0.0012	0.0005
CB8.1E.....	0.0098	0.0029	0.0005	0.0069	0.0017	0.0005
CB8.1.....	0.0150	0.0037	0.0005	0.0129	0.0030	0.0005
EE3.1.....	0.0073	0.0034	0.0003	0.0156	0.0044	0.0003
EE3.2.....	0.0215	0.0049	0.0003	0.0170	0.0054	0.0003
CB7.1N.....	0.0184	0.0051	0.0003	0.0189	0.0063	0.0015
CB7.1.....	0.0104	0.0044	0.0003	0.0259	0.0065	0.0009
CB7.1S.....	0.0117	0.0043	0.0003	0.0161	0.0056	0.0003
CB5.4W.....	0.0184	0.0043	0.0003	0.0178	0.0050	0.0005
CB7.2.....	0.0094	0.0032	0.0003	0.0110	0.0044	0.0009
CB7.2E.....	0.0078	0.0033	0.0003	0.0115	0.0044	0.0009
CB7.3E.....	0.0076	0.0032	0.0005	0.0060	0.0026	0.0005
LE3.6.....	0.0113	0.0043	0.0003	0.0120	0.0057	0.0010
LE3.7.....	0.0065	0.0027	0.0003	0.0075	0.0038	0.0003
WE4.1.....	0.0115	0.0026	0.0003	0.0203	0.0037	0.0003
WE4.2.....	0.0738	0.0088	0.0003	0.0184	0.0052	0.0003
WE4.3.....	0.0099	0.0022	0.0003	0.0091	0.0021	0.0003
WE4.4.....	0.0048	0.0017	0.0003	0.0040	0.0016	0.0003
LE5.5.....	0.0723	0.0107	0.0005	0.0135	0.0041	0.0011

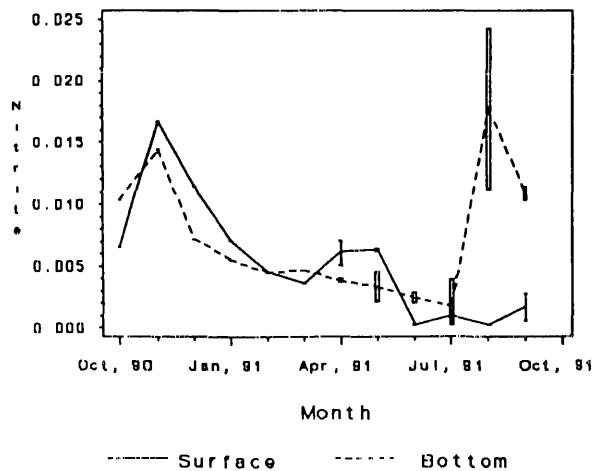
Station Id=CB5.4



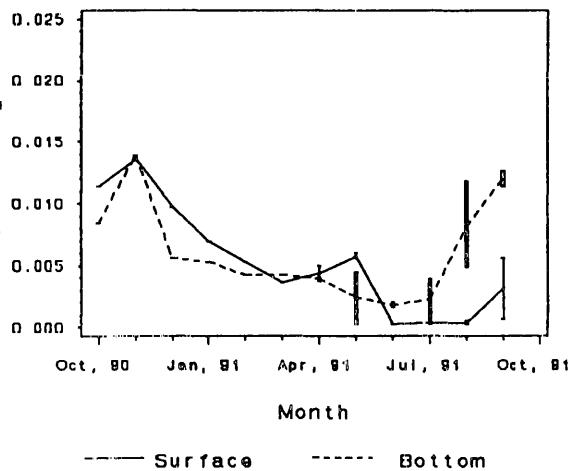
Station Id=CB5.5



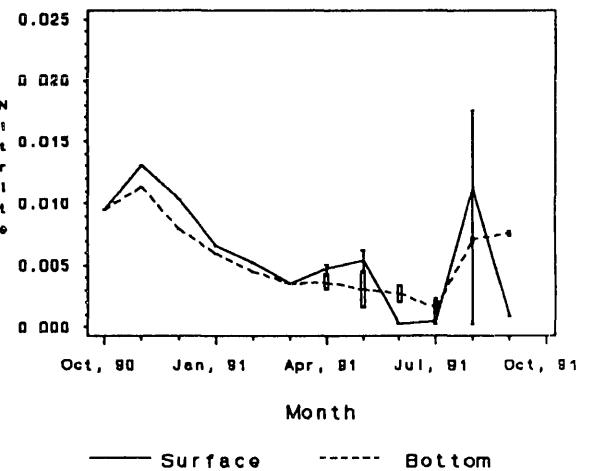
Station Id=CB6.1



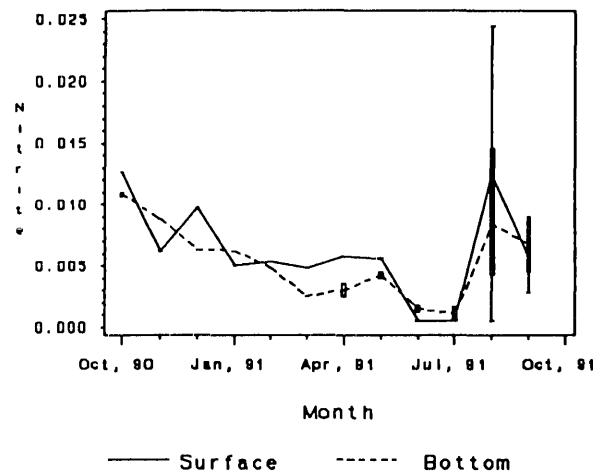
Station Id=CB6.2



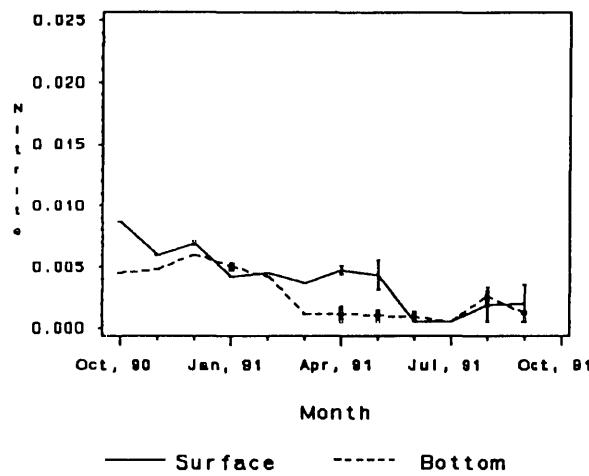
Station Id=CB6.3



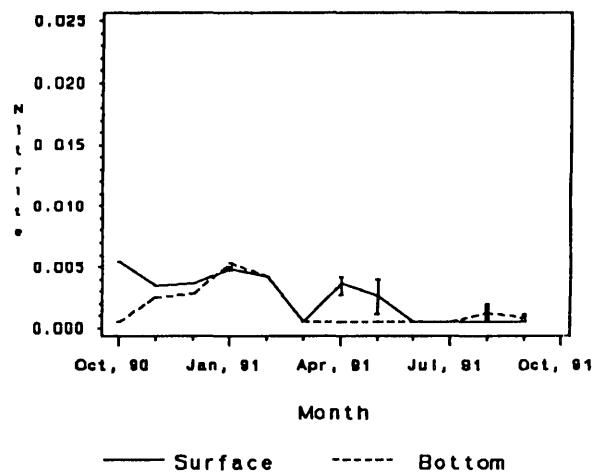
Station Id=CB6.4



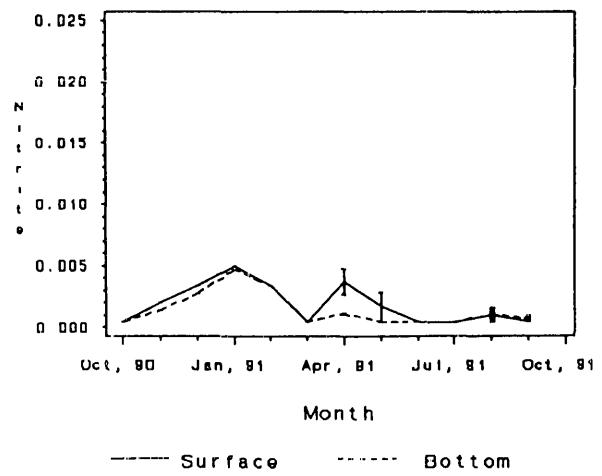
Station Id=CB7.3



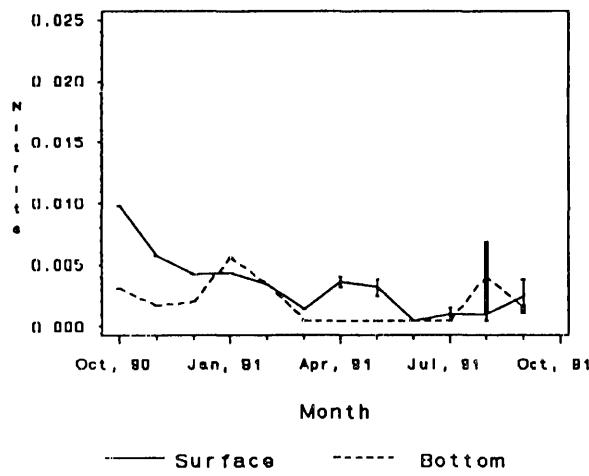
Station Id=CB7.4



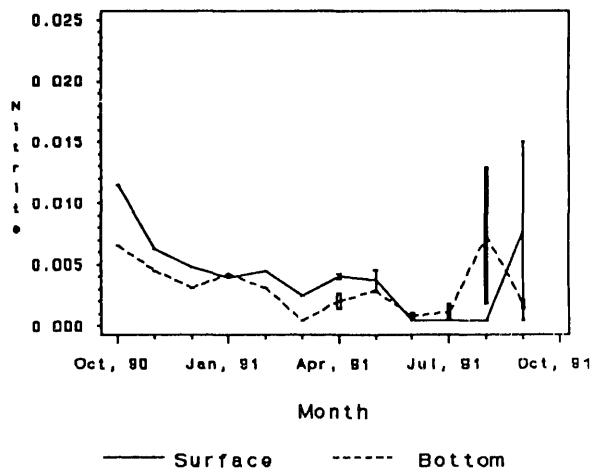
Station Id=CB7.4N



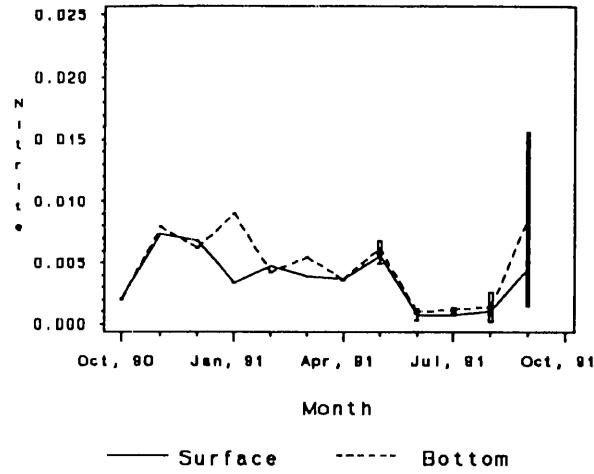
Station Id=CB8.1E



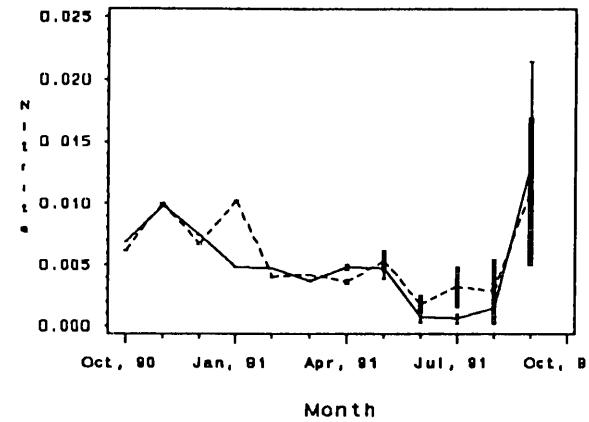
Station Id=CB8.1



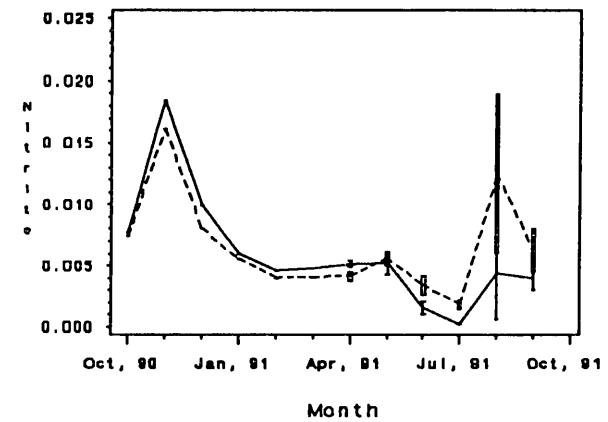
Station Id=EE3.1



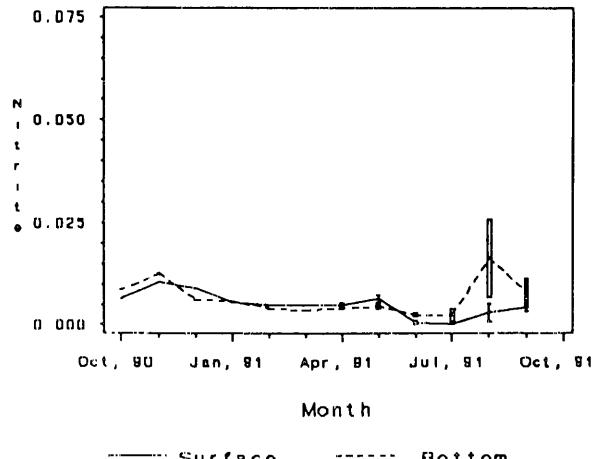
Station Id=EE3.2



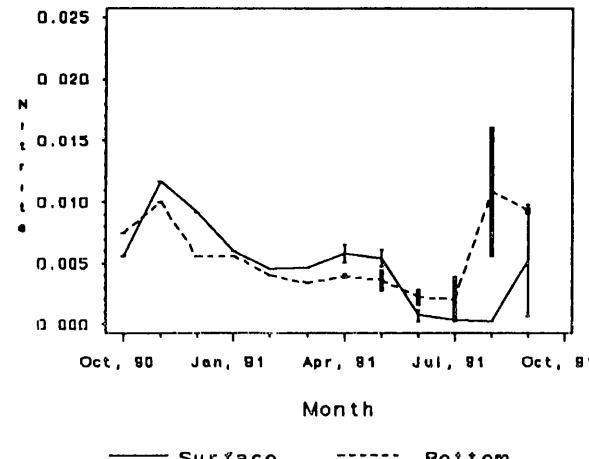
Station Id=CB7.1N



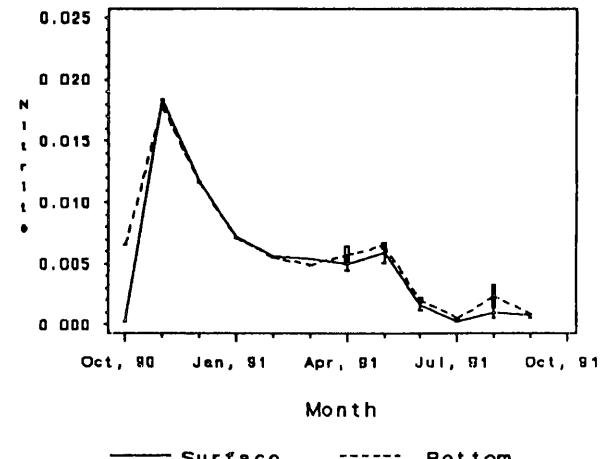
Station Id=CB7.1



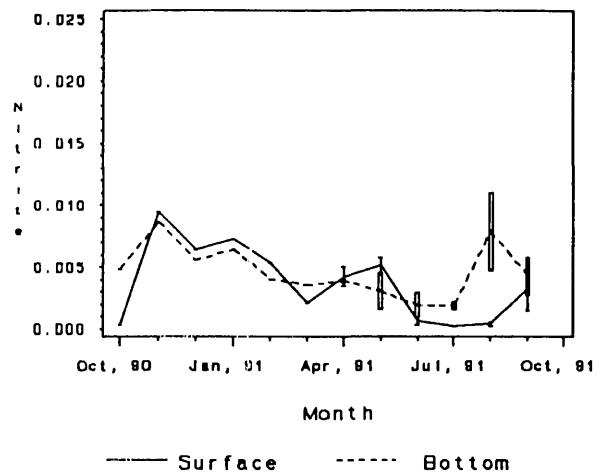
Station Id=CB7.1S



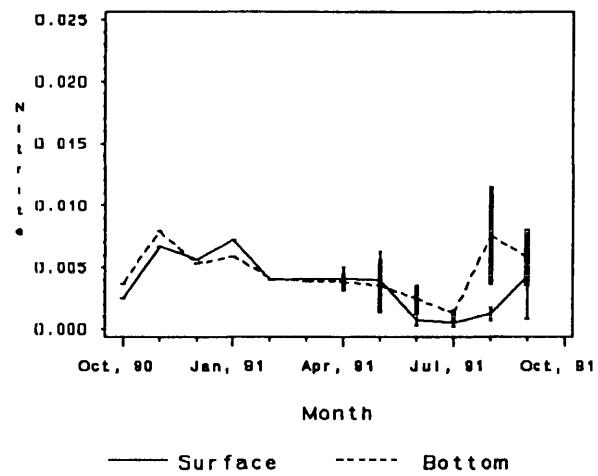
Station Id=CB5.4W



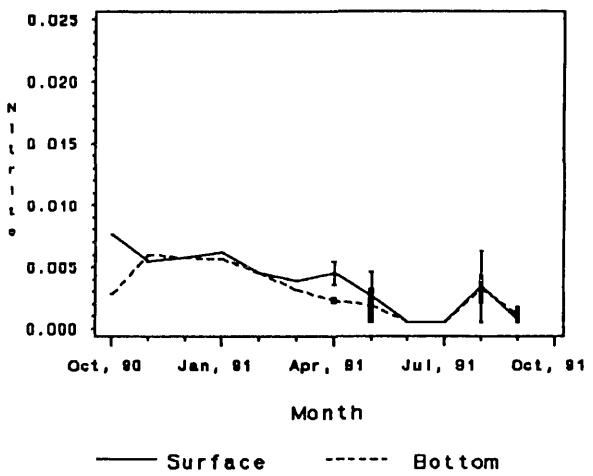
Station Id=CB7.2



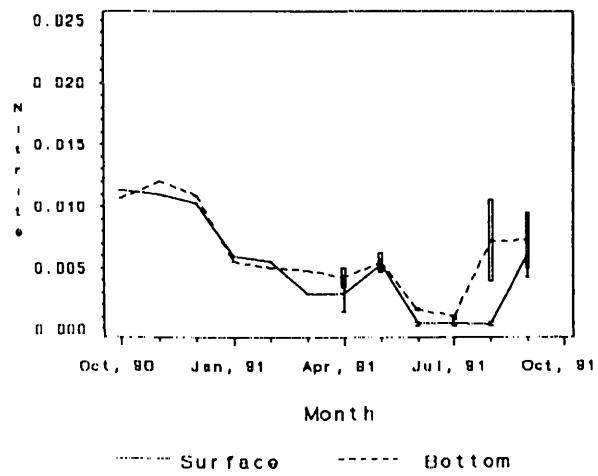
Station Id=CB7.2E



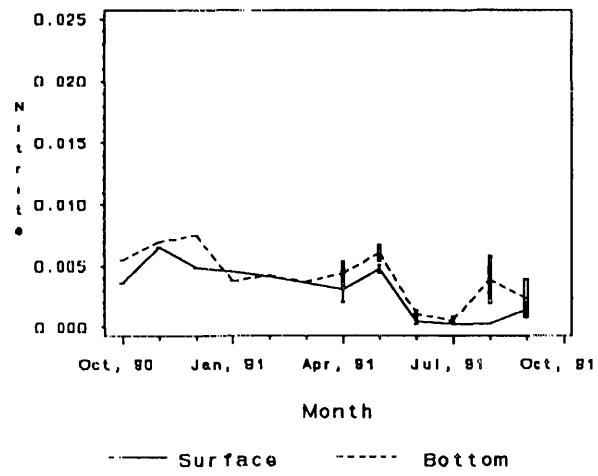
Station Id=CB7.3E



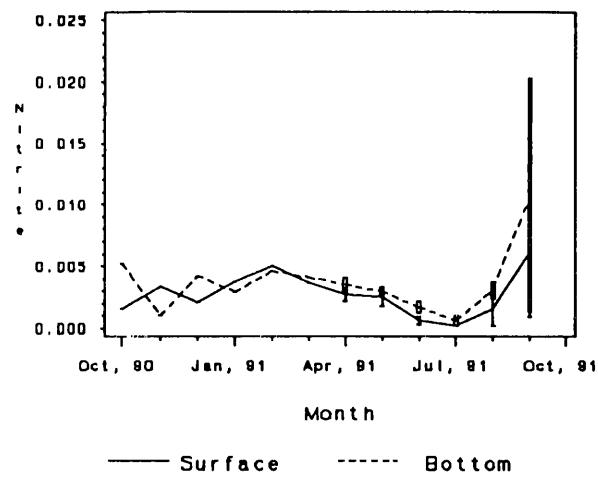
Station Id=LE3.6



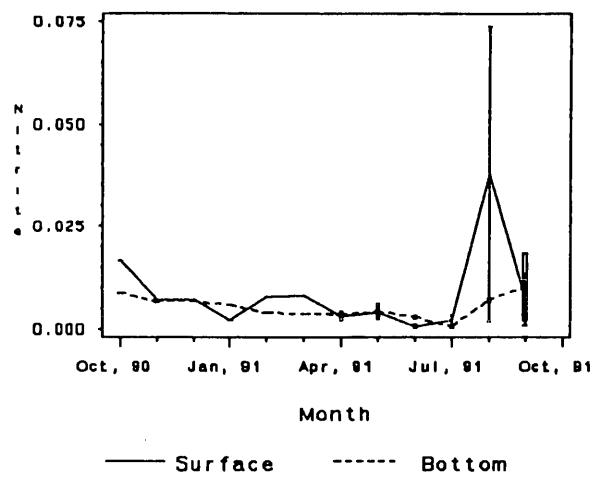
Station Id=LE3.7



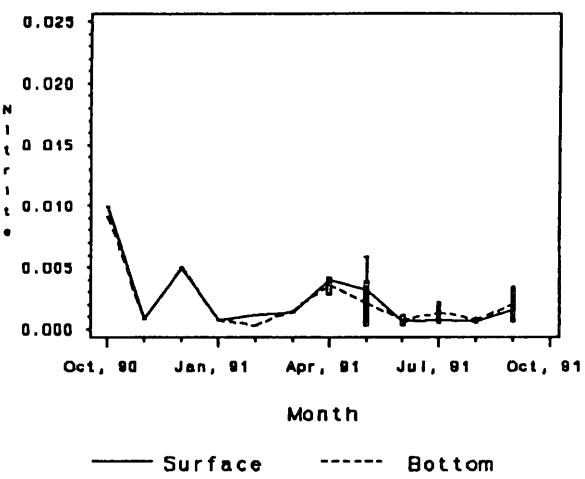
Station Id=WE4.1



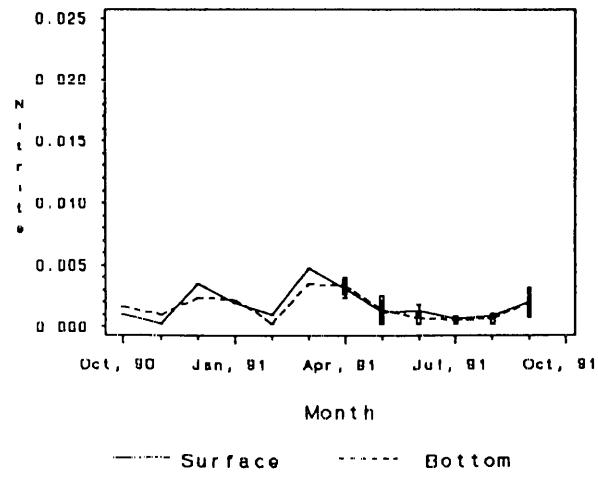
Station Id=WE4.2



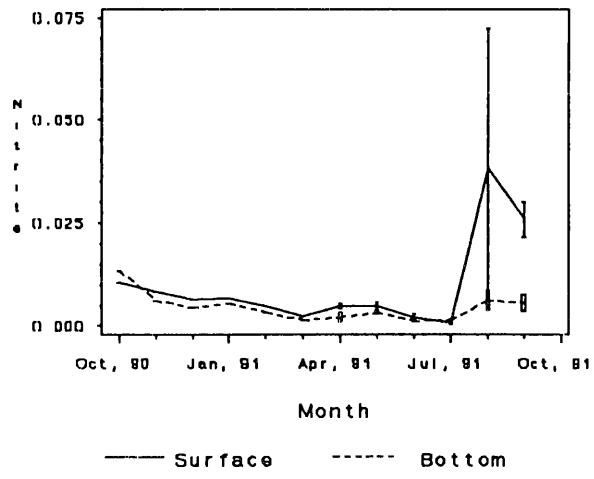
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5



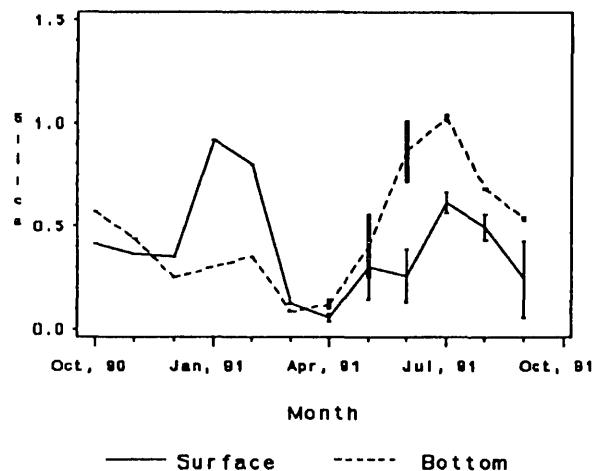
DISSOLVED SILICA

Values reported as mg/l.

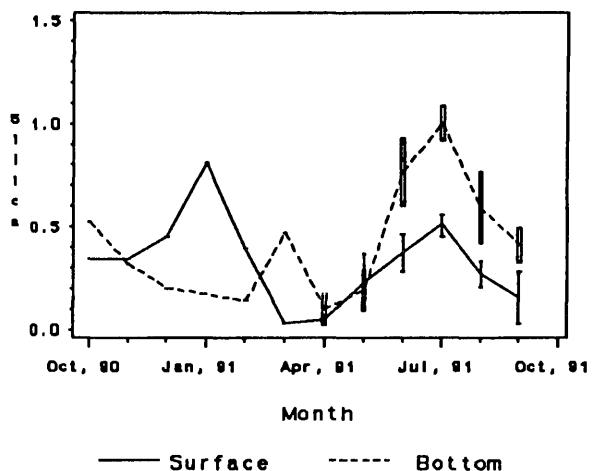
Silica
October, 1990 - September, 1991

	Dissolved Silica (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	0.9140	0.3832	0.0350	1.0450	0.5269	0.0850
CB5.5.....	0.8120	0.3117	0.0310	1.0840	0.4582	0.0260
CB6.1.....	0.6070	0.2435	0.0240	1.1300	0.4209	0.0470
CB6.2.....	0.4670	0.2481	0.0350	0.9130	0.3692	0.0960
CB6.3.....	0.6780	0.2555	0.0270	0.7230	0.3116	0.1110
CB6.4.....	0.5560	0.2064	0.0140	0.6590	0.3424	0.0320
CB7.3.....	0.4060	0.1673	0.0360	0.3950	0.1894	0.0140
CB7.4.....	0.7290	0.1535	0.0115	0.2780	0.1391	0.0320
CB7.4N.....	0.2070	0.0896	0.0140	0.2940	0.0986	0.0115
CB8.1E.....	0.6160	0.2187	0.0400	0.5110	0.1783	0.0580
CB8.1.....	1.1730	0.3219	0.0460	0.6390	0.2496	0.0720
EE3.1.....	1.0630	0.4865	0.0210	1.0980	0.4849	0.0250
EE3.2.....	0.9980	0.3109	0.0230	1.1570	0.3410	0.0240
CB7.1N.....	0.7310	0.2470	0.0210	0.9100	0.3522	0.0490
CB7.1.....	0.6930	0.2099	0.0210	0.9130	0.3504	0.0700
CB7.1S.....	0.4350	0.2097	0.0150	0.6270	0.3153	0.0850
CB5.4W.....	0.8100	0.4314	0.0330	1.2530	0.4177	0.0290
CB7.2.....	0.4870	0.1946	0.0340	0.4630	0.2844	0.0960
CB7.2E.....	0.5360	0.1846	0.0290	0.4360	0.2321	0.0690
CB7.3E.....	0.3090	0.1383	0.0140	0.3150	0.1793	0.0140
LE3.6.....	0.6390	0.3918	0.0480	0.8390	0.3698	0.0610
LE3.7.....	0.7590	0.3719	0.0230	0.9520	0.3602	0.0290
WE4.1.....	0.9400	0.3157	0.0380	1.0770	0.2871	0.0330
WE4.2.....	0.7920	0.3192	0.0500	0.9190	0.3868	0.1240
WE4.3.....	0.7360	0.2630	0.0530	0.8470	0.2730	0.0690
WE4.4.....	0.5560	0.2192	0.0180	0.6150	0.2256	0.0260
LE5.5.....	1.5230	0.5513	0.1770	0.5330	0.3226	0.0960

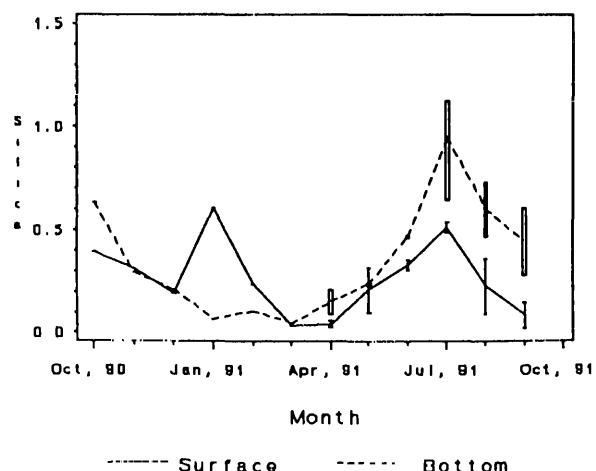
Station Id=CB5.4



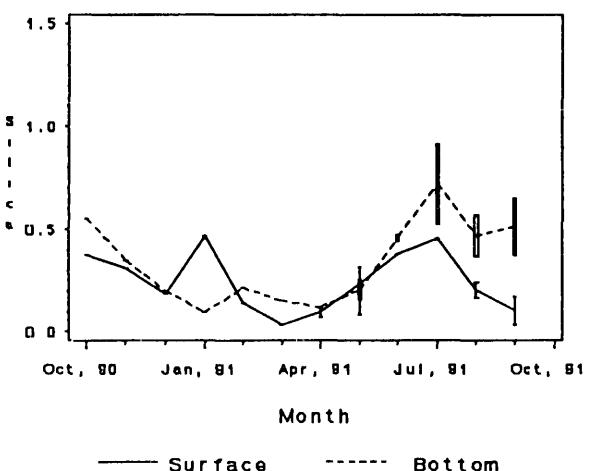
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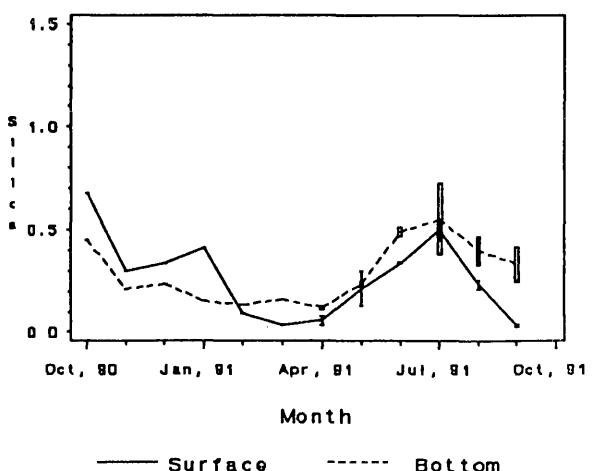
Station Id=CB6.1



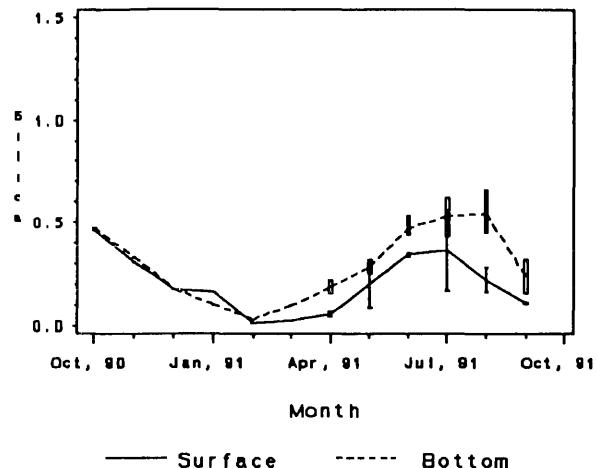
Station Id=CB6.2



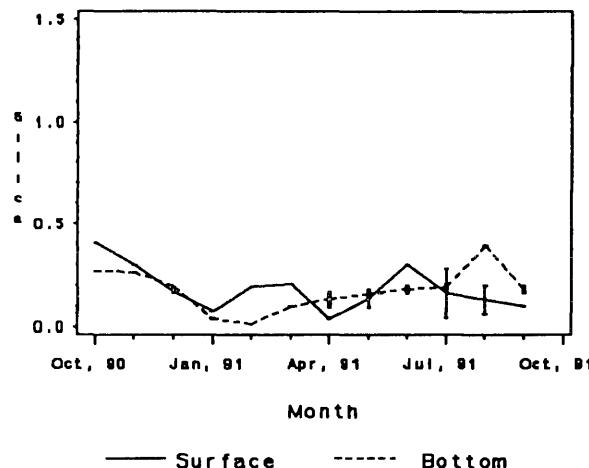
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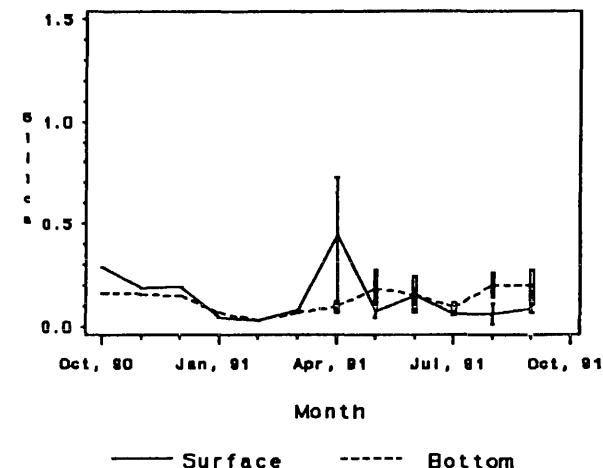
Station Id=CB6.4



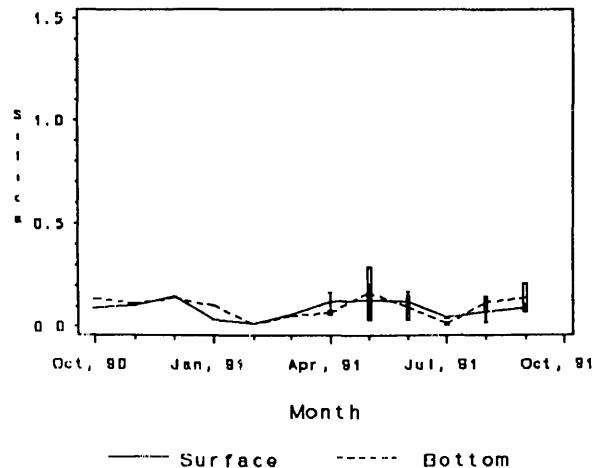
Station Id=CB7.3



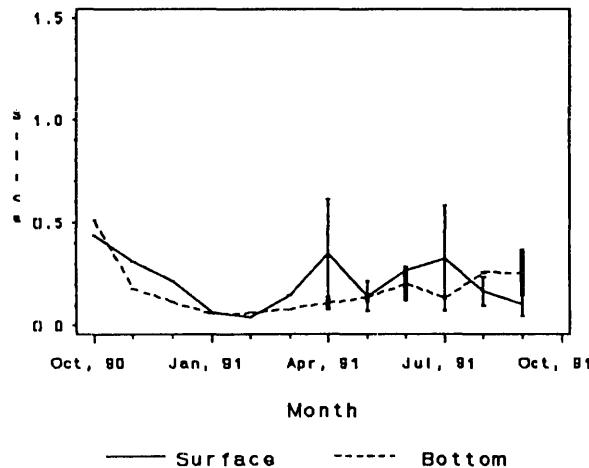
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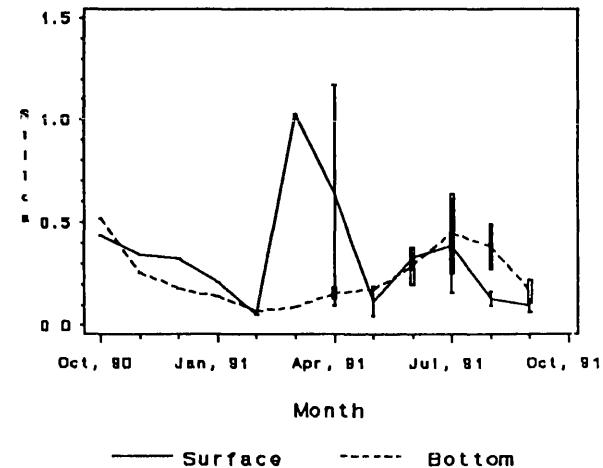
Station Id=CB7.4N



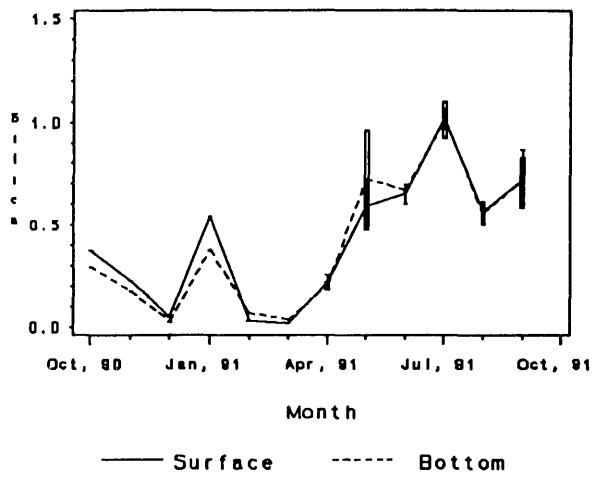
Station Id=CB8.1E



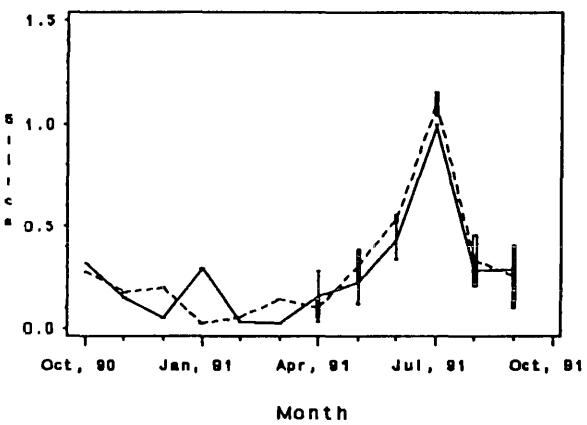
Station Id=CB8.1



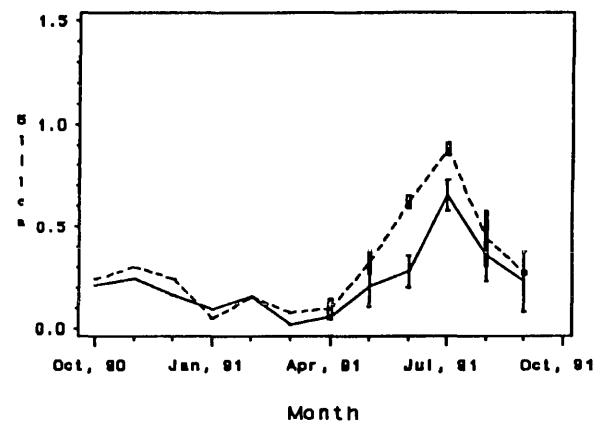
Station Id=EE3.1



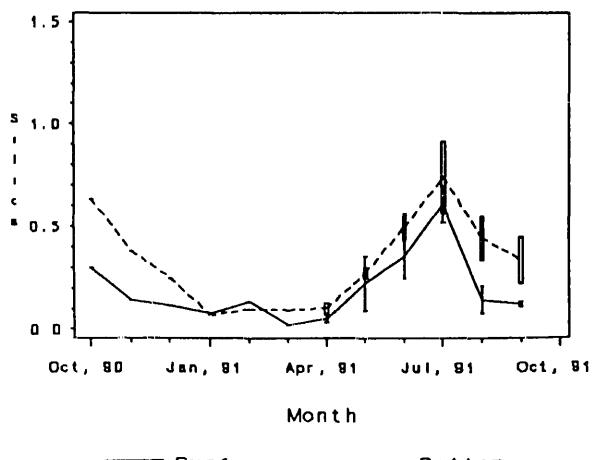
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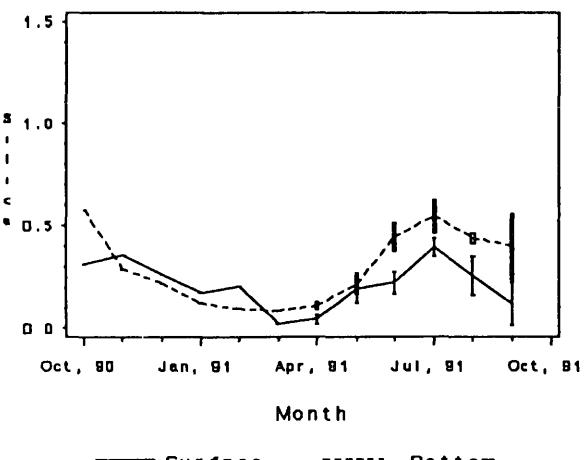
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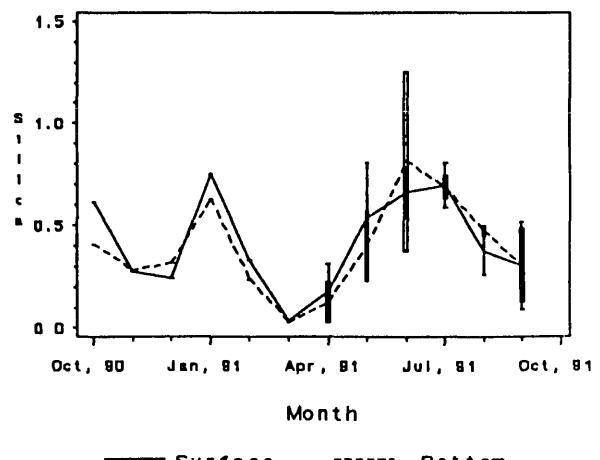
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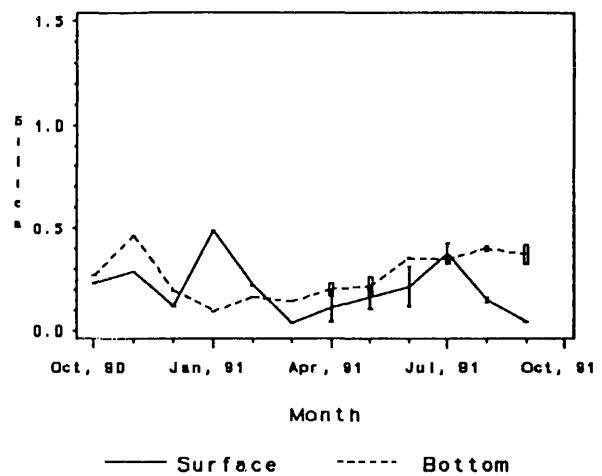
Station Id=CB7.1S



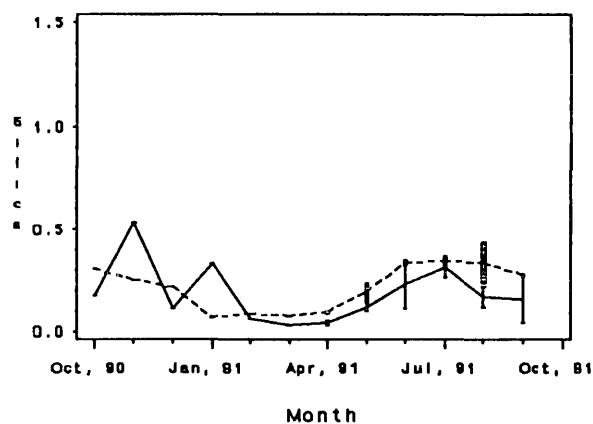
Station Id=CB5.4W



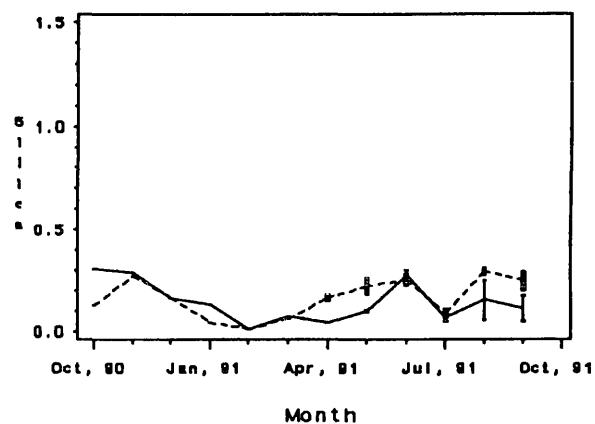
Station Id=CB7.2



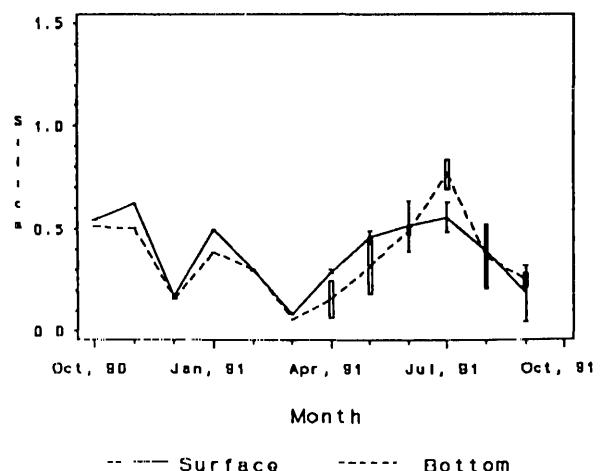
Station Id=CB7.2E



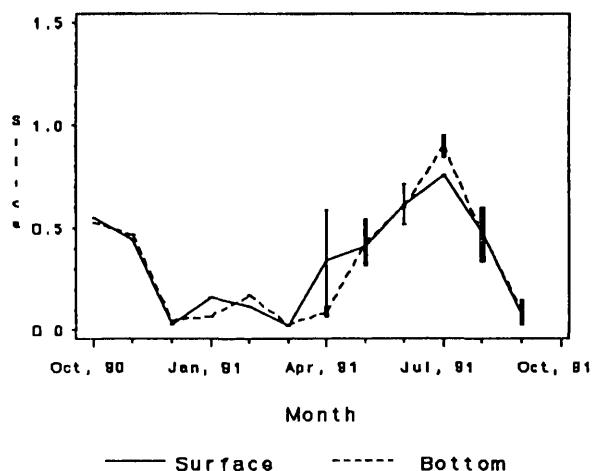
Station Id=CB7.3E



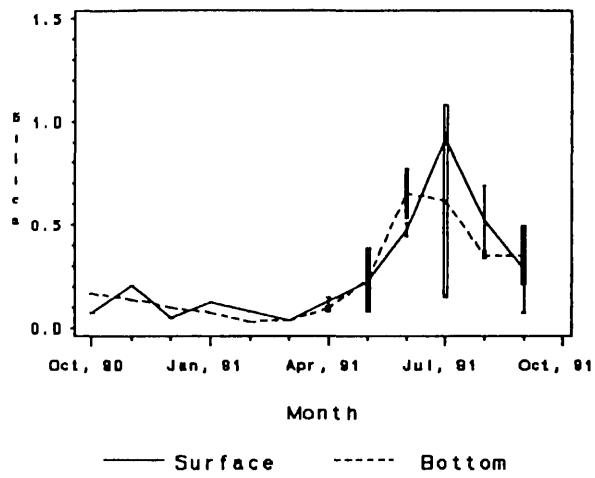
Station Id=LE3.6



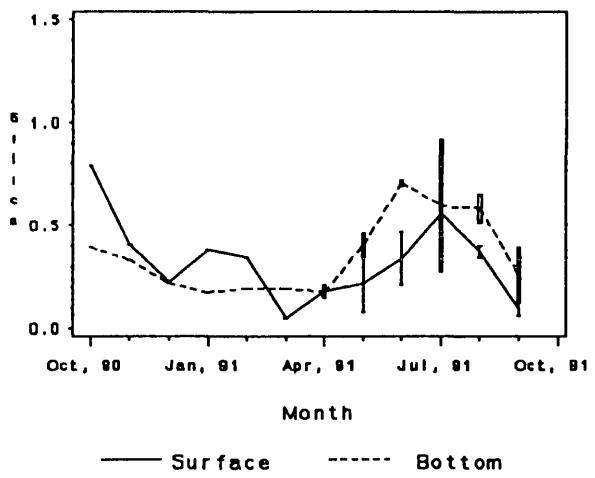
Station Id=LE3.7



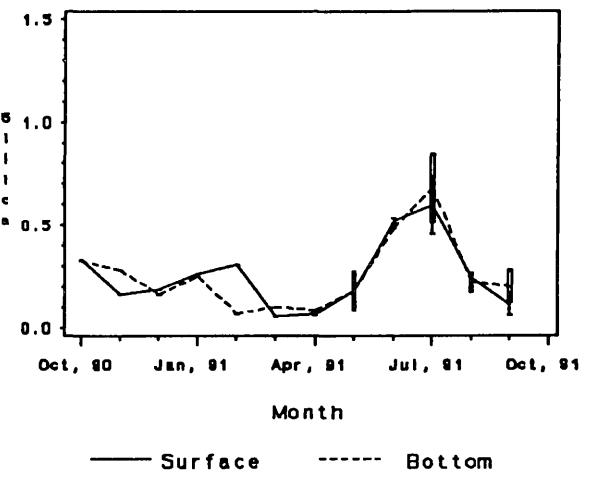
Station Id=WE4.1



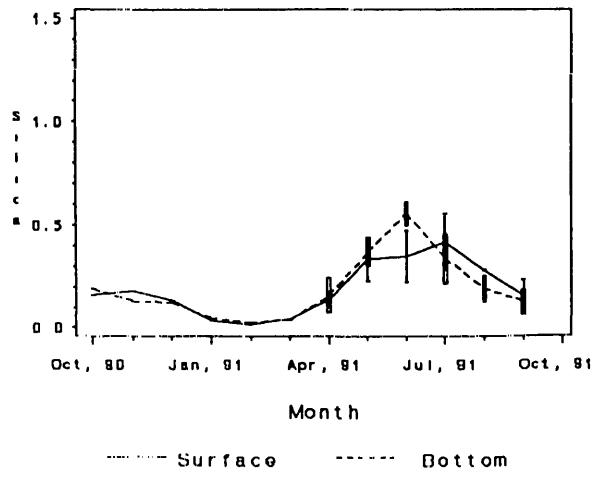
Station Id=WE4.2



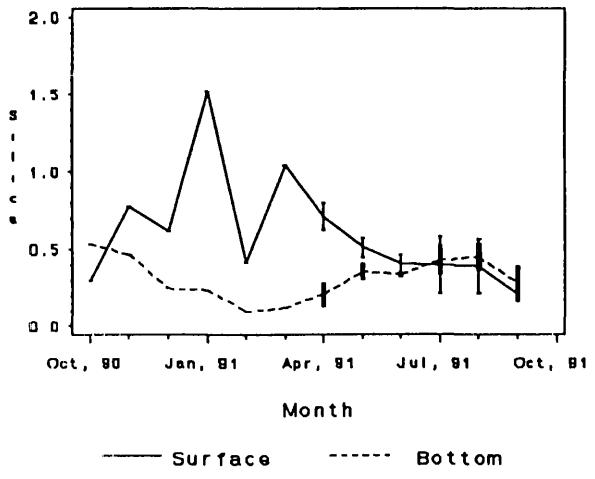
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5

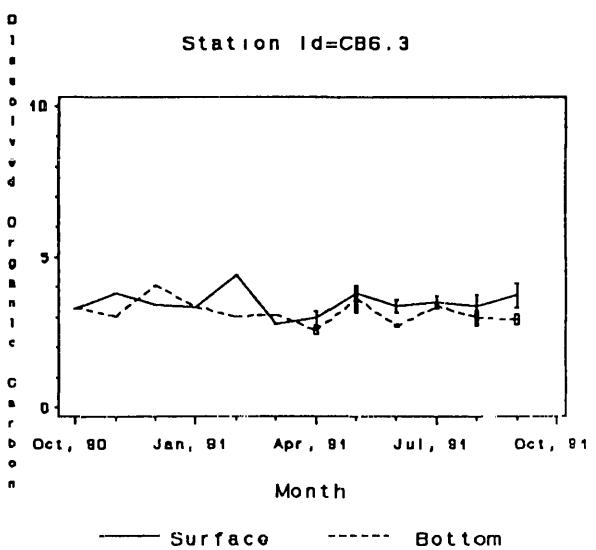
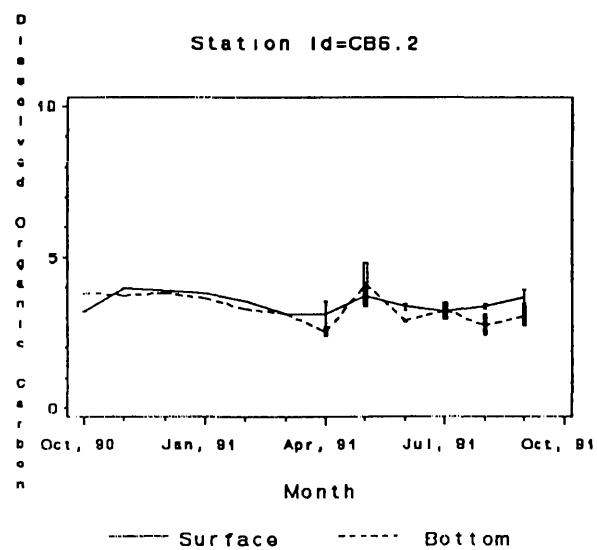
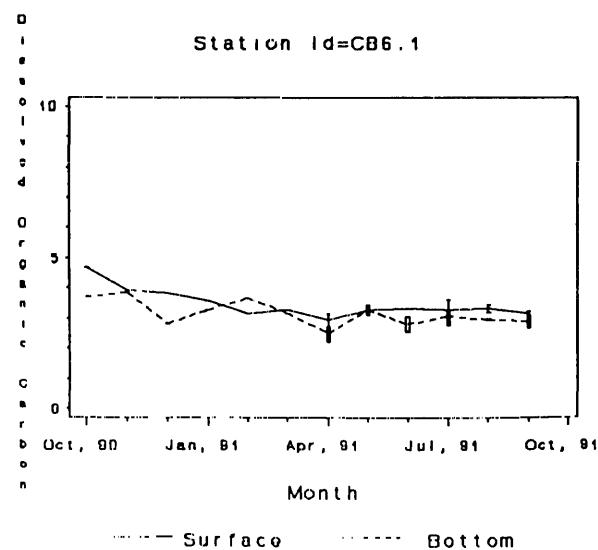
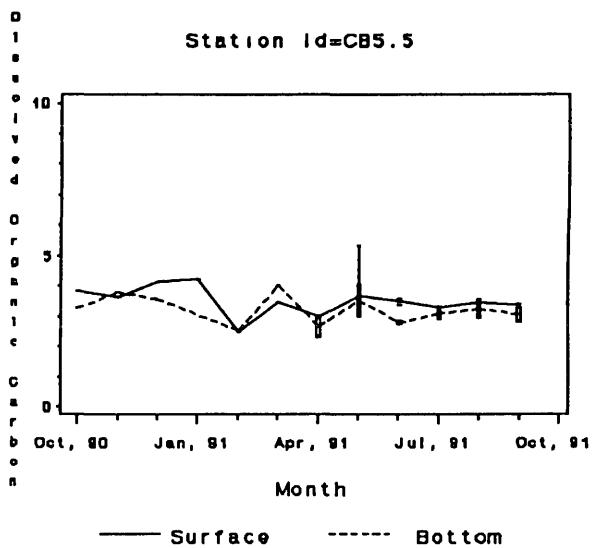
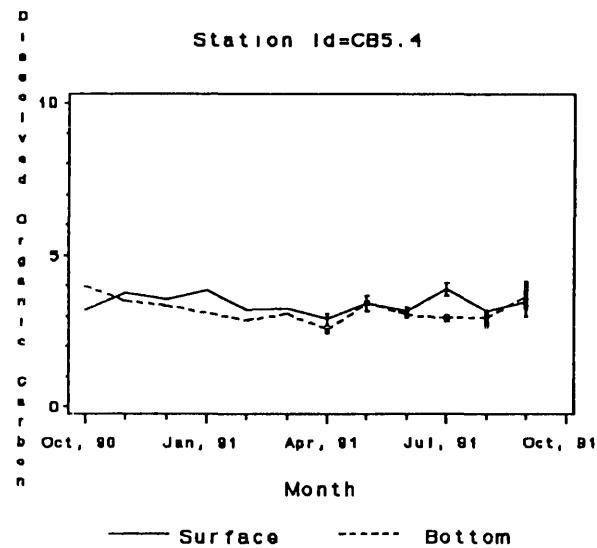


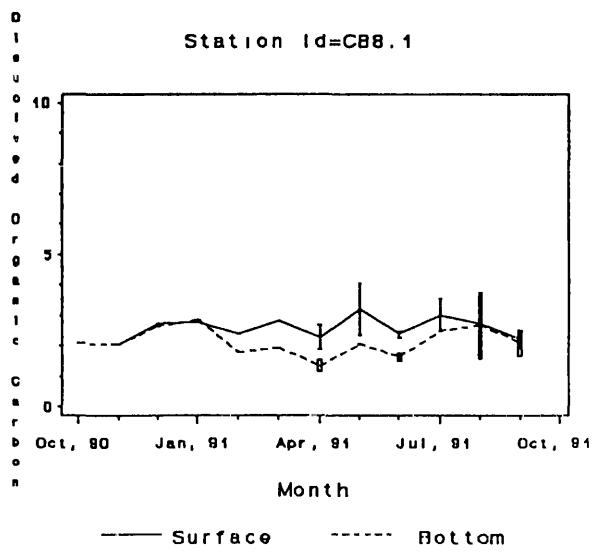
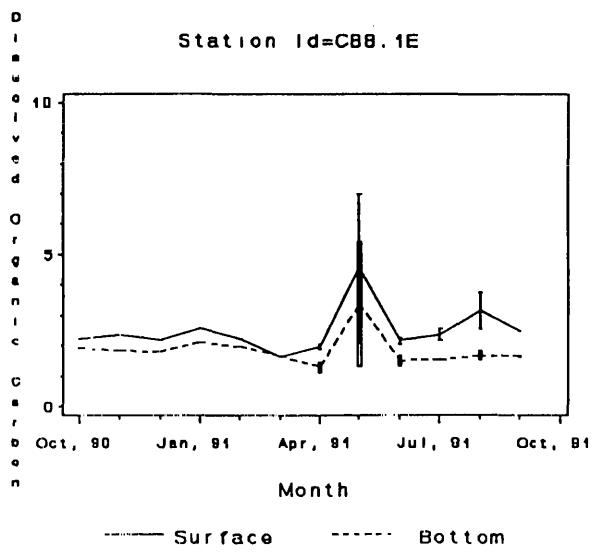
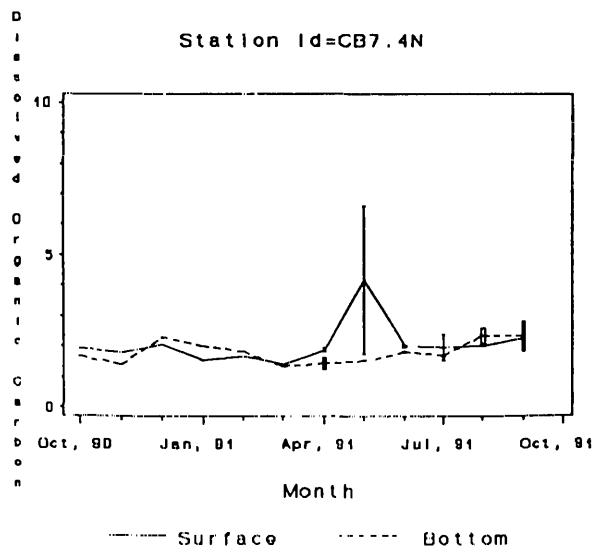
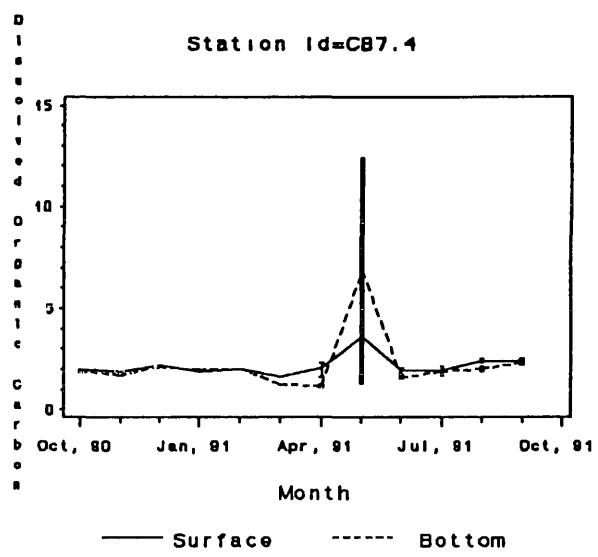
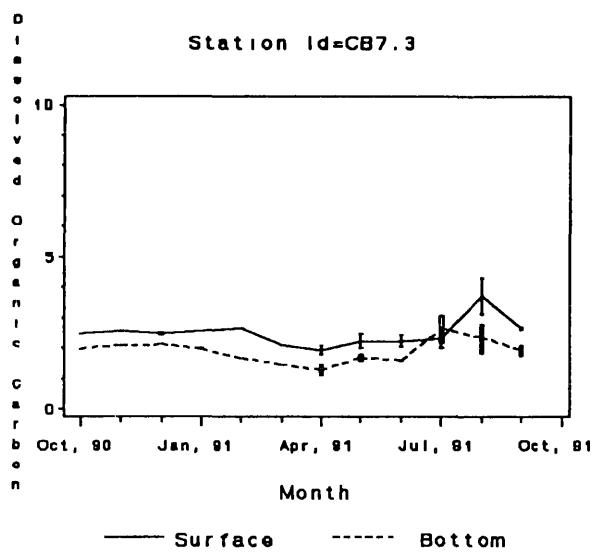
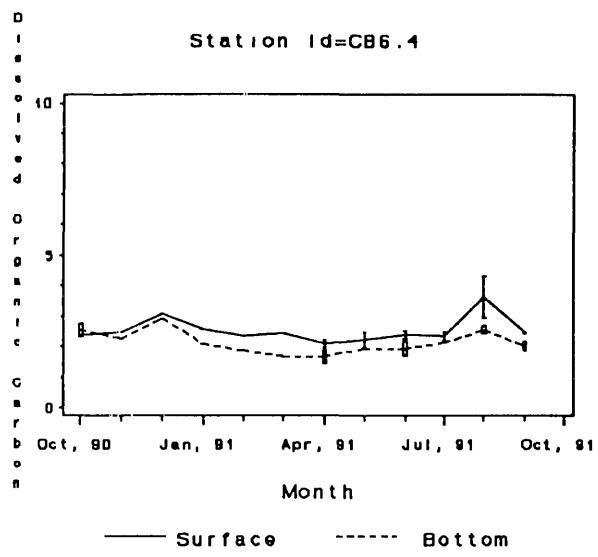
DISSOLVED ORGANIC CARBON

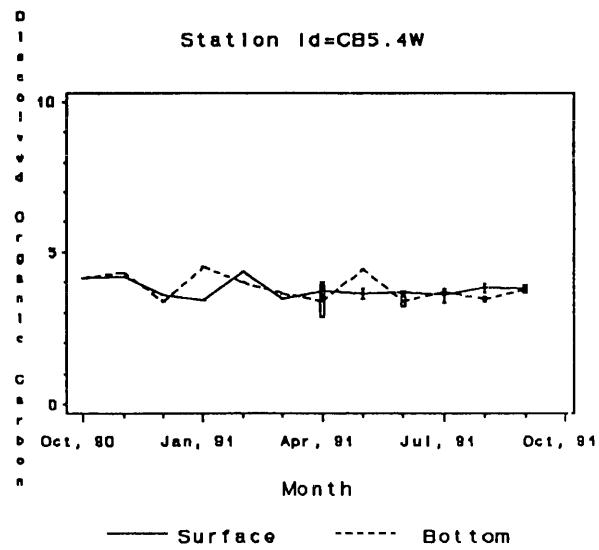
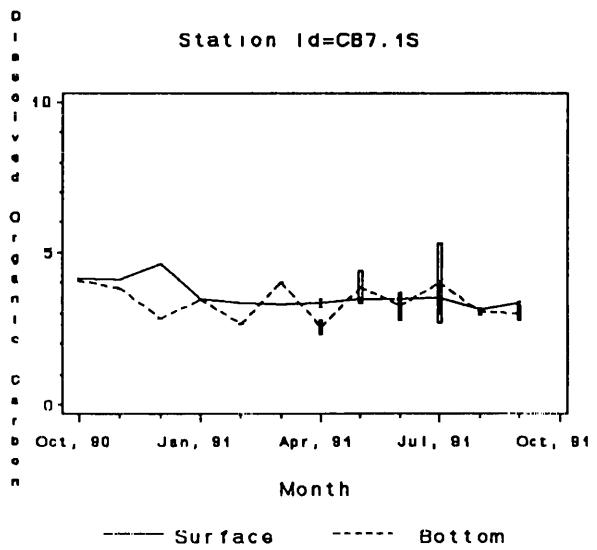
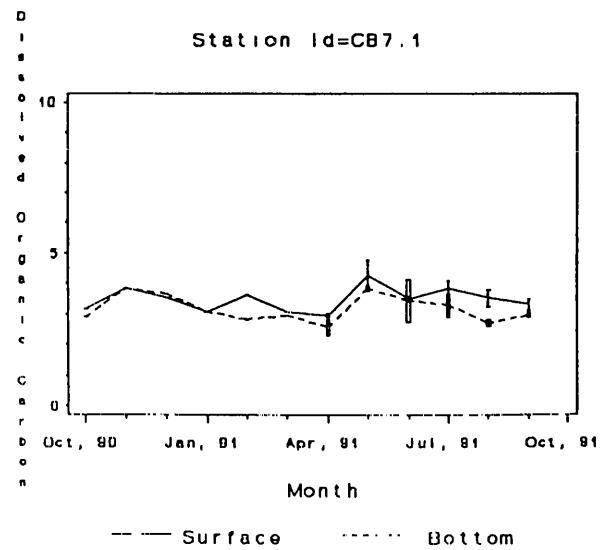
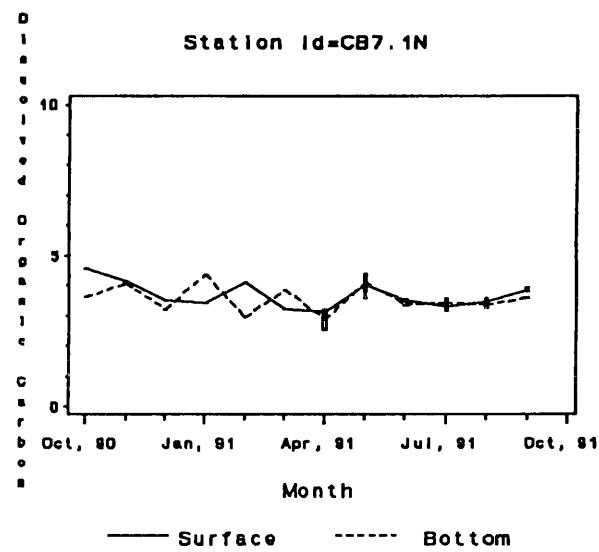
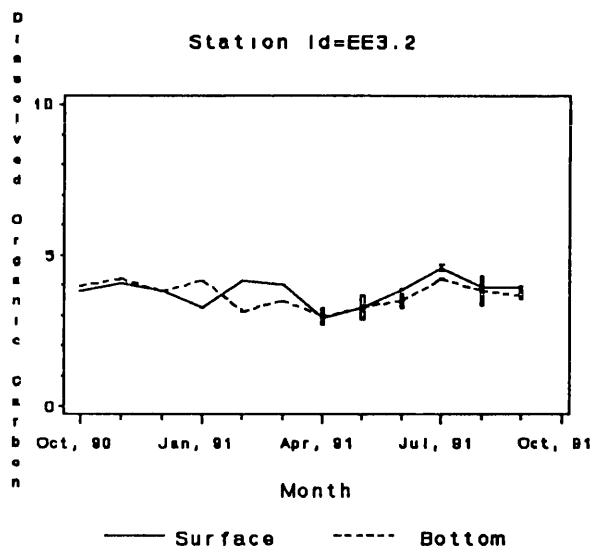
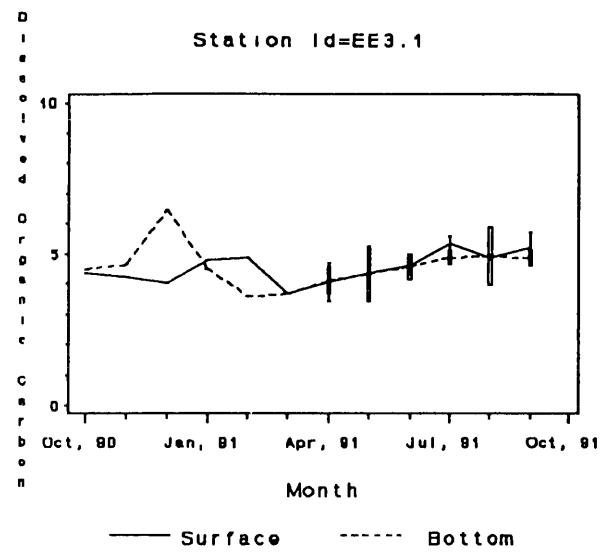
Values reported as mg/l.

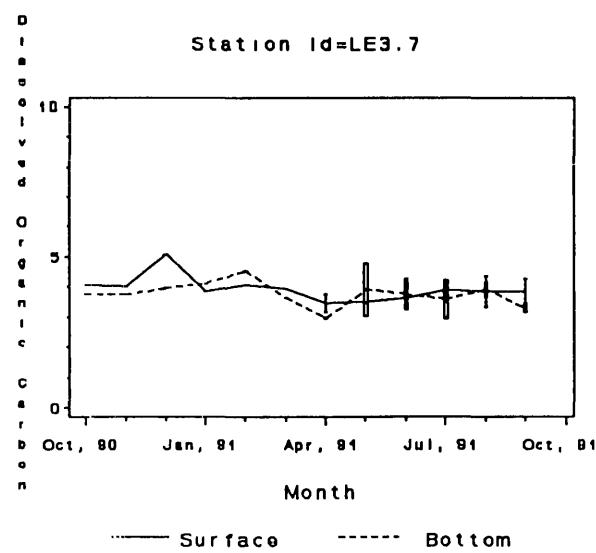
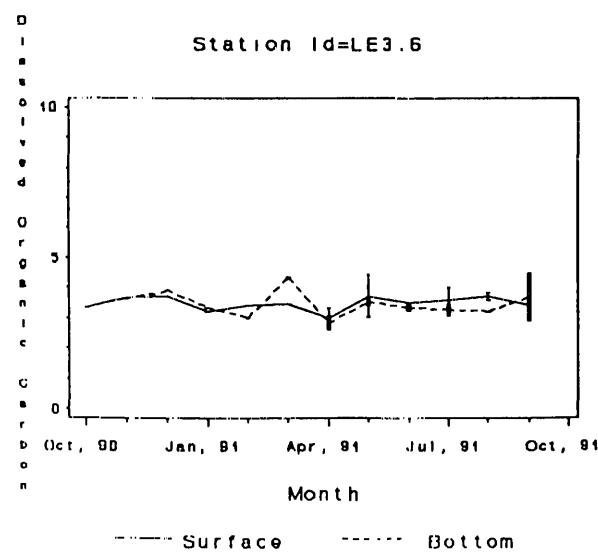
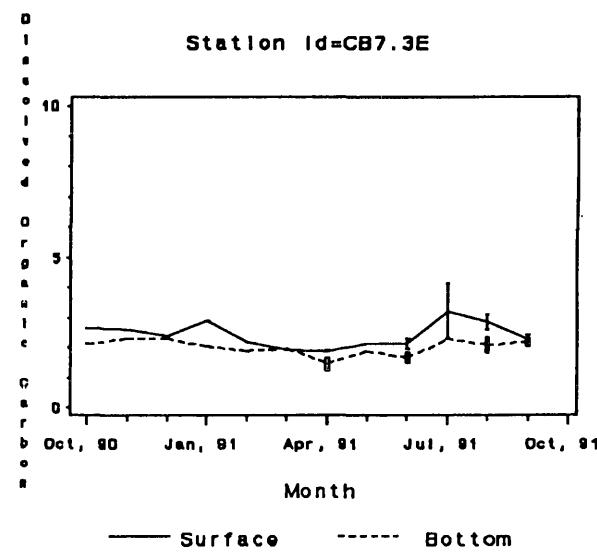
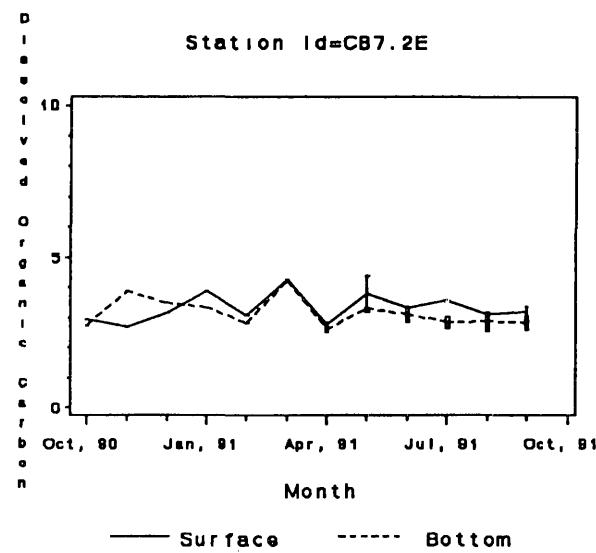
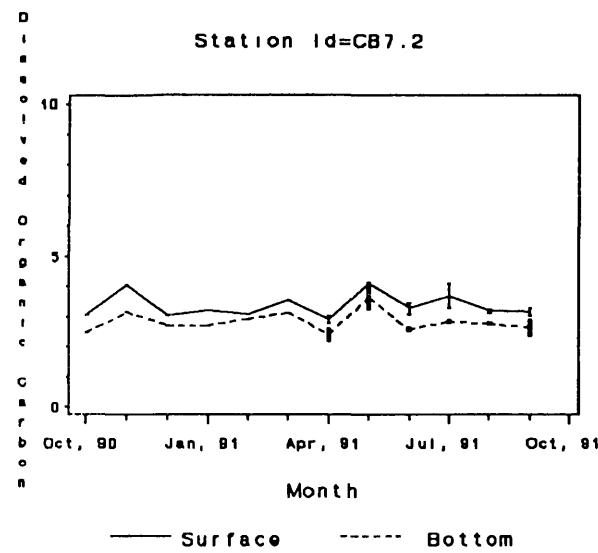
Dissolved Organic Carbon
October, 1990 - September, 1991

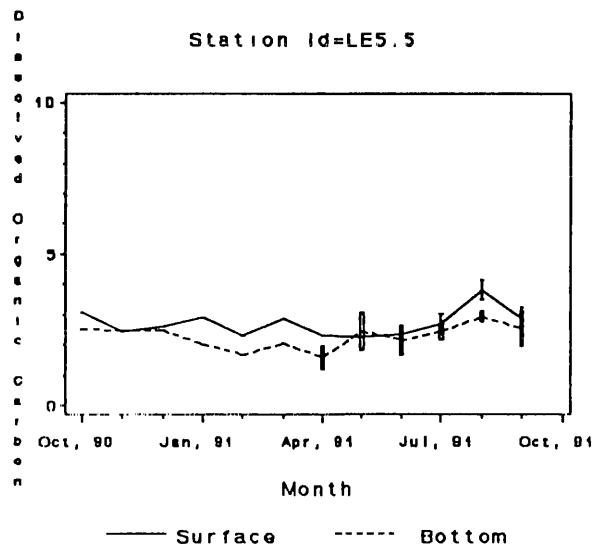
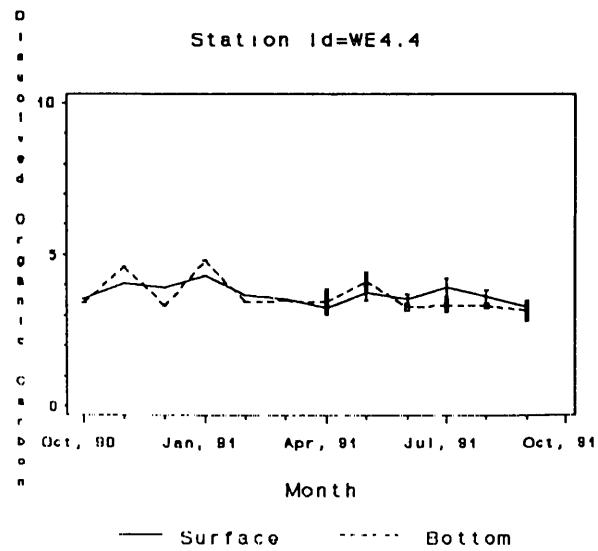
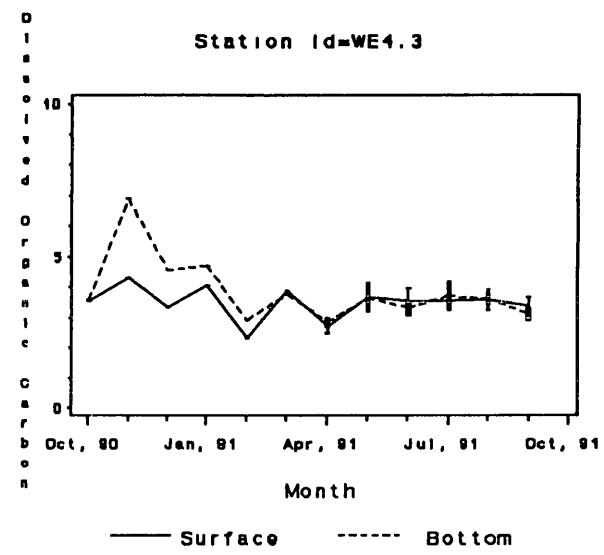
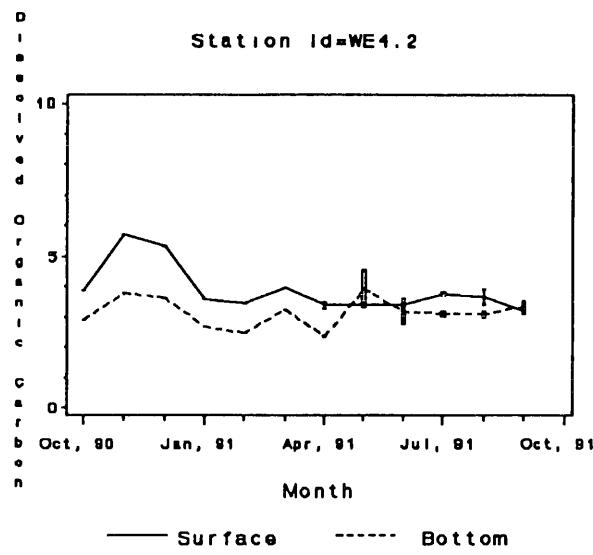
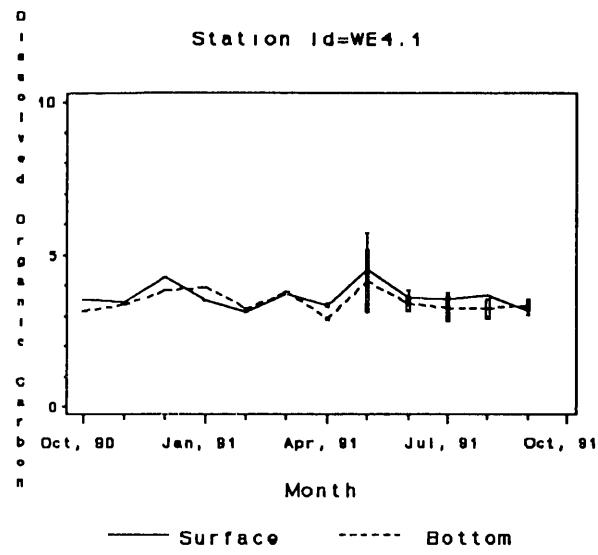
	Dissolved Organic Carbon (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	4.080	3.380	2.710	4.140	3.168	2.460
CB5.5.....	5.340	3.476	2.500	4.050	3.169	2.330
CB6.1.....	4.680	3.383	2.590	3.850	3.092	2.250
CB6.2.....	4.150	3.486	2.700	4.830	3.228	2.390
CB6.3.....	4.420	3.479	2.740	4.080	3.132	2.460
CB6.4.....	4.300	2.534	1.960	2.920	2.149	1.480
CB7.3.....	4.330	2.478	1.810	3.070	1.948	1.100
CB7.4.....	5.120	2.188	1.580	12.440	2.384	1.070
CB7.4N.....	6.630	2.188	1.410	2.840	1.859	1.240
CB8.1E.....	7.010	2.594	1.640	5.420	1.881	1.140
CB8.1.....	4.080	2.624	1.870	3.780	2.092	1.150
EE3.1.....	5.720	4.597	3.410	6.440	4.588	3.480
EE3.2.....	4.690	3.779	2.910	4.280	3.638	2.690
CB7.1N.....	4.580	3.635	3.050	4.400	3.519	2.510
CB7.1.....	4.795	3.515	2.900	4.150	3.169	2.320
CB7.1S.....	4.610	3.523	2.990	5.280	3.345	2.300
CB5.4W.....	4.350	3.757	3.350	4.510	3.792	2.860
CB7.2.....	4.120	3.366	2.770	4.000	2.819	2.190
CB7.2E.....	4.410	3.308	2.650	4.230	3.098	2.510
CB7.3E.....	4.150	2.439	1.860	2.350	1.976	1.250
LE3.6.....	4.440	3.487	2.620	4.470	3.414	2.620
LE3.7.....	5.100	3.857	3.160	4.770	3.702	2.945
WE4.1.....	5.720	3.626	3.020	5.170	3.435	2.810
WE4.2.....	5.730	3.759	3.150	4.550	3.158	2.350
WE4.3.....	4.330	3.458	2.310	6.900	3.716	2.700
WE4.4.....	4.320	3.659	3.050	4.810	3.585	2.830
LE5.5.....	4.130	2.719	2.220	3.130	2.307	1.210











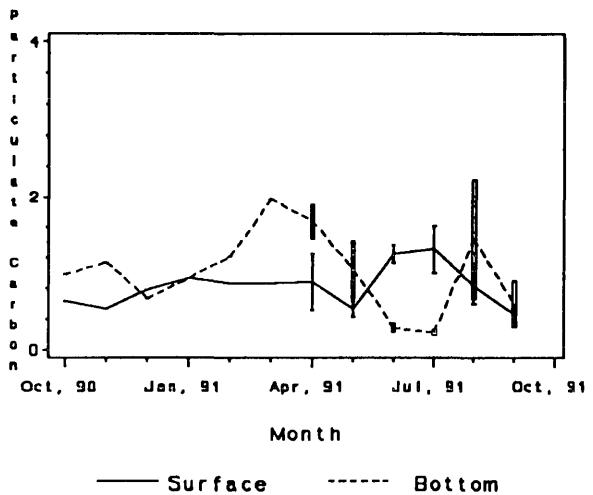
PARTICULATE CARBON

Values reported as mg/l.

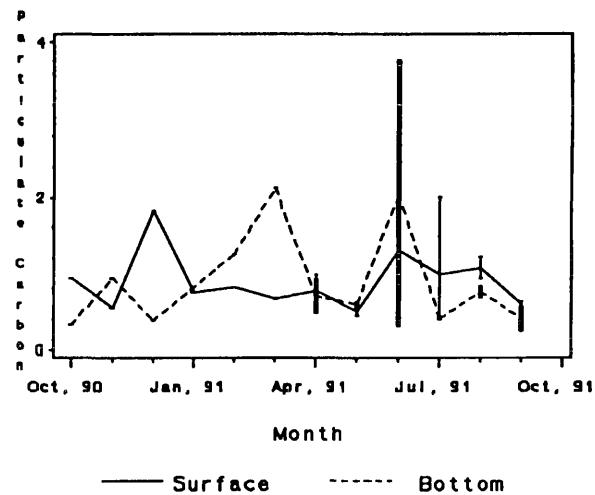
Particulate Carbon
October, 1990 - September, 1991

	Particulate Carbon (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	1.6240	0.8435	0.3390	2.2230	0.9730	0.1930
CB5.5.....	2.0150	0.8568	0.4310	3.7660	0.8739	0.2500
CB6.1.....	1.4350	0.7939	0.4990	1.7190	0.6881	0.3210
CB6.2.....	1.3230	0.8263	0.5460	1.3200	0.7226	0.2890
CB6.3.....	2.0650	0.8745	0.4140	1.8760	0.8978	0.3620
CB6.4.....	1.8300	0.7765	0.3500	0.9000	0.6742	0.3900
CB7.3.....	1.2400	0.6595	0.3400	1.2700	0.5605	0.2400
CB7.4.....	0.8900	0.5225	0.2400	2.5800	0.7606	0.2500
CB7.4N.....	1.0000	0.5839	0.3500	7.0700	1.1641	0.3000
CB8.1E.....	1.5200	0.6533	0.3400	1.9700	0.7094	0.2500
CB8.1.....	1.1300	0.6928	0.2700	1.1800	0.6206	0.3300
EE3.1.....	3.4310	1.6164	0.6410	2.7020	1.5006	0.5510
EE3.2.....	1.8940	1.0371	0.4910	5.7450	1.9970	0.5800
CB7.1N.....	1.5690	0.9579	0.3780	3.6750	1.7118	0.5860
CB7.1.....	5.0930	0.9874	0.2200	4.9370	1.4983	0.2910
CB7.1S.....	6.2090	1.0780	0.3790	8.0490	1.0632	0.1400
CB5.4W.....	2.2500	1.2572	0.6380	3.6480	1.3599	0.6810
CB7.2.....	1.2700	0.7651	0.4570	1.8520	0.8308	0.3180
CB7.2E.....	1.6500	0.7614	0.3810	2.1260	0.7577	0.0485
CB7.3E.....	1.2400	0.6850	0.3600	1.5000	0.6853	0.3200
LE3.6.....	2.3930	1.0589	0.4510	1.4930	0.9471	0.5830
LE3.7.....	1.7710	1.0914	0.6760	1.7050	0.9730	0.5690
WE4.1.....	1.3970	0.9294	0.6150	2.5350	1.1164	0.5200
WE4.2.....	1.2720	0.7401	0.2380	2.3790	1.0222	0.4440
WE4.3.....	1.7780	1.0723	0.4130	2.0670	1.1236	0.4060
WE4.4.....	1.7430	0.9472	0.1710	1.7280	1.0207	0.4020
LE5.5.....	1.0700	0.7612	0.2300	2.6000	0.9361	0.3600

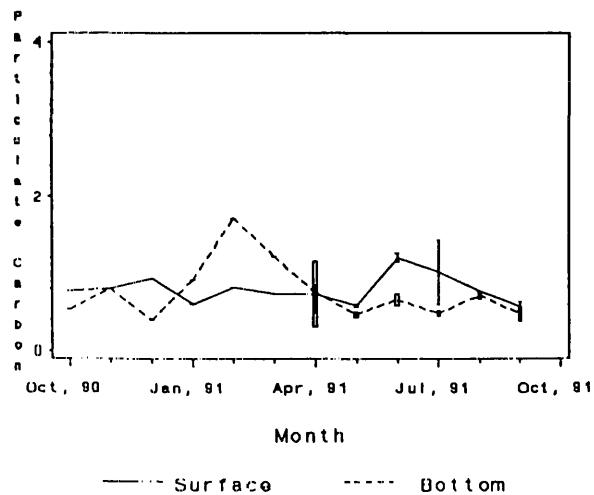
Station Id=CB5.4



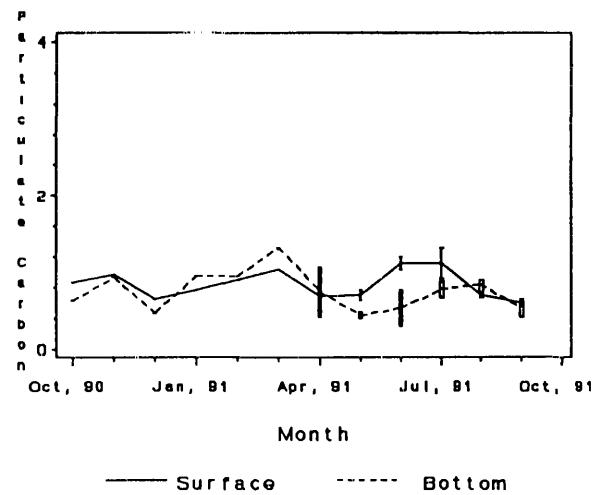
Station Id=CB5.5



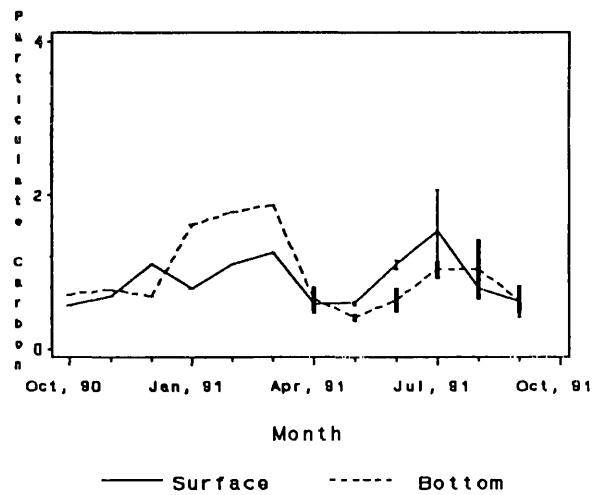
Station Id=CB6.1



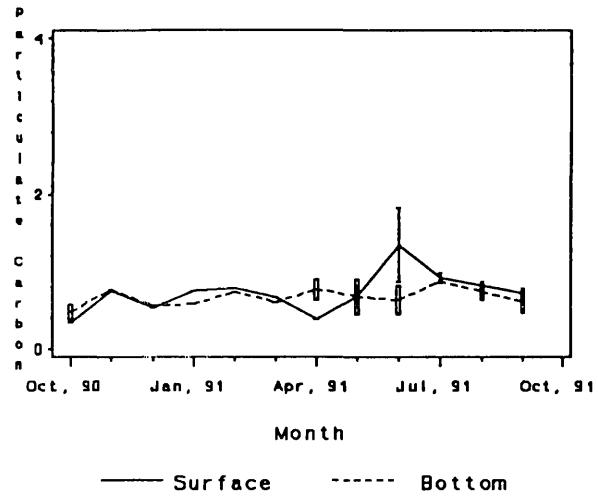
Station Id=CB6.2



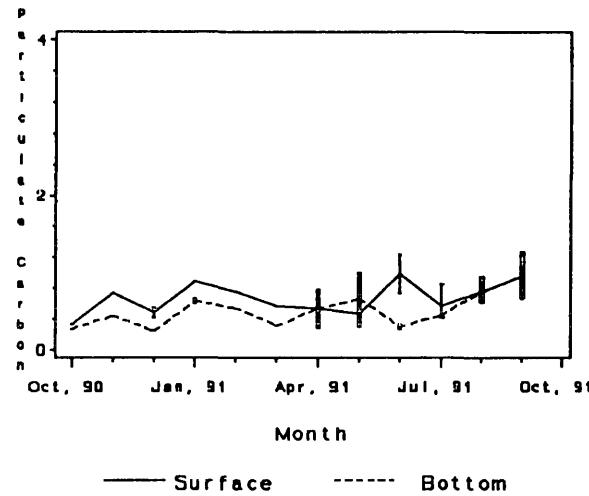
Station Id=CB6.3



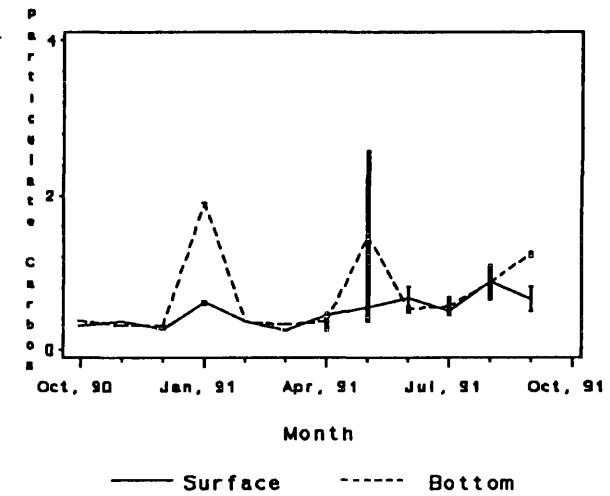
Station Id=CB6.4



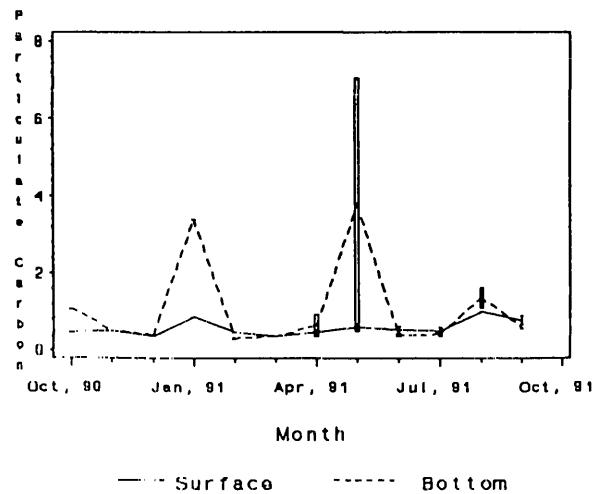
Station Id=CB7.3



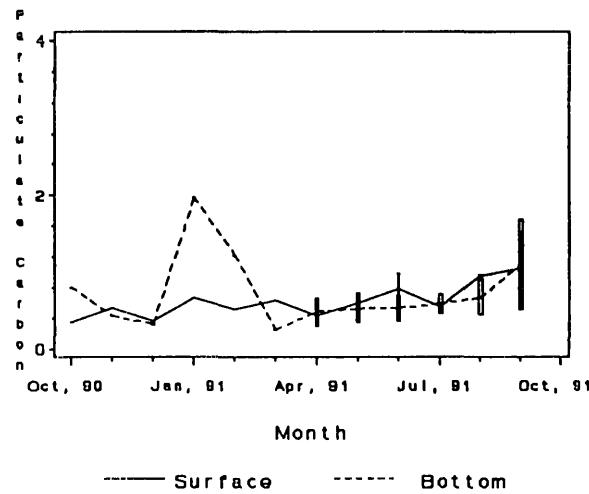
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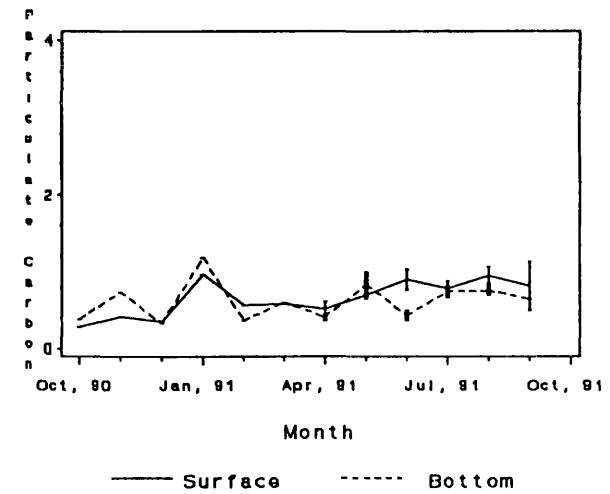
Station Id=CB7.4N



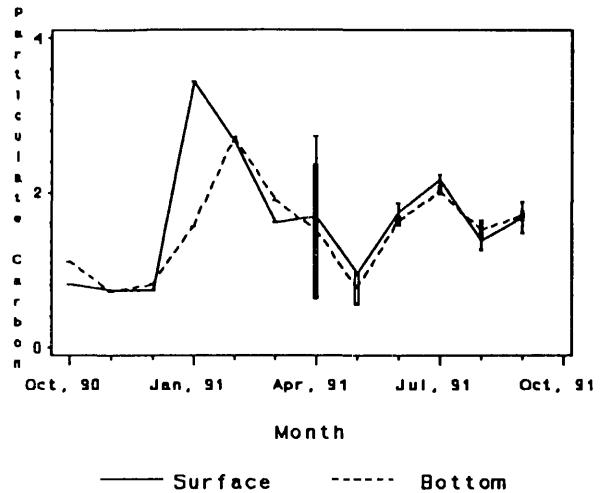
Station Id=CB8.1E



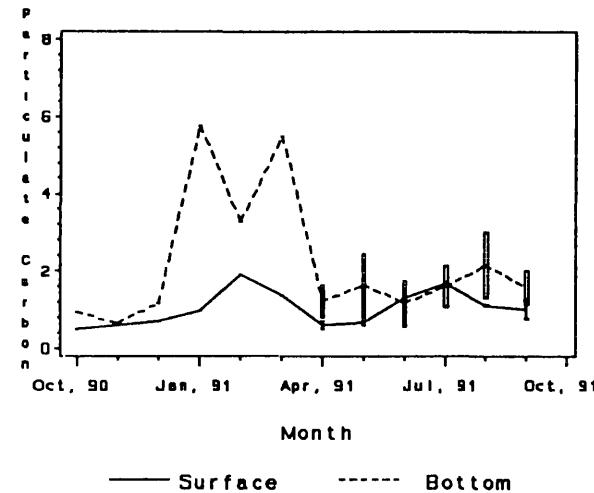
Station Id=CB8.1



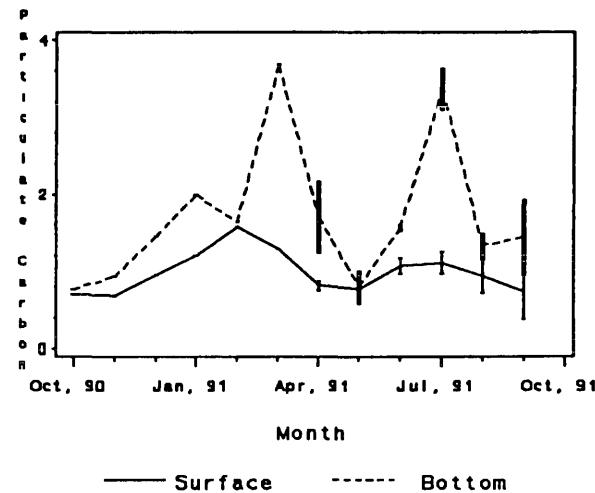
Station Id=EE3.1



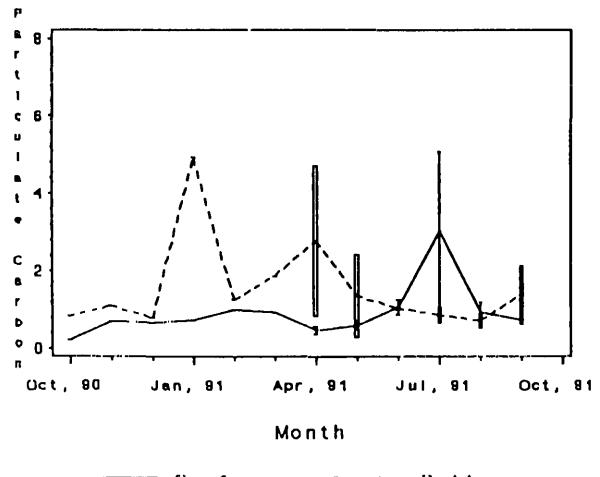
Station Id=EE3.2



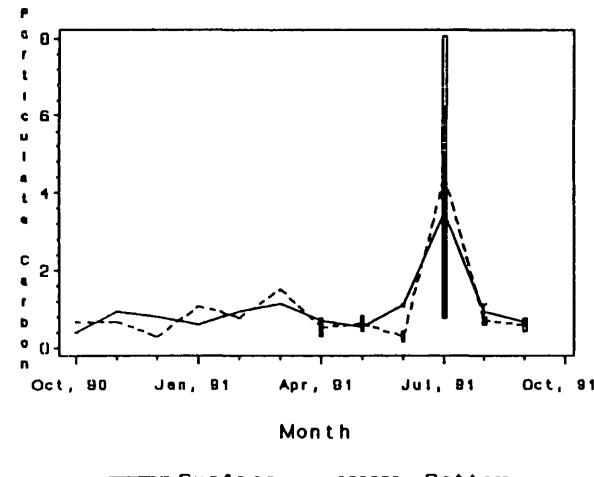
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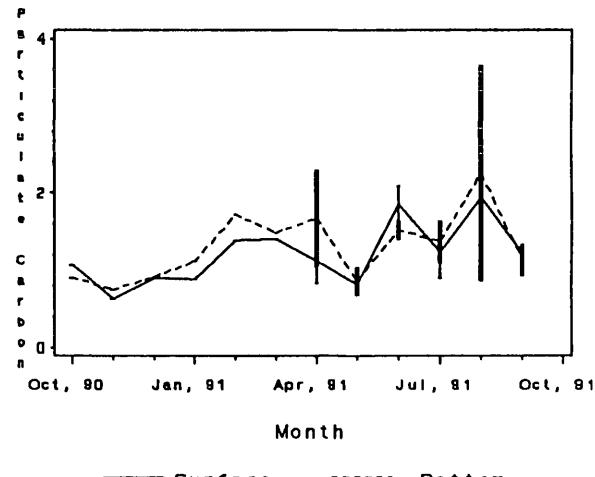
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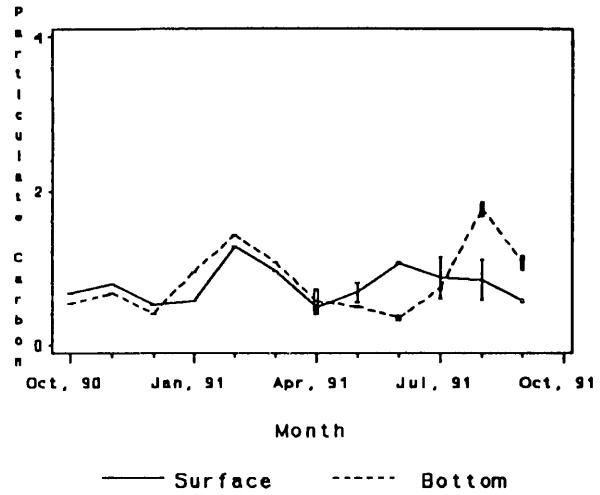
Station Id=CB7.1S



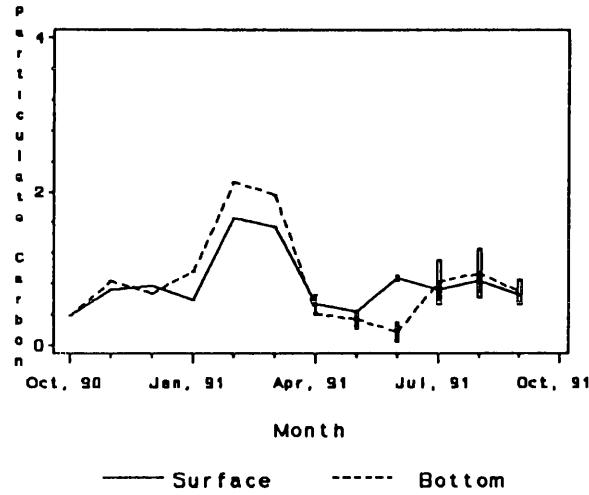
Station Id=CB5.4W



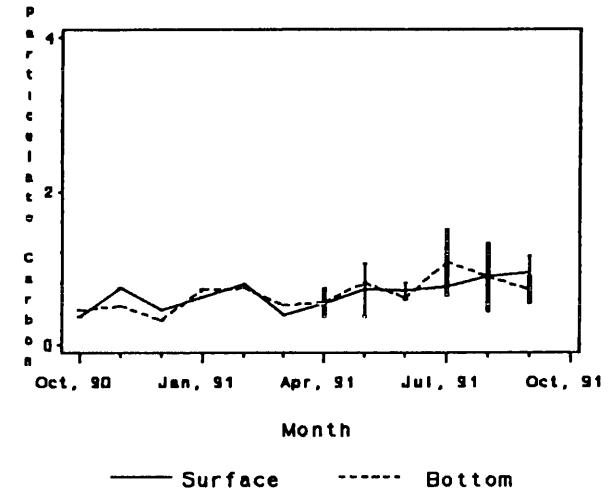
Station Id=CB7.2



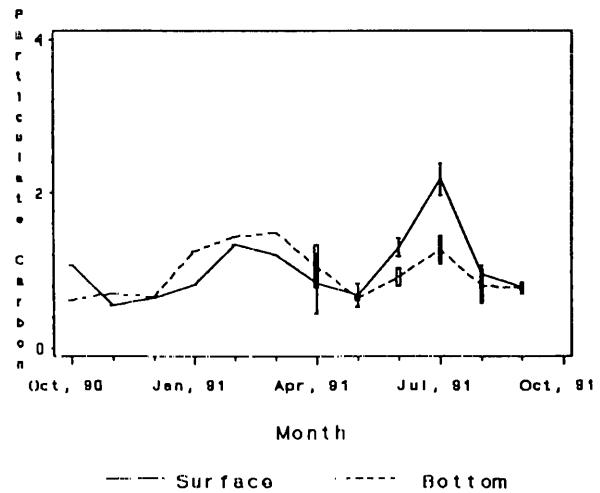
Station Id=CB7.2E



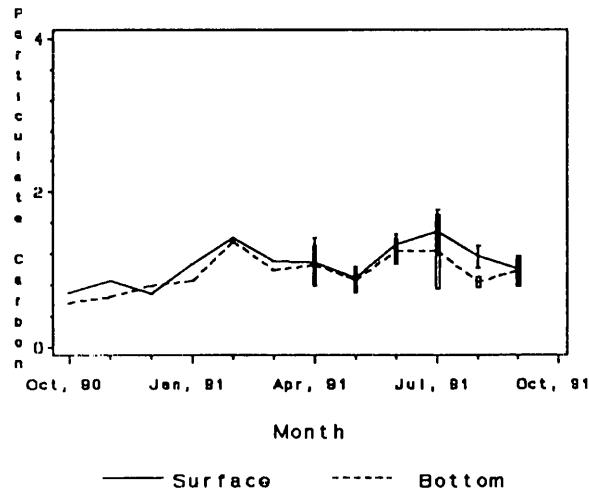
Station Id=CB7.3E



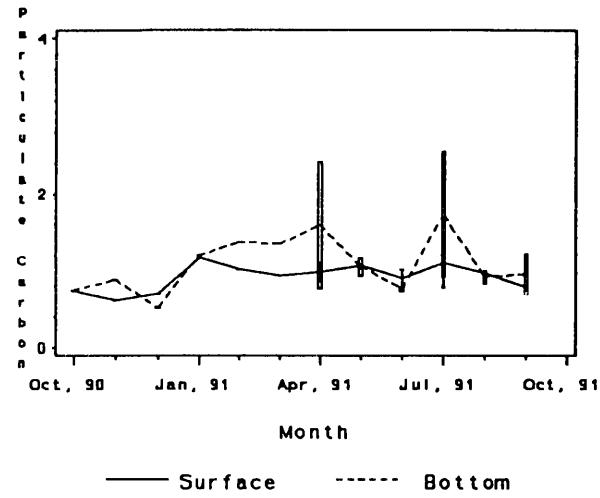
Station Id=LE3.6



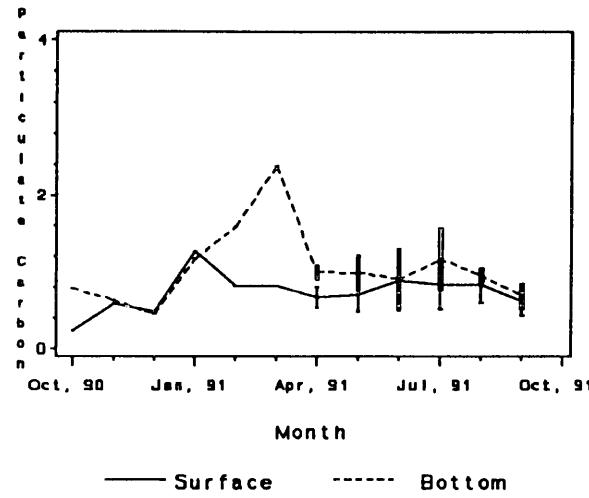
Station Id=LE3.7



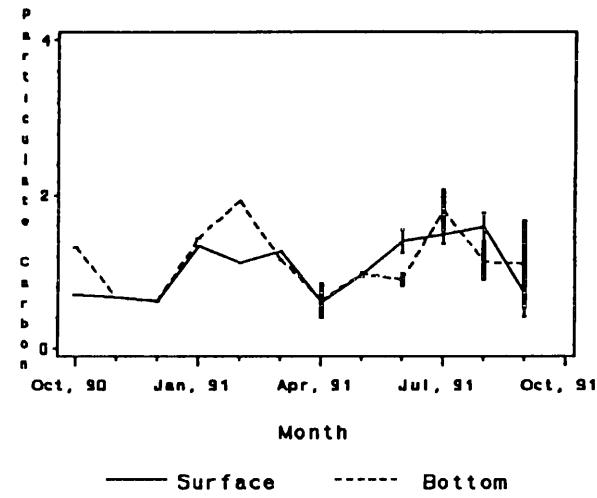
Station Id=WE4.1



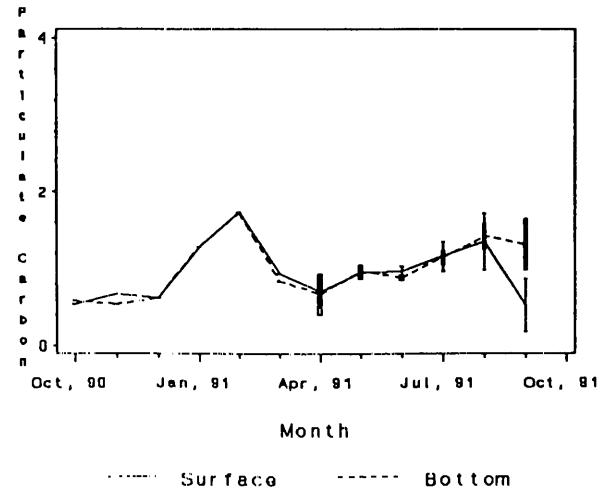
Station Id=WE4.2



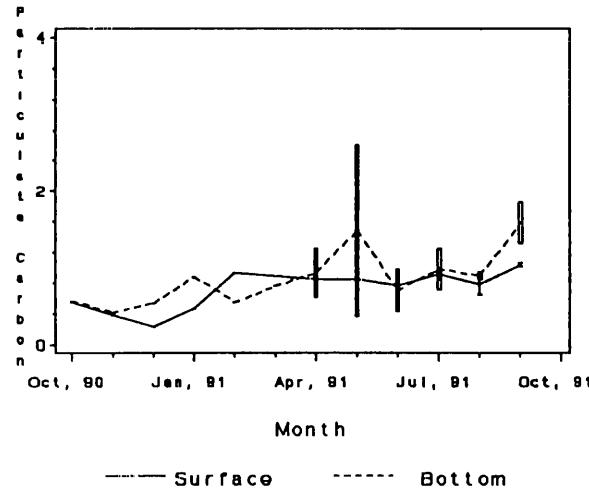
Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5

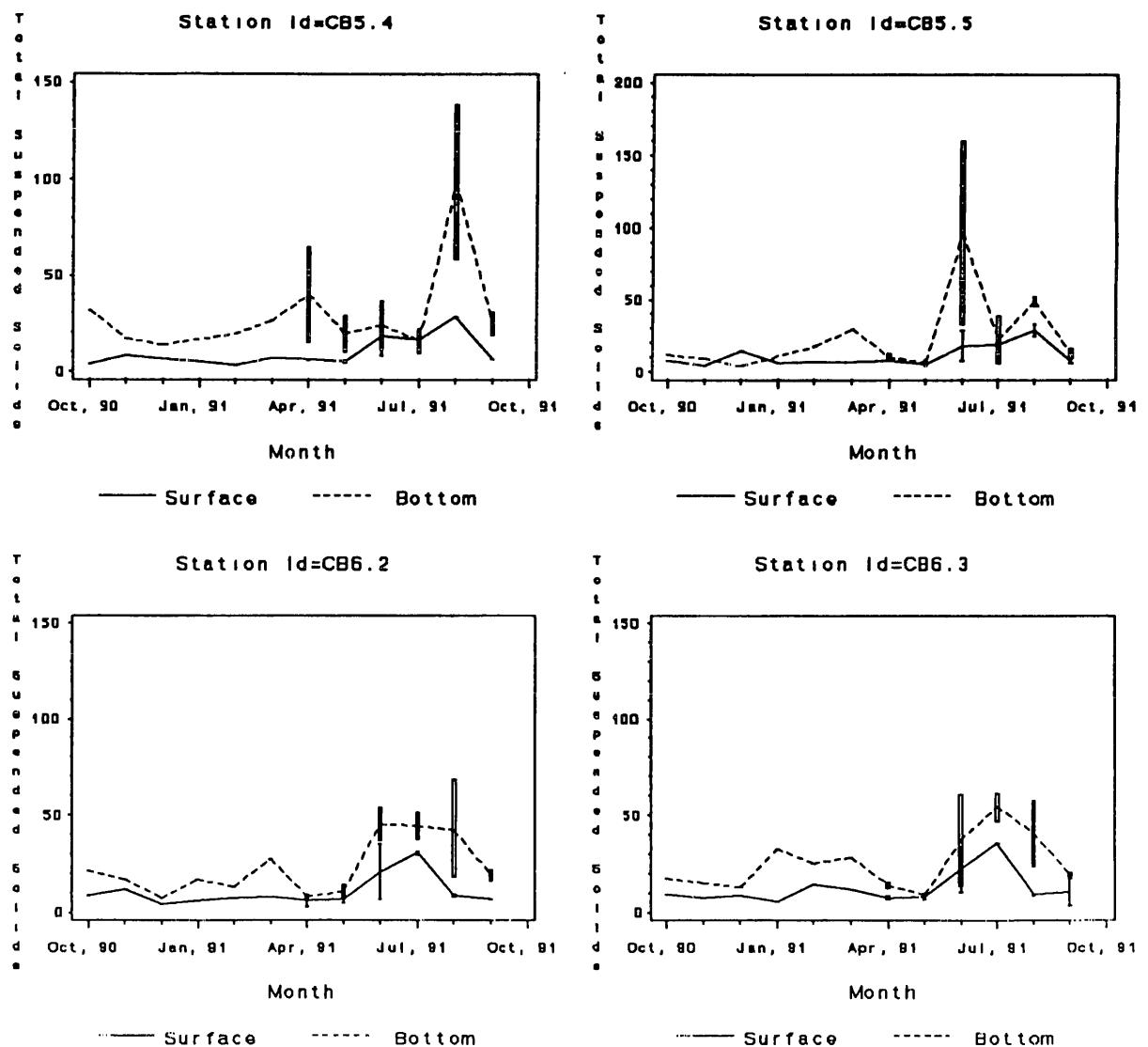


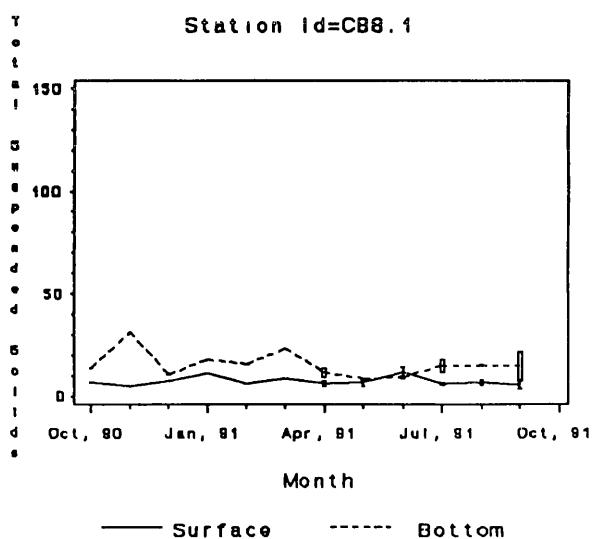
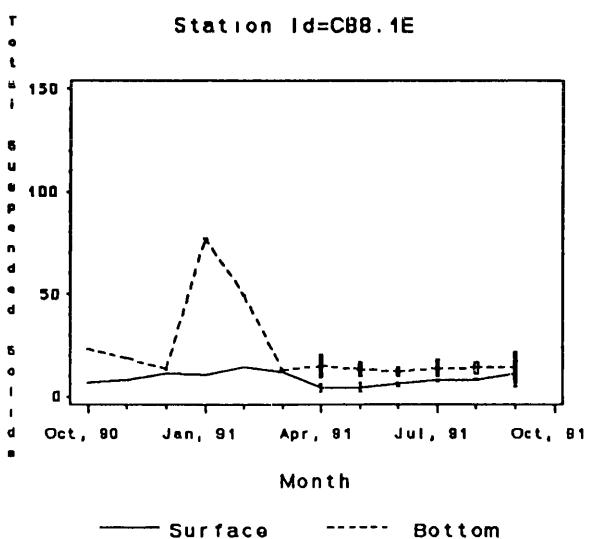
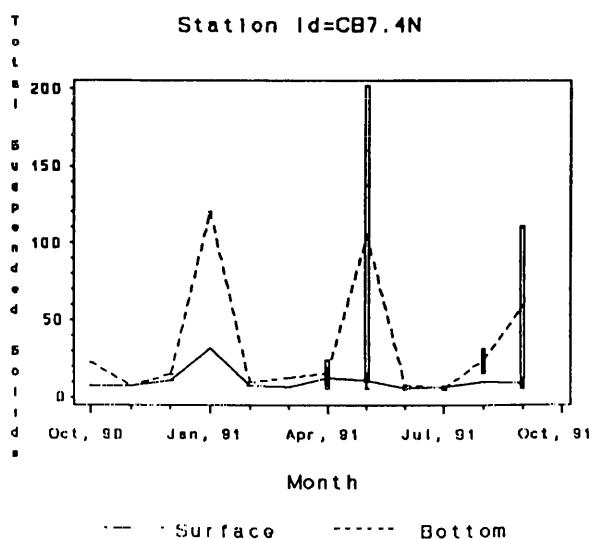
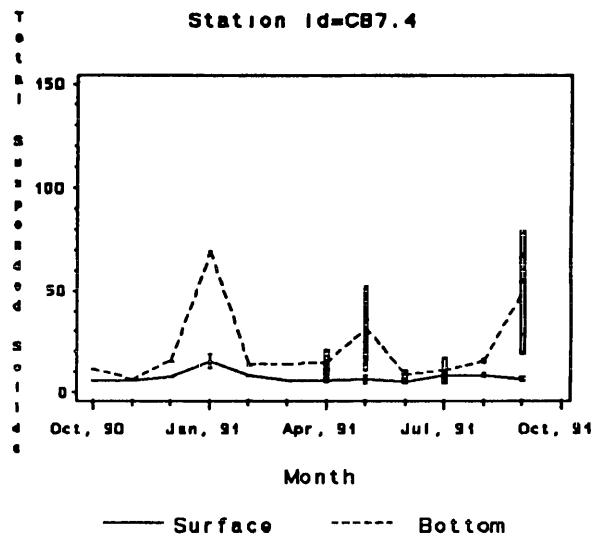
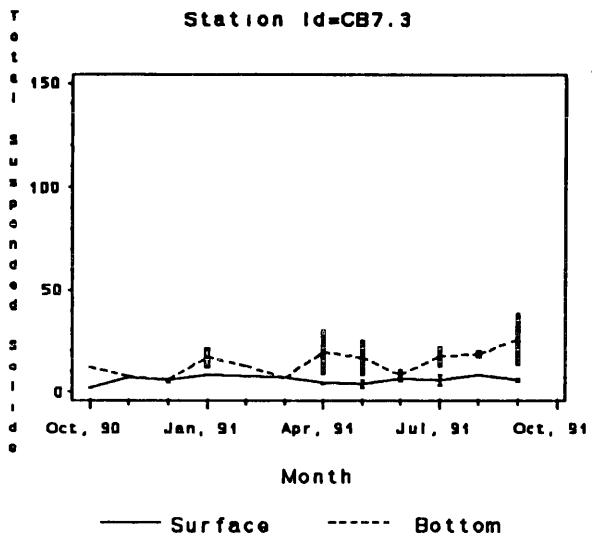
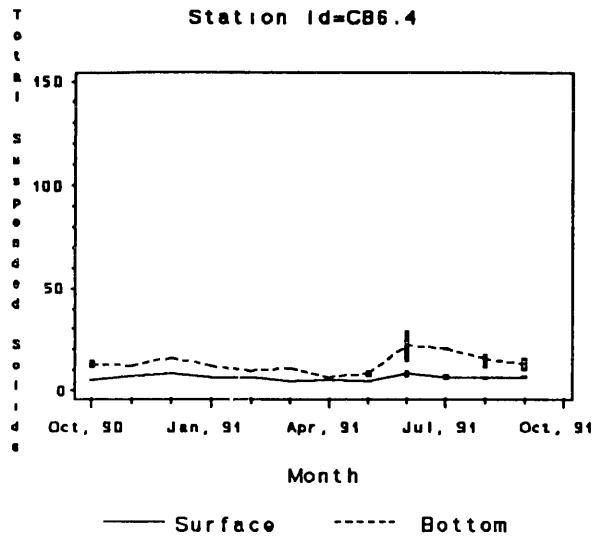
TOTAL SUSPENDED SOLIDS

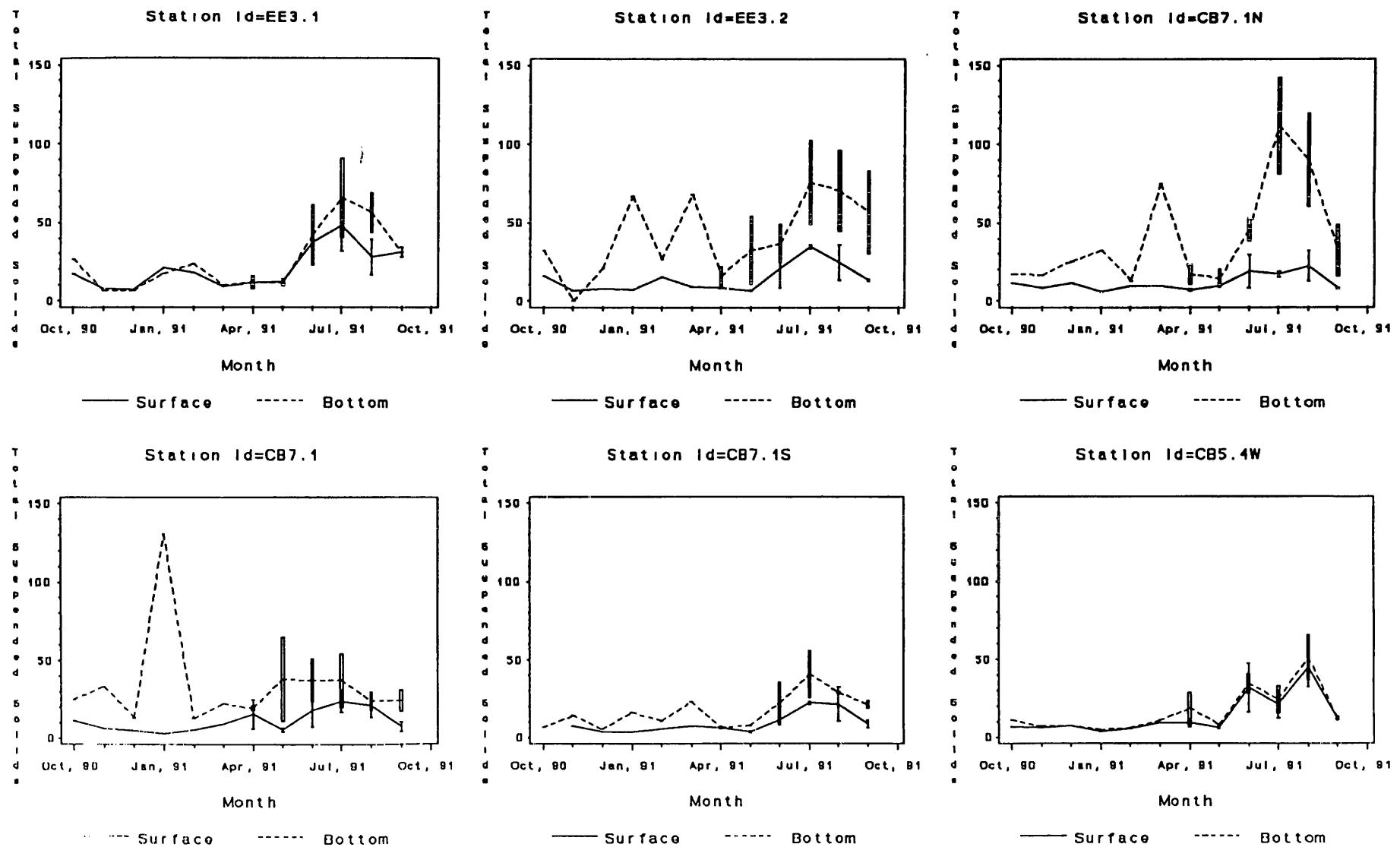
values reported as mg/l.

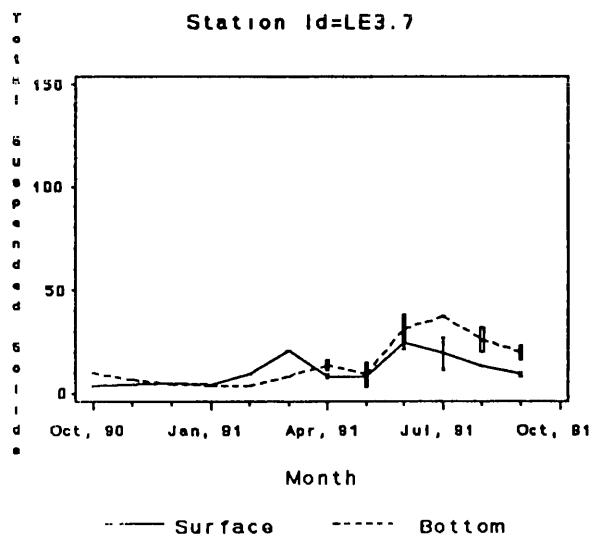
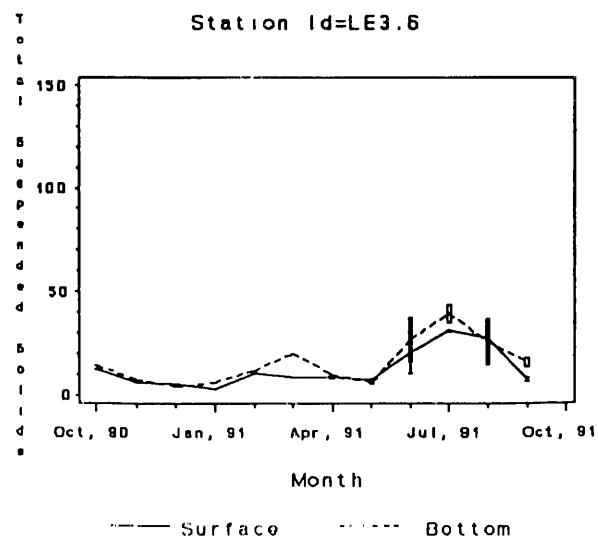
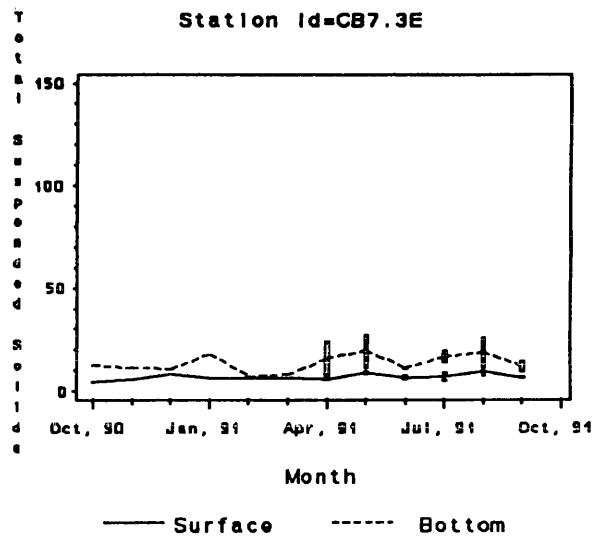
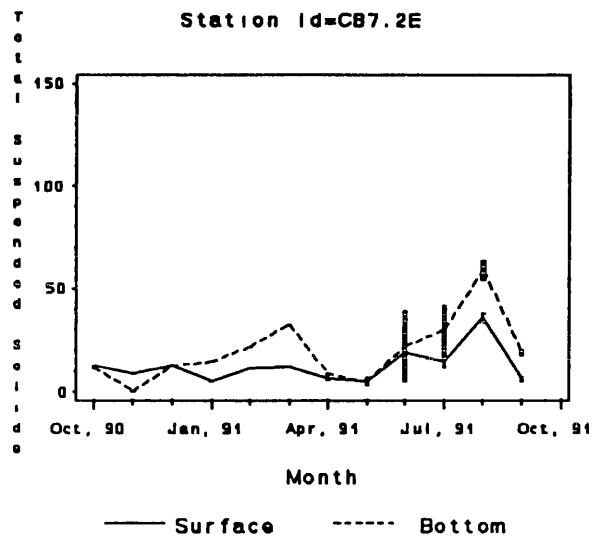
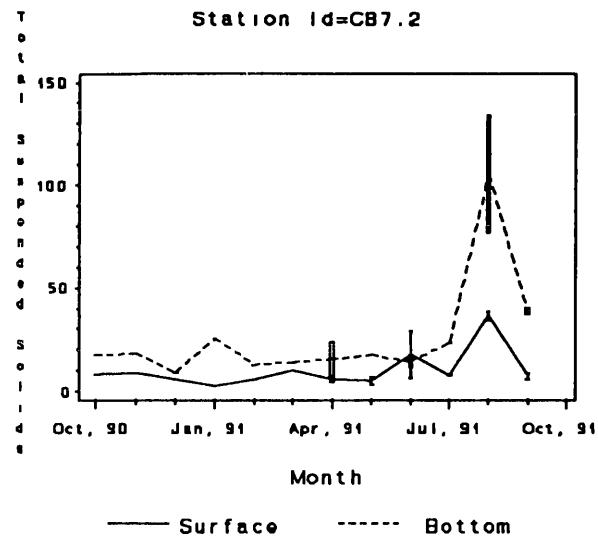
Total Suspended Solids
October, 1990 - September, 1991

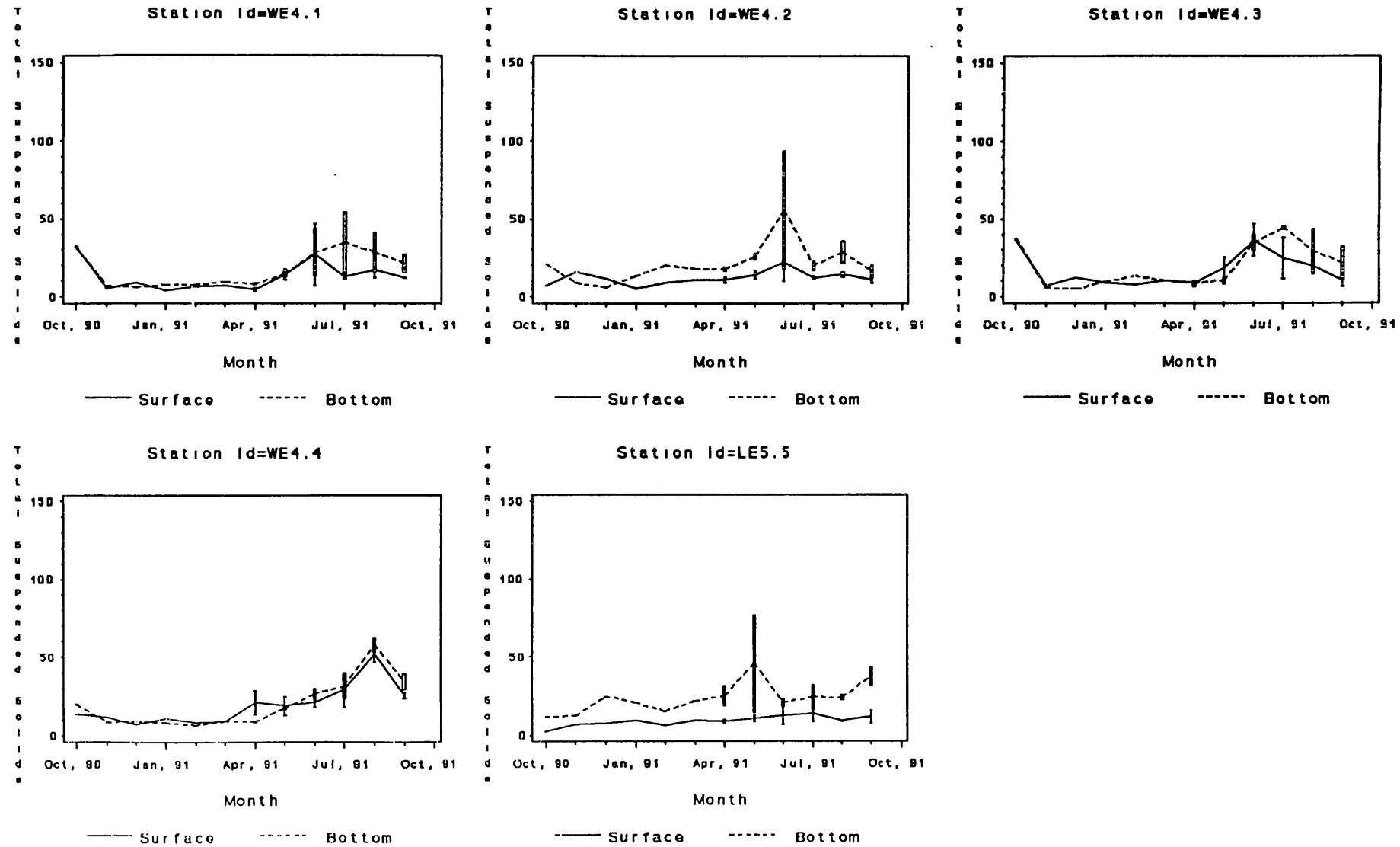
	Total Suspended Solids (mg/l)					
	Surface			Bottom		
	Max	Mean	Min	Max	Mean	Min
CB5.4.....	28.80	11.18	3.00	138.40	32.59	9.80
CB5.5.....	32.80	11.69	4.00	160.00	27.32	4.00
CB6.1.....	32.80	13.21	4.00	60.60	24.87	6.00
CB6.2.....	35.00	11.31	3.00	68.60	25.40	6.80
CB6.3.....	35.80	13.20	3.80	61.60	26.70	7.80
CB6.4.....	9.50	6.23	4.40	28.80	14.13	6.40
CB7.3.....	8.50	5.97	2.00	38.40	15.49	5.30
CB7.4.....	18.80	7.47	4.40	79.30	21.73	4.60
CB7.4N.....	31.80	9.88	4.80	201.70	34.64	4.50
CB8.1E.....	17.60	8.03	2.00	77.00	19.89	6.90
CB8.1.....	14.40	7.15	3.60	31.30	14.44	7.10
EE3.1.....	63.60	22.94	7.00	90.80	29.16	6.40
EE3.2.....	36.20	15.46	6.60	102.40	43.94	0.00
CB7.1N.....	32.20	12.32	5.60	142.40	44.56	8.80
CB7.1.....	31.20	12.31	3.00	130.80	33.24	10.80
CB7.1S.....	32.20	10.16	3.00	55.40	18.21	5.20
CB5.4W.....	57.60	16.08	3.60	65.60	19.11	5.00
CB7.2.....	38.40	11.18	2.60	134.00	29.31	7.00
CB7.2E.....	37.80	13.14	3.40	63.80	21.10	0.40
CB7.3E.....	11.70	7.07	4.30	27.40	14.22	7.20
LE3.6.....	31.40	13.93	3.00	43.80	17.29	4.20
LE3.7.....	27.20	11.56	3.40	38.00	17.13	3.00
WE4.1.....	46.80	13.37	3.40	54.20	18.88	6.00
WE4.2.....	34.60	12.71	5.20	94.00	23.06	6.00
WE4.3.....	46.60	17.60	6.40	45.60	20.99	4.80
WE4.4.....	57.20	22.08	7.20	62.80	23.11	6.80
LE5.5.....	18.80	9.52	2.00	76.50	25.43	11.70







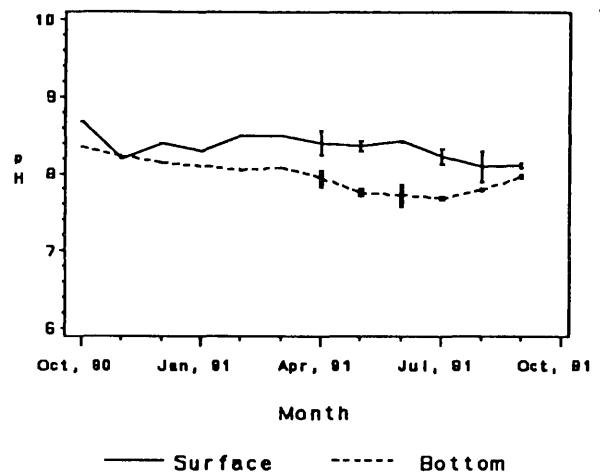




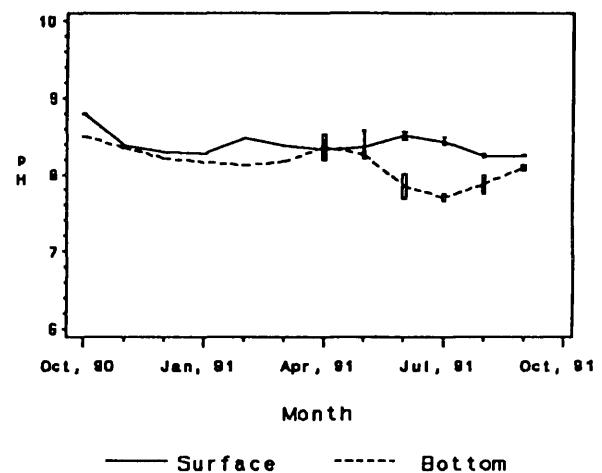
^{pH}
October, 1990 - September, 1991

	pH					
	Surface			Bottom		
	Max	Mean	Min.	Max	Mean	Min
CB5.4.....	8.67	8.32	7.89	8.34	7.91	7.58
CB5.5.....	8.79	8.38	8.20	8.52	8.10	7.65
CB6.1.....	8.74	8.38	8.14	8.54	8.06	7.57
CB6.2.....	8.67	8.38	8.14	8.51	8.09	7.87
CB6.3.....	8.72	8.33	7.98	8.66	8.13	7.88
CB6.4.....	8.37	8.14	7.80	8.27	7.97	7.61
CB7.3.....	8.32	8.13	7.85	8.04	7.92	7.76
CB7.4.....	8.27	8.03	7.86	8.05	7.89	6.92
CB7.4N.....	8.21	8.01	7.90	8.07	7.96	7.83
CB8.1E.....	8.24	8.02	7.84	8.00	7.88	7.71
CB8.1.....	8.32	8.06	7.72	8.26	7.92	7.73
EE3.1.....	8.48	8.22	7.99	8.49	8.18	7.98
EE3.2.....	8.37	8.16	7.89	8.62	8.04	7.74
CB7.1N.....	8.75	8.24	7.93	8.71	8.11	7.87
CB7.1.....	8.72	8.34	8.06	8.52	8.09	7.86
CB7.1S.....	8.79	8.38	8.10	8.80	8.18	7.91
CB5.4W.....	8.82	8.35	7.66	8.66	8.31	8.08
CB7.2.....	8.89	8.35	8.04	8.58	8.11	7.93
CB7.2E.....	8.81	8.34	8.07	8.69	8.16	7.95
CB7.3E.....	8.29	8.09	7.95	8.13	7.95	7.76
LE3.6.....	8.67	8.33	8.04	8.53	8.20	7.83
LE3.7.....	8.71	8.33	8.02	8.65	8.23	7.74
WE4.1.....	8.50	8.24	7.98	8.49	8.15	7.84
WE4.2.....	8.84	8.28	7.95	8.56	8.02	7.69
WE4.3.....	8.73	8.26	8.04	8.68	8.24	8.02
WE4.4.....	8.67	8.17	7.79	8.67	8.17	7.90
LE5.5.....	8.40	8.00	7.56	8.01	7.85	7.60

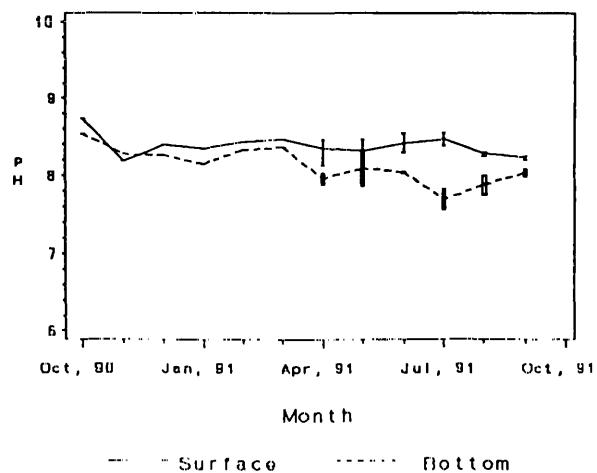
Station Id=CB5.4



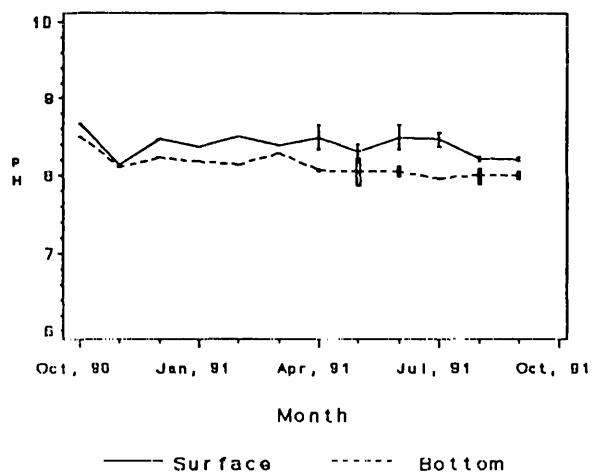
Station Id=CB5.5



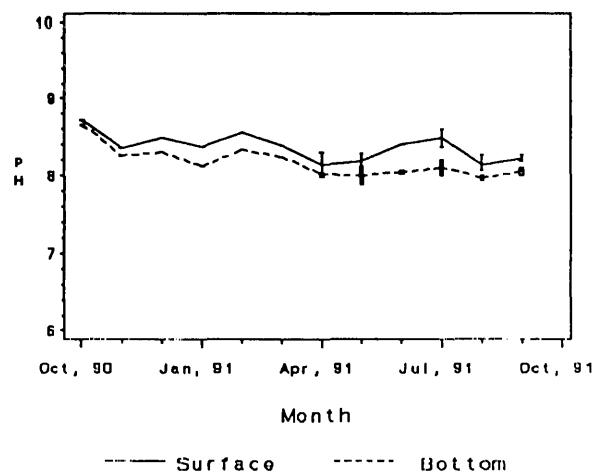
Station Id=CB6.1

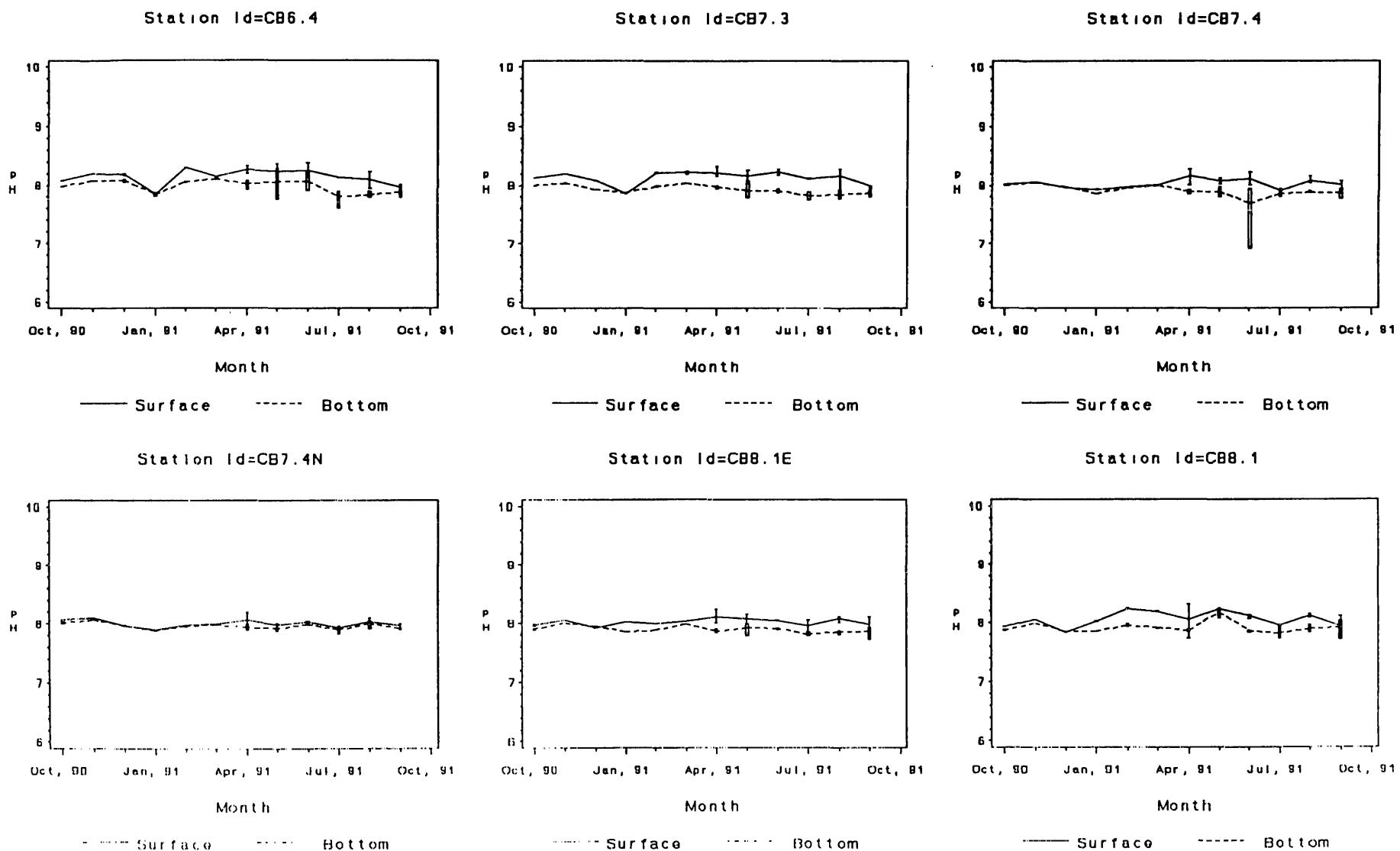


Station Id=CB6.2

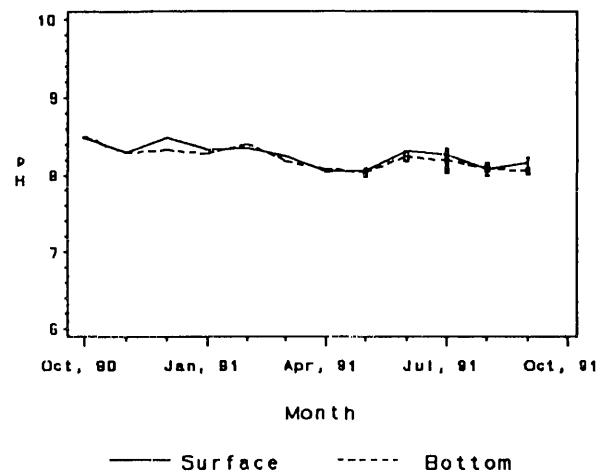


Station Id=CB6.3

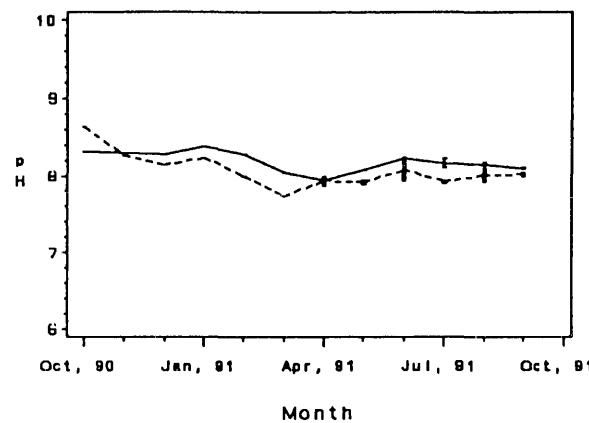




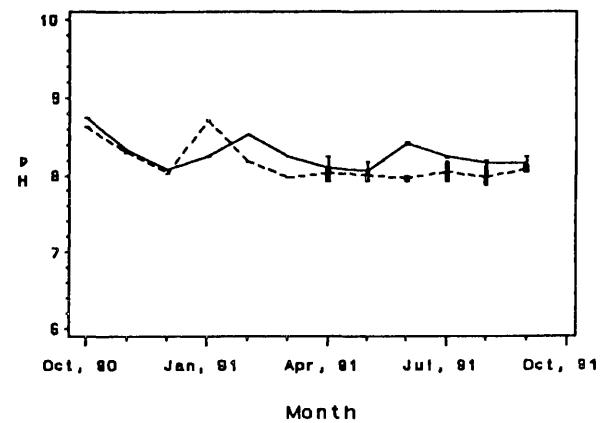
Station Id=EE3.1



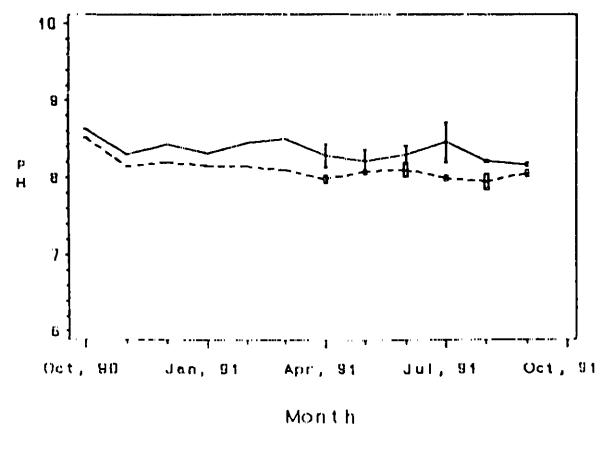
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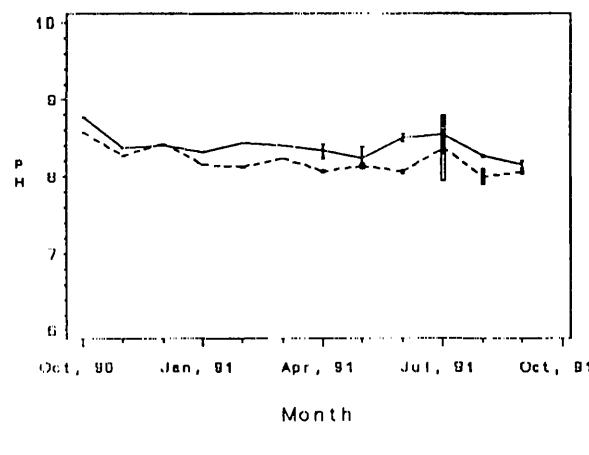
Station Id=CB7.1N



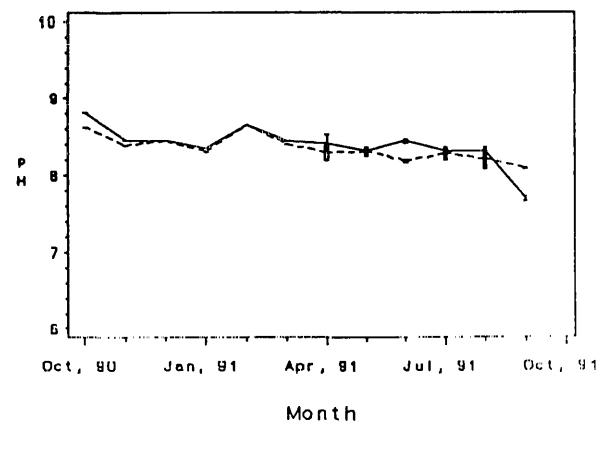
Station Id=CB7.1



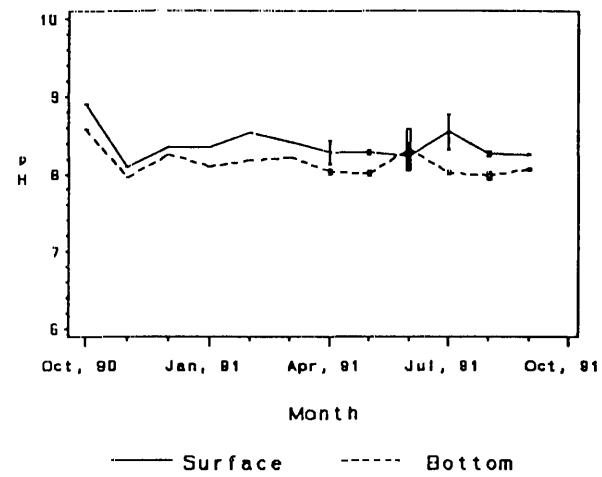
Station Id=CB7.1S



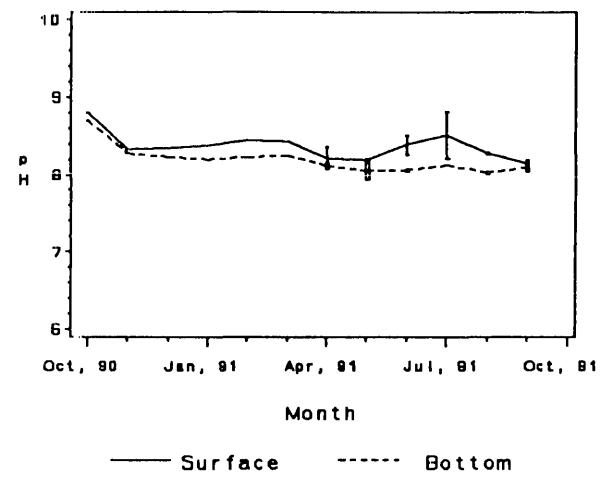
Station Id=CB5.4W



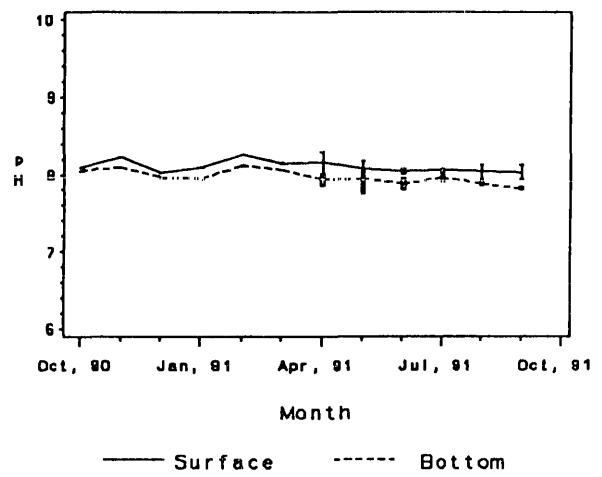
Station Id=CB7.2



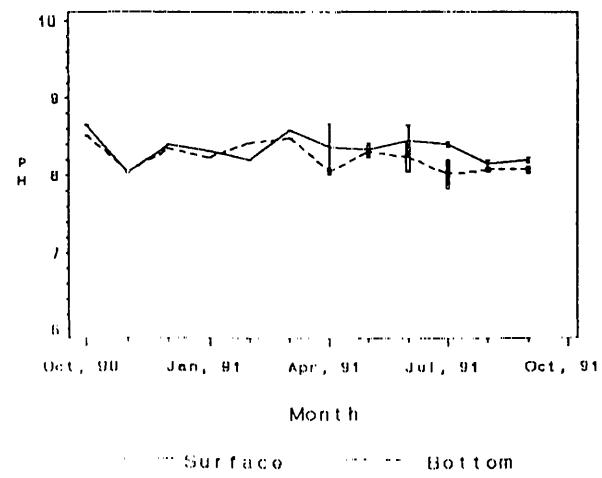
Station Id=CB7.2E



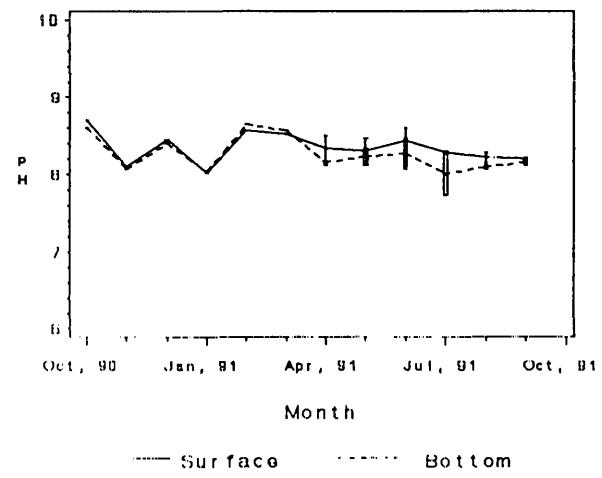
Station Id=CB7.3E



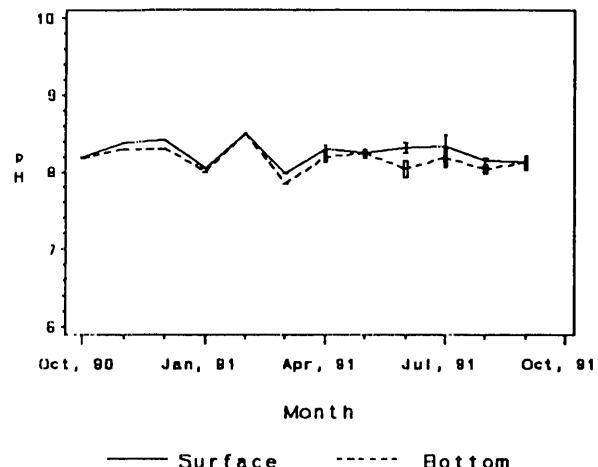
Station Id=LE3.6



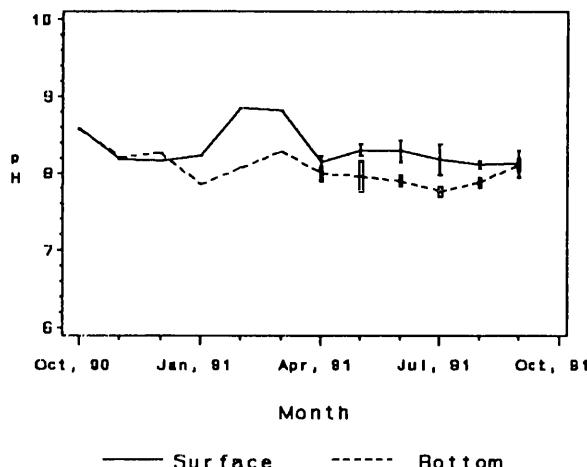
Station Id=LE3.7



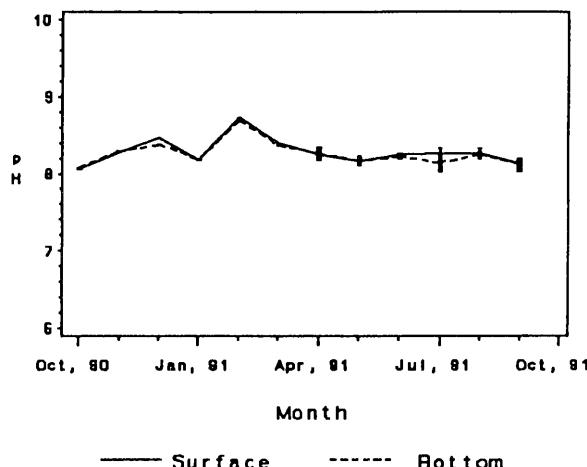
Station Id=WE4.1



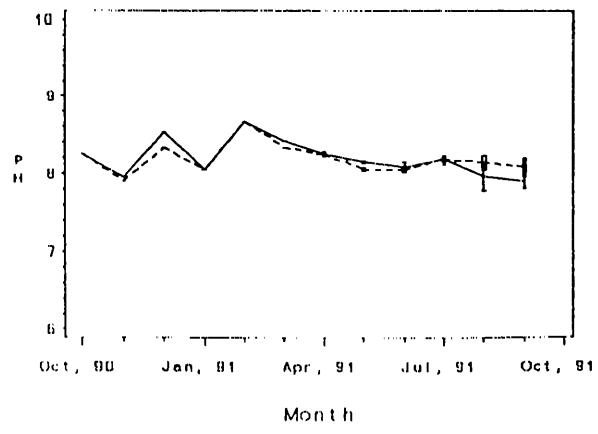
Station Id=WE4.2



Station Id=WE4.3



Station Id=WE4.4



Station Id=LE5.5

