Total Suspended Solids in the Potomac River and Estuary: A Summary of Opportunistic Observations, 1971-1973

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J.R. Schubel
J. R. Schubel, Director

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF FIGURES

(Continued)

LIST OF TABLES

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INTRODUCTION

Between 1971 and 1973, we made opportunistic measurements of the concentrations of total suspended solids at a series of stations along the axis of the Potomac River estuary. For a twelve-month period, January 1971 - February 1972, we also made daily observations of the concentration of total suspended solids at the Woodrow Wilson (Highway 495) Bridge which spans the Potomac River just below Washington, D.C. The sampling depth--2.5 m--at the bridge was fixed by the available pump intake. Because neither sampling program was directly supported, we had little control over the frequency of sampling in time or space. The primary purpose of this report is to summarize our suspended solids observations to tabular and graphical forms.

SUSPENDED SOLIDS DISCHARGE AT WOODROW WILSON (HIGHWAY 495) BRIDGE

Water samples were collected approximately daily for 13 months near the center of the Woodrow Wilson--Washington Beltway--Bridge that crosses the Potomac River just south of Alexandria, Virginia (Fig. 1). Each sample was approximately one liter and was a composite of 18 sub-samples of about 50 mℓ each, collected every 20 minutes over a 6-hour period each day. The complete sampler consisted of a submersible pump, a water box and automatic dip sampler, a water distribution system corrected to a standard day-night clock switch, and a rosette of nine sample bottles. Water was continuously pumped from a water depth of about 2.5 m up to the bridge house, passed through a water box and then back to the river. The water box was equipped with an automatic dip sampler with a nominal capacity of 50 mℓ. The dip sampler was activated every 20 minutes and the water dumped into the water distribution system for transfer to one of the nine one-liter plastic sample bottles, each fitted with a rubber stopper and glass funnel. The distribution system was corrected to a standard day-night clock switch. Each bottle remained under the discharge line for 6 hours to fill the bottle. The discharge line was then rotated so that the water was spilled between bottles for the remaining 18 hours of that day. At the end of the 18-hour period, the line was rotated into position over a new bottle for the next 6 hours, and the cycle repeated. The bottles were painted black to minimize growth of phytoplankton. The stoppers reduced evaporative losses. The sampler was serviced each week.

The water samples were filtered through pre-weighed 0.6 μm average pore diameter Nuclepore^{R} membrane filters, stored at ambient temperature in individual desiccators over silica gel for at least 72 hours, then re-weighed. All weighings were made to ±0.03 mg.

From 5 February 1971 through 31 March 1972, suspended solids concentrations were determined on a daily basis--except for occasional brief periods of equipment failure.

The daily mean concentration of total suspended solids and the daily mean river flow are plotted in Figs. 2 and 3. These data were used to estimate the discharge of suspended solids by the Potomac River at the Woodrow Wilson Bridge.

Each suspended solids determination was multiplied by the mean daily water discharge on that day to obtain the mass of solids discharged. Next, these masses were summed to obtain the total mass of suspended solids discharged, by month, between 1 February 1971 and 31 January 1972 (Fig. 4). The cumulative discharge for this 12-month period was also determined (Fig. 4).

This procedure resulted in an estimated suspended solids discharge of the Potomac of 0.7 metric tons for the 12-month period. During this period the

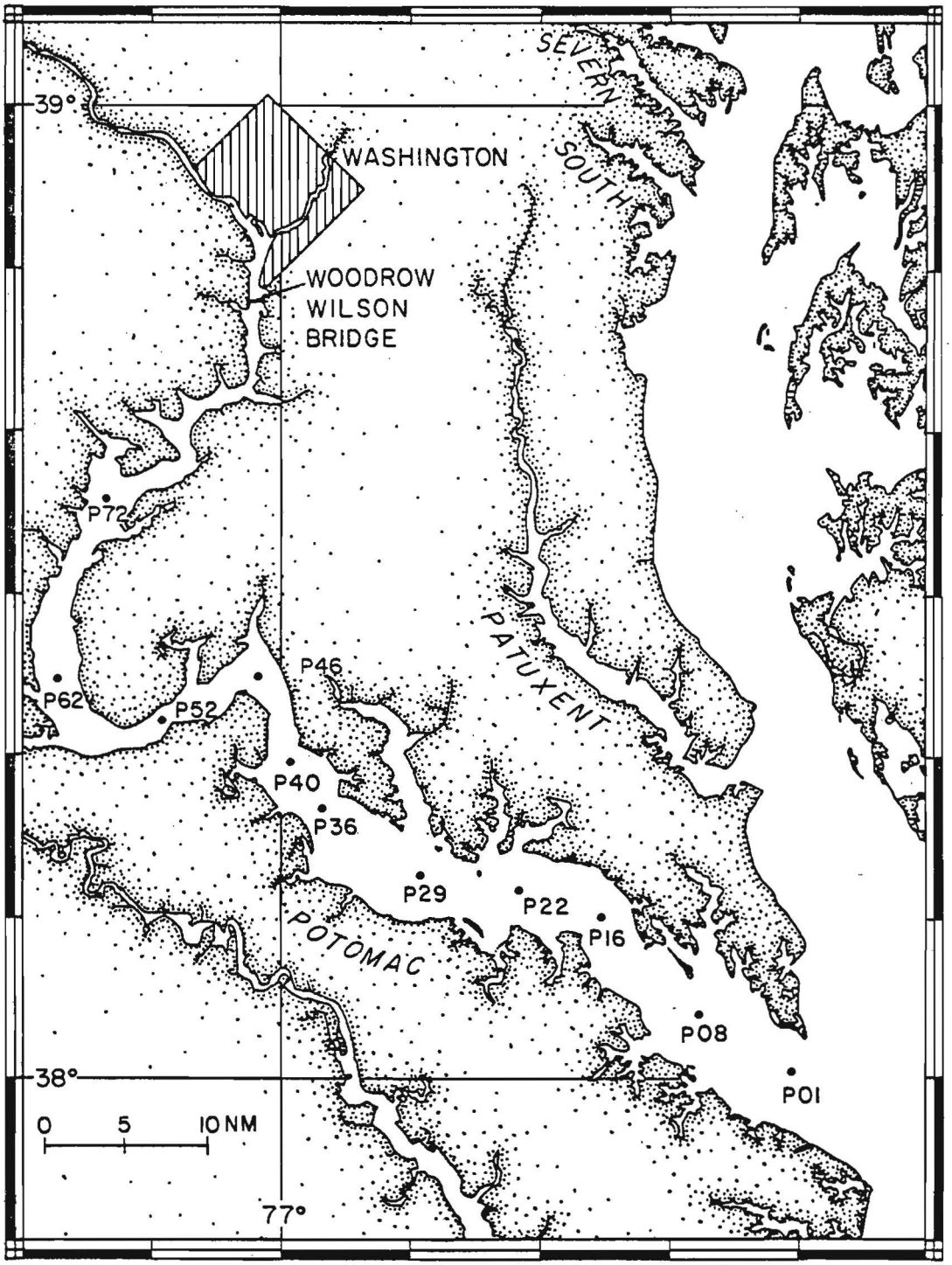

Fig. 1. Station Location Map.

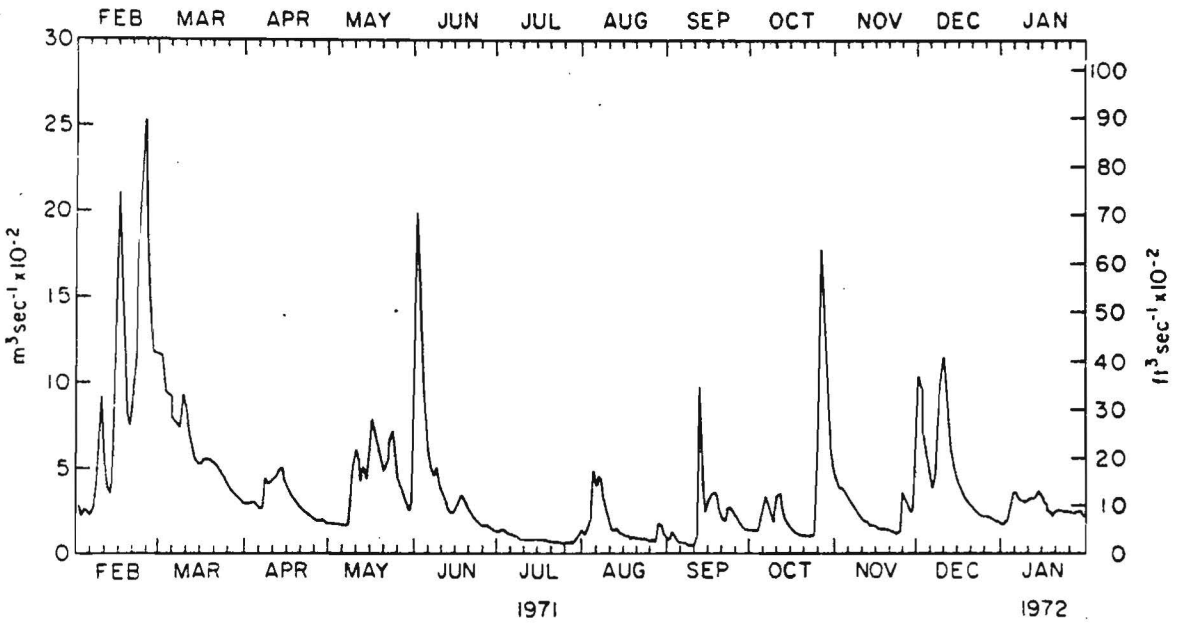

Fig. 2. Discharge of the Potomac River at the Woodrow Wilson (Beltway) Bridge between 1 Feb. 1971 and 31 Jan. 1972.

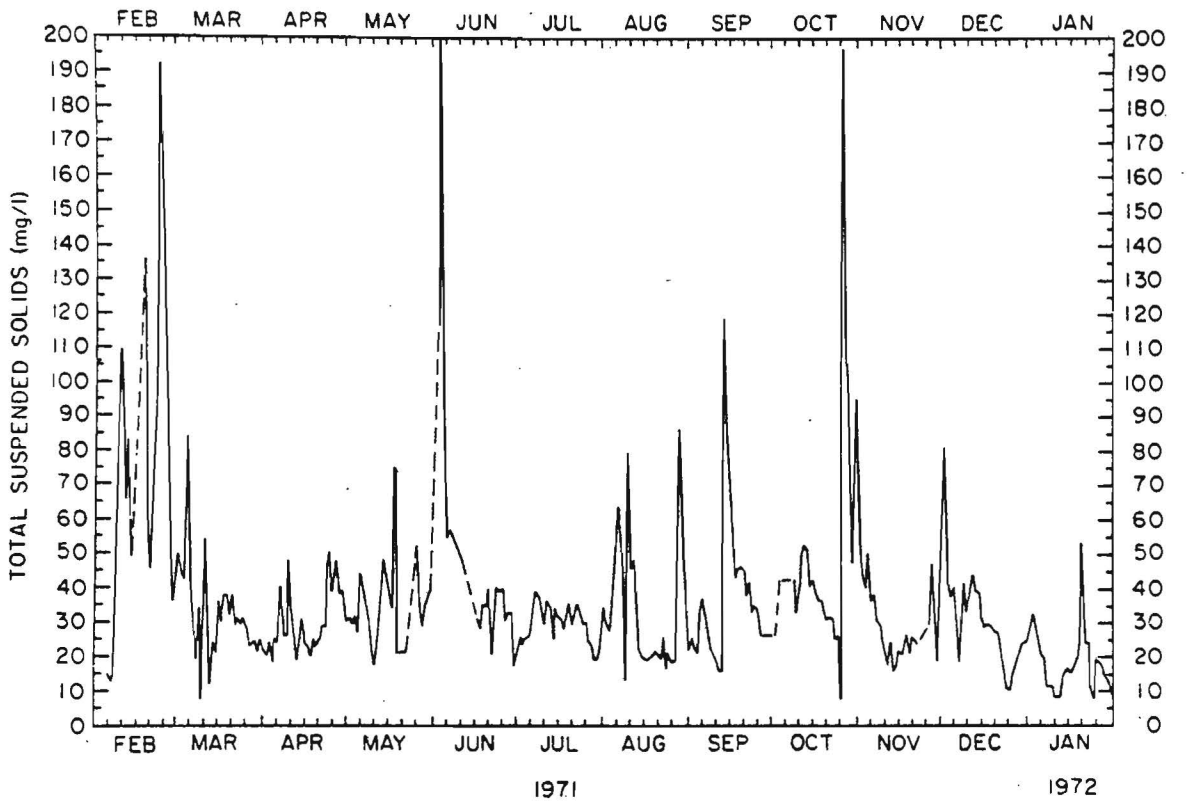

Fig. 3. Concentration (mg/ℓ) of total suspended solids at a depth of 2.5 m at the Woodrow Wilson (Beltway) Bridge between 1 Feb. 1971 and 31 Jan. 1972.

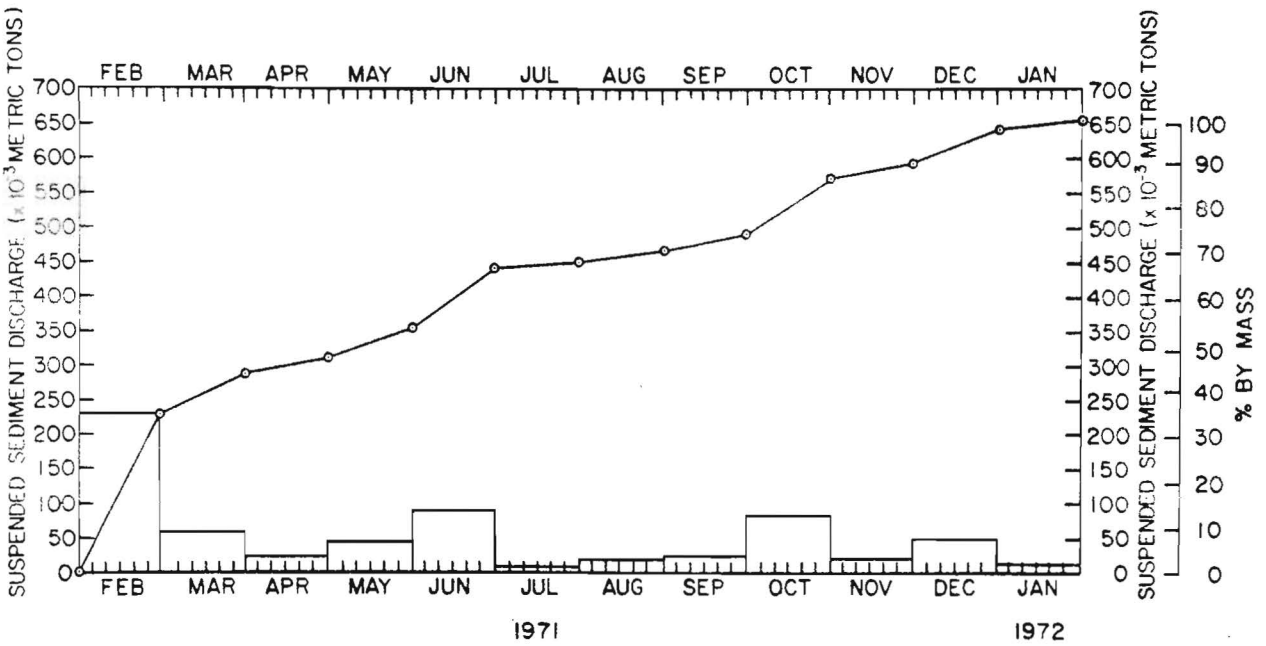

Fig. 4. Suspended solids discharge of the Potomac River at the Woodrow Wilson (Beltway) Bridge between 1 Feb. 1971 and 31 Jan. 1972 plotted as the mass discharged each month and as the cumulative discharge.

mean water discharge was about 386 m^3/sec or about 95% of the Potomac's long-term average discharge of 405 m^3/sec at the Woodrow Wilson Bridge.

A number of assumptions are involved in the determination of the estimated suspended solids discharge. It was assumed that each suspended solids concentration which was determined at a depth of approximately 2.5 m was representative of the entire water column (about 9 m) at the time of sampling. We do not have the data to assess unequivocally the effect of this assumption on our estimate. There may be some structure in the vertical distribution of suspended solids with concentrations increasing with depth. On the other hand, the suspended solids are very fine-grained and the river turbulent which tend to minimize vertical gradients.

It was also assumed that on days when no samples were collected the concentration of suspended solids could be satisfactorily estimated by the mean of the concentrations on the days preceding and following the hiatus. This assumption is reasonable, except perhaps during periods of very high runoff when water discharge and the concentrations of suspended solids may change markedly in a short time. The other assumptions are tied up in the averaging which is implicit in the calculation. To evaluate these assumptions we shall look at the calculation more closely. We define the following terms:

$D_i \equiv$ the mass of suspended solids discharged during a time interval Δt_i.

$\Delta t_i \equiv$ the time interval defined by the mid-points between sample dates.

$D_E \equiv$ the estimated mass of suspended solids discharged during the year.

$\bar{C}_i \equiv$ the average concentration of suspended solids over the time interval Δt_i.

$C_i \equiv$ the measured instantaneous suspended solids concentration at the specific time t within the time interval Δt_i.

$C \equiv$ the instantaneous suspended solids concentration averaged over the cross-section of discharging water.

$R \equiv$ the instantaneous water discharge.

$\bar{R}_i \equiv$ the mean water discharge averaged over the time interval Δt_i.

The mass of suspended solids discharged over the time interval, T, of one year where

$$T = \sum_{i=1}^{n} \Delta t_i$$

was estimated by

$$D_E = \sum_{i=1}^{n} D_i = \sum_{i=1}^{n} C_i \bar{R}_i \Delta t_i \qquad (1)$$

Equation (1) may also be written as

$$D_E = \sum_{i=1}^{n} \bar{C}_i \bar{R}_i \Delta t_i + \sum_{i=1}^{n} (C_i - \bar{C}_i) \bar{R}_i \Delta t_i \qquad (2)$$

The true value of the suspended solids discharged over the time interval T may be expressed by

$$D_T = \sum_{i=1}^{n} (\overline{CR})_i \Delta t_i \qquad (3)$$

where

$$(\overline{CR})_1 = \frac{1}{\Delta t_i} \int_{\Delta t_i} CR\,dt$$

The instantaneous values of C and R can be expressed as the sum of a mean value and a mean deviation. Thus, for the time interval, Δt, we can write

$$C = \bar{C}_i + C'_i$$

$$R = \bar{R}_i + R'_i$$

If we take the product of these and average, we obtain

$$(\overline{CR})_i = \bar{C}_i \bar{R}_i + \overline{C'_i \bar{R}_i} + \overline{\bar{C}_i R'_i} + \overline{C'_i R'_i}$$

which reduces to

$$(\overline{CR})_i = \bar{C}_i \bar{R}_i + \overline{C'_i R'_i} \qquad (4)$$

The terms $\overline{C'_i \bar{R}_i}$ and $\overline{\bar{C}_i R'_i}$ both equal zero since $\bar{R}'_i = \bar{C}'_i = 0$. And it is obvious

that $\overline{\bar{C}_i\bar{R}_i} = \bar{C}_i\bar{R}_i$ if we average over the same time interval used to define $\bar{C}_i$ and $\bar{R}_i$. The term $\overline{C'_iR'_i}$ does not equal zero however, except under very special circumstances or unless the variables are uncorrelated, which is not the case here.

Using equation (4), equation (3) can be rewritten as

$$D_T = \sum_{i=1}^{n} \bar{C}_i\bar{R}_i\Delta t_i + \sum_{i=1}^{n} \overline{C'_iR'_i}\Delta t_i \qquad (5)$$

The difference between the true suspended solids discharge (5) and the estimated discharge (2) is then $D_T - D_E$ or

$$D_T - D_E = \sum_{i=1}^{n} \overline{C'_iR'_i}\Delta t_i - \sum_{i=1}^{n} (C_i-\bar{C}_i)\bar{R}_i\Delta t_i \qquad (6)$$

The error in the estimate (2) of the mass of suspended solids discharged during the time interval, T, then is given by the difference of two terms. The first term on the right side of equation (6) depends on the correlation between the fluctuations of the suspended solids concentration and the water discharge during the time interval ΔT_i. The suspended solids concentration was measured at an interval of one per day, and thus one assumption implicit in the calculations used here is that the correlation of the fluctuations of river discharge and suspended solids concentration at frequencies higher than one per day may be ignored. The assumption is actually somewhat more conservative since each daily sample was integrated over a six-hour period. In general, the concentration of suspended solids increases with river discharge and, therefore, the correlation between them is positive. The first term on the right side of equation (6) then is positive and our estimate of the suspended solids discharge, D_E, tends to be less than the true value, D_T.

The second term on the right side of Equation (6) depends on the difference between a single determination of the suspended solids concentration taken at a specific time t during the time interval Δt_i and the mean value of the suspended solids concentration over the time interval Δt_i. This term may be either positive or negative, and hence may either add or subtract from the bias introduced into the estimate by the first term. Since there are 311 suspended solids determinations (i.e. n = 311) and since there is equal probability that $(C_i-\bar{C}_i)$ for any single set will be either positive or negative, the effect of this term on the estimate is probably quite small.

It follows that our estimate of 0.65×10^6 metric tons for the suspended sediment discharge of the Potomac River at the Woodrow Wilson Bridge between 1 February 1971 and 31 January 1972 is an underestimate, but we can not say by how much.

According to U.S. Geological Survey (1971, 1972) data collected at Point of Rocks[1], Maryland, during this same period, the Potomac discharged approximately 1.1×10^6 metric tons of suspended sediment (solids). Up to 5% of the total may have been accounted for by sand.

The difference of 0.4×10^6 metric tons in the two estimates of the suspended solids discharge of the Potomac may be due to several factors. Our estimate may be too low. The U.S. Geological Survey's estimate may be too high. There may be storage of fine-grained sediment, silt and clay, between Point of Rocks (Maryland) and the Woodrow Wilson Bridge. Or the discrepancy may be due to a combination of these factors. As pointed out previously, our estimate is inherently too low because of the method of averaging. It is unlikely, however, that this could account for a significant fraction of the difference. Our sampling may also be biased toward an underestimate, but we can not say by how much. We conclude that the discharge of total suspended solids by the Potomac River at the Woodrow Wilson Bridge for the 12-month

period from February 1971 through January 1972 was between 0.7 - 1.0 x 10^6 metric tons.

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[1]Point of Rocks, Md. is approximately 78 km upstream from the junction of the Potomac with the Anacostia River, and approximately 85 km upstream from the Woodrow Wilson Bridge.

LONGITUDINAL DISTRIBUTIONS OF SUSPENDED SEDIMENT, TEMPERATURE, AND SALINITY

Introduction

A series of same slack cruises were made along the axis of the Potomac by the Chesapeake Bay Institute between 1971-1973 to document the longitudinal distributions of temperature and salinity. On many of these cruises, we made opportunistic determinations of the longitudinal distributions of total suspended solids. On selected cruises, determinations were also made of the distributions of dissolved oxygen. These data are not reported here. The observations usually spanned a two-day period; the end of the first day of the same slack run up the estuary, and the following day on the return trip down the estuary. The dates of the cruises, the observations made, and the most landward-stations occupied are summarized in Table 1. The station locations are shown in Fig. 1, and their positions are recorded in Table 2. The data are recorded in tabular form in Appendix A and as longitudinal sections in Figs. 5 - 29.

Methods

Total Suspended Solids

Concentrations of total suspended solids were determined by filtration of measured volumes of water (generally 500-1000 mℓ through pre-weighed 0.6 µm average pore diameter Nuclepore^R membrane filters. The water samples were collected with a submersible pump and were filtered aboard ship. The filters and their sediment loads were rinsed several times with distilled water to remove any sea salt and were placed in small, individual desiccators made from 120 mℓ (4 ounce) squat-form jars (Schubel, 1968). Samples were desiccated over silica gel at ambient temperature for at least 72 hours before weighing. All weighings were made to ±0.03 mg.

Salinity and Temperature

Salinities were computed from measurements of temperature and electrical conductivity made with a Chesapeake Bay Institute ICTI (Induction Conductivity Temperature Indicator). The computed salinities have a precision of about ±0.03‰ and an accuracy of approximately ±0.05‰. Temperatures are accurate to within ± 0.02 C. For a complete description of the ICTI, see Schiemer and Pritchard (1961).

TABLE 1

SUMMARY OF OBSERVATIONS

Date	Most Landward Station	Observations T (°C)	S (‰)	O_2 (mℓ/ℓ)	Susp. Sed. (mg/ℓ)
1971					
Jan. 14-15 1971	P 82	✓	✓		✓
Feb. 17-18 1971	P 82	✓	✓		✓
Mar. 3 1971	P 52	✓	✓		✓
Apr. 14-15 1971	P 52	✓	✓		✓
Apr. 27-28 1971	P 52	✓	✓		✓
May 5-6 1971	P 60	✓	✓		✓
Jun. 10-11 1971	P 52	✓	✓		✓
Jul. 7-8 1971	P 52	✓	✓		✓
Aug. 10-11 1971	P 57	✓	✓		✓
Sep. 8-9 1971	P 60	✓	✓		✓
Nov. 3-4 1971	P 52	✓	✓		✓
1972					
Jul. 14-15 1972	P 21	✓	✓	✓	✓
Jul. 21 1972	P 48	✓	✓		✓
Aug. 1-2 1972	P 48	✓	✓		✓
Aug. 29-30 1972	P 48	✓	✓	✓	✓
Sep. 20-22 1972	P 48	✓	✓	✓	✓
Oct. 10-11 1972	P 54	✓	✓	✓	✓
Nov. 19 1972	P 48	✓	✓	✓	✓
Dec. 12-13 1972	P 54	✓	✓	✓	✓
1973					
Jan. 23-24 1973	P 72	✓	✓	✓	✓
Feb. 28 1973	P 72	✓	✓	✓	✓
Mar. 27-28 1973	P 72	✓	✓		✓
Apr. 24-25 1973	P 54	✓	✓	✓	✓
May 29 1973	P 62	✓	✓		✓
Jun. 26-27 1973	P 72	✓	✓		✓

TABLE 2

STATION LOCATIONS AND DEPTHS

STATION	LATITUDE	LONGITUDE	DEPTH
P01	38°00'41"N	76°20'37"W	14.6m
P08	38°04'07"	76°28'07"	15.8
P09	38°04'28"	76°28'27"	15.8
P16	38°09'50"	76°34'56"	16.8
P21	38°12'04"	76°40'07"	8.5
P22	38°10'50"	76°41'14"	7.9
P29	38°14'20°	76°51'02"	9.1
P30	38°14'14"	76°50'42"	9.1
P36	38°16'51"	76°57'48"	12.8
P41	38°21'12"	76°59'10"	21.3
P48	38°23'54"	77°04'54"	11.6
P52	38°23'35"	77°09'17"	13.4
P54	38°21'03"	77°11'58"	18.0
P58	38°23'16"	77°15'24"	6.4
P62	38°27'15"	77°16'21"	7.3
P64	38°28'56"	77°16'33"	9.7
P70	38°35'43"	77°11'58"	8.5
P72	38°35'51"	77°11'51	9.1
P76	38°35'37"	77°07'25"	11.0
P82	38°28'56"	77°16'33"	9.7

Weather

Weather is reported in the following code:

Code	Description
00	Cloudless (from no clouds up to 1/10 coverage)
01	Partly cloudy (from 1/10 to 5/10)
02	Cloudy (over 5/10 up to 9/10)
03	Overcast (over 9/10)
04	Low fog, on ground or at sea
05	Haze
07	Distant lightning
10	Precipitation within sight
11	Thunder, without precipitation
13	Squally weather
16	Waterspout seen
19	Signs of tropical storm
40	Fog
49	Fog in patches
51	Intermittent drizzle
52	Continuous drizzle
57	Drizzle and fog
58	Drizzle and rain, mixed
61	Intermittent rain
62	Continuous rain
67	Rain and fog
69	Rain and snow, mixed
71	Intermittent snow (in flakes)
72	Continuous snow (in flakes)
77	Snow and fog
78	Frozen drizzle (grains of snow)
79	Ice crystals or frozen rain drops
81	Rain showers
83	Snow showers
88	Hail, or rain and hail showers
93	Thunderstorm, with rain (or snow) but without hail
94	Thunderstorm, with hail
97	Heavy thunderstorm

Wind direction is given in degrees true.

Wind speed is given in knots.

Time

All times are Eastern Standard Time.

The Observations

The temperature, salinity and suspended solids observations are summarized on longitudinal sections along the axis of the Potomac in Figs. 5 - 29.

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_____1972. Water Resources Data for Maryland and Delaware, 1972. Part 2, Water Quality Records. 109 p.

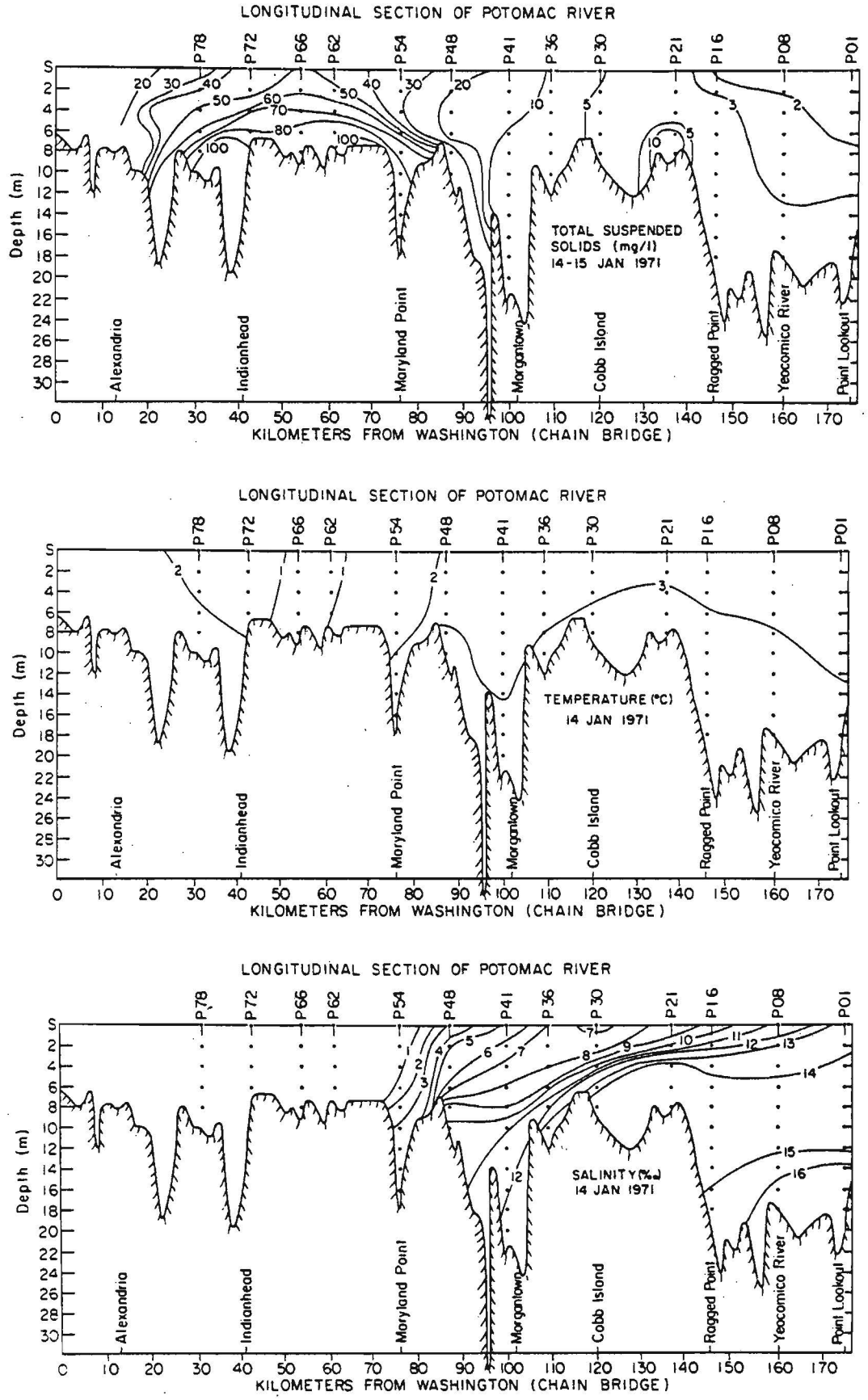

Fig. 5. Distributions of total suspended solids, temperature, and salinity on 14-15 Jan. 1971.

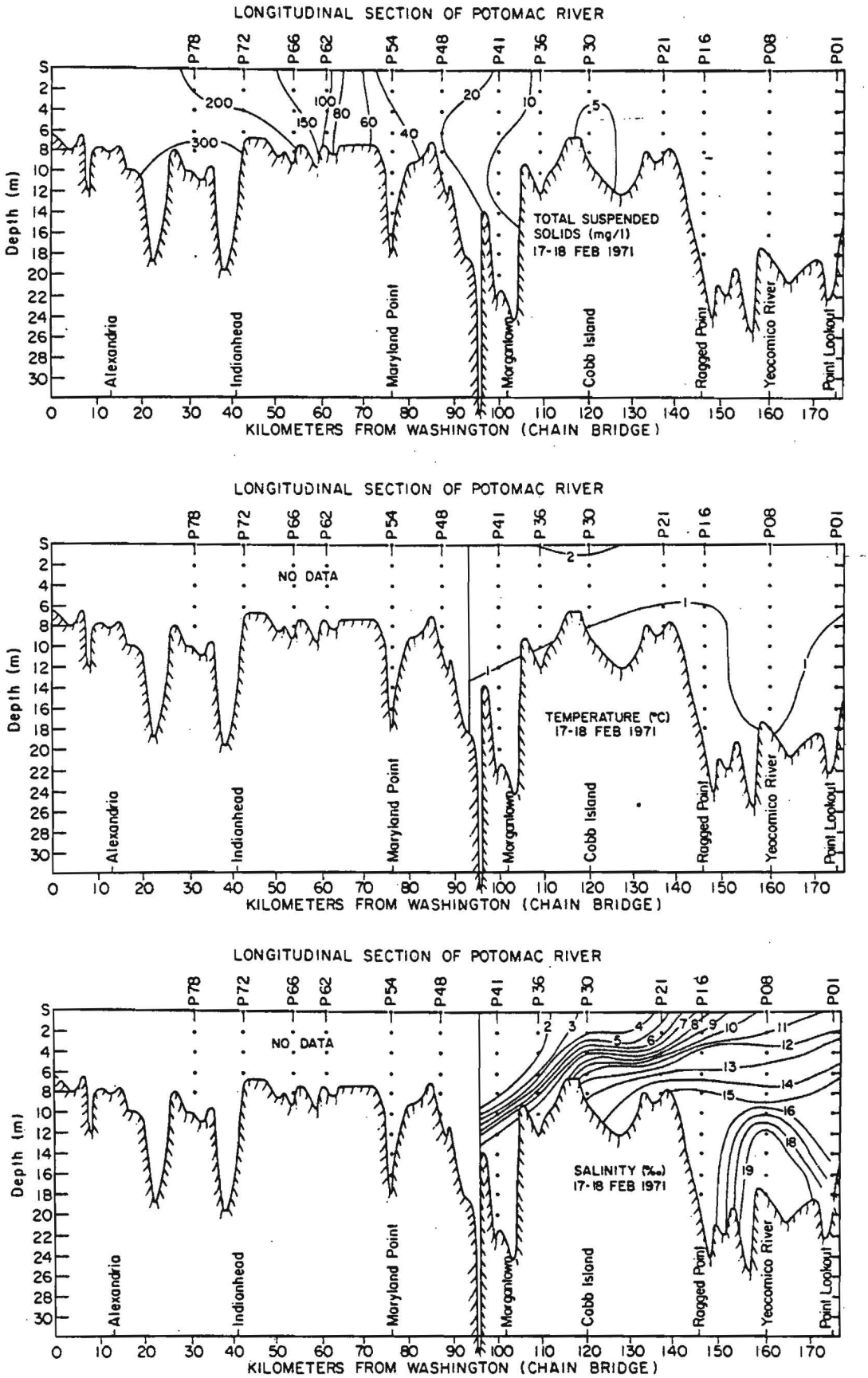

Fig. 6. Distributions of total suspended solids, temperature, and salinity on 17-18 Feb. 1971.

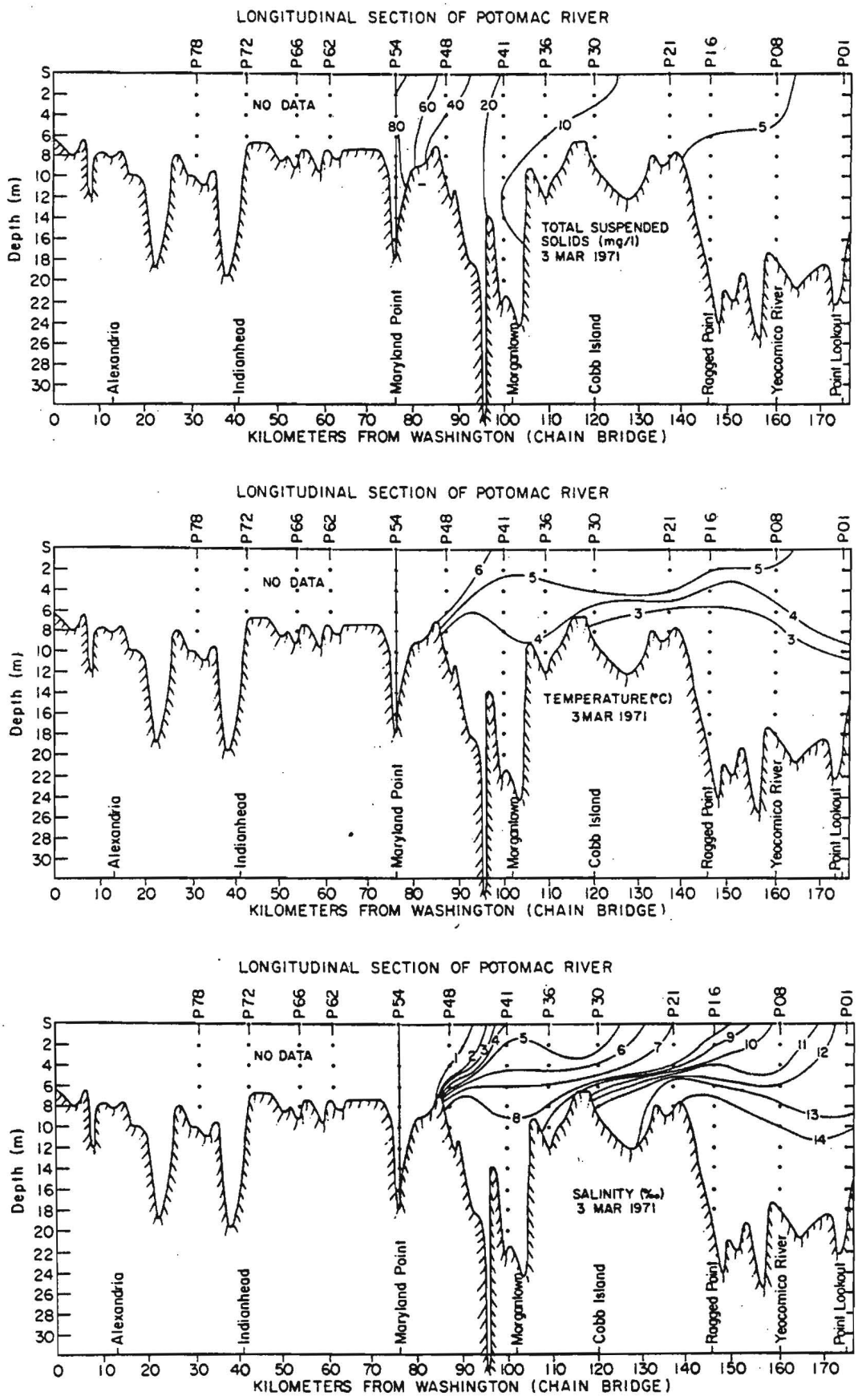

Fig. 7. Distributions of total suspended solids, temperature, and salinity on 3 Mar. 1971.

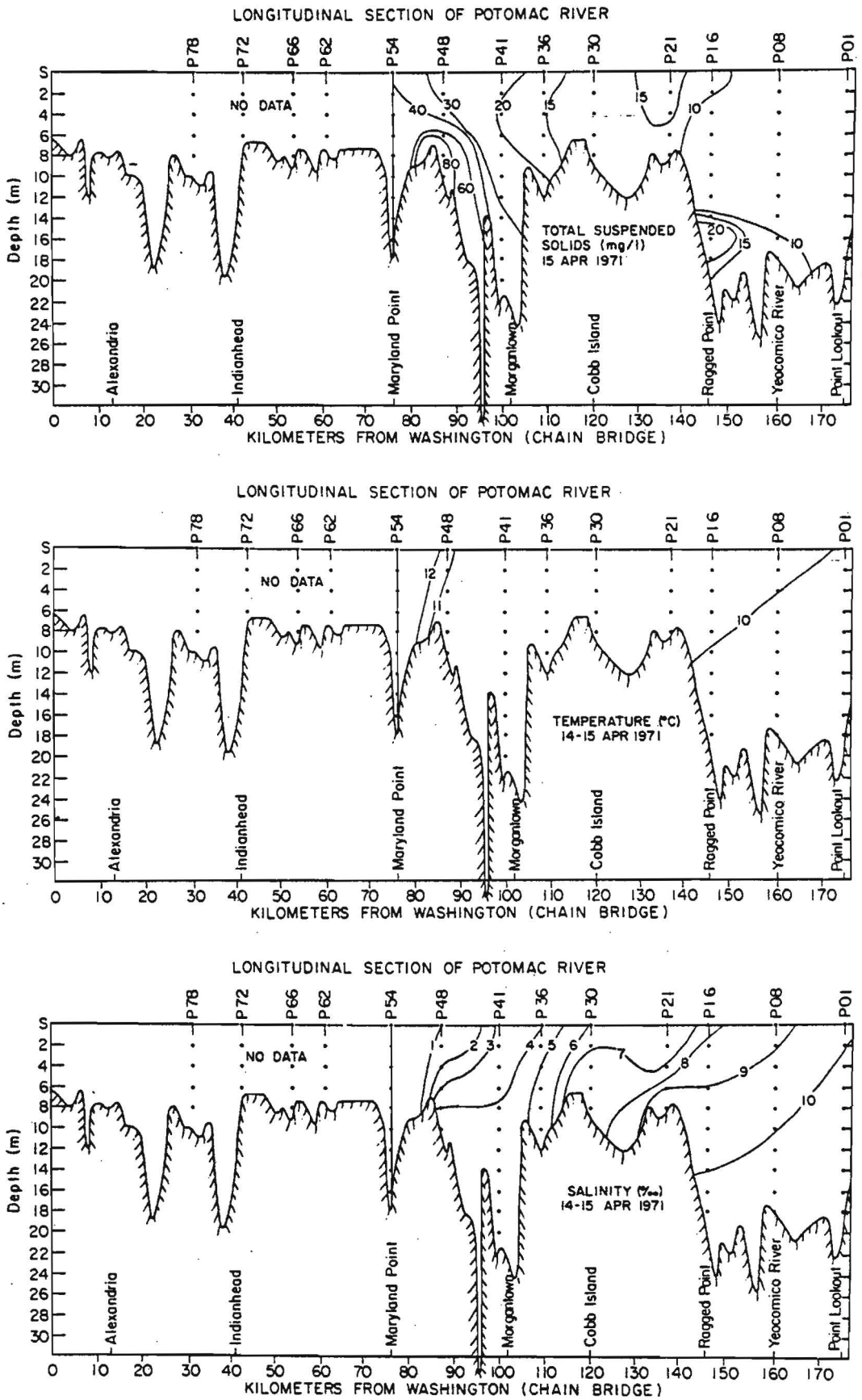

Fig. 8. Distributions of total suspended solids, temperature, and salinity on 14-15 Apr. 1971.

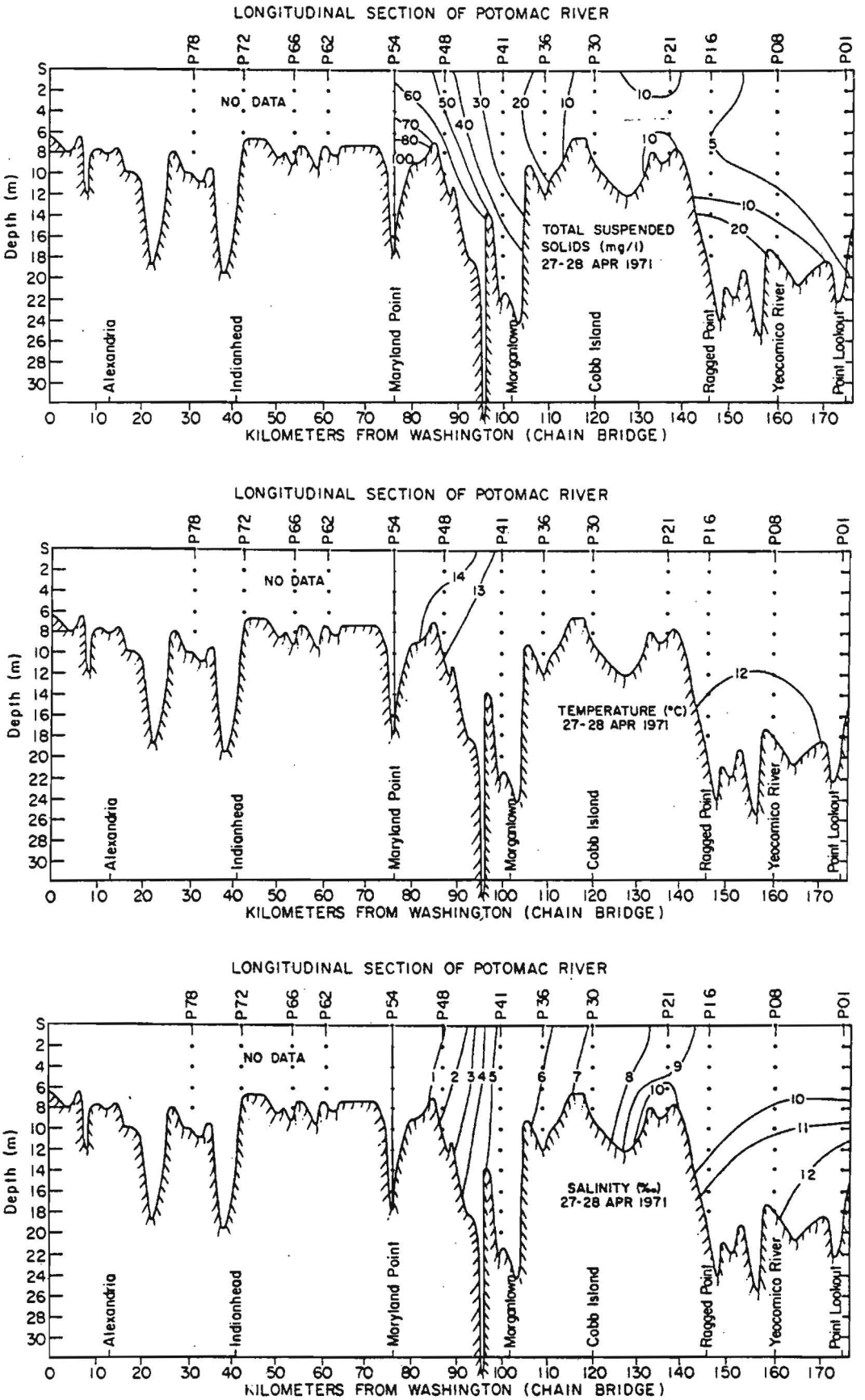

Fig. 9. Distributions of total suspended solids, temperature, and salinity on 27-28 Apr. 1971.

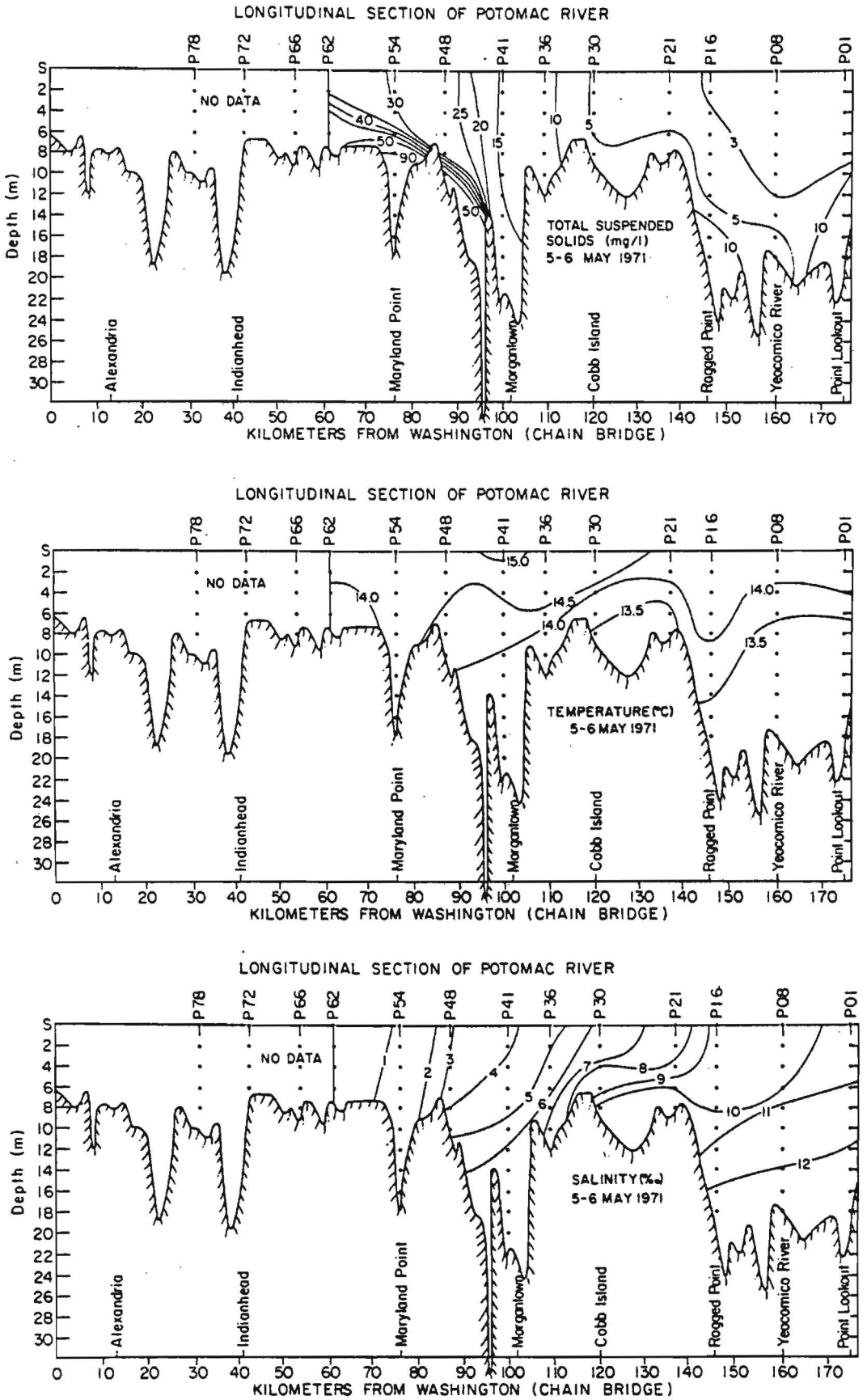

Fig. 10. Distributions of total suspended solids, temperature, and salinity on 5-6 May 1971.

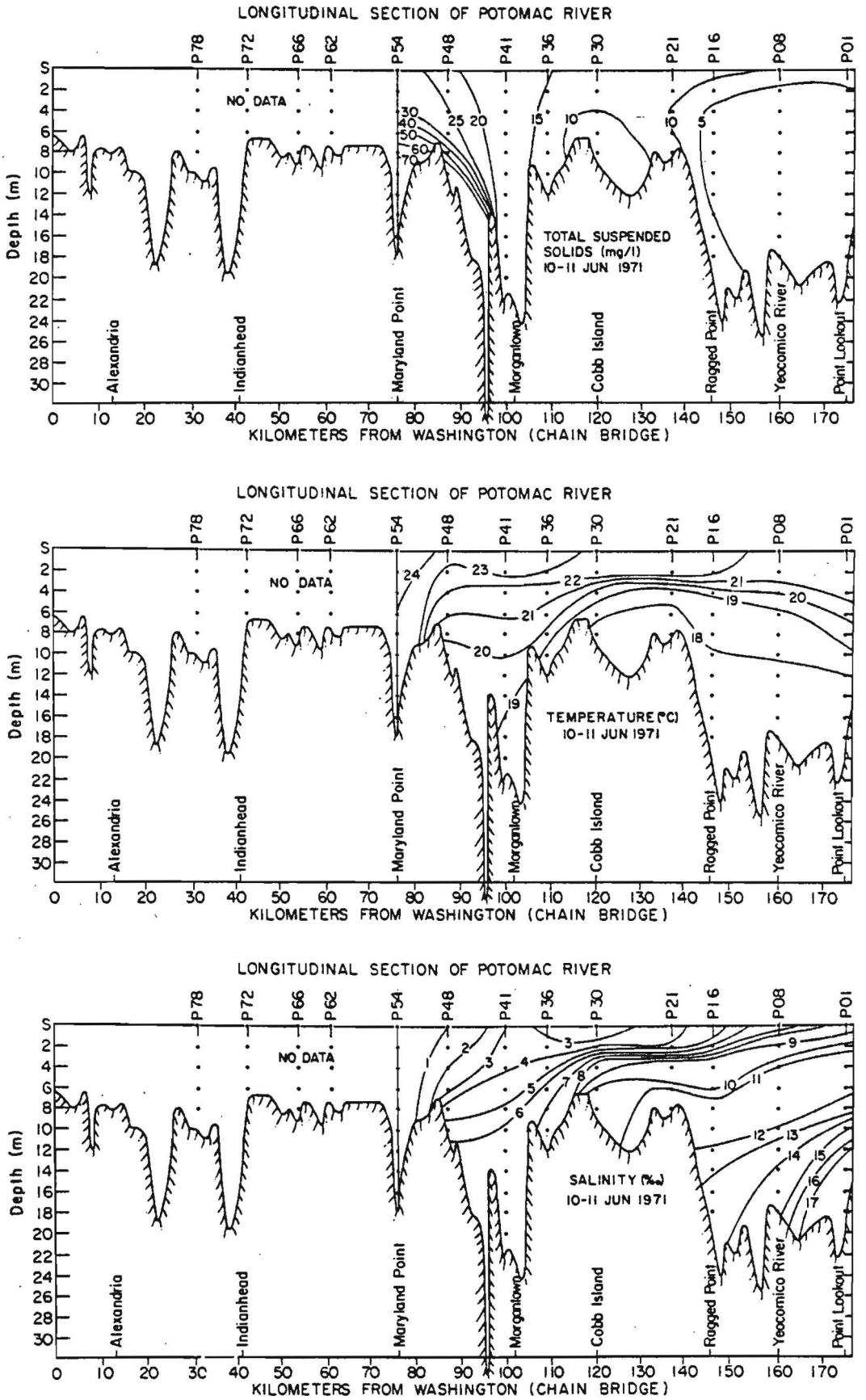

Fig. 11. Distributions of total suspended solids, temperature, and salinity on 10-11 Jun. 1971.

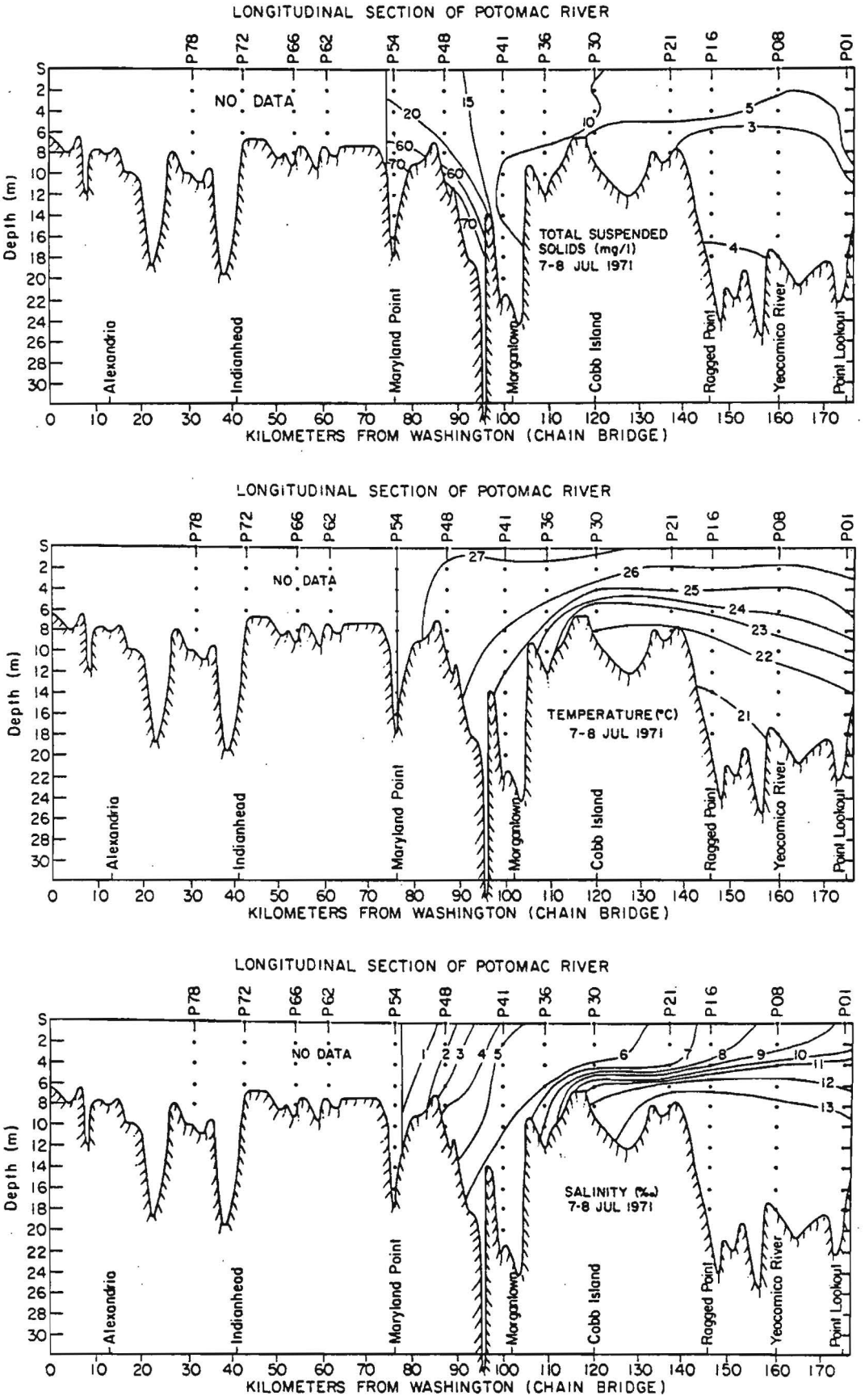

Fig. 12. Distributions of total suspended solids, temperature, and salinity 7-8 Jul. 1971.

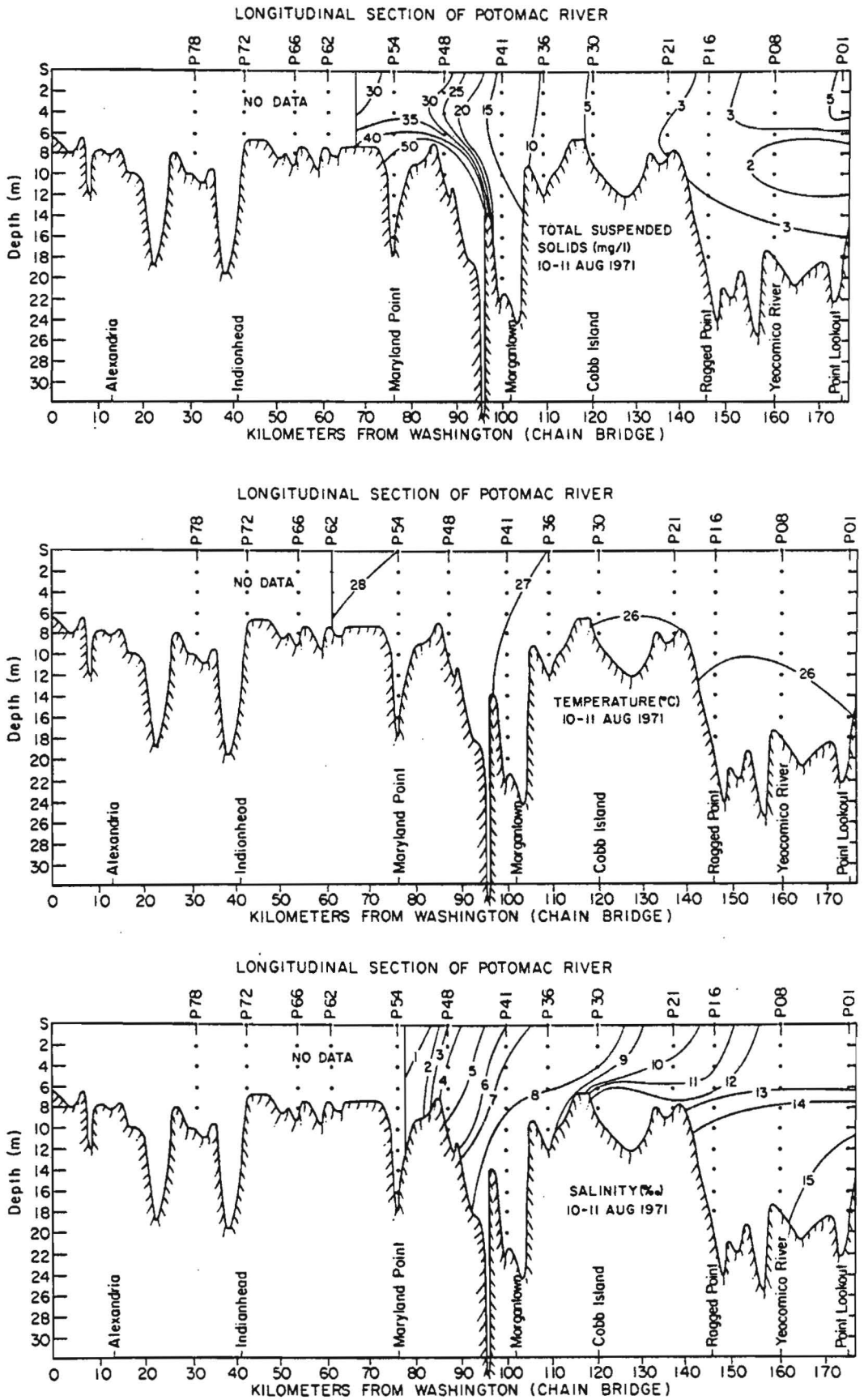

Fig. 13. Distributions of total suspended solids, temperature, and salinity 10-11 Aug. 1971.

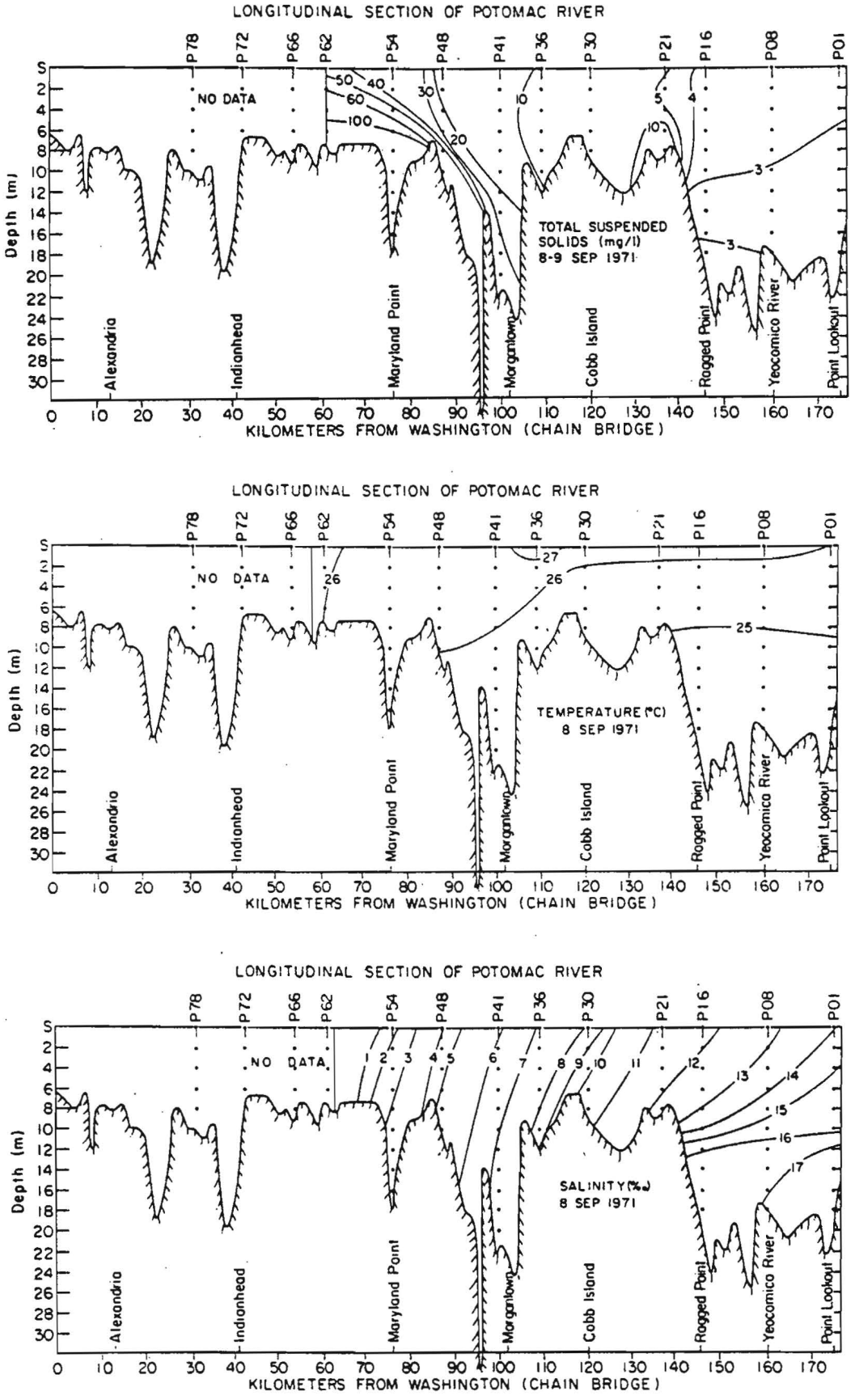

Fig. 14. Distributions of total suspended solids, temperature, and salinity 8-9 Sep. 1971.

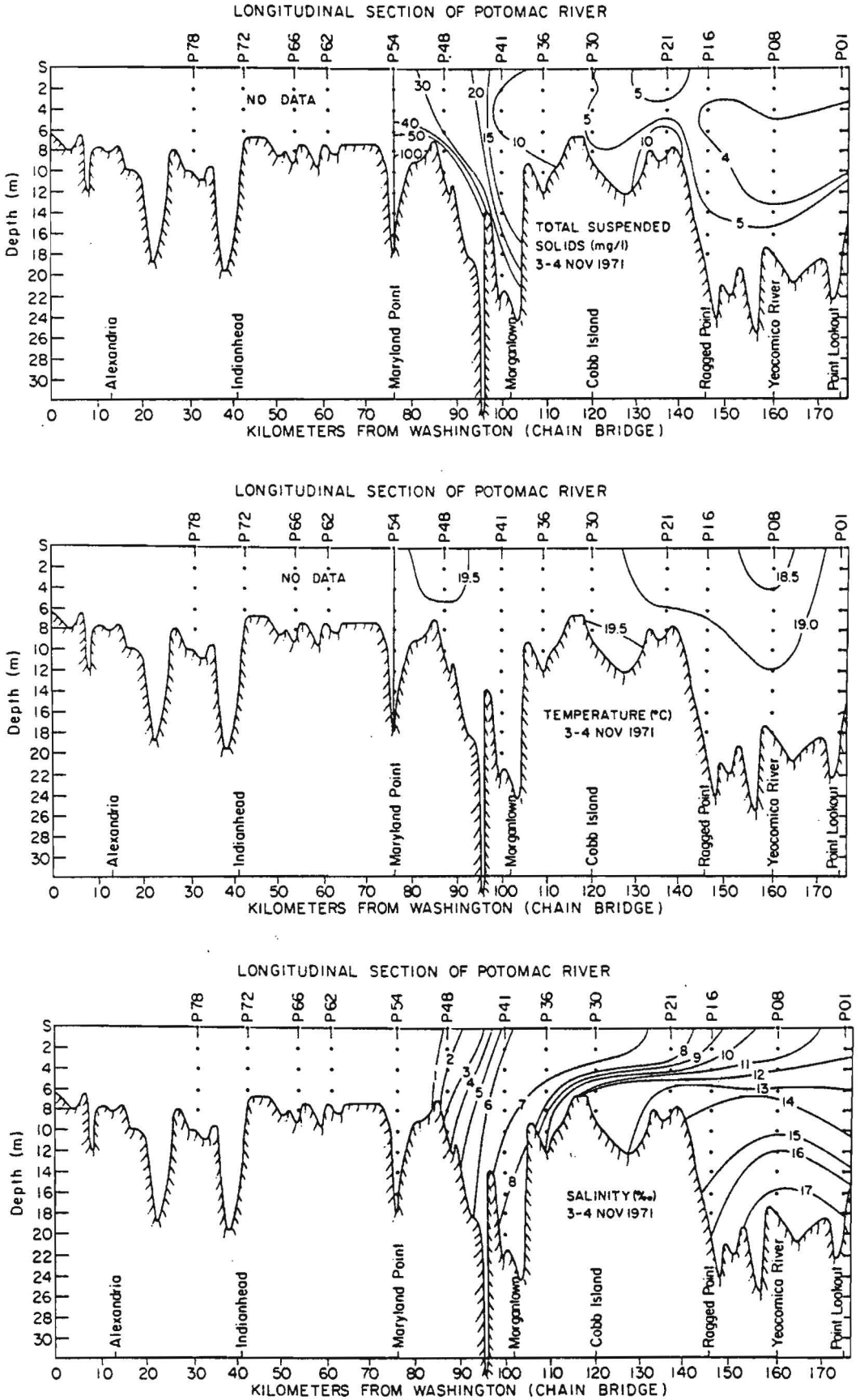

Fig. 15. Distributions of total suspended solids, temperature, and salinity 3-4 Nov. 1971.

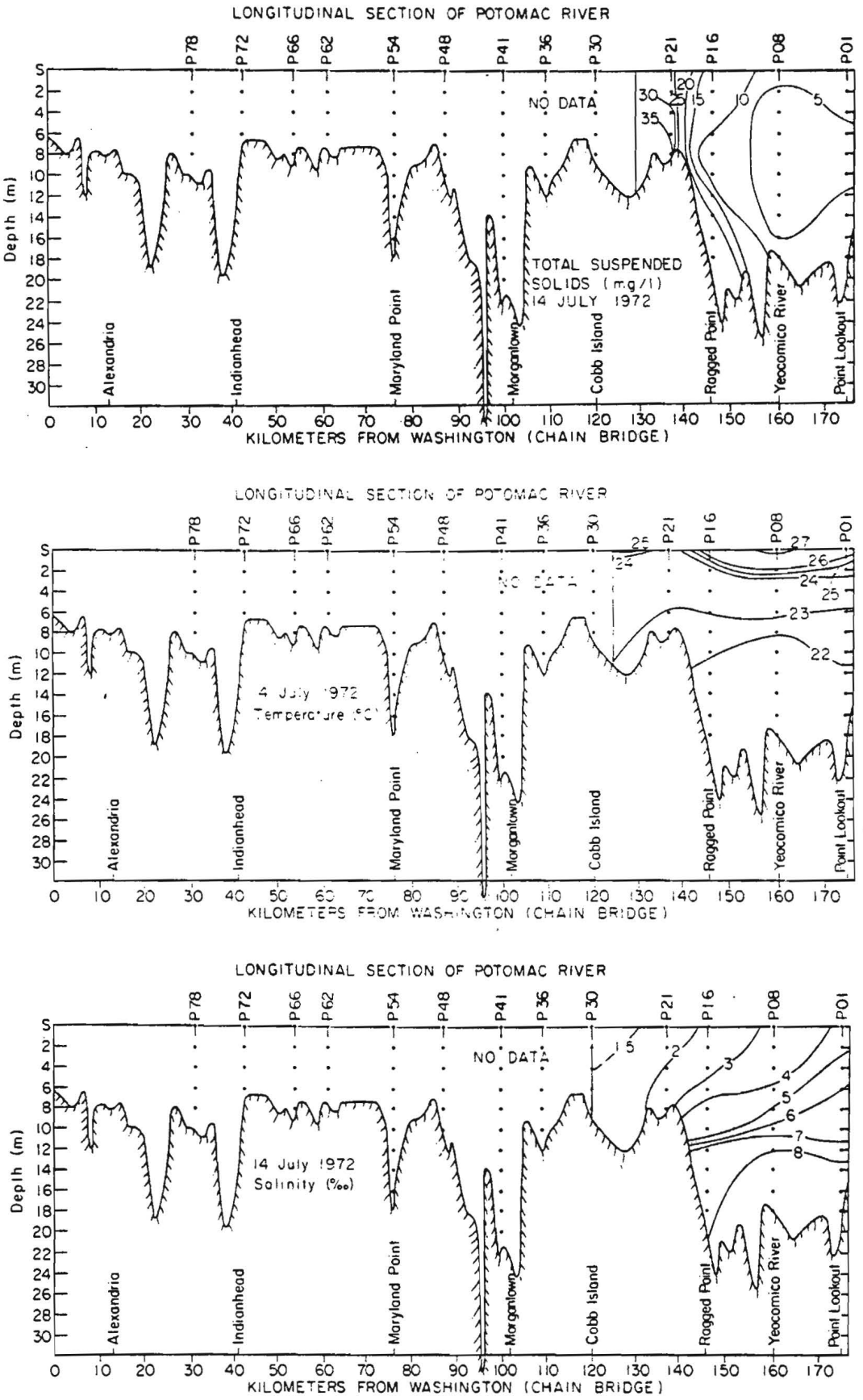

Fig. 16. Distributions of total suspended solids, temperature, and salinity 14 Jul. 1972.

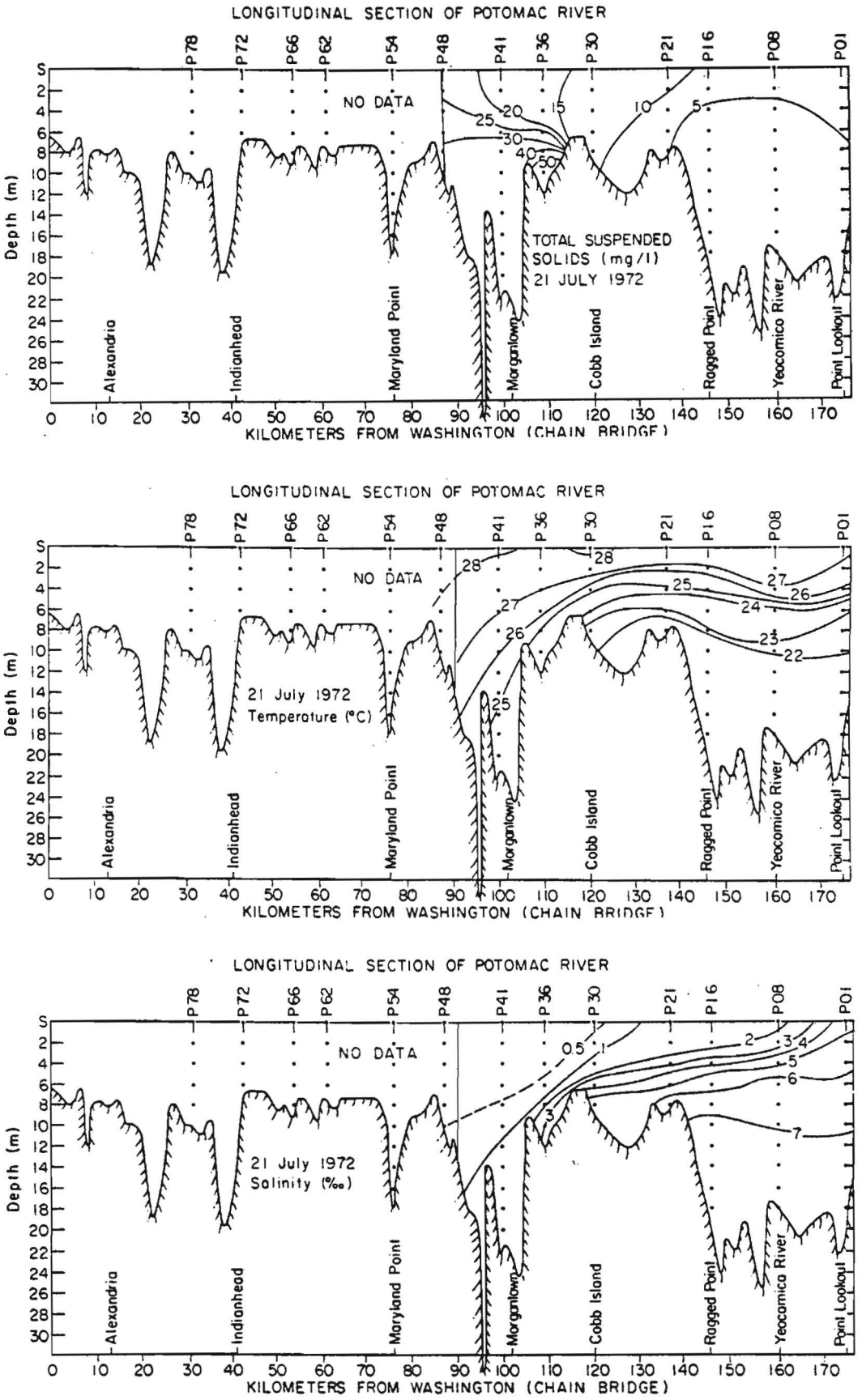

Fig. 17. Distributions of total suspended solids, temperature, and salinity 21 Jul. 1972.

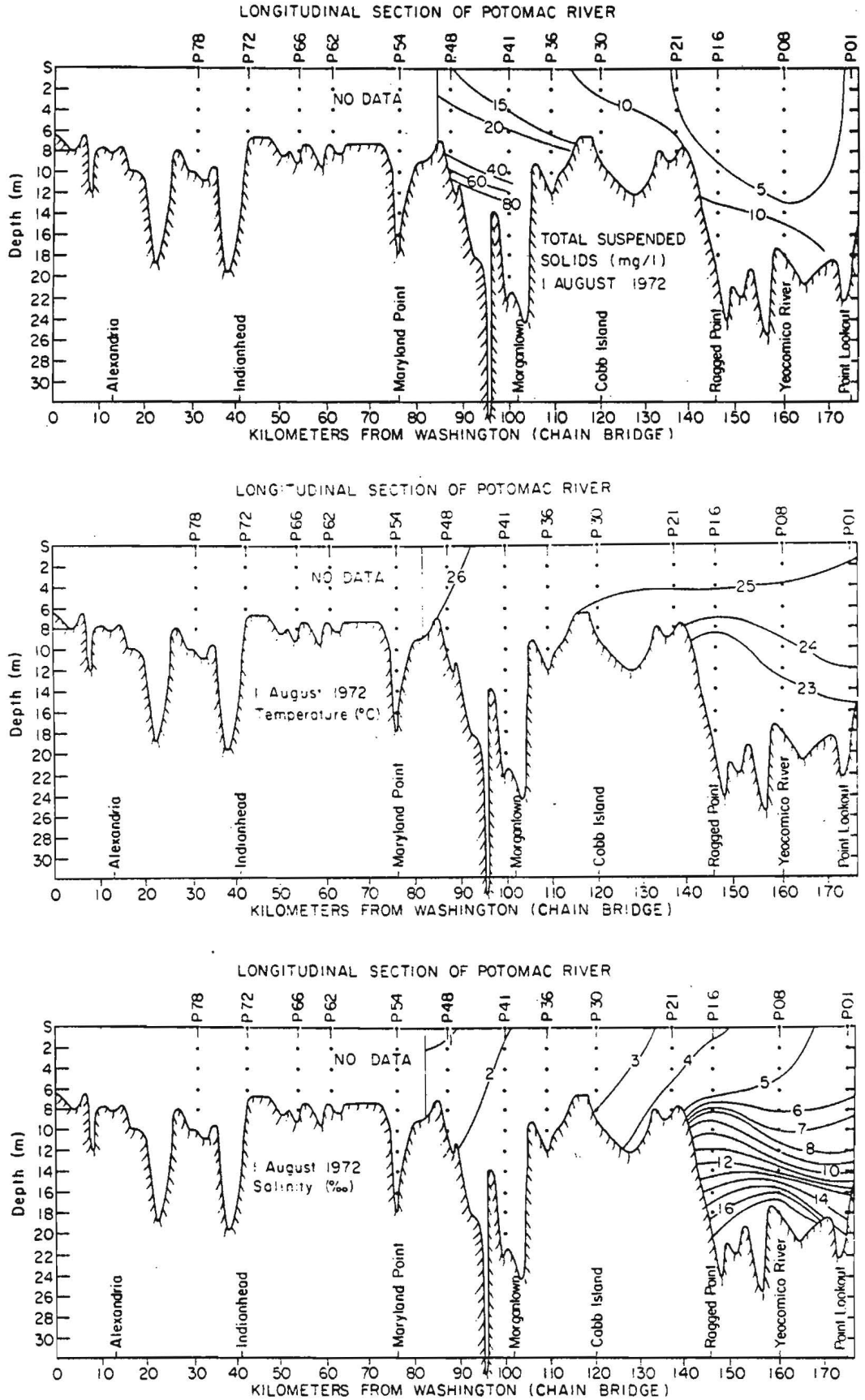

Fig. 18. Distributions of total suspended solids, temperature, and salinity 1 Aug. 1972.

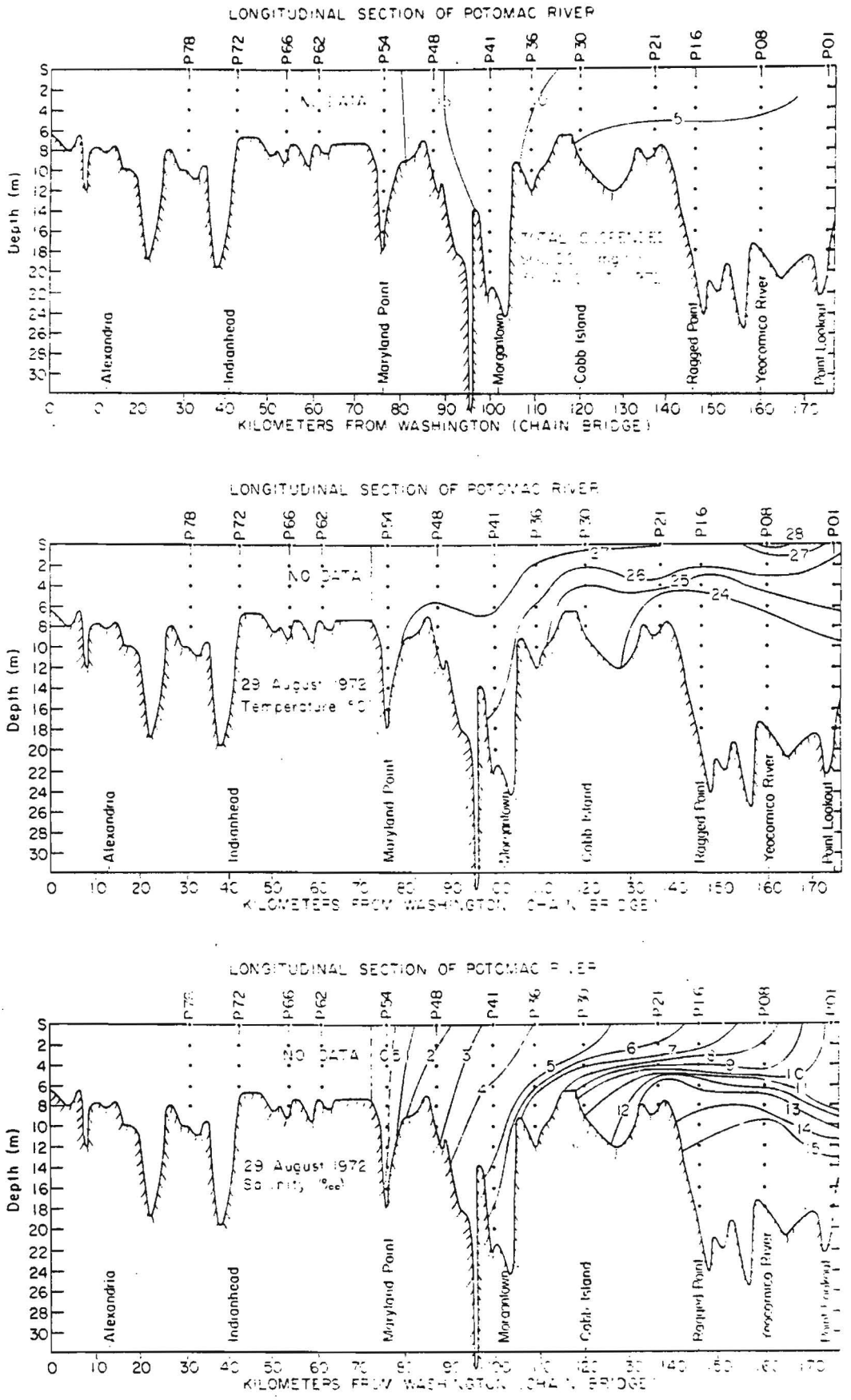

Fig. 19. Distributions of total suspended solids, temperature, and salinity 29-30 Aug. 1972.

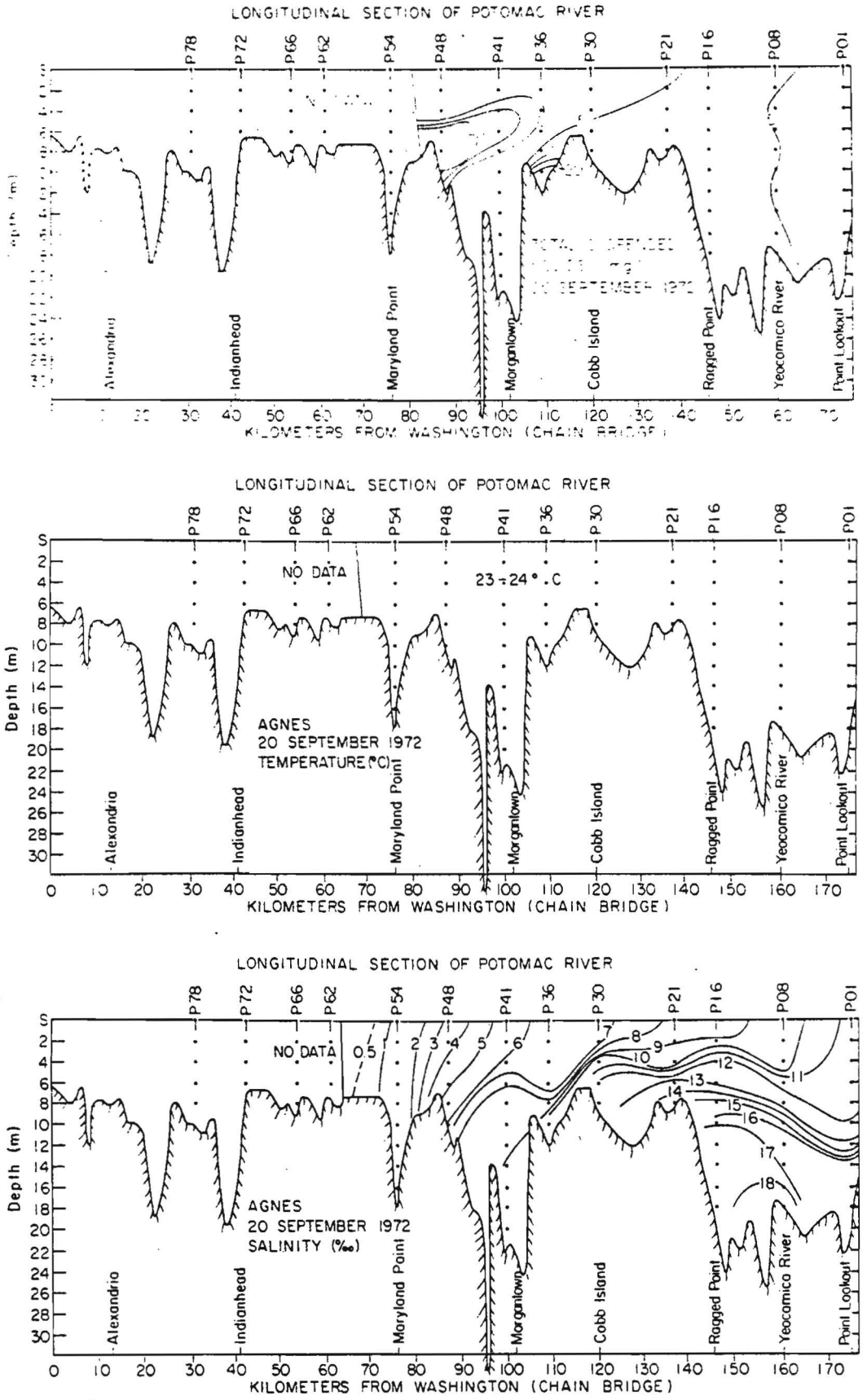

Fig. 20. Distributions of total suspended solids, temperature, and salinity 20 Sep. 1972.

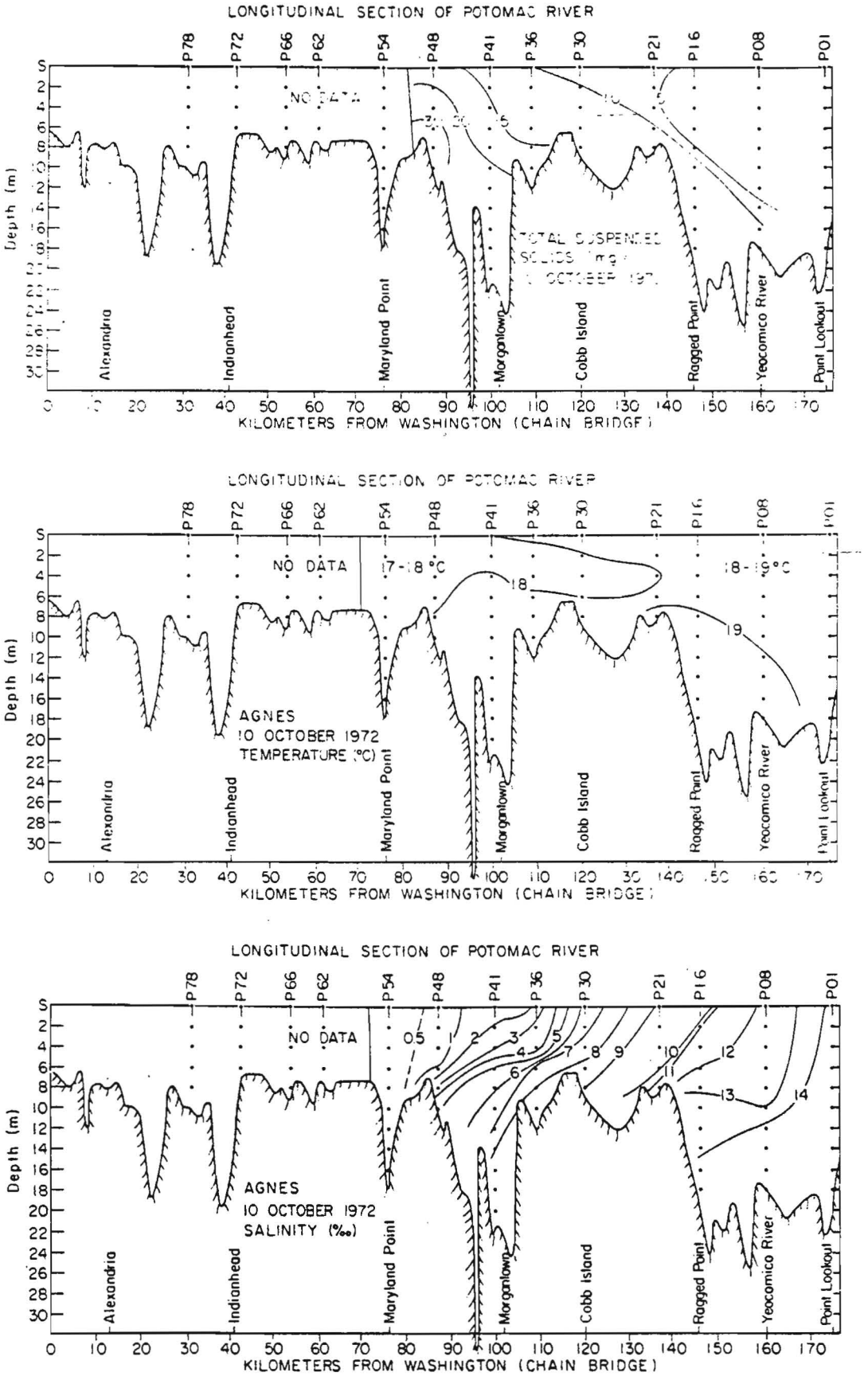

Fig. 21. Distributions of total suspended solids, temperature, and salinity 10 Oct. 1972.

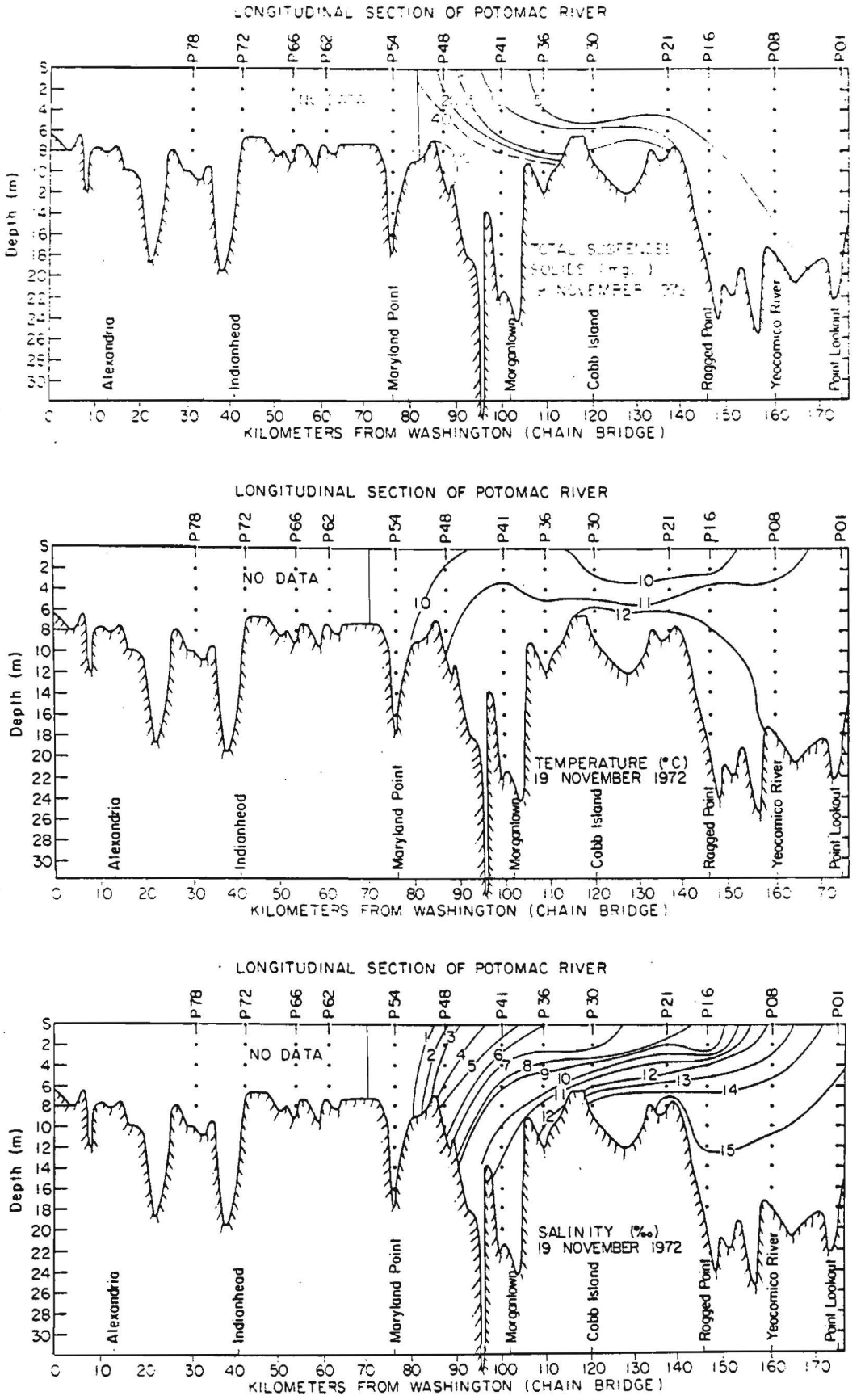

Fig. 22. Distributions of total suspended solids, temperature, and salinity 19 Nov. 1972.

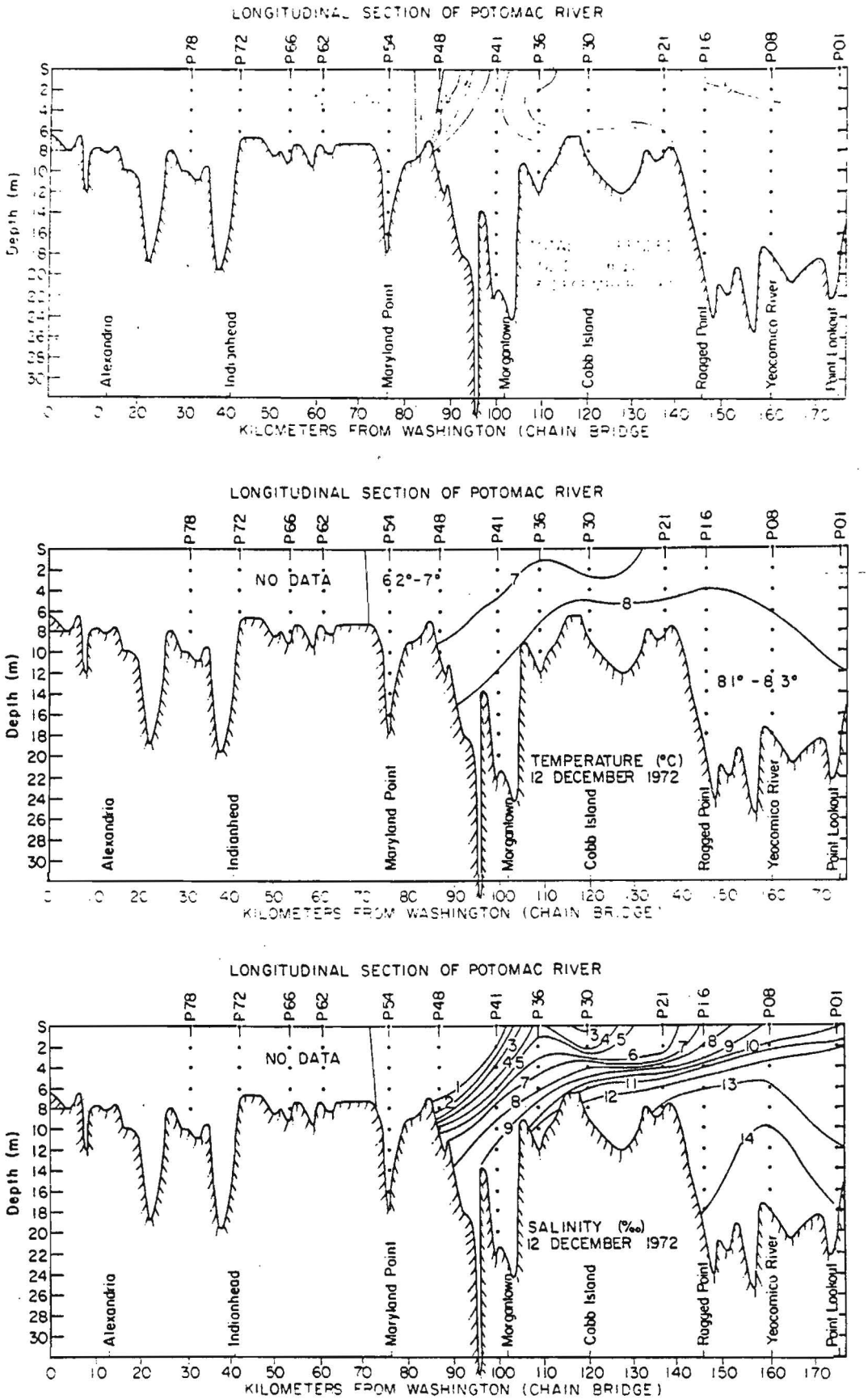

Fig. 23. Distributions of total suspended solids, temperature, and salinity 12-13 Dec. 1972.

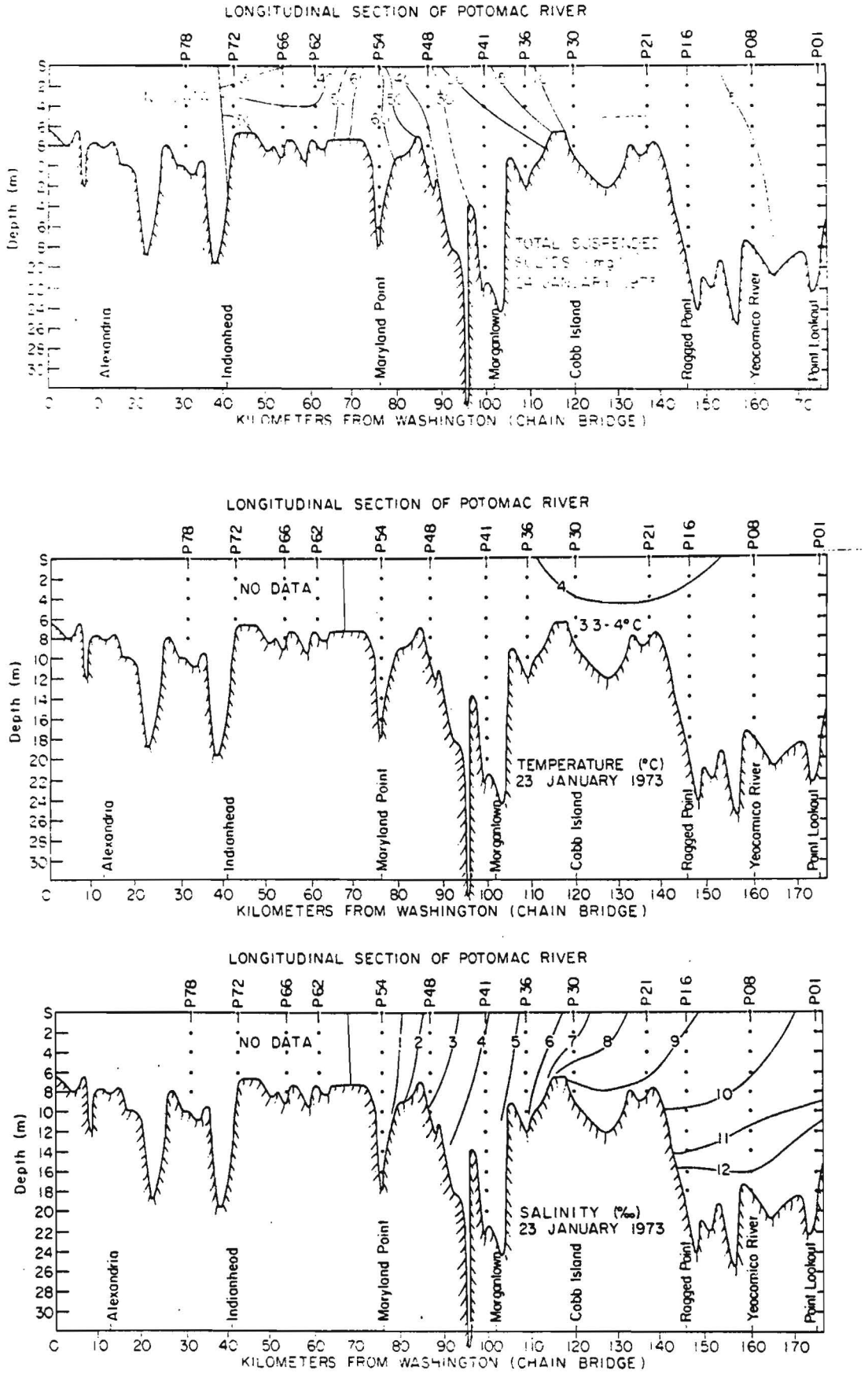

Fig. 24. Distributions of total suspended solids, temperature, and salinity 23-24 Jan. 1973.

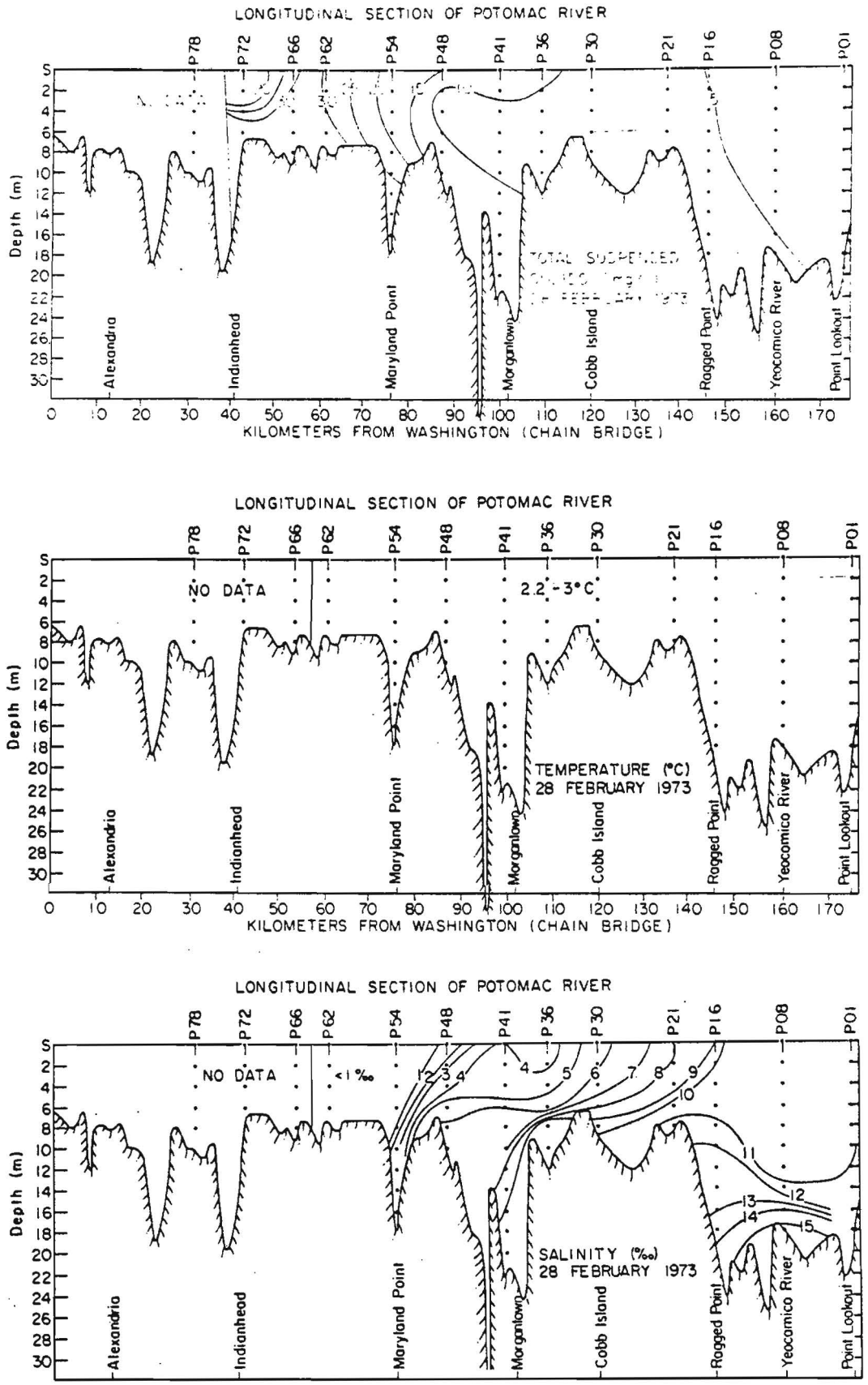

Fig. 25. Distributions of total suspended solids, temperature, and salinity 28 Feb. 1973.

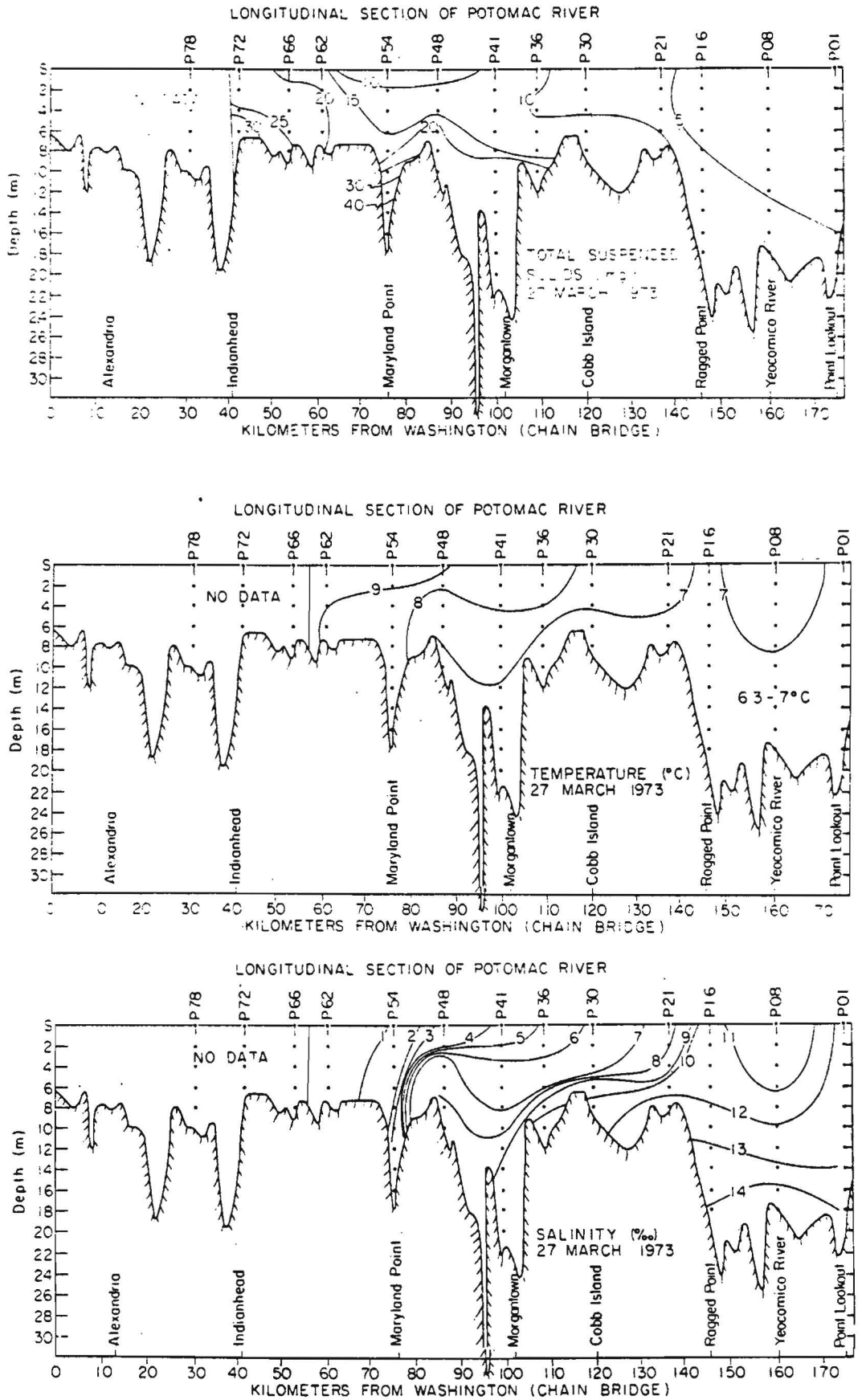

Fig. 26. Distributions of total suspended solids, temperature, and salinity 27 Mar. 1973.

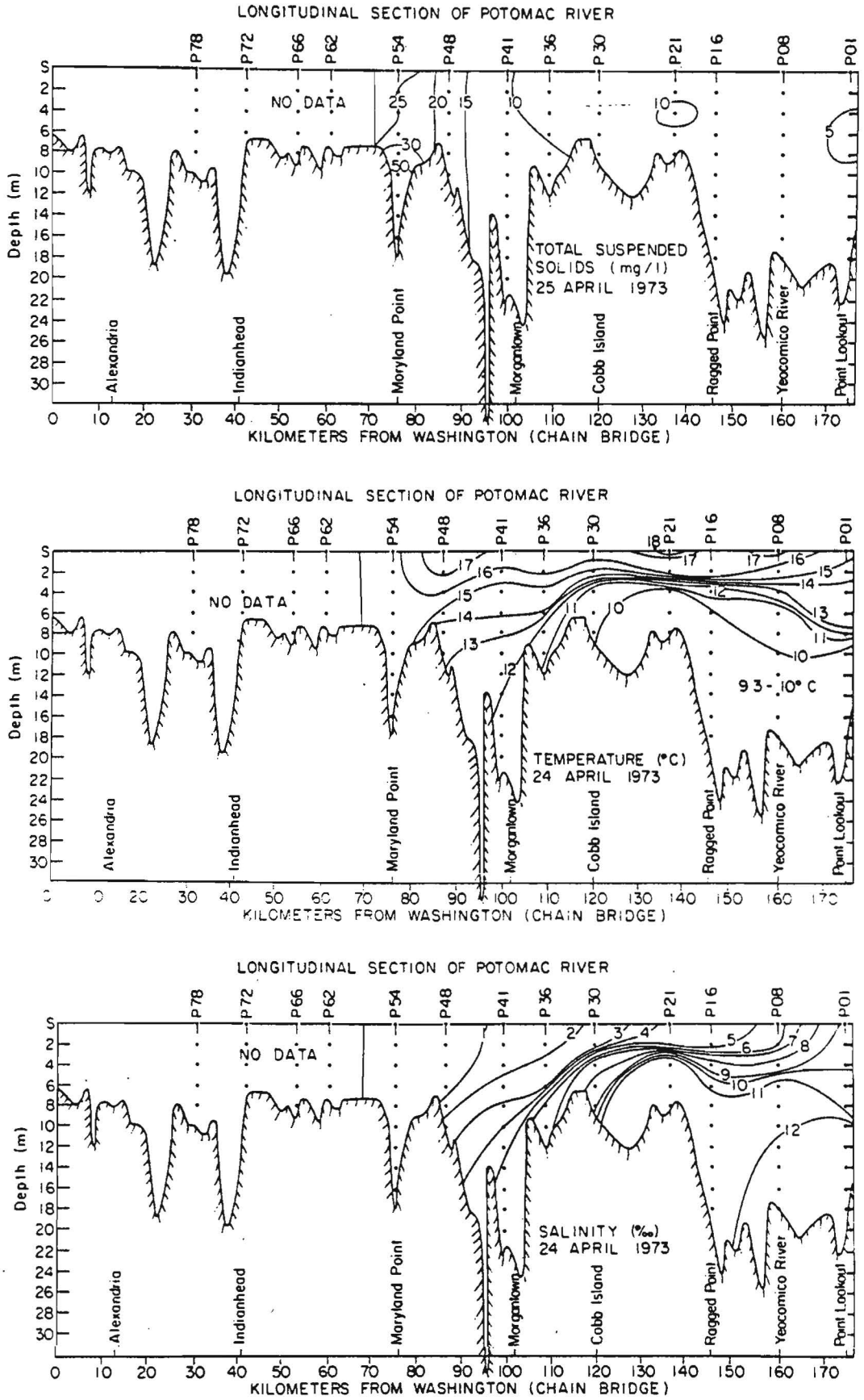

Fig. 27. Distributions of total suspended solids, temperature, and salinity 24-25 Apr. 1973.

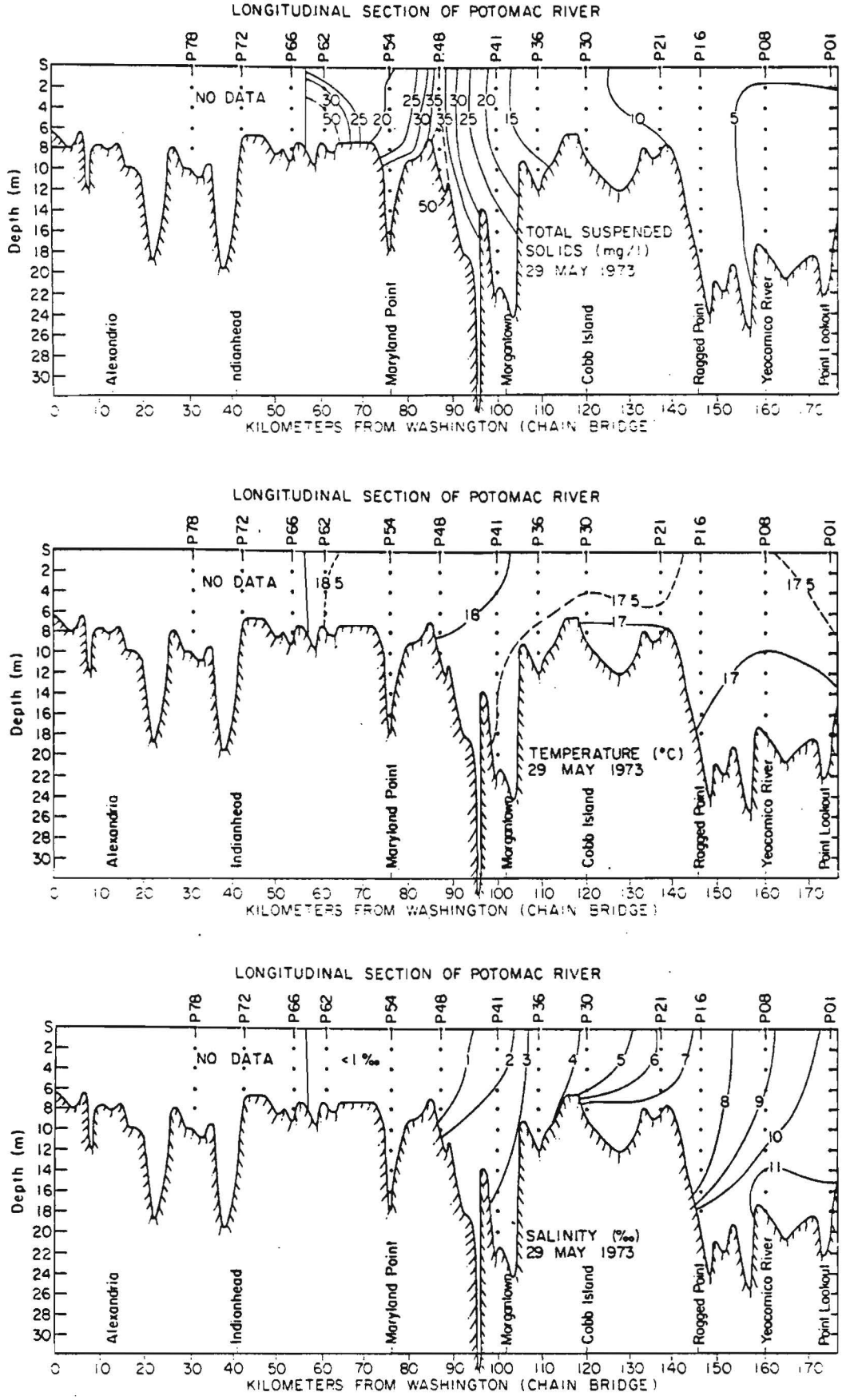

Fig. 28. Distributions of total suspended solids, temperature, and salinity 29 May 1973.

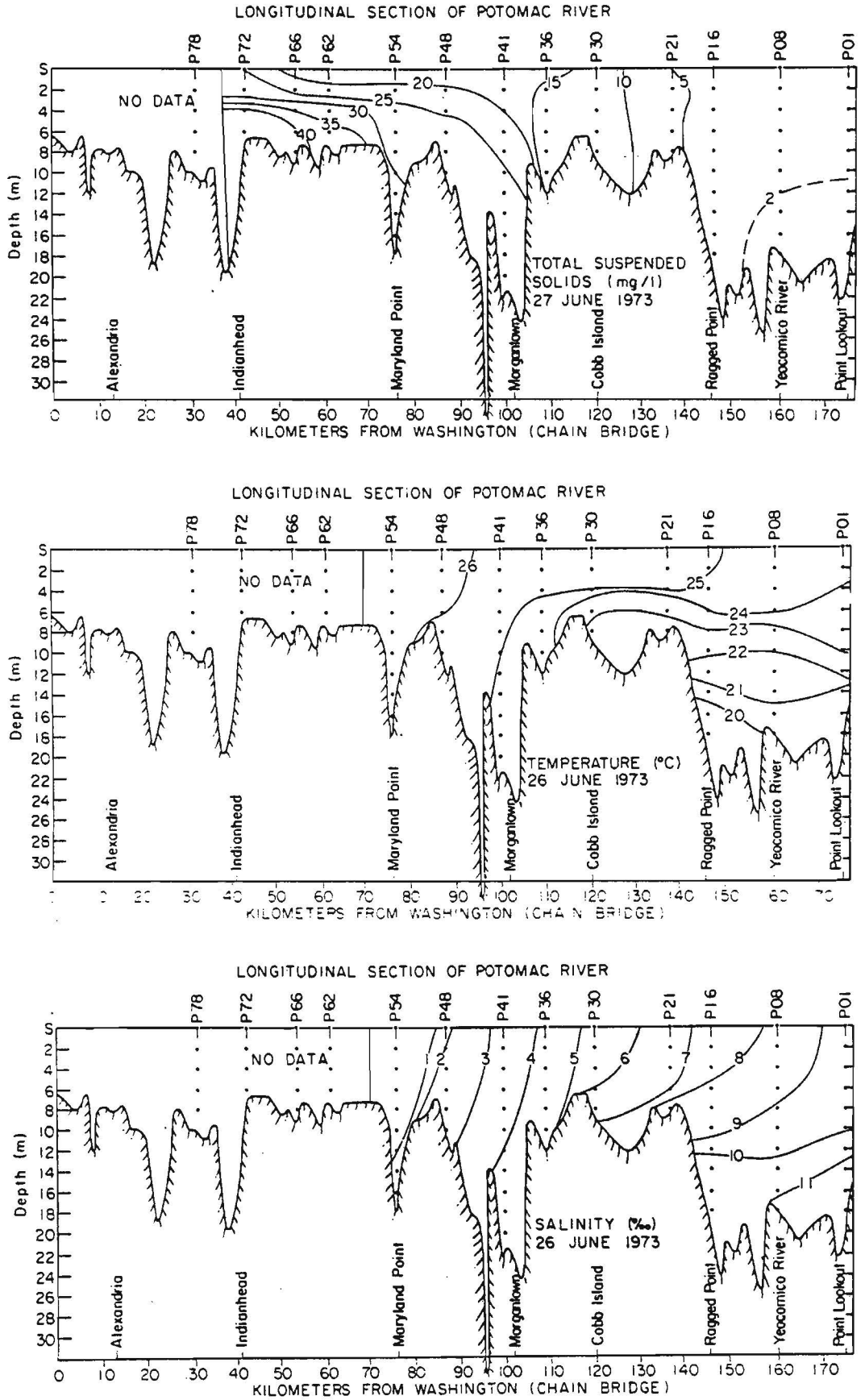

Fig. 29. Distributions of total suspended solids, temperature, and salinity 26-27 Jun. 1973.

APPENDIX A

SUMMARY OF OBSERVATIONS

STATION	PO 1	WEATHER
DEPTH	14.5 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1055	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	2.61	13.19	2.0	
2.0	2.71	13.89	2.3	
4.0	2.64	14.61	1.7	
6.0	2.68	14.79		
8.0	2.70	14.80	2.0	
10.0	2.72	14.82		
12.0	2.74	14.82		
12.7			3.8	
14.5	3.59	16.31		
			15 Jan 0933	

STATION	PO 8	WEATHER
DEPTH	19.0 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1135	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB ORG (%)
0.0	2.15	8.04	1.6	
2.0	2.79	13.16	1.9	
4.0	2.81	13.71	3.0	
6.0	2.84	14.41		
8.0	2.80	14.57	2.2	
10.0	3.10	14.81		
12.0	3.22	14.99	2.2	
14.0	3.44	15.36		
15.8			4.7	
16.0	3.66	16.25		
18.0	3.73	16.36		
19.0	3.73	16.43		
			15 Jan. 0845	

STATION	PO 16	WEATHER
DEPTH	19.5 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1215	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	2.23	9.01	1.7	
2.0	2.70	12.40	3.0	
4.0	2.99	13.76	2.1	
6.0	3.09	14.31		
8.0	3.20	14.49	3.4	
10.0	3.50	14.88		
12.0	3.54	14.99	5.5	
14.0	3.52	14.99		
16.0	3.52	15.05	4.9	
17.0			5.0	
18.0	3.55	15.39		
19.5	3.56	15.39	15 Jan 0800	

STATION	PO 22	WEATHER
DEPTH	8 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1245	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB ORG (%)
0.0	2.10	8.41	3.6	
2.0	2.41	10.87	5.7	
4.0	3.36	14.35	3.4	
6.0	3.37	14.41	11.0	
8.0	3.38	14.42		

STATION	PO 29	WEATHER
DEPTH	10.0 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1330	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	2.18	6.78	5.1	
2.0	2.14	7.72	3.7	
4.0	2.75	11.99	2.2	
6.0	3.55	13.98	2.9	
8.0	3.58	14.26		
8.5			4.4	
10.0	3.58	14.28		

STATION	PO 36	WEATHER
DEPTH	19.5 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1430	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)
0.0	2.35	5.24	13.7	
2.0	2.21	6.44	11.7	
4.0	2.14	7.24	12.0	
6.0	2.30	8.35		
8.0	2.46	9.10	9.1	
10.0	2.81	11.03		
12.0	2.93	11.57	8.2	
14.0	2.96	11.71		
16.0	3.04	12.19	6.9	
18.0	3.08	12.28		
19.5	3.08	12.28		
20.0			8.6	

STATION	PO 40	WEATHER
DEPTH	22.2 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1000	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	2.63	6.84	9.7	
2.0	2.48	7.43	7.2	
4.0	2.54	7.54	6.6	
6.0	2.71	8.16		
8.0	3.29	10.95	6.6	
10.0	3.43	11.76		
12.0	3.49	12.07	6.8	
14.0	3.49	12.15		
16.0	3.50	12.27	8.6	
18.0	3.53	12.36		
20.0	3.55	12.40		
21.2			70.4	
22.2	3.55	12.42		

STATION	PO 46	WEATHER
DEPTH	12.4 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1050	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	2.26	3.16	22.0	
2.0	2.29	5.16	17.8	
4.0	2.40	5.51	18.6	
6.0	2.72	7.57		
8.0	3.09	9.37	29.4	
10.0	3.28	10.60		
11.3			55.93	
12.4	3.28	10.91		

STATION	PO 52	WEATHER
DEPTH	14.4 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1140	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL (‰)	SUSP. SED. (mg/l)	COMB ORG. (%)
0.0	1.96	0.94	32.4	
2.0	1.89	1.05	30.9	
4.0	1.88	1.09	29.8	
6.0	1.93	1.96		
8.0	2.03	2.84	70.9	
10.0	2.12	3.83		
12.0	2.07	3.41	80.0	
13.4			78.6	
14.4	2.45	3.98		

STATION	PO 58	WEATHER
DEPTH	8.8 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1230	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL (‰)	SUSP SED. (mg/l)	COMB. ORG (%)
0.0	1.32	0.10	40.5	
2.0	1.24	0.10	42.1	
4.0	1.24	0.10	66.2	
6.0	1.23	0.11		
7.8			121.8	
8.0	1.26	0.11		

STATION	PO 64	WEATHER
DEPTH	7.7 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1315	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	0.96	0.10	50.1	
2.0	0.87	0.11	59.2	
4.0	0.80	0.11	70.1	
6.0	0.32	0.11	84.2	
6.7			89.7	
7.7	0.39	0.11		

STATION	PO 70	WEATHER
DEPTH	7.8 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1350	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG (%)
0.0	1.70	0.09	42.7	
2.0	1.55	0.09	48.7	
4.0	1.51	0.10	69.9	
6.0	1.51	0.11	79.5	
6.8			83.9	
7.8	1.56	0.11		

STATION	PO 76	WEATHER
DEPTH	8.4 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1445	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	1.94	0.10	30.6	
2.0	1.91	0.11	44.0	
4.0	1.92	0.11	52.6	
6.0	1.92	0.11	67.5	
7.4			102.9	
8.4	2.03	0.112		

STATION	PO 82	WEATHER
DEPTH	17.9 m	WIND DIR.
DATE	14 Jan. '71	WIND SPEED
TIME	1515	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG (%)
0.0	2.49	0.09	18.9	
2.0	2.47	0.09	26.6	
4.0	2.47	0.09	43.0	
6.0	2.45	0.09		
8.0	2.44	0.09	28.6	
10.0	2.41	0.09		
12.0	2.44	0.09	31.2	
14.0	2.45	0.09		
16.0	2.46	0.09		
16.9	2.49	0.09	68.5	
17.9	2.49	0.09		

STATION		WEATHER
DEPTH		WIND DIR.
DATE		WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP (C)	SAL (‰)	SUSP SED (mg/l)	COMB. ORG (%)

STATION		WEATHER
DEPTH		WIND DIR.
DATE		WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP (C)	SAL (‰)	SUSP SED (mg/l)	COMB ORG. (%)

STATION		WEATHER
DEPTH		WIND DIR.
DATE		WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER
DEPTH		WIND DIR.
DATE		WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION	PO 1	WEATHER	00
DEPTH	14.2 m	WIND DIR.	290°
DATE	18 Feb. '71	WIND SPEED	06 k
TIME	0945	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	1.81	11.45	2.9	
2.0	1.63	11.86	3.1	
4.0	1.48	13.42	4.1	
8.0	0.95	15.32	3.0	
12.0	0.87	15.51	3.2	

STATION	PO 8	WEATHER	00
DEPTH	17.7 m	WIND DIR.	
DATE	18 Feb. '71	WIND SPEED	
TIME	0900	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL (‰)	SUSP. SED (mg/l)	COMB. ORG (%)
0.0	1.67	10.10	3.2	
2.0	1.48	11.02	4.0	
4.0	1.57	12.89	4.5	
8.0	1.15	14.44	3.5	
12.0	0.99	19.25	3.9	
16.0	0.96	19.28	5.5	

STATION	PO 16	WEATHER	00
DEPTH	18.3 m	WIND DIR.	
DATE	18 Feb. '71	WIND SPEED	
TIME	0820	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG (%)
0.0	1.66	7.40	4.9	
2.0	1.54	9.39	4.4	
4.0	1.15	12.16	4.4	
8.0	0.93	15.00	4.2	
12.0	0.91	15.21	4.6	
16.0	0.91	15.53	4.8	
18.0	0.90	15.55	4.6	

STATION	PO 22	WEATHER	00
DEPTH	7.9 m	WIND DIR.	
DATE	18 Feb. '71	WIND SPEED	
TIME	0740	SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL (‰)	SUSP. SED (mg/l)	COMB. ORG (%)
0.0	1.72	4.81	6.4	
2.0	1.73	5.78	6.7	
4.0	1.52	7.26	5.5	
6.0	0.87	15.01	8.3	

STATION	PO 29	WEATHER	00
DEPTH	9.8 m	WIND DIR.	195°
DATE	18 Feb. '71	WIND SPEED	04 k
TIME	1810	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)
0.0	2.08	3.55	9.2	
2.0	1.86	4.27	9.2	
4.0	1.34	9.38	4.3	
6.0	1.14	11.58	3.9	
8.0	0.99	12.98	5.0	
			17 Feb. 1810	

STATION	PO 40	WEATHER	00
DEPTH	21.3 m	WIND DIR.	715°
DATE	17 Feb. '71	WIND SPEED	11 k
TIME	0505	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)
0.0	1.93	1.03	15.9	
2.0	1.90	1.33	10.4	
4.0	1.74	1.78	13.3	
8.0	1.15	1.78	5.8	
12.0	1.03	8.15	8.1	
16.0	1.06	8.65	14.1	
20.0	1.09	8.84	13.5	
22.0			15.8	

STATION	PO 46	WEATHER
DEPTH	12.2 m	WIND DIR.
DATE	17 Feb. '71	WIND SPEED
TIME	1155	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
S	2.23	0.81	31.6	
2.0	2.02	0.90	31.4	
4.0	1.53	6.64	11.1	
6.0	1.41	7.61		
8.0	1.38	7.95	16.2	
10.0	1.39	8.30		
12.0	1.40	8.33	20.0	

STATION	PO 52	WEATHER
DEPTH	13.5	WIND DIR.
DATE	17 Feb. '71	WIND SPEED
TIME	1240	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED (mg/l)	COMB. ORG (%)
S	2.21	0.17	37.0	
2.0	2.18	0.21	36.3	
4.0	2.11	0.21	36.0	
6.0	1.93	0.29		
8.0	1.84	0.43	43.1	
10.0	1.82	0.96		
12.0	1.92	0.96	46.7	
13.1	1.92	0.96		

STATION	PO 58	WEATHER
DEPTH	8.0 m	WIND DIR.
DATE	17 Feb. '71	WIND SPEED
TIME	1320	SECCHI DISK

DEPTH (m)	TEMP (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
S	2.38	0.10	61.9	
2.0	2.36	0.10	65.5	
4.0	2.33	0.10	65.0	
6.0	2.34	0.10		
7.5	2.49	0.10	65.8	

STATION	PO 64	WEATHER
DEPTH	7.0 m	WIND DIR.
DATE	17 Feb. '71	WIND SPEED
TIME	1410	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB ORG. (%)
S	0.02	0.08		
2.0	1.99	0.08	137.9	
4.0	1.97	0.08	152.7	
6.0	1.95	0.08	160.6	
6.8	1.99	0.09	199.0	

STATION	PO 76	WEATHER
DEPTH	9.5 m	WIND DIR.
DATE	17 Feb. '71	WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
S	1.96	0.04	192.9	
2.0	1.87	0.05	163.9	
4.0	1.80	0.05	226.3	
6.0	1.80	0.05	246.8	
8.0	1.82	0.05	427.1	
9.0	2.14	0.05		

STATION	PO 82	WEATHER
DEPTH	18.5 m	WIND DIR.
DATE	17 Feb. '71	WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
S	2.43	0.03	200.7	
2.0	2.23	0.03	213.0	
4.0	2.25	0.03	216.1	
6.0	2.26	0.03		
8.0	2.20	0.03	210.8	
10.0	2.05	0.04		
12.0	1.97	0.04	286.2	
14.0	1.95	0.04		
16.0	1.97	0.04	362.7	
18.4	1.97	0.04	324.9	

STATION	PO 1	WEATHER	
DEPTH	14.0 m	WIND DIR.	040°
DATE	3 Mar. '71	WIND SPEED	10 k
TIME	1355	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0	4.57	12.38	2.4	
2.0	4.56	12.38	1.8	
4.0	4.55	12.38	2.1	
8.0	4.49	12.52	2.2	
12.0	2.43	14.91	2.5	

STATION	PO 8	WEATHER	
DEPTH	18.3 m	WIND DIR.	055°
DATE	3 Mar. '71	WIND SPEED	16 k
TIME	1210	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	5.01	10.17	6.4	
2.0	5.01	10.17	6.8	
4.0	4.91	10.68	5.1	
8.0	2.62	13.53	2.9	
12.0	2.37	14.61	2.6	
16.0	2.34	14.66	2.7	

STATION	PO 16	WEATHER	51
DEPTH	18.3 m	WIND DIR.	080°
DATE	3 Mar. '71	WIND SPEED	15 k
TIME	1120	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)
0.0	5.06	7.84	6.5	
2.0	5.02	8.02	7.5	
4.0	3.62	11.55	6.5	
8.0	2.13	14.54	4.3	
12.0	2.17	14.54	3.1	
15.0	2.15	14.63	3.9	
17.0	2.15	14.63	5.3	

STATION	PO 22	WEATHER	61
DEPTH	7.3 m	WIND DIR.	095°
DATE	3 Mar. '71	WIND SPEED	08 k
TIME	1045	SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL. (‰)	SUSP. SED (mg/l)	COMB ORG (%)
0.0	5.23	6.97	5.1	
2.0	5.22	6.98	7.3	
4.0	5.20	7.11	7.4	
6.0	2.49	13.50	6.0	

STATION	PO 29	WEATHER	61
DEPTH	9.8 m	WIND DIR.	080°
DATE	3 Mar. '71	WIND SPEED	12 k
TIME	0955	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	5.29	4.85	10.6	
2.0	5.20	4.89	11.0	
4.0	5.03	6.10	8.1	
6.0	3.88	10.47	5.3	
8.0	2.69	12.44	5.7	

STATION	P 40	WEATHER	62
DEPTH	19.8 m	WIND DIR.	050°
DATE	3 Mar. '71	WIND SPEED	08 k
TIME	0950	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)
0.0	5.22	4.57	16.9	
2.0	5.00	5.49	15.8	
4.0	4.80	6.01	12.1	
8.0	4.19	7.68	10.2	
12.0	3.75	8.86	9.0	
16.0	3.45	9.59	11.5	
19.0	3.47	9.51	11.9	

STATION	PO 46	WEATHER	62
DEPTH	12.2 m	WIND DIR.	055°
DATE	3 Mar. '71	WIND SPEED	12 k
TIME	0800	SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)

STATION	PO 52	WEATHER	62
DEPTH	15.2 m	WIND DIR.	060°
DATE	3 Mar. '71	WIND SPEED	15 k
TIME	0700	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL (‰)	SUSP SED. (mg/l)	COMB ORG (%)
0.0	6.66	0.06	82.5	
2.0			73.1	
4.0	6.68	0.06	81.5	
8.0			80.6	
10.0	6.69	0.07		
12.0			84.6	
14.0	6.70	0.08	91.7	

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG (%)

STATION	PO 01	WEATHER	01
DEPTH	13.7 m	WIND DIR.	300°
DATE	15 Apr. '71	WIND SPEED	04 k
TIME	1210	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	9.87	9.99	5.7	
2.0	9.70	10.00	6.5	
4.0	9.49	10.09	5.5	
6.0				
8.0	9.42	10.17	5.6	
10.0				
12.0	9.50	10.19	7.2	

STATION	PO 8	WEATHER	01
DEPTH	18.9 m	WIND DIR.	290°
DATE	15 Apr. '71	WIND SPEED	10 k
TIME	1130	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED (mg/l)	COMB ORG (%)
0.0	10.51	8.89	6.3	
2.0	10.35	8.94	6.8	
4.0	10.02	9.18	6.0	
6.0				
8.0	9.97	9.41	4.8	
10.0				
12.0	9.82	10.13	7.9	
17.9	10.97	16.51	12.1	

STATION	PO 16	WEATHER	01
DEPTH	18.9 m	WIND DIR.	270°
DATE	15 Apr. '71	WIND SPEED	08 k
TIME	1040	SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL (‰)	SUSP SED (mg/l)	COMB ORG (%)
0.0	10.97	7.67	12.5	
2.0	10.60	8.34	10.2	
4.0	10.33	8.94	7.7	
6.0				
8.0	10.08	9.23	6.2	
10.0				
12.0	9.94	9.35	5.6	
14.0				
16.0	9.59	10.60	20.9	
18.0	9.71	10.02	12.9	

STATION	PO 22	WEATHER	01
DEPTH	6.7 m	WIND DIR.	280°
DATE	15 Apr. '71	WIND SPEED	08 k
TIME	1010	SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL (‰)	SUSP SED (mg/l)	COMB ORG (%)
0.0	10.86	6.23	16.8	
2.0	10.75	6.27	16.6	
4.0	10.64	6.73	16.0	
6.0	10.25	8.99	14.0	

STATION	PO 29	WEATHER	01
DEPTH	9.1 m	WIND DIR	330°
DATE	15 Apr. '71	WIND SPEED	15 k
TIME	0920	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	10.36	6.98	11.1	
2.0	10.34	6.99	11.7	
4.0	10.31	7.08	11.3	
6.0	10.34	7.26	10.2	
8.0	10.34	7.55	12.9	

STATION	PO 40	WEATHER	01
DEPTH	19.8 m	WIND DIR	
DATE	15 Apr. '71	WIND SPEED	
TIME	0810	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB ORG (%)
0.0	10.60	3.19	20.3	
2.0	10.63	3.31	20.7	
4.0	10.56	3.33	19.0	
6.0	10.54	3.42		
8.0	10.61	4.02	23.5	
10.0	10.63	4.16		
12.0	10.61	4.13	22.9	
14.0	10.62	4.15		
16.0	10.71	4.66	34.0	
18.8			37.4	
19.0	10.72	4.74		

STATION	PO 46	WEATHER	01
DEPTH	12.2 m	WIND DIR.	
DATE	15 Apr. '71	WIND SPEED	
TIME	0725	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	10.93	1.64	21.8	
2.0	10.90	1.64	21.2	
4.0	10.99	2.25	21.8	
6.0	10.80	3.90		
8.0	10.75	4.04	77.6	
10.0	10.72	4.09		
11.2			96.5	
12.0	10.69	4.13		

STATION	PO 52	WEATHER	00
DEPTH	12.2 m	WIND DIR.	310°
DATE	14 Apr. '71	WIND SPEED	24 k
TIME	1655	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED (mg/l)	COMB ORG (%)
0.0	12.28	0.10	40.0	
2.0	12.29	0.10	40.9	
4.0	12.30	0.10	42.1	
6.0	12.28	0.10		
8.0	12.28	0.10	49.2	
10.0	12.27	0.10		
11.0	12.26	0.10	53.9	

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED (mg/l)	COMB ORG (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL. (‰)	SUSP SED (mg/l)	COMB ORG (%)

STATION		WEATHER	
DEPTH		WIND DIR	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED (mg/l)	COMB. ORG. (%)

STATION	PO 1	WEATHER	03
DEPTH	13.7 m	WIND DIR.	160°
DATE	28 Apr. '71	WIND SPEE.	15 k
TIME	1135	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	12.56	9.75	3.2	
2.0	12.54	9.78		
4.0	12.53	9.78	3.3	
8.0	12.50	10.13	2.5	
12.7	12.49	12.15	4.4	

STATION	PO 8	WEATHER	03
DEPTH	18.3 m	WIND DIR.	160°
DATE	28 Apr. '71	WIND SPEED	08 k
TIME	1045	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED (mg/l)	COMB ORG (%)
0.0	12.34	9.44	4.4	
2.0	12.33	9.44	4.4	
4.0	12.32	9.45	4.3	
8.0	12.18	10.51	3.5	
12.0	12.04	11.34	5.0	
17.3	11.92	11.93	18.0	

STATION	PO 16	WEATHER	03
DEPTH	18.3 m	WIND DIR.	180°
DATE	28 Apr. '71	WIND SPEED	05 k
TIME	1010	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL (‰)	SUSP SED. (mg/l)	COMB ORG. (%)
0.0	12.32	9.33	9.1	
2.0	12.28	9.33	8.8	
4.0	12.31	9.36	8.3	
8.0	12.32	9.50	5.1	
12.0	12.46	9.65	4.7	
17.3	11.85	11.39	23.1	

STATION	PO 22	WEATHER	03
DEPTH	7.3 m	WIND DIR.	160°
DATE	28 Apr. '71	WIND SPEED	10 k
TIME	0935	SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	12.16	8.49	10.6	
2.0	12.17	8.50	10.8	
4.0	12.20	8.75	9.8	
6.3	11.92	10.40	11.5	

STATION	PO 29	WEATHER	03
DEPTH	9.1 m	WIND DIR.	175°
DATE	28 Apr. '71	WIND SPEED	13 k
TIME	0850	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	12.74	7.01	7.3	
2.0	12.75	7.01	6.9	
4.0	12.77	7.02	7.4	
6.0	12.81	7.06	7.4	
8.0	12.81	7.12	7.6	

STATION	PO 40	WEATHER	03
DEPTH	18.3 m	WIND DIR.	195°
DATE	28 Apr. '71	WIND SPEED	12 k
TIME	0745	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB ORG. (%)
0.0	12.64	5.28	22.4	
2.0	12.61	5.28	22.4	
4.0	12.66	5.28	22.6	
8.0	12.72	5.40	23.9	
12.0	12.76	5.62	30.8	
16.0	12.65	6.04	40.4	
17.3	12.58	6.10	42.5	

STATION	PO 46	WEATHER	03
DEPTH	12.2 m	WIND DIR.	210°
DATE	27 Apr. '71	WIND SPEED	01 k
TIME	1635	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	14.86	1.55	44.6	
2.0	14.58	1.73	48.1	
4.0	13.91	2.46	50.8	
8.0	13.71	3.02	57.6	
11.0	14.03	3.30	148.5	

STATION	PO 52	WEATHER	00
DEPTH	12.2 m	WIND DIR.	100°
DATE	27 Apr. '71	WIND SPEED	1/2 k
TIME	1550	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED (mg/l)	COMB. ORG (%)
0.0	14.58	0.42	55.8	
2.0	14.44	0.42	59.6	
4.0	14.42	0.42	65.1	
8.0	14.43	0.42	91.2	
11.0	14.50	0.42	108.1	

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED.	
TIME		SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB ORG (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION	PO 1	WEATHER	03
DEPTH	14.0 m	WIND DIR.	225°
DATE	6 May '71	WIND SPEED	19 k
TIME	0945	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	14.15	10.31	3.1	
2.0	14.11	10.32	2.1	
4.0	14.02	10.41	3.1	
8.0	13.30	11.98	2.8	
13.0	13.40	12.81	12.4	

STATION	PO 8	WEATHER	03
DEPTH	16.8 m	WIND DIR.	210°
DATE	6 May '71	WIND SPEED	11 k
TIME	0850	SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL. (‰)	SUSP SED (mg/l)	COMB ORG (%)
0.0	14.10	9.88	2.5	
2.0	14.06	9.88	2.4	
4.0	13.95	9.88	2.7	
8.0	13.39	11.17	2.7	
12.0	13.25	11.42	3.0	
15.8	13.32	12.61	6.3	

STATION	PO 16	WEATHER	03
DEPTH	18.3 m	WIND DIR.	200°
DATE	6 May '71	WIND SPEED	09 k
TIME	0810	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	14.38	9.13	2.8	
2.0	14.18	9.16	2.9	
4.0	14.05	9.16	3.3	
8.0	14.05	9.28	3.7	
12.0	13.21	10.99	4.6	
17.3	13.28	12.07	14.8	

STATION	PO 22	WEATHER	03
DEPTH	7.0 m	WIND DIR	190°
DATE	6 May '71	WIND SPEED	10 k
TIME	0735	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL (‰)	SUSP SED. (mg/l)	COMB ORG (%)
0.0	14.25	7.55	3.1	
2.0	14.21	7.55	3.3	
4.0	13.94	8.39	3.8	
6.0	13.45	10.36	7.7	

STATION	PO 29	WEATHER	02
DEPTH	9.1 m	WIND DIR	245°
DATE	6 May '71	WIND SPEED	20 k
TIME	1535	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	14.95	6.40	4.7	
2.0	14.86	6.45	4.8	
4.0	14.00	8.10	4.5	
6.0	13.90	8.52	3.9	
8.0	13.31	10.18	7.4	

STATION	PO 40	WEATHER	01
DEPTH	18.3 m	WIND DIR.	220°
DATE	5 May '71	WIND SPEED	10 k
TIME	1440	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB ORG (%)
0.0	15.08	3.99	14.8	
2.0	14.92	4.11	14.7	
4.0	14.74	4.23	14.7	
8.0	14.08	4.73	14.0	
12.0	13.64	6.50	12.5	
16.0	13.62	6.70	15.6	
17.3	13.78	6.84	16.1	

STATION	PO1	WEATHER	
DEPTH	15.2 m	WIND DIR.	
DATE	29 Aug.'72	WIND SPEED	
TIME	1355	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	26.68	10.00		
2.0	25.92	10.06		
4.0	25.87	10.12		
6.0	25.84	10.15		
8.0	25.23	10.91		
10.0	24.30	12.75		
12.0	23.67	14.21		
14.0	23.42	15.56		
15.0	23.42	15.75		

STATION	PO 8	WEATHER	04
DEPTH	19.5 m	WIND DIR.	330°
DATE	29 Aug. '72	WIND SPEED	03 k
TIME	1430	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB ORG (%)
0.0	28.86	7.76	5.7	
2.0	26.22	8.00	6.0	
4.0	25.89	8.10	5.9	
6.0	24.07	11.63		
8.0	23.64	13.68	2.0	
10.0	23.24	15.11		
12.0	23.25	15.33	2.2	
14.0	23.29	15.62		
15.0			2.5	
16.0	23.29	15.63		
18.0	23.31	15.63		
19.0	23.31	15.63		

STATION	PO 16	WEATHER	04
DEPTH	19.5 m	WIND DIR.	285°
DATE	29 Aug. '72	WIND SPEED	03 k
TIME	1505	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	26.79	6.18		
2.0	26.68	6.25		
4.0	25.29	8.99		
6.0	24.24	12.32		
8.0	23.48	13.81		
10.0	23.22	14.88		
12.0	23.14	15.04		
14.0	23.10	15.26		
16.0	23.08	15.32		
18.0	23.09	15.32		
19.0	23.09	15.32		

STATION	PO 21	WEATHER	04
DEPTH	8.8 m	WIND DIR.	260°
DATE	29 Aug. '72	WIND SPEED	07 k
TIME	1540	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB ORG (%)
0.0	27.01	5.86		
2.0	26.50	6.00		
4.0	25.59	7.58		
6.0	23.77	13.14		
8.5	23.63	13.53		

STATION	PO 30	WEATHER	04
DEPTH	9.8 m	WIND DIR.	345°
DATE	29 Aug. '72	WIND SPEED	01 k
TIME	1615	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	27.62	4.75		
2.0	26.79	4.87		
4.0	25.06	7.04		
6.0	24.62	9.04		
8.0	24.37	10.46		
9.0	24.26	11.22		

STATION	PO 36	WEATHER	04
DEPTH	12.2 m	WIND DIR.	270°
DATE	29 Aug. '72	WIND SPEED	03 k
TIME	1650	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG (%)
0.0	27.36	3.97	11.2	
2.0	27.05	3.97	11.5	
4.0	26.92	3.98	10.4	
6.0	26.32	5.19		
8.0	25.21	7.33	5.5	
10.0	25.10	7.60		
11.5			9.4	
12.0	25.11	7.59		

STATION	PO 46	WEATHER	01
DEPTH	12.2 m	WIND DIR.	240°
DATE	5 May '71	WIND SPEED	17 k
TIME	1400	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)

STATION	PO 52	WEATHER	00
DEPTH	12.2 m	WIND DIR.	225°
DATE	5 May '71	WIND SPEED	13 k
TIME	1315	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	14.94	1.37	29.5	
2.0	14.94	1.39	29.9	
4.0	14.79	1.64	31.7	
6.0	14.64	1.91		
8.0	14.60	1.96	90.3	
10.5			298.2	
11.2	14.51	3.07		

STATION	PO 60	WEATHER	00
DEPTH	6.7 m	WIND DIR.	205°
DATE	5 May '71	WIND SPEED	10 k
TIME	1220	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB ORG (%)
0.0	14.46	0.11	30.1	
2.0	14.37	0.11	30.6	
4.0	13.97	0.11	44.5	
6.0	13.92	0.11	48.8	
7.0	13.83	0.12		

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION	PO 8	WEATHER	04
DEPTH	15.5 m	WIND DIR.	000°
DATE	30 Aug. '72	WIND SPEED	09 k
TIME	1000	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	25.56	8.38	5.7	
2.0	26.42	8.39	6.0	
4.0	25.93	8.59	5.9	
8.0	24.39	13.83	2.0	
12.0	24.38	15.51	2.2	
15.0	24.60	15.65	2.5	

STATION	PO 22	WEATHER	04
DEPTH	7.9 m	WIND DIR.	030°
DATE	30 Aug. '72	WIND SPEED	05 k
TIME	0900	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	26.49	5.72	7.5	
2.0	26.39	5.73	8.1	
4.0	26.14	5.78	7.1	
7.0	24.61	13.44	3.5	

STATION	PO 36	WEATHER	04
DEPTH	12.2 m	WIND DIR.	270°
DATE	30 Aug. '72	WIND SPEED	07 k
TIME	0745	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	26.50	4.08	11.2	
2.0	26.42	4.13	11.5	
4.0	25.96	4.24	10.4	
8.0	25.19	7.78	5.5	
12.0	25.01	8.39	9.4	

STATION	PO 41	WEATHER	04
DEPTH	22.0 m	WIND DIR.	300°
DATE	29 Aug. '72	WIND SPEED	03 k
TIME	1715	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	27.38	3.43		
2.0	27.34	3.60		
4.0	27.44	3.68		
6.0	27.40	4.15		
8.0	26.57	4.74		
10.0	26.55	4.80		
12.0	26.46	4.89		
14.0	26.20	5.44		
16.0	25.91	5.97		
18.0	25.89	6.01		
20.0	25.86	6.11		
21.0	25.87	6.11		

STATION	PO 48	WEATHER	04
DEPTH	12.2 m	WIND DIR.	000°
DATE	30 Aug. '72	WIND SPEED	06 k
TIME	0640	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	26.58	1.77	16.3	
2.0	26.57	1.79	16.5	
4.0	26.73	1.82	19.6	
8.0	26.72	2.22	18.9	
12.0	26.40	2.85	224.6	

STATION	PO 54	WEATHER	04
DEPTH	13.7m	WIND DIR.	315°
DATE	29 Aug. '72	WIND SPEED	02 k
TIME	1815	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	27.52	0.31		
2.0	27.24	0.34		
4.0	27.23	0.40		
6.0	27.22	0.41		
8.0	27.13	0.43		
10.0	27.09	0.46		
12.0	27.09	0.45		
13.5	27.09	0.43		

STATION	PO 1	WEATHER	02
DEPTH	14.6 m	WIND DIR.	040°
DATE	20 Sept. '72	WIND SPEED	12 k
TIME	0620	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION	PO 8	WEATHER	02
DEPTH	16. 8 m	WIND DIR.	040°
DATE	20 Sept. '72	WIND SPEED	14 k
TIME	0715	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION	PO 16	WEATHER	02
DEPTH	19.8 m	WIND DIR.	055°
DATE	20 Sept. '72	WIND SPEED	12 k
TIME	0750	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	23.25	8.11		
2.0	23.31	9.66		
4.0	23.02	12.32		
6.0	23.11	12.93		
8.0	23.17	14.51		
10.0	23.02	17.01		
12.0	23.01	17.19		
14.0	23.00	17.58		
16.0	22.99	17.81		
18.0	22.98	17.93		
19.5	22.96	18.04		

STATION	PO 22	WEATHER	02
DEPTH	8.8 m	WIND DIR.	020°
DATE	20 Sept. '72	WIND SPEED	15 k
TIME	0815	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	23.08	8.31	6.3	
2.0	23.08	8.31	5.2	
4.0	23.54	9.97	4.5	
6.0	23.12	15.67		
7.0			3.0	
8.5	23.07	16.42		

STATION	PO 30	WEATHER	02
DEPTH	9.8	WIND DIR.	040°
DATE	20 Sept. '72	WIND SPEED	10 k
TIME	0855	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	23.34	6.88		
2.0	23.33	6.89		
4.0	23.34	6.90		
6.0	23.50	10.87		
8.0	23.39	12.21		
9.5	23.36	12.33		

STATION	PO 36	WEATHER	02
DEPTH	11.9 m	WIND DIR.	020°
DATE	20 Sept. '72	WIND SPEED	07 k
TIME	0830	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	23.48	6.49	8.3	
2.0	23.48	6.49	8.3	
4.0	23.48	6.49	9.8	
6.0	23.48	6.49		
8.0	23.53	7.90	5.2	
9.5	23.47	10.75		
11.5			24.2	

STATION	PO 41	WEATHER	02
DEPTH	17.4 m	WIND DIR.	020°
DATE	20 Sept. '72	WIND SPEED	04 k
TIME	1000	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	23.59	5.44		
2.0	23.65	5.62		
4.0	23.93	6.85		
6.0	23.87	8.00		
8.0	23.84	8.22		
10.0	23.83	8.39		
12.0	23.81	8.60		
14.0	23.72	9.26		
16.5	23.65	9.78		

STATION	PO 48	WEATHER	02
DEPTH	12.8 m	WIND DIR.	025°
DATE	20 Sept. '72	WIND SPEED	05 k
TIME	1030	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	23.50	3.23	5.9	
2.0	23.52	3.49	6.9	
4.0	23.19	4.76	8.6	
6.0	23.26	4.97		
8.0	23.63	5.68	26.0	
10.0	23.84	6.35		
11.0			67.4	
11.5	23.84	6.87		

STATION	PO 54	WEATHER	02
DEPTH	17.4 m	WIND DIR.	030°
DATE	20 Sept. '72	WIND SPEED	10 k
TIME	1105	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	23.51	1.25		
2.0	23.56	1.31		
4.0	23.60	1.37		
6.0	23.61	1.51		
8.0	23.61	1.54		
10.0	23.61	1.54		
12.0	23.61	1.55		
14.0	23.61	1.55		
16.0	23.60	1.55		
17.0	23.59	1.54		

STATION	PO 59	WEATHER	02
DEPTH	7.3 m	WIND DIR.	010°
DATE	20 Sept. '72	WIND SPEED	10 k
TIME	1135	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB ORG (%)
0.0	23.18	0.31		
2.0	23.20	0.32		
4.0	23.26	0.34		
6.0	23.55	0.66		

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION	PO 1	WEATHER	00
DEPTH	15.2 m	WIND DIR.	050°
DATE	10 Oct. '72	WIND SPEED	06 k
TIME	1050	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	18.62	14.26		
2.0	18.60	14.26		
4.0	18.60	14.27		
6.0	18.56	14.31		
8.0	18.56	14.35		
10.0	18.61	14.38		
12.0	18.79	14.48		
13.0	18.91	14.51		

STATION	PO 8	WEATHER	00
DEPTH	19.8 m	WIND DIR.	050°
DATE	10 Oct. '72	WIND SPEED	05 k
TIME	1120	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	18.74	12.22	4.4	
2.0	18.69	12.24	4.3	
4.0	18.63	12.34	3.2	
6.0	18.64	12.46		
8.0	18.65	12.58	2.3	
10.0	18.67	12.60		
12.0	19.10	13.08	3.7	
14.0	19.52	14.96		
16.0	19.62	15.34	5.0	
18.0	19.69	15.50		
19.4	19.70	15.67	12.4	(19.0)
			11 Oct.	'72

STATION	PO 16	WEATHER	00
DEPTH	19.8 m	WIND DIR.	325°
DATE	10 Oct. '72	WIND SPEED	01 k
TIME	1155	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	18.10	9.84		
2.0	18.37	11.19		
4.0	18.53	11.64		
6.0	18.61	12.25		
8.0	19.11	12.98		
10.0	19.34	13.51		
12.0	19.46	13.89		
14.0	19.49	13.97		
16.0	19.62	14.55		
18.0	19.80	15.39		
19.5	19.79	15.41		

STATION	PO 22	WEATHER	00
DEPTH	8.8 m	WIND DIR.	030°
DATE	10 Oct. '72	WIND SPEED	10 k
TIME	1220	SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	18.08	9.15	7.4	
2.0	17.95	9.16	6.4	
4.0	17.84	9.20	5.4	
6.0	18.76	10.97		
7.0			11.5	
8.5	19.62	12.93		

STATION	PO 30	WEATHER	00
DEPTH	9.8 m	WIND DIR.	315°
DATE	10 Oct. '72	WIND SPEED	03
TIME	1305	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	18.46	6.71		
2.0	17.87	6.92		
4.0	17.82	7.34		
6.0	18.05	8.66		
8.0	17.93	9.56		
9.0	18.17	9.75		

STATION	PO 36	WEATHER	01
DEPTH	17.7 m	WIND DIR.	110°
DATE	10 Oct. '72	WIND SPEED	04
TIME	1605	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	18.05	1.85	12.7	
2.0	18.09	2.17	9.3	
4.0	18.75	3.26	11.8	
6.0	18.74	5.22		
8.0	18.72	5.90	15.5	
10.0	18.70	6.69		
11.0			19.2	
12.0	18.71	7.16		
14.0	18.79	8.07		
16.0	18.79	8.15		
17.0	18.78	8.16		

STATION	PO 41	WEATHER	01
DEPTH	17.7 m	WIND DIR.	110°
DATE	10 Oct. '72	WIND SPEED	04 k
TIME	1605	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	18.05	1.85		
2.0	18.09	2.17		
4.0	18.75	3.26		
6.0	18.72	5.22		
8.0	12.72	5.90		
10.0	18.70	6.68		
12.0	18.71	7.16		
14.0	18.79	8.07		
16.0	18.79	8.15		
17.0	18.78	8.16		

STATION	PO 48	WEATHER	01
DEPTH	12.5 m	WIND DIR.	260°
DATE	10 Oct. '72	WIND SPEED	01 k
TIME	1635	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED (mg/l)	COMB. ORG. (%)
0.0	17.79	0.64	19.5	
2.0	17.73	0.71	22.3	
4.0	17.73	0.75	22.7	
6.0	17.75	1.03		
8.0	18.21	2.58	31.3	
10.0	18.91	5.66	168.9	
11.5	18.90	5.69		

STATION	PO 54	WEATHER	01
DEPTH	16.7 m	WIND DIR.	335°
DATE	10 Oct.'72	WIND SPEED	02k
TIME	1710	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	17.73	0.25		
2.0	17.64	0.25		
4.0	17.63	0.25		
6.0	17.63	0.25		
8.0	17.62	0.25		
10.0	17.62	0.25		
12.0	17.62	0.25		
14.0	17.56	0.26		
16.5	17.49	0.27		

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)

STATION	PO 1	WEATHER	01
DEPTH	15.2 m	WIND DIR.	060°
DATE	19 Nov. '72	WIND SPEED	03 k
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	11.12	14.87		
2.0	11.13	14.87		
4.0	11.13	14.90		
6.0	11.27	15.11		
8.0	11.38	15.20		
10.0	11.44	15.23		
12.0	11.41	15.25		
14.0	11.41	15.30		
15.0	11.47	15.36		

STATION	PO 8	WEATHER	02
DEPTH	19.5 m	WIND DIR.	050°
DATE	19 Nov. '72	WIND SPEED	05 k
TIME	0755	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	10.48	12.33	3.0	
2.0	10.51	12.33	3.1	
4.0	10.49	12.33	2.2	
6.0	10.60	12.34		
8.0	11.38	13.49	2.7	
12.0			3.5	
16.0			5.0	

STATION	PO 16	WEATHER	05
DEPTH	19.5 m	WIND DIR.	050°
DATE	19 Nov. '72	WIND SPEED	03 k
TIME	0835	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB ORG. (%)
0.0	9.59	8.21		
2.0	9.69	8.30		
4.0	11.25	12.50		
6.0	11.72	13.85		
8.0	12.01	14.79		
10.0	11.96	14.80		
12.0	11.72	14.93		
14.0	11.91	15.09		
16.0	12.08	15.17		
18.0	12.59	15.43		
19.0	12.67	15.54		

STATION	PO 22	WEATHER	05
DEPTH	8.5 m	WIND DIR.	070°
DATE	19 Nov. '72	WIND SPEED	05 k
TIME	0905	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	9.32	7.78	4.2	
2.0	9.95	9.18	4.8	
4.0	10.83	11.44	3.2	
6.0	12.44	14.75	15.3	(7 m)
8.0	12.64	15.22		

STATION	PO 30	WEATHER	05
DEPTH	9.7 m	WIND DIR.	070°
DATE	19 Nov. '72	WIND SPEED	07 k
TIME	0955	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	9.78	6.12		
2.0	9.81	6.12		
4.0	10.54	9.52		
6.0	12.19	13.40		
8.0	12.59	13.99		
9.0	12.64	14.33		

STATION	PO 36	WEATHER	02
DEPTH	10.7 m	WIND DIR.	090°
DATE	19 Nov. '72	WIND SPEED	07 k
TIME	1020	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	10.49	6.03	5.0	
2.0	10.64	6.78	5.0	
4.0	10.88	8.53	5.0	
6.0	11.35	9.53		
8.0	11.59	11.44	14.8	
10.0	11.82	12.19		
11.0			400.8	

STATION	PO 41	WEATHER	02
DEPTH	17.3 m	WIND DIR.	110°
DATE	19 Nov. '72	WIND SPEED	03 k
TIME	1055	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	10.41	4.80		
2.0	10.84	6.04		
4.0	11.22	7.30		
6.0	11.43	9.29		
8.0	11.51	9.81		
10.0	11.51	10.01		
12.0	11.58	10.48		
14.0	11.65	10.91		
16.0	11.72	11.36		

STATION	PO 48	WEATHER	05
DEPTH	12.8 m	WIND DIR.	100°
DATE	19 Nov. '72	WIND SPEED	02 k
TIME	1130	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)
0.0	9.56	1.51	19.7	
2.0	10.43	3.66	21.5	
4.0	10.43	3.76	42.1	
6.0	10.75	4.61		
8.0	10.88	5.43	194.5	
10.0	10.97	5.88	171.6	
12.0	11.39	7.70		

STATION	PO 54	WEATHER	05
DEPTH	12.2 m	WIND DIR.	060°
DATE	19 Nov. '72	WIND SPEED	07 k
TIME	1205	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	9.35	0.17		
2.0	9.35	0.17		
4.0	9.35	0.17		
6.0	9.34	0.17		
8.0	9.34	0.17		
10.0	9.33	0.17		
11.5	9.33	0.17		

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION	PO 62	WEATHER	
DEPTH	8.0 m	WIND DIR.	
DATE	24 Jan. '73	WIND SPEED	
TIME	0610	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	3.01	0.10	32.3	
2.0	3.01	0.10	38.8	
4.0	3.01	0.10	39.5	
7.0	3.07	0.10	41.5	

STATION	PO 72	WEATHER	
DEPTH	8.0 m	WIND DIR.	
DATE	24 Jan. '73	WIND SPEED	
TIME	0505	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	3.96	0.14	24.0	
2.0	3.97	0.14	31.6	
4.0	4.01	0.15	40.3	
7.5	4.10	0.16	52.1	

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION	PO 1	WEATHER
DEPTH	12.2 m	WIND DIR.
DATE	24 Jan. '73	WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
S			3.4	
2			3.2	
4			3.6	
8			4.4	
12			4.3	

STATION	PO 9	WEATHER
DEPTH	14.3 m	WIND DIR.
DATE	24 Jan. '73	WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
S			5.3	
2			5.2	
4			5.3	
8			5.4	
12			5.9	
14			6.5	

STATION	PO 21	WEATHER	
DEPTH	8.0 m	WIND DIR.	310°
DATE	24 Jan. '73	WIND SPEED	08 k
TIME	1005	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	4.71	7.89	7.6	
2.0	4.72	7.92	7.5	
4.0	4.82	7.97	7.4	
7.0	4.77	9.72	8.5	

STATION	PO 36	WEATHER
DEPTH	11.5 m	WIND DIR.
DATE	24 Jan. '73	WIND SPEED
TIME	0850	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	4.10	4.89	13.8	
2.0	4.17	4.90	13.6	
4.0	4.34	5.00	15.3	
8.0	4.29	5.94	22.8	
11.0	4.43	5.94	23.2	

STATION	PO 48	WEATHER
DEPTH	11.0 m	WIND DIR.
DATE	24 Jan. '73	WIND SPEED
TIME	0755	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	3.94	2.49	31.4	
2.0	4.00	2.54	33.0	
4.0	4.06	2.64	36.3	
8.0	4.16	3.03	108.1	
10.0	4.20	3.05	148.9	

STATION	PO 54	WEATHER
DEPTH	14.8 m	WIND DIR.
DATE	24 Jan. '73	WIND SPEED
TIME	0705	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	3.51	0.07	63.7	
2.0	3.51	0.08	65.7	
4.0	3.49	0.08	60.6	
8.0	3.53	0.08	64.2	
12.0	3.55	0.08	82.9	
14.0	3.59	0.08	116.3	

STATION	PO 1	WEATHER	00
DEPTH	14.2 m	WIND DIR.	
DATE	28 Feb. '73	WIND SPEED	
TIME	1920	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	3.58	10.56	3.3	
2.0	3.45	10.86	4.2	
4.0	3.42	10.88	4.2	
8.0	3.33	10.92	4.5	
12.0	3.10	10.99	4.1	
14.0	3.10	10.30	4.8	

STATION	PO 9	WEATHER	00
DEPTH	18.9 m	WIND DIR.	
DATE	28 Feb. 73	WIND SPEED	
TIME	1830	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	3.97	9.59	2.6	
2.0	3.79	9.63	2.2	
4.0	3.20	10.52	4.0	
8.0	3.04	10.93	3.4	
12.0	2.99	12.25	4.2	
16.0	2.98	14.19	5.4	
18.0	3.10	15.03	4.4	

STATION	PO 21	WEATHER	00
DEPTH	8.5 m	WIND DIR.	
DATE	28 Feb. '73	WIND SPEED	
TIME	1725	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	4.42	8.01	6.5	
2.0	4.21	8.02	7.2	
4.0	3.13	9.22	7.8	
8.0	3.21	11.45	5.9	

STATION	PO 36	WEATHER	00
DEPTH	12.2 m	WIND DIR.	
DATE	28 Feb. '73	WIND SPEED	
TIME	1610	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	4.73	3.06	12.7	
2.0	4.43	3.06	10.0	
4.0	3.53	5.19	4.0	
8.0	3.45	7.72	5.8	
10.0	3.44	9.53	6.1	

STATION	PO 48	WEATHER	00
DEPTH	12.2 m	WIND DIR.	
DATE	28 Feb. '73	WIND SPEED	
TIME	1500	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	3.99	2.72	14.7	
2.0	3.84	3.21	10.1	
4.0	3.25	5.77	7.9	
8.0	3.19	7.61	13.8	
11.0	3.33	7.65	17.3	

STATION	PO 54	WEATHER	00
DEPTH	11.5 m	WIND DIR.	
DATE	28 Feb. '73	WIND SPEED	
TIME	1405	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	3.61	1.16	18.6	
2.0	3.54	1.22	19.2	
4.0	3.46	1.33	19.2	
8.0	3.55	2.16	26.7	
12.0	3.41	3.50	32.5	

STATION	PO 8	WEATHER	01
DEPTH	16.2 m	WIND DIR.	000°
DATE	13 Dec. '72	WIND SPEED	02k
TIME	1050	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	8.54	9.48	4.8	
2.0	8.44	9.59	4.7	
4.0	8.42	9.91	4.1	
8.0	8.52	13.39	2.3	
12.0	8.64	13.68	3.3	
15.0	8.96	14.12	3.4	

STATION	PO 22	WEATHER	01
DEPTH	8.2 m	WIND DIR.	220°
DATE	13 Dec. '72	WIND SPEED	18k
TIME	0950	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0			6.9	
2.0	8.04	5.25	6.5	
4.0	8.29	6.76	6.2	
7.2	9.35	13.64	18.7	

STATION	PO 36	WEATHER	01
DEPTH	12.8 m	WIND DIR.	250°
DATE	13 Dec. '72	WIND SPEED	18k
TIME	0830	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	7.80	4.51	11.8	
2.0	7.81	4.56	16.8	
4.0	8.01	5.82	8.0	
8.0	8.67	10.56	19.4	
11.0	8.77	11.20	17.2	

STATION	PO 48	WEATHER	02
DEPTH	11.6 m	WIND DIR.	210°
DATE	13 Dec. '72	WIND SPEED	15k
TIME	0730	SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	7.17	1.42	53.3	
2.0	7.16	1.42	51.2	
4.0	7.30	1.50	41.6	
8.0	8.32	8.36	96.0	
10.0	8.41	8.61		
11.0			19.9	

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)

STATION	PO 62	WEATHER	00
DEPTH	8.5 m	WIND DIR.	
DATE	28 Feb. '73	WIND SPEED	
TIME	1305	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	3.73	0.08	28.7	
2.0	3.76	0.08	30.5	
4.0	3.75	0.08	30.3	
7.5	3.71	0.08	35.0	

STATION	PO 72	WEATHER	00
DEPTH	8.8 m	WIND DIR.	
DATE	28 Feb. '73	WIND SPEED	
TIME	1200	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	3.54	0.14	17.4	
2.0	3.54	0.14	19.8	
4.0	3.55	0.14	18.8	
8.0	3.70	0.12	40.6	

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION	PO 72	WEATHER
DEPTH	9.7 m	WIND DIR.
DATE	27 Mar. '73	WIND SPEED
TIME	1530	SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	10.42	0.13	21.2	
2.0	10.33	0.13	23.1	
4.0	10.24	0.13	23.3	
6.0	10.23	0.13		
8.0	10.45	0.14	35.2	

STATION		WEATHER
DEPTH		WIND DIR.
DATE		WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER
DEPTH		WIND DIR.
DATE		WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB ORG. (%)

STATION		WEATHER
DEPTH		WIND DIR.
DATE		WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER
DEPTH		WIND DIR.
DATE		WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER
DEPTH		WIND DIR.
DATE		WIND SPEED
TIME		SECCHI DISK

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)

STATION	PO 1	WEATHER	
DEPTH	17.4 m	WIND DIR.	180°
DATE	28 Mar. '73	WIND SPEED	
TIME	1451	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	8.37	12.48	6.7	
2.0	8.05	12.48	3.7	
4.0	7.81	12.50	3.9	
8.0	7.47	12.82	3.5	
12.0	7.59	12.85	4.2	
16.0	7.66	12.36	6.2	

STATION	PO 21	WEATHER	
DEPTH	9.7 m	WIND DIR.	
DATE	28 Mar. '73	WIND SPEED	
TIME	1325	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	9.26	7.30	7.8	
2.0	8.97	7.30	8.1	
4.0	7.60	11.76	6.3	
8.0	7.60	12.54	10.3	

STATION	PO 36	WEATHER	
DEPTH	12.8 m	WIND DIR.	
DATE	28 Mar. '73	WIND SPEED	
TIME	1210	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	9.62	5.31	12.2	
2.0	9.15	5.34	12.9	
4.0	8.60	5.89	7.4	
8.0	7.39	10.40	11.1	
12.0	7.46	10.91	29.5	

STATION	PO 48	WEATHER	
DEPTH	11.5 m	WIND DIR.	
DATE	28 Mar. '73	WIND SPEED	
TIME	0850	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	9.36	2.82	8.8	
2.0	9.12	3.65	11.9	
4.0	8.62	5.34	2.2	
8.0	7.77	7.99	21.1	
9.0	7.72	8.40		

STATION	PO 54	WEATHER	
DEPTH	18.3 m	WIND DIR.	
DATE	28 Mar. '73	WIND SPEED	
TIME	0800	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	9.22	0.86	8.2	
2.0	9.28	0.86	9.8	
4.0	9.18	1.73	11.2	
8.0	8.57	4.40	18.3	
12.0	8.12	6.39	34.7	
16.0	8.21	6.55	51.4	

STATION	PO 62	WEATHER	
DEPTH	7.3 m	WIND DIR.	
DATE	27 Mar. '73	WIND SPEED	
TIME	1624	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB ORG. (%)
0.0	10.79	0.13		
2.0	10.62	0.13		
4.0	10.56	0.14		
6.0	10.78	0.14		

STATION	PO 1	WEATHER	01
DEPTH	14.4 m	WIND DIR.	300°
DATE	29 May '73	WIND SPEED	30 k
TIME	1856	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	18.91	9.50	4.4	
2.0	18.81	9.50	5.1	
4.0	18.41	9.52	2.3	
8.0	17.71	10.15	1.6	
12.0	17.22	11.29	1.9	
14.0	17.08	11.93	2.3	

STATION	PO 9	WEATHER	01
DEPTH	19.8 m	WIND DIR.	200°
DATE	29 May '73	WIND SPEED	13 k
TIME	1810	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	18.69	8.58	5.1	
2.0	18.62	8.59	4.3	
4.0	18.37	8.59	5.1	
8.0	17.64	9.44	1.7	
12.0	17.24	10.51	1.8	
16.0	16.77	12.74	2.3	
19.0	16.70	13.67	3.7	

STATION	PO 21	WEATHER	02
DEPTH	9.1 m	WIND DIR.	220°
DATE	29 May '73	WIND SPEED	12 k
TIME	1710	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	19.23	6.26		
2.0	19.04	6.27		
4.0	18.13	6.53		
8.0	17.75	8.04		

STATION	PO 36	WEATHER	01
DEPTH	11.8 m	WIND DIR.	
DATE	29 May '73	WIND SPEED	
TIME	1555	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	19.52	2.78		
2.0	19.30	2.82		
4.0	18.63	3.32		
6.0	18.52	3.63		
8.0	18.47	3.70		
11.0	18.18	3.73		

STATION	PO 48	WEATHER	01
DEPTH	11.3 m	WIND DIR.	220°
DATE	29 May '73	WIND SPEED	03 k
TIME	1325	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	18.82	0.47		
2.0	18.50	0.52		
4.0	18.40	0.65		
8.0	18.34	1.01		
11.0	18.31	1.29		

STATION	PO 54	WEATHER	01
DEPTH	12.1 m	WIND DIR.	220°
DATE	29 May '73	WIND SPEED	04 k
TIME	1240	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)
0.0	19.11	0.12		
2.0	18.93	0.12		
4.0	18.87	0.12		
8.0	18.85	0.12		
11.5	18.80	0.12		

STATION	PC 1	WEATHER	05
DEPTH	15.9 m	WIND DIR.	090°
DATE	25 Apr. '73	WIND SPEED	12 k
TIME	1253	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	14.81	10.03	4.9	
2.0	14.73	10.04	5.5	
4.0	14.26	10.27	4.9	
8.0	12.57	11.20	4.5	
12.0	10.54	13.00	7.3	
15.0	10.58	13.24	8.7	

STATION	PO 9	WEATHER	05
DEPTH	19.5 m	WIND DIR.	090°
DATE	25 Apr. '73	WIND SPEED	09 k
TIME	1205	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	15.46	6.79	6.7	
2.0	15.23	6.82	7.6	
4.0	12.72	9.04	8.0	
8.0	11.08	11.50	6.4	
12.0	10.81	12.18	10.0	
16.0	10.48	12.60	17.3	

STATION	PO 21	WEATHER	02
DEPTH	9.1 m	WIND DIR.	090°
DATE	25 Apr. '73	WIND SPEED	09 k
TIME	1100	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)
0.0	15.99	4.23	9.5	
2.0	15.81	4.25	9.0	
4.0	15.10	4.51	10.7	
8.0	10.50	11.49	6.6	

STATION	PO 36	WEATHER	05
DEPTH	11.6 m	WIND DIR.	090°
DATE	25 Apr. '73	WIND SPEED	09 k
TIME	0950	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL (‰)	SUSP. SED. (mg/l)	COMB ORG (%)
0.0	15.40	2.35	7.7	
2.0	15.36	2.35	8.1	
4.0	15.10	2.39	7.6	
8.0	11.70	7.34	12.2	
10.0	11.80	7.47		

STATION	PO 48	WEATHER	05
DEPTH	11.6 m	WIND DIR.	
DATE	25 Apr. '73	WIND SPEED	
TIME	0850	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	15.09	1.26	17.5	
2.0	15.02	1.27	17.6	
4.0	14.82	1.48	19.2	
8.0	14.41	1.90	17.4	
10.0	13.38	4.02	51.8	

STATION	PO 62	WEATHER	
DEPTH	7.3 m	WIND DIR.	
DATE	25 Apr. '73	WIND SPEED	
TIME	1624	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)
0.0	10.79	0.13	19.4	
2.0	10.62	0.13	19.9	
4.0	10.56	0.14	20.1	
6.0	10.78	0.14	21.1	

STATION	PO 1	WEATHER	06
DEPTH	14.7 m	WIND DIR.	120°
DATE	27 June '73	WIND SPEED	09 k
TIME	1535	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	24.46	9.69	3.3	
2.0	24.37	9.69	3.0	
4.0	24.13	9.70	3.0	
8.0	22.97	9.99	2.6	
12.0	21.50	11.72	1.9	
14.0	21.96	13.11	1.9	

STATION	PO 9	WEATHER	06
DEPTH	18.2 m	WIND DIR.	110°
DATE	27 June '73	WIND SPEED	08 k
TIME	1550	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	24.67	9.05	4.8	
2.0	24.70	9.06	4.8	
4.0	24.52	9.10	4.5	
6.0	22.96	9.34	2.6	
12.0	21.24	10.77	2.1	
16.0	20.97	10.99	1.6	

STATION	PO 21	WEATHER	06
DEPTH	9.1 m	WIND DIR.	120°
DATE	27 June '73	WIND SPEED	08 k
TIME	1340	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	25.19	7.33	5.0	
2.0	25.31	7.38	5.5	
4.0	24.92	7.38	5.0	
8.0	23.68	8.07	14.7	

STATION	PO 36	WEATHER	00
DEPTH	12.8 m	WIND DIR.	
DATE	27 June '73	WIND SPEED	
TIME	1215	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	26.27	4.21	18.1	
2.0	26.15	4.22	14.5	
4.0	25.62	4.24	13.4	
8.0	25.32	4.37	11.4	
12.0	24.70	5.17	14.7	

STATION	PO 48	WEATHER	00
DEPTH	12.8 m	WIND DIR.	
DATE	27 June '73	WIND SPEED	
TIME	1110	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	27.02	1.95	15.7	
2.0	26.23	2.16	21.5	
4.0	26.12	2.21	24.7	
8.0	25.98	2.40	29.8	
12.0	26.16	2.70	55.7	

STATION	PO 54	WEATHER	04
DEPTH	13.4 m	WIND DIR.	
DATE	27 June '73	WIND SPEED	
TIME	0940	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	27.56	0.16	17.7	
2.0	26.77	0.16	23.8	
4.0	26.78	0.17	26.6	
8.0	26.76	0.18	28.4	
13.0	26.83	0.25	32.1	

STATION	PO 62	WEATHER	01
DEPTH	8.7 m	WIND DIR.	
DATE	27 June '73	WIND SPEED	
TIME	0940	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	27.03	0.12	14.9	
2.0	26.97	0.13	21.8	
4.0	27.01	0.13	32.8	
8.0	27.08	0.14	37.9	

STATION	PO 72	WEATHER	06
DEPTH	8.1 m	WIND DIR.	
DATE	27 June '73	WIND SPEED	
TIME	0840	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)
0.0	26.55	0.14	25.1	
2.0	26.60	0.14	25.9	
4.0	26.59	0.15	40.7	
8.0	26.54	0.15	197.0	

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB ORG (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION	PO 62	WEATHER	01
DEPTH	8.7 m	WIND DIR.	
DATE	27 June '73	WIND SPEED	
TIME	0940	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	27.03	0.12	14.9	
2.0	26.97	0.13	21.8	
4.0	27.01	0.13	32.8	
8.0	27.08	0.14	37.9	

STATION	PO 72	WEATHER	06
DEPTH	8.1 m	WIND DIR.	
DATE	27 June '73	WIND SPEED	
TIME	0840	SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG (%)
0.0	26.55	0.14	25.1	
2.0	26.60	0.14	25.9	
4.0	26.59	0.15	40.7	
8.0	26.54	0.15	197.0	

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL (‰)	SUSP. SED. (mg/l)	COMB ORG (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP (C)	SAL (‰)	SUSP. SED. (mg/l)	COMB ORG (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP. SED. (mg/l)	COMB. ORG. (%)

STATION		WEATHER	
DEPTH		WIND DIR.	
DATE		WIND SPEED	
TIME		SECCHI DISK	

DEPTH (m)	TEMP. (C)	SAL. (‰)	SUSP SED. (mg/l)	COMB. ORG. (%)