

PERDIDO BAY, Florida-Alabama
Preliminary Analytical and Field Data
July 1986 through October 1987

Prepared by

United States Environmental Protection Agency
Region IV - Atlanta and Athens, GA
August, 1988

Perdido Bay Preliminary Analytical and Field Data

Abbreviated Table of Contents

Reconnaissance Data - July, 1986 -----	1.1 - 1.10
Survey #1 - December, 1986 -----	2.1 - 2.38
Survey #2 - April, 1987 -----	3.1 - 3.54
Survey #3 - July, 1987 -----	4.1 - 4.18
Survey #4 - October, 1987 -----	5.1 - 5.273

0121911111

RECONNAISSANCE DATA

JULY ,1986

FIGURE
RECONNAISSANCE
STATION
LOCATIONS
PERDIDO BAY, FL
JULY 1986

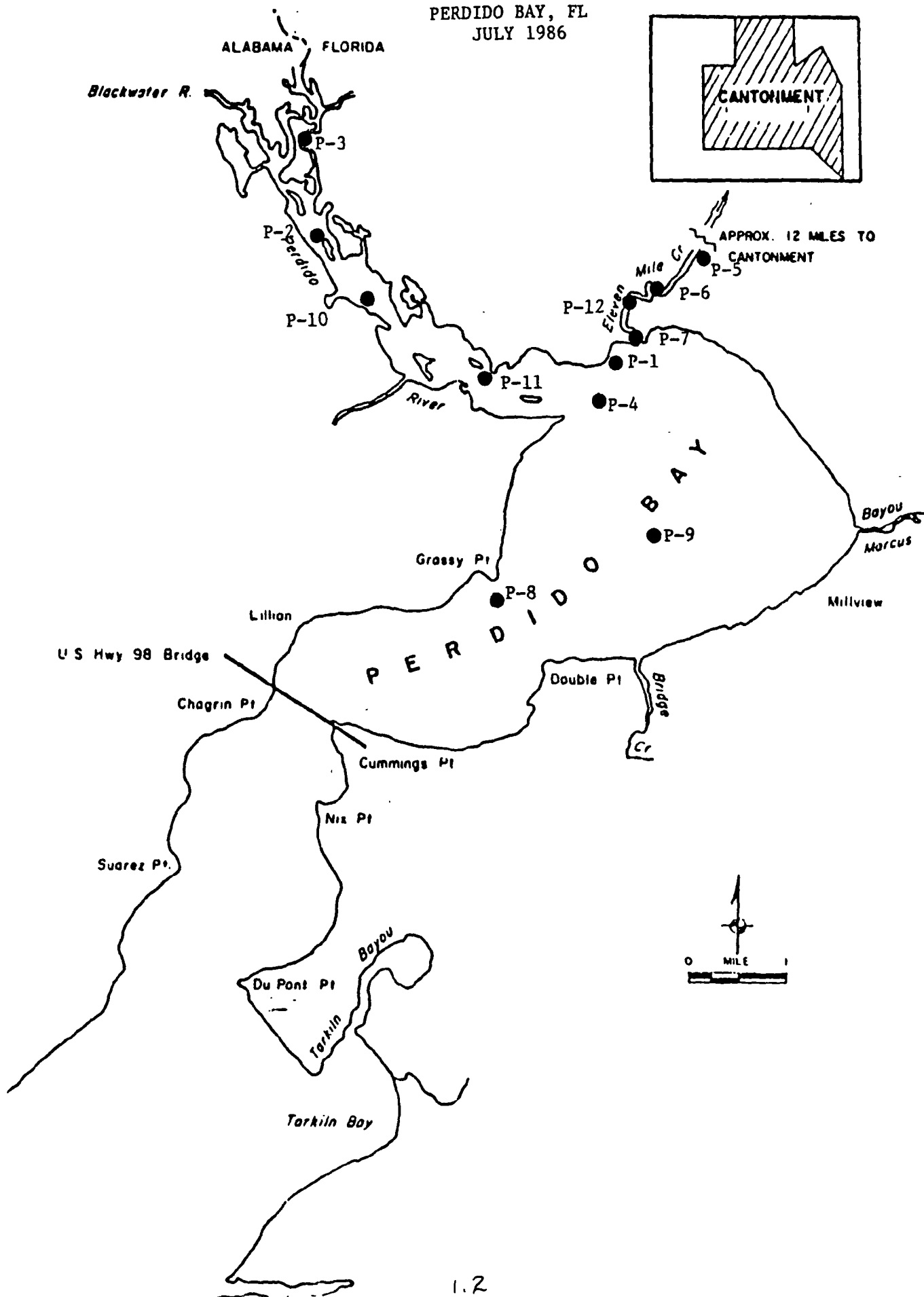
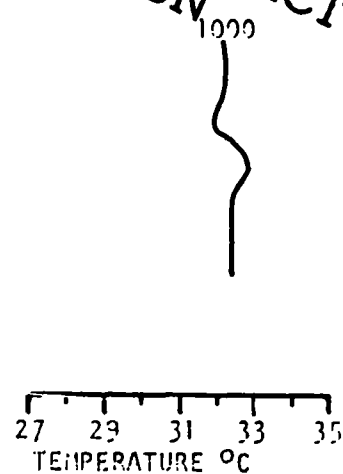
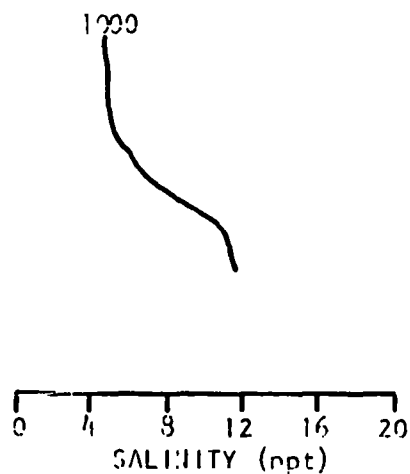
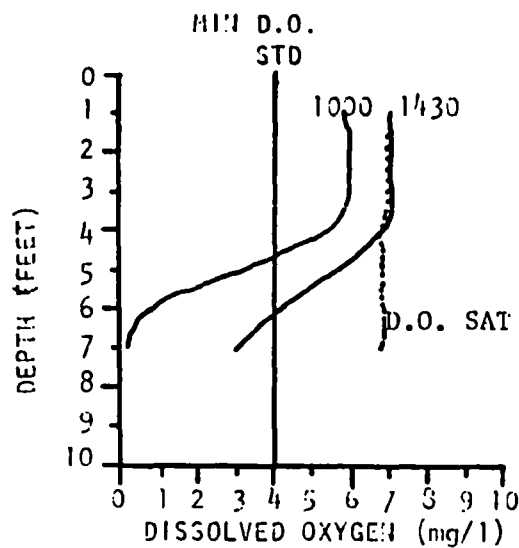


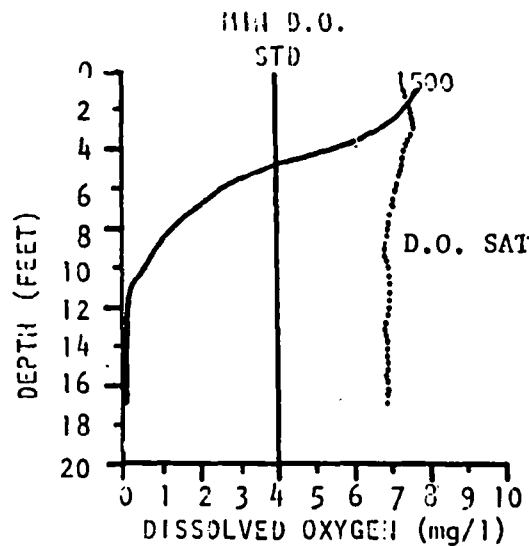
FIGURE
D.S.T. PROFILES
PERDIDO BAY STUDY

STATION P-1 PERDIDO BAY
7/3/86 @ 1430
7/10/86 @ 1000

PRELIMINARY--SUBJECT
TO REVISION



STATION P-2 PERDIDO BAY
7/9/86 @ 1500



STATION P-3 PERDIDO RIVER
7/9/86 @ 1525

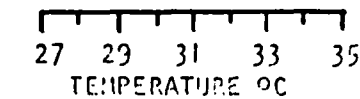
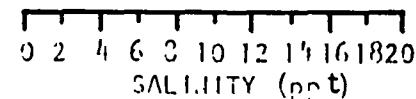
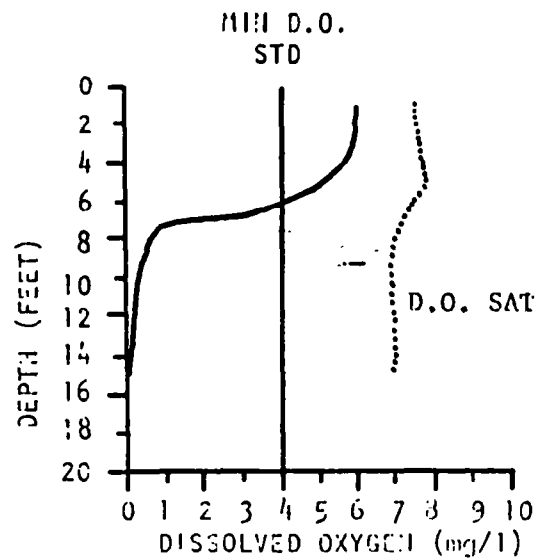
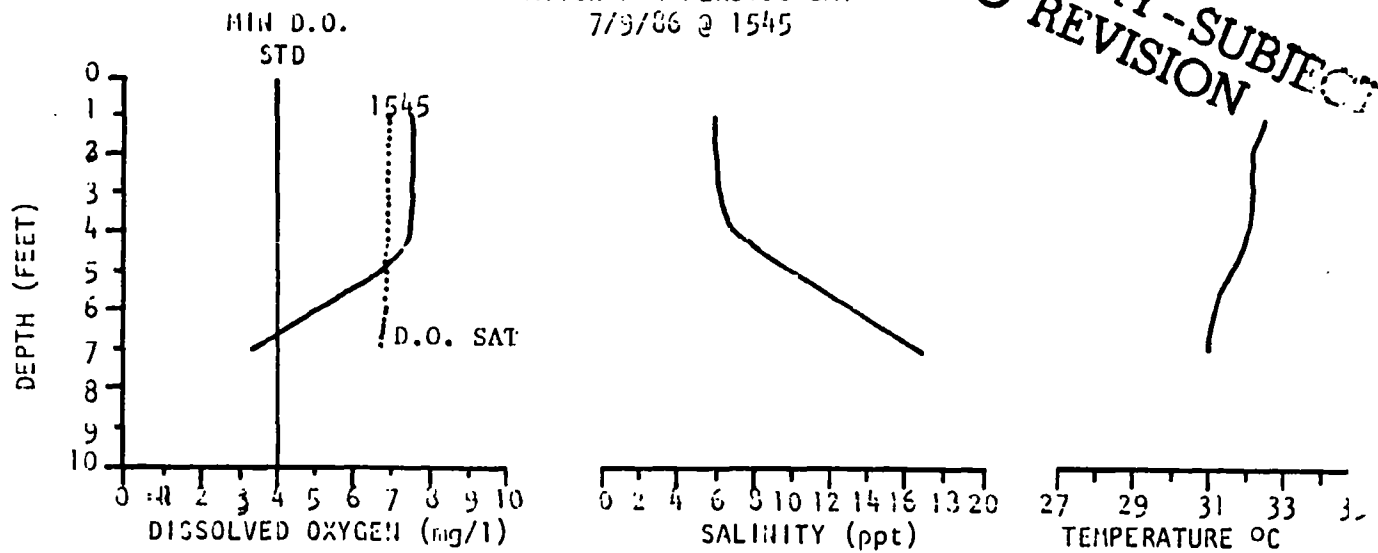


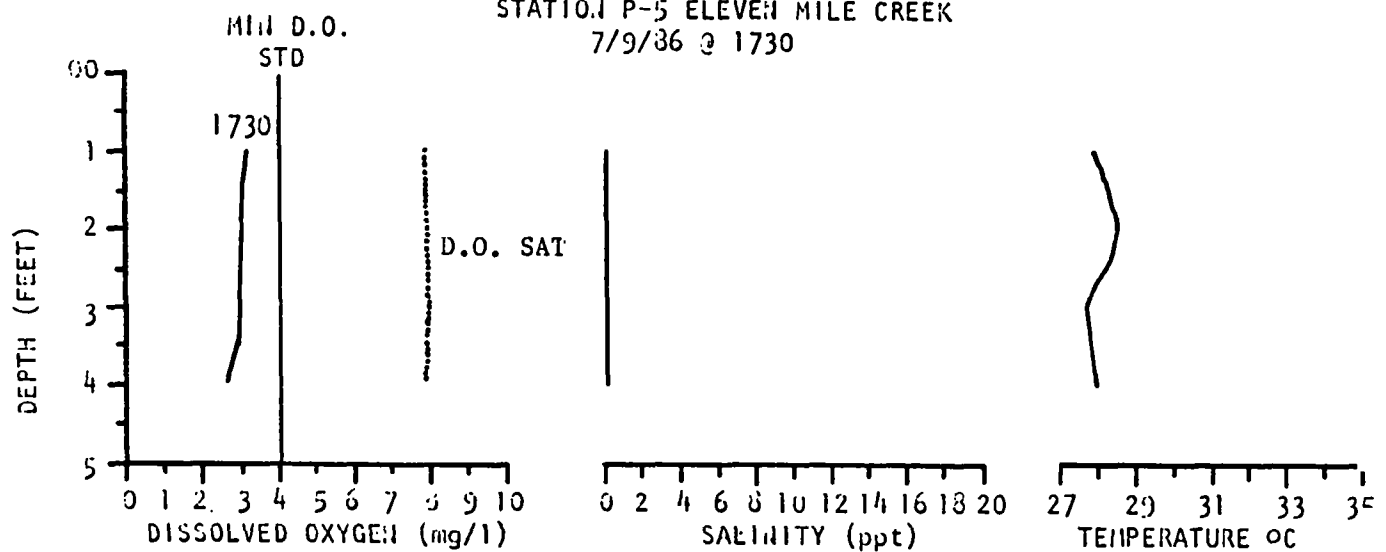
FIGURE
D.S.T. PROFILES
PERDIDO BAY STUDY

PRELIMINARY--SUBJECT
TO REVISION

STATION P-4 PERDIDO BAY
7/9/86 @ 1545



STATION P-5 ELEVEN MILE CREEK
7/9/86 @ 1730



STATION P-6 ELEVEN MILE CREEK
7/9/86 @ 1748

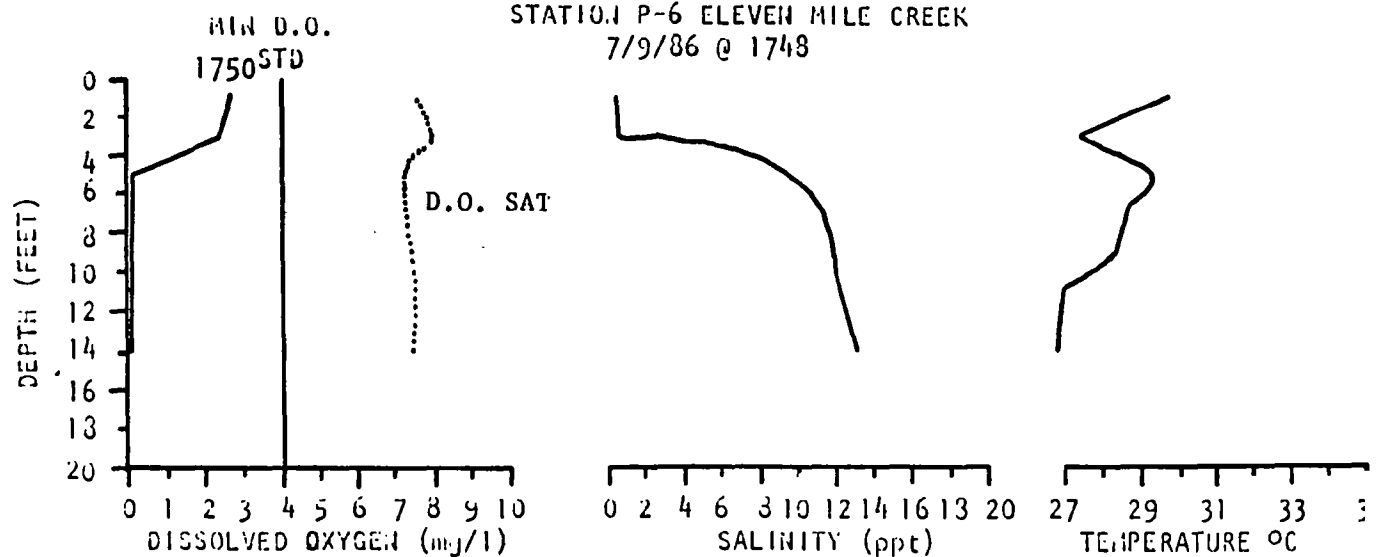
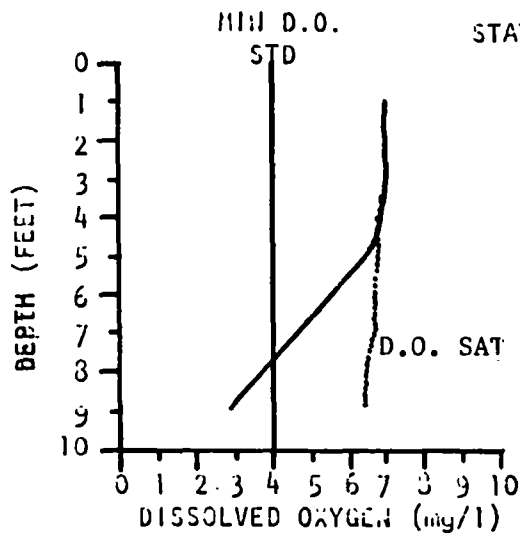
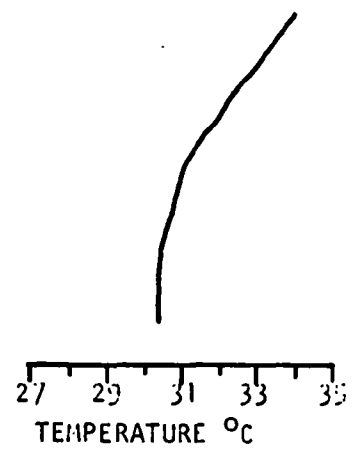
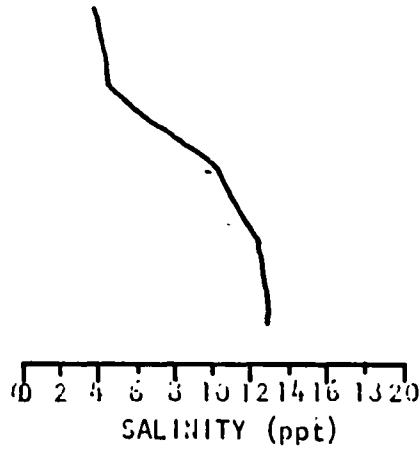
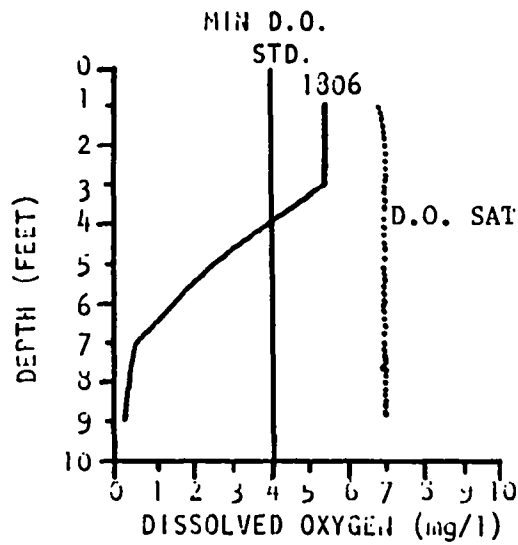


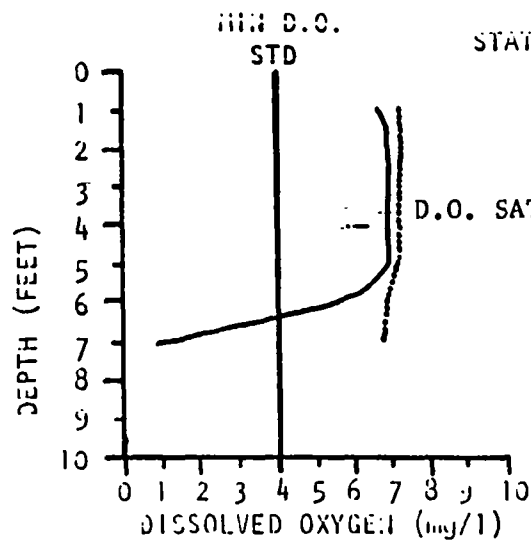
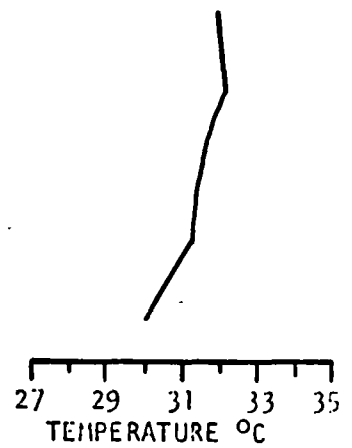
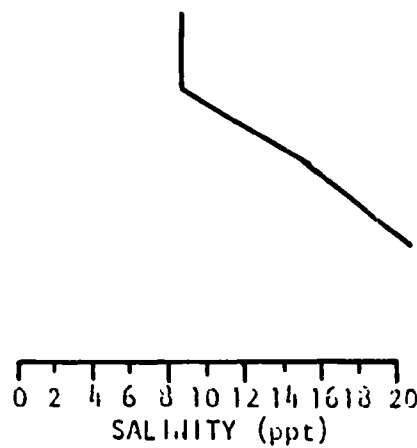
FIGURE
D.S.T. PROFILES
PERDIDO BAY STUDY

STATION P-7 ELEVEN MILE CREEK
7/9/36 @ 1806

PRELIMINARY-SUBJECT
TO REVISION



STATION P-8 PERDIDO BAY
7/9/36 @ 1326



STATION P-9 PERDIDO BAY
7/10/36 @ 0939

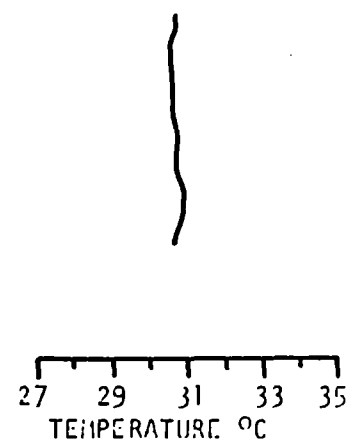
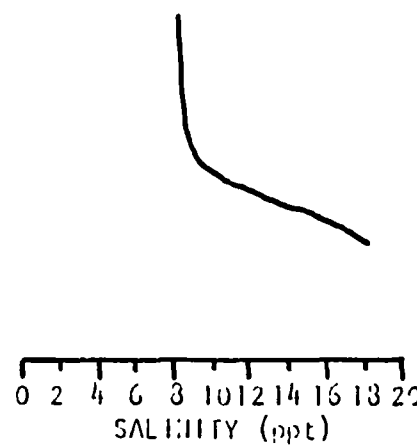


FIGURE
D.S.T. PROFILES
PERDIDO BAY STUDY

STATION P-10 PERDIDO RIVER
7/10/86 @ 1005

PRELIMINARY--SUBJECT
TO REVISION

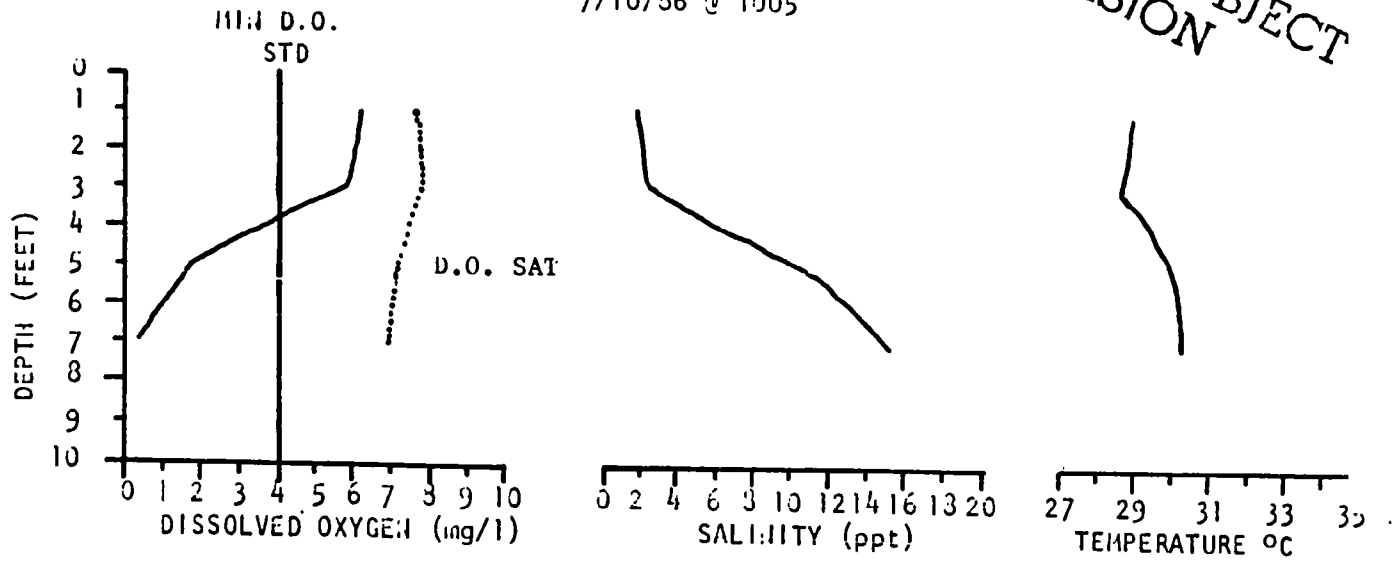


FIGURE
LIGHT TRANSMISSION
PERDIDO BAY STUDY

PRELIMINARY--SUBJECT
TO REVISION

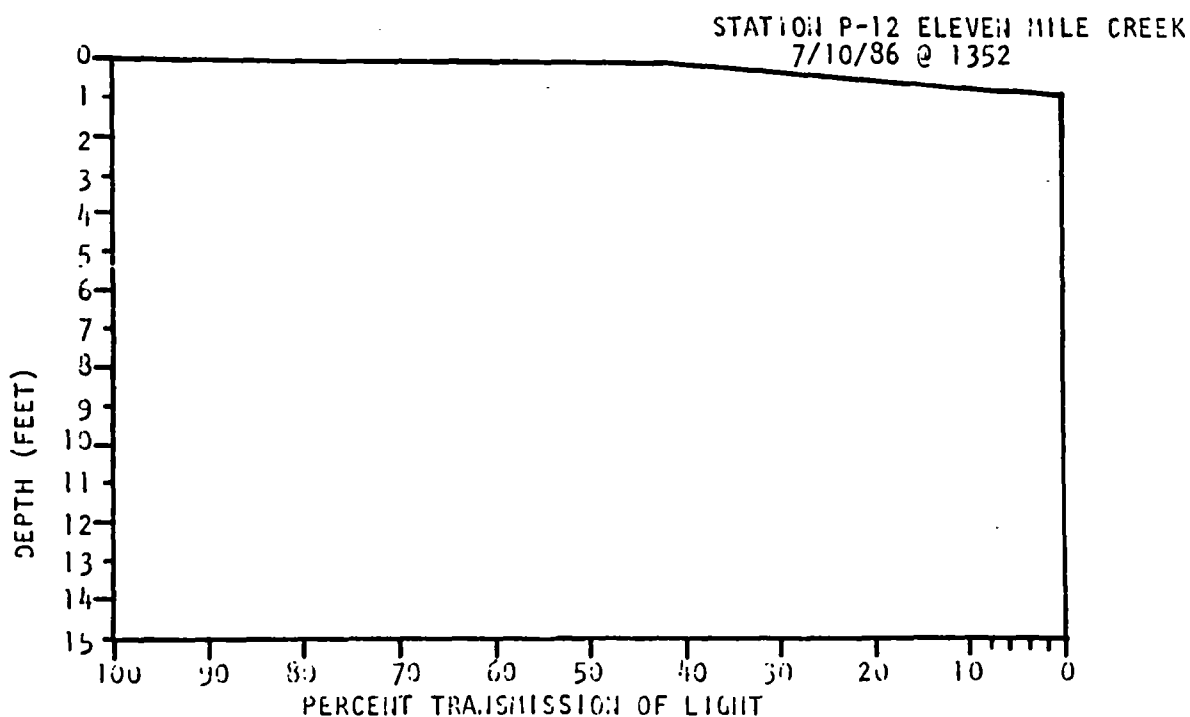
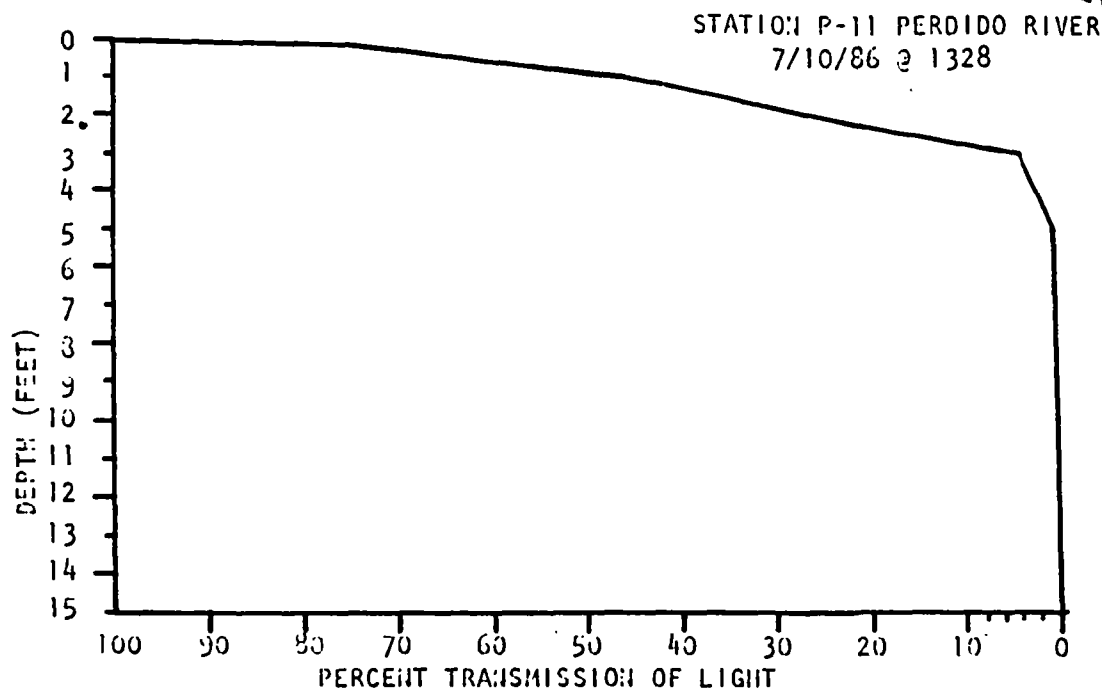


FIGURE
TIME-OF-TRAVEL CURVES
ELEVEN MILE CREEK
JULY, 1986

PRELIMINARY--SUBJECT
TO REVISION

@ 45.4 CFS CREEK FLOW
17.4 MGD (27 CFS) CHAMPION

$$\text{VELOCITY} = \frac{(13.1 - 9.0) \text{ miles}}{(17.5 - 10.0) \text{ hours}} = \frac{4.1 \text{ miles}}{7.5 \text{ hours}} = 0.55 \text{ mph}$$

$$= 0.80 \text{ ft/sec}$$

$$\text{VELOCITY} = \frac{(13.1 - 5.95) \text{ miles}}{(21.75 - 10.0) \text{ hours}} = \frac{7.25 \text{ miles}}{11.75 \text{ hours}} = 0.62 \text{ mph}$$

$$= 0.94 \text{ ft/sec}$$

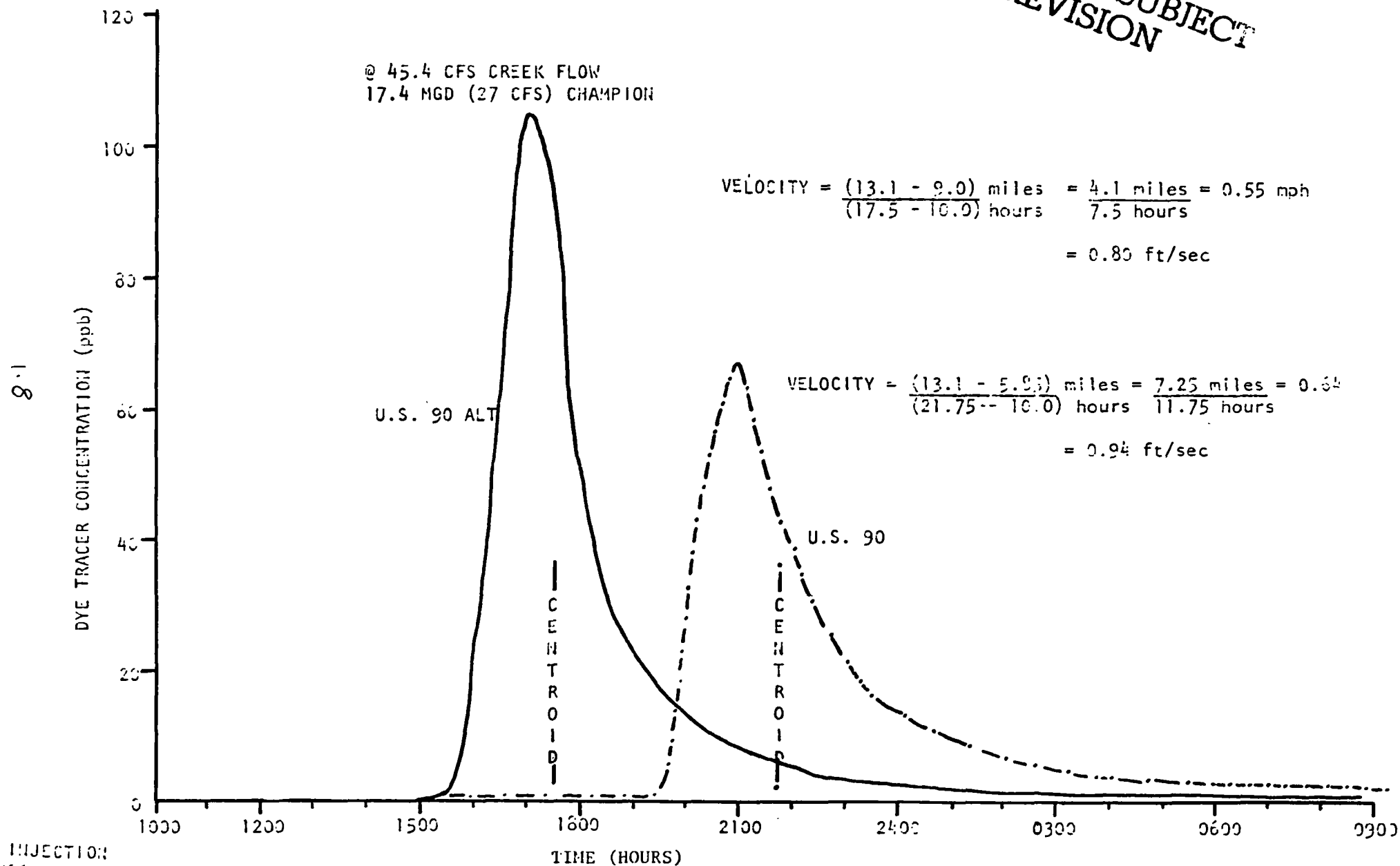


FIGURE
HYDRODYNAMICS
PERDIDO BAY STUDY
JULY, 1986

PRELIMINARY--SUBJECT
TO REVISION

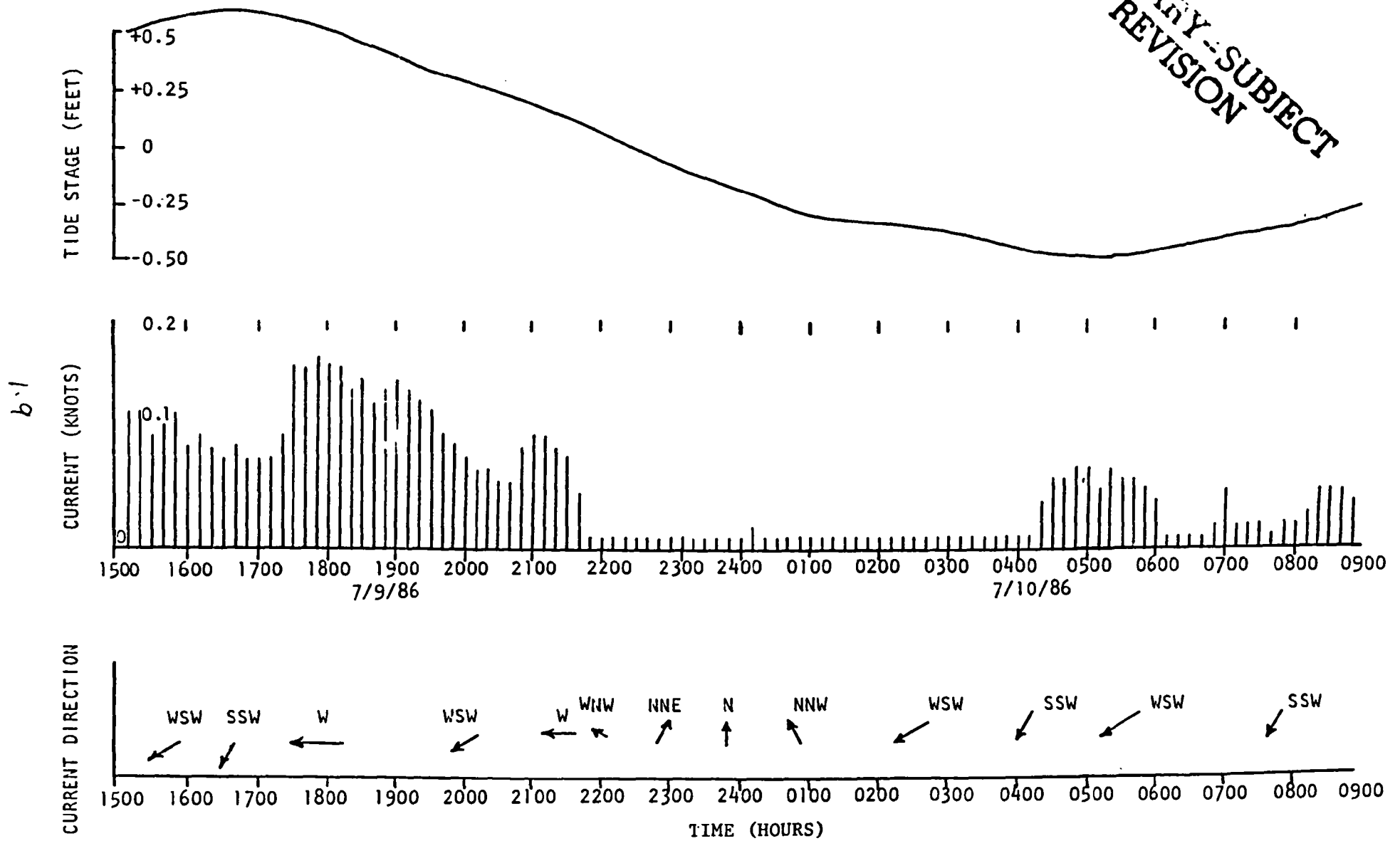
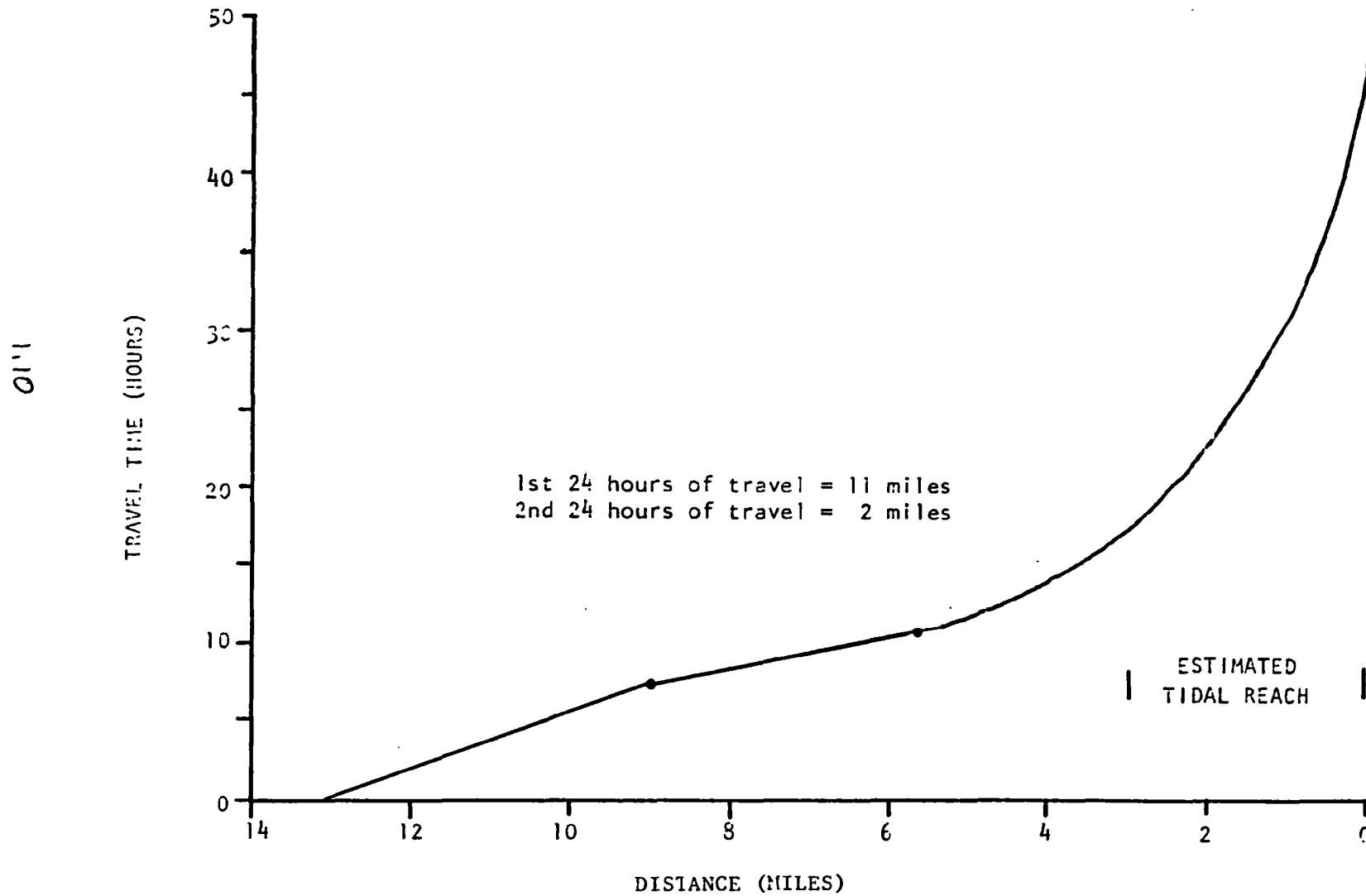


FIGURE
TRAVEL TIME
ELEVEN MILE CREEK
JULY, 1986

PRELIMINARY--SUBJECT
TO REVISION.



SURVEY # 1
DECEMBER 1986

FIGURE
STATION LOCATIONS
PERDIDO BAY

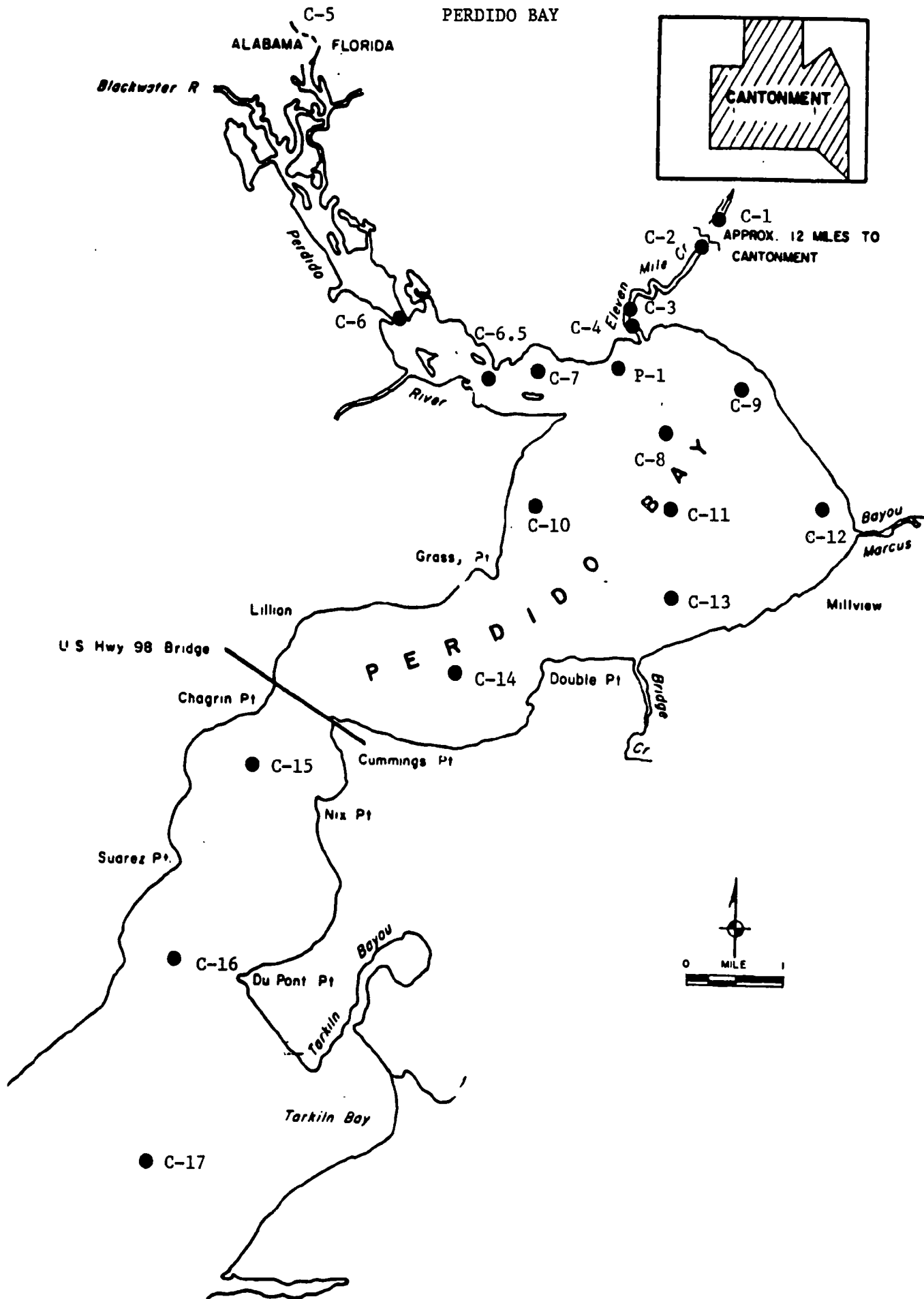


Table
Water Quality Stations
Perdido Bay

PRELIMINARY-SUBJECT
TO REVISION

Station No.	Station Description	Loran	Coordinates
		<u>1 line</u>	<u>3 line</u>
C-1	Eleven Mile Creek at Hwy 97		
C-2	Eleven Mile Creek at Fish Camp	13193.0	47156.0
C-3	Eleven Mile Creek at MP 0.25	13185.3	47154.0
C-4	Eleven Mile Creek at MP 0.22	13184.4	47153.0
C-5	Perdido River at FL Hwy 184 *Biological Monitoring Only*		
C-6	Perdido River	13161.6	47152.4
C-7	Perdido River at mouth	13173.5	47150.3
C-8	Perdido Bay (upper)	13187.1	47148.0
C-9	Perdido Bay (upper)	13196.4	47149.5
C-10	Perdido Bay (upper)	13173.9	47145.2
C-11	Perdido Bay (upper)	13187.4	47145.4
C-12	Perdido Bay (upper)	13200.6	47145.2
C-13	Perdido Bay (upper)	13187.4	47141.8
C-14	Perdido Bay (upper)	13164.7	47138.6
C-15	Perdido Bay (lower)	13141.5	47132.8
C-16	Perdido Bay (lower)	13135.0	47127.2
C-17	Perdido Bay (lower)	13123.5	47116.9

TABLE
METALS IN SEDIMENT
PERDIDO BAY STUDY

PRELIMINARY - SUBJECT
TO REVISION

Stat.	Date	Time	Ba	Cr mg/kg	Cu mg/kg	Ni mg/kg	Pb mg/kg	Sr mg/kg	Ti mg/kg	V mg/kg	Y mg/kg	Zn mg/kg	Al mg/kg	Mn mg/kg	Ca mg/kg	Mg mg/kg	Fe mg/kg	Na mg/kg	Hg mg/kg	Mois- ture %
C-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C-2	12/10/86	1315	<2	1.0	<1	<2	<3	<1	7.6	<1	<1	4.7	490	<2.5	<100	<20	170	<100	<0.05	21
C-3	12/10/86	1420	4.5	6.8	3.2	<2	4.0	5.1	44	5.0	1.3	11	2400	10	220	310	1800	1000	0.15	35
C-4	12/10/86	1530	57	73	32	15	34	76	99	51	14	140	27000	140	3500	5200	21000	24000	<0.05	85
C-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C-6	12/11/86	1030	5.2	6.1	2.8	<2	7.2	19	24	13	3.8	13	4900	19	1200	1700	6500	7900	0.3	45
C-7	12/10/86	1230	26	43	14	11	32	58	84	56	17	92	31000	90	3200	6600	31000	23000	<0.05	81
C-8	12/10/86	0915	2.5	3.8	1.0	<2	4.1	4.4	74	4.3	1.6	5.2	2000	9.5	240	510	2500	1800	0.35	27
C-9	12/10/86	1000	6.8	12.0	4.0	3.0	8.1	13	41	14	5.0	18	7100	26	740	1800	9200	3600	<0.05	43
C-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C-11	12/10/86	1050	13	25	7.6	6.8	20	29	42	28	9.4	42	17000	58	2000	3700	18000	9700	0.3	58
C-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C-13	12/10/86	1137	<2	<1	<1	<2	<3	<1	13	2.4	<1	2.8	460	<2.5	<100	89	530	300	<0.05	22
C-14	---	1130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C-15	12/11/86	1130	26	58	16	16	42	50	51	65	20	87	38000	380	3400	11000	40000	25000	0.35	80
C-16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C-17	12/11/86	1300	25	43	14	12	18	130	77	42	13	62	22000	410	20000	9000	26000	24000	<0.05	73
C-18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
C-19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

PRELIMINARY--SUBJECT
TO REVISION

FIGURE
CURRENT AND DYE TRACER
CIRCULATION PATTERN
IN PERDIDO BAY
DECEMBER, 86

ELAPSED TIME SINCE DYE
INJECTION 3 HOURS

*DYE CONCENTRATION
ISOPLETHS IN PPB

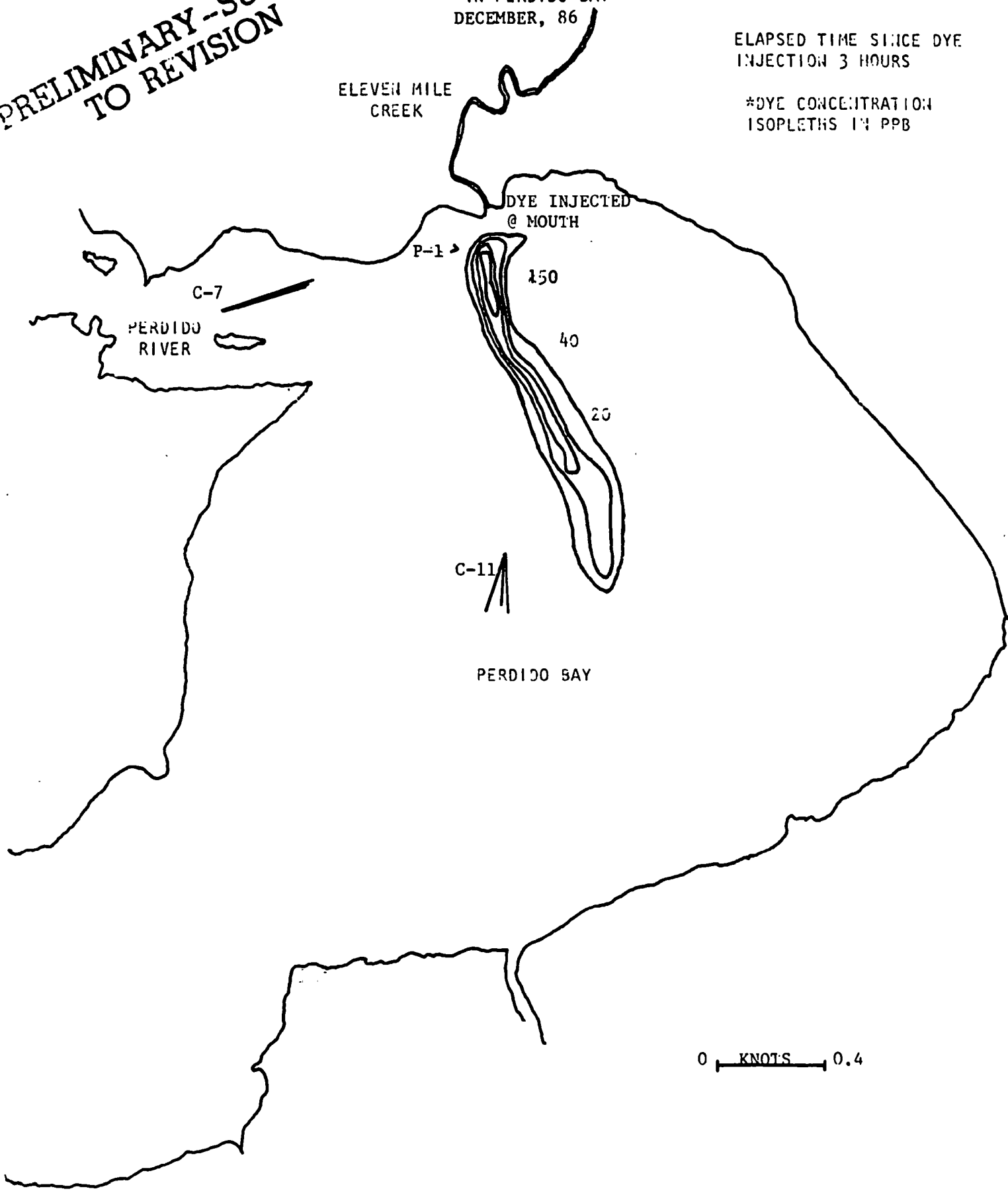


Table
Particle Size of Sediments
Perdido Bay Study
Inorganic Component Subtended by Organic Fraction
(All as % total dry weight)

PRELIMINARY--SUL-ES
TO REVISION

Station	Medium Gravel	Fine Gravel	Coarse Sand	Medium Sand	Fine Sand	Silt	Clay	Totals
C-1	5.4	30.2	21.9	40.4	0.9	0.1	0.004	98.9
	0.2	0.6	0.02	0.04	0.002	0.009	0.002	0.9
C-2	---	.003	0.72	98.76	0.10	0.09	0	99.67
	---	0.19	0.03	0.17	0.004	0.02	0.08	0.49
C-3	.06	.23	5.3	78.6	5.3	6.1	0.3	95.9
	.24	1.1	0.7	0.3	0.2	1.3	0.2	4.0
C-4	---	0	0.7	11.0	11.6	48.6	4.9	76.8
	---	0.2	1.3	4.1	2.5	12.3	2.6	23.0
C-5	---	0.6	21.4	77.6	0.2	.006	0	99.8
	---	0.001	0.01	0.05	0	.001	0.01	0.07
C-6	0.4	0.3	2.6	79.7	6.7	5.8	0.8	96.3
	1.1	0.8	0.2	0.3	0.2	1.0	0.1	3.7
C-7	0.2	0.9	1.1	51.4	9.6	25.6	3.2	92.0
	0.1	0.2	0.2	2.0	1.4	3.8	0.1	7.8
C-8	0.09	0.06	4.5	72.2	14.8	6.6	0.6	98.8
	0.001	0.03	0.05	0.2	0.2	0.6	0.007	1.1
C-9	---	0.5	14.2	57.9	6.7	16.1	1.3	96.7
	---	0.002	0.02	0.5	0.8	1.1	0.2	2.6
C-10	*	*	*	*	*	*	*	*
C-11	---	0.02	4.2	55.7	21.9	11.3	1.2	94.3
	---	0.01	0.02	0.9	2.6	1.6	0.3	5.4
C-12	*	*	*	*	*	*	*	*
C-13	.02	0.8	5.3	92.3	0.4	0.3	.07	99.2
	.02	.02	.01	0.1	.02	.05	0.2	0.4
C-14	*	*	*	*	*	*	*	*
C-15	---	---	0.9	6.6	14.7	58.7	4.7	85.6
	---	---	.04	0.4	2.5	10.6	0.9	14.4
C-16	*	*	*	*	*	*	*	*
C-17	---	---	1.2	16.8	28.0	39.3	4.0	89.3
	---	---	0.1	1.4	2.4	5.9	1.0	10.8
C-18	*	*	*	*	*	*	*	*
C-19	*	*	*	*	*	*	*	*

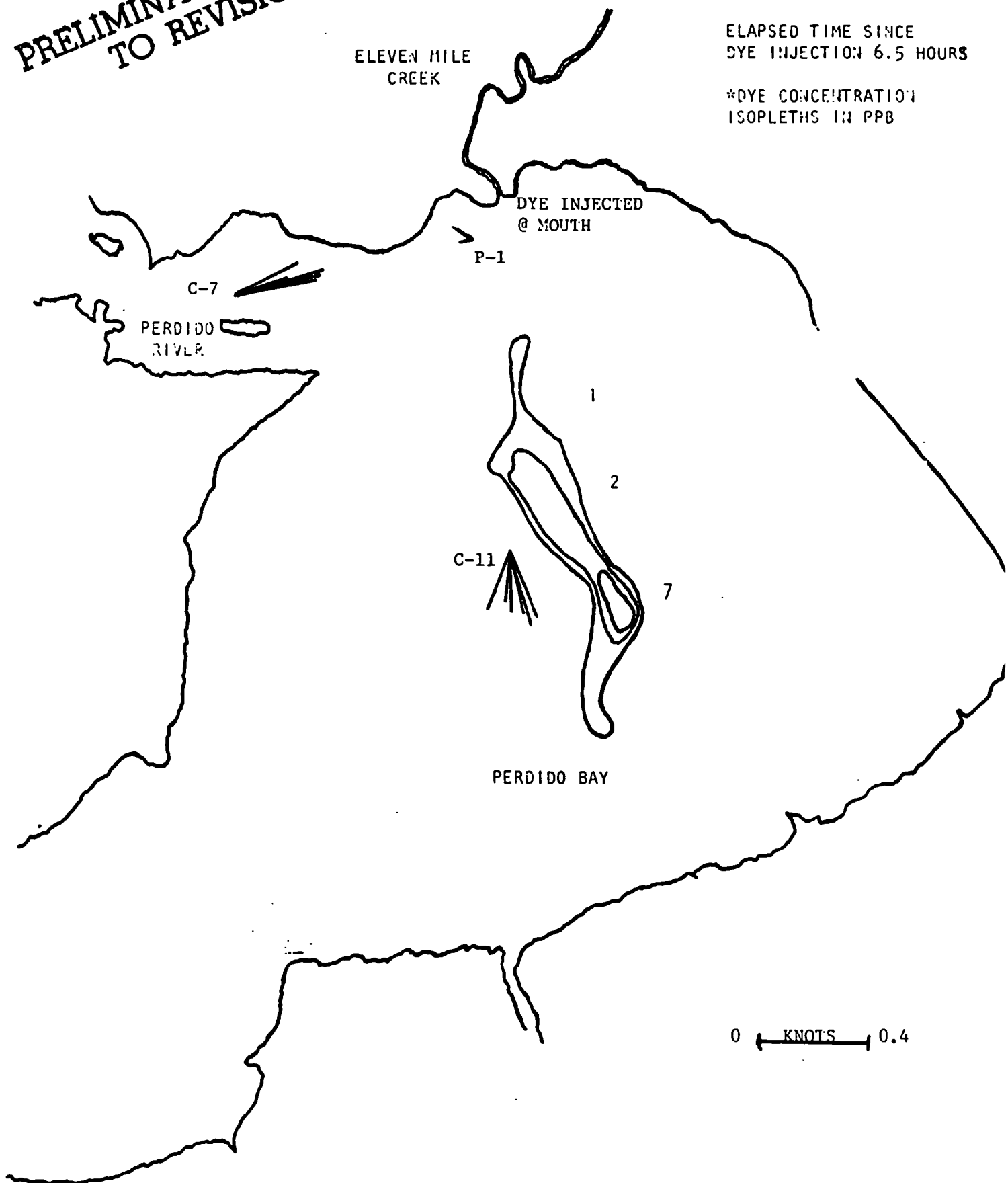
* Data to be reported at a later date.

PRELIMINARY - SUBJECT
TO REVISION

FIGURE
CURRENT AND DYE TRACER
CIRCULATION PATTERNS
IN PERDIDO BAY
DECEMBER 1986

ELAPSED TIME SINCE
DYE INJECTION 6.5 HOURS

*DYE CONCENTRATION
ISOPLETHS IN PPB

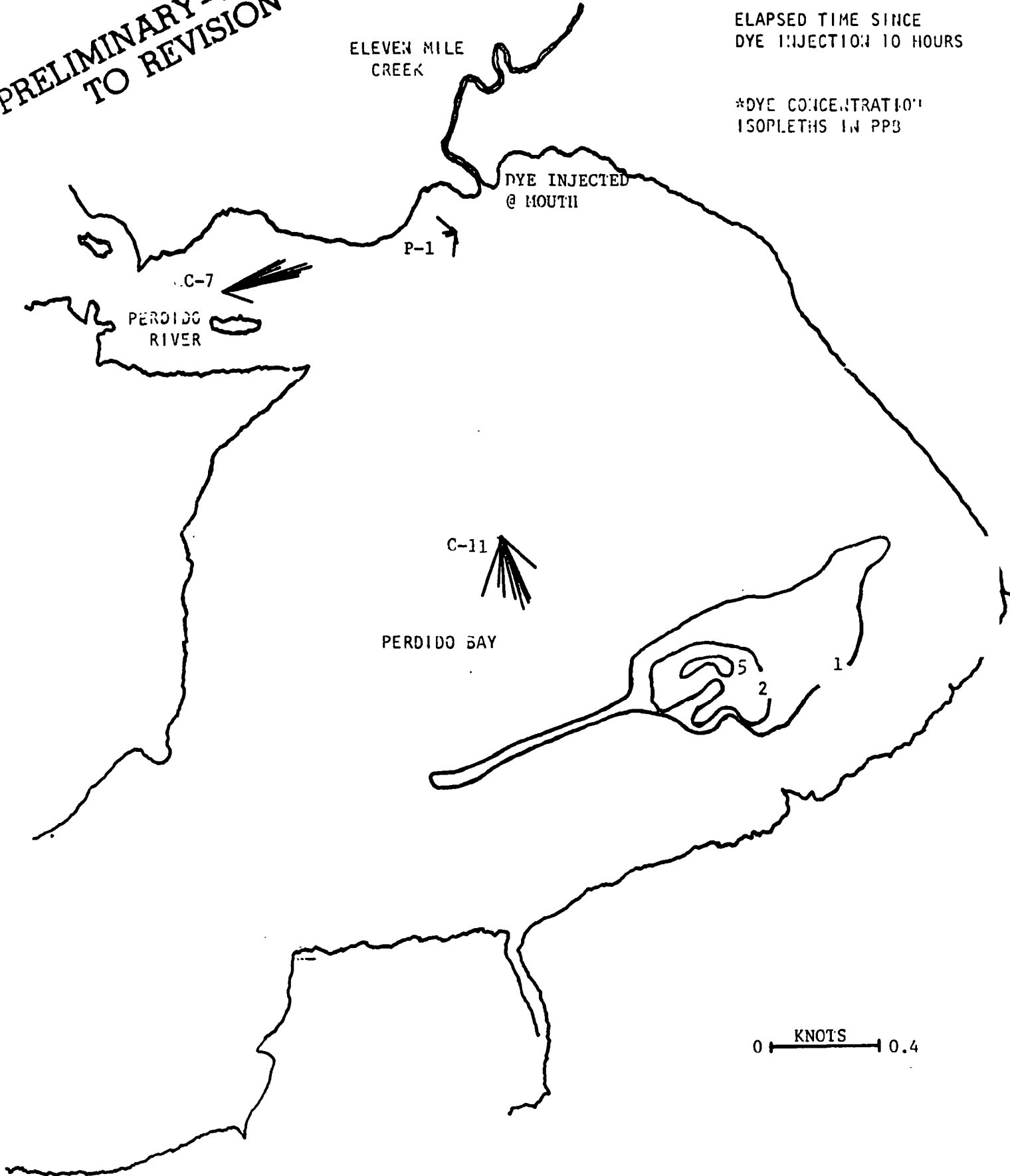


PRELIMINARY-SUBJECT
TO REVISION

FIGURE
CURRENT AND DYE TRACER
CIRCULATION PATTERNS
IN PERDIDO BAY
DECEMBER 1986

ELAPSED TIME SINCE
DYE INJECTION 10 HOURS

*DYE CONCENTRATION
ISOPLETHS IN PPB



PRELIMINARY - SUBJECT
TO REVISION

FIGURE
CURRENT AND DYE TRACER
CIRCULATION PATTERNS
IN PERDIDO BAY
DECEMBER 1986

ELAPSED TIME SINCE DYE
INJECTION 33 HOURS

*DYE CONCENTRATION
ISOPLETH 1:1 PPB

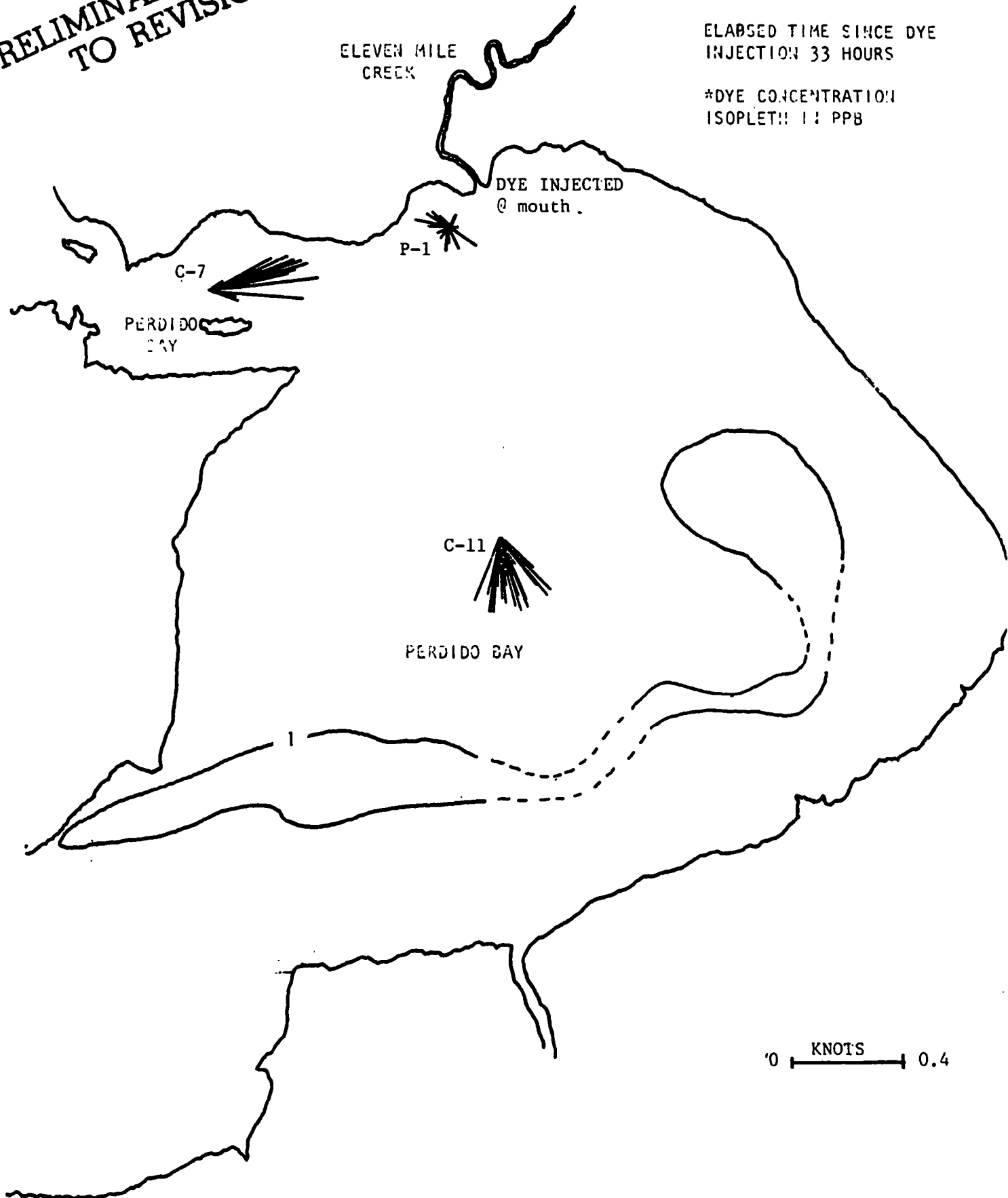


FIGURE
HYDRODYNAMIC RESULTS
STATION C-11 T
DECEMBER 1986

PRELIMINARY--SUBJECT
TO REVISION

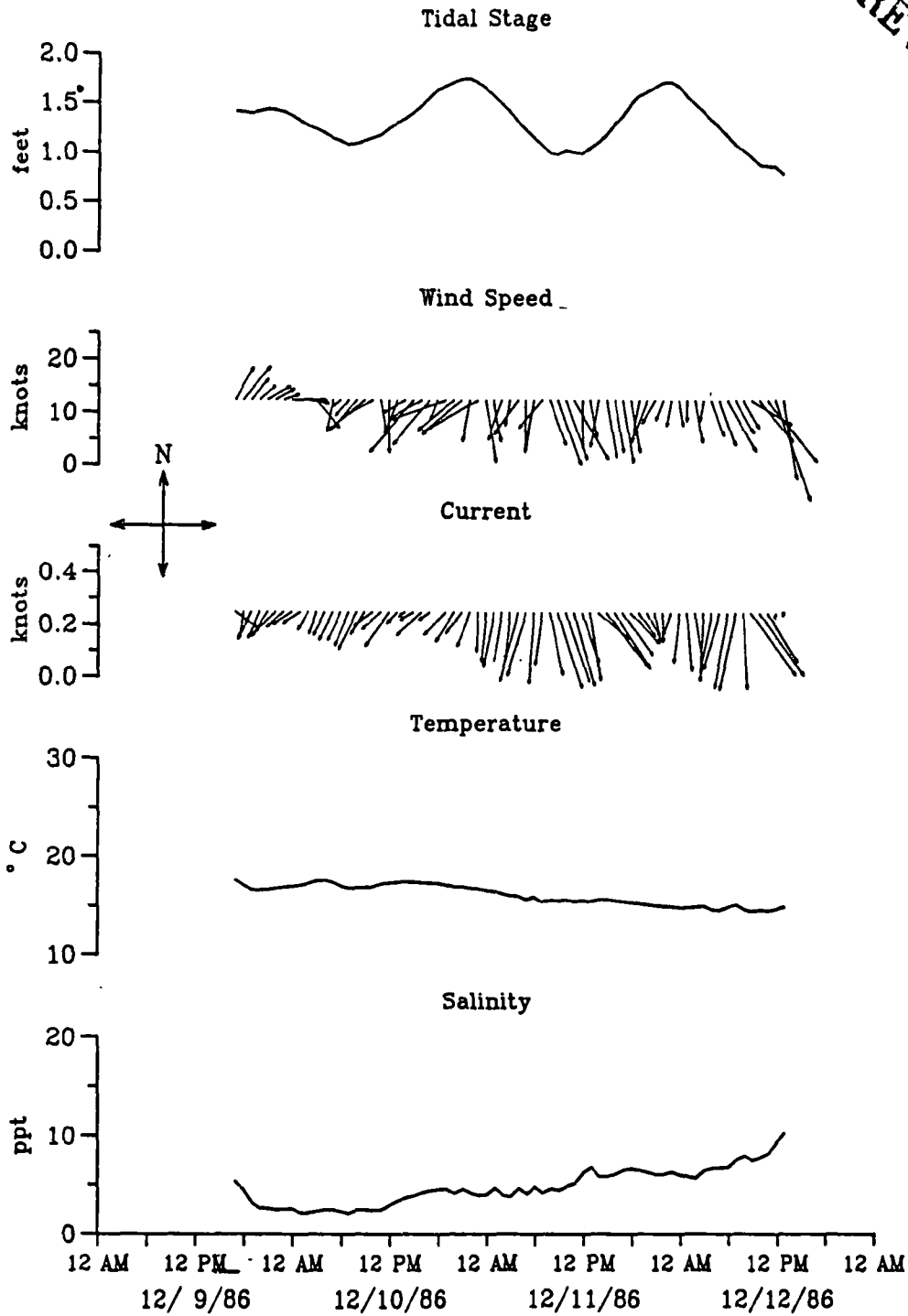


FIGURE
HYDRODYNAMIC RESULTS
STATION C-11 B
DECEMBER 1986

PRELIMINARY--SUBJECT
TO REVISION

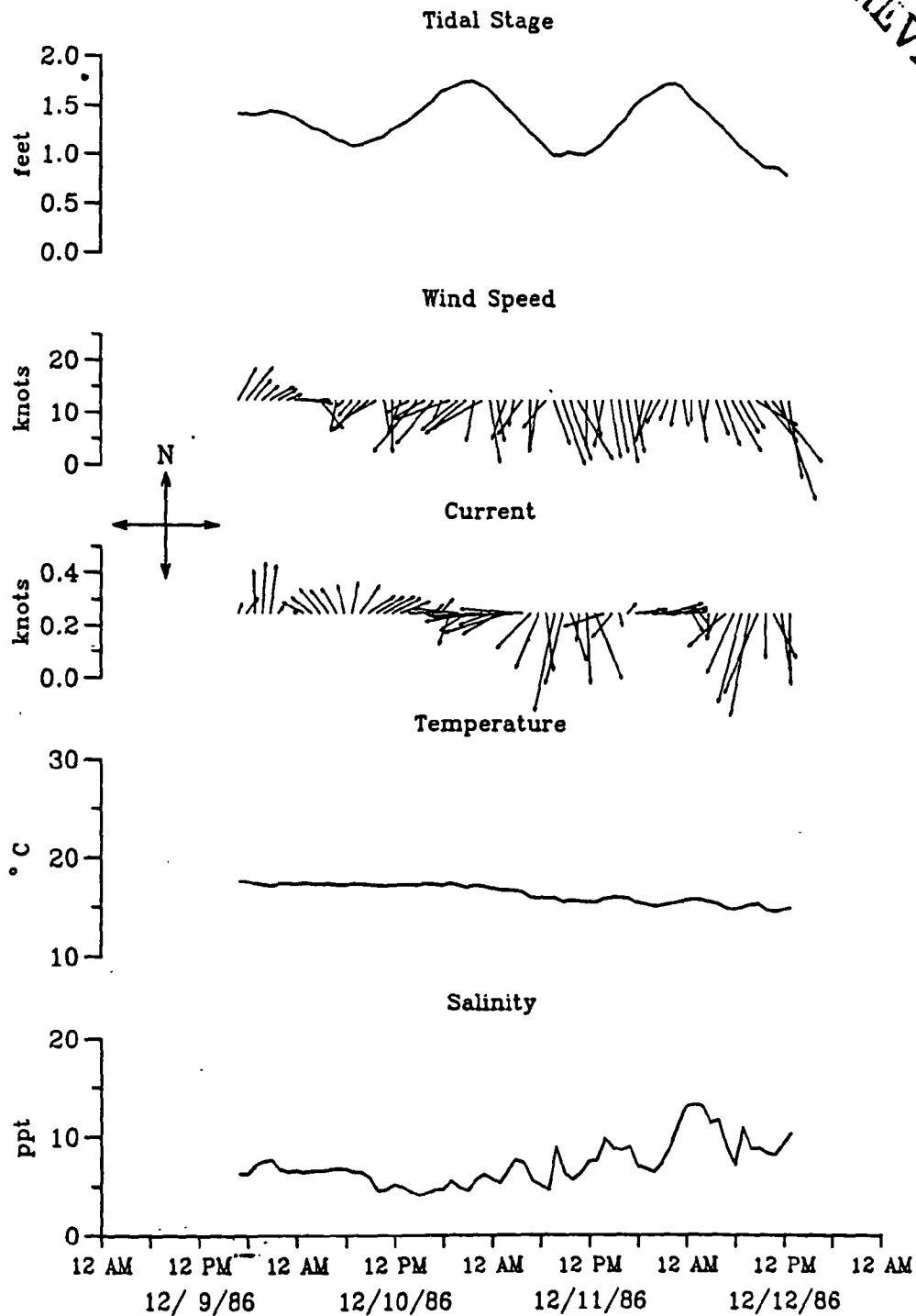


FIGURE
HYDRODYNAMIC RESULTS
STATION P-1
DECEMBER 1986

PRELIMINARY--SUBJECT
TO REVISION

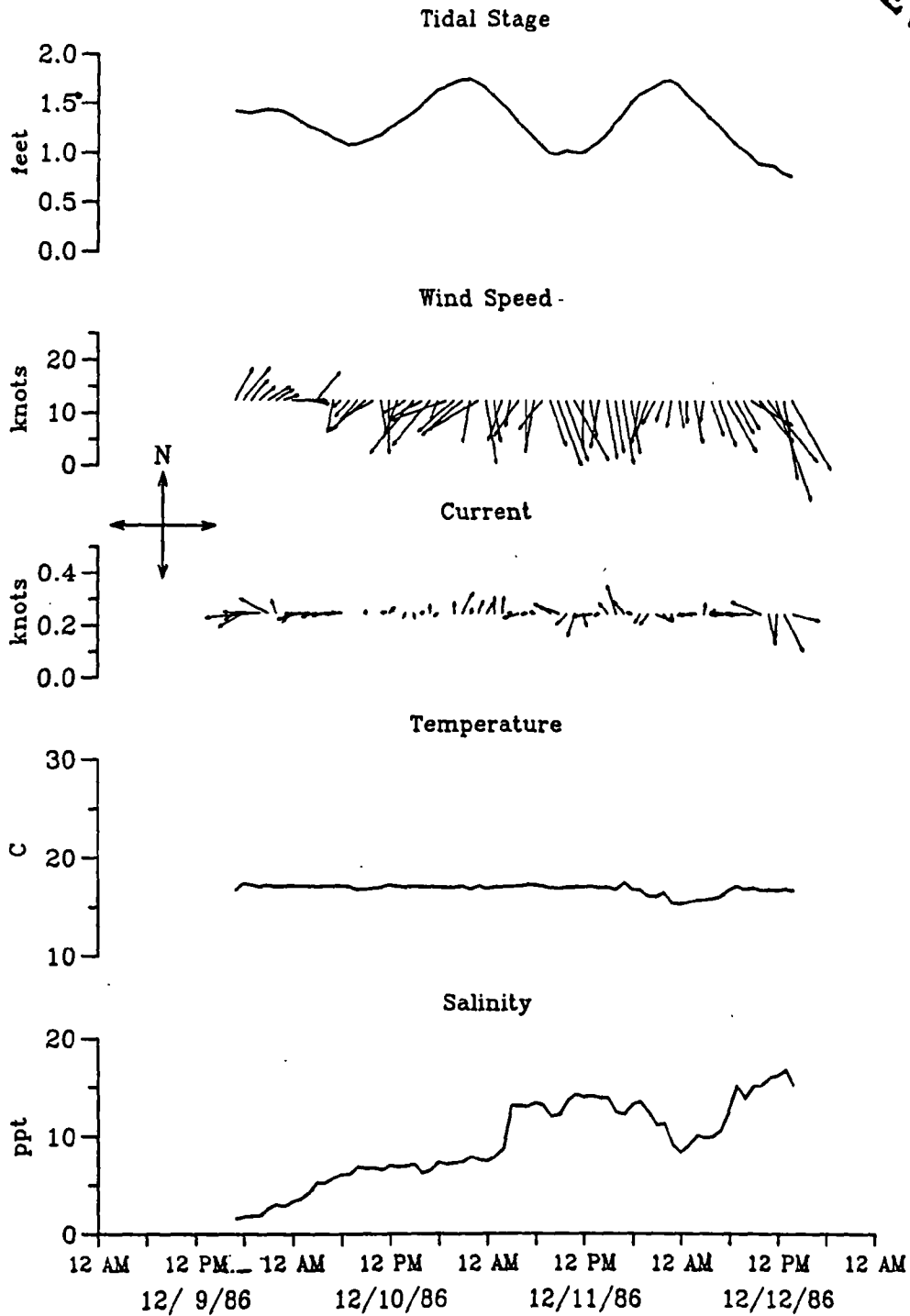
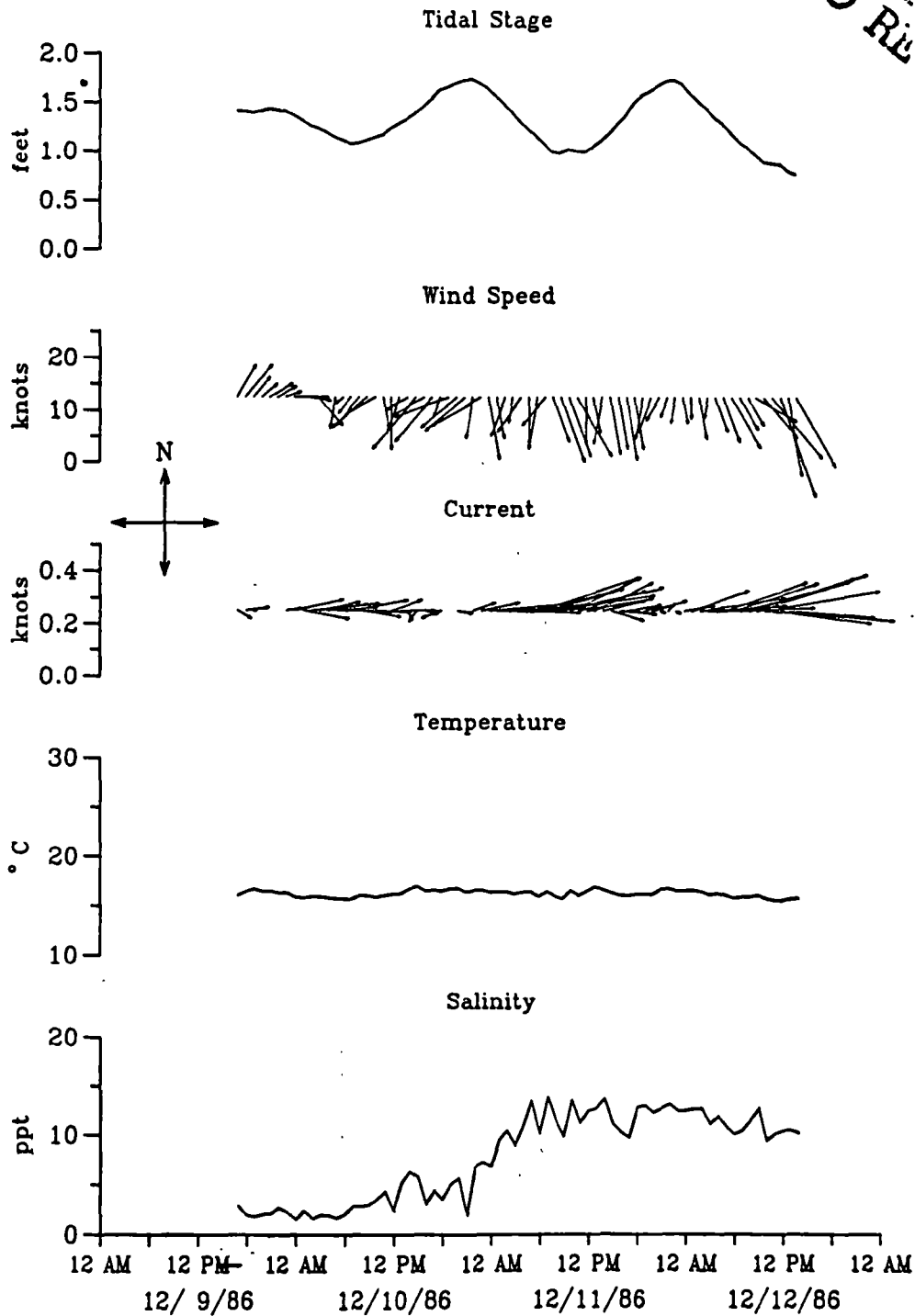


FIGURE
HYDRODYNAMIC RESULTS
STATION C-7
DECEMBER 1986

PRELIMINARY--SUBJECT
TO REVISION



STATION	DATE	HR	STAGE (FT)	WIND		CURRENT		SALINITY (PPT)	
				SPEED (KNOTS)	DIR (DEG)	SPEED (KNOTS)	DIR (DEG)		TEMP. (C)
C-7	12/09/86	18	1.42	8.00	40.00	.09	82.00	16.48	1.92
C-7	12/09/86	19	1.41	5.00	40.00	.01	105.00	16.78	1.79
C-7	12/09/86	20	1.43	4.00	50.00	.00	151.00	16.52	2.05
C-7	12/09/86	21	1.45	5.00	60.00	.00	99.00	16.56	2.13
C-7	12/09/86	22	1.44	4.00	60.00	.00	89.00	16.38	2.71
C-7	12/09/86	23	1.42	3.00	70.00	.06	83.00	16.41	2.26
C-7	12/09/86	24	1.38	6.00	90.00	.19	77.00	15.94	1.45
C-7	12/10/86	1	1.33	5.00	90.00	.18	100.00	15.86	2.41
C-7	12/10/86	2	1.28	4.00	100.00	.22	84.00	16.01	1.55
C-7	12/10/86	3	1.25	7.00	140.00	.16	78.00	16.01	1.97
C-7	12/10/86	4	1.21	.00	180.00	.20	82.00	15.87	1.94
C-7	12/10/86	5	1.16	6.00	190.00	.16	86.00	15.80	1.62
C-7	12/10/86	6	1.13	2.00	230.00	.26	91.00	15.76	2.07
C-7	12/10/86	7	1.09	4.00	220.00	.22	79.00	15.73	2.86
C-7	12/10/86	8	1.10	7.00	220.00	.16	98.00	16.11	2.88
C-7	12/10/86	9	1.13	9.00	230.00	.09	95.00	16.06	2.95
C-7	12/10/86	10	1.16	7.00	240.00	.04	109.00	15.92	3.57
C-7	12/10/86	11	1.19	6.00	170.00	.00	108.00	16.11	4.39
C-7	12/10/86	12	1.26	10.00	180.00	.12	70.00	16.23	2.37
C-7	12/10/86	13	1.31	7.00	200.00	.13	89.00	16.27	5.21
C-7	12/10/86	14	1.36	5.00	240.00	.04	158.00	16.75	6.43
C-7	12/10/86	15	1.42	13.00	220.00	.05	217.00	17.04	5.85
C-7	12/10/86	16	1.49	7.00	240.00	.05	104.00	16.51	3.06
C-7	12/10/86	17	1.56	11.00	220.00	.02	116.00	16.63	4.50
C-7	12/10/86	18	1.65	4.00	200.00	.08	250.00	16.50	3.53
C-7	12/10/86	19	1.68	11.00	250.00	.00	273.00	16.75	5.10
C-7	12/10/86	20	1.72	9.00	230.00	.06	99.00	16.79	5.73
C-7	12/10/86	21	1.75	10.00	230.00	.00	25.00	16.39	1.91
C-7	12/10/86	22	1.76	8.00	190.00	.09	70.00	16.60	6.90
C-7	12/10/86	23	1.72	11.00	240.00	.15	78.00	16.63	7.34
C-7	12/10/86	24	1.67	12.00	170.00	.32	85.00	16.41	6.89
C-7	12/11/86	1	1.59	8.00	170.00	.32	91.00	16.46	9.52
C-7	12/11/86	2	1.51	8.00	200.00	.27	87.00	16.48	10.56
C-7	12/11/86	3	1.43	5.00	190.00	.32	88.00	16.24	8.99
C-7	12/11/86	4	1.33	8.00	215.00	.32	84.00	16.44	11.01
C-7	12/11/86	5	1.25	9.00	180.00	.33	77.00	16.54	13.52
C-7	12/11/86	6	1.17	10.00	190.00	.41	72.00	15.99	10.21
C-7	12/11/86	7	1.09	7.00	220.00	.31	74.00	16.52	13.94
C-7	12/11/86	8	1.01	9.00	160.00	.39	81.00	16.07	11.57
C-7	12/11/86	9	1.00	13.00	160.00	.40	77.00	15.81	9.98
C-7	12/11/86	10	1.04	12.00	160.00	.30	65.00	16.69	13.63
C-7	12/11/86	11	1.02	13.00	150.00	.27	73.00	16.16	11.35
C-7	12/11/86	12	1.01	9.00	180.00	.26	79.00	16.62	12.56
C-7	12/11/86	13	1.06	7.00	170.00	.25	64.00	17.07	12.81
C-7	12/11/86	14	1.12	9.00	190.00	.17	76.00	16.70	13.78
C-7	12/11/86	15	1.20	11.00	170.00	.13	105.00	16.42	11.27
C-7	12/11/86	16	1.30	10.00	170.00	.11	93.00	16.18	10.41
C-7	12/11/86	17	1.39	12.00	170.00	.13	79.00	16.17	9.84
C-7	12/11/86	18	1.51	10.00	170.00	.08	98.00	16.30	12.93
C-7	12/11/86	19	1.59	8.00	190.00	.07	73.00	16.36	13.14
C-7	12/11/86	20	1.63	7.00	200.00	.14	74.00	16.28	12.41
C-7	12/11/86	21	1.68	5.00	210.00	.02	105.00	16.82	12.85
C-7	12/11/86	22	1.73	4.00	200.00	.04	43.00	16.87	13.27
C-7	12/11/86	23	1.74	5.00	190.00	.02	115.00	16.60	12.57
C-7	12/11/86	24	1.70	5.00	170.00	.12	80.00	16.67	12.62
C-7	12/12/86	1	1.60	4.00	180.00	.23	70.00	16.68	12.79

PRELIMINARY-SUBJECT
TO REVISION

PRELIMINARY - SUBJECT
TO REVISION

STATION	DATE	HR	STAGE (FT)	WIND		-----		CURRENT		-----	
				SPEED (KNOTS)	DIR (DEG)	SPEED (KNOTS)	DIR (DEG)	TEMP. (C)		SALINITY (PPT)	
C-7	12/12/86	2	1.52	8.00	170.00	.33	81.00	16.55		12.80	
C-7	12/12/86	3	1.45	4.00	190.00	.30	86.00	16.25		11.25	
C-7	12/12/86	4	1.36	7.00	160.00	.38	88.00	16.39		12.09	
C-7	12/12/86	5	1.29	9.00	160.00	.34	71.00	16.21		11.02	
C-7	12/12/86	6	1.20	11.00	150.00	.35	72.00	15.93		10.19	
C-7	12/12/86	7	1.11	7.00	150.00	.44	75.00	16.07		10.59	
C-7	12/12/86	8	1.05	6.00	150.00	.43	73.00	16.09		11.68	
C-7	12/12/86	9	.98	9.00	120.00	.45	72.00	16.25		12.89	
C-7	12/12/86	10	.90	10.00	140.00	.45	80.00	15.89		9.53	
C-7	12/12/86	11	.89	15.00	140.00	.47	94.00	15.71		10.24	
C-7	12/12/86	12	.88	20.00	160.00	.35	97.00	15.73		10.58	
C-7	12/12/86	13	.81	15.00	170.00	.32	94.00	15.88		10.61	
C-7	12/12/86	14	.78	15.00	150.00	.30	94.00	15.97		10.32	
C-11 T	12/09/86	17	1.43	7.00	30.00	.10	125.00	17.68		5.38	
C-11 T	12/09/86	18	1.42	8.00	40.00	.10	190.00	17.13		4.42	
C-11 T	12/09/86	19	1.41	5.00	40.00	.12	207.00	16.70		3.24	
C-11 T	12/09/86	20	1.43	4.00	50.00	.11	204.00	16.62		2.69	
C-11 T	12/09/86	21	1.45	5.00	60.00	.11	213.00	16.65		2.59	
C-11 T	12/09/86	22	1.44	4.00	60.00	.11	226.00	16.79		2.48	
C-11 T	12/09/86	23	1.42	3.00	70.00	.09	229.00	16.92		2.54	
C-11 T	12/09/86	24	1.38	6.00	90.00	.09	236.00	17.01		2.61	
C-11 T	12/10/86	1	1.33	5.00	90.00	.08	236.00	17.13		2.16	
C-11 T	12/10/86	2	1.28	4.00	100.00	.08	212.00	17.30		2.19	
C-11 T	12/10/86	3	1.25	7.00	140.00	.09	199.00	17.58		2.32	
C-11 T	12/10/86	4	1.21	.00	180.00	.10	206.00	17.63		2.47	
C-11 T	12/10/86	5	1.16	6.00	190.00	.12	206.00	17.44		2.49	
C-11 T	12/10/86	6	1.13	2.00	230.00	.12	205.00	17.06		2.28	
C-11 T	12/10/86	7	1.09	4.00	220.00	.14	203.00	16.84		2.10	
C-11 T	12/10/86	8	1.10	7.00	220.00	.16	206.00	16.84		2.48	
C-11 T	12/10/86	9	1.13	9.00	230.00	.10	213.00	16.90		2.47	
C-11 T	12/10/86	10	1.16	7.00	240.00	.09	234.00	16.94		2.42	
C-11 T	12/10/86	11	1.19	6.00	170.00	.10	228.00	17.24		2.46	
C-11 T	12/10/86	12	1.26	10.00	180.00	.16	215.00	17.38		2.95	
C-11 T	12/10/86	13	1.31	7.00	200.00	.06	223.00	17.48		3.43	
C-11 T	12/10/86	14	1.36	5.00	240.00	.03	237.00	17.48		3.71	
C-11 T	12/10/86	15	1.42	13.00	220.00	.06	238.00	17.48		3.89	
C-11 T	12/10/86	16	1.49	7.00	240.00	.13	228.00	17.40		4.21	
C-11 T	12/10/86	17	1.56	11.00	220.00	.05	234.00	17.40		4.41	
C-11 T	12/10/86	18	1.65	4.00	200.00	.00	132.00	17.35		4.54	
C-11 T	12/10/86	19	1.68	11.00	250.00	.12	225.00	17.18		4.60	
C-11 T	12/10/86	20	1.72	9.00	230.00	.13	212.00	17.00		4.10	
C-11 T	12/10/86	21	1.75	10.00	230.00	.10	218.00	17.00		4.58	
C-11 T	12/10/86	22	1.76	8.00	190.00	.14	201.00	16.86		4.18	
C-11 T	12/10/86	23	1.72	11.00	240.00	.15	182.00	16.80		3.94	
C-11 T	12/10/86	24	1.67	12.00	170.00	.19	185.00	16.64		4.02	
C-11 T	12/11/86	1	1.59	8.00	170.00	.21	191.00	16.56		4.70	
C-11 T	12/11/86	2	1.51	8.00	200.00	.19	189.00	16.32		3.96	
C-11 T	12/11/86	3	1.43	5.00	190.00	.18	185.00	16.13		3.80	
C-11 T	12/11/86	4	1.33	8.00	215.00	.27	195.00	16.10		4.65	
C-11 T	12/11/86	5	1.25	9.00	180.00	.25	197.00	15.69		4.04	
C-11 T	12/11/86	6	1.17	10.00	190.00	.27	184.00	16.00		4.82	
C-11 T	12/11/86	7	1.09	7.00	220.00	.20	187.00	15.51		4.18	
C-11 T	12/11/86	8	1.01	9.00	160.00	.24	168.00	15.64		4.60	
C-11 T	12/11/86	9	1.00	13.00	160.00	.30	162.00	15.60		4.44	
C-11 T	12/11/86	10	1.04	12.00	160.00	.28	161.00	15.73		4.84	
C-11 T	12/11/86	11	1.02	13.00	150.00	.29	164.00	15.54		5.12	

PRELIMINARY--SUBJECT TO REVISION

STATION	DATE	HR	STAGE (FT)	WIND		CURRENT		TEMP. (C)	SALINITY (PPT)
				SPEED (KNOTS)	DIR (DEG)	SPEED (KNOTS)	DIR (DEG)		
C-11 T	12/11/86	12	1.01	9.00	180.00	.20	161.00	15.67	6.20
C-11 T	12/11/86	13	1.06	7.00	170.00	.26	171.00	15.53	6.80
C-11 T	12/11/86	14	1.12	9.00	190.00	.15	130.00	15.73	5.82
C-11 T	12/11/86	15	1.20	11.00	170.00	.26	142.00	15.73	5.85
C-11 T	12/11/86	16	1.30	10.00	170.00	.25	147.00	15.63	6.09
C-11 T	12/11/86	17	1.39	12.00	170.00	.20	144.00	15.55	6.51
C-11 T	12/11/86	18	1.51	10.00	170.00	.16	136.00	15.47	6.68
C-11 T	12/11/86	19	1.59	8.00	190.00	.11	144.00	15.35	6.48
C-11 T	12/11/86	20	1.63	7.00	200.00	.10	149.00	15.25	6.27
C-11 T	12/11/86	21	1.68	5.00	210.00	.11	168.00	15.15	6.03
C-11 T	12/11/86	22	1.73	4.00	200.00	.11	179.00	15.11	6.05
C-11 T	12/11/86	23	1.74	5.00	190.00	.09	201.00	15.07	6.33
C-11 T	12/11/86	24	1.70	5.00	170.00	.19	186.00	14.96	5.99
C-11 T	12/12/86	1	1.60	4.00	180.00	.22	175.00	14.96	5.86
C-11 T	12/12/86	2	1.52	8.00	170.00	.18	171.00	15.04	5.68
C-11 T	12/12/86	3	1.45	4.00	190.00	.26	183.00	15.11	6.46
C-11 T	12/12/86	4	1.36	7.00	160.00	.23	191.00	14.70	6.70
C-11 T	12/12/86	5	1.29	9.00	160.00	.22	196.00	14.69	6.75
C-11 T	12/12/86	6	1.20	11.00	150.00	.29	190.00	15.06	6.79
C-11 T	12/12/86	7	1.11	7.00	150.00	.30	192.00	15.25	7.53
C-11 T	12/12/86	8	1.05	6.00	150.00	.29	177.00	14.74	7.96
C-11 T	12/12/86	9	.98	9.00	120.00	.29	144.00	14.57	7.44
C-11 T	12/12/86	10	.90	10.00	140.00	.29	144.00	14.73	7.80
C-11 T	12/12/86	11	.89	15.00	140.00	.22	148.00	14.65	8.22
C-11 T	12/12/86	12	.88	20.00	160.00	.02	187.00	14.85	9.48
C-11 T	12/12/86	13	.81	15.00	170.00	.01	187.00	15.06	10.31
C-11 B	12/09/86	17	1.43	7.00	30.00	.04	20.00	17.65	6.32
C-11 B	12/09/86	18	1.42	8.00	40.00	.07	37.00	17.64	6.29
C-11 B	12/09/86	19	1.41	5.00	40.00	.16	358.00	17.39	7.20
C-11 B	12/09/86	20	1.43	4.00	50.00	.19	4.00	17.26	7.54
C-11 B	12/09/86	21	1.45	5.00	60.00	.18	7.00	17.16	7.70
C-11 B	12/09/86	22	1.44	4.00	60.00	.03	34.00	17.38	6.71
C-11 B	12/09/86	23	1.42	3.00	70.00	.00	240.00	17.38	6.50
C-11 B	12/09/86	24	1.38	6.00	90.00	.01	325.00	17.37	6.63
C-11 B	12/10/86	1	1.33	5.00	90.00	.09	297.00	17.44	6.45
C-11 B	12/10/86	2	1.28	4.00	100.00	.10	307.00	17.36	6.61
C-11 B	12/10/86	3	1.25	7.00	140.00	.12	320.00	17.36	6.63
C-11 B	12/10/86	4	1.21	.00	180.00	.11	323.00	17.35	6.74
C-11 B	12/10/86	5	1.16	6.00	190.00	.11	329.00	17.27	6.86
C-11 B	12/10/86	6	1.13	2.00	230.00	.11	346.00	17.29	6.82
C-11 B	12/10/86	7	1.09	4.00	220.00	.12	11.00	17.36	6.51
C-11 B	12/10/86	8	1.10	7.00	220.00	.13	35.00	17.36	6.47
C-11 B	12/10/86	9	1.13	9.00	230.00	.12	57.00	17.32	5.97
C-11 B	12/10/86	10	1.16	7.00	240.00	.12	59.00	17.18	4.54
C-11 B	12/10/86	11	1.19	6.00	170.00	.13	60.00	17.18	4.73
C-11 B	12/10/86	12	1.26	10.00	180.00	.12	62.00	17.26	5.30
C-11 B	12/10/86	13	1.31	7.00	200.00	.12	68.00	17.26	5.00
C-11 B	12/10/86	14	1.36	5.00	240.00	.09	86.00	17.32	4.48
C-11 B	12/10/86	15	1.42	13.00	220.00	.09	86.00	17.29	4.13
C-11 B	12/10/86	16	1.49	7.00	240.00	.03	115.00	17.41	4.34
C-11 B	12/10/86	17	1.56	11.00	220.00	.05	49.00	17.36	4.71
C-11 B	12/10/86	18	1.65	4.00	200.00	.07	38.00	17.26	4.76
C-11 B	12/10/86	19	1.68	11.00	250.00	.13	199.00	17.45	5.65
C-11 B	12/10/86	20	1.72	9.00	230.00	.17	276.00	17.24	4.95
C-11 B	12/10/86	21	1.75	10.00	230.00	.12	236.00	17.05	4.63
C-11 B	12/10/86	22	1.76	8.00	190.00	.19	260.00	17.25	5.71

STATION	DATE	HR	STAGE (FT)	WIND		CURRENT			SALINITY (PPT)
				SPEED (KNOTS)	DIR (DEG)	SPEED (KNOTS)	DIR (DEG)	TEMP. (C)	
C-11 B	12/10/86	23	1.72	11.00	240.00	.20	267.00	17.16	6.32
C-11 B	12/10/86	24	1.67	12.00	170.00	.13	249.00	16.99	5.87
C-11 B	12/11/86	1	1.59	8.00	170.00	.16	239.00	16.79	5.41
C-11 B	12/11/86	2	1.51	8.00	200.00	.25	252.00	16.81	6.75
C-11 B	12/11/86	3	1.43	5.00	190.00	.31	267.00	16.77	7.78
C-11 B	12/11/86	4	1.33	8.00	215.00	.24	274.00	16.55	7.38
C-11 B	12/11/86	5	1.25	9.00	180.00	.19	224.00	16.05	5.66
C-11 B	12/11/86	6	1.17	10.00	190.00	.23	203.00	16.02	5.25
C-11 B	12/11/86	7	1.09	7.00	220.00	.22	173.00	15.98	4.63
C-11 B	12/11/86	8	1.01	9.00	160.00	.38	192.00	16.04	9.05
C-11 B	12/11/86	9	1.00	13.00	160.00	.28	194.00	15.62	6.44
C-11 B	12/11/86	10	1.04	12.00	160.00	.19	161.00	15.79	5.74
C-11 B	12/11/86	11	1.02	13.00	150.00	.11	186.00	15.72	6.48
C-11 B	12/11/86	12	1.01	9.00	180.00	.27	177.00	15.66	7.62
C-11 B	12/11/86	13	1.06	7.00	170.00	.27	158.00	15.59	7.62
C-11 B	12/11/86	14	1.12	9.00	190.00	.16	251.00	15.99	9.96
C-11 B	12/11/86	15	1.20	11.00	170.00	.12	218.00	16.14	8.92
C-11 B	12/11/86	16	1.30	10.00	170.00	.05	168.00	16.12	8.70
C-11 B	12/11/86	17	1.39	12.00	170.00	.05	40.00	16.06	9.15
C-11 B	12/11/86	18	1.51	10.00	170.00	.10	81.00	15.61	7.09
C-11 B	12/11/86	19	1.59	8.00	190.00	.09	79.00	15.48	6.87
C-11 B	12/11/86	20	1.63	7.00	200.00	.09	91.00	15.30	6.53
C-11 B	12/11/86	21	1.68	5.00	210.00	.14	80.00	15.35	7.51
C-11 B	12/11/86	22	1.73	4.00	200.00	.14	73.00	15.52	9.03
C-11 B	12/11/86	23	1.74	5.00	190.00	.12	79.00	15.69	11.23
C-11 B	12/11/86	24	1.70	5.00	170.00	.09	83.00	15.87	13.17
C-11 B	12/12/86	1	1.60	4.00	180.00	.08	148.00	15.99	13.42
C-11 B	12/12/86	2	1.52	8.00	170.00	.05	141.00	15.97	13.32
C-11 B	12/12/86	3	1.45	4.00	190.00	.10	182.00	15.71	11.49
C-11 B	12/12/86	4	1.36	7.00	160.00	.11	202.00	15.51	11.79
C-11 B	12/12/86	5	1.29	9.00	160.00	.19	228.00	15.11	9.01
C-11 B	12/12/86	6	1.20	11.00	150.00	.25	204.00	14.90	7.19
C-11 B	12/12/86	7	1.11	7.00	150.00	.35	195.00	15.16	11.06
C-11 B	12/12/86	8	1.05	6.00	150.00	.40	191.00	15.45	8.85
C-11 B	12/12/86	9	.98	9.00	120.00	.33	203.00	15.50	8.91
C-11 B	12/12/86	10	.90	10.00	140.00	.17	180.00	14.89	8.38
C-11 B	12/12/86	11	.89	15.00	140.00	.19	152.00	14.71	8.26
C-11 B	12/12/86	12	.88	20.00	160.00	.22	171.00	14.89	9.49
C-11 B	12/12/86	13	.81	15.00	170.00	.27	179.00	15.08	10.47
P-1	12/09/86	17	1.43	7.00	30.00	.05	237.00	16.79	1.63
P-1	12/09/86	18	1.42	8.00	40.00	.11	241.00	17.42	1.77
P-1	12/09/86	19	1.41	5.00	40.00	.18	264.00	17.28	1.87
P-1	12/09/86	20	1.43	4.00	50.00	.14	271.00	17.11	1.93
P-1	12/09/86	21	1.45	5.00	60.00	.12	296.00	17.24	2.56
P-1	12/09/86	22	1.44	4.00	60.00	.05	341.00	17.12	3.05
P-1	12/09/86	23	1.42	3.00	70.00	.00	108.00	17.18	2.86
P-1	12/09/86	24	1.38	6.00	90.00	.05	227.00	17.18	3.32
P-1	12/10/86	1	1.33	5.00	90.00	.09	255.00	17.18	3.58
P-1	12/10/86	2	1.28	4.00	100.00	.09	267.00	17.18	4.25
P-1	12/10/86	3	1.25	7.00	40.00	.06	256.00	17.09	5.28
P-1	12/10/86	4	1.21	.00	180.00	.05	256.00	17.17	5.24
P-1	12/10/86	5	1.16	6.00	190.00	.03	263.00	17.17	5.80
P-1	12/10/86	6	1.13	2.00	230.00	.04	269.00	17.18	6.08
P-1	12/10/86	7	1.09	4.00	220.00	.00	303.00	17.11	6.14
P-1	12/10/86	8	1.10	7.00	220.00	.00	30.00	16.85	6.95
P-1	12/10/86	9	1.13	9.00	230.00	.01	31.00	16.83	6.73

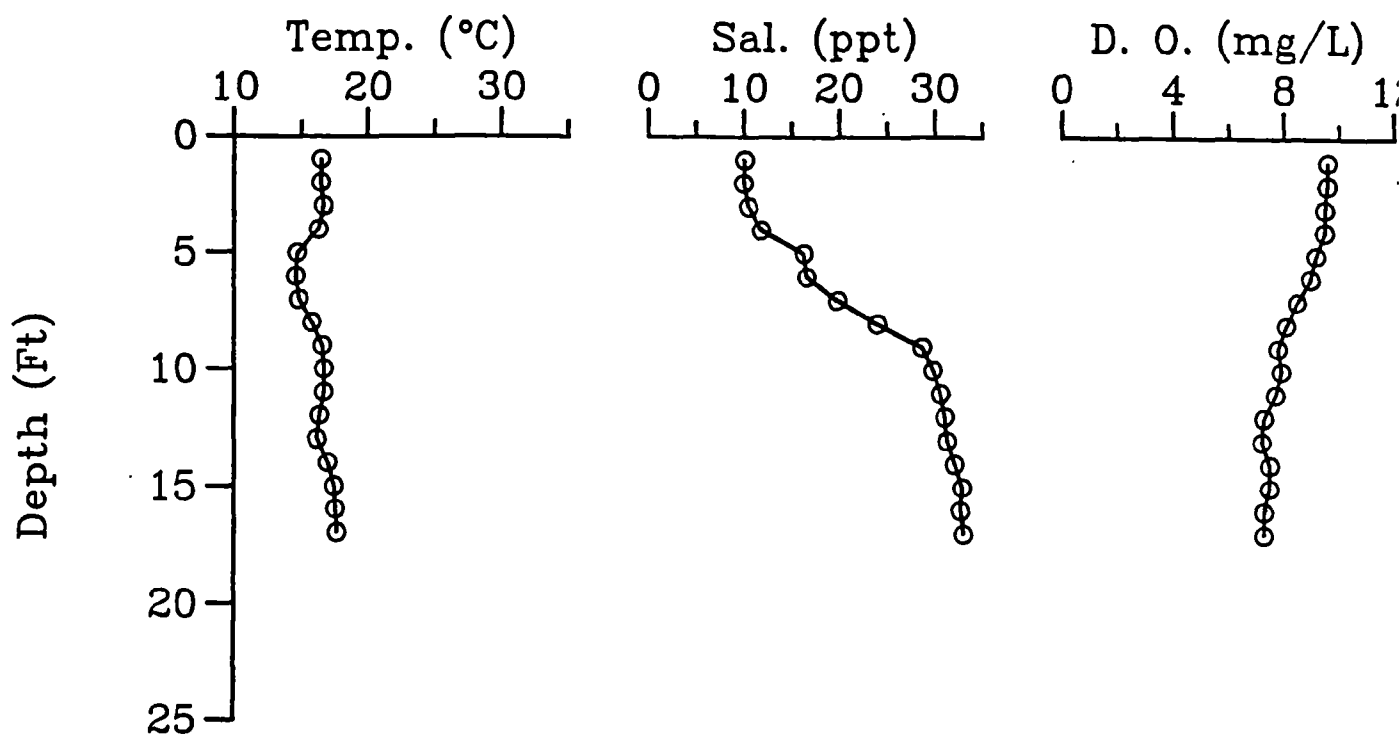
PRELIMINARY - SUBJECT
TO REVISION

STATION	DATE	HR	STAGE	WIND		-----		CURRENT		-----	
				SPEED	DIR	SPEED	DIR	TEMP.	SALINITY		
			(FT)	(KNOTS)	(DEG)	(KNOTS)	(DEG)	(C)	(PPT)		
P-1	12/10/86	10	1.16	7.00	240.00	.00	47.00	16.99	6.81		
P-1	12/10/86	11	1.19	6.00	170.00	.02	81.00	17.08	6.60		
P-1	12/10/86	12	1.26	10.00	180.00	.03	47.00	17.28	7.05		
P-1	12/10/86	13	1.31	7.00	200.00	.00	98.00	17.18	6.91		
P-1	12/10/86	14	1.36	5.00	240.00	.02	211.00	17.09	7.02		
P-1	12/10/86	15	1.42	13.00	220.00	.02	162.00	17.15	7.15		
P-1	12/10/86	16	1.49	7.00	240.00	.01	52.00	17.13	6.25		
P-1	12/10/86	17	1.56	11.00	220.00	.03	4.00	17.13	6.60		
P-1	12/10/86	18	1.65	4.00	200.00	.02	235.00	17.09	7.40		
P-1	12/10/86	19	1.68	11.00	250.00	.00	46.00	17.08	7.17		
P-1	12/10/86	20	1.72	9.00	230.00	.04	-3.00	17.08	7.37		
P-1	12/10/86	21	1.75	10.00	230.00	.09	29.00	17.16	7.39		
P-1	12/10/86	22	1.76	8.00	190.00	.02	31.00	16.90	7.99		
P-1	12/10/86	23	1.72	11.00	240.00	.05	24.00	17.26	7.67		
P-1	12/10/86	24	1.67	12.00	170.00	.05	36.00	16.92	7.46		
P-1	12/11/86	1	1.59	8.00	170.00	.06	1.00	17.16	7.99		
P-1	12/11/86	2	1.51	8.00	200.00	.06	8.00	17.11	8.85		
P-1	12/11/86	3	1.43	5.00	190.00	.01	277.00	17.17	13.17		
P-1	12/11/86	4	1.33	8.00	215.00	.06	253.00	17.24	13.18		
P-1	12/11/86	5	1.25	9.00	180.00	.02	264.00	17.36	13.10		
P-1	12/11/86	6	1.17	10.00	190.00	.02	288.00	17.34	13.45		
P-1	12/11/86	7	1.09	7.00	220.00	.00	33.00	17.24	13.24		
P-1	12/11/86	8	1.01	9.00	160.00	.05	301.00	17.07	12.13		
P-1	12/11/86	9	1.00	13.00	160.00	.10	290.00	17.01	12.30		
P-1	12/11/86	10	1.04	12.00	160.00	.06	225.00	17.17	13.73		
P-1	12/11/86	11	1.02	13.00	150.00	.09	198.00	17.17	14.37		
P-1	12/11/86	12	1.01	9.00	180.00	.05	163.00	17.15	14.03		
P-1	12/11/86	13	1.06	7.00	170.00	.07	261.00	17.26	14.19		
P-1	12/11/86	14	1.12	9.00	190.00	.02	254.00	17.07	13.96		
P-1	12/11/86	15	1.20	11.00	170.00	.05	320.00	17.12	13.92		
P-1	12/11/86	16	1.30	10.00	170.00	.11	342.00	16.89	12.53		
P-1	12/11/86	17	1.39	12.00	170.00	.06	320.00	17.61	12.37		
P-1	12/11/86	18	1.51	10.00	170.00	.02	283.00	16.89	13.34		
P-1	12/11/86	19	1.59	8.00	190.00	.04	209.00	16.91	13.62		
P-1	12/11/86	20	1.63	7.00	200.00	.05	216.00	16.23	12.61		
P-1	12/11/86	21	1.68	5.00	210.00	.07	110.00	16.20	11.19		
P-1	12/11/86	22	1.73	4.00	200.00	.04	134.00	16.65	11.36		
P-1	12/11/86	23	1.74	5.00	190.00	.03	169.00	15.51	9.29		
P-1	12/11/86	24	1.70	5.00	170.00	.01	235.00	15.44	8.34		
P-1	12/12/86	1	1.60	4.00	180.00	.03	263.00	15.66	9.17		
P-1	12/12/86	2	1.52	8.00	170.00	.03	272.00	15.81	10.17		
P-1	12/12/86	3	1.45	4.00	190.00	.04	11.00	15.83	9.88		
P-1	12/12/86	4	1.36	7.00	160.00	.02	24.00	16.04	10.03		
P-1	12/12/86	5	1.29	9.00	160.00	.04	269.00	16.22	10.68		
P-1	12/12/86	6	1.20	11.00	150.00	.07	276.00	16.84	12.82		
P-1	12/12/86	7	1.11	7.00	150.00	.09	268.00	17.28	15.21		
P-1	12/12/86	8	1.05	6.00	150.00	.07	274.00	16.89	13.82		
P-1	12/12/86	9	.98	9.00	120.00	.09	268.00	17.08	15.15		
P-1	12/12/86	10	.90	10.00	140.00	.12	292.00	16.85	15.16		
P-1	12/12/86	11	.89	15.00	140.00	.12	167.00	16.87	15.97		
P-1	12/12/86	12	.88	20.00	160.00	.09	184.00	16.79	16.19		
P-1	12/12/86	13	.81	15.00	170.00	.16	153.00	16.98	16.79		
P-1	12/12/86	14	.78	15.00	150.00	.11	105.00	16.78	15.22		

PRELIMINARY - SUBJECT
TO REVISION

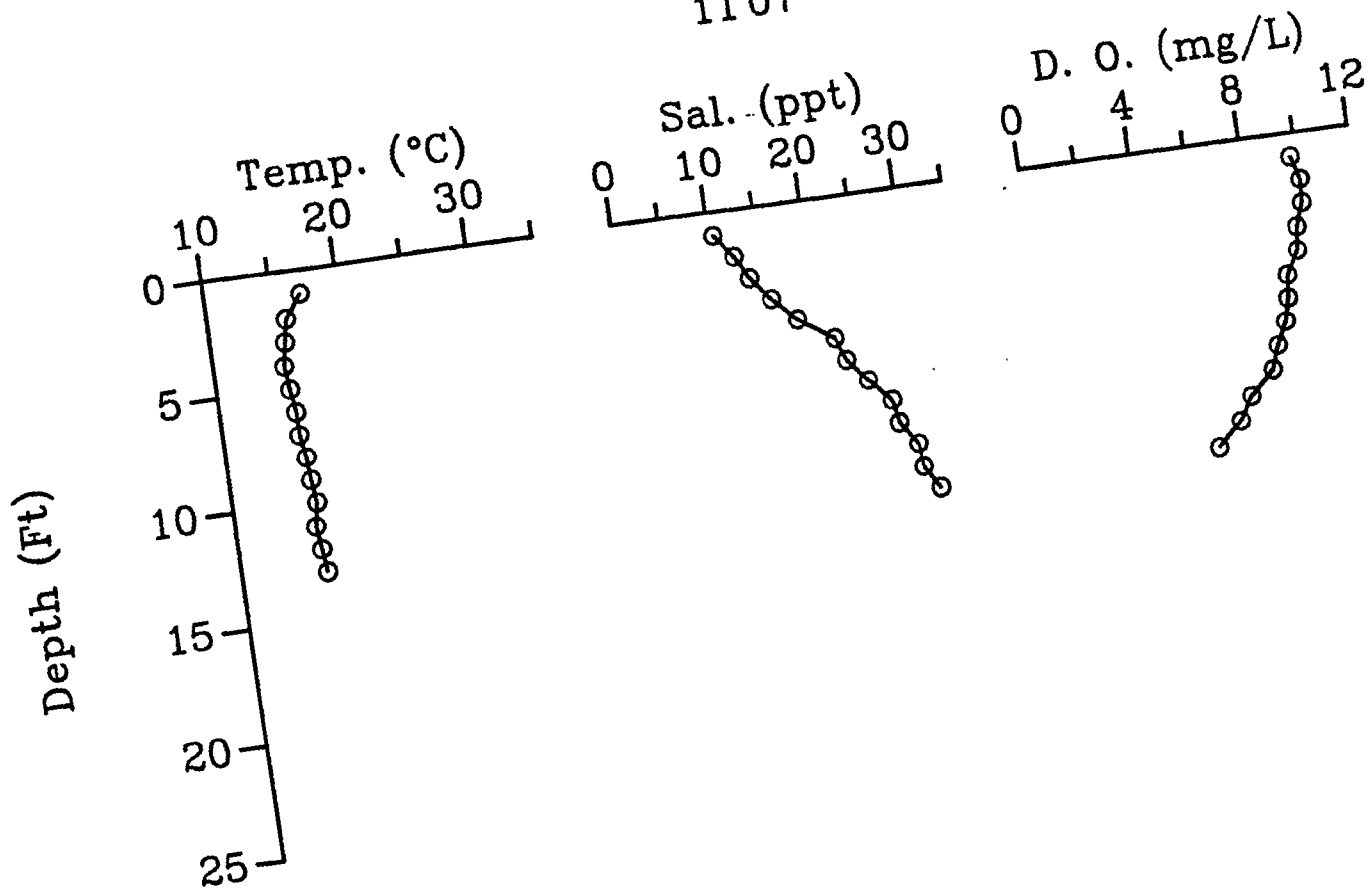
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-17
12/09/86
1040



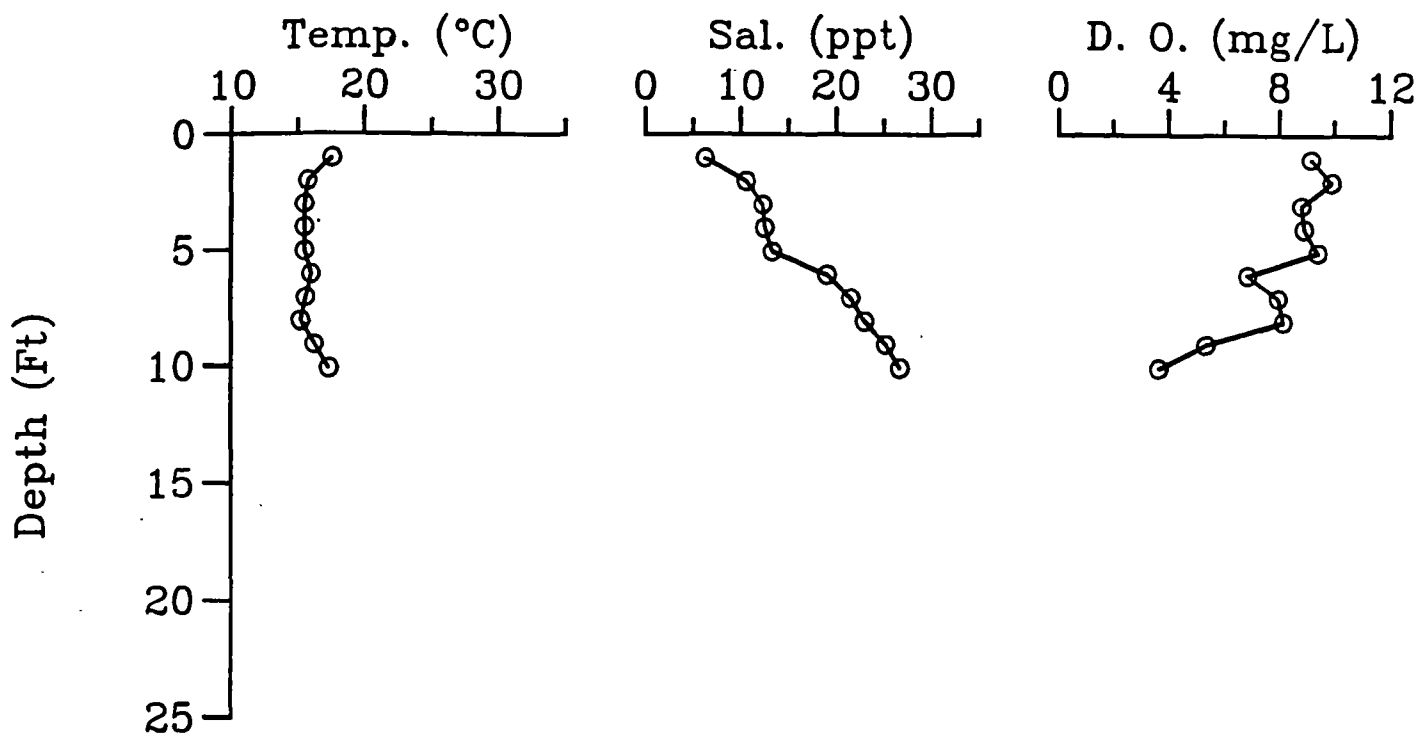
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-16
12/09/86
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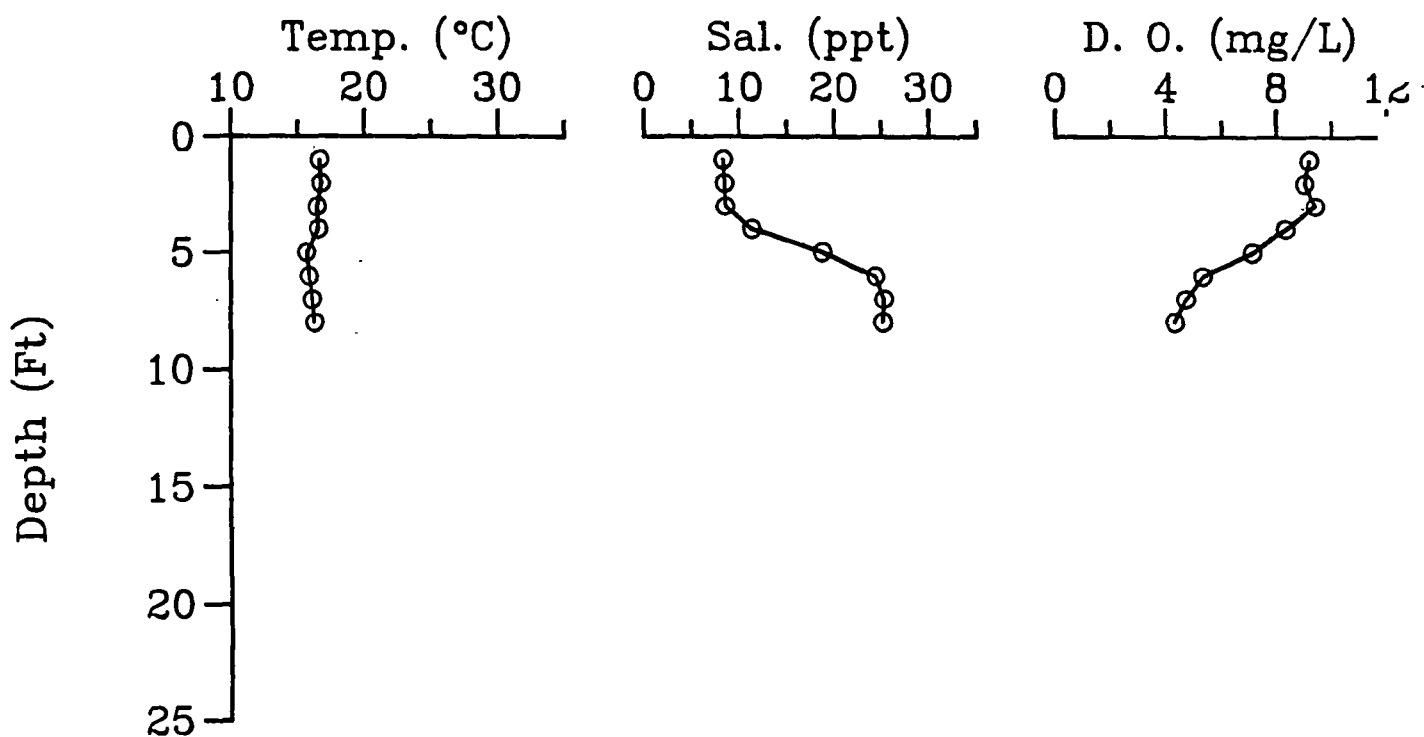
PHIL MINNEY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-15
12/09/86
11 30



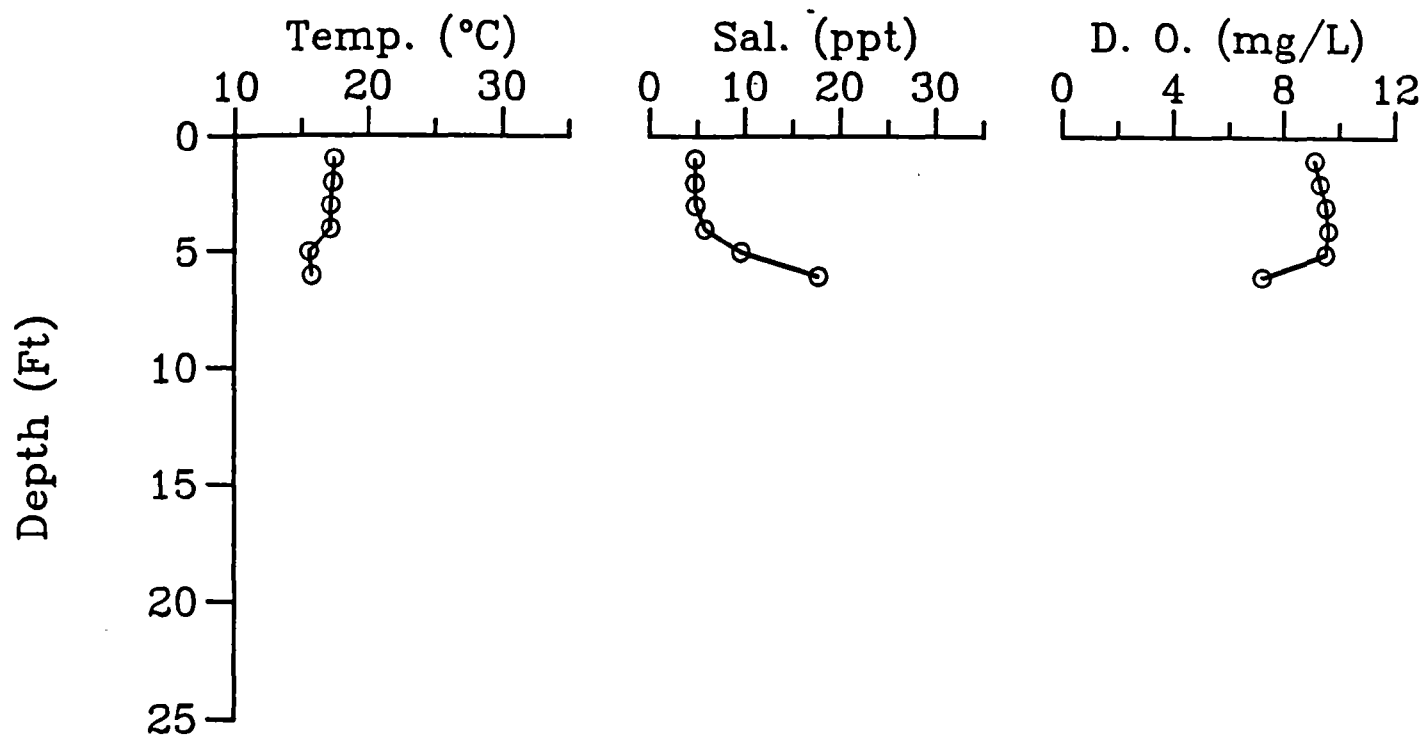
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-15
12/10/86
-1640



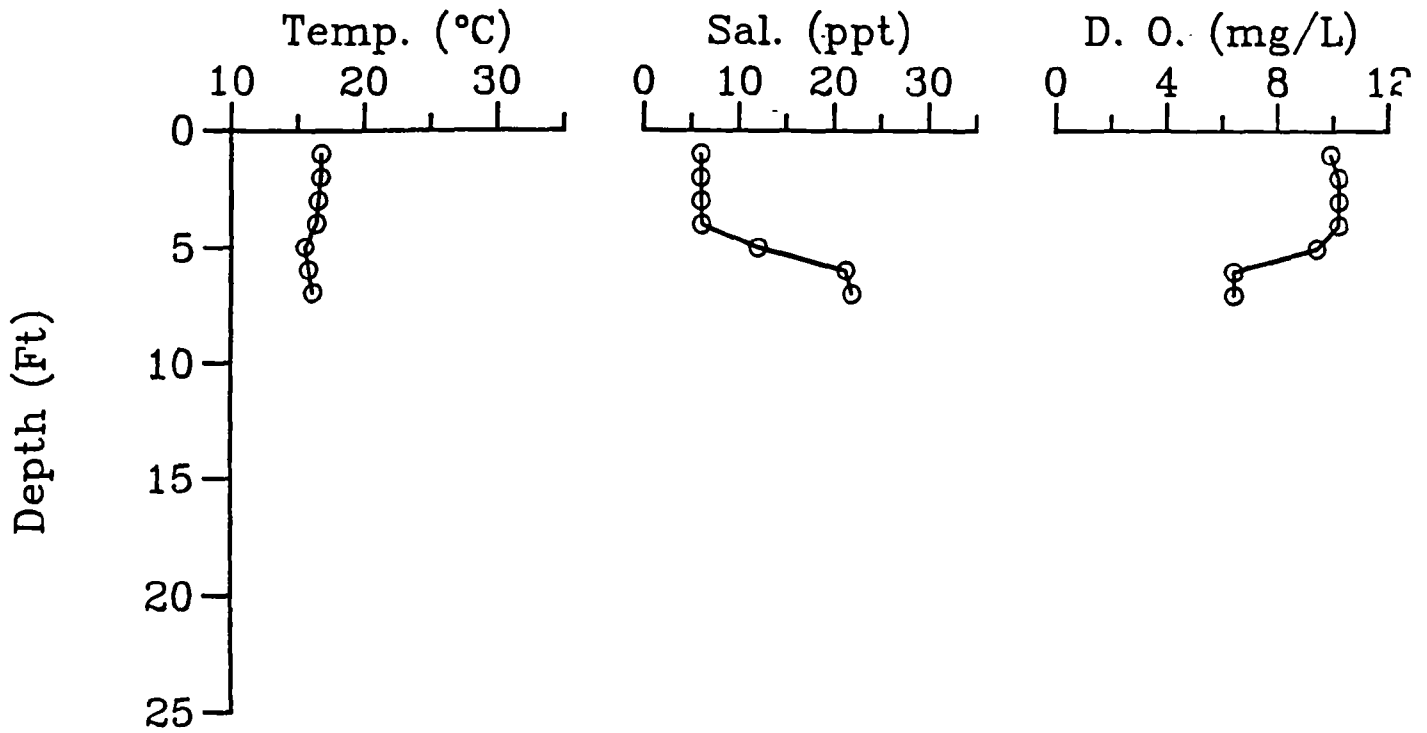
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14
12/10/86
1625



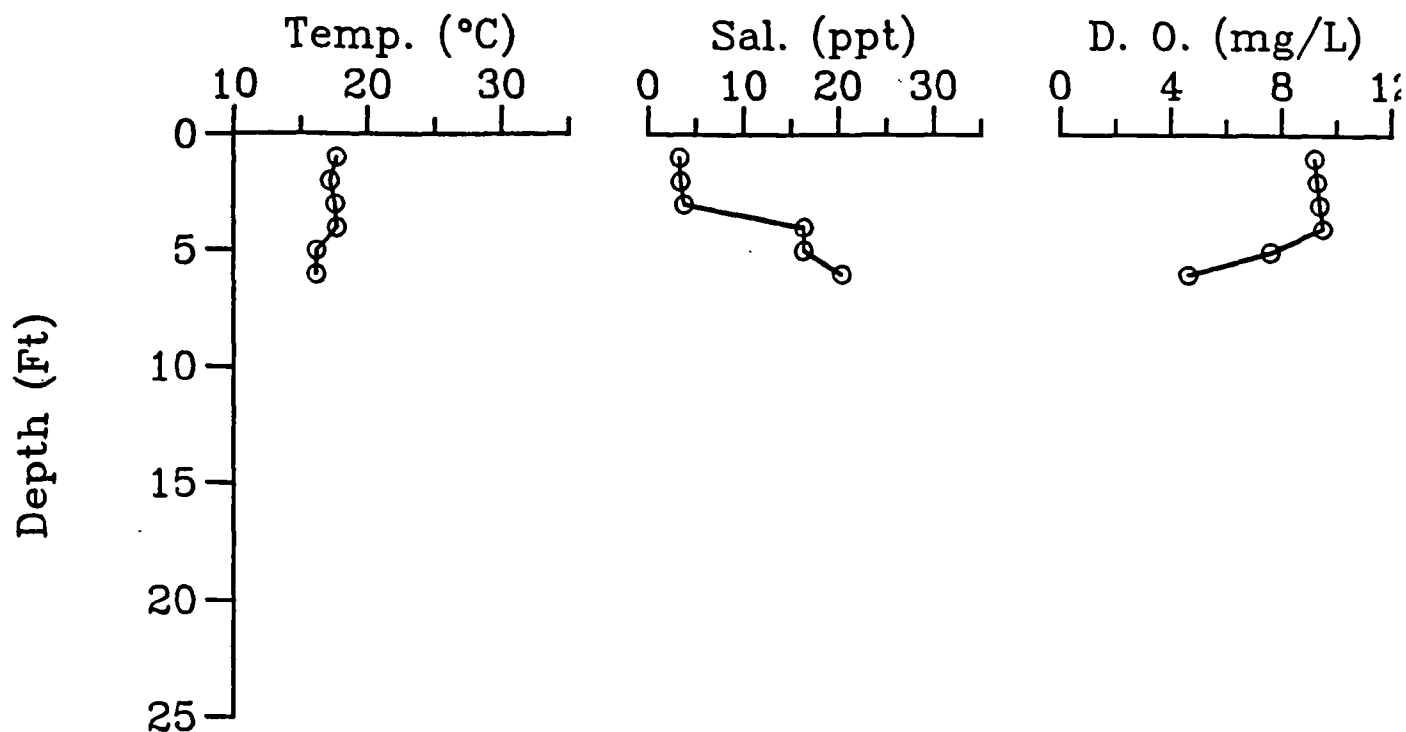
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14
12/09/86
1200



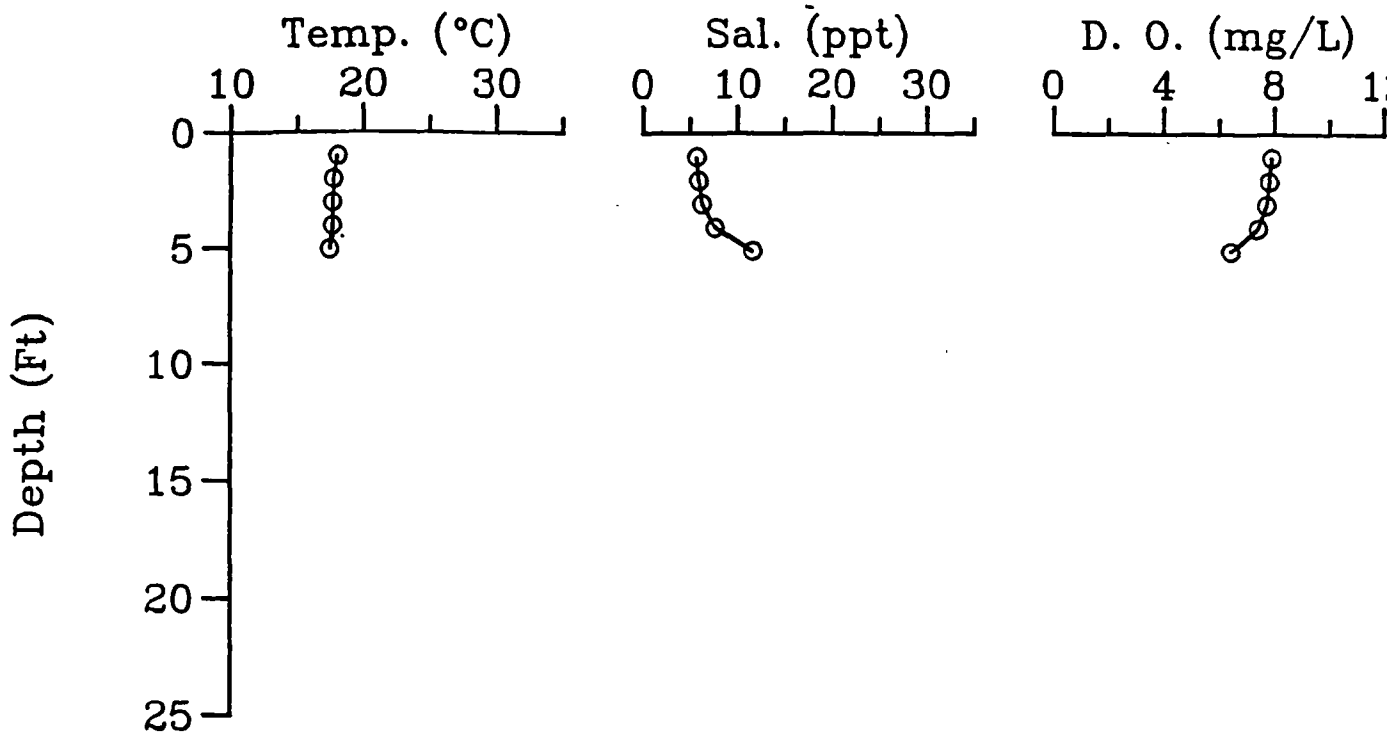
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-13
12/10/86
1605



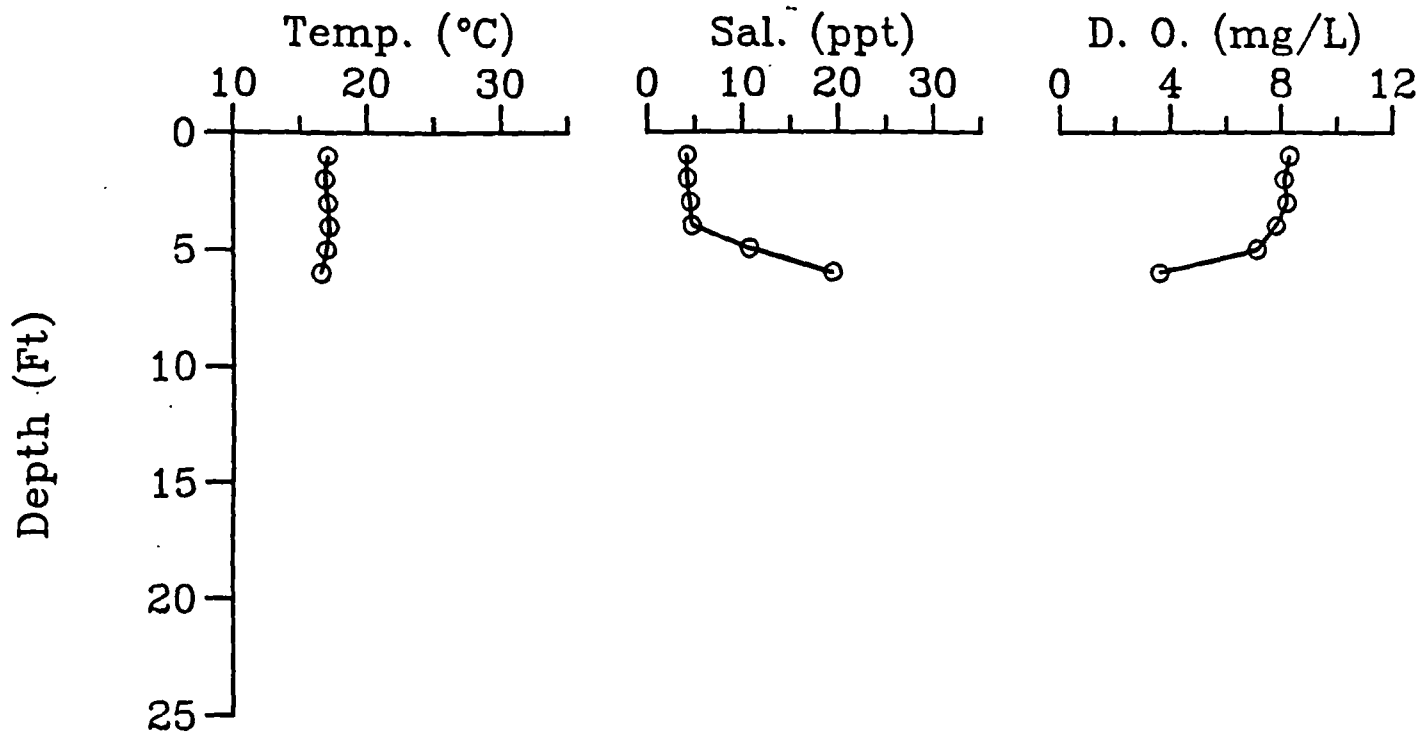
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-12
12/10/86
1527



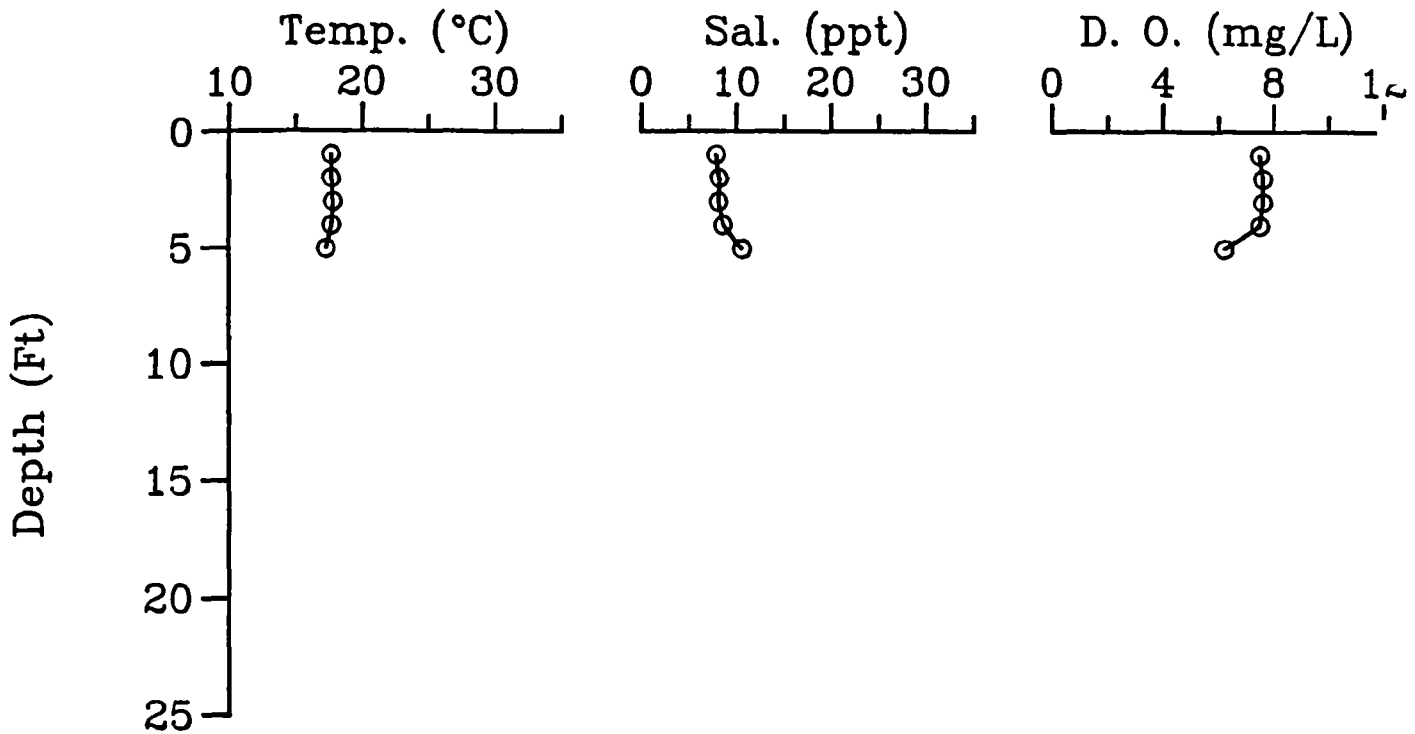
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11
12/10/86
15 50



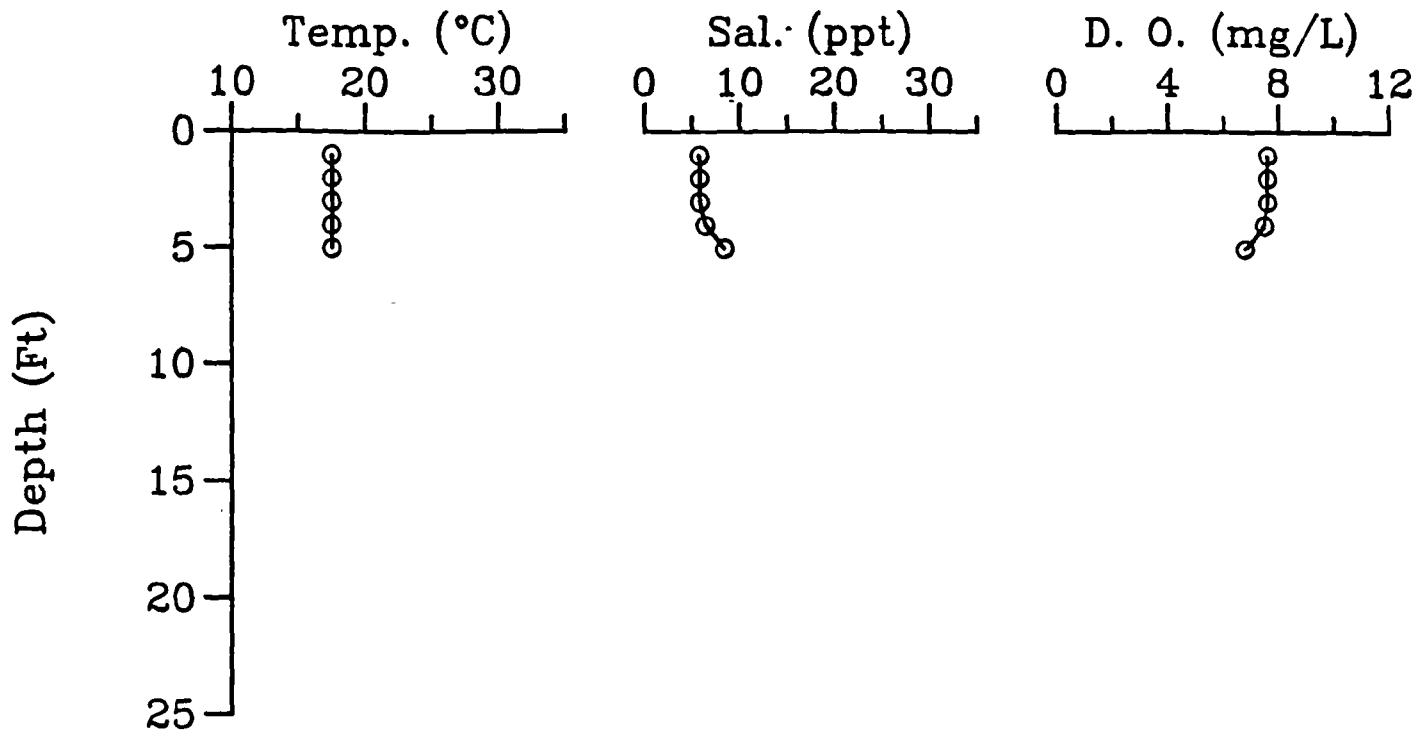
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-9
12/10/86
1505



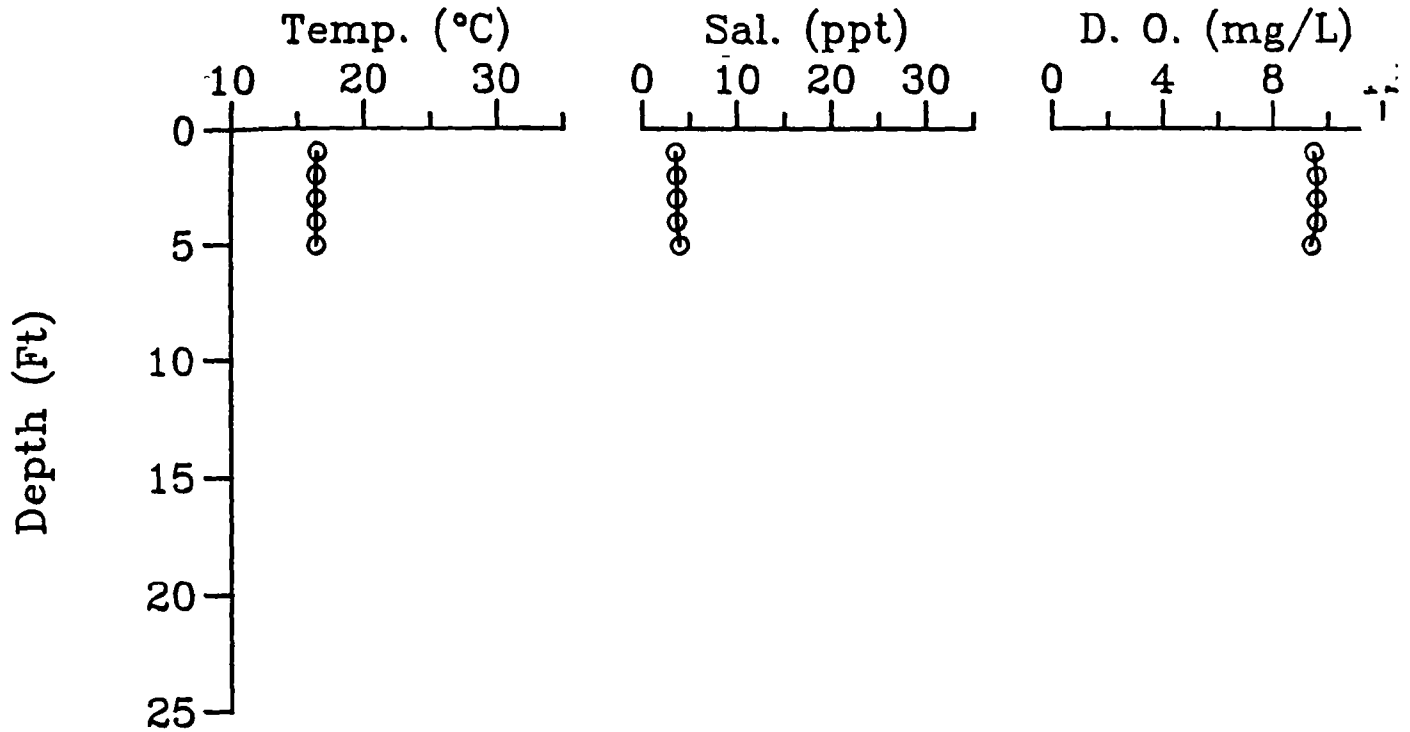
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8
12/10/86
1407



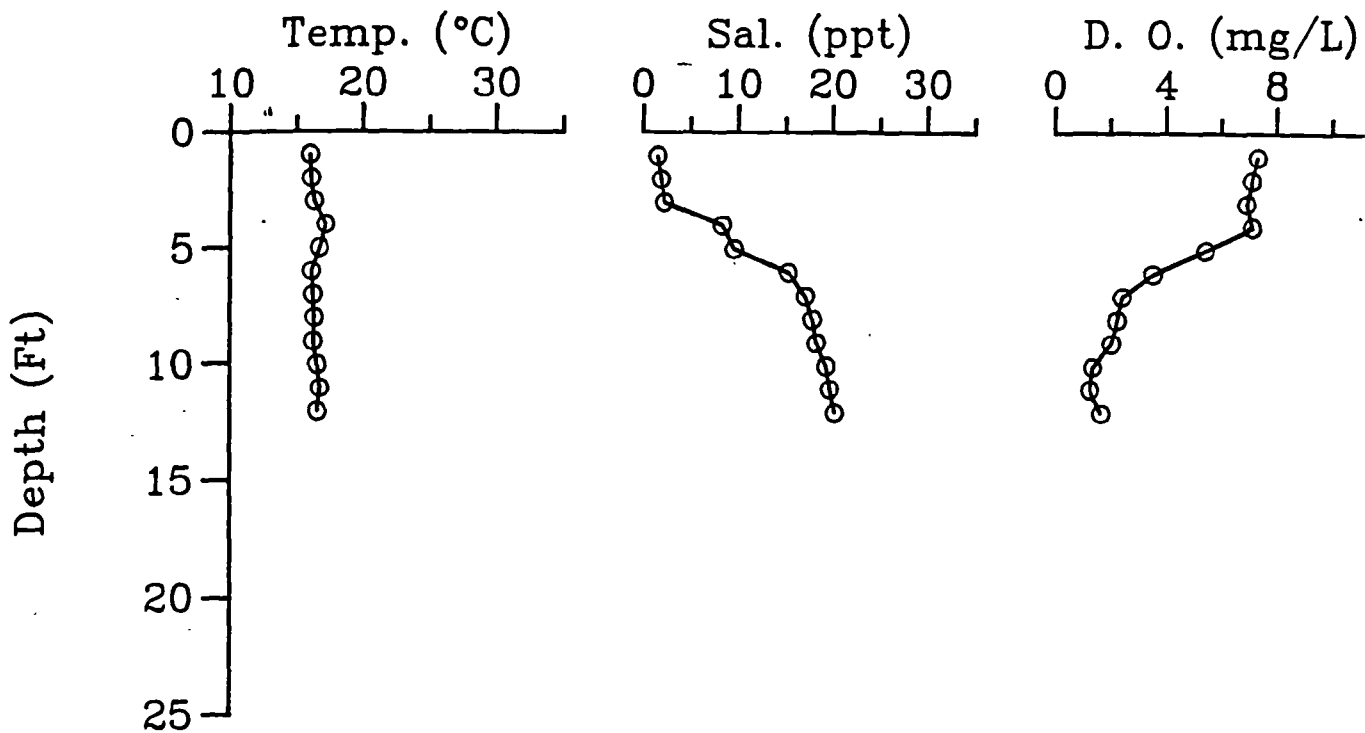
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8
12/09/86
1250



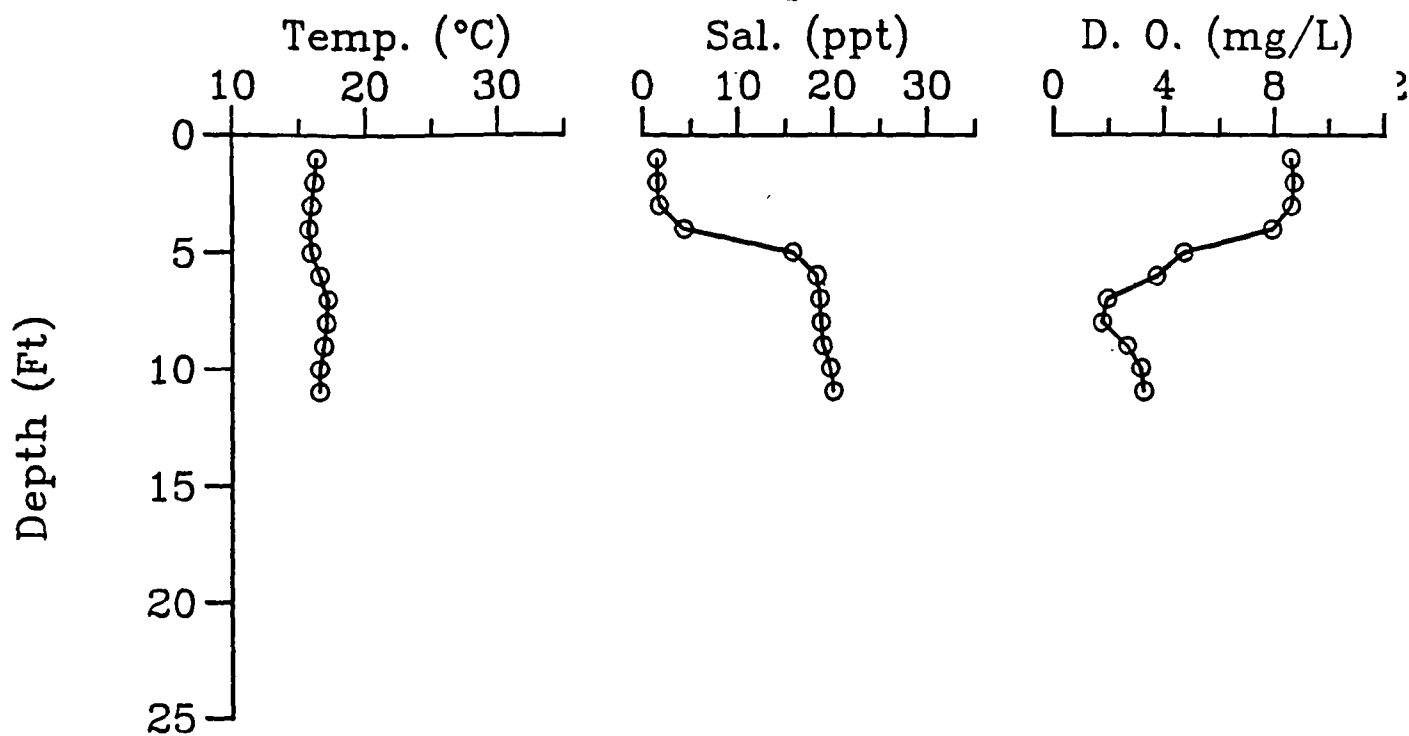
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7
12/10/86
1347



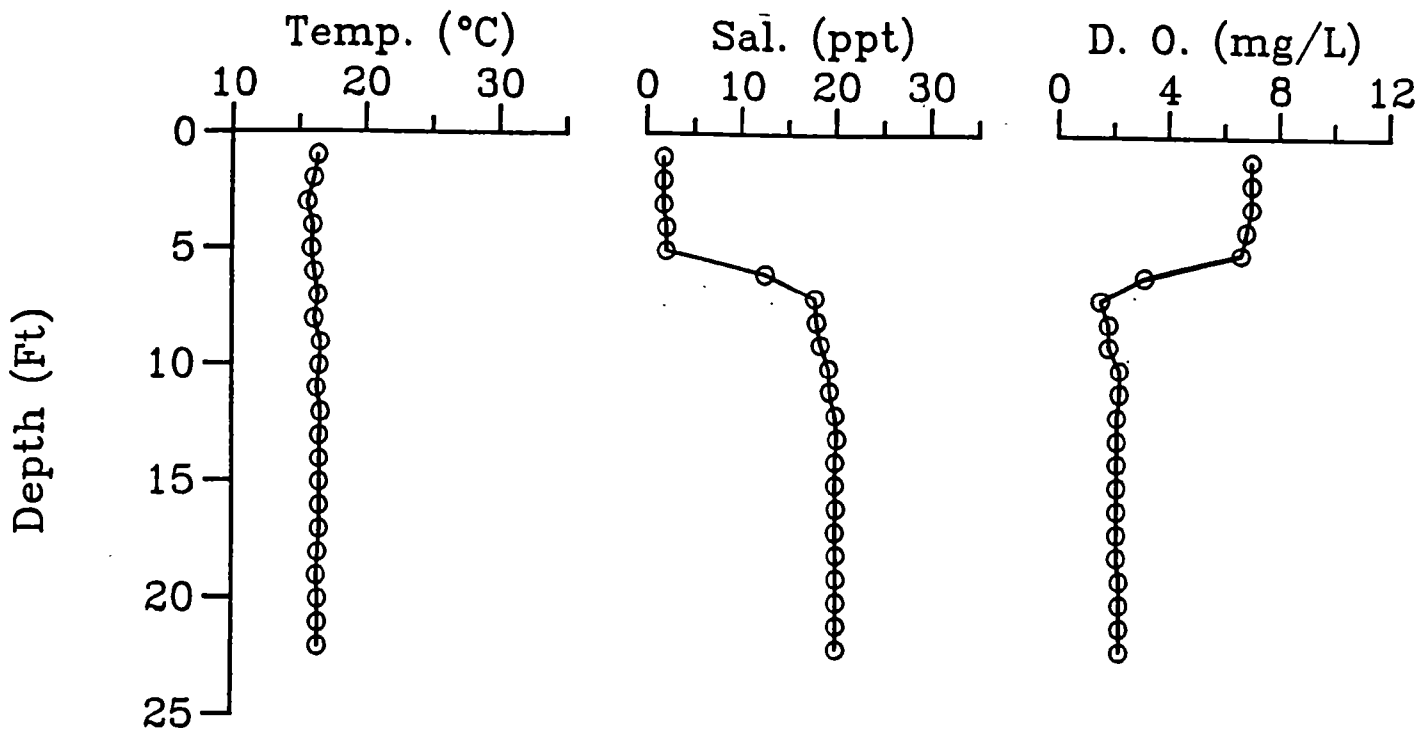
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7
12/09/86
1345



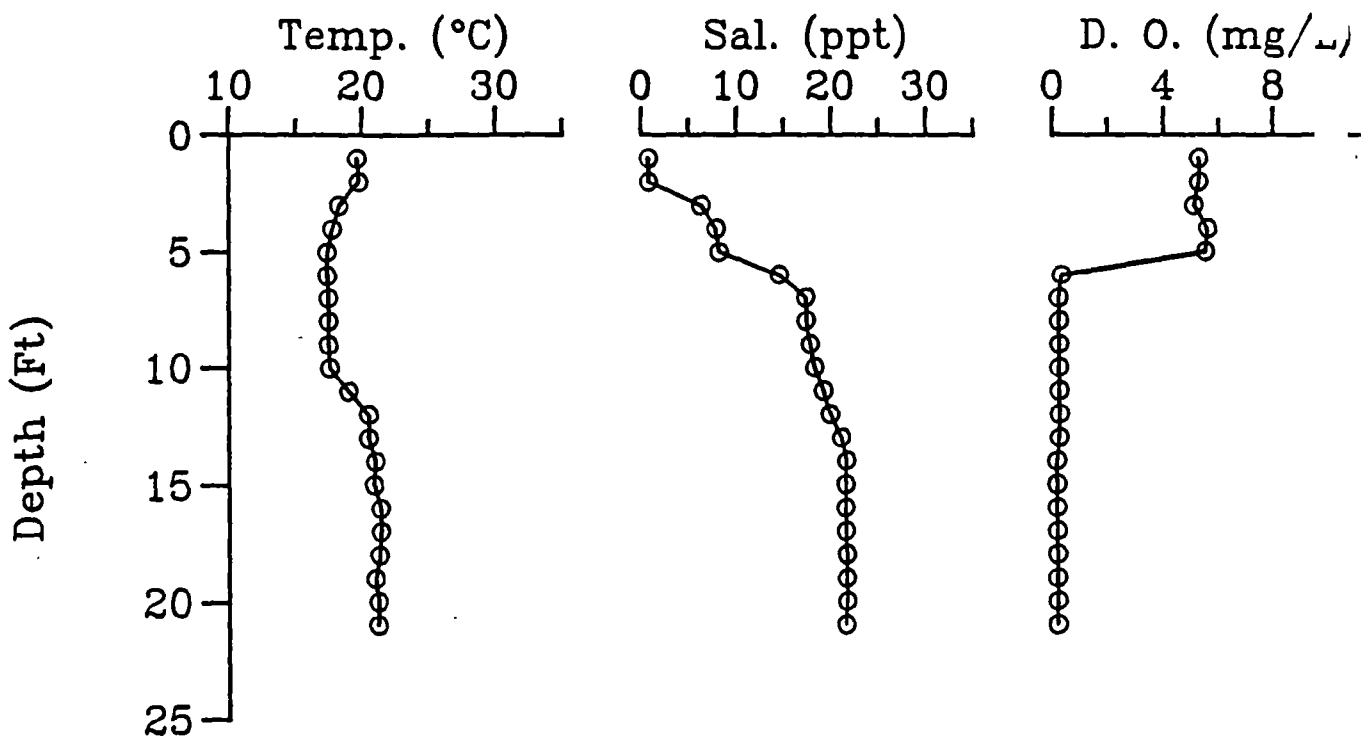
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-6
12/10/86
1325



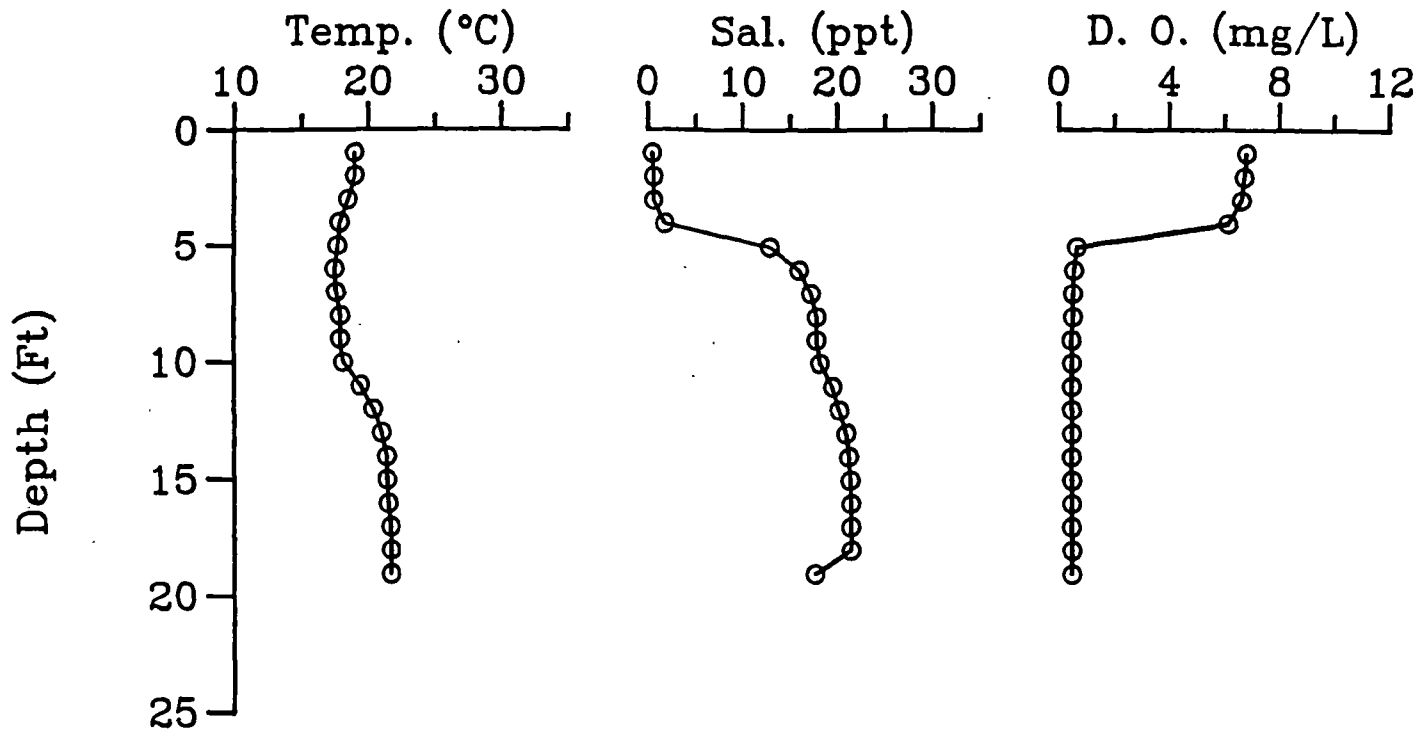
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-4
12/10/86
-1245



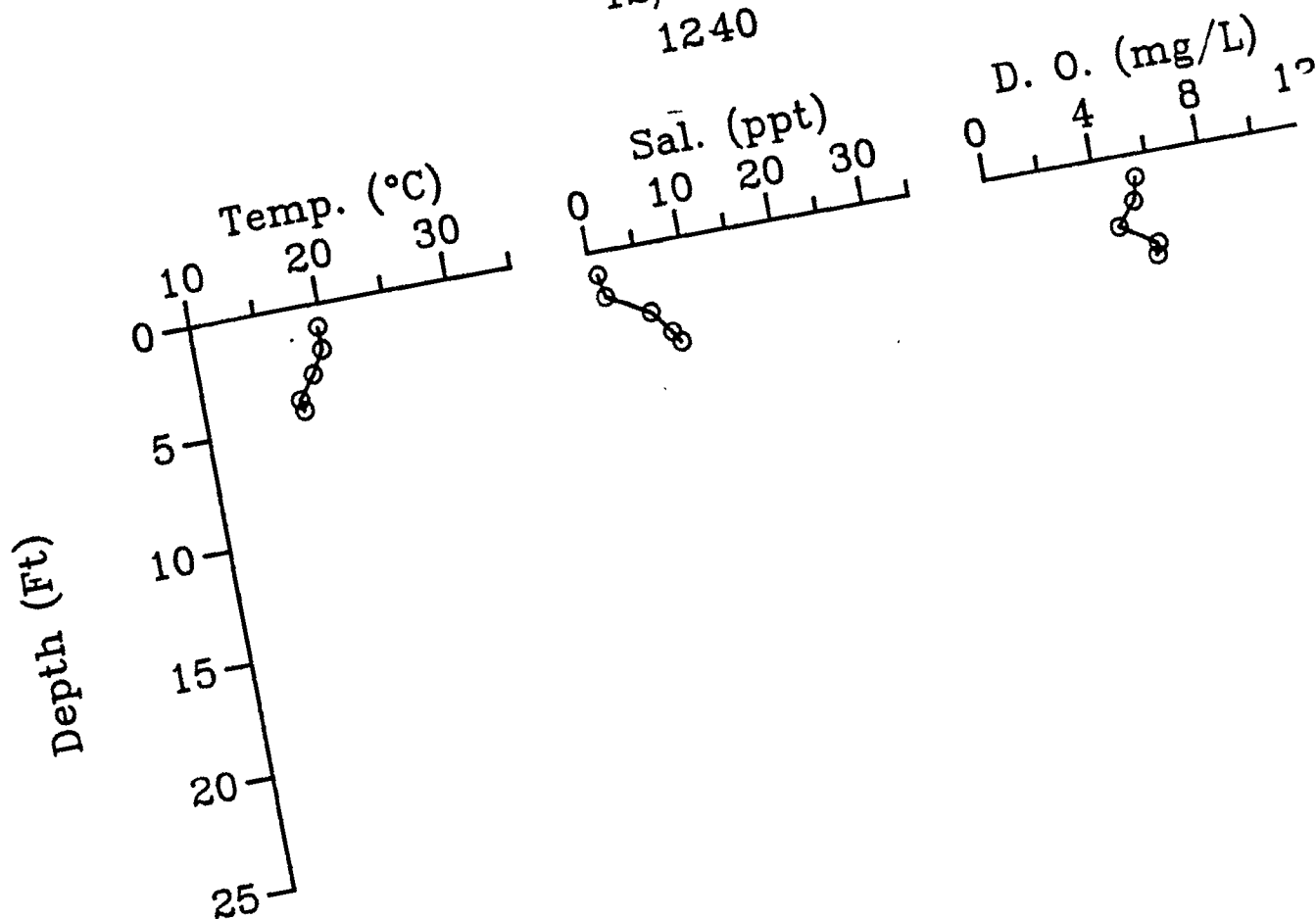
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-4
12/09/86
15:15



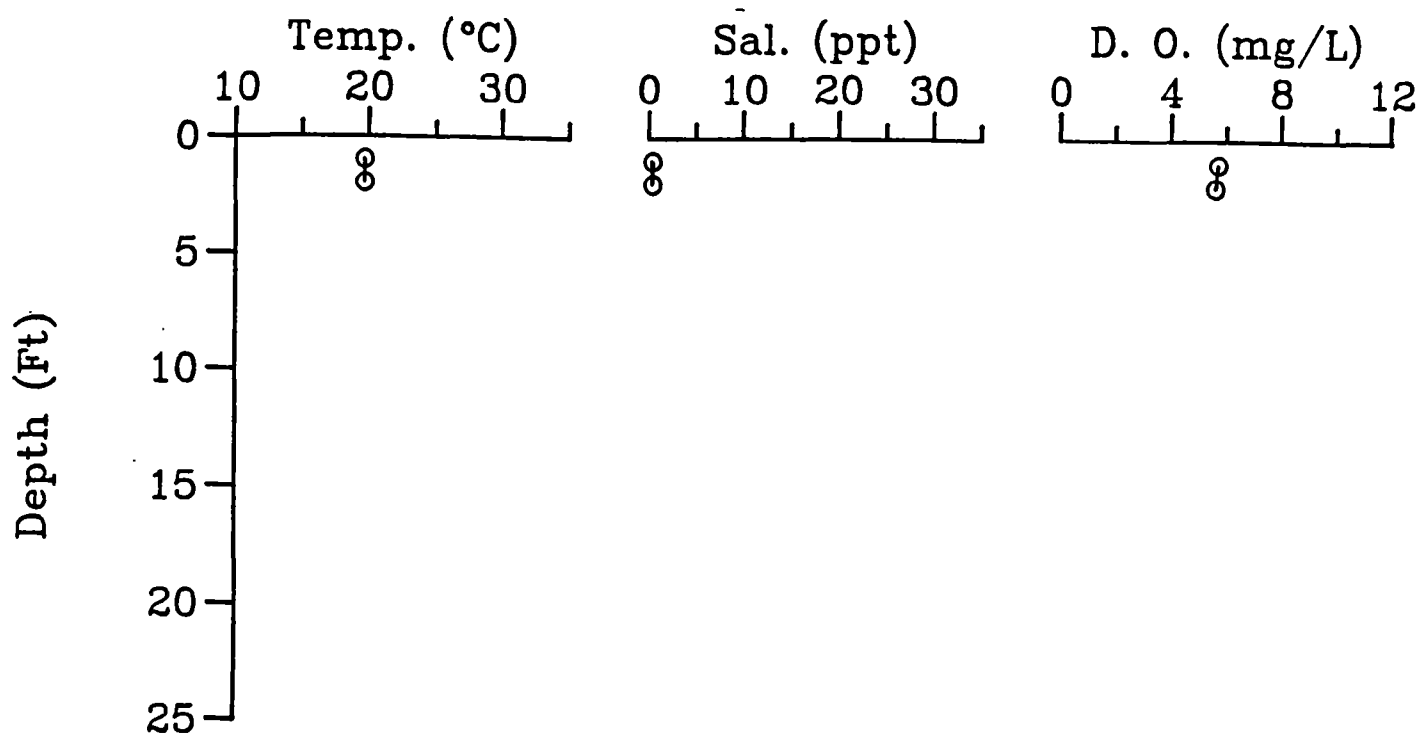
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-3
12/10/86
1240



PRELIMINARY-SUBJECT
TO REVISION

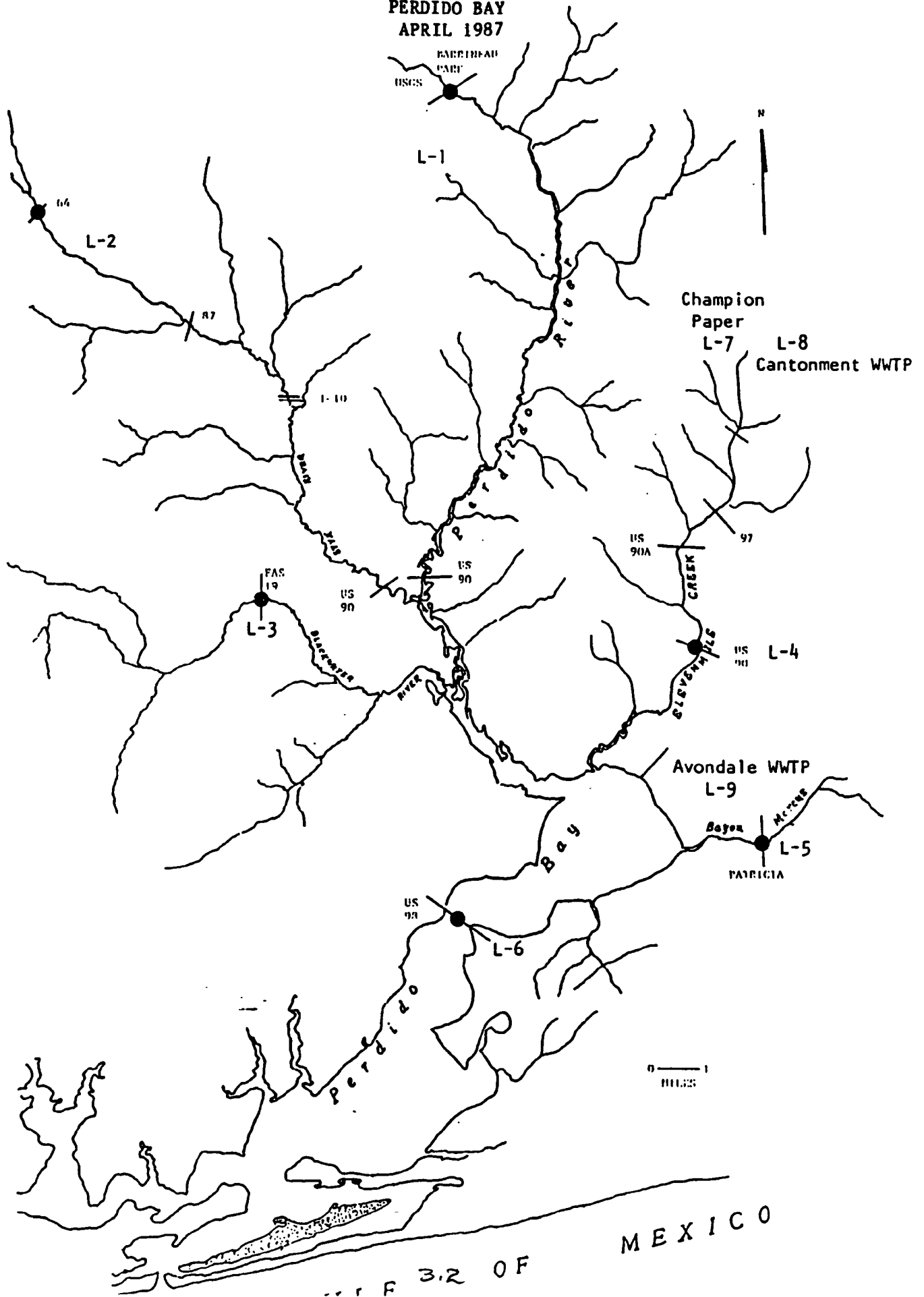
FIGURE
D S T PROFILES
STATION C-2
12/10/86
1220



(Blank)
2.38

SURVEY # 2
APRIL 1987

FIGURE 3
WATER QUALITY
MONITORING STATIONS
PERDIDO BAY
APRIL 1987



PRELIMINARY-SUBJECT
TO REVISION

Table

Station Location
for
Basinwide Monitoring

<u>Station No.</u>	<u>Station Description</u>	<u>Gage Location</u>
L-1	Perdido River at Barineau Park	USGS gage
L-2	Styx River at Hwy 64 bridge	Staff gage - RbLU 5 yards upstream
L-3	Blackwater River at FAS 19 bridge	Staff gage - RbLU 30 yards downstream on tree
L-4	Eleven Mile Creek at US 90 bridge	Staff gage - RbLU 60 yards downstream on tree
L-5	Bayou Marcus at Patricia Drive	Staff gage on downstream side of pipeline post
L-6	US Highway 98 ast Perdido Bay	Staff gage - dock Kits Marina
L-7	Champion Effluent at Parshall Flume	ISCO Flow Monitoring
L-8	Cantonment WWTP at Effluent Weir	Facility Flow Measurement
L-9	Avondale WWTP at Effluent WEIR	Facility Flow Measurement

**PRELIMINARY-SUBJECT
TO REVISION**

PERDIDO BAY BASINWIDE LOADING
ALABAMA-FLORIDA
APRIL, 1987

STATION	DESCRIPTION	DATE	FLOW		NH3-N			TKN			NO2-NO3			TOTAL-P			TSS			TOC		
			CFS	%	MG/L	LB/DAY	%	MG/L	LB/DAY	%	MG/L	LB/DAY	%	MG/L	LB/DAY	%	MG/L	LB/DAY	%	MG/L	LB/DAY	%
L-1	PERDIDO R.	APRIL 7	713.0	58	0.06	230	27	0.38	1460	47	0.14	538	31	0.02	77	31				3.60	13829	44
		APRIL 8	634.0	57	0.06	205	23	0.77	2630	58	0.24	820	33	0.02	68	26	7.00	23910	64	1.70	5807	24
L-2	STYX R.	APRIL 7	263.0	21	0.11	156	18	0.17	241	8	0.05	71	4	0.02	28	12				1.90	2692	9
		APRIL 8	234.0	21	0.17	214	24	0.23	290	6	0.05	63	3	0.02	25	10	2.00	2521	7	1.40	1765	7
L-3	BLACKWATER R.	APRIL 7	163.0	13	0.08	70	8	0.33	290	9	1.10	966	55	0.02	18	7				1.40	1229	4
		APRIL 8	146.0	13	0.09	71	8	0.33	260	6	1.40	1101	45	0.02	16	6	1.00	787	2	1.00	787	3
L-4	ELEVEN MILE C.	APRIL 7	67.3	5	0.99	359	42	3.00	1088	35	0.17	62	4	0.27	98	40				37.00	13416	43
		APRIL 8	75.9	7	0.94	384	42	3.00	1227	27	0.39	364	15	0.31	127	49	24.00	9814	26	39.00	15948	65
L-5	BAYOU MARCUS	APRIL 7	17.0	1	0.14	13	2	0.16	15	0	0.68	62	4	0.02	2	1				1.90	174	1
		APRIL 8	17.0	2	0.15	14	2	0.73	67	1	0.64	59	2	0.02	2	1	1.00	92	0	1.10	101	0
L-9	AVONDALE WWT	APRIL 8	0.8	0	5.20	22	2	9.60	40	1	11.00	46	2	5.20	22	8	6.00	25	0	11.00	46	0
TOTALS			1224.1	100		850	100	3133	100		1745	100		244	100					31387	100	
TOTALS			1107.7	100		910	100	4514	100		2453	100		260	100		37149	100		24453	100	
L-7	CHAMPION	APRIL 7-8	31.6	3	1.90	323	38	6.00	1021	33	0.10	17	1	0.54	92	38	41.00	6980		97.00	16514	53
		APRIL 8-9	29.6	3	2.00	319	35	5.50	877	19	0.13	21	1	0.30	128	49	39.00	6219	17	93.00	14831	61
L-8	CANTONMENT WWT	APRIL 7	0.0	0	4.80	1	0	10.00	2	0	10.00	2	0	5.70	1	0				38.00	6	0
		APRIL 8	0.0	0	4.30	1	0	6.20	1	0	9.30	2	0	5.60	1	0	14.00	2	0	29.00	5	0

Table
Sediment Characterization
Perdido Bay Study

PRELIMINARY-SUBJECT
TO REVISION

Station	Date	Time	COD	TKN (N)	NH ₃ (N)	ORG (N)	Total P	Ash Free Dry wt.	C:N Ratio
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
C-1	---	---	---	---	---	---	---	9,000	---
C-2	12/10/86	1315	4,100	260	5.9	254	10	4,900	19.3
C-3	12/10/86	1420	99,000	960	26	934	120	40,000	42.8
C-4	12/10/86	1530	340,000	6,300	63	6,237	6,500	230,000	
C-5	12/10/86	1000	<400	24	6	8	7.4	700	87.5
C-6	12/11/86	1030	43,000	1,300	15	1,285	9.0	37,000	28.8
C-7	12/10/86	1230	210,000	6,500	200	6,300	660	78,000	12.3
C-8	12/10/86	0915	180,000	190	10	180	28	11,000	61.1
C-9	12/10/86	1000	81,000	1,900	8.9	1,891	230	26,000	13.7
C-10	4/7/87	1000	71,000	190	19	171	96	*	*
C-11	12/10/86	1050	92,000	690	27	653	660	54,000	82.7
C-12	4/7/87	1045	89,000	200	41	159	160	*	*
C-13	12/10/86	1137	3,100	130	4.2	126	660	4,000	31.7
C-14	4/9/87	1130	160,000	420	35	385	390	*	*
C-15	12/11/86	1130	170,000	4,200	67	4,133	1,600	144,000	34.8
C-16	---	---	---	---	---	---	---	---	---
C-17	12/11/86	1300	110,000	3,300	14	3,286	1,500	108,000	32.8
C-18	4/9/87	1330	1,800	100	5.1	95	5.4	*	*
C-19	4/9/87	1300	2,900	88	7.7	80	8.6	*	*

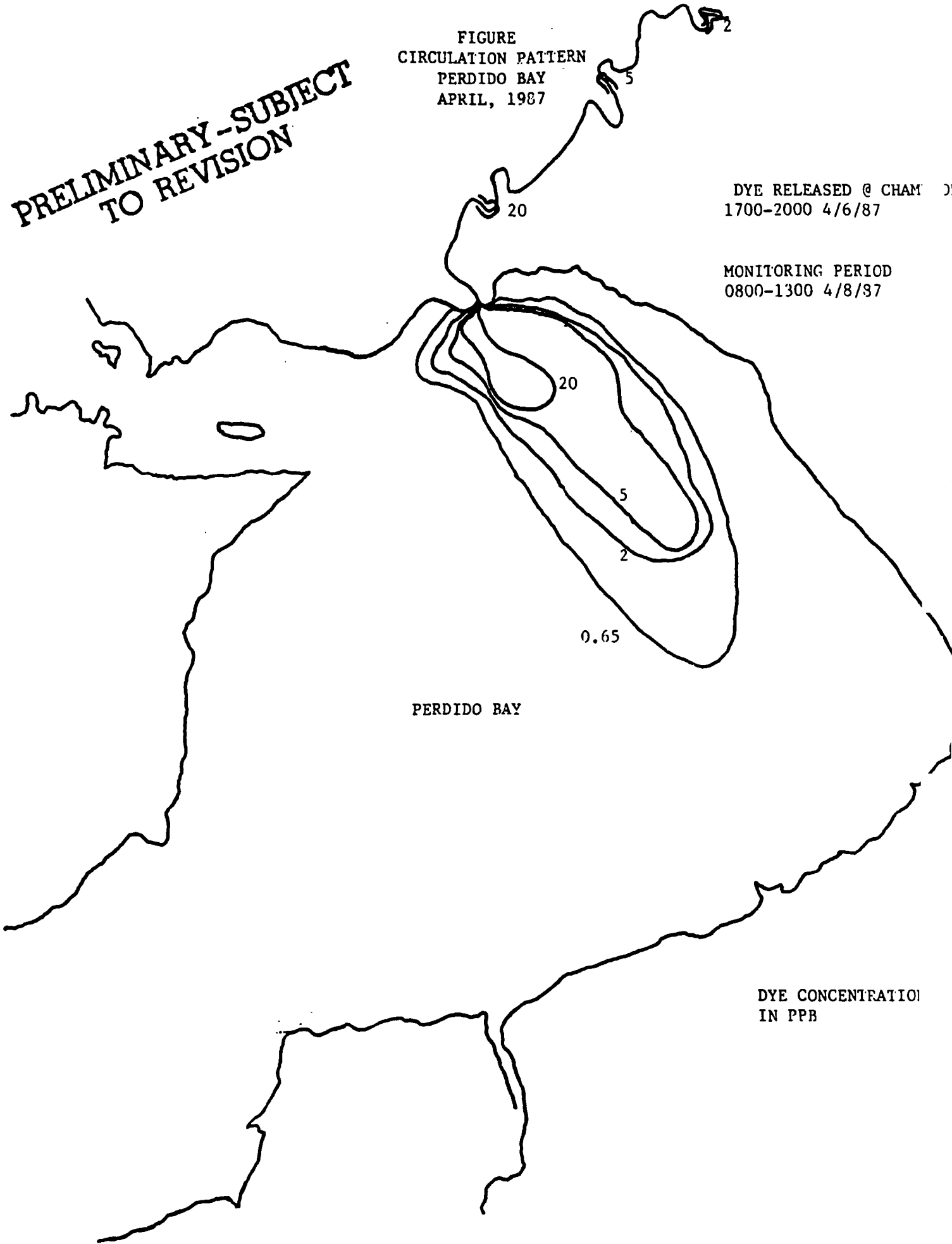
*Data to be reported at a later date.

PRELIMINARY - SUBJECT
TO REVISION

FIGURE
CIRCULATION PATTERN
PERDIDO BAY
APRIL, 1987

DYE RELEASED @ CHAM 01
1700-2000 4/6/87

MONITORING PERIOD
0800-1300 4/8/87



PERDIDO BAY

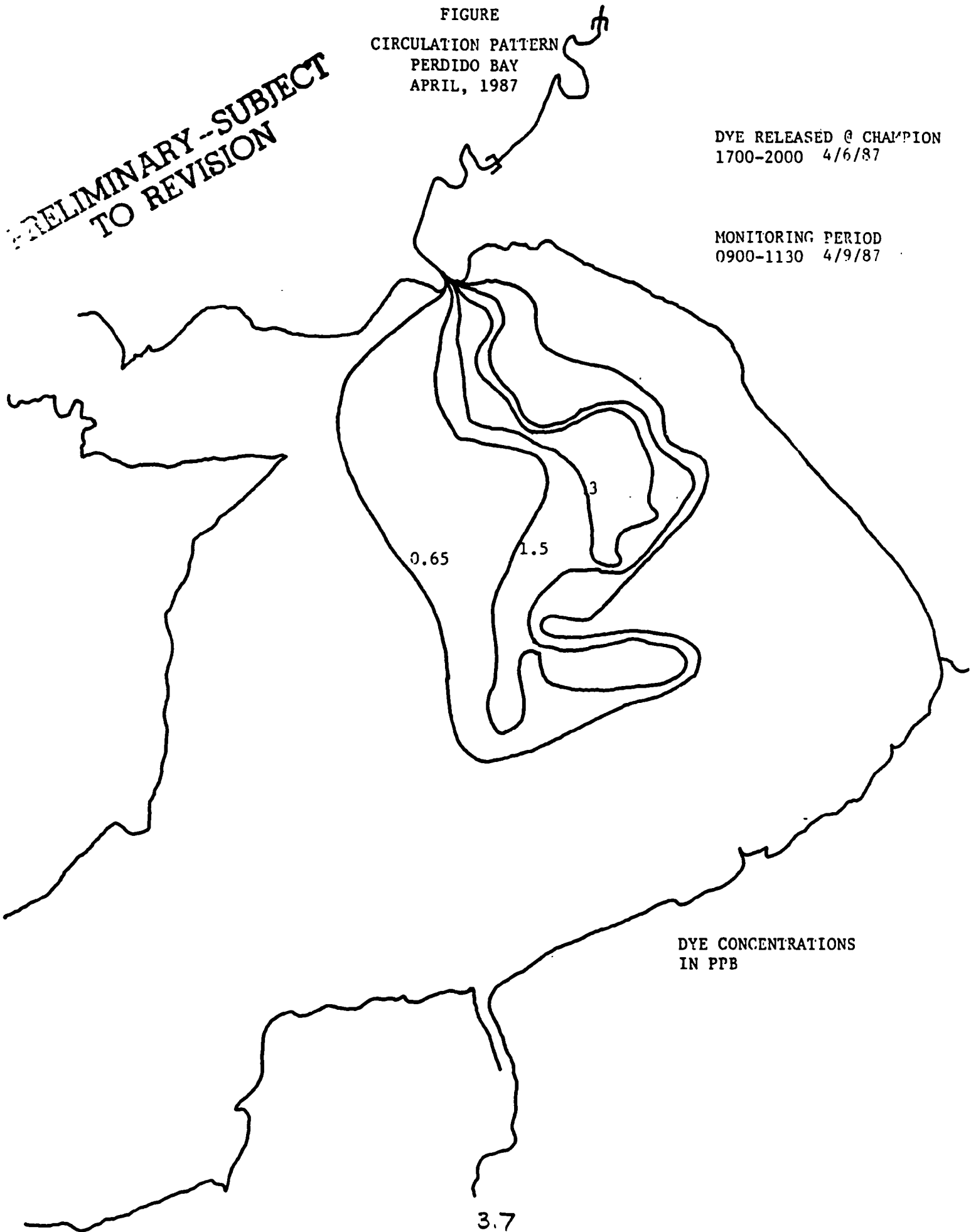
DYE CONCENTRATION
IN PPB

FIGURE
CIRCULATION PATTERN
PERDIDO BAY
APRIL, 1987

PRELIMINARY--SUBJECT
TO REVISION

DYE RELEASED @ CHAMPION
1700-2000 4/6/87

MONITORING PERIOD
0900-1130 4/9/87

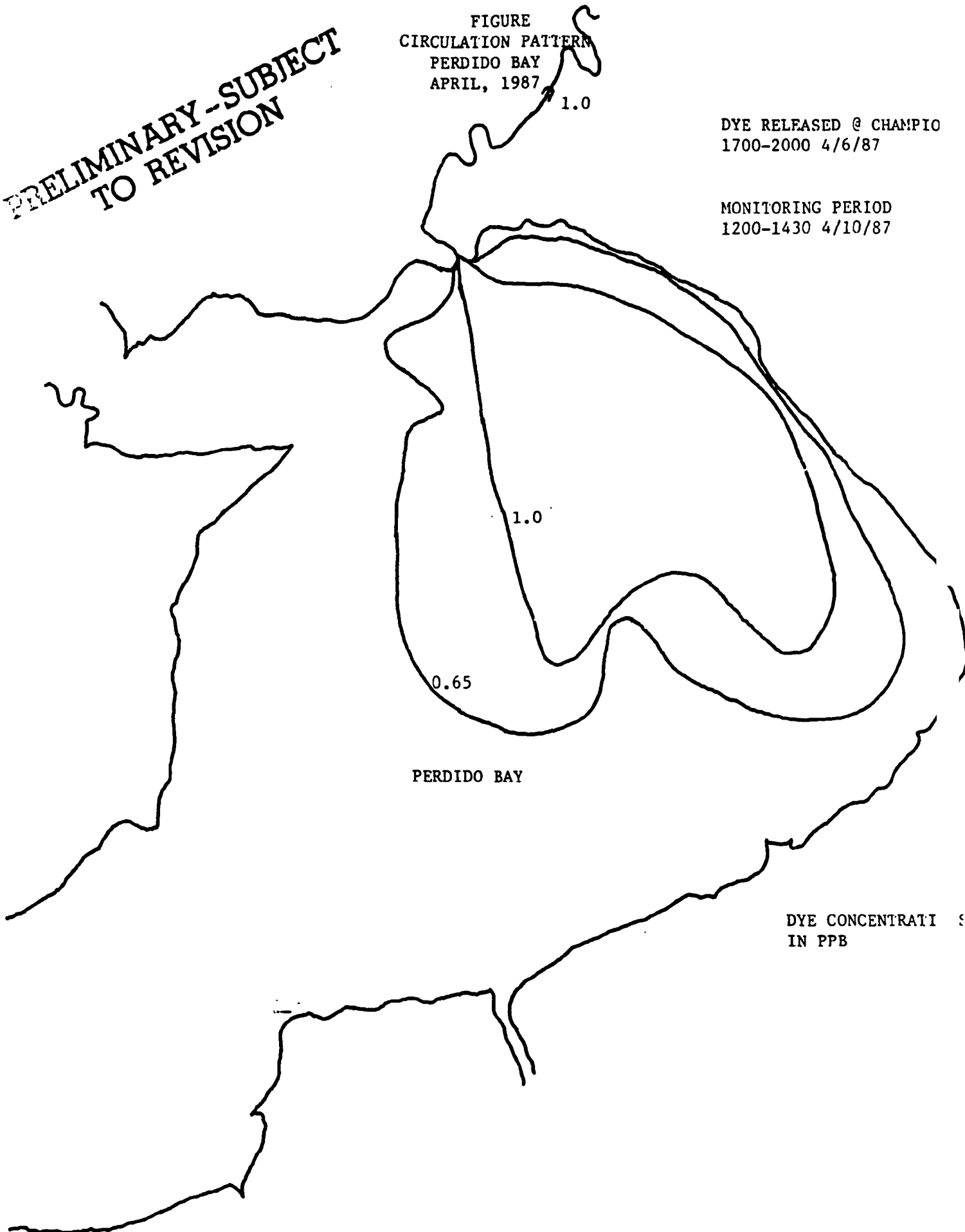


PRELIMINARY - SUBJECT
TO REVISION

FIGURE
CIRCULATION PATTERN
PERDIDO BAY
APRIL, 1987

DYE RELEASED @ CHAMPION
1700-2000 4/6/87

MONITORING PERIOD
1200-1430 4/10/87



DYE CONCENTRATION
IN PPB

PRELIMINARY--SUBJECT TO REVISION

Table ____ . Sediment Oxygen Demand (SOD) Rates (Replicate and Mean), Perdido Bay Study.
April, 1987.

Station	Rep	Avg. Rate of Change (mg/L/min)	Adjusted Avg.* (mg/L/min)	Rep. SOD (g O ₂ /m ² /hr)	Mean SOD (g O ₂ /m ² /hr)	Water Column R (mg/L/min)	Chamber DO Range Initial/Final	Average Water Temp (°C)
C-2	1	0.00503	0.00420	0.061	0.063	0.00083	5.65-5.025	18.7
	2	0.00531	0.00448	0.065			5.625-4.975	
	3	0.00461	0.00378	0.055			5.60-5.05	
	4	0.00558	0.00475	0.069			5.60-4.90	
C-6.5	1	0.00667	0.00624	0.090	0.082	0.00043	1.5-1.1	16.8
	2	0.00661	0.00618	0.089			2.7-2.1	
	3	0.00673	0.00630	0.091			2.475-1.875	
	4	0.00562	0.00519	0.075			3.175-2.75	
	5	0.00500	0.00457	0.066			2.825-2.45	
C-8	1	0.00351	0.00297	0.043	0.038	0.00054	9.0-8.65	16.7
	2	0.00317	0.00263	0.038			8.875-8.525	
	3	0.00329	0.00275	0.040			8.875-8.525	
	4	0.00280	0.00226	0.033			9.025-8.725	
	5	0.00319	0.00265	0.038			8.9-8.575	
C-9	1	0.00323	0.00263	0.038	0.042	0.00060	9.7-9.35	18.0
	2	0.00347	0.00287	0.041			9.8-9.35	
	3	0.00370	0.00310	0.045			9.475-9.075	
	4	0.00336	0.00276	0.040			9.875-9.425	
	5	0.00364	0.00304	0.044			9.925-9.45	
C-10	1	0.00439	0.00399	0.058	0.040	0.00040	7.8-7.175	16.2
	2	0.00265	0.00225	0.032			8.5-8.075	
	3	0.00288	0.00248	0.036			9.225-8.8	
	4	0.00286	0.00246	0.036			8.75-8.325	
	5	0.00302	0.00262	0.038			8.85-8.375	

*Represents average rate of change in chamber minus water column respiration.

PRELIMINARY-SUBJECT TO REVISION

Table _____. (Cont'd). SOD, Perdido Bay Study, April 1987.

Station	Rep	Avg. Rate of Change (mg/L/min)	Adjusted Avg.* (mg/L/min)	Rep. SOD (g O ₂ /m ² /hr)	Mean SOD (g O ₂ /m ² /hr)	Water Column R (mg/L/min)	Chamber DO Range Initial/Final	Average Water Temp (°C)
C-12	1	0.00300	0.00256	0.037	0.040	0.00044	9.775-9.40	16.8
	2	0.00317	0.00273	0.039			9.55-9.15	
	4	0.00331	0.00287	0.041			9.675-9.275	
	5	0.00333	0.00289	0.042			9.525-9.125	
C-13	1	0.01506	0.01480	0.214	0.160	0.00026	9.25-7.45	16.3
	2	0.00829	0.00803	0.116			9.6-8.6	
	3	0.00655	0.00629	0.091			9.55-8.7	
	4	0.01315	0.01289	0.186			9.825-8.275	
	5	0.01379	0.01353	0.195			9.65-7.975	
C-14	1	0.00436	0.00297	0.043	0.043	0.00139	10.6-9.95	16.0
	2	0.00388	0.00249	0.036			9.95-9.40	
	3	0.00412	0.00412	0.039			10.2-9.6	
	4	0.00511	0.00372	0.054			10.6-9.9	
C-16	1	0.00333	0.00260	0.038	0.041	0.00073	7.4-7.05	16.5
	2	0.00395	0.00322	0.046			7.6-7.2	
	3	0.00319	0.00246	0.036			7.6-7.275	
	4	0.00379	0.00306	0.044			7.7-7.35	

*Represents average rate of change in chamber minus water column respiration.

PRELIMINARY-SUBJECT
TO REVISION

FIGURE
HYDRODYNAMIC RESULTS
STATION C-12
APRIL 1987

Tidal Stage

feet
2.0
1.5
1.0
0.5
0.0



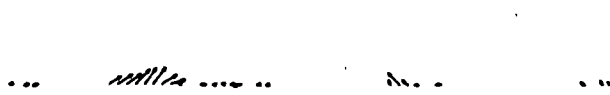
Wind Speed

knots
20
10
0



Current

knots
0.4
0.2
0.0



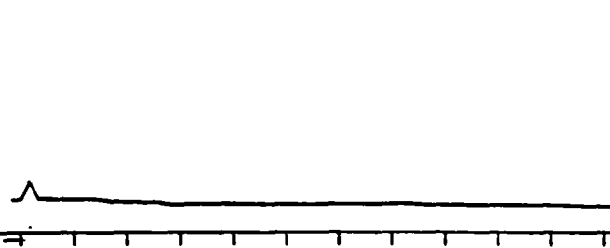
Temperature

°C
30
20
10



Salinity

ppt
20
10
0



12 AM 12 PM 12 AM 12 PM 12 AM 12 PM 12 AM 12 PM 12 AM
4/ 7/87 4/ 8/87 4/ 9/87 4/10/87

FIGURE
HYDRODYNAMIC RESULTS
STATION C-10
APRIL 1987

PRELIMINARY-SUBJECT
TO REVISION

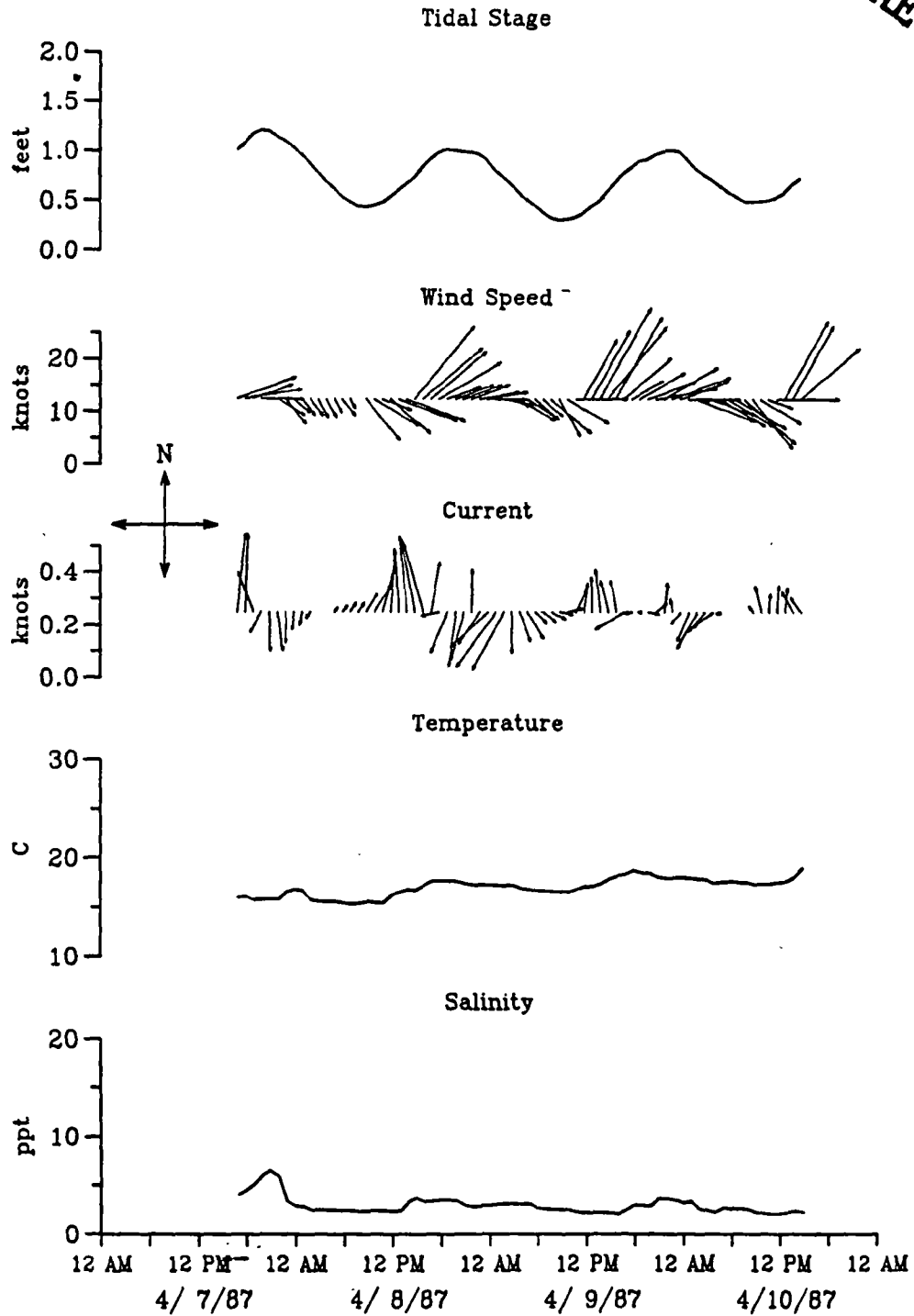


FIGURE
HYDRODYNAMIC RESULTS
STATION C14.5T
APRIL 1987

PRELIMINARY--SUBJECT
TO REVISION

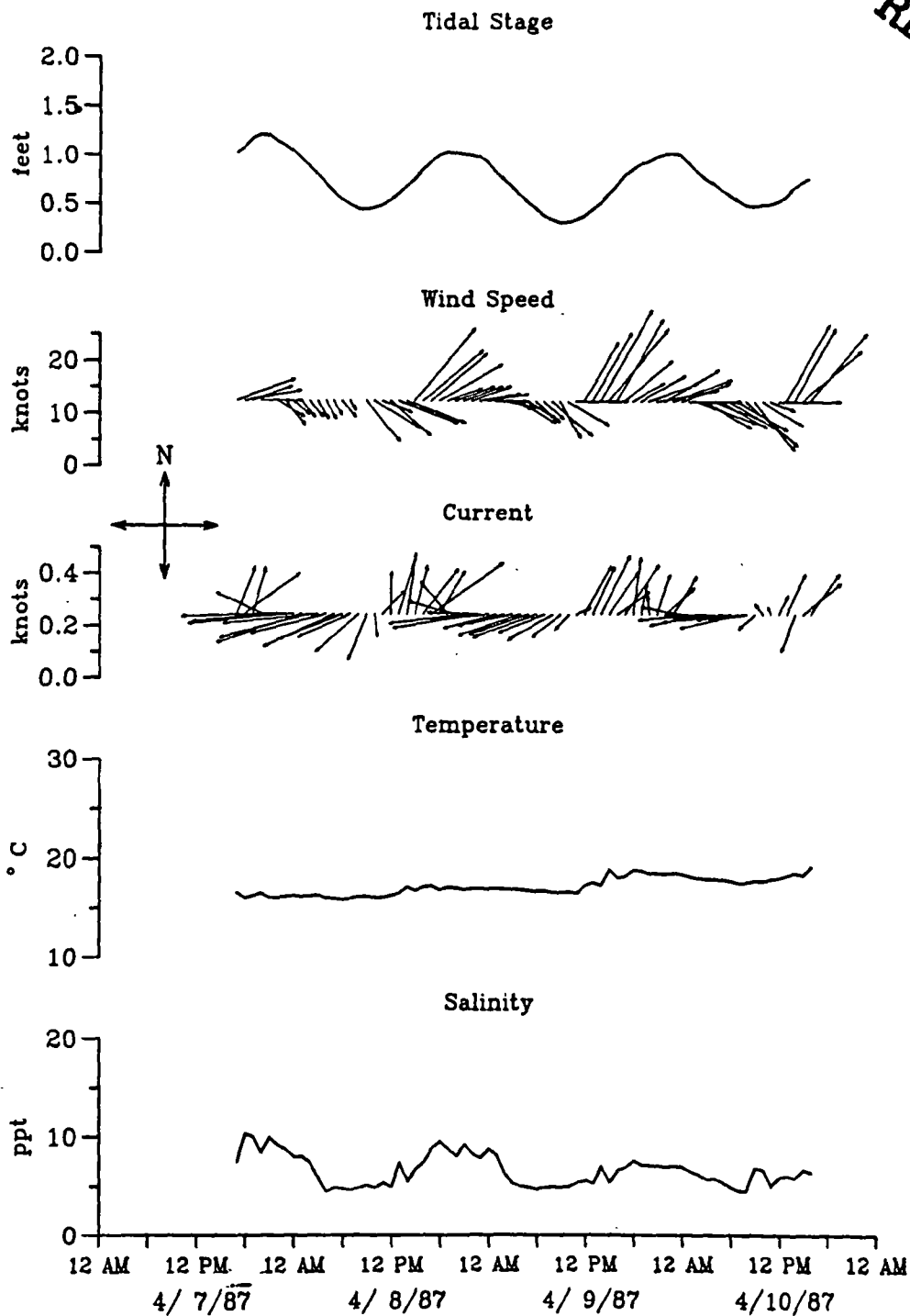
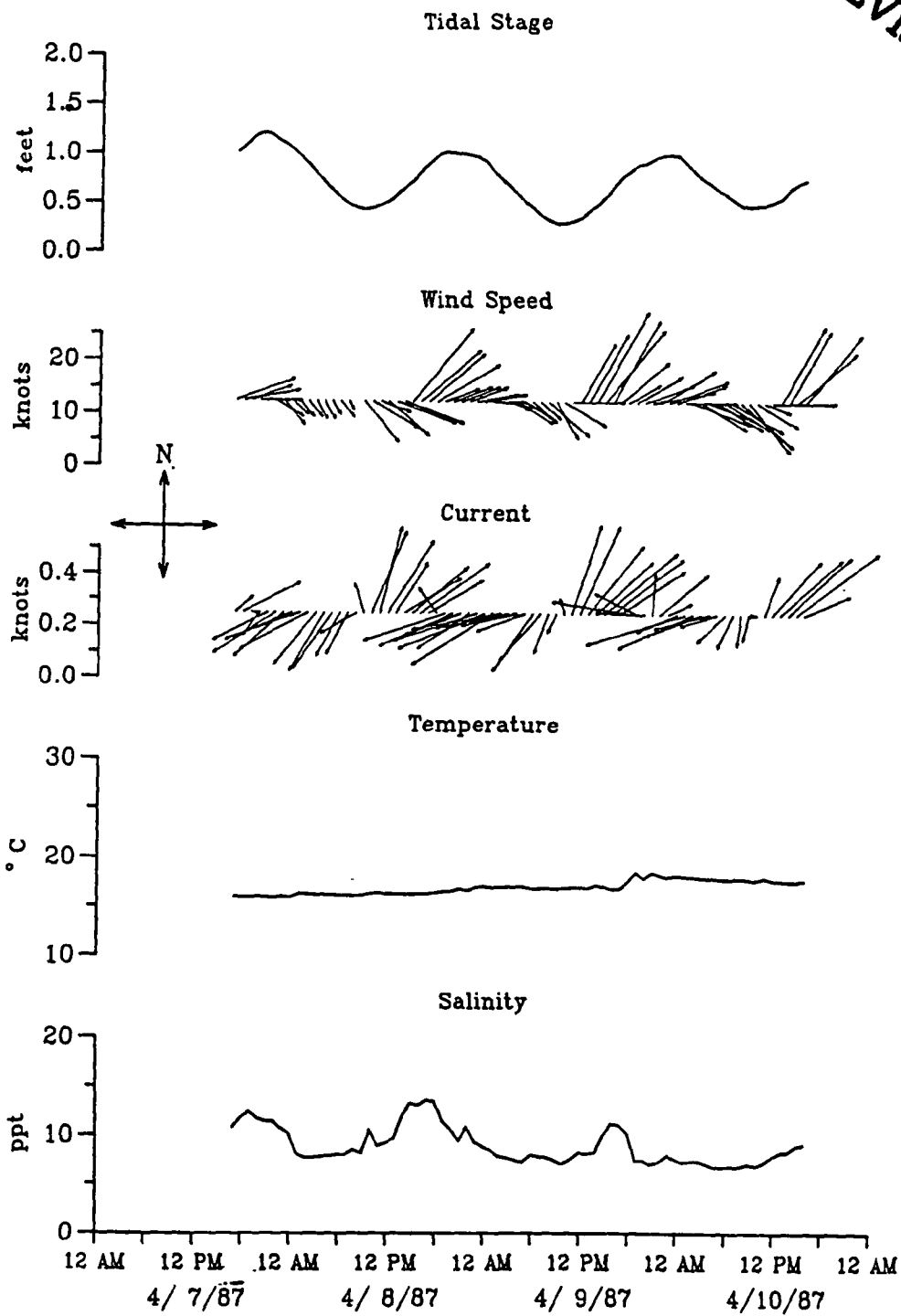


FIGURE
HYDRODYNAMIC RESULTS
STATION C14.5B
APRIL 1987

PRELIMINARY-SUBJECT
TO REVISION



STATION	DATE	HR	STAGE (FT)	WIND		-----		CURRENT		-----	
				SPEED (KNOTS)	DIR (DEG)	SPEED (KNOTS)	DIR (DEG)	TEMP. (C)	SALINITY (PPT)		
C-12	04/07/87	17	1.03	12.00	70.00	.01	253.00	17.45	2.96		
C-12	04/07/87	18	1.09	11.00	80.00	.00	265.00	17.55	2.98		
C-12	04/07/87	19	1.18	8.00	70.00	.02	254.00	17.54	4.76		
C-12	04/07/87	20	1.22	8.00	90.00	.02	250.00	17.55	3.08		
C-12	04/07/87	21	1.21	4.00	90.00	.00	240.00	17.51	3.08		
C-12	04/07/87	22	1.15	6.00	120.00	.00	250.00	17.45	3.04		
C-12	04/07/87	23	1.11	6.00	140.00	.00	175.00	17.37	3.01		
C-12	04/07/87	24	1.05	4.00	130.00	.00	148.00	17.35	3.03		
C-12	04/08/87	1	.97	4.00	140.00	.00	171.00	17.26	3.05		
C-12	04/08/87	2	.89	4.00	140.00	.00	148.00	17.26	3.07		
C-12	04/08/87	3	.80	4.00	150.00	.00	57.00	17.11	2.99		
C-12	04/08/87	4	.71	4.00	150.00	.05	59.00	16.86	2.87		
C-12	04/08/87	5	.63	3.00	150.00	.06	57.00	16.67	2.83		
C-12	04/08/87	6	.55	4.00	140.00	.06	55.00	16.43	2.80		
C-12	04/08/87	7	.50	2.00	150.00	.07	44.00	16.48	2.83		
C-12	04/08/87	8	.46	.00	.00	.07	38.00	16.33	2.75		
C-12	04/08/87	9	.45	10.00	140.00	.07	38.00	16.43	2.83		
C-12	04/08/87	10	.47	10.00	120.00	.06	59.00	16.32	2.74		
C-12	04/08/87	11	.50	6.00	110.00	.05	73.00	16.00	2.56		
C-12	04/08/87	12	.55	10.00	130.00	.01	33.00	16.65	2.60		
C-12	04/08/87	13	.62	12.00	110.00	.00	148.00	16.93	2.65		
C-12	04/08/87	14	.69	12.00	110.00	.00	267.00	17.18	2.69		
C-12	04/08/87	15	.76	18.00	40.00	.02	269.00	17.45	2.67		
C-12	04/08/87	16	.86	15.00	50.00	.01	272.00	17.54	2.67		
C-12	04/08/87	17	.94	14.00	50.00	.01	284.00	17.56	2.66		
C-12	04/08/87	18	1.01	14.00	60.00	.01	260.00	17.65	2.66		
C-12	04/08/87	19	1.04	7.00	70.00	.03	255.00	17.65	2.66		
C-12	04/08/87	20	1.03	8.00	70.00	.00	247.00	17.65	2.66		
C-12	04/08/87	21	1.02	8.00	70.00	.01	255.00	17.65	2.66		
C-12	04/08/87	22	1.01	8.00	70.00	.01	251.00	17.69	2.66		
C-12	04/08/87	23	.99	8.00	80.00	.00	240.00	17.69	2.66		
C-12	04/08/87	24	.94	8.00	80.00	.00	58.00	17.75	2.65		
C-12	04/09/87	1	.84	6.00	90.00	.00	269.00	17.75	2.65		
C-12	04/09/87	2	.76	8.00	100.00	.00	63.00	17.75	2.65		
C-12	04/09/87	3	.69	4.00	110.00	.00	5.00	17.65	2.63		
C-12	04/09/87	4	.61	8.00	120.00	.00	95.00	17.46	2.67		
C-12	04/09/87	5	.53	6.00	120.00	.00	12.00	17.16	2.69		
C-12	04/09/87	6	.47	6.00	130.00	.00	49.00	17.16	2.69		
C-12	04/09/87	7	.40	5.00	130.00	.00	42.00	16.90	2.68		
C-12	04/09/87	8	.35	10.00	130.00	.00	26.00	16.84	2.71		
C-12	04/09/87	9	.32	8.00	150.00	.00	9.00	16.77	2.69		
C-12	04/09/87	10	.33	9.00	120.00	.00	16.00	16.87	2.70		
C-12	04/09/87	11	.35	10.00	90.00	.00	26.00	17.05	2.70		
C-12	04/09/87	12	.39	13.00	30.00	.02	331.00	17.12	2.70		
C-12	04/09/87	13	.46	15.00	30.00	.06	315.00	17.72	2.76		
C-12	04/09/87	14	.52	20.00	30.00	.03	305.00	18.85	2.69		
C-12	04/09/87	15	.61	18.00	40.00	.01	280.00	19.20	2.66		
C-12	04/09/87	16	.70	18.00	50.00	.00	357.00	19.37	2.62		
C-12	04/09/87	17	.80	12.00	60.00	.02	84.00	19.23	2.61		
C-12	04/09/87	18	.86	7.00	60.00	.00	355.00	19.22	2.61		
C-12	04/09/87	19	.92	10.00	60.00	.00	115.00	19.12	2.62		
C-12	04/09/87	20	.94	10.00	70.00	.00	19.00	19.01	2.62		
C-12	04/09/87	21	.99	12.00	80.00	.00	168.00	18.83	2.60		
C-12	04/09/87	22	1.02	12.00	60.00	.00	222.00	18.73	2.62		
C-12	04/09/87	23	1.03	12.00	70.00	.00	161.00	18.63	2.60		
C-12	04/09/87	24	1.02	10.00	70.00	.00	20.00	18.53	2.60		
C-12	04/10/87	1	.99	10.00	90.00	.00	250.00	18.43	2.61		
C-12	04/10/87	2	.85	12.00	110.00	.00	250.00	18.37	2.61		
C-12	04/10/87	3	.78	10.00	120.00	3.15	341.00	18.33	2.62		

PRELIMINARY - SUBJECT
TO REVISION

STATION	DATE	HR	STAGE (FT)	WIND		-----		CURRENT TEMP. (C)	----- SALINITY (PPT)
				SPEED (KNOTS)	DIR (DEG)	SPEED (KNOTS)	DIR (DEG)		
C-12	04/10/87	5	.67	10.00	120.00	.00	275.00	18.14	2.63
C-12	04/10/87	6	.61	10.00	120.00	.00	188.00	18.04	2.63
C-12	04/10/87	7	.56	11.00	120.00	.00	140.00	17.95	2.64
C-12	04/10/87	8	.51	13.00	130.00	.00	224.00	17.94	2.61
C-12	04/10/87	9	.50	12.00	140.00	.00	319.00	17.94	2.58
C-12	04/10/87	10	.51	9.00	120.00	.02	313.00	18.07	2.54
C-12	04/10/87	11	.52	5.00	110.00	.00	342.00	18.27	2.57
C-12	04/10/87	12	.55	12.00	90.00	.02	334.00	18.44	2.51
C-12	04/10/87	13	.59	17.00	30.00	.02	315.00	19.07	2.55
C-12	04/10/87	14	.68	16.00	30.00	.03	280.00	19.92	2.52
C-10	04/07/87	17	1.03	12.00	70.00	.30	6.08	16.06	4.08
C-10	04/07/87	18	1.09	11.00	80.00	.30	2.00	16.16	4.54
C-10	04/07/87	19	1.18	8.00	70.00	.16	338.00	15.77	5.21
C-10	04/07/87	20	1.22	8.00	90.00	.09	210.00	15.81	6.04
C-10	04/07/87	21	1.21	4.00	90.00	.15	179.00	15.85	6.53
C-10	04/07/87	22	1.15	6.00	120.00	.15	173.00	15.83	5.95
C-10	04/07/87	23	1.11	6.00	140.00	.12	180.00	16.51	3.38
C-10	04/07/87	24	1.05	4.00	130.00	.07	186.00	16.77	2.86
C-10	04/08/87	1	.97	4.00	140.00	.05	194.00	16.69	2.85
C-10	04/08/87	2	.89	4.00	140.00	.03	216.00	15.72	2.50
C-10	04/08/87	3	.80	4.00	150.00	.00	245.00	15.61	2.51
C-10	04/08/87	4	.71	4.00	150.00	.00	6.00	15.61	2.50
C-10	04/08/87	5	.63	3.00	150.00	.02	38.00	15.62	2.49
C-10	04/08/87	6	.55	4.00	140.00	.03	40.00	15.42	2.41
C-10	04/08/87	7	.50	2.00	150.00	.04	33.00	15.33	2.40
C-10	04/08/87	8	.46	.00	.00	.04	33.00	15.41	2.31
C-10	04/08/87	9	.45	10.00	140.00	.08	31.00	15.56	2.40
C-10	04/08/87	10	.47	10.00	120.00	.12	32.00	15.46	2.42
C-10	04/08/87	11	.50	6.00	110.00	.15	16.00	15.44	2.41
C-10	04/08/87	12	.55	10.00	130.00	.23	4.00	16.22	2.39
C-10	04/08/87	13	.62	12.00	110.00	.24	356.00	16.49	2.36
C-10	04/08/87	14	.69	12.00	110.00	.29	354.00	16.77	3.32
C-10	04/08/87	15	.76	18.00	40.00	.28	349.00	16.68	3.73
C-10	04/08/87	16	.86	15.00	50.00	.27	344.00	17.16	3.34
C-10	04/08/87	17	.94	14.00	50.00	.19	10.00	17.64	3.37
C-10	04/08/87	18	1.01	14.00	60.00	.07	257.00	17.65	3.52
C-10	04/08/87	19	1.04	7.00	70.00	.17	203.00	17.64	3.52
C-10	04/08/87	20	1.03	8.00	70.00	.21	187.00	17.56	3.38
C-10	04/08/87	21	1.02	8.00	70.00	.19	195.00	17.35	2.92
C-10	04/08/87	22	1.01	8.00	70.00	.16	.99	17.22	2.78
C-10	04/08/87	23	.99	8.00	80.00	.15	214.00	17.23	2.90
C-10	04/08/87	24	.94	8.00	80.00	.20	227.00	17.22	2.93
C-10	04/09/87	1	.84	6.00	90.00	.26	216.00	17.19	3.03
C-10	04/09/87	2	.76	8.00	100.00	.25	209.00	17.17	3.12
C-10	04/09/87	3	.69	4.00	110.00	.16	180.00	17.18	3.05
C-10	04/09/87	4	.61	8.00	120.00	.12	159.00	16.89	3.06
C-10	04/09/87	5	.53	6.00	120.00	.12	149.00	16.79	3.07
C-10	04/09/87	6	.47	6.00	130.00	.06	137.00	16.63	2.64
C-10	04/09/87	7	.40	5.00	130.00	.06	130.00	16.63	2.54
C-10	04/09/87	8	.35	10.00	130.00	.06	118.00	16.60	2.55
C-10	04/09/87	9	.32	8.00	150.00	.05	100.00	16.59	2.53
C-10	04/09/87	10	.33	9.00	120.00	.06	76.00	16.51	2.44
C-10	04/09/87	11	.35	10.00	90.00	.10	25.00	16.82	2.25
C-10	04/09/87	12	.39	13.00	30.00	.11	8.00	17.16	2.19
C-10	04/09/87	13	.46	15.00	30.00	.13	359.00	17.12	2.20
C-10	04/09/87	14	.52	20.00	30.00	.16	353.00	17.43	2.20
C-10	04/09/87	15	.61	18.00	40.00	.12	345.00	17.90	2.15

PRELIMINARY - SUBJECT TO REVISION

STATION	DATE	HR	STAGE (FT)	WIND		CURRENT			SALINITY (PPT)
				SPEED (KNOTS)	DIR (DEG)	SPEED (KNOTS)	DIR (DEG)	TEMP. (C)	
C-10	04/09/87	16	.70	18.00	30.00	.12	349.00	18.22	2.08
C-10	04/09/87	17	.80	12.00	50.00	.13	240.00	18.35	2.46
C-10	04/09/87	18	.86	7.00	60.00	.03	261.00	18.75	2.98
C-10	04/09/87	19	.92	10.00	60.00	.01	284.00	18.52	2.94
C-10	04/09/87	20	.94	10.00	70.00	.04	102.00	18.46	2.85
C-10	04/09/87	21	.99	12.00	80.00	.05	50.00	18.09	3.64
C-10	04/09/87	22	1.02	12.00	60.00	.11	6.00	17.97	3.61
C-10	04/09/87	23	1.03	12.00	70.00	.05	346.00	17.97	3.47
C-10	04/09/87	24	1.02	10.00	70.00	.06	220.00	18.03	3.14
C-10	04/10/87	1	.94	10.00	90.00	.12	202.00	17.97	3.33
C-10	04/10/87	2	.85	12.00	110.00	.16	209.00	17.91	2.57
C-10	04/10/87	3	.78	1.00	120.00	.10	221.00	17.79	2.40
C-10	04/10/87	4	.73	9.00	110.00	.10	234.00	17.43	2.21
C-10	04/10/87	5	.67	10.00	120.00	.02	252.00	17.62	2.72
C-10	04/10/87	6	.61	10.00	120.00	.00	222.00	17.64	2.59
C-10	04/10/87	7	.56	11.00	120.00	.00	11.00	17.56	2.59
C-10	04/10/87	8	.51	13.00	130.00	.00	206.00	17.56	2.56
C-10	04/10/87	9	.50	12.00	140.00	.03	325.00	17.36	2.25
C-10	04/10/87	10	.51	9.00	120.00	.10	345.00	17.35	2.08
C-10	04/10/87	11	.52	5.00	110.00	.07	4.00	17.40	2.01
C-10	04/10/87	12	.55	12.00	90.00	.10	3.00	17.55	2.04
C-10	04/10/87	13	.59	17.00	30.00	.09	5.00	17.60	2.17
C-10	04/10/87	14	.68	16.00	30.00	.09	329.00	18.08	2.34
C-10	04/10/87	15	.74	15.00	50.00	.07	323.00	18.96	2.19
L-6 B	04/07/87	17	1.03	12.00	70.00	.09	49.00	15.97	10.84
L-6 B	04/07/87	18	1.09	11.00	80.00	.25	62.00	15.89	11.76
L-6 B	04/07/87	19	1.18	8.00	70.00	.03	100.00	15.96	12.45
L-6 B	04/07/87	20	1.22	8.00	90.00	.11	216.00	15.95	11.73
L-6 B	04/07/87	21	1.21	4.00	90.00	.24	243.00	15.91	11.42
L-6 B	04/07/87	22	1.15	6.00	120.00	.29	237.00	15.89	11.44
L-6 B	04/07/87	23	1.11	6.00	140.00	.26	229.00	15.97	10.68
L-6 B	04/07/87	24	1.05	4.00	130.00	.24	247.00	15.89	10.17
L-6 B	04/08/87	1	.97	4.00	140.00	.31	250.00	16.27	8.09
L-6 B	04/08/87	2	.89	4.00	140.00	.30	242.00	16.23	7.67
L-6 B	04/08/87	3	.80	4.00	150.00	.26	219.00	16.21	7.73
L-6 B	04/08/87	4	.71	4.00	150.00	.26	211.00	16.18	7.88
L-6 B	04/08/87	5	.63	3.00	150.00	.26	215.00	16.17	7.88
L-6 B	04/08/87	6	.55	4.00	140.00	.19	209.00	16.15	8.03
L-6 B	04/08/87	7	.50	2.00	150.00	.18	208.00	16.08	8.01
L-6 B	04/08/87	8	.46	.00	.00	.16	240.00	16.10	8.54
L-6 B	04/08/87	9	.45	10.00	140.00	.12	342.00	16.17	8.18
L-6 B	04/08/87	10	.47	10.00	120.00	.34	23.00	16.28	10.54
L-6 B	04/08/87	11	.50	6.00	110.00	.34	14.00	16.42	8.91
L-6 B	04/08/87	12	.55	10.00	130.00	.33	32.00	16.23	9.25
L-6 B	04/08/87	13	.62	12.00	110.00	.23	32.00	16.28	9.73
L-6 B	04/08/87	14	.69	12.00	110.00	.26	58.00	16.28	11.93
L-6 B	04/08/87	15	.76	18.00	40.00	.28	50.00	16.24	13.28
L-6 B	04/08/87	16	.86	15.00	50.00	.33	54.00	16.28	13.03
L-6 B	04/08/87	17	.94	14.00	50.00	.25	59.00	16.34	13.64
L-6 B	04/08/87	18	1.01	14.00	60.00	.12	325.00	16.40	13.45
L-6 B	04/08/87	19	1.04	7.00	70.00	.33	251.00	16.56	11.55
L-6 B	04/08/87	20	1.03	8.00	70.00	.31	246.00	16.55	10.69
L-6 B	04/08/87	21	1.02	8.00	70.00	.23	249.00	16.85	9.44
L-6 B	04/08/87	22	1.01	8.00	70.00	.24	236.00	16.65	10.91
L-6 B	04/08/87	23	.99	8.00	80.00	.34	252.00	16.97	9.37
L-6 B	04/08/87	24	.94	8.00	80.00	.36	248.00	17.10	8.86
L-6 B	04/09/87	1	.84	6.00	90.00	.37	238.00	16.98	8.51

PRELIMINARY - SUBJECT
TO REVISION

STATION	DATE	HR	STAGE (FT)	WIND		-----		CURRENT		-----	
				SPEED (KNOTS)	DIR (DEG)	SPEED (KNOTS)	DIR (DEG)	TEMP. (C)		SALINITY (PPT)	
L-6 B	04/09/87	2	.76	8.00	100.00	.35	260.00	17.00		7.86	
L-6 B	04/09/87	3	.69	4.00	110.00	.29	259.00	17.06		7.71	
L-6 B	04/09/87	4	.61	8.00	120.00	.22	258.00	17.06		7.52	
L-6 B	04/09/87	5	.53	6.00	120.00	.20	250.00	17.07		7.25	
L-6 B	04/09/87	6	.47	6.00	130.00	.27	215.00	16.89		8.04	
L-6 B	04/09/87	7	.40	5.00	130.00	.24	222.00	16.88		7.90	
L-6 B	04/09/87	8	.35	10.00	130.00	.16	201.00	16.97		7.75	
L-6 B	04/09/87	9	.32	8.00	150.00	.08	206.00	16.90		7.49	
L-6 B	04/09/87	10	.33	9.00	120.00	.06	344.00	16.96		7.13	
L-6 B	04/09/87	11	.35	10.00	90.00	.36	18.00	17.07		7.58	
L-6 B	04/09/87	12	.39	13.00	30.00	.37	24.00	17.08		8.32	
L-6 B	04/09/87	13	.46	15.00	30.00	.34	39.00	16.94		8.11	
L-6 B	04/09/87	14	.52	20.00	30.00	.30	47.00	17.30		8.27	
L-6 B	04/09/87	15	.61	18.00	40.00	.37	50.00	17.14		10.11	
L-6 B	04/09/87	16	.70	18.00	30.00	.35	52.00	16.87		11.25	
L-6 B	04/09/87	17	.80	12.00	50.00	.30	56.00	16.99		11.14	
L-6 B	04/09/87	18	.86	7.00	60.00	.30	279.00	17.72		10.24	
L-6 B	04/09/87	19	.92	10.00	60.00	.18	296.00	18.63		7.40	
L-6 B	04/09/87	20	.94	10.00	70.00	.19	272.00	17.99		7.50	
L-6 B	04/09/87	21	.99	12.00	80.00	.16	5.00	18.60		7.03	
L-6 B	04/09/87	22	1.02	12.00	60.00	.24	50.00	18.33		7.34	
L-6 B	04/09/87	23	1.03	12.00	70.00	.10	65.00	18.13		8.07	
L-6 B	04/09/87	24	1.02	10.00	70.00	.17	247.00	18.28		7.57	
L-6 B	04/10/87	1	.94	10.00	90.00	.40	253.00	18.23		7.25	
L-6 B	04/10/87	2	.85	12.00	110.00	.32	246.00	18.14		7.45	
L-6 B	04/10/87	3	.78	10.00	120.00	.23	249.00	18.05		7.33	
L-6 B	04/10/87	4	.73	9.00	110.00	.22	256.00	18.03		7.04	
L-6 B	04/10/87	5	.67	10.00	120.00	.15	253.00	17.96		6.75	
L-6 B	04/10/87	6	.61	10.00	120.00	.15	226.00	17.91		6.76	
L-6 B	04/10/87	7	.56	11.00	120.00	.14	206.00	17.95		6.83	
L-6 B	04/10/87	8	.51	13.00	130.00	.12	188.00	17.95		6.77	
L-6 B	04/10/87	9	.50	12.00	140.00	.10	194.00	17.93		7.09	
L-6 B	04/10/87	10	.51	9.00	120.00	.03	271.00	17.79		6.90	
L-6 B	04/10/87	11	.52	5.00	110.00	.16	21.00	18.06		7.14	
L-6 B	04/10/87	12	.55	12.00	90.00	.28	42.00	17.84		7.83	
L-6 B	04/10/87	13	.59	17.00	30.00	.32	48.00	17.74		8.32	
L-6 B	04/10/87	14	.68	16.00	30.00	.33	47.00	17.71		8.32	
L-6 B	04/10/87	15	.74	15.00	50.00	.40	53.00	17.71		8.94	
L-6 B	04/10/87	16	.78	17.00	40.00	.19	67.00	17.81		9.14	
L-6 T	04/07/87	17	1.03	12.00	70.00	.19	22.00	16.60		7.44	
L-6 T	04/07/87	18	1.09	11.00	80.00	.26	54.00	16.04		10.35	
L-6 T	04/07/87	19	1.18	8.00	70.00	.18	16.00	16.28		10.07	
L-6 T	04/07/87	20	1.22	8.00	90.00	.19	294.00	16.52		8.38	
L-6 T	04/07/87	21	1.21	4.00	90.00	.30	264.00	16.12		10.02	
L-6 T	04/07/87	22	1.15	6.00	120.00	.37	268.00	16.09		9.25	
L-6 T	04/07/87	23	1.11	6.00	140.00	.38	264.00	16.22		8.77	
L-6 T	04/07/87	24	1.05	4.00	130.00	.30	265.00	16.31		7.95	
L-6 T	04/08/87	1	.97	4.00	140.00	.35	251.00	16.22		8.01	
L-6 T	04/08/87	2	.89	4.00	140.00	.36	255.00	16.26		7.39	
L-6 T	04/08/87	3	.80	4.00	150.00	.37	264.00	16.41		5.95	
L-6 T	04/08/87	4	.71	4.00	150.00	.30	255.00	16.09		4.48	
L-6 T	04/08/87	5	.63	3.00	150.00	.30	245.00	16.01		4.85	
L-6 T	04/08/87	6	.55	4.00	140.00	.26	248.00	15.94		4.77	
L-6 T	04/08/87	7	.50	2.00	150.00	.22	246.00	16.06		4.61	
L-6 T	04/08/87	8	.46	.00	.00	.22	229.00	16.22		4.82	
L-6 T	04/08/87	9	.45	10.00	140.00	.19	202.00	16.27		5.17	

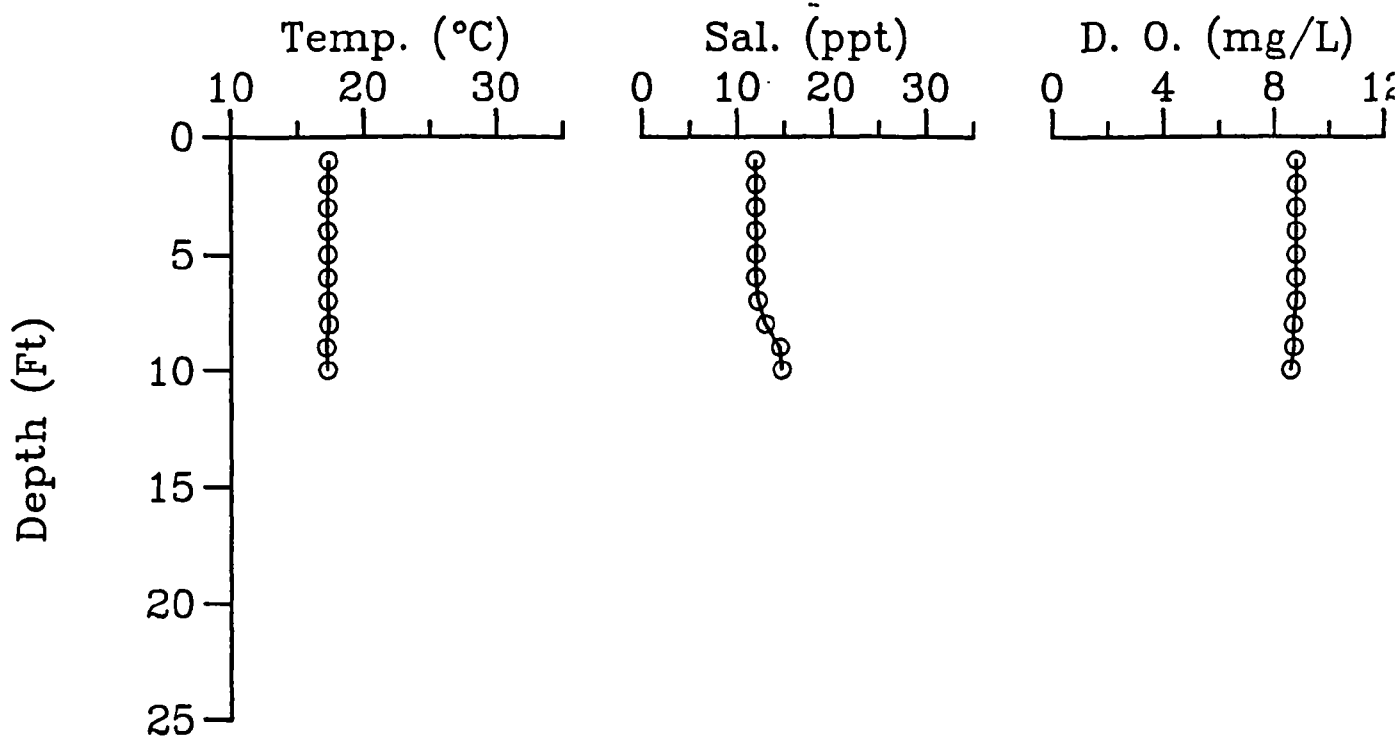
PRELIMINARY - SUBJECT TO REVISION

STATION	DATE	HR	STAGE (FT)	WIND		-----		CURRENT		-----	
				SPEED (KNOTS)	DIR (DEG)	SPEED (KNOTS)	DIR (DEG)	TEMP. (C)		SALINITY (PPT)	
L-6 T	04/08/87	10	.47	10.00	120.00	.09	173.00	16.07		4.84	
L-6 T	04/08/87	11	.50	6.00	110.00	.12	44.00	16.13		5.42	
L-6 T	04/08/87	12	.55	10.00	130.00	.16	1.00	16.37		4.92	
L-6 T	04/08/87	13	.62	12.00	110.00	.24	16.24	16.54		7.39	
L-6 T	04/08/87	14	.69	12.00	110.00	.22	9.00	17.20		5.52	
L-6 T	04/08/87	15	.76	18.00	40.00	.19	15.00	16.84		6.80	
L-6 T	04/08/87	16	.86	15.00	50.00	.22	38.00	17.19		7.48	
L-6 T	04/08/87	17	.94	14.00	50.00	.34	55.00	17.32		8.80	
L-6 T	04/08/87	18	1.01	14.00	60.00	.19	31.00	16.90		9.59	
L-6 T	04/08/87	19	1.04	7.00	70.00	.16	320.00	17.12		8.73	
L-6 T	04/08/87	20	1.03	8.00	70.00	.19	285.00	17.09		8.00	
L-6 T	04/08/87	21	1.02	8.00	70.00	.29	263.00	16.94		9.27	
L-6 T	04/08/87	22	1.01	8.00	70.00	.31	260.00	17.04		8.22	
L-6 T	04/08/87	23	.99	8.00	80.00	.20	272.00	17.07		7.84	
L-6 T	04/08/87	24	.94	8.00	80.00	.22	264.00	17.00		8.78	
L-6 T	04/09/87	1	.84	6.00	90.00	.21	255.00	17.06		8.02	
L-6 T	04/09/87	2	.76	8.00	100.00	.18	256.00	17.01		6.23	
L-6 T	04/09/87	3	.69	4.00	110.00	.17	258.00	17.00		5.33	
L-6 T	04/09/87	4	.61	8.00	120.00	.25	251.00	16.94		4.91	
L-6 T	04/09/87	5	.53	6.00	120.00	.24	251.00	16.86		4.81	
L-6 T	04/09/87	6	.47	6.00	130.00	.26	250.00	16.80		4.65	
L-6 T	04/09/87	7	.40	5.00	130.00	.19	248.00	16.83		4.79	
L-6 T	04/09/87	8	.35	10.00	130.00	.20	240.00	16.70		4.91	
L-6 T	04/09/87	9	.32	8.00	150.00	.14	231.00	16.70		4.83	
L-6 T	04/09/87	10	.33	9.00	120.00	.08	221.00	16.78		4.89	
L-6 T	04/09/87	11	.35	10.00	90.00	.06	65.00	16.63		5.38	
L-6 T	04/09/87	12	.39	13.00	30.00	.21	29.00	17.36		5.64	
L-6 T	04/09/87	13	.46	15.00	30.00	.20	25.00	17.72		5.24	
L-6 T	04/09/87	14	.52	20.00	30.00	.25	27.00	17.44		7.02	
L-6 T	04/09/87	15	.61	18.00	40.00	.20	35.00	18.96		5.34	
L-6 T	04/09/87	16	.70	18.00	30.00	.15	56.00	18.14		6.66	
L-6 T	04/09/87	17	.80	12.00	50.00	.23	35.00	18.34		6.96	
L-6 T	04/09/87	18	.86	7.00	60.00	.22	8.00	18.91		7.62	
L-6 T	04/09/87	19	.92	10.00	60.00	.12	11.00	18.84		7.16	
L-6 T	04/09/87	20	.94	10.00	70.00	.07	354.00	18.61		7.16	
L-6 T	04/09/87	21	.99	12.00	80.00	.16	18.00	18.58		7.08	
L-6 T	04/09/87	22	1.02	12.00	60.00	.15	48.00	18.55		6.97	
L-6 T	04/09/87	23	1.03	12.00	70.00	.17	32.00	18.66		7.12	
L-6 T	04/09/87	24	1.02	10.00	70.00	.16	281.00	18.52		6.98	
L-6 T	04/10/87	1	.94	10.00	90.00	.20	264.00	18.32		6.52	
L-6 T	04/10/87	2	.85	12.00	110.00	.19	257.00	18.16		6.19	
L-6 T	04/10/87	3	.78	10.00	120.00	.16	270.00	18.06		5.66	
L-6 T	04/10/87	4	.73	9.00	110.00	.16	266.00	18.06		5.75	
L-6 T	04/10/87	5	.67	10.00	120.00	.23	263.00	18.00		5.37	
L-6 T	04/10/87	6	.61	10.00	120.00	.13	261.00	17.87		4.83	
L-6 T	04/10/87	7	.56	11.00	120.00	.23	257.00	17.69		4.50	
L-6 T	04/10/87	8	.51	13.00	130.00	.14	263.00	17.69		4.47	
L-6 T	04/10/87	9	.50	12.00	140.00	.08	226.00	17.90		6.86	
L-6 T	04/10/87	10	.51	9.00	120.00	.05	326.00	17.88		6.70	
L-6 T	04/10/87	11	.52	5.00	110.00	.03	340.00	18.03		4.94	
L-6 T	04/10/87	12	.55	12.00	90.00	.08	27.00	18.16		5.85	
L-6 T	04/10/87	13	.59	17.00	30.00	.17	25.00	18.44		6.03	
L-6 T	04/10/87	14	.68	16.00	30.00	.15	200.00	18.65		5.78	
L-6 T	04/10/87	15	.74	15.00	50.00	.19	52.00	18.47		6.72	
L-6 T	04/10/87	16	.78	17.00	40.00	.19	36.00	19.34		6.37	

PRELIMINARY - SUBJECT
TO REVISION

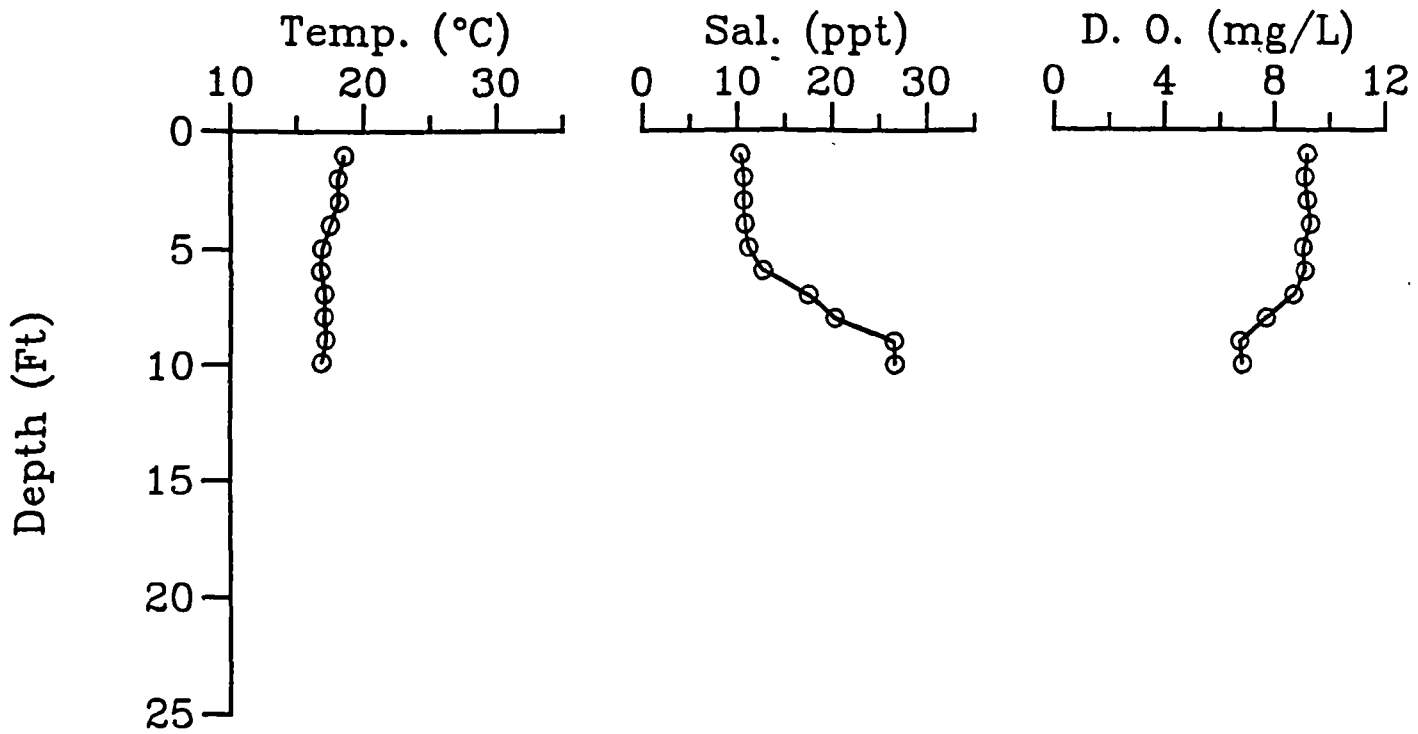
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-17
04/10/87
0834



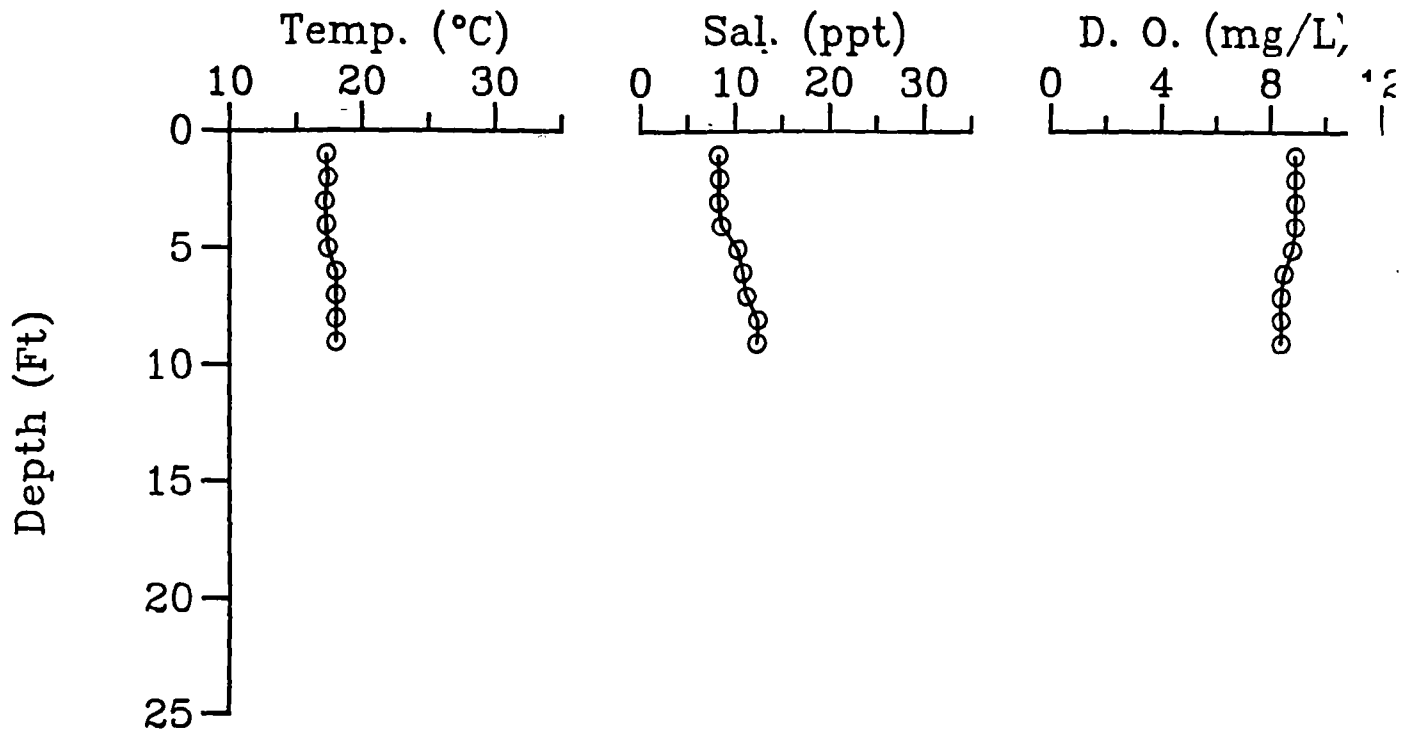
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-17
04/09/87
13 45



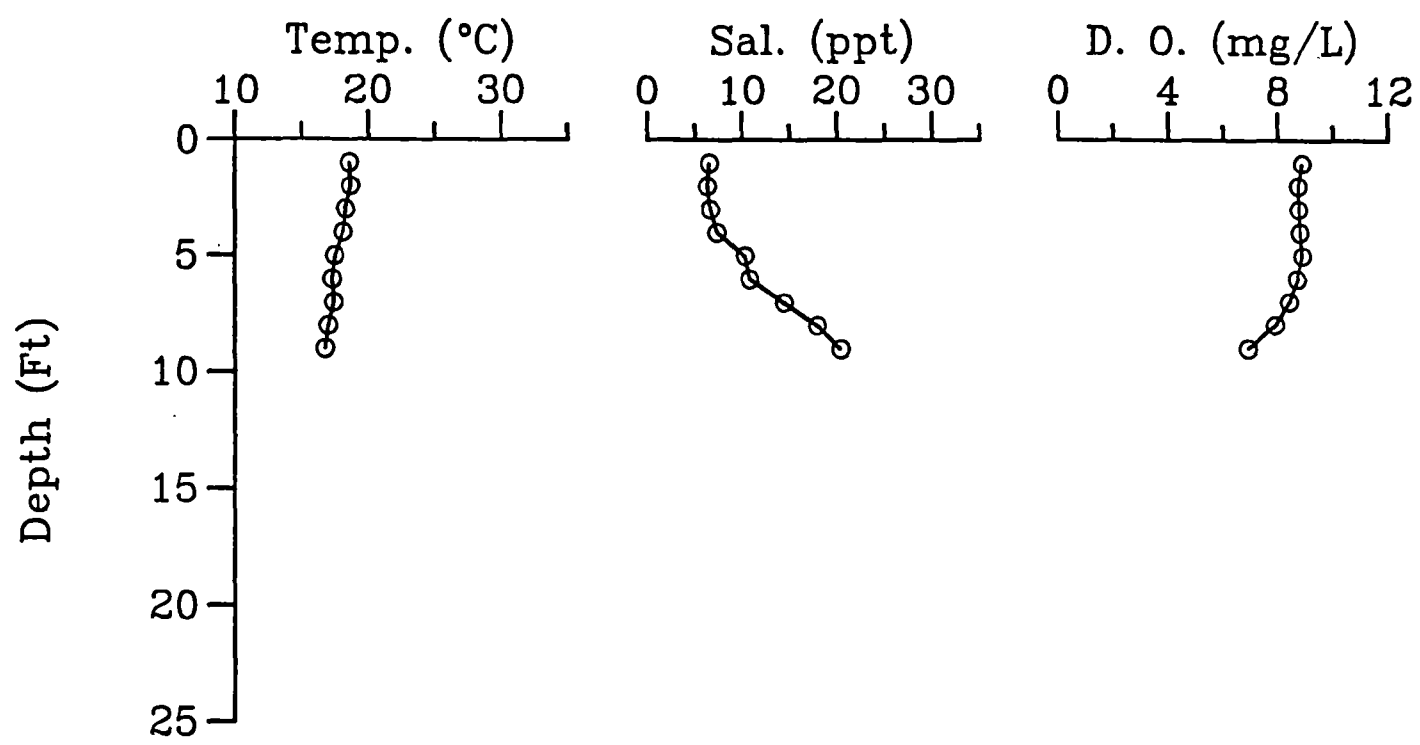
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
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STATION C-16
04/10/87
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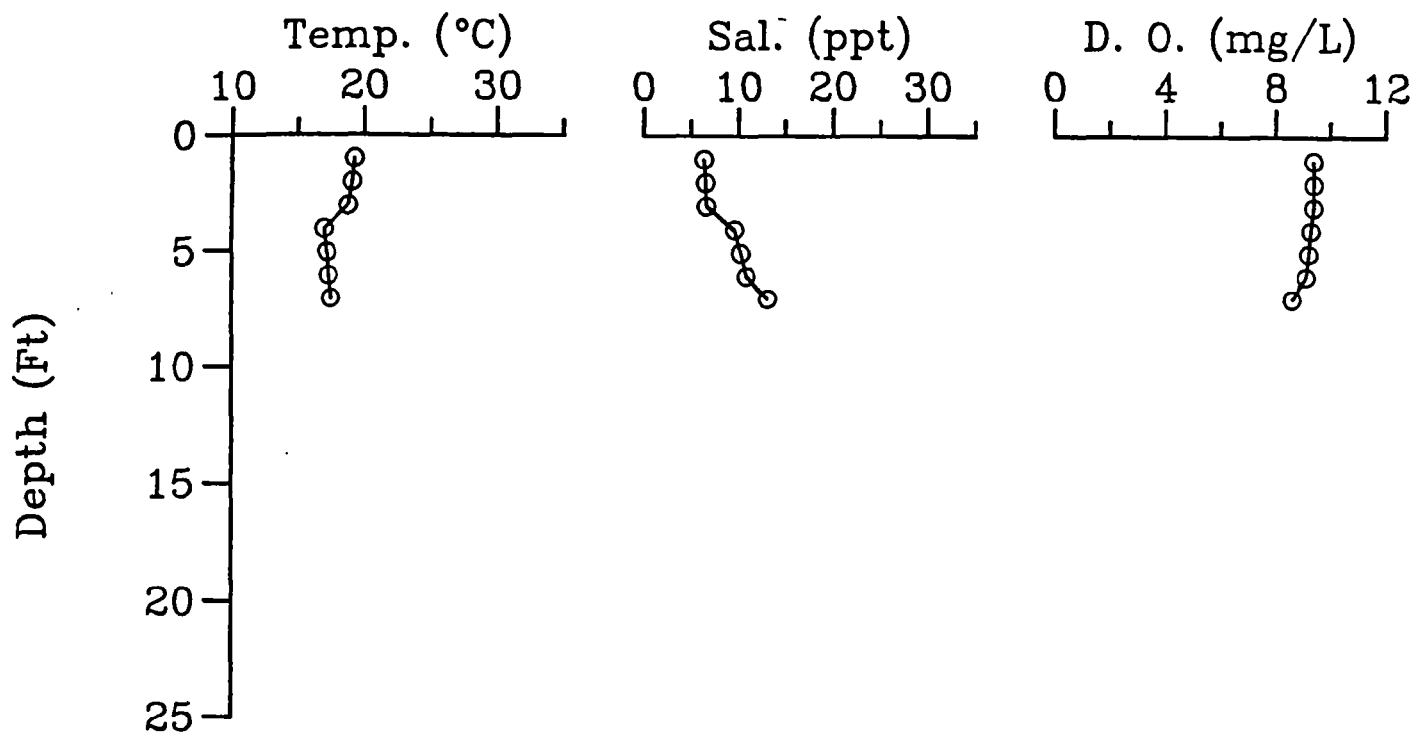
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-16
04/09/87
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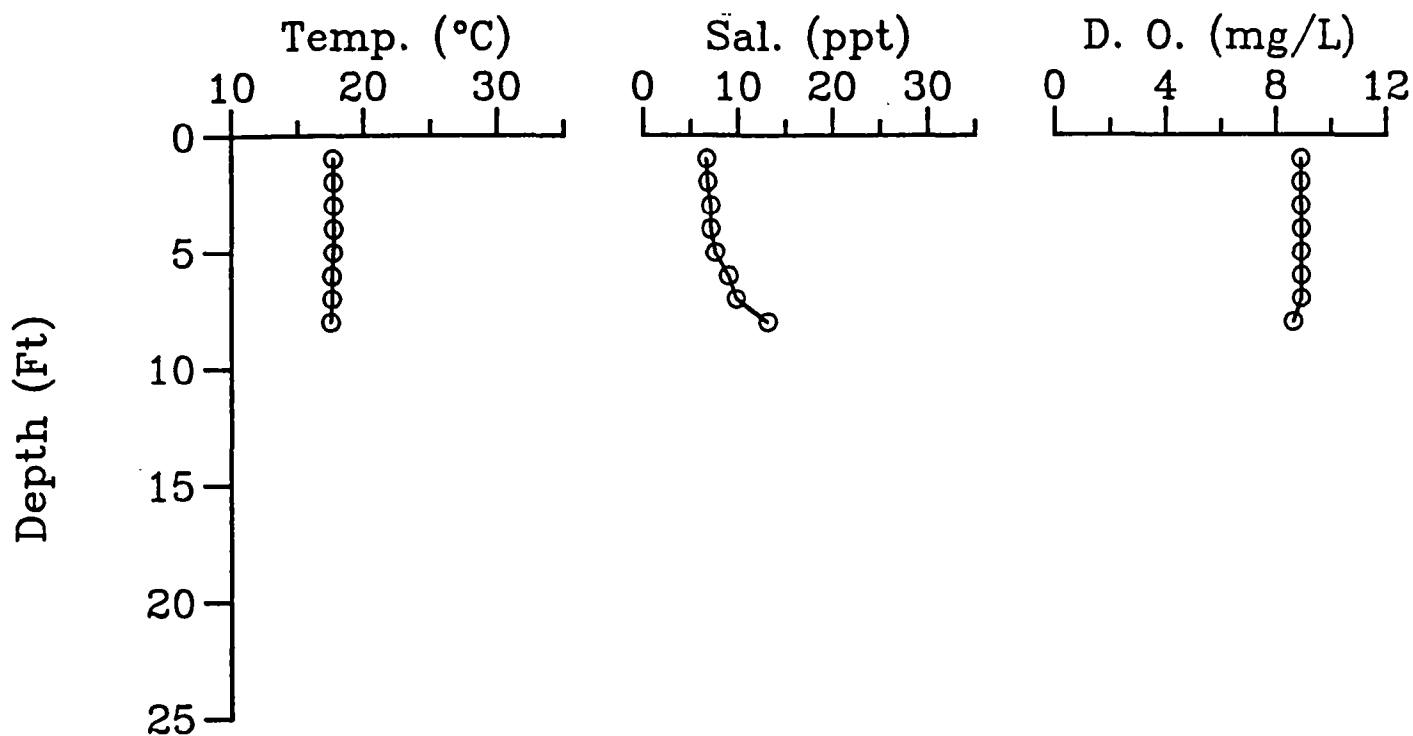
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TO REVISION

FIGURE
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STATION C-15
04/09/87
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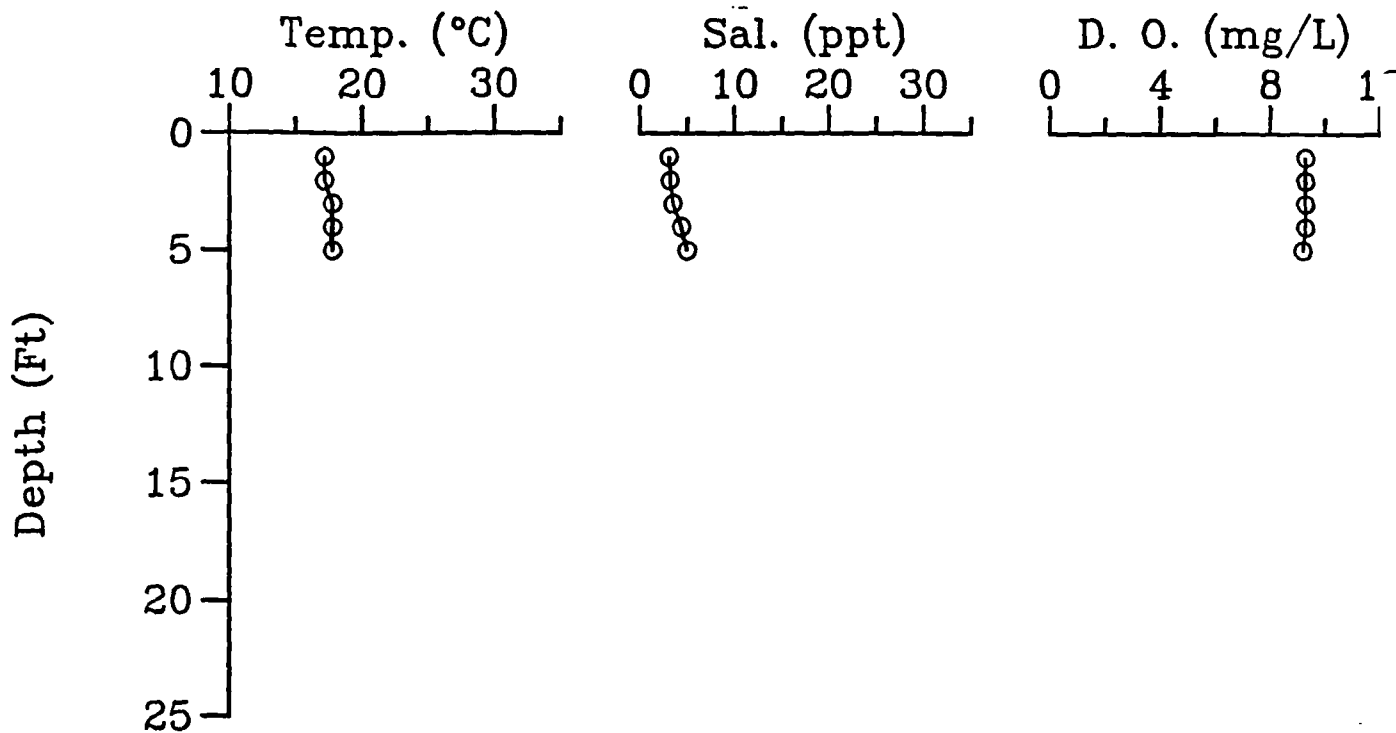
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-15
04/10/87
09 03



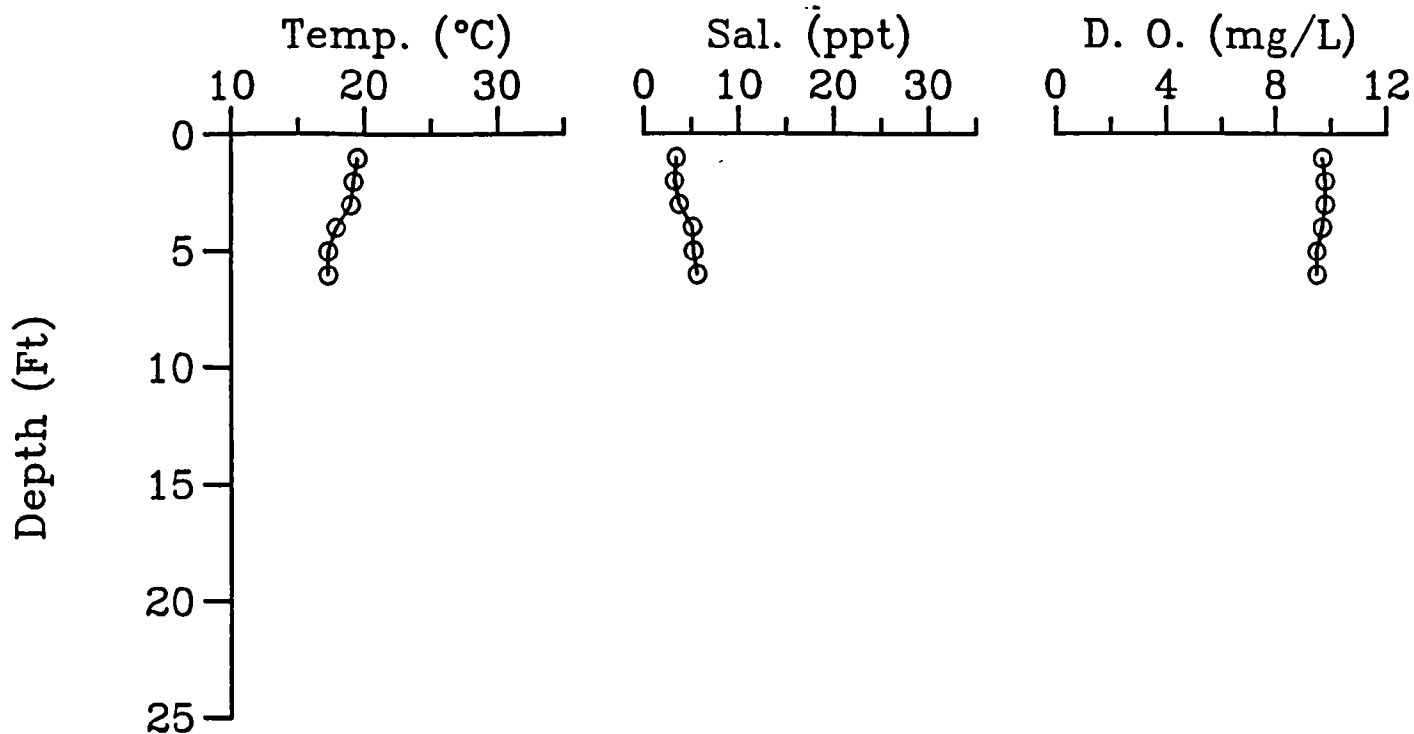
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14
04/10/87
0935



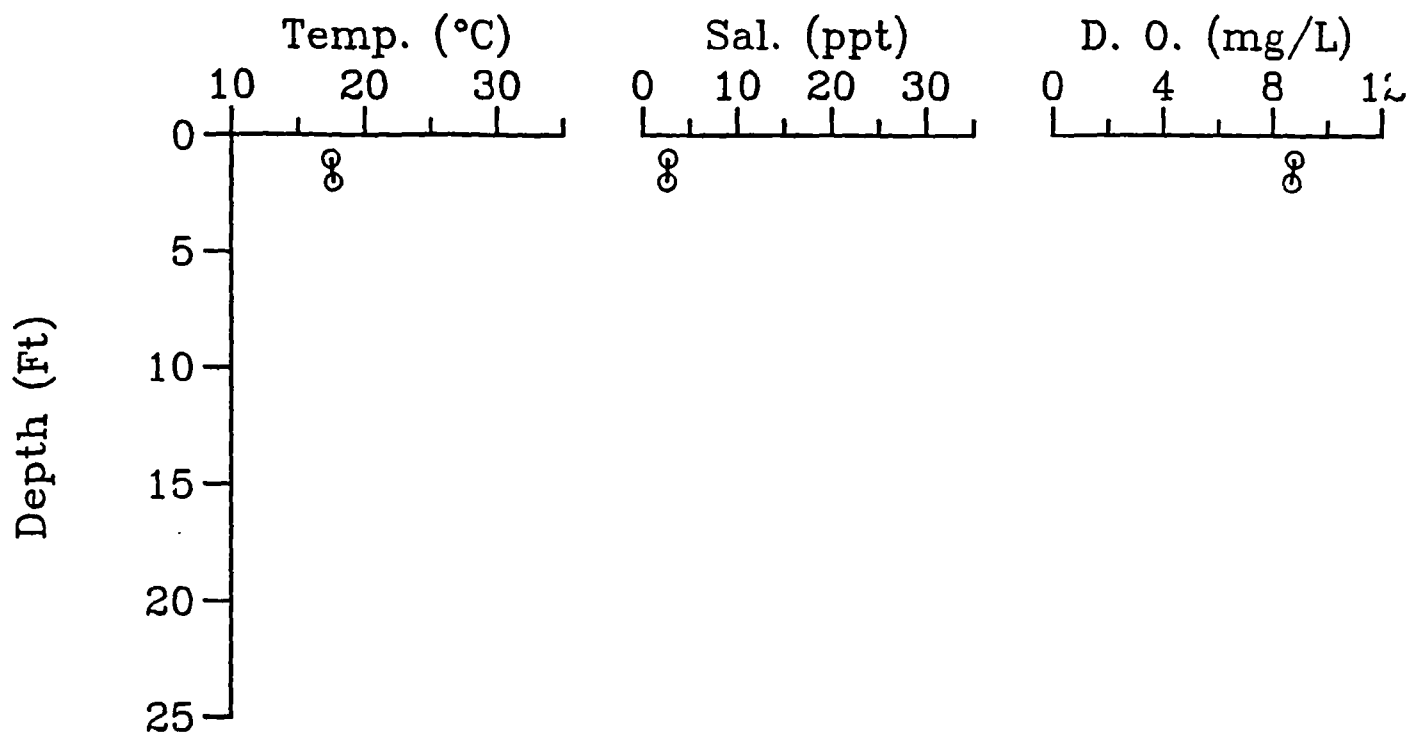
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TO REVISION

FIGURE
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STATION C-14
04/09/87
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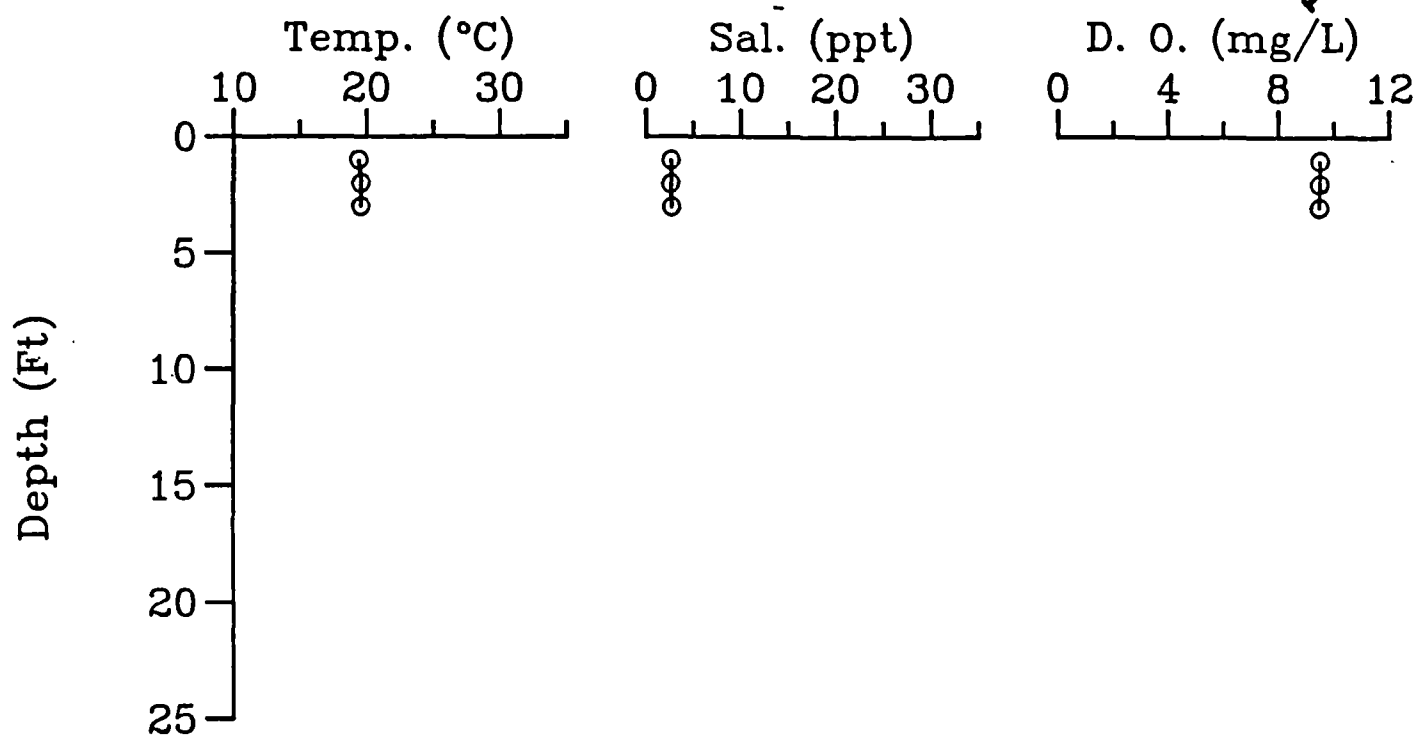
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
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STATION C-13
04/10/87
0942



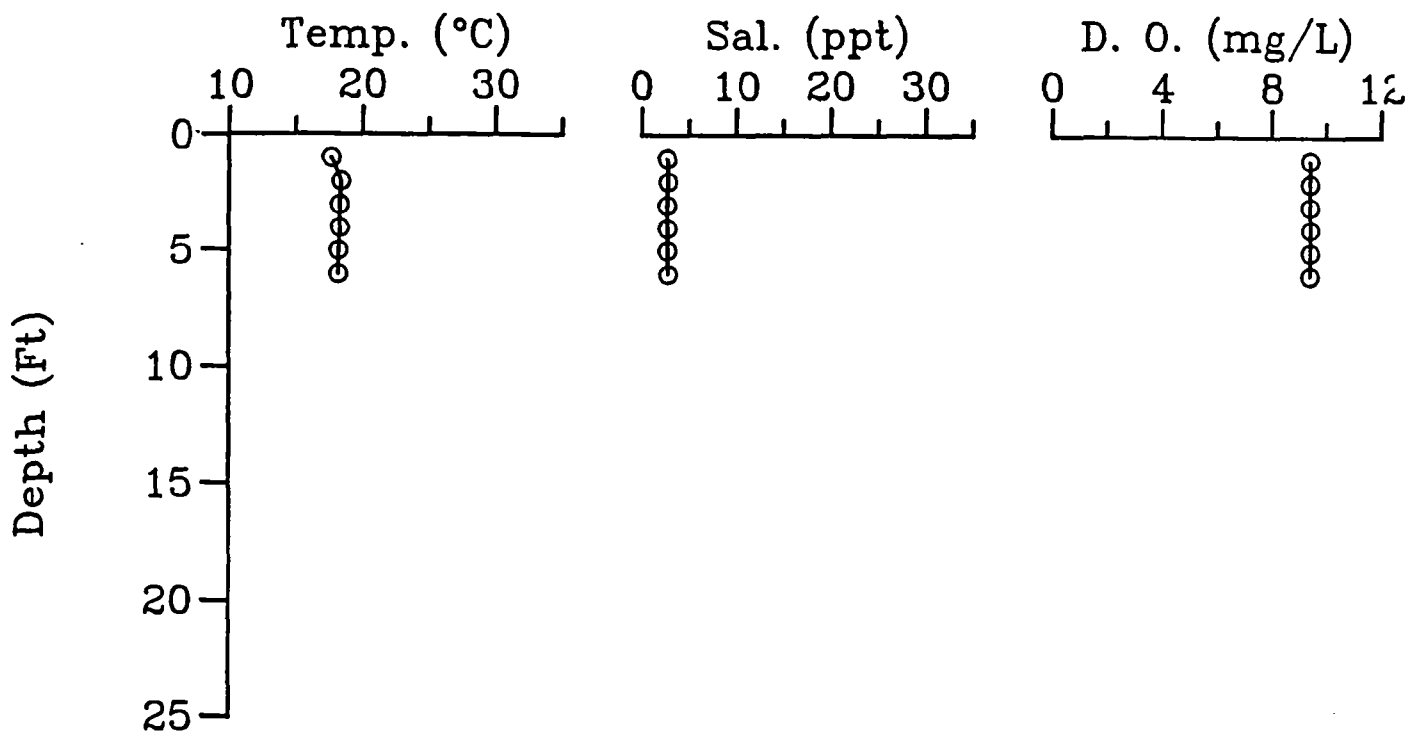
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TO REVISION

FIGURE
D S T PROFILES
STATION C-13
04/09/87
1452



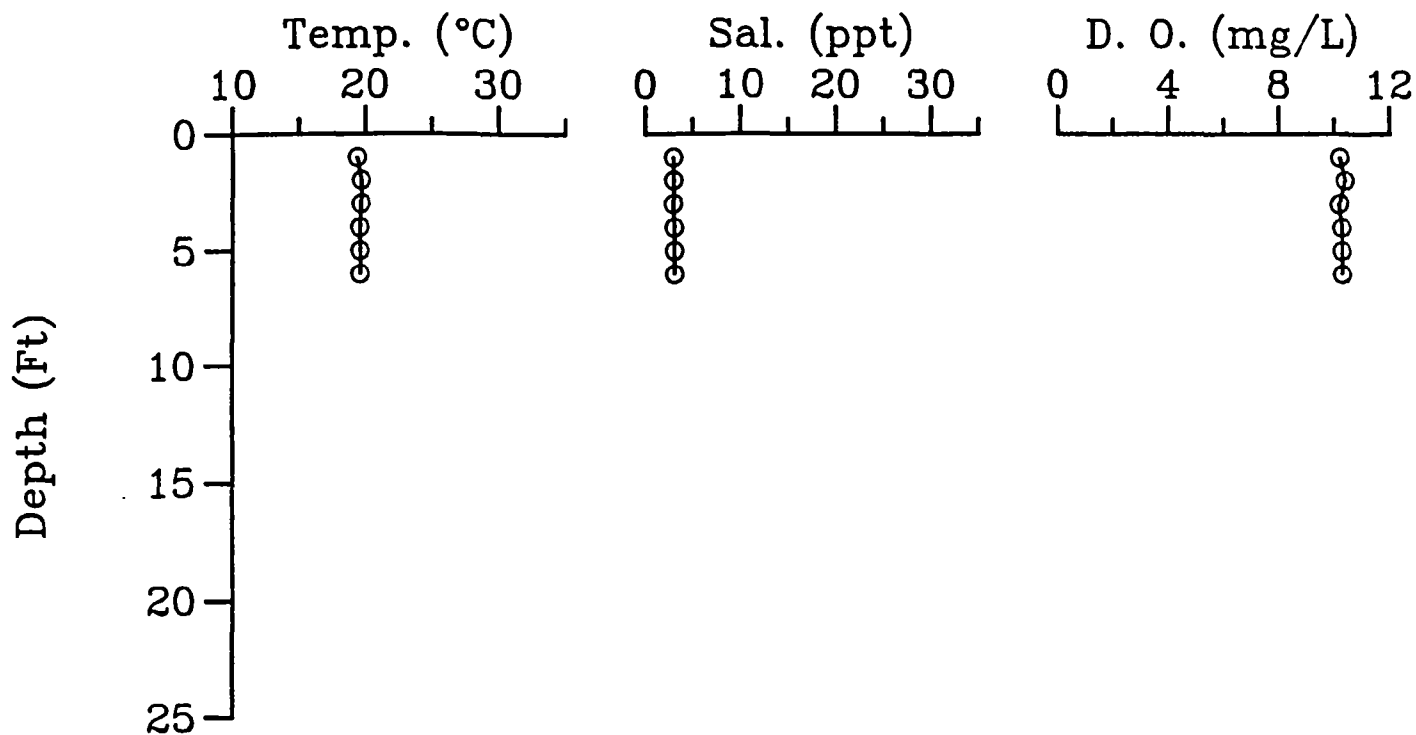
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TO REVISION

FIGURE
D S T PROFILES
STATION C-12
04/10/87
0950



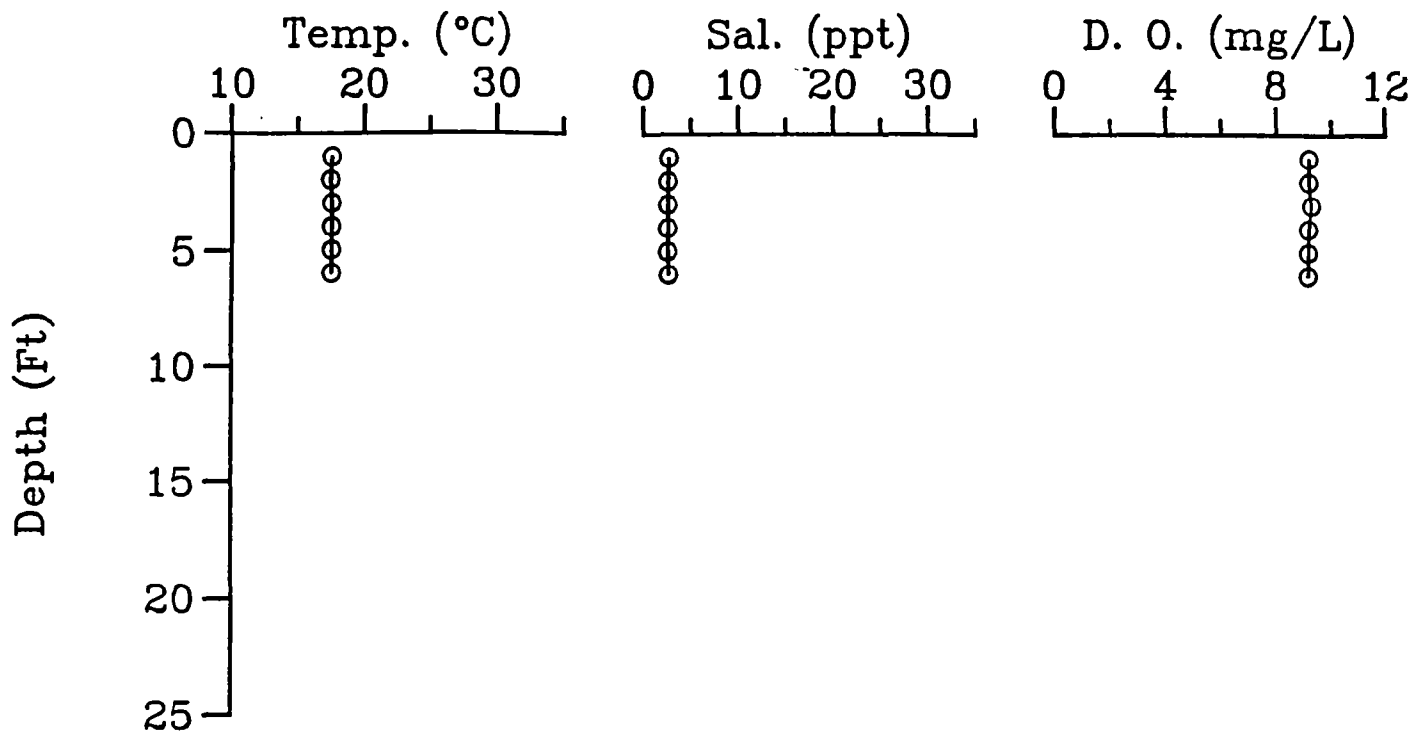
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-12
04/09/87
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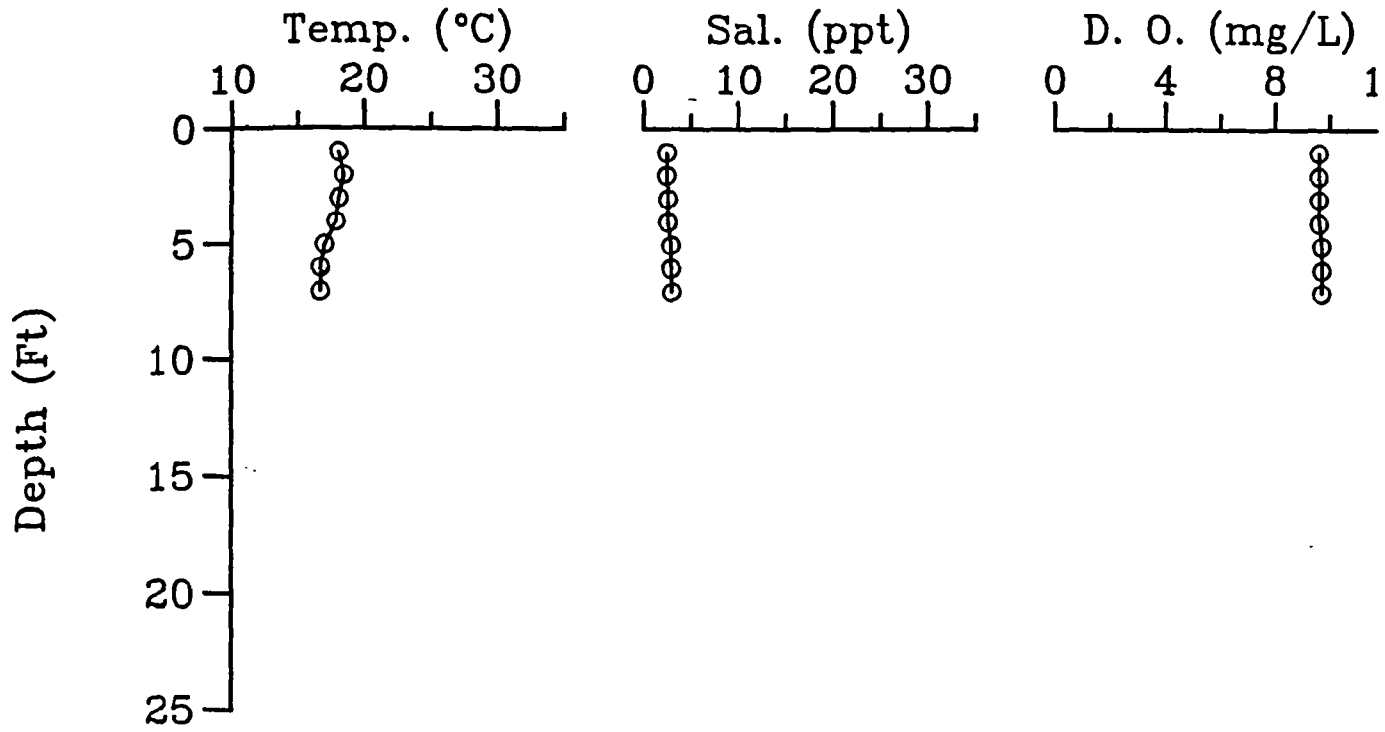
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11
04/10/87
0958



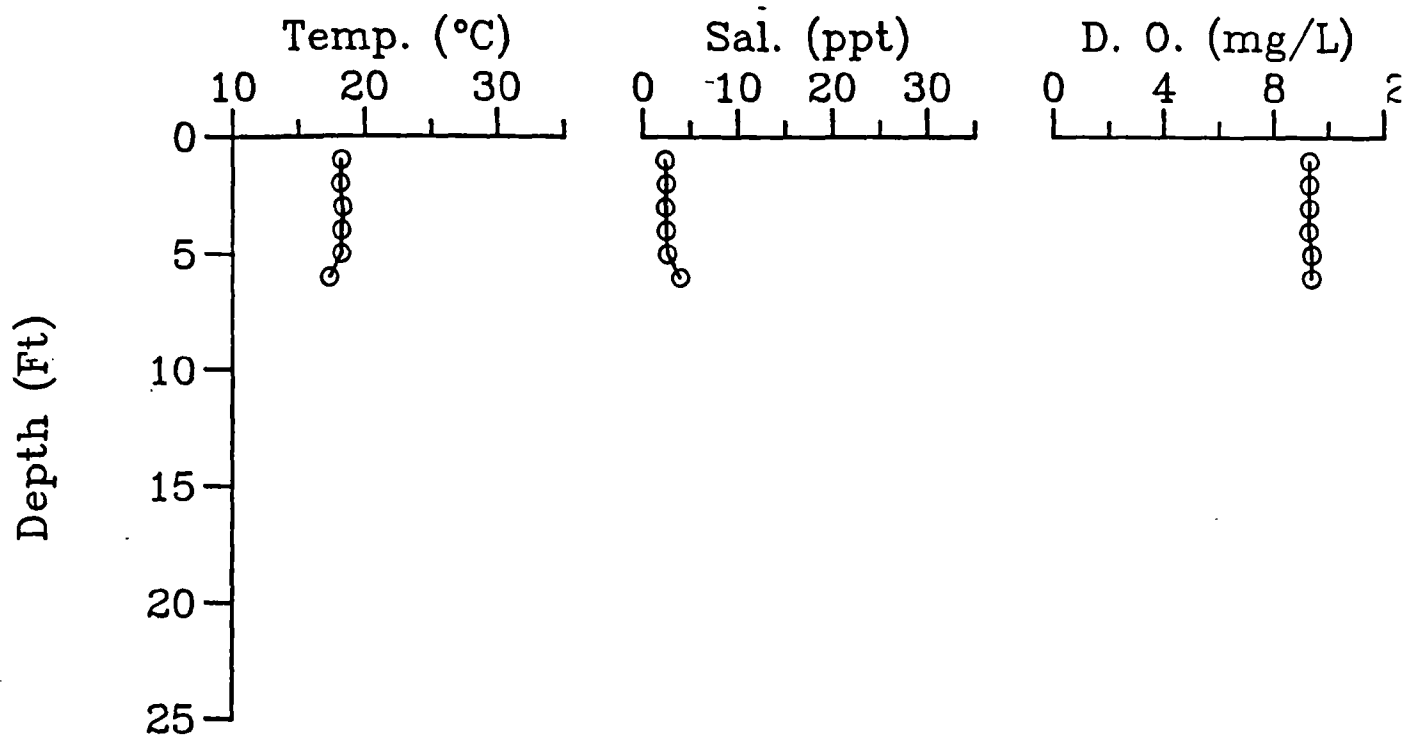
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11
04/09/87
15 22



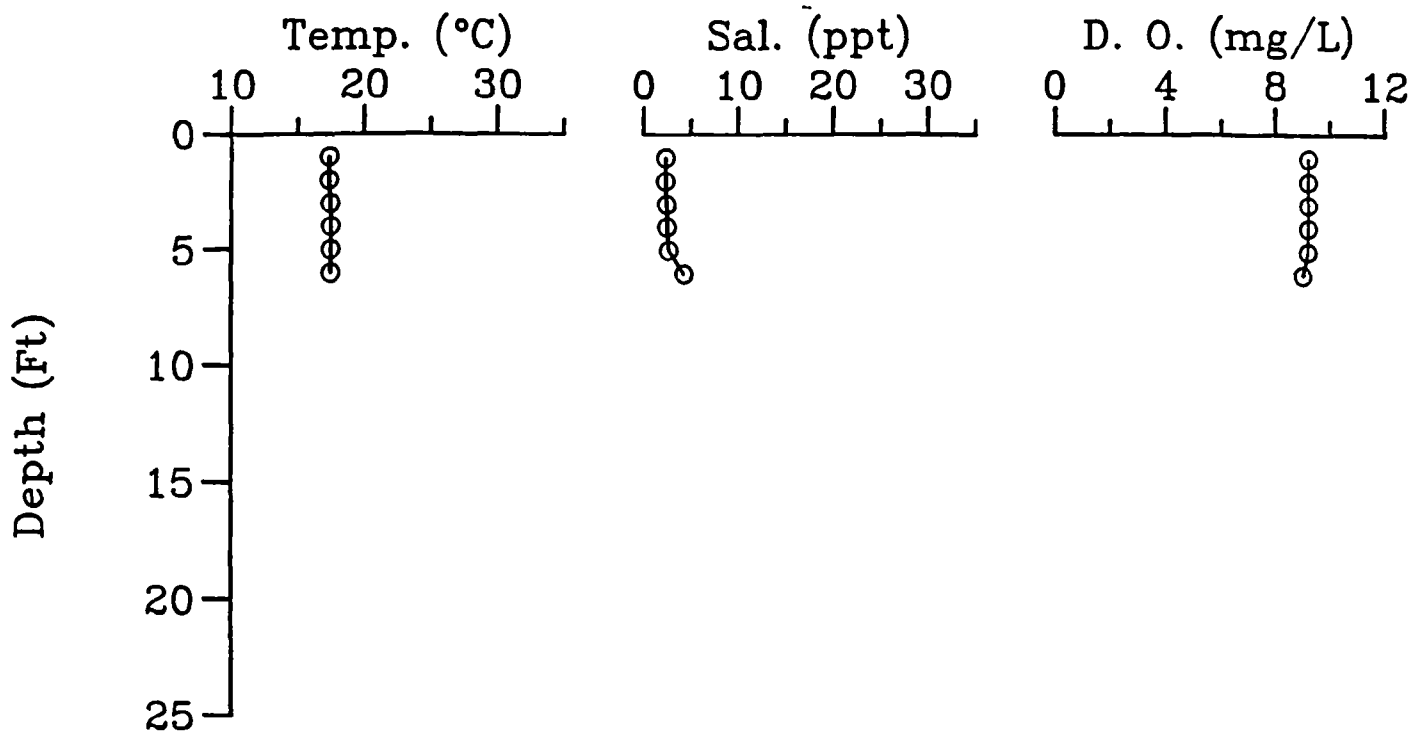
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-10
04/09/87
1548



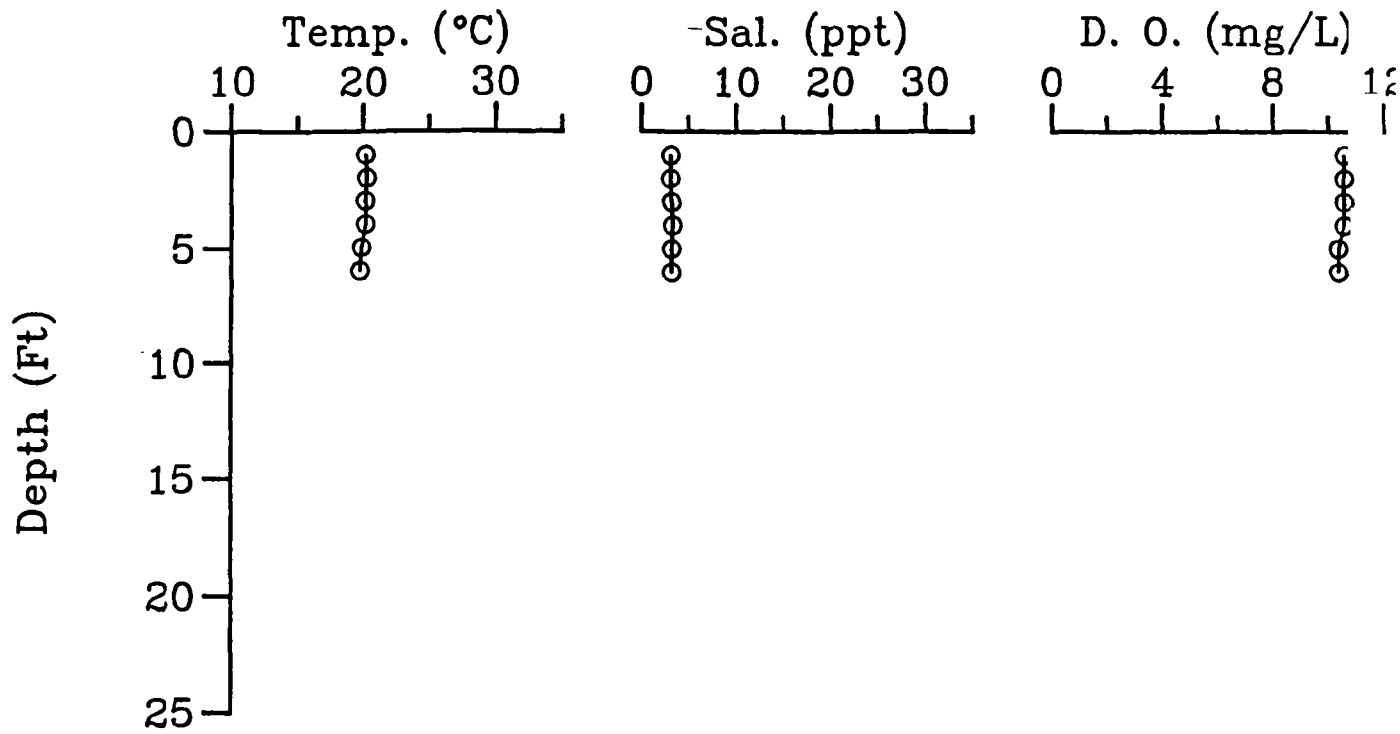
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-10
04/10/87
1008



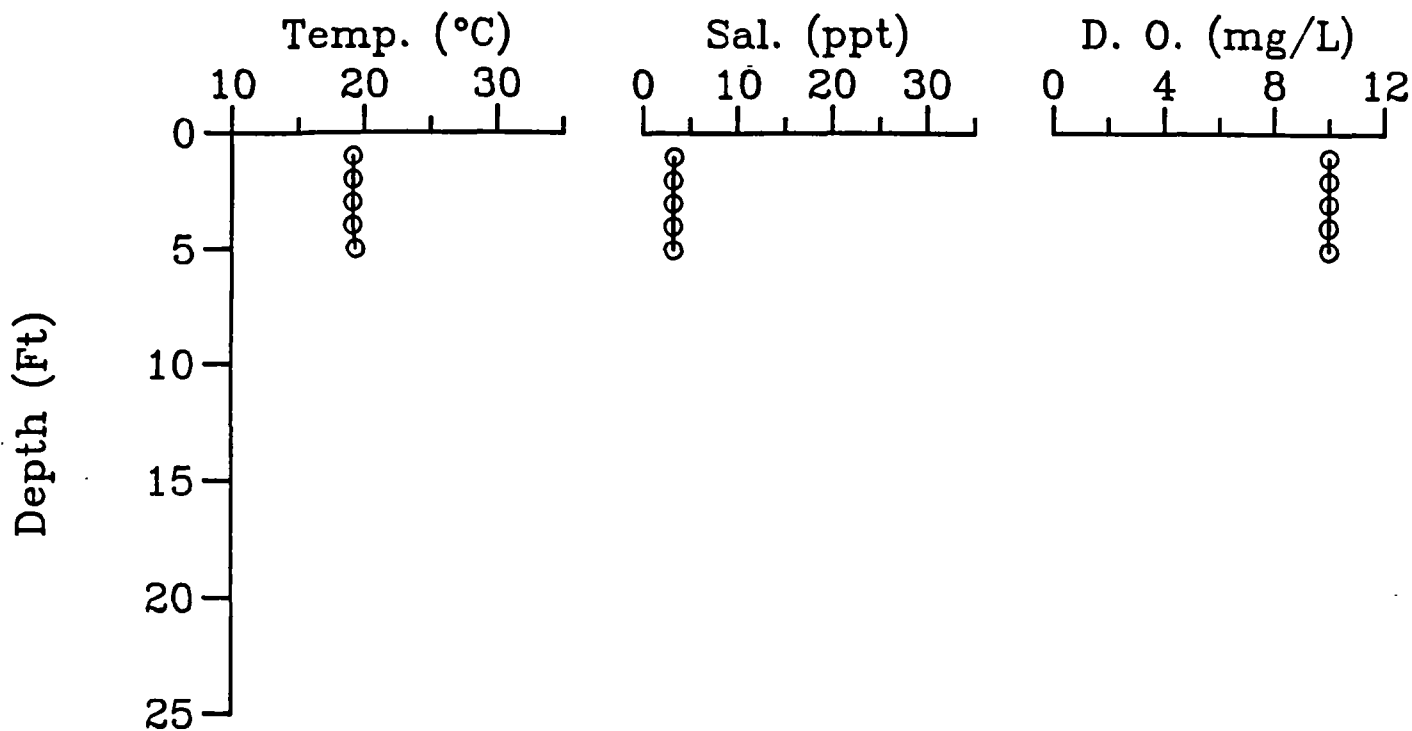
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-9
04/09/87
16.15



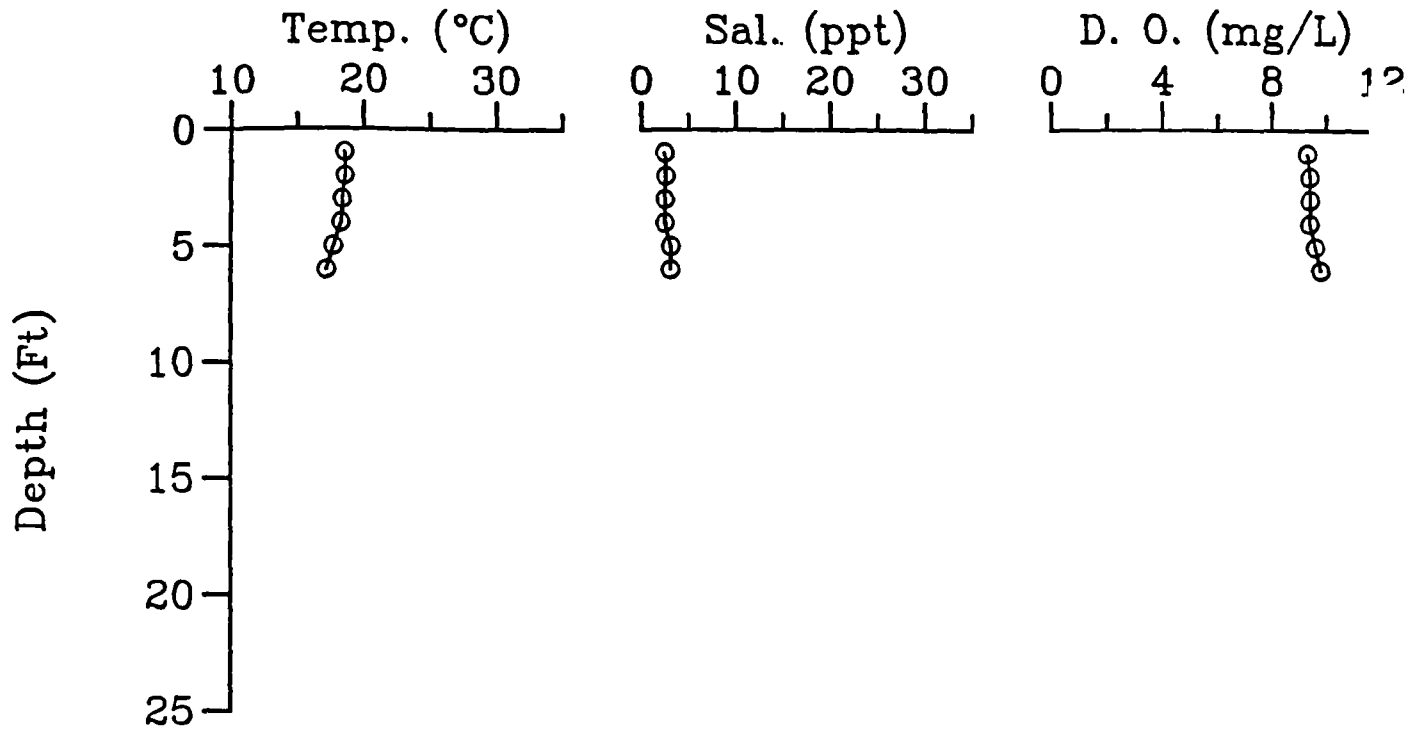
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-9
04/10/87
1032



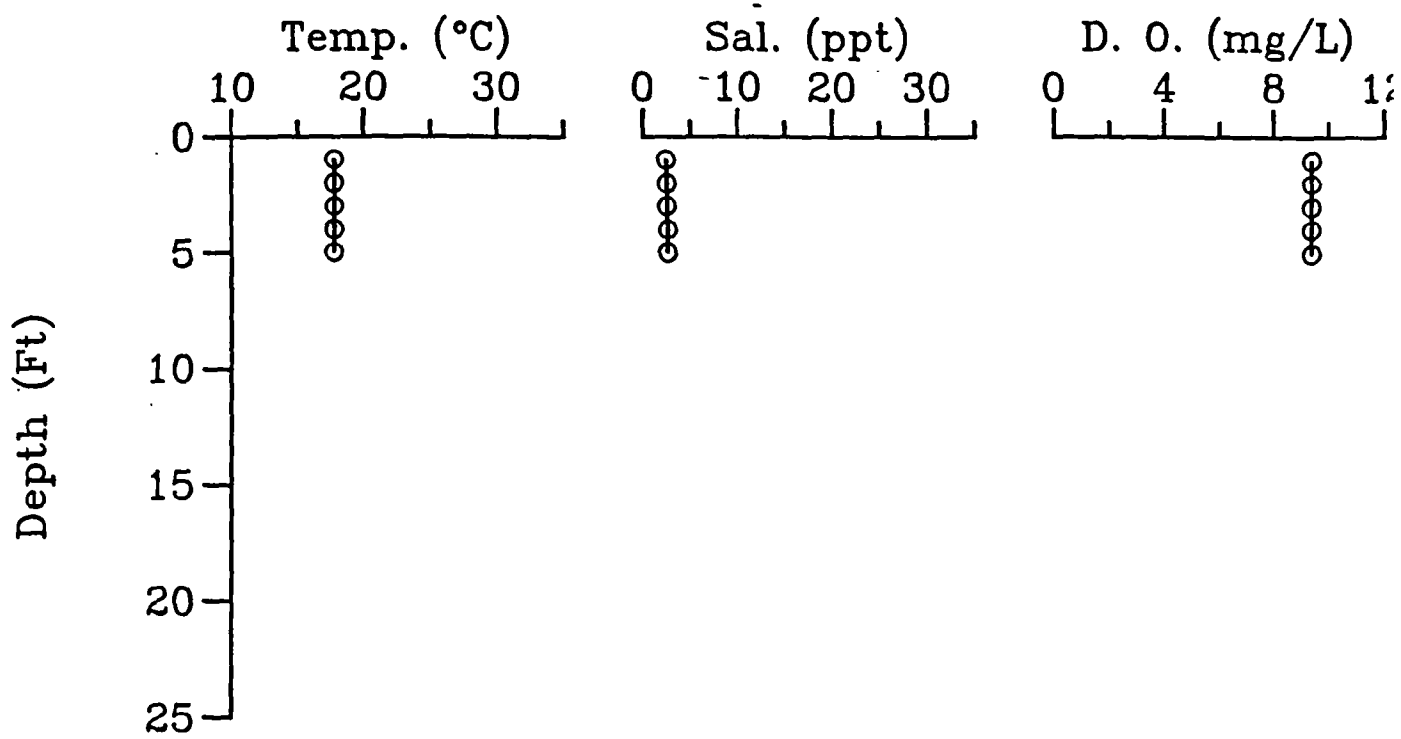
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8
04/09/87
1602



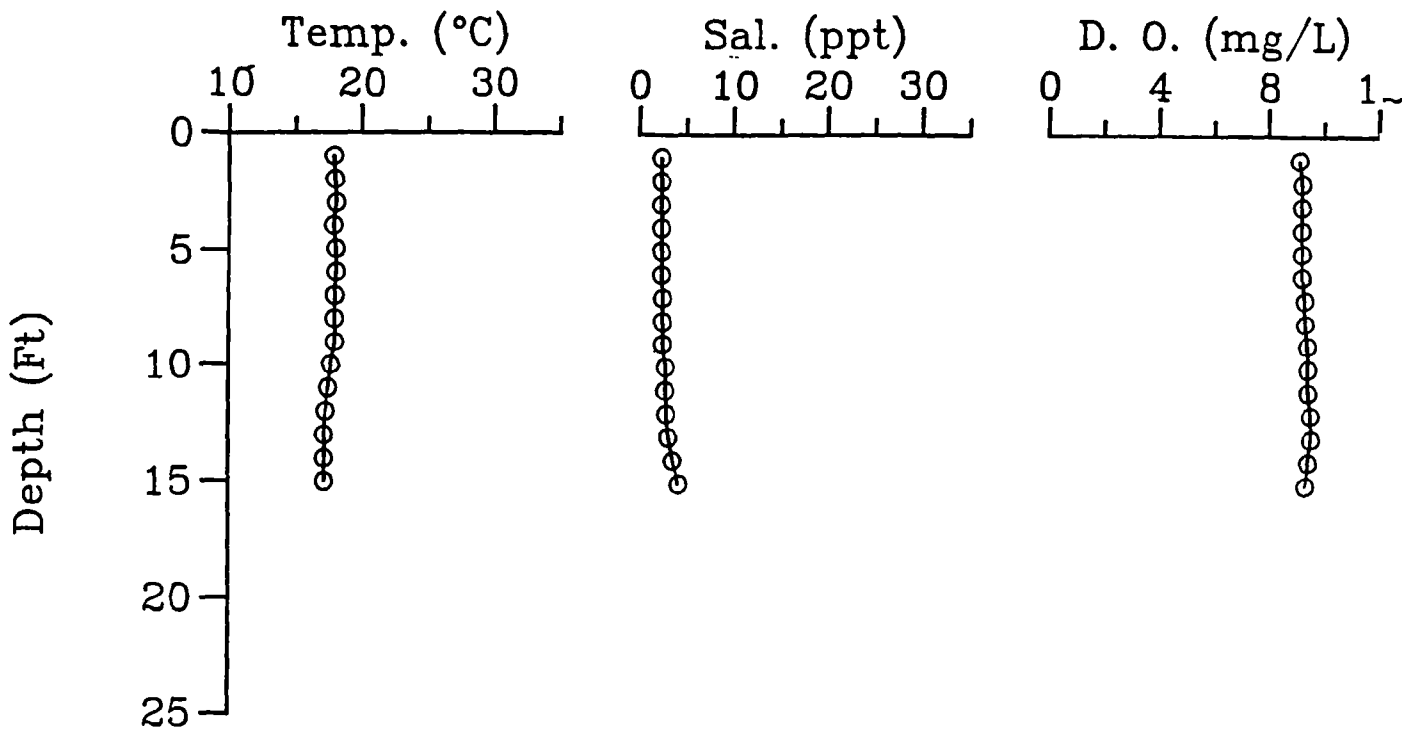
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8
04/10/87
1020



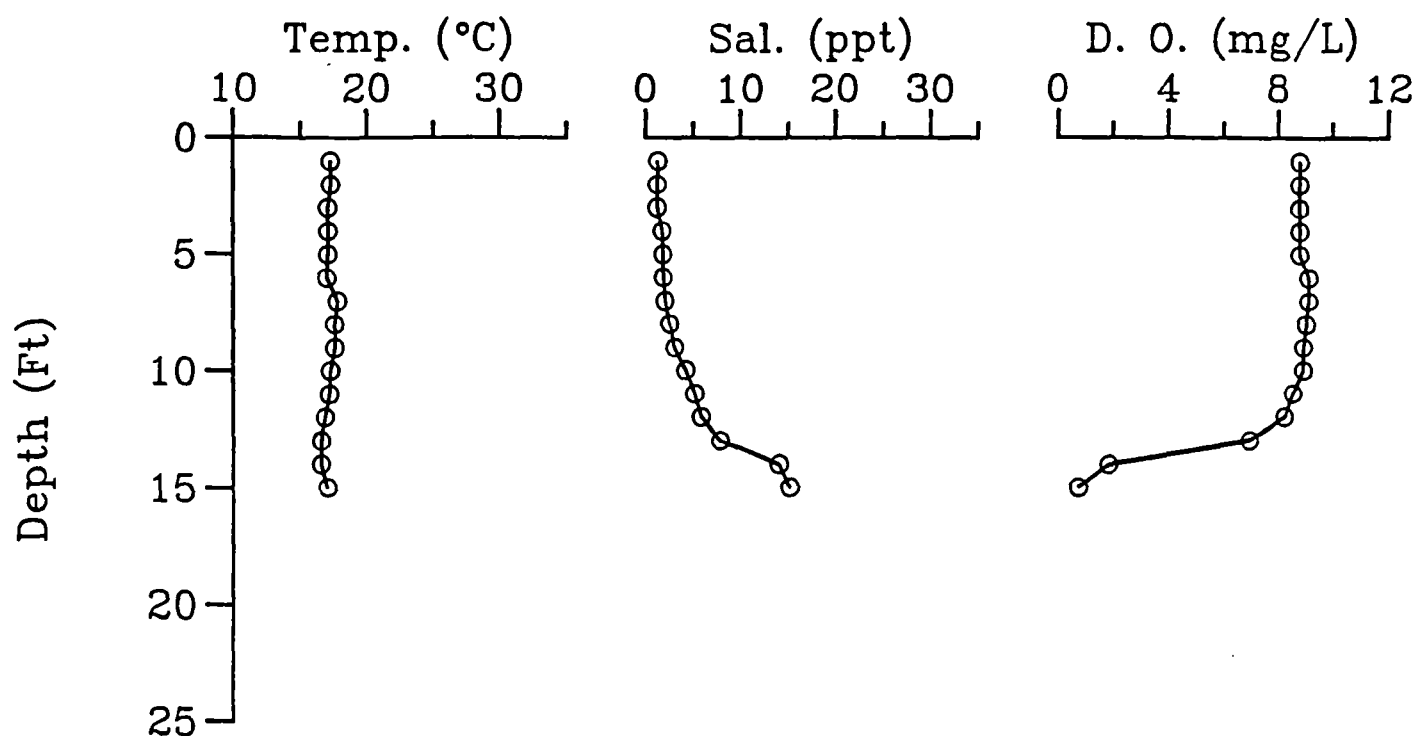
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7
04/09/87
1745



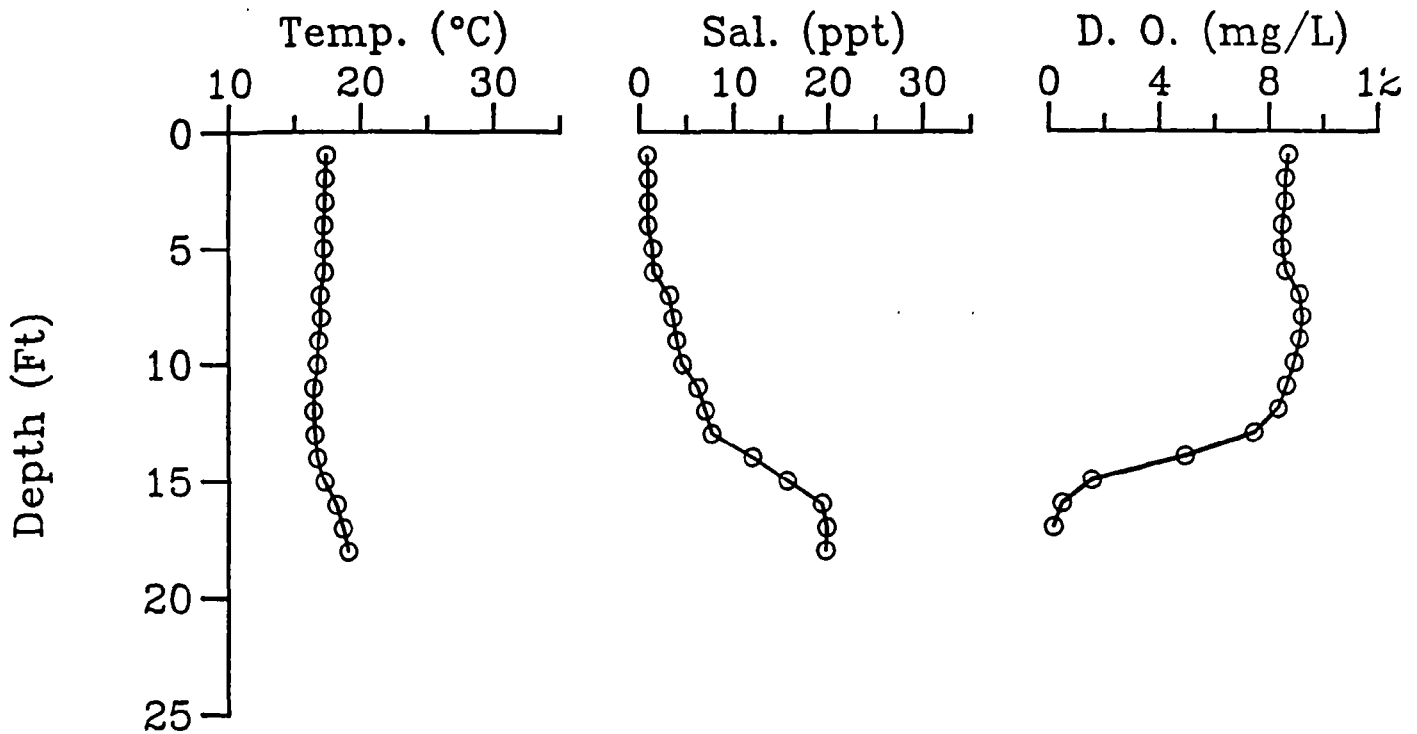
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7
04/10/87
1104



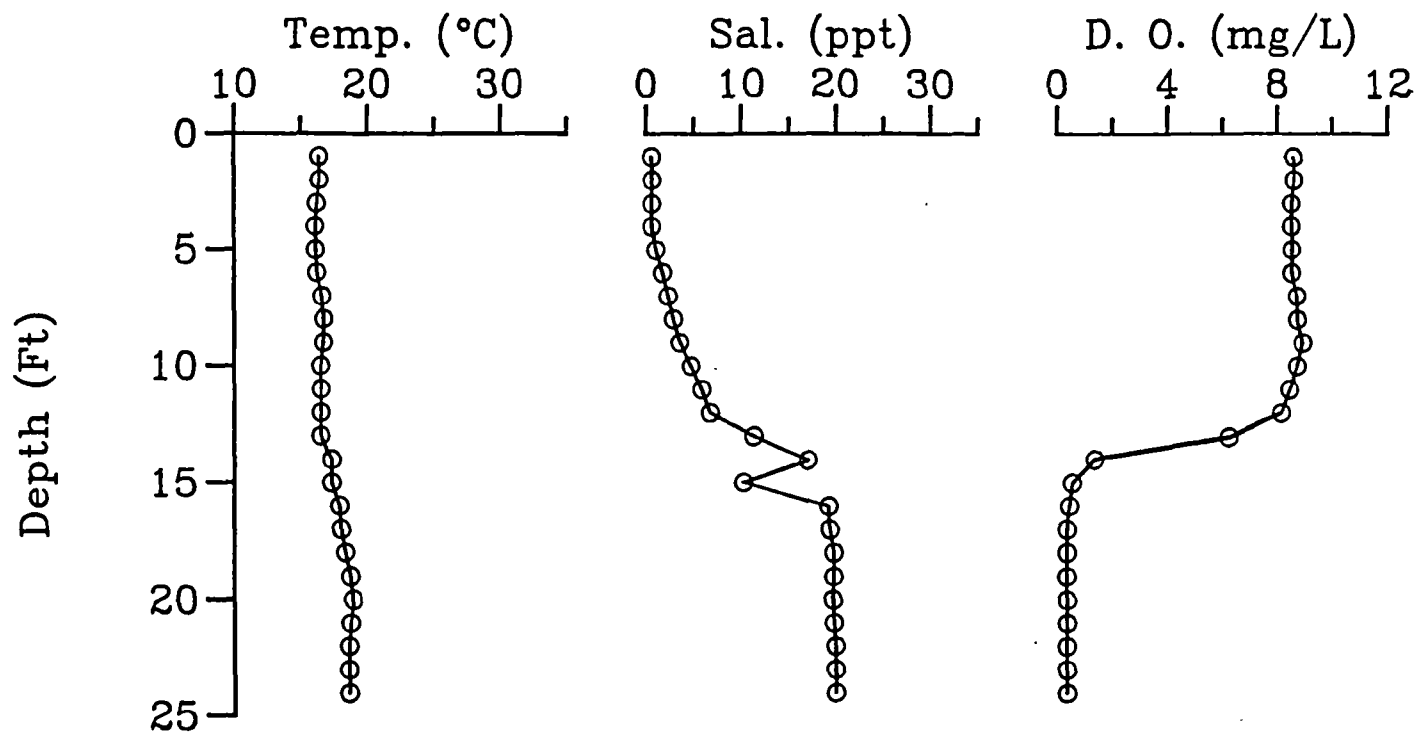
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-6
04/09/87
18 00



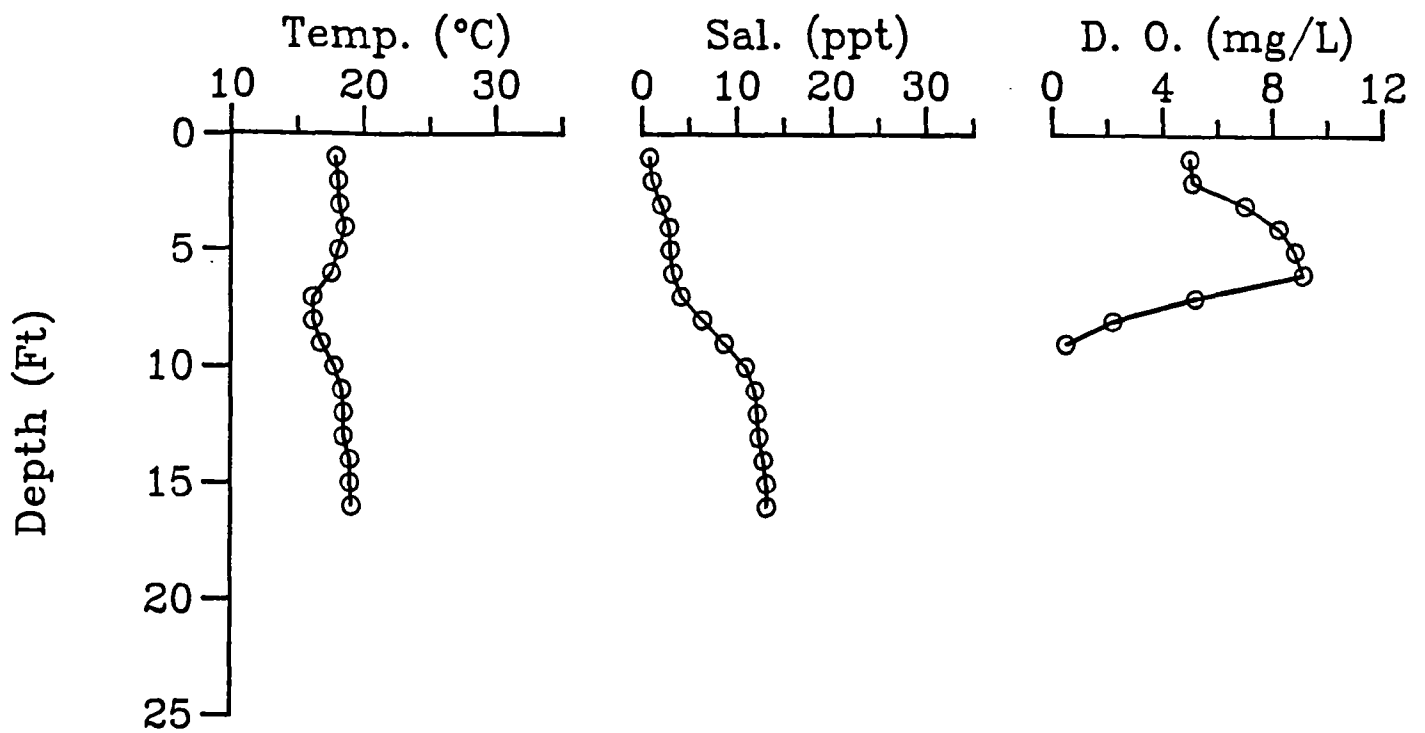
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-6
04/10/87
- 1045



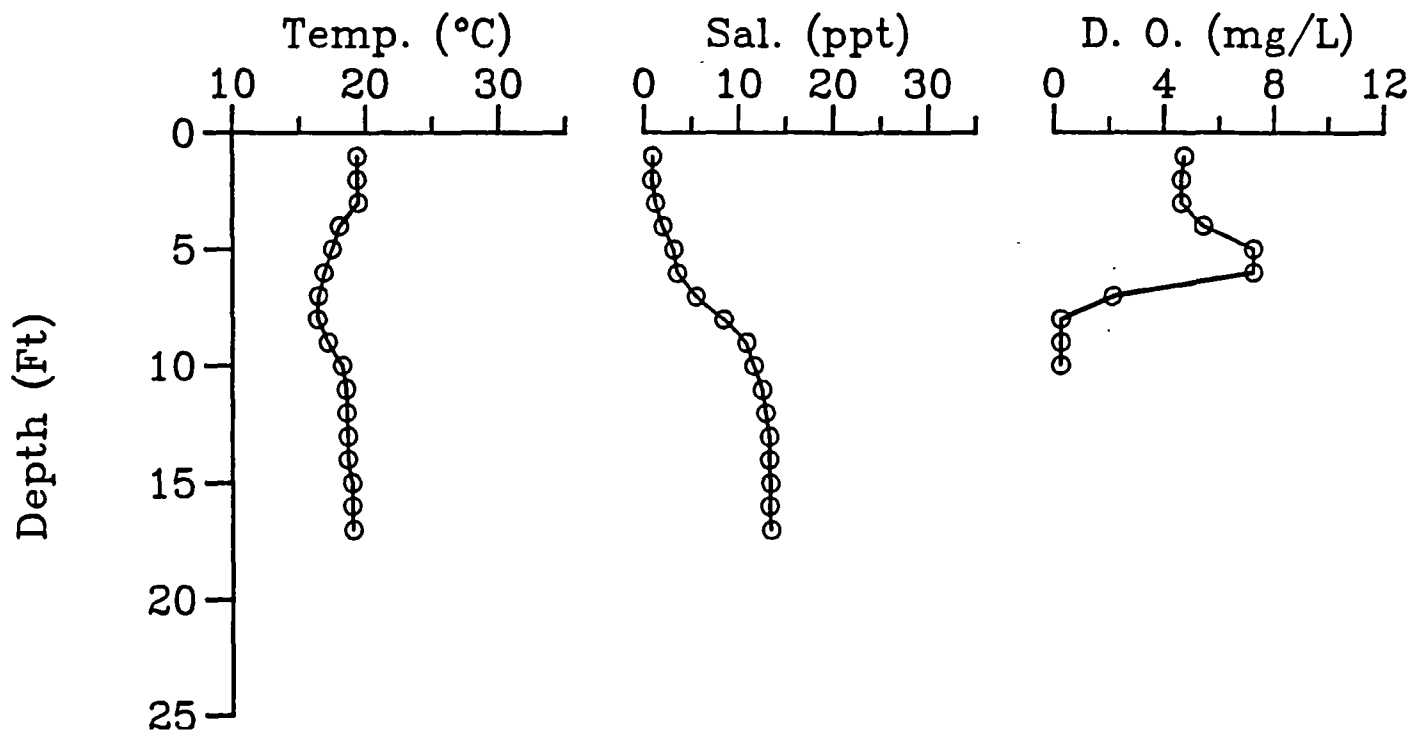
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-4
04/09/87
1720



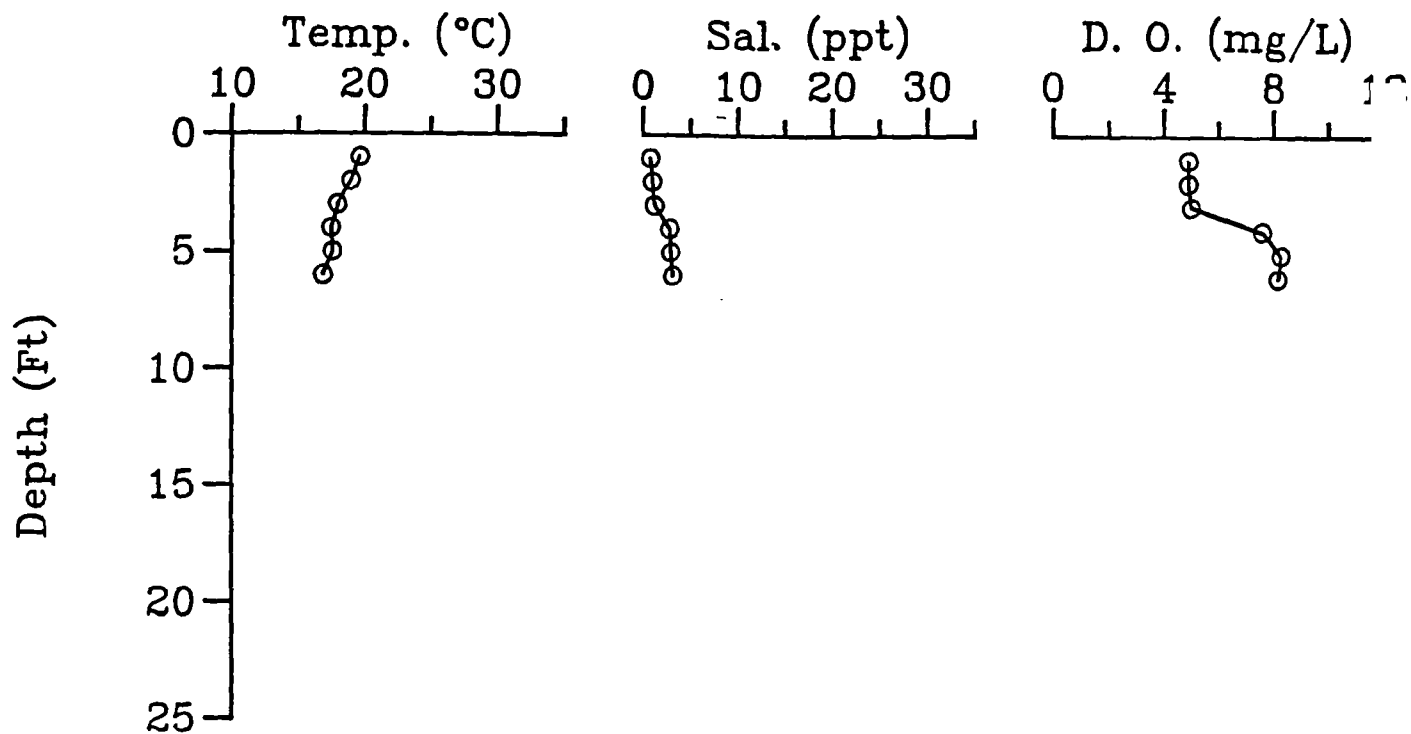
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-4
04/10/87
1125



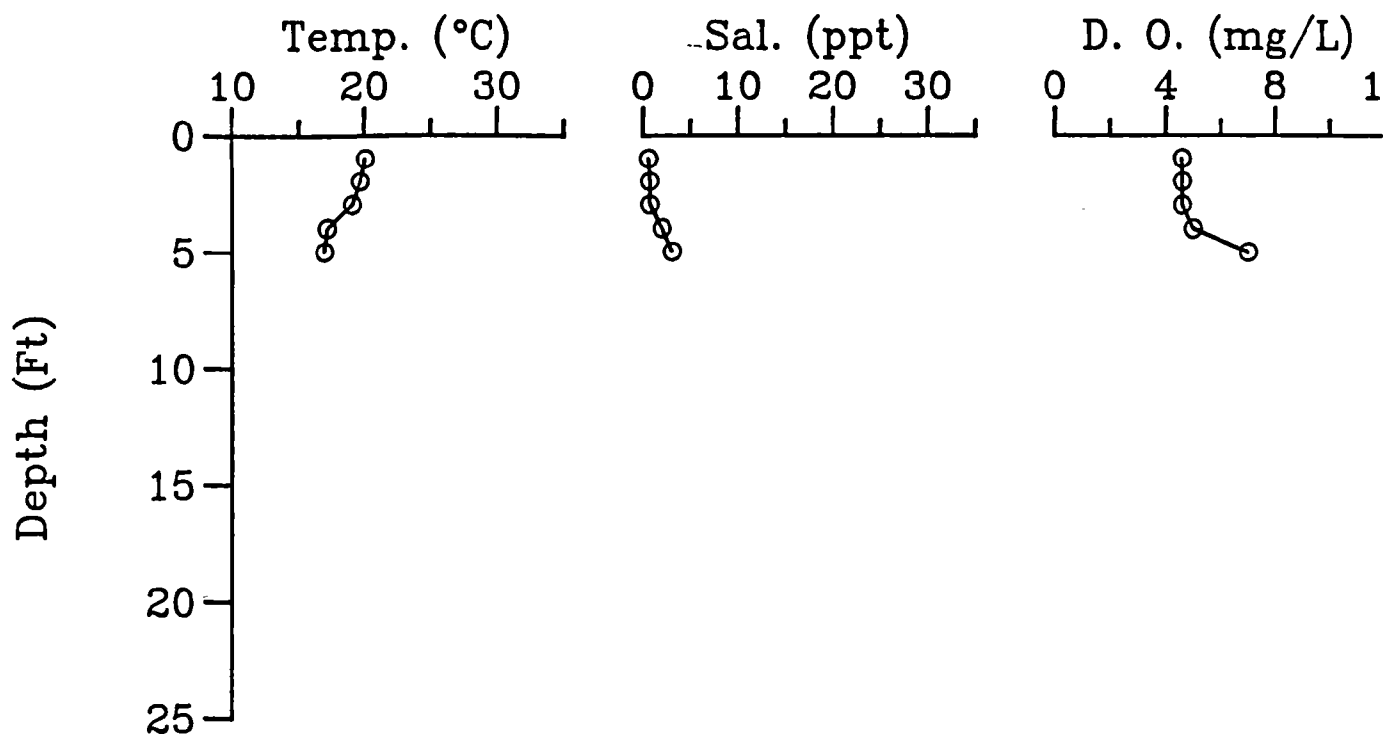
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-3
04/09/87
1709



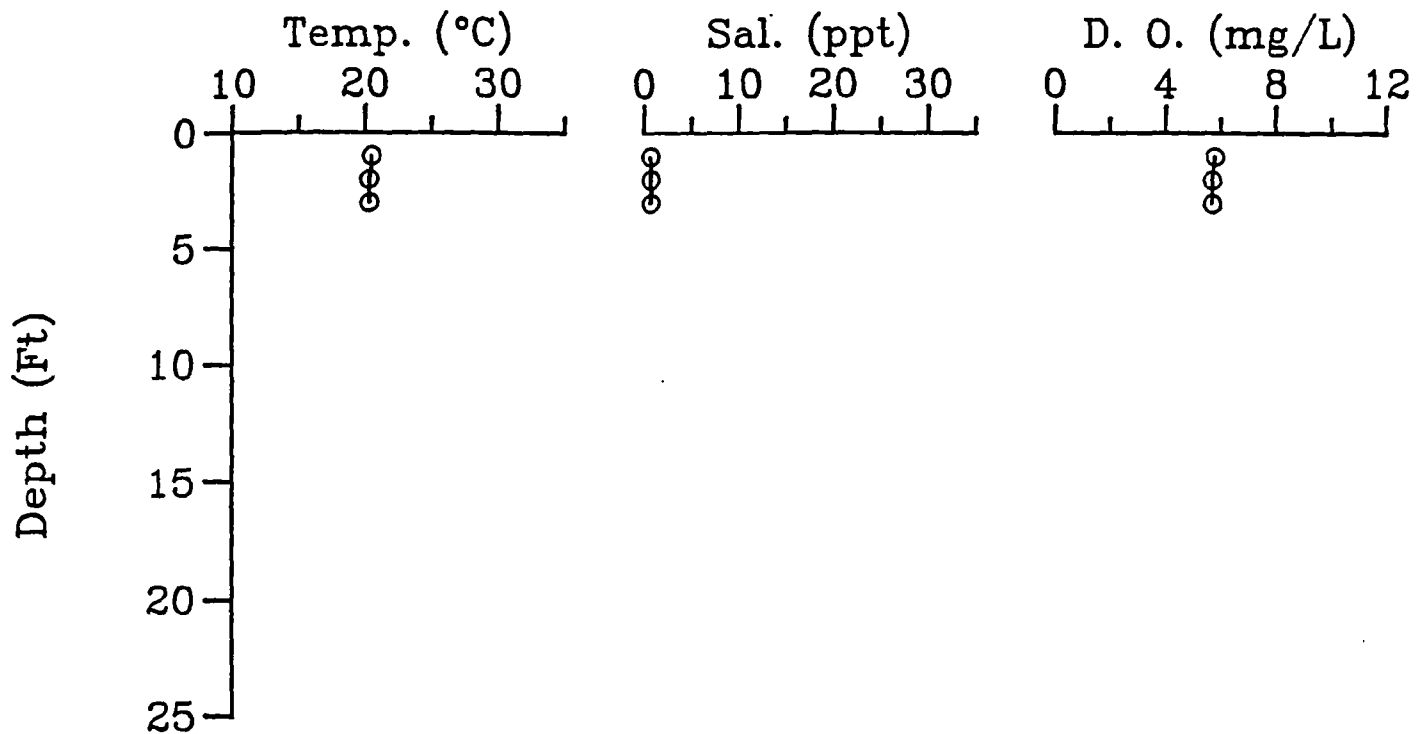
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-3
04/10/87
11 42



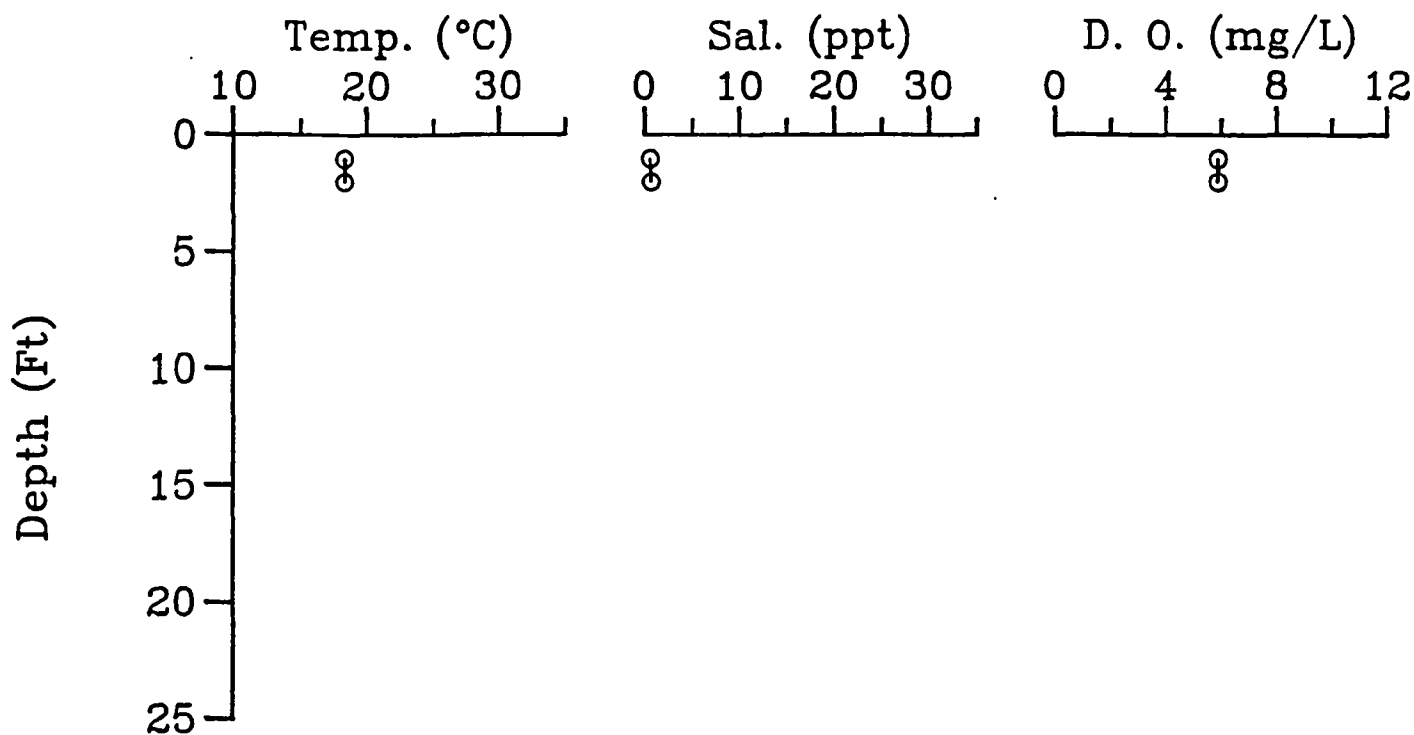
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-2
04/09/87
1650

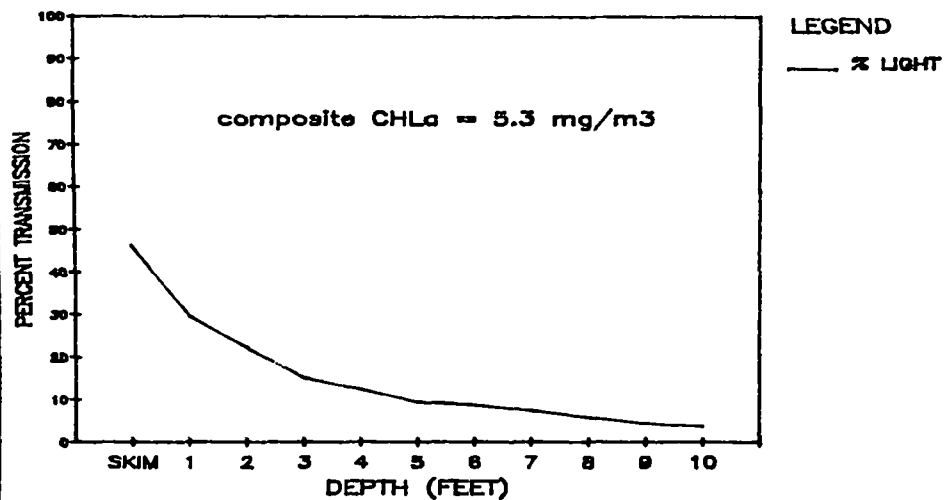


PRELIMINARY-SUBJECT
TO REVISION

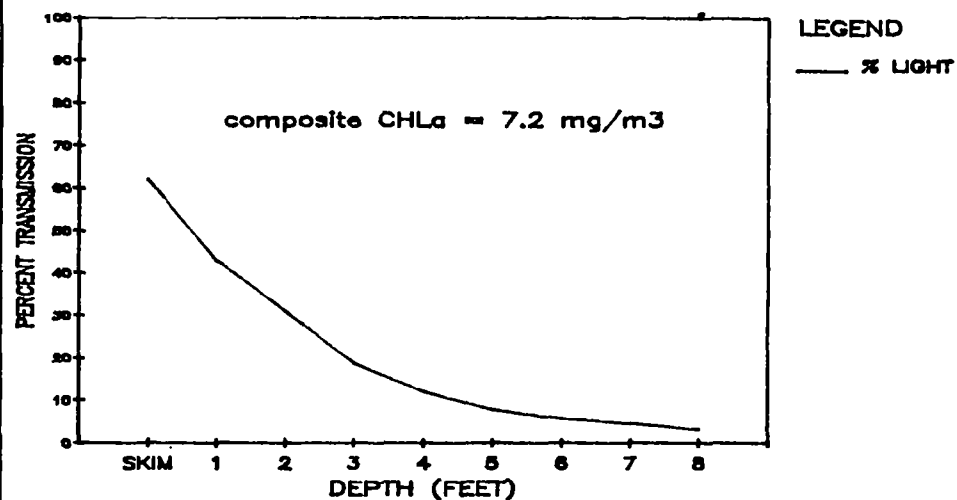
FIGURE
D S T PROFILES
STATION C-2
04/10/87
1200



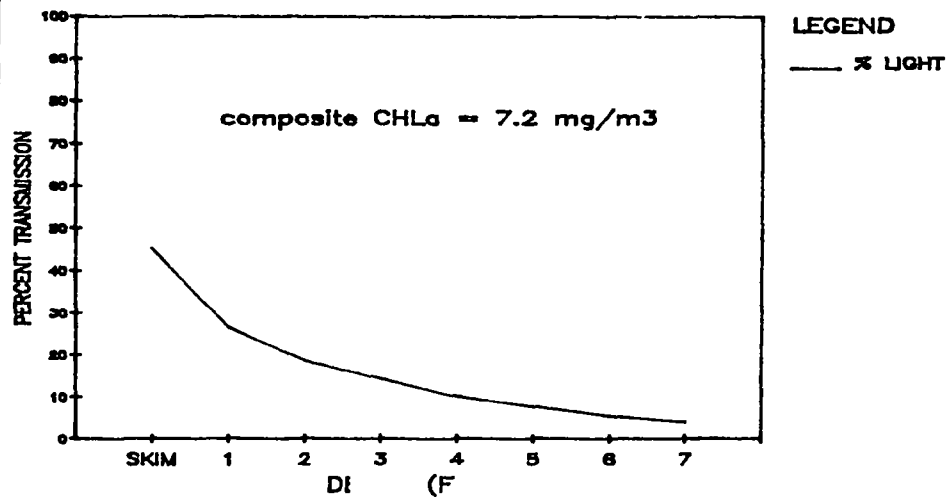
STATION C-17
4/9/87 @ 1405



STATION C-16
4/9/87 @ 1311



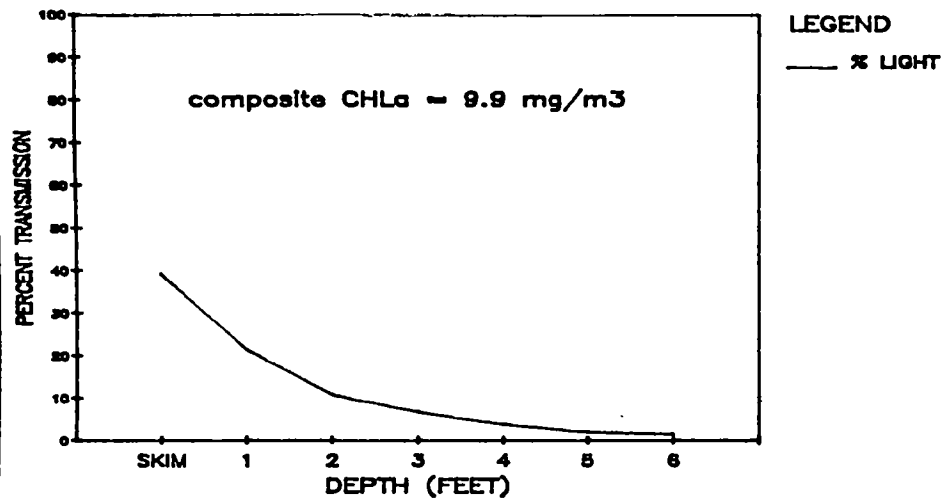
STATION C-15
4/9/87 @ 1405



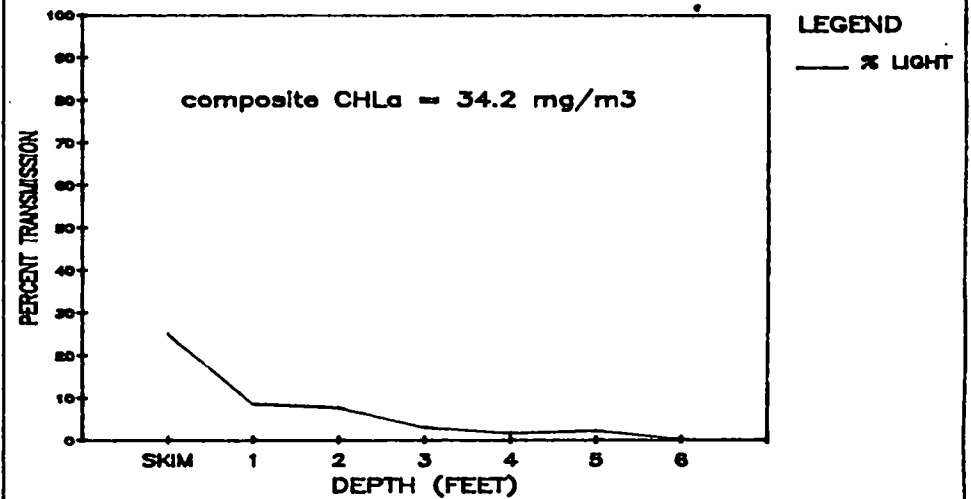
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PRELIMINARY-SUBJECT TO REVISION

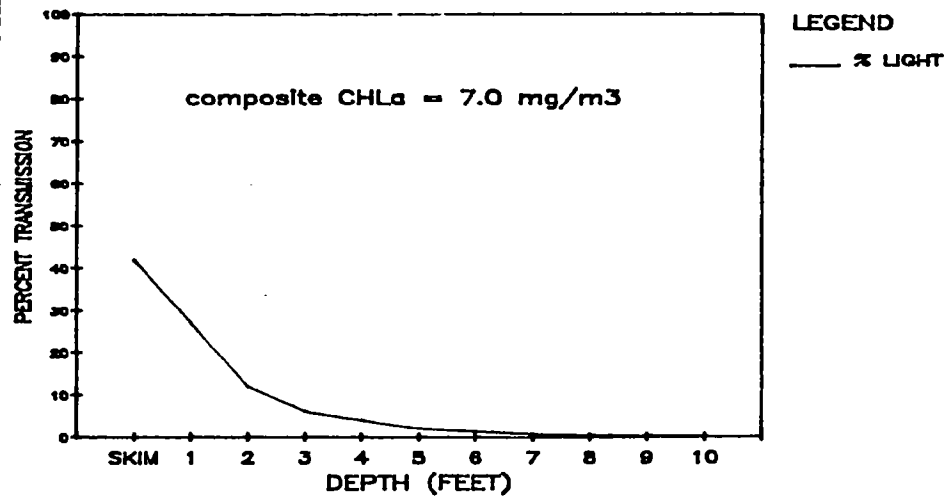
STATION C-11
4/9/87 @ 1522



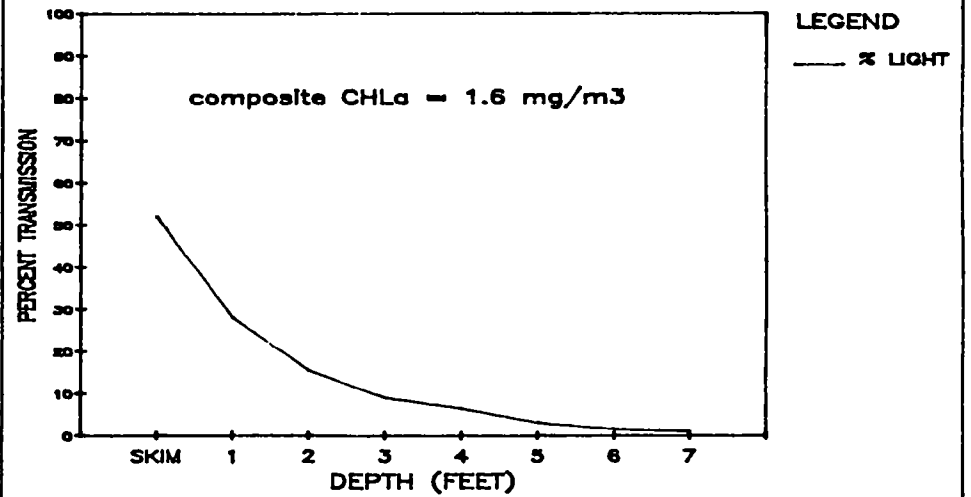
STATION C-9
4/9/87 @ 1615



STATION C-7
4/9/87 @ 1743



STATION C-6
4/9/87 @ 1759

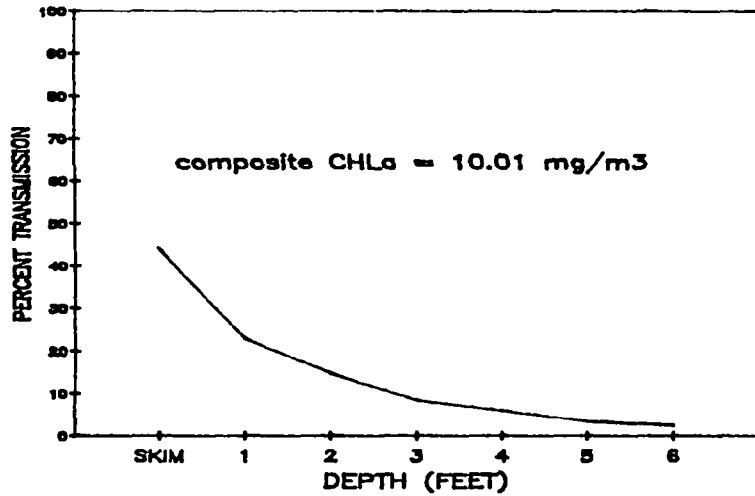


3.5/

PRELIMINARY-SUBJECT TO REVISION

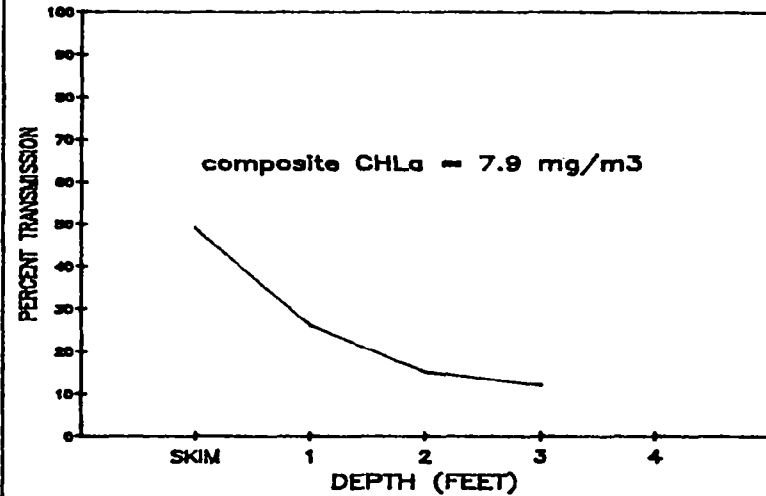
STATION C-14
4/9/87 @ 1435

LEGEND
— % LIGHT



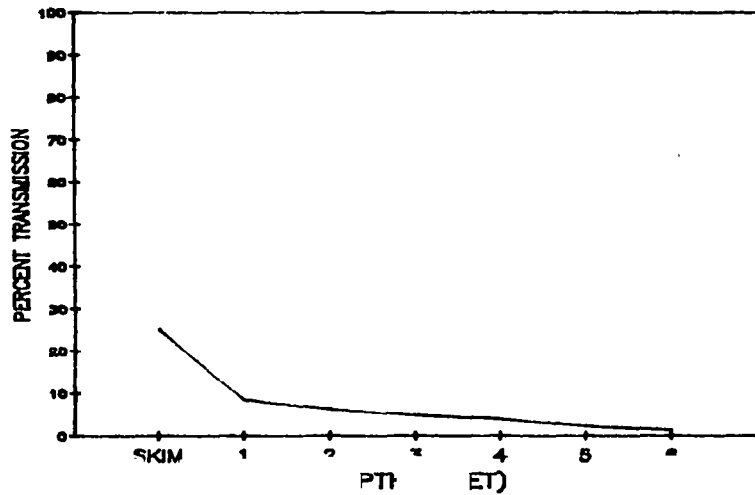
STATION C-13
4/9/87 @ 1452

LEGEND
— % LIGHT



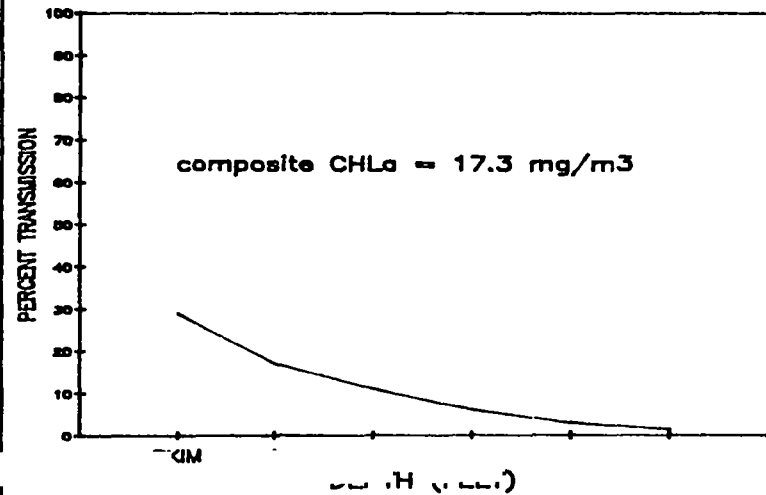
STATION C-10
4/9/87 @ 1547

LEGEND
— % LIGHT



STATION C-12
4/9/87 @ 1507

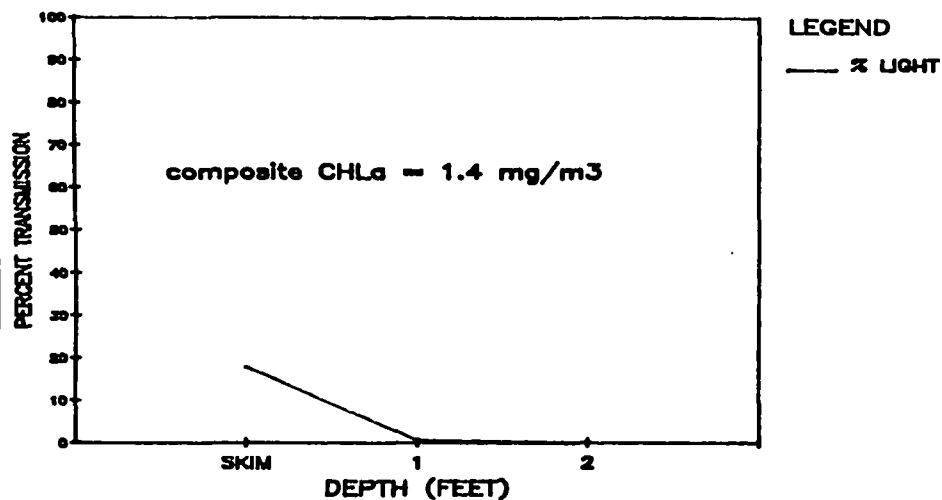
LEGEND
— % LIGHT



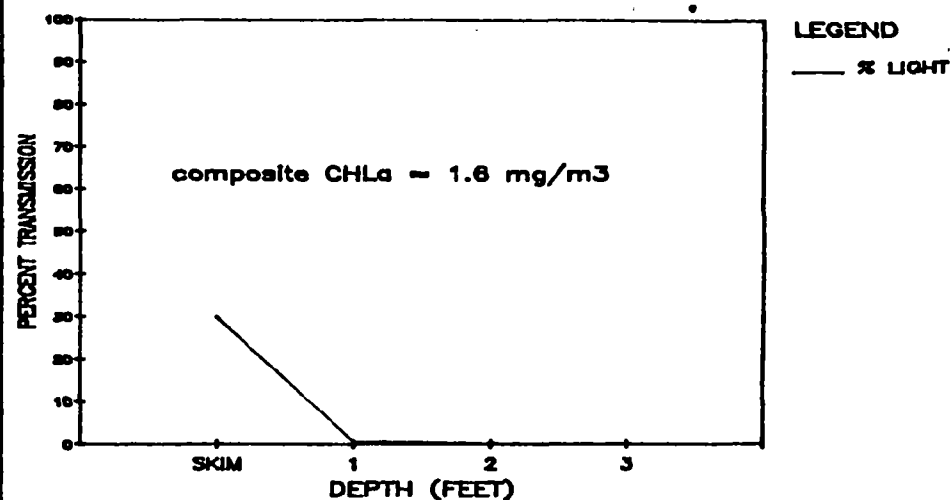
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PRELIMINARY-SUBJECT TO REVISION

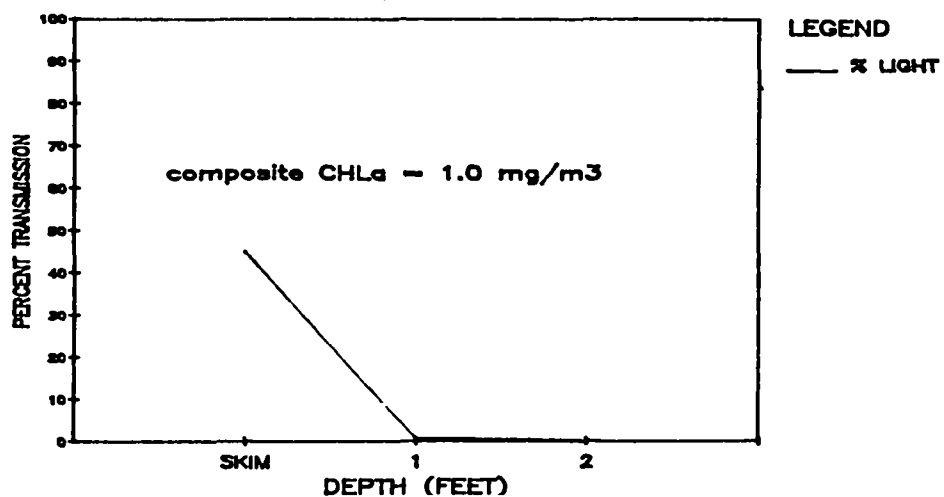
STATION C-2
4/9/87 @ 1650



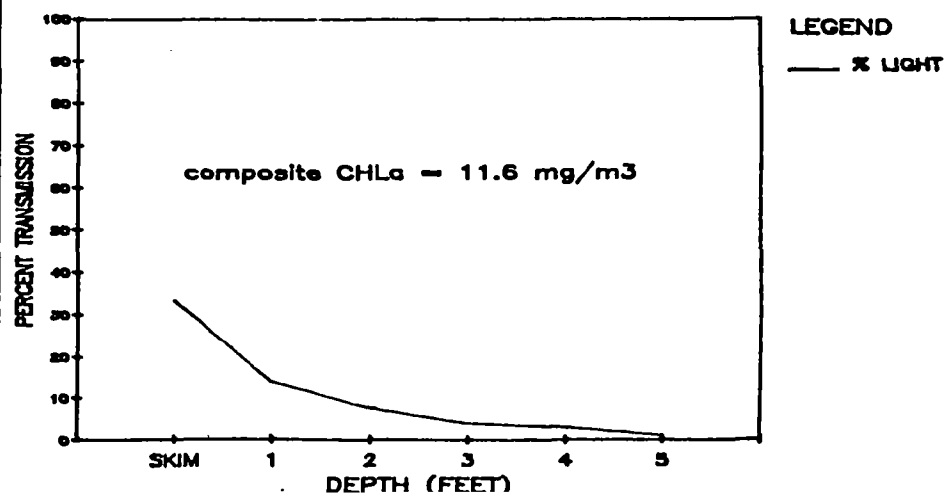
STATION C-3
4/9/87 @ 1708



STATION C-4
4/9/87 @ 1720



STATION C-8
4/9/87 @ 1605



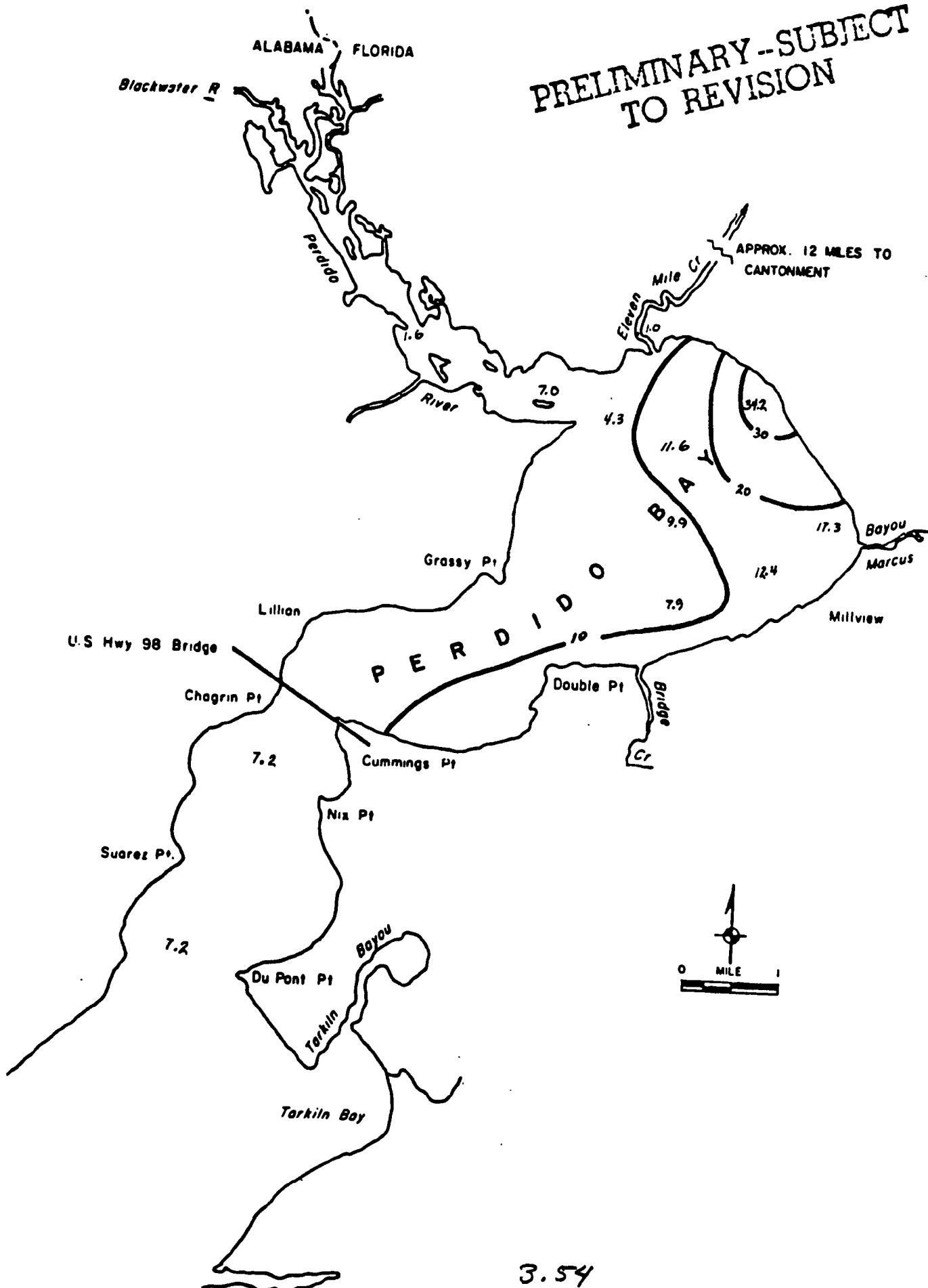
FIGURE

CHLOROPHYLL a CONCENTRATIONS

APRIL 9, 1987

PERDIDO BAY

PRELIMINARY--SUBJECT
TO REVISION



SURVEY #3

July 1987

PRELIMINARY--SUBJECT
TO REVISION

PERDIDO BAY BASINWIDE LOADING
ALABAMA-FLORIDA
JULY, 1997

STATION DESCRIPTION	DATE	FLOW CFS	%	PHJ-N MG/L LB/DAY %	TKN MG/L LB/DAY %	NO2-NO3 MG/L LB/DAY %	TOTAL-P MG/L LB/DAY %	TSS MG/L LB/DAY %	TOC MG/L LB/DAY %
L-1 PERDIDO R.	JULY 23	350.9	42	0.05 95 19	0.18 340 6	0.18 340 21	0.05 95 10	4.00 7562 27	3.40 6428 16
L-2 STYX R.	JULY 23	210.3	26	0.08 94 19	0.47 553 9	0.18 212 13	0.16 188 19	5.00 5081 21	6.20 7292 19
L-3 BLACKWATER R.	JULY 23	150.6	18	0.08 65 13	4.80 3895 66	0.59 479 29	0.47 381 39	6.00 4868 17	6.69 5355 14
L-4 ELEVEN MILE C.	JULY 23	72.6	9	0.59 231 46	2.50 978 17	1.30 508 31	0.68 266 27	24.00 9387 33	49.00 19166 49
L-5 BAYOU MARCUS	JULY 23	34.6	4	0.05 9 2	0.48 89 2	0.31 58 4	0.03 6 1	2.00 373 1	3.90 727 2
L-9 AVONDALE WWTP	JULY 23	1.6	0	0.52 5 1	3.00 26 0	3.20 28 2	5.60 49 5	6.00 53 0	11.00 97 0
TOTALS		828.6	100	498 100	5881 100	1625 100	985 100	28124 100	39064 100
L-7 CHAMPION	JULY 23	30.8	4	2.80 465 93	7.90 1311 22	0.21 35 2	0.62 103 10	48.00 7965 28	120.00 19913 51
L-8 CANTONMENT WWTP	JULY 23	0.3	0	5.00 9 2	10.70 18 0	4.00 7 0	5.90 18 1	16.00 28 0	19.00 33 0

4.2

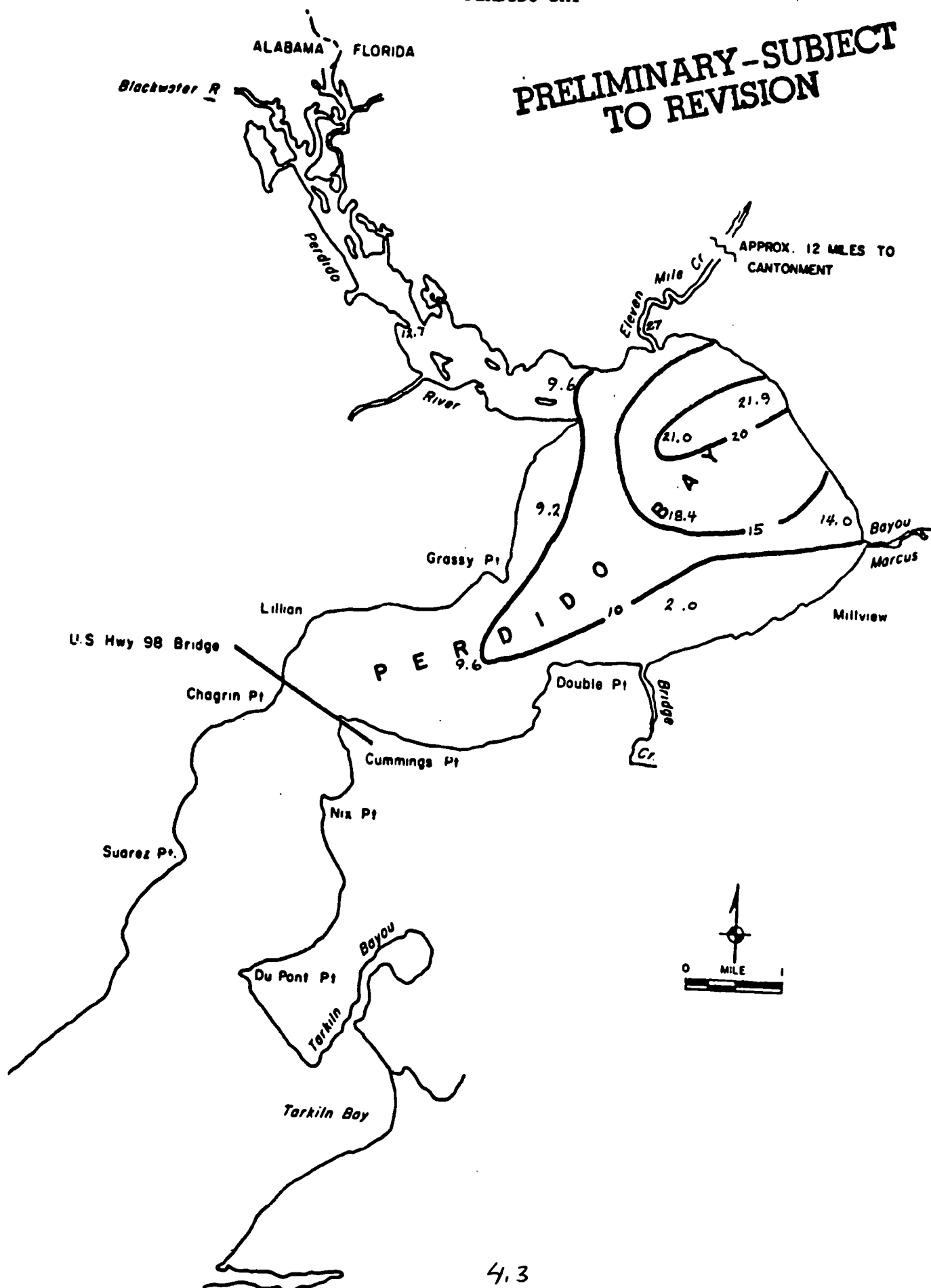
FIGURE

CHLOROPHYLL a CONCENTRATIONS

JULY 24, 1987

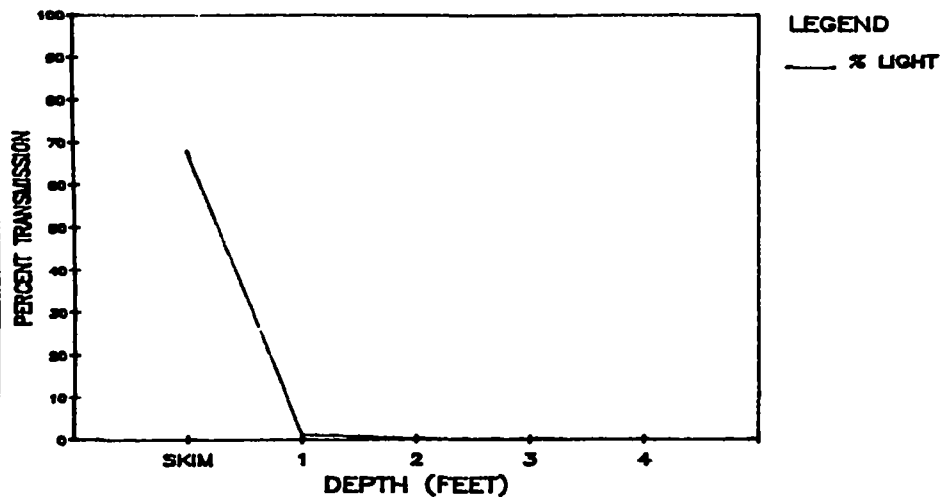
PERDIDO BAY

PRELIMINARY-SUBJECT
TO REVISION

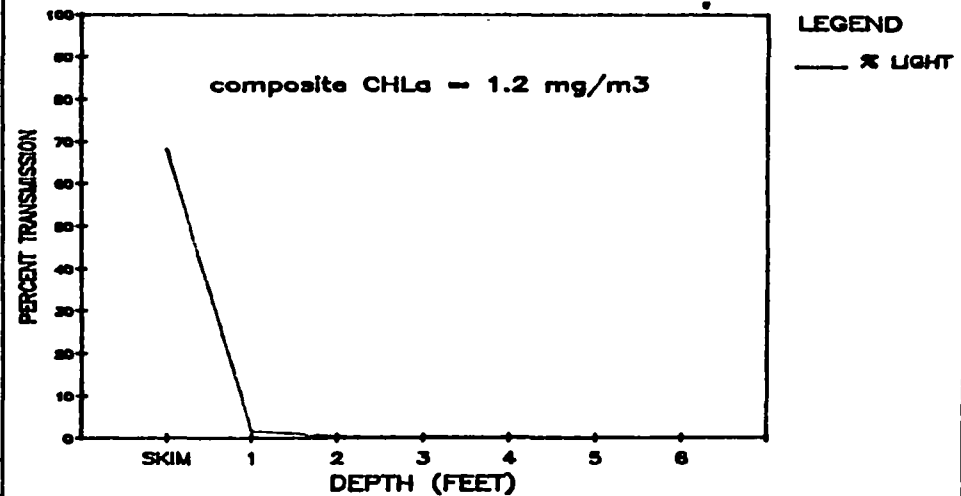


PRELIMINARY-SUBJECT TO REVISION

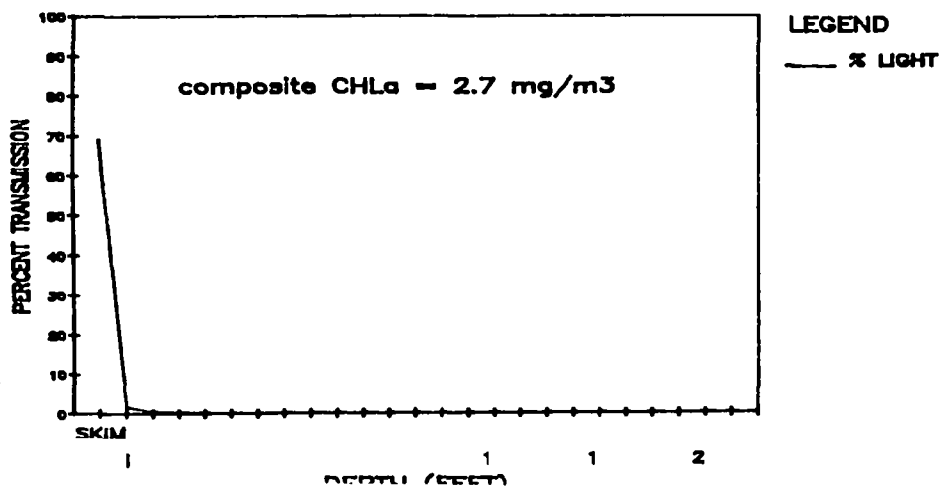
STATION C-2
7/24/87 @ 1210



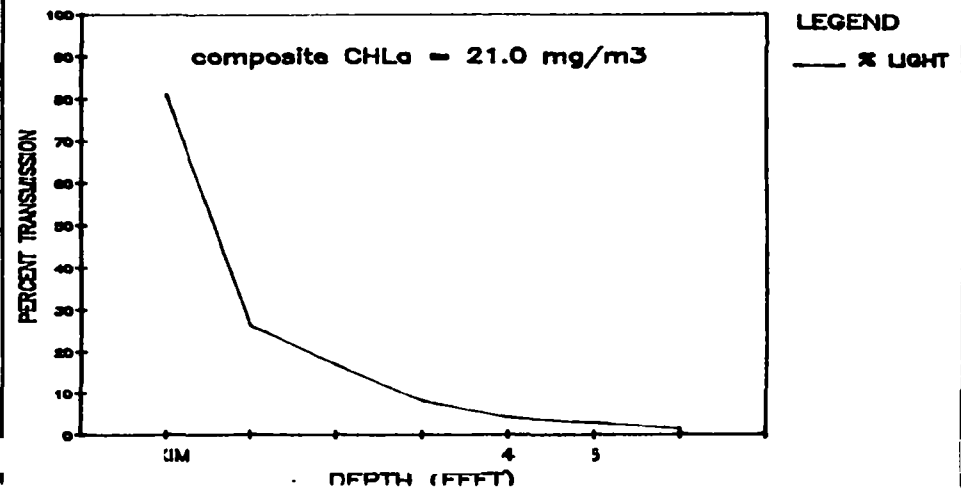
STATION C-3
7/24/87 @ 1050



STATION C-4
7/24/87 @ 1300

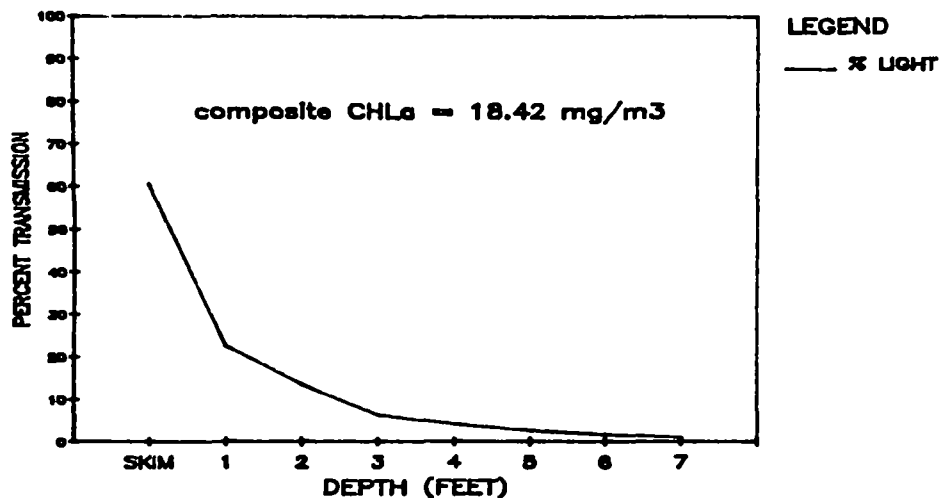


STATION C-8
7/24/87 @ 1630

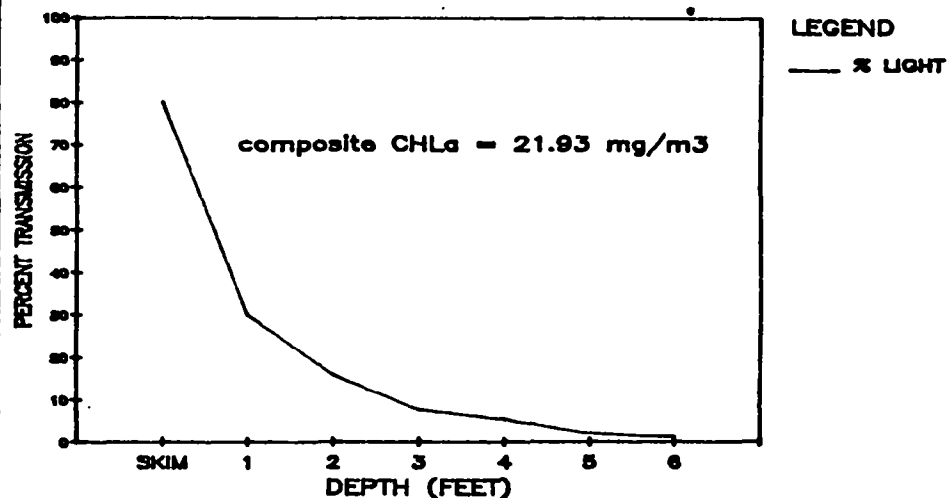


PRELIMINARY-SUBJECT
TO REVISION

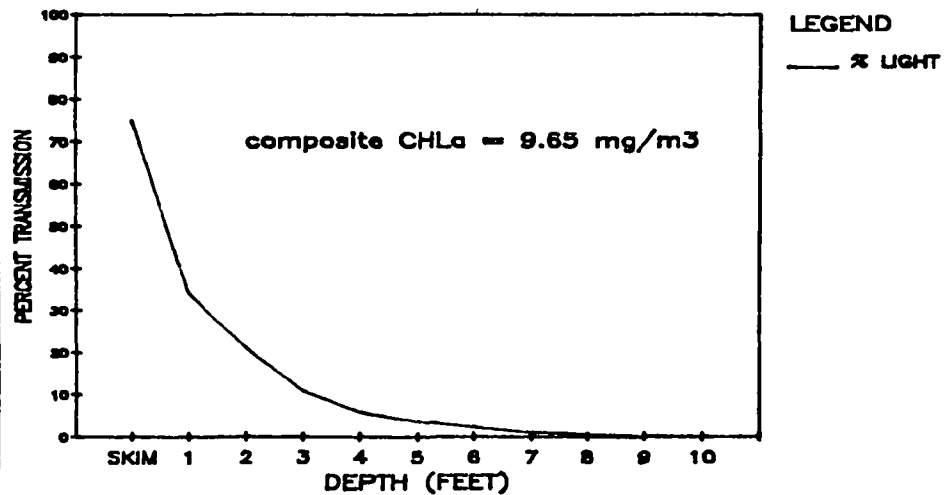
STATION C-11
7/24/87 @ 1540



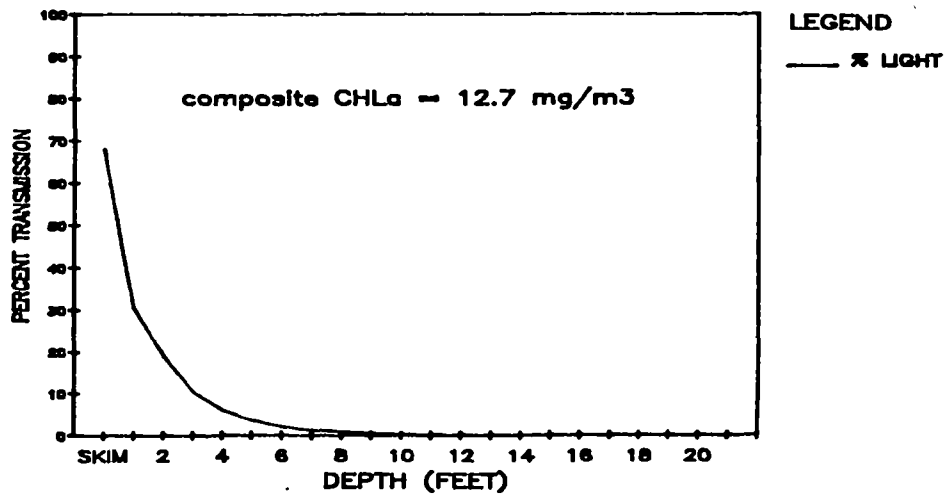
STATION C-9
7/24/87 @ 1500



STATION C-7
7/24/87 @ 1345



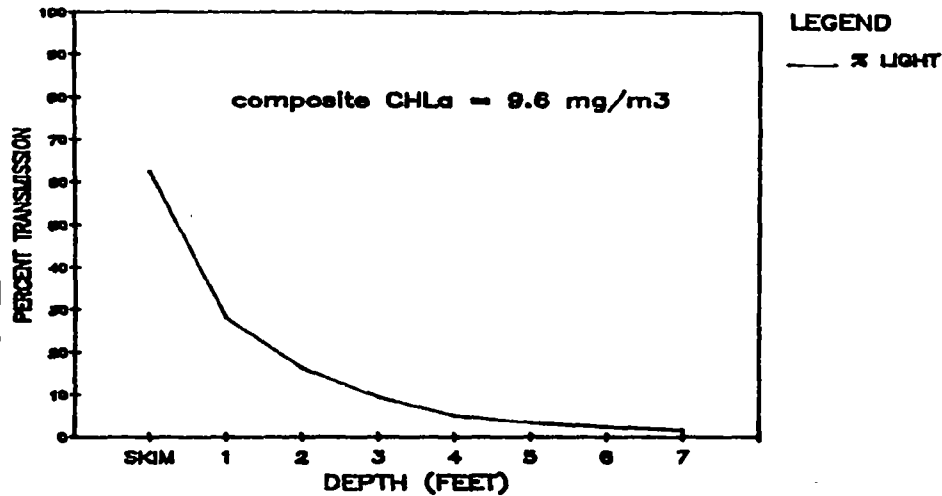
STATION C-6
7/24/87 @ 1415



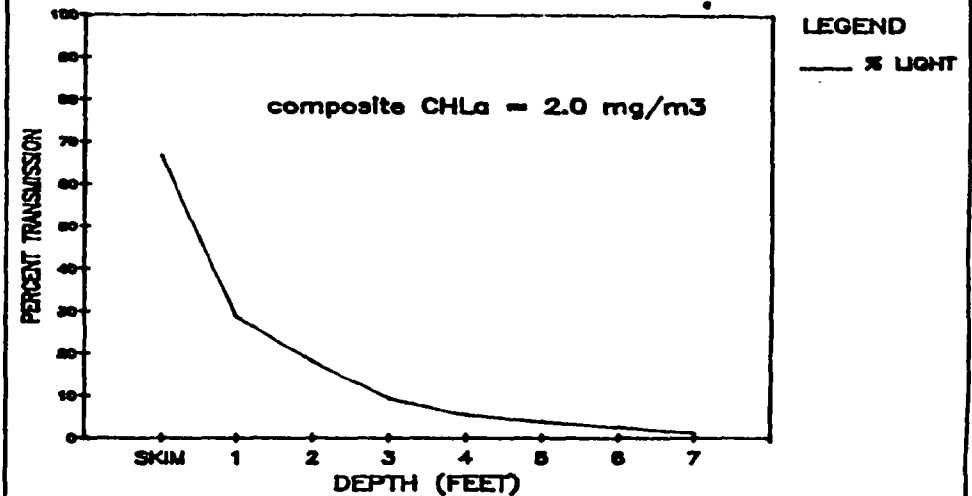
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PRELIMINARY-SUBJECT TO REVISION

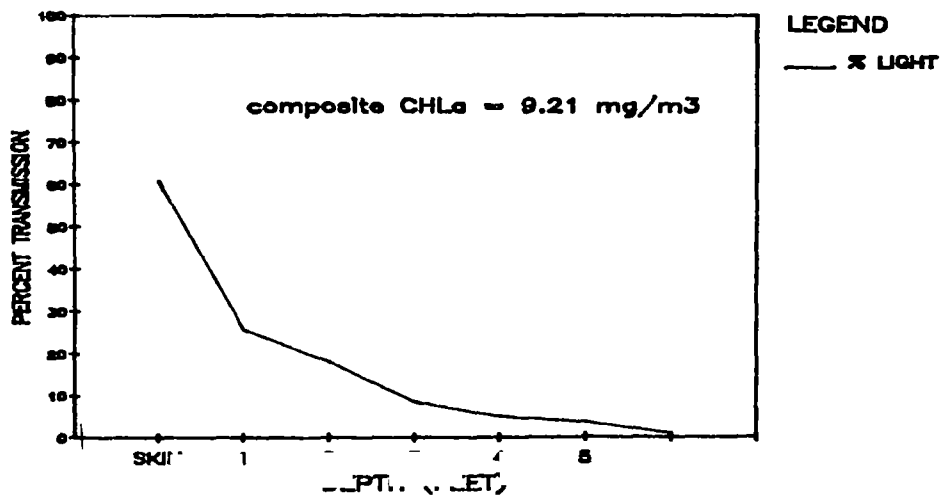
STATION C-14
7/24/87 @ 1915



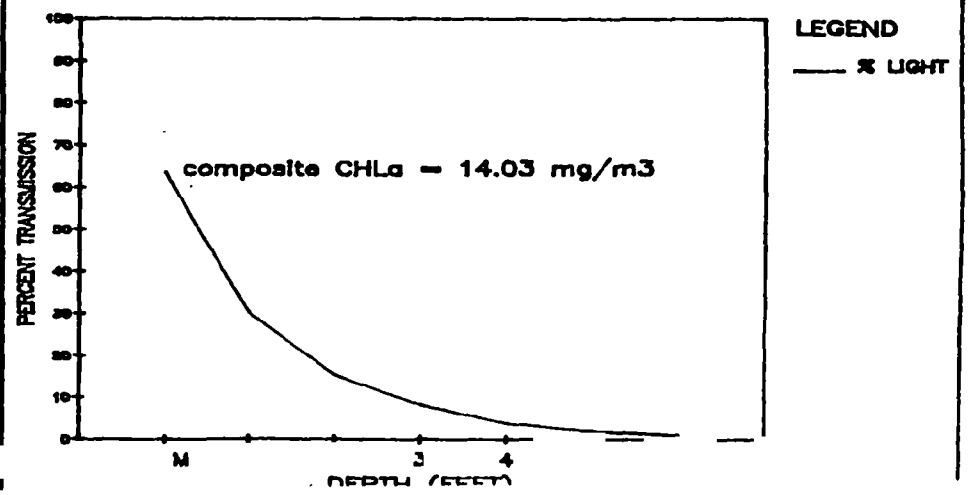
STATION C-13
7/24/87 @ 1830



STATION C-10
7/24/87 @ 1600

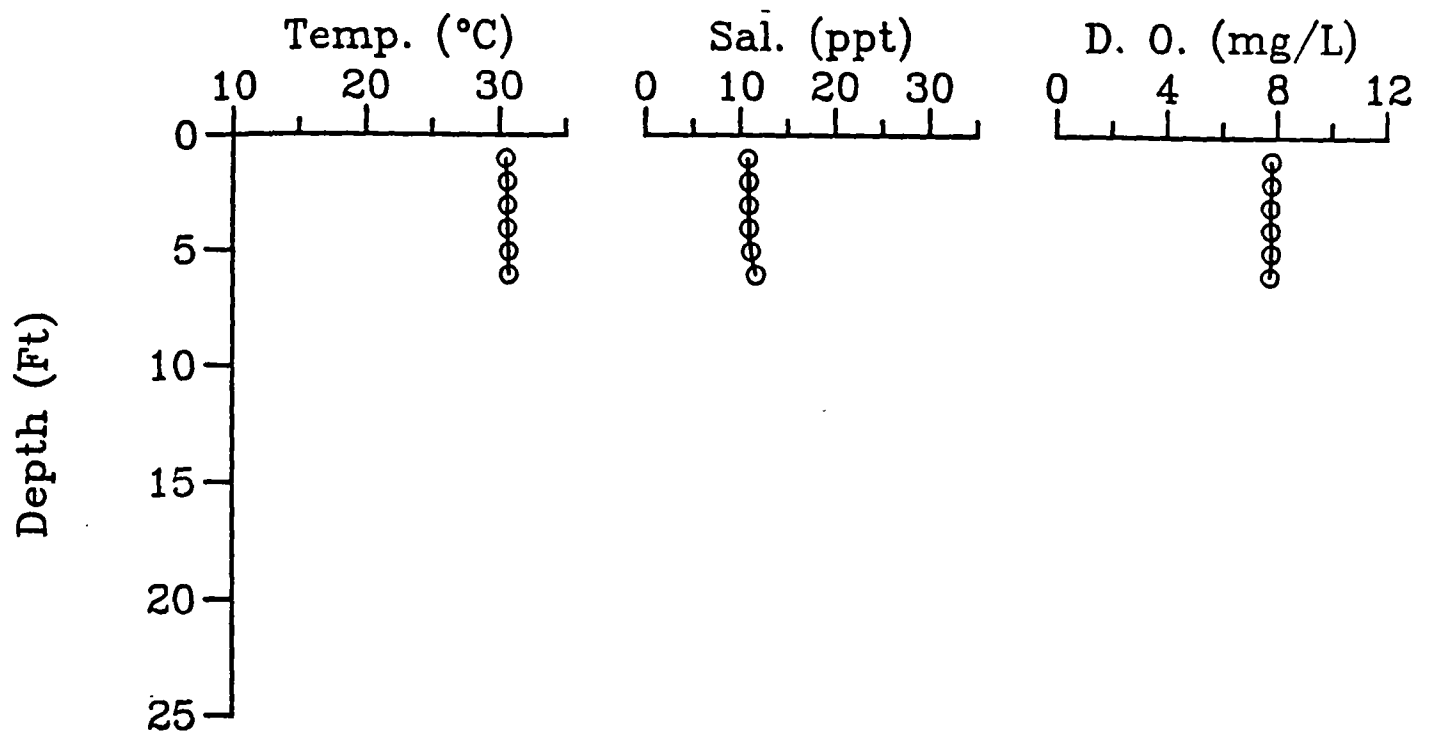


STATION C-12
7/24/87 @ 1520



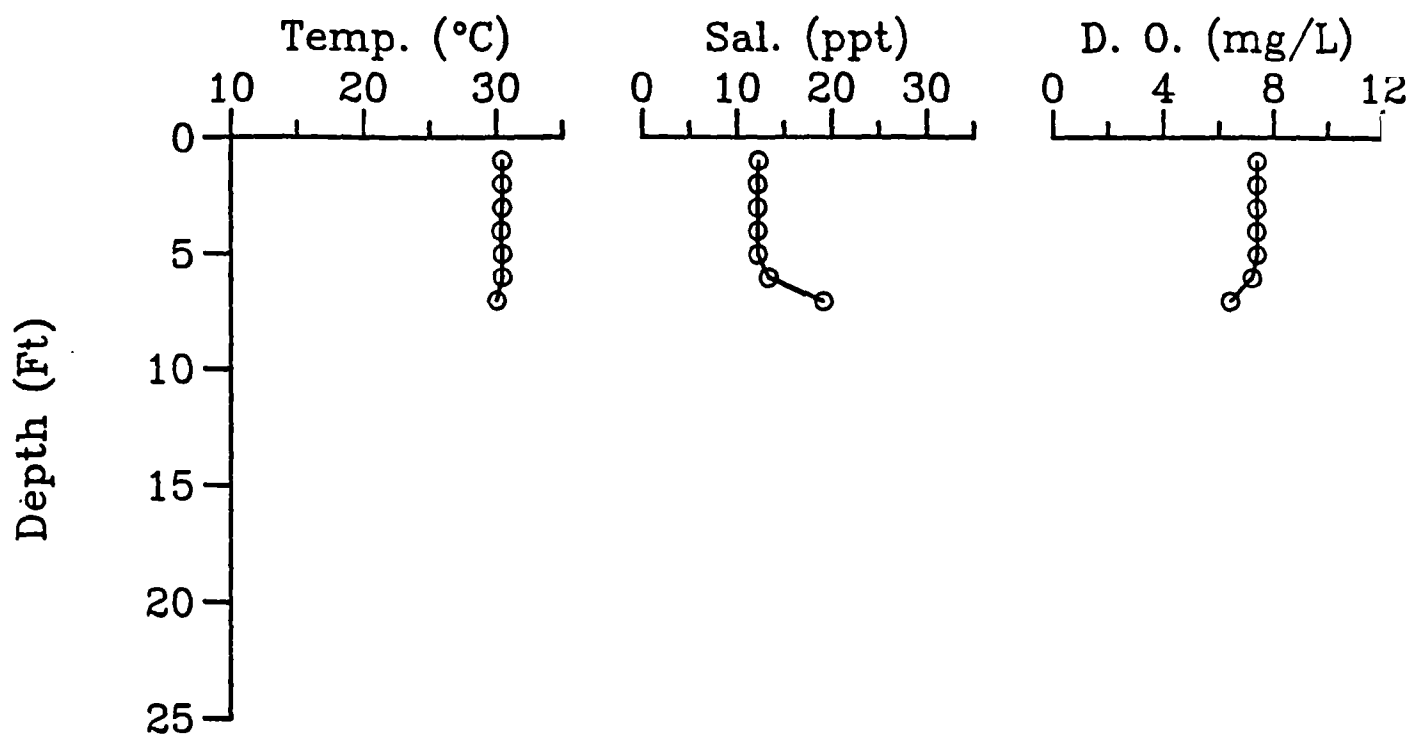
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14
07/24/87
19-15



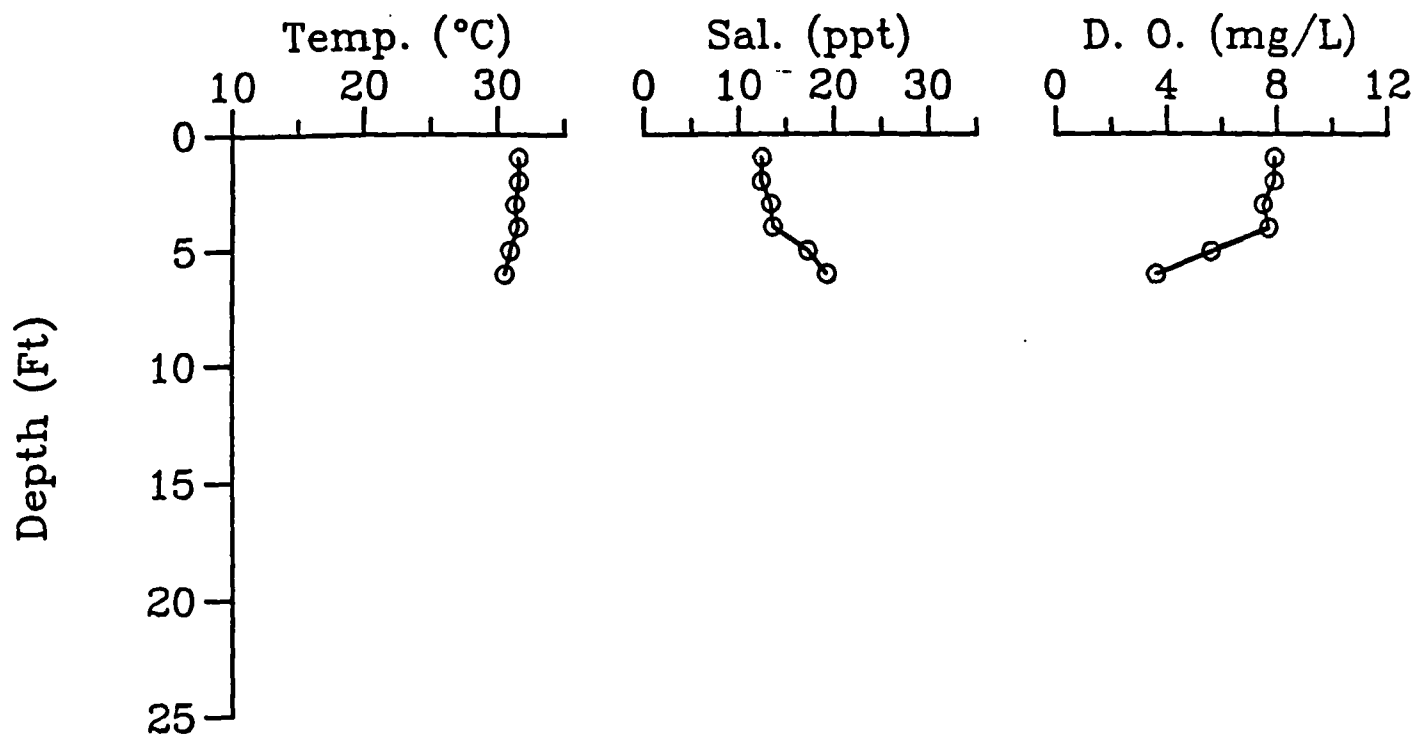
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-13
07/24/87
18 30



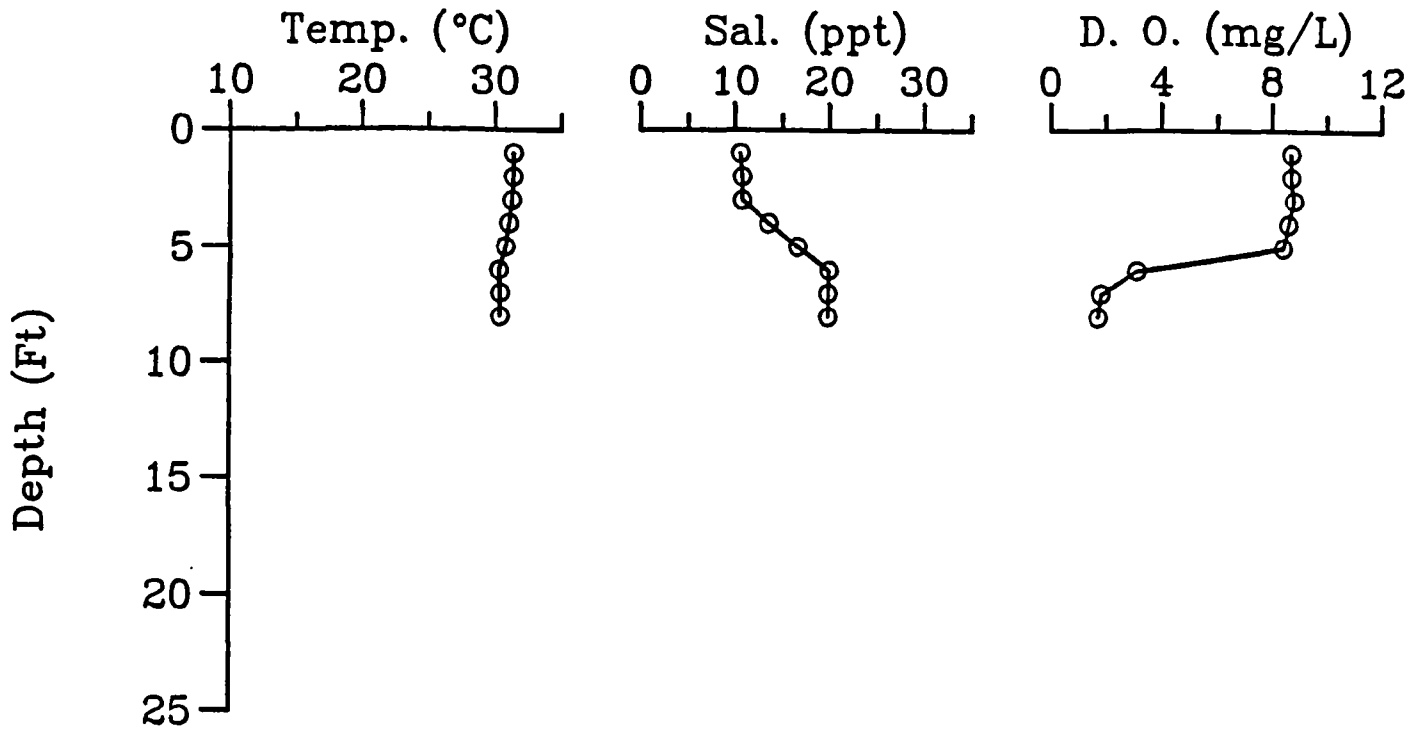
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-12
07/24/87
15 20



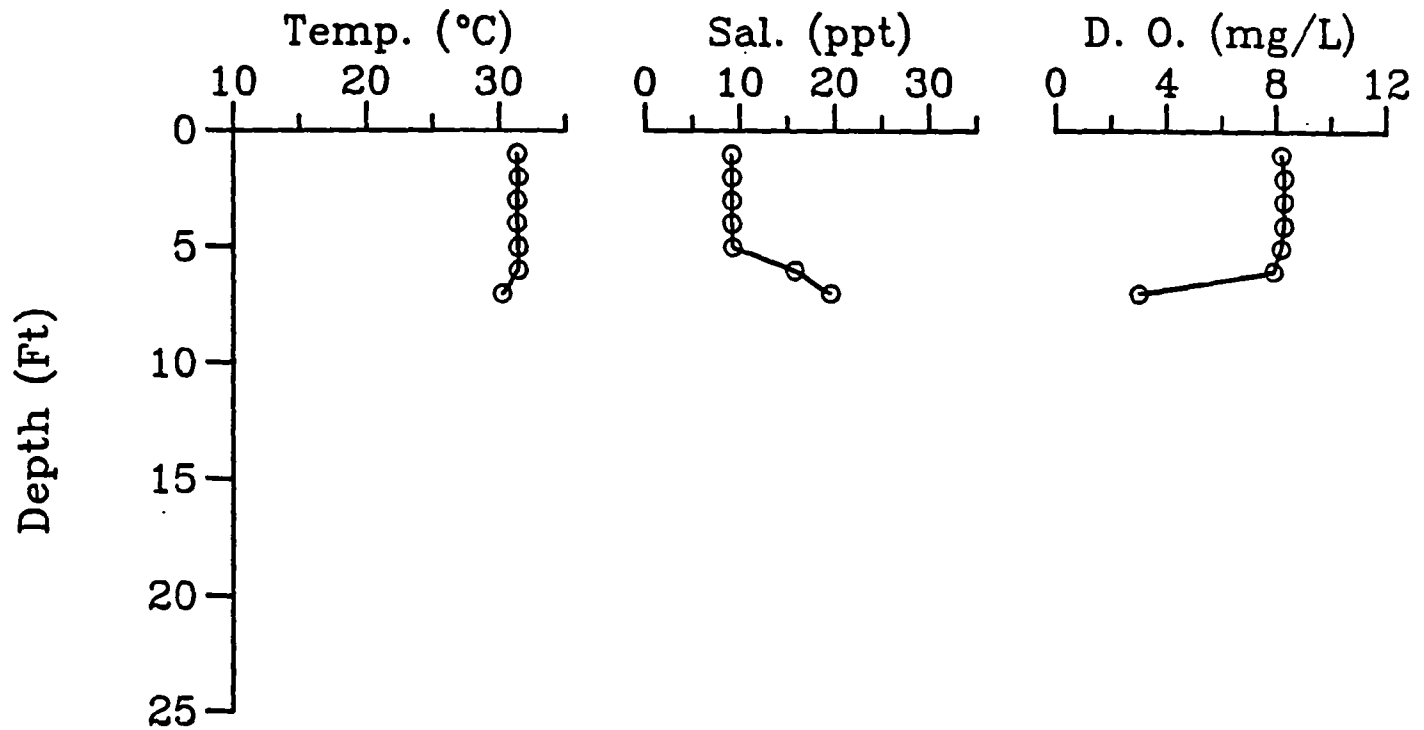
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11
07/24/87
1540



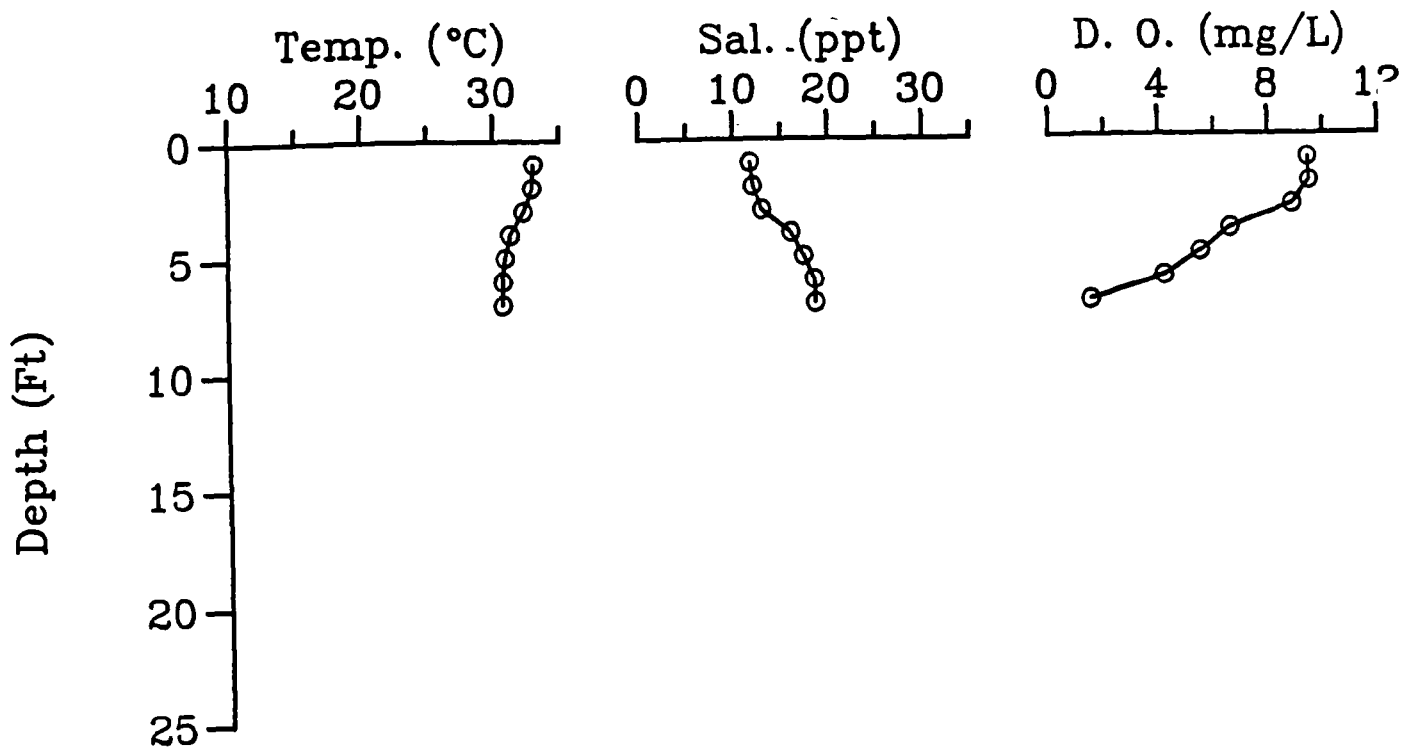
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-10
07/24/87
16 00



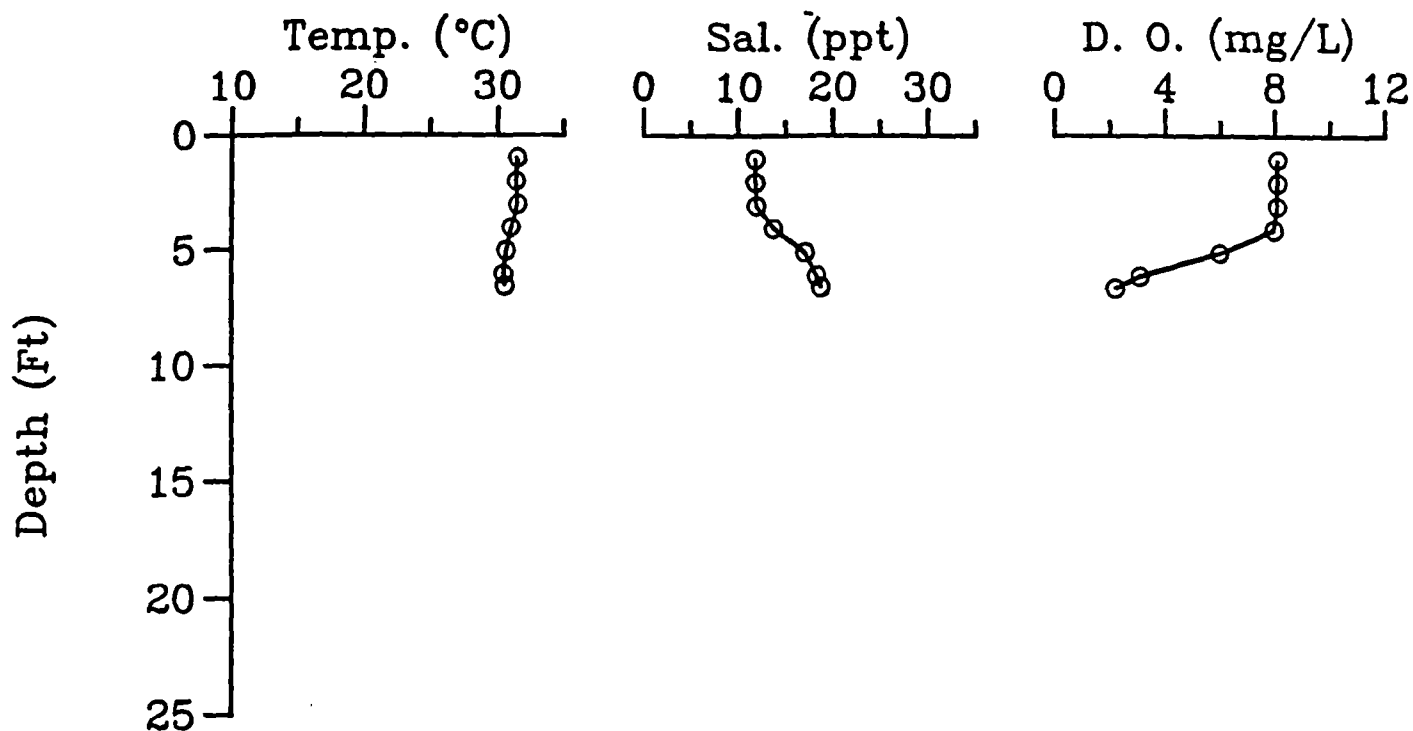
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-9
07/24/87
15 00



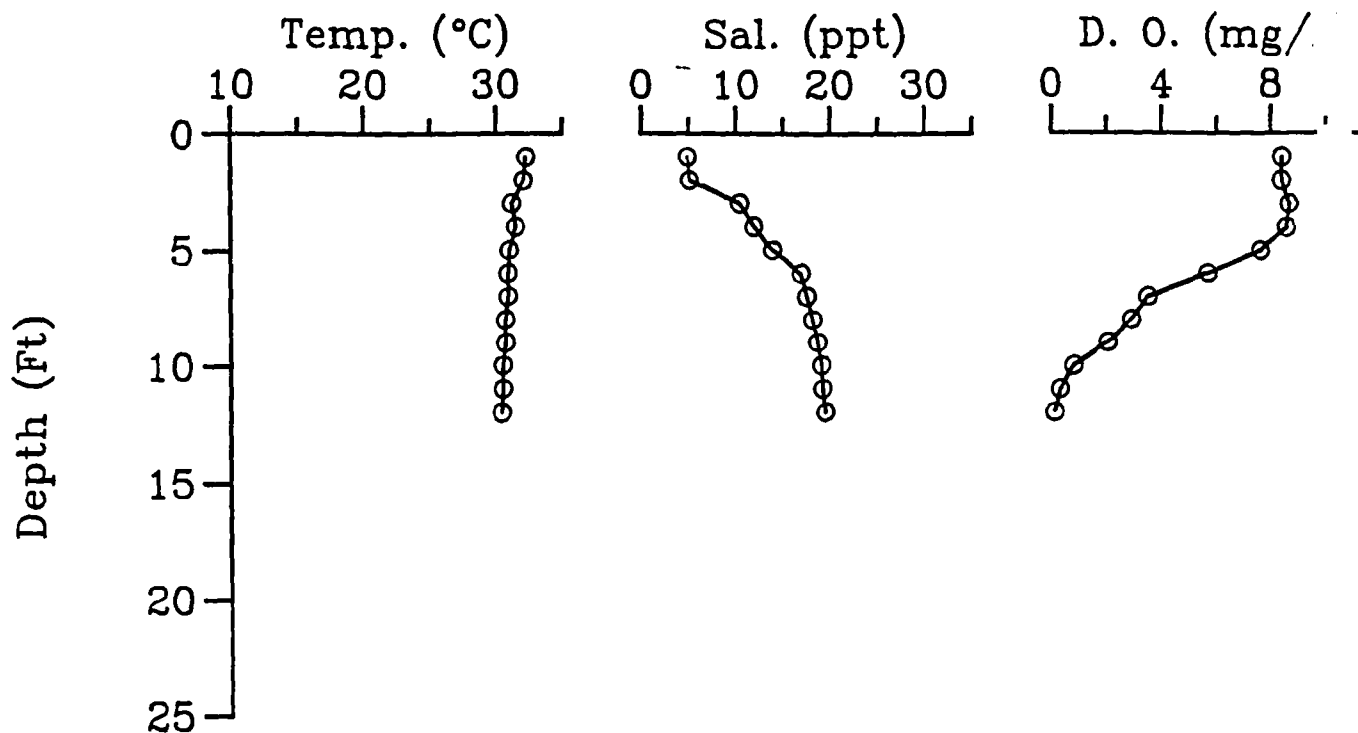
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8
07/24/87
16 30



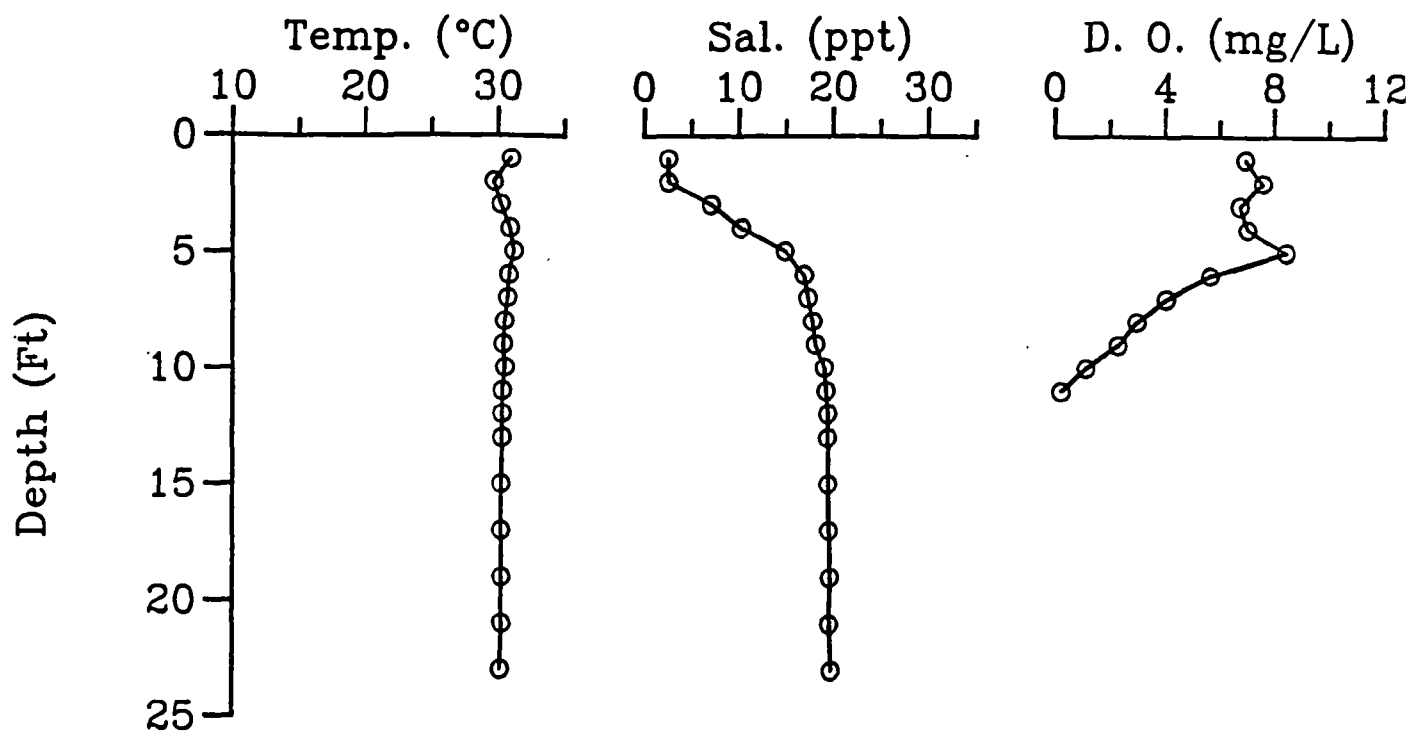
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7
07/24/87
1345



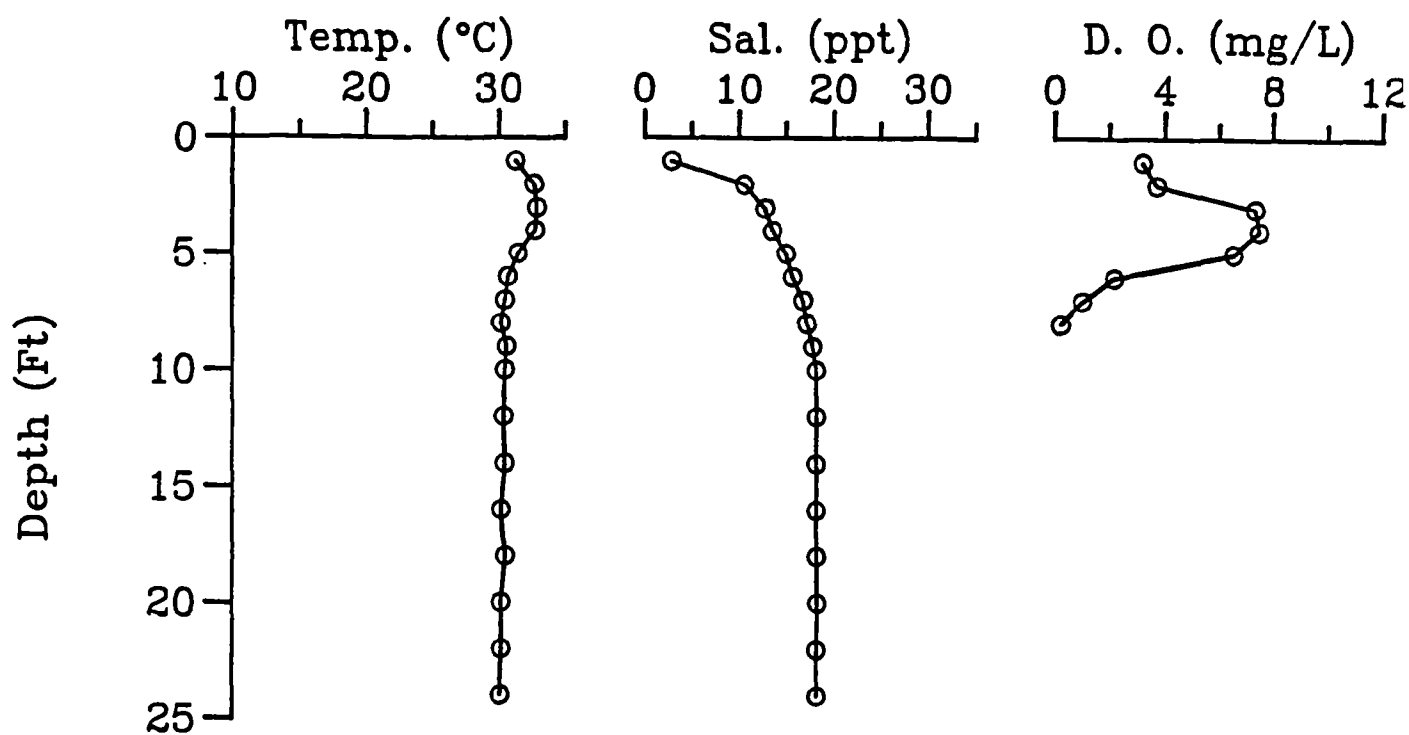
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-6
07/24/87
14 15



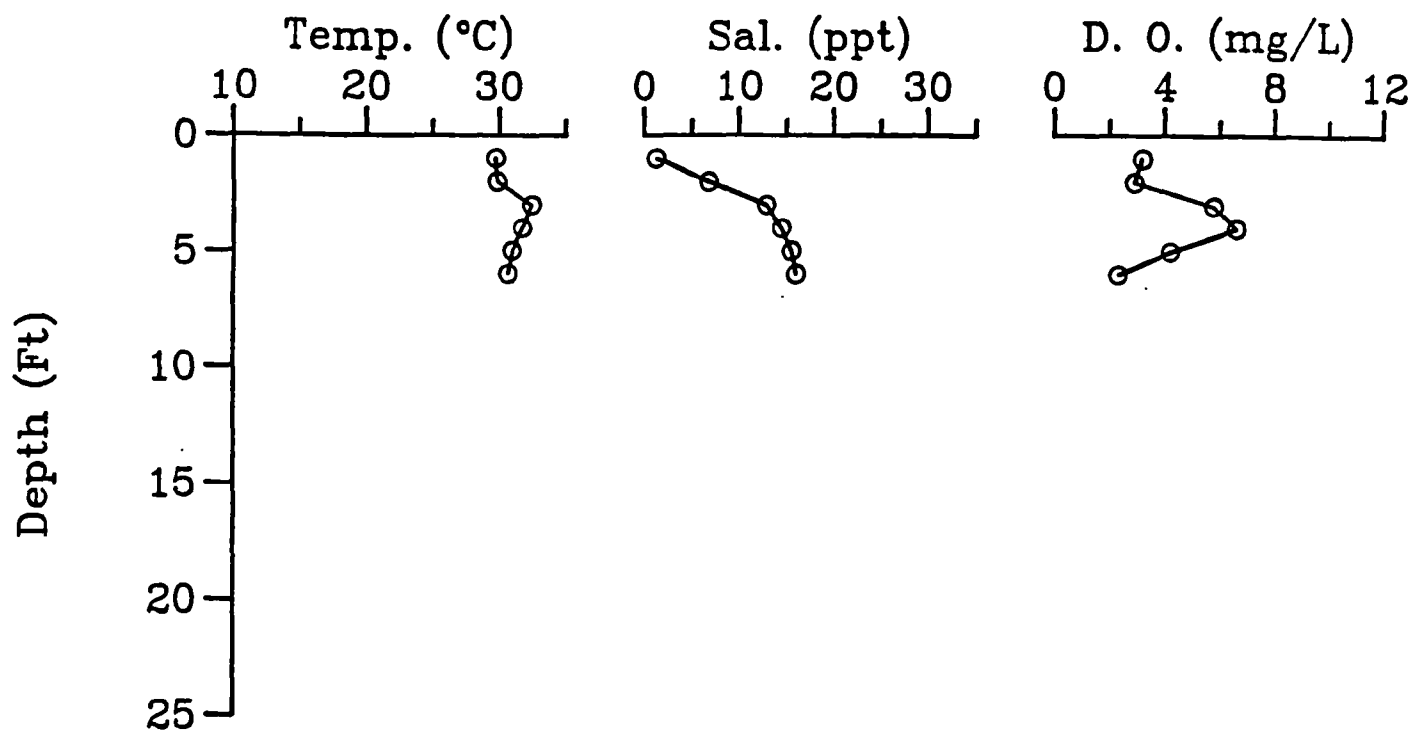
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-4
07/24/87
1300



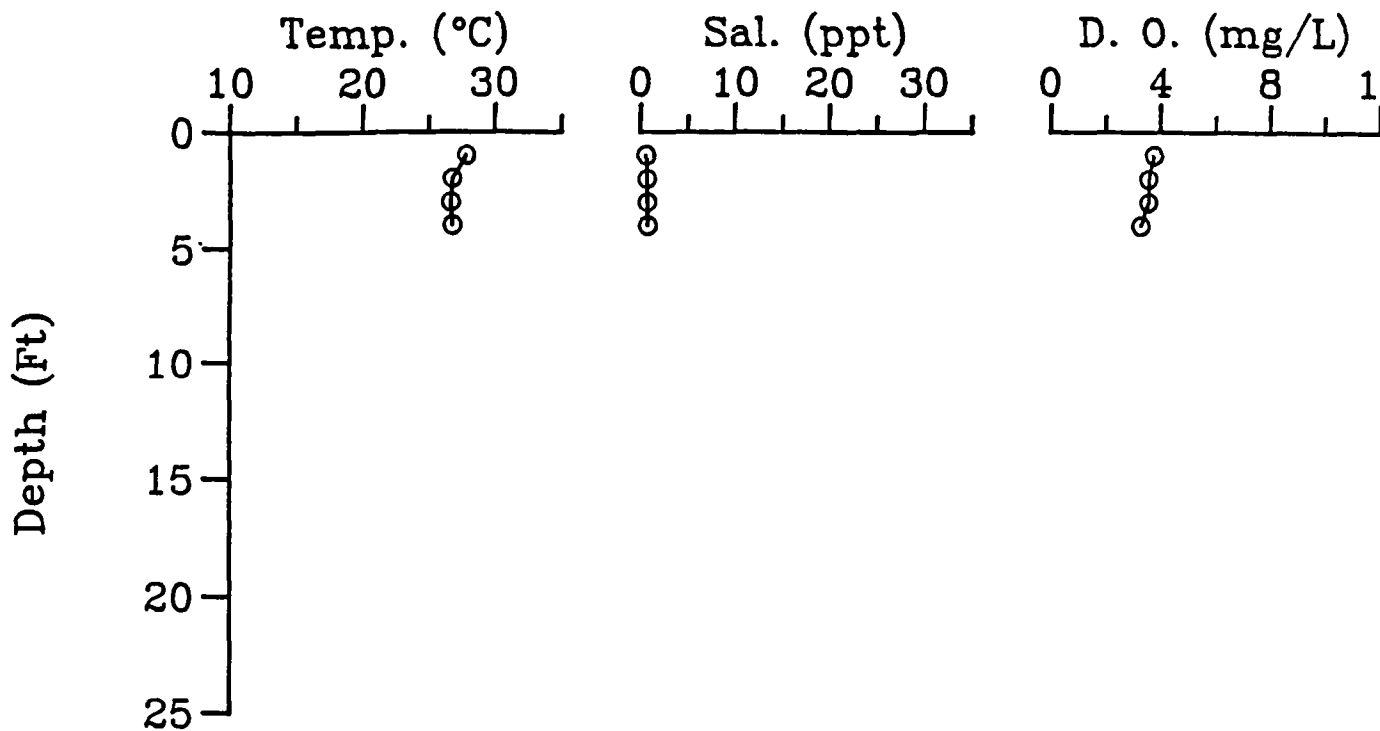
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-3
07/24/87
1050



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-2
07/24/87
1210



SURVEY #4

October 1987

PRELIMINARY--SUBJECT TO REVISION

Table _____. Sediment Oxygen Demand (SOD) Rates (Replicates and Mean), Perdido Bay Study.
September 1987.

Station	Rep	Avg. Rate of Change (mg/L/min)	Adjusted Avg.* (mg/L/min)	Rep. SOD (g O ₂ /m ² /hr)	Mean SOD (g O ₂ /m ² /hr)	Water Column R (mg/L/min)	Chamber DO Range : Initial/Final	Average Water Temp (°C)
C-2 (RM-2)	1	0.00476	0.00199	0.029	0.027	0.00277	3.925-3.275	21.5
	2	0.00535	0.00258	0.037			4.0-3.275	
	3	0.00372	0.00095	0.014			3.95-3.5	
	4	0.00442	0.00165	0.024			4.05-3.45	
	5	0.00489	0.00212	0.031			3.8-3.225	
C-3	1	0.00442	0.00286	0.041	0.053	0.00156	2.25-1.7	27.5
	2	0.00500	0.00344	0.050			2.4-1.8	
	3	0.00583	0.00427	0.062			2.375-1.7	
	4	0.00540	0.00384	0.055			2.45-1.9	
	5	0.00553	0.00397	0.057			2.55-1.9	
C-8 S.R.	1	0.00869	0.00579	0.084	0.062	0.00290	5.6-5.3	27.3
	2	0.00667	0.00377	0.054			5.3-4.225	
	3	0.00675	0.00385	0.056			4.7-4.0	
	4	0.00690	0.00400	0.058			4.7-3.975	
	5	0.00678	0.00388	0.056			5.125-4.3	
C-11	1	0.00570	0.00428	0.062	0.058	0.00142	3.95-3.2	25.7
	2	0.00561	0.00419	0.061			3.625-2.85	
	3	0.00537	0.00395	0.057			3.5-2.775	
	4	0.00525	0.00383	0.055			3.6-2.9	
	5	0.00538	0.00396	0.057			3.7-3.125	
C-12	1	0.00964	0.00708	0.102	0.094	0.00256	5.6-4.725	26.2
	2	0.00829	0.00573	0.083			5.4-4.775	
	3	0.00964	0.00708	0.102			5.425-4.6	
	5	0.00881	0.00625	0.090			5.275-4.5	

*Represents average rate of change in chamber minus water column respiration.

PRELIMINARY--SUBJECT TO REVISION

Table ____ (Cont'd). SOD, Perdido Bay Study, September 1987.

Station	Rep	Avg. Rate of Change (mg/L/min)	Adjusted Avg.* (mg/L/min)	Rep. SOD (g O ₂ /m ² /hr)	Mean SOD (g O ₂ /m ² /hr)	Water Column R (mg/L/min)	Chamber DO Range Initial/Final	Average Water Temp (°C)
C-13	1	0.01262	0.01189	0.172	0.183	0.00073	2.6-1.3	28.0
	2	0.01466	0.01393	0.201			2.775-1.25	
	3	0.01435	0.01362	0.0197			2.35-1.075	
	4	0.01196	0.01123	0.162			2.95-1.7	
C-14	1	0.00510	0.00435	0.063	0.067	0.00075	2.45-1.9	27.6
	2	0.00526	0.00454	0.066			2.475-1.925	
	3	0.00560	0.00485	0.070			2.65-2.075	
	4	0.00524	0.00449	0.065			2.55-2.075	
	5	0.00556	0.00481	0.069			2.55-1.975	
C-16	1	0.01106	0.01106	0.160	0.103	0.00000	2.85-1.5	25.5
	2	0.00581	0.00581	0.084			2.975-2.275	
	3	0.00622	0.00622	0.090			3.05-2.3	
	4	0.00533	0.00533	0.077			3.0-2.375	

*Represents average rate of change in chamber minus water column respiration.

PRELIMINARY-SUBJECT
TO REVISION

PERDIDO BAY BASINWIDE LOADING
ALABAMA-FLORIDA
SEPT-OCT, 1987

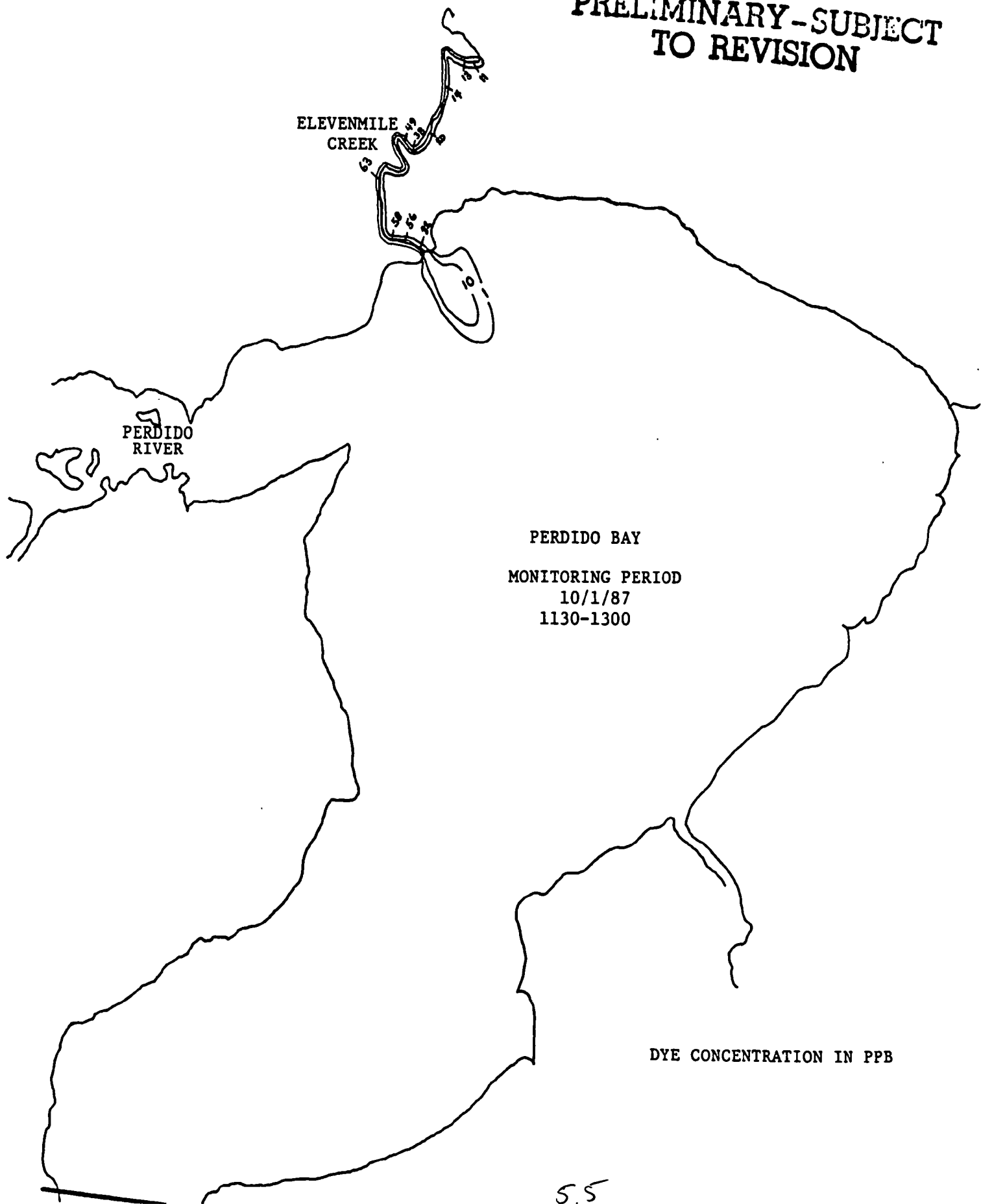
STATION	DESCRIPTION	DATE	FLOW		NH3-N			TKN			NO2-NO3			TOTAL-P			TSS			TOC		
			CFS	%	MG/L	LB/DAY	%	MG/L	LB/DAY	%	MG/L	LB/DAY	%	MG/L	LB/DAY	%	MG/L	LB/DAY	%	MG/L	LB/DAY	%
L-1	PERDIDO R.	SEPT 29	277.0	48	0.05	75	21	0.15	224	29	9.29	433	26	0.03	45	20	1.60	2398		2.10	3134	15
		OCT 5	258.9	47	0.05	70	12	0.17	237	17	0.29	405	18	0.02	28	10	3.00	4185	42	2.10	2929	14
L-2	STYX R.	SEPT 29	93.3	16	0.05	25	7	0.15	75	7	0.40	201	12	0.02	10	4	1.60	804		2.40	1206	6
		OCT 5	95.7	17	0.05	26	5	0.20	103	7	0.55	284	12	0.03	15	6	2.50	1289	13	2.10	1083	5
L-3	BLACKWATER R.	SEPT 29	105.0	18	0.05	28	8	0.12	68	6	1.10	622	37	0.02	11	5	11.00	6223		2.40	1358	6
		OCT 5	95.9	17	0.05	26	5	0.23	119	8	1.90	982	43	0.02	10	4	2.80	1833	10	2.10	1385	5
L-4	ELEVEN HILLS C.	SEPT 29	67.4	12	0.45	163	46	1.90	690	69	0.90	327	19	0.32	116	51	11.00	3994		40.00	14525	68
		OCT 5	67.9	12	1.03	377	68	2.30	841	60	1.40	512	22	0.49	179	64	8.50	3109	31	40.00	14633	71
L-5	BAYOU MARCUS	SEPT 29	38.2	7	0.05	19	3	0.15	31	3	0.45	93	5	0.03	6	3	1.50	329		2.70	556	3
		OCT 5	29.8	5	0.05	8	1	0.23	47	3	0.57	92	4	0.04	6	2	2.00	321	3	2.70	423	2
L-9	AVONDALE WWT	SEPT 29	1.2	0	0.30	52	9	8.90	56	5	1.50	9	0	6.30	39	14	1.60	10	0	76.00	475	2
TOTALS			582.1	100		354	100		1144	100		1685	100		228	100		13748	100		21254	100
TOTALS			549.4	100		558	100		1403	100		2283	100		279	100		9948	100		20638	100
L-7	CHAMPION	SEPT 29	32.9	6	1.20	213	60	4.50	815	71	0.19	34	2	0.58	103	45	17.00	3013	22	88.00	15598	73
L-8	CANTONMENT WWT	SEPT 29	0.4	0	1.50	3	1	3.70	7	1	13.00	25	1	5.60	11	5	3.20	6	0	13.00	25	0

5.4

FIGURE

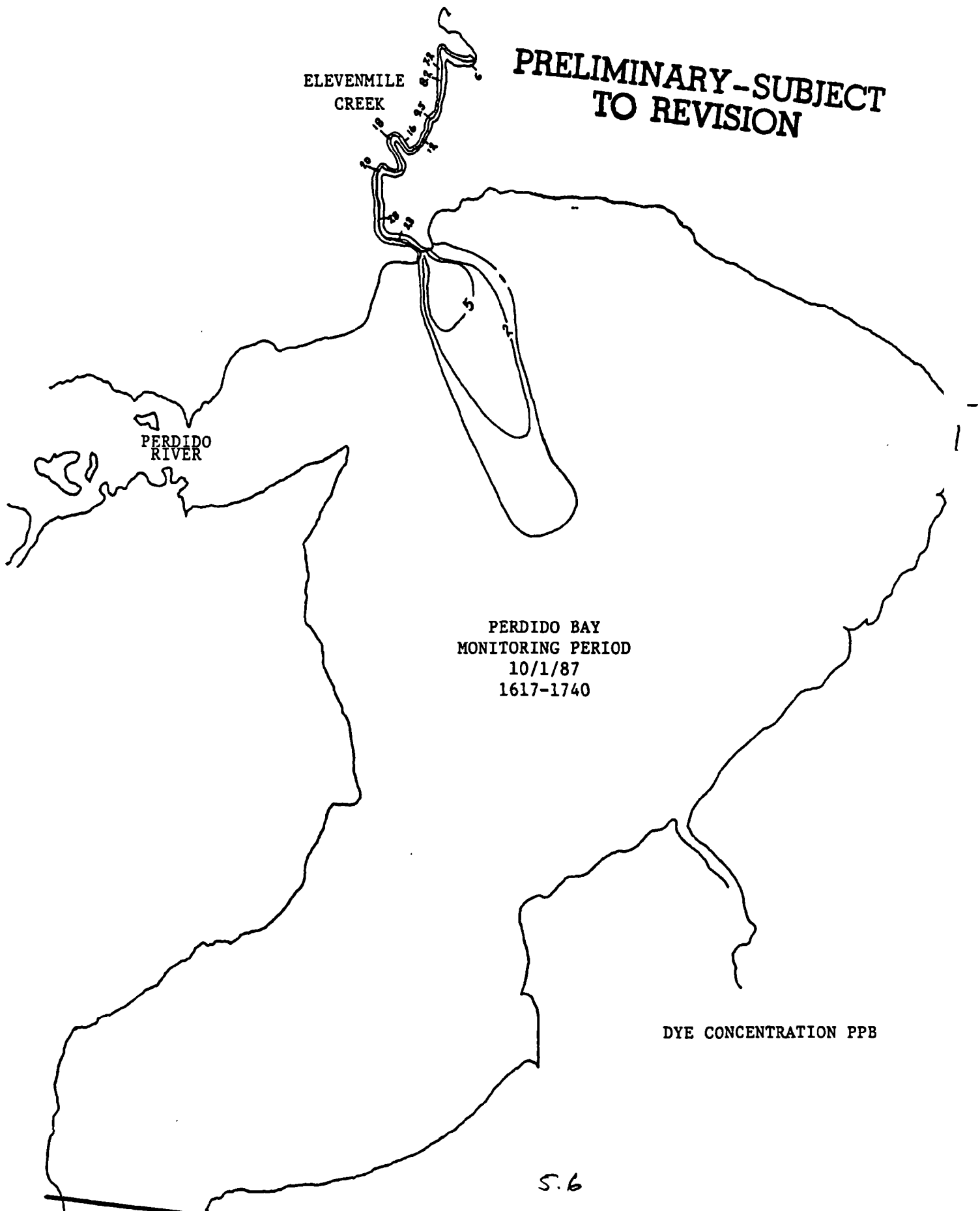
DYE TRACER CIRCULATION PATTERNS
IN PERDIDO BAY
October 1987

PRELIMINARY-SUBJECT
TO REVISION



FIGURE

DYE TRACER CIRCULATION PATTERNS
IN PERDIDO BAY
OCTOBER 1987



FIGURE

DYE TRACER CIRCULATION PATTERNS
IN PERDIDO BAY
OCTOBER 1987

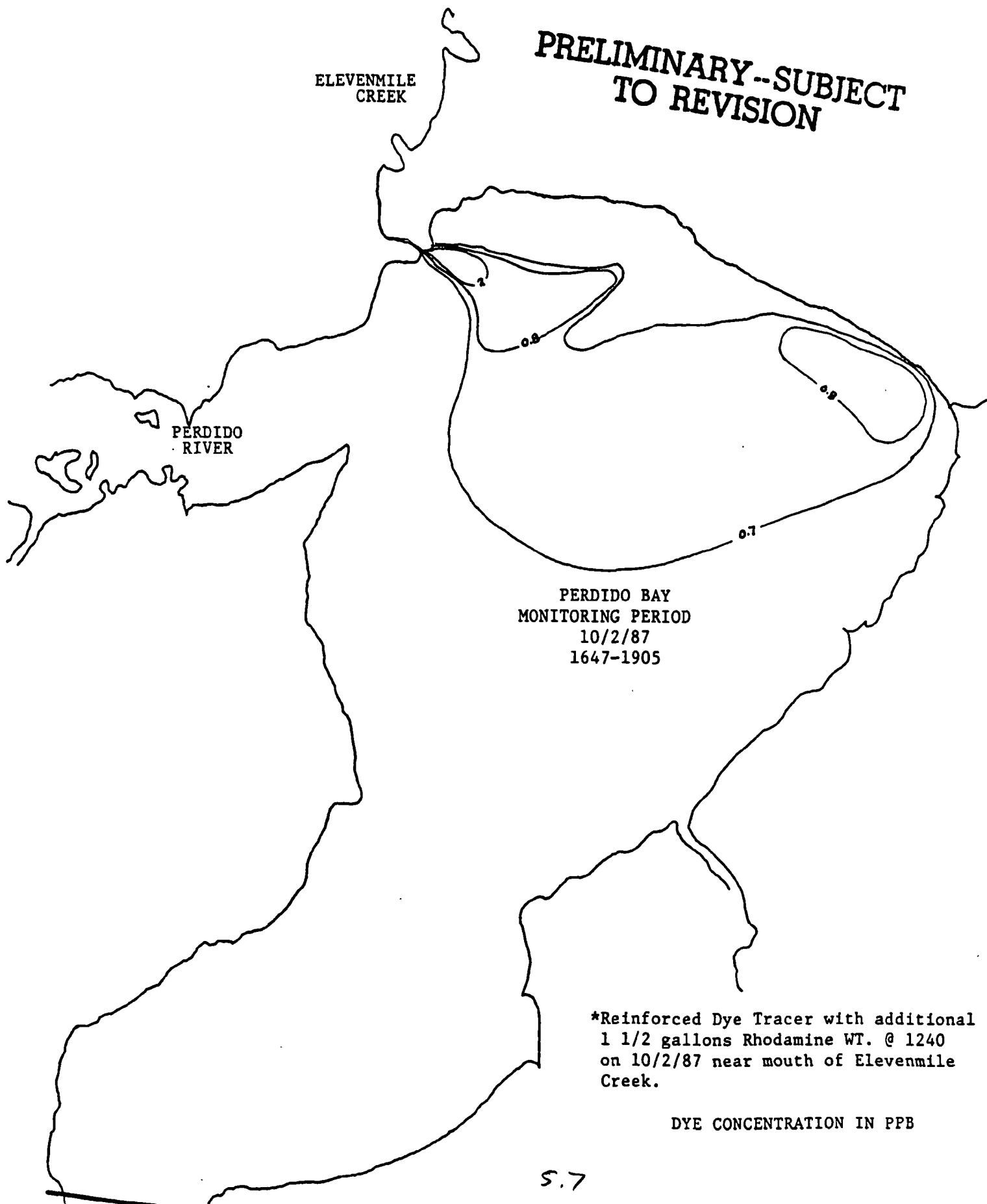
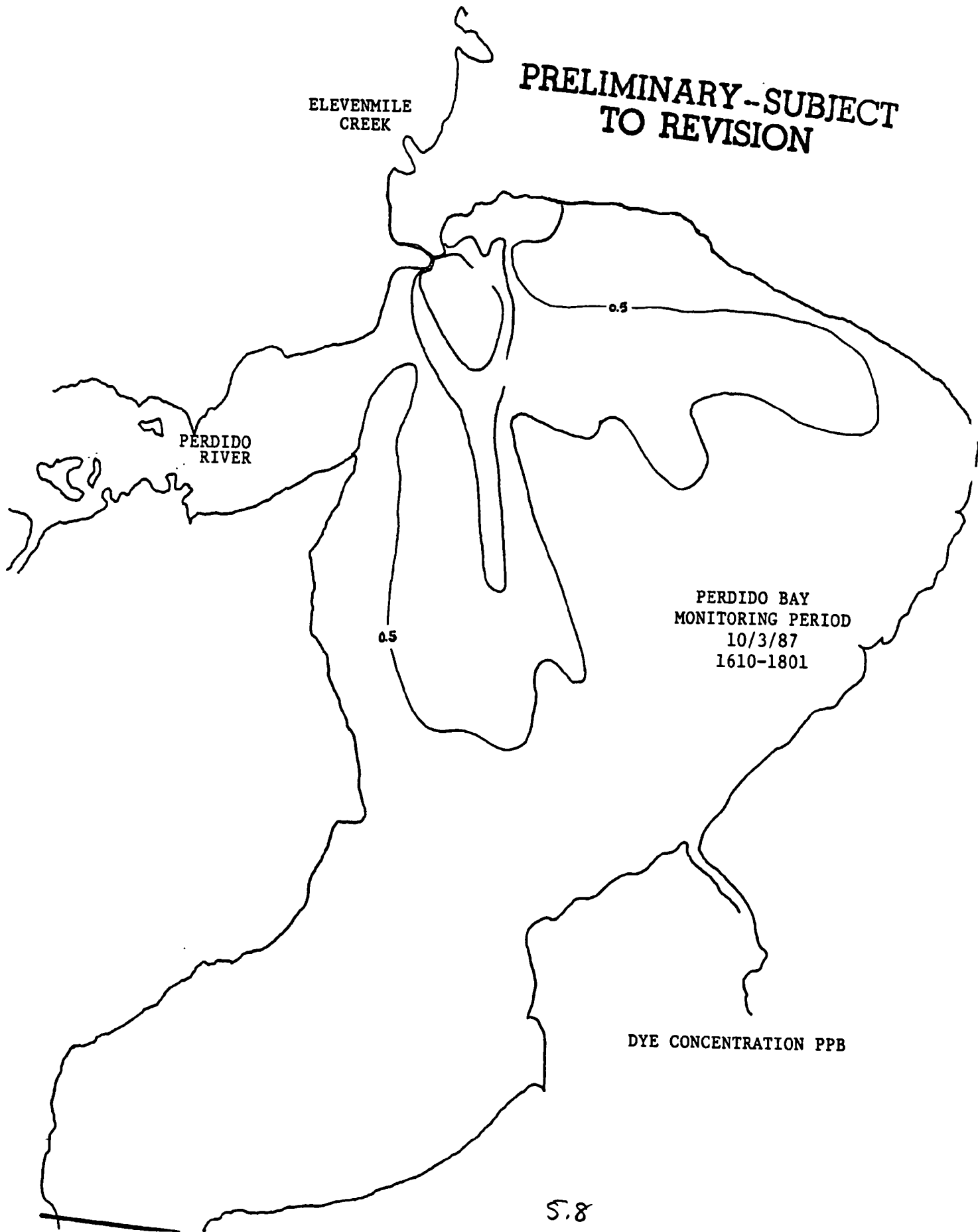


FIGURE
DYE TRACER CIRCULATION PATTERNS
IN PERDIDO BAY
OCTOBER 1987



FIGURE

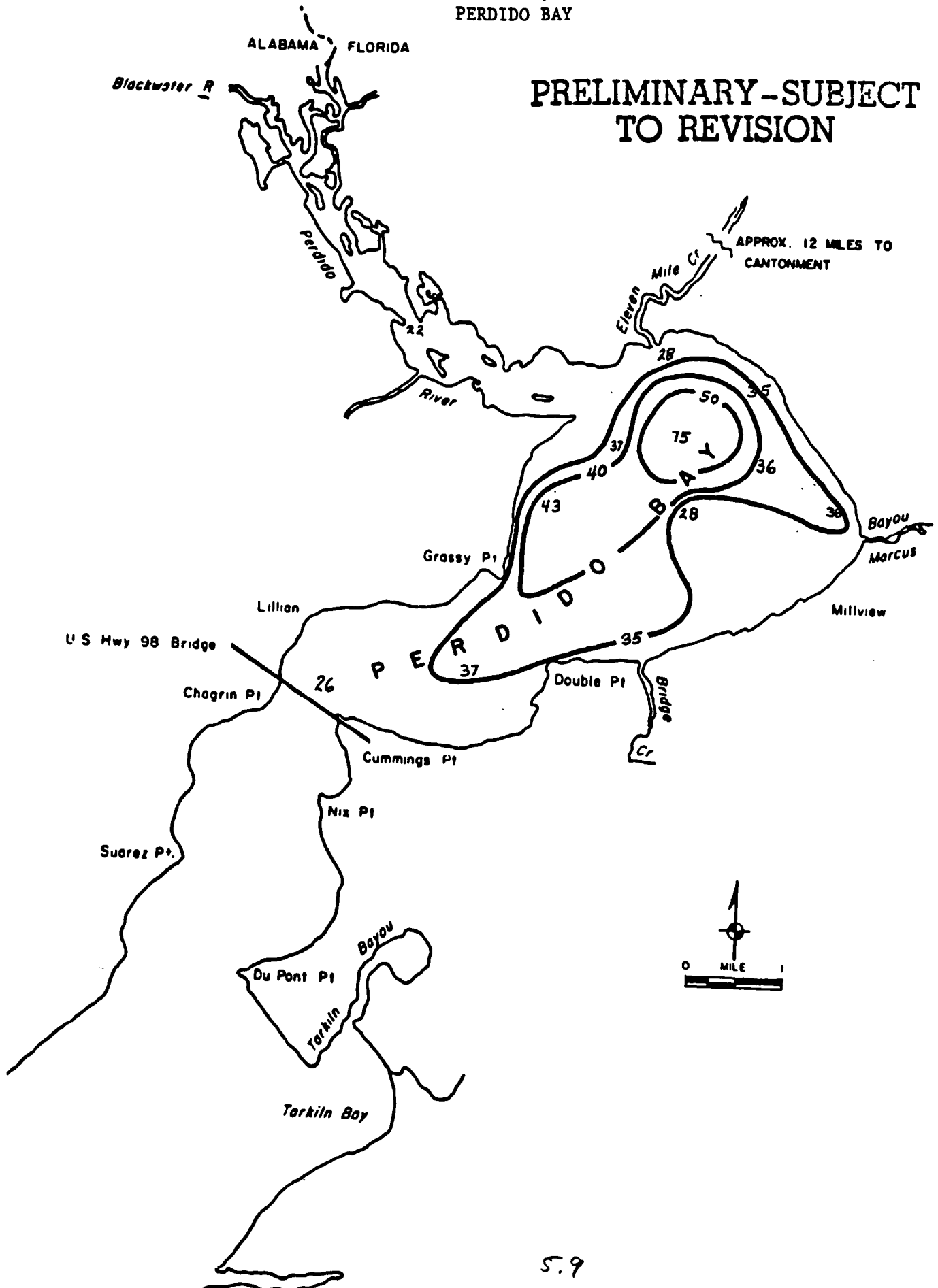
COLOR CONCENTRATIONS

LOW SLACK TIDE

OCTOBER 4, 1987

PERDIDO BAY

PRELIMINARY--SUBJECT
TO REVISION



FIGURE

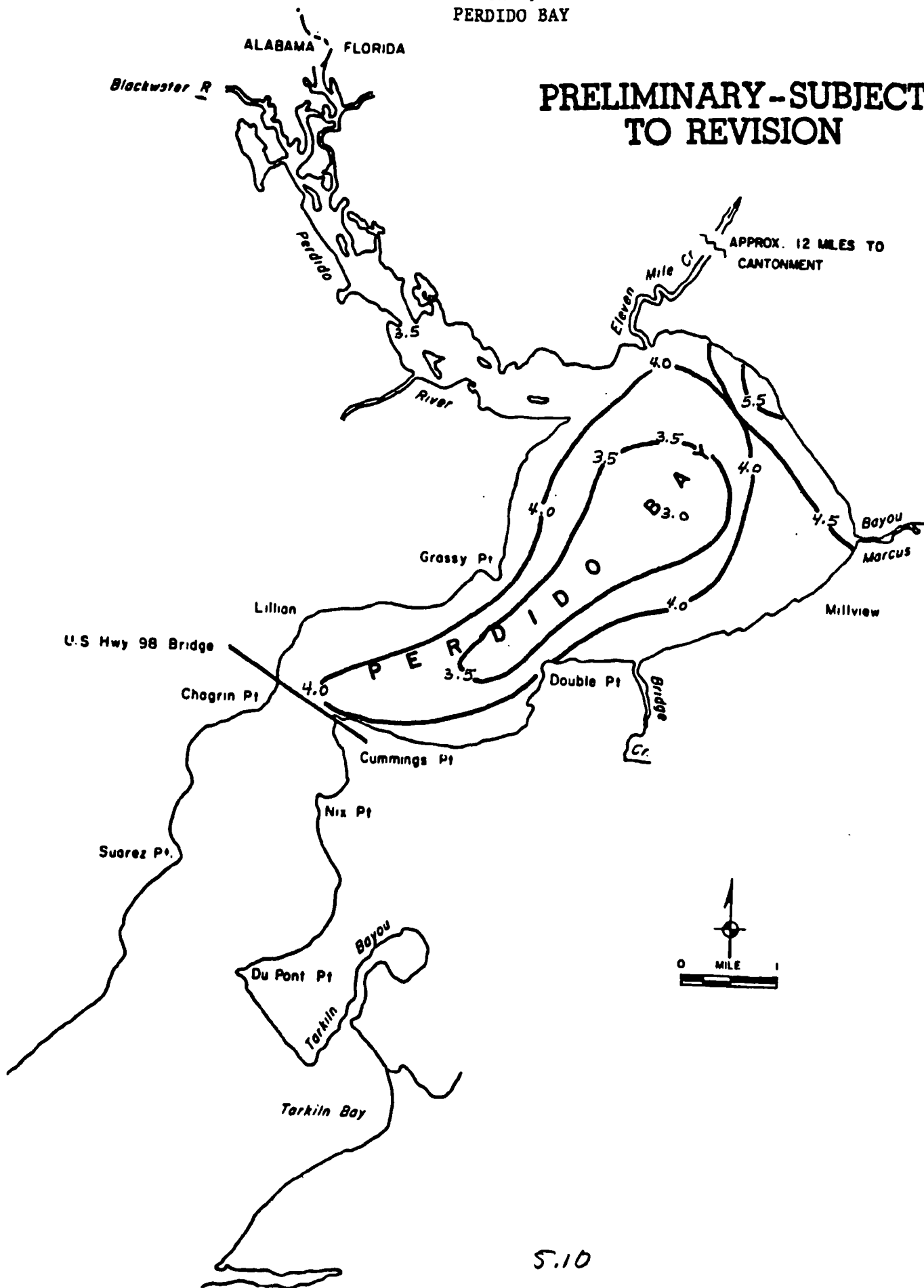
TOTAL SUSPENDED SOLIDS CONCENTRATIONS

LOW SLACK TIDE

OCTOBER 4, 1987

PERDIDO BAY

PRELIMINARY--SUBJECT
TO REVISION



FIGURE

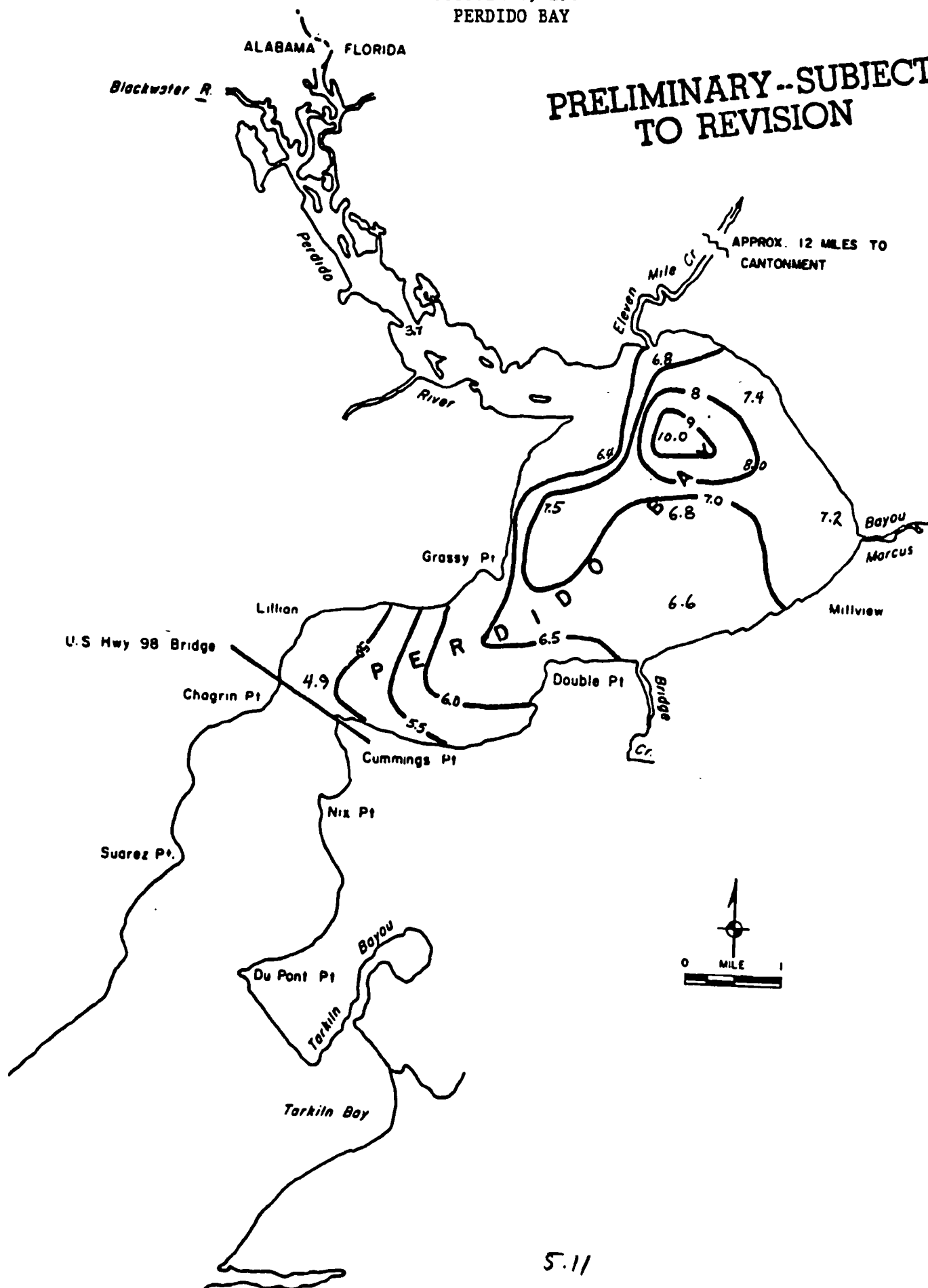
TOTAL ORGANIC CARBON CONCENTRATIONS

LOW SLACK TIDE

OCTOBER 4, 1987

PERDIDO BAY

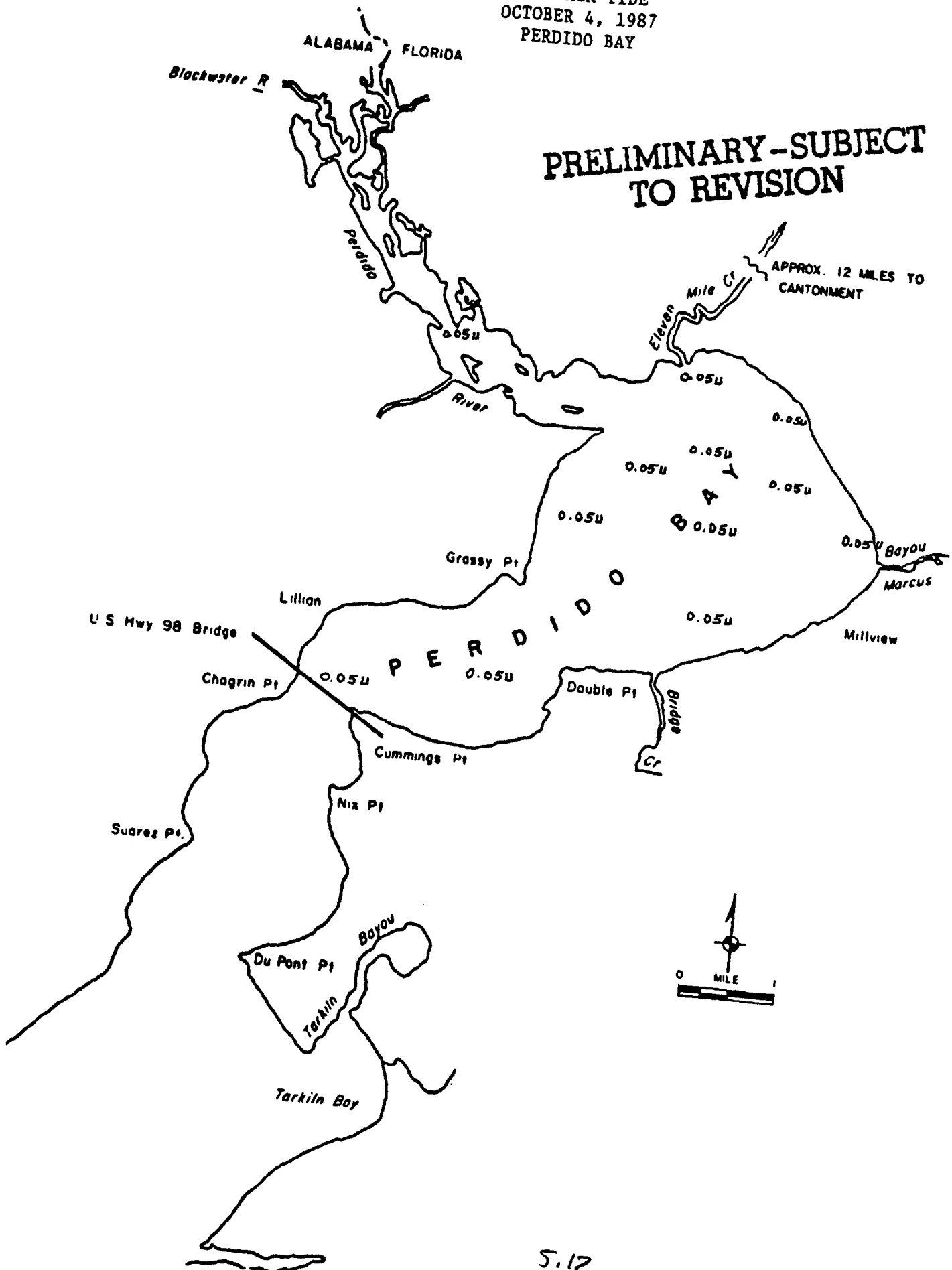
PRELIMINARY--SUBJECT
TO REVISION



FIGURE

AMMONIA NITROGEN CONCENTRATIONS
LOW SLACK TIDE
OCTOBER 4, 1987
PERDIDO BAY

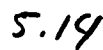
PRELIMINARY-SUBJECT
TO REVISION



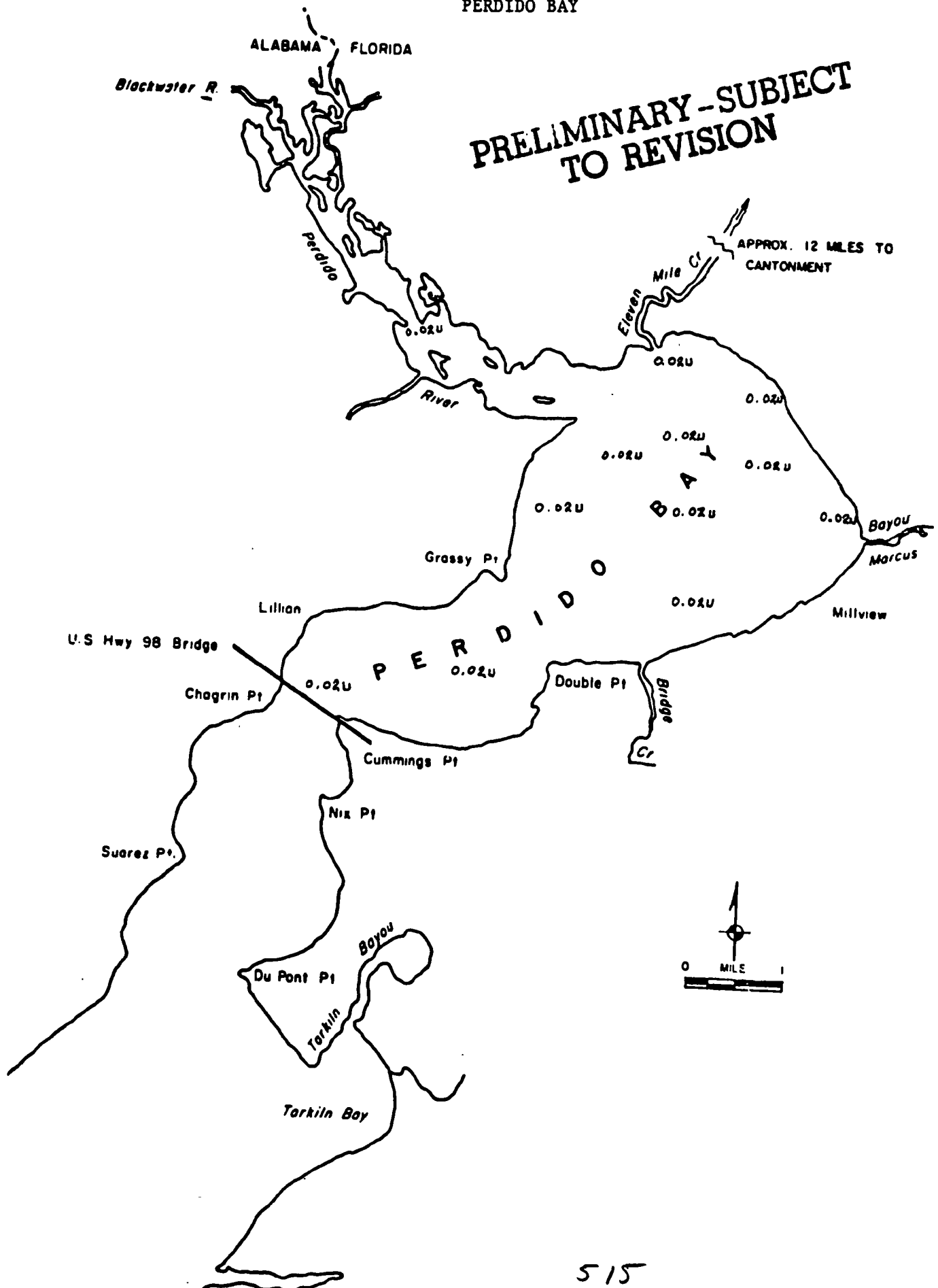
NITRITE-NITRATE CONCENTRATIONS
LOW SLACK TIDE
OCTOBER 4, 1987
PERDIDO BAY



**PRELIMINARY-SUBJECT
TO REVISION**

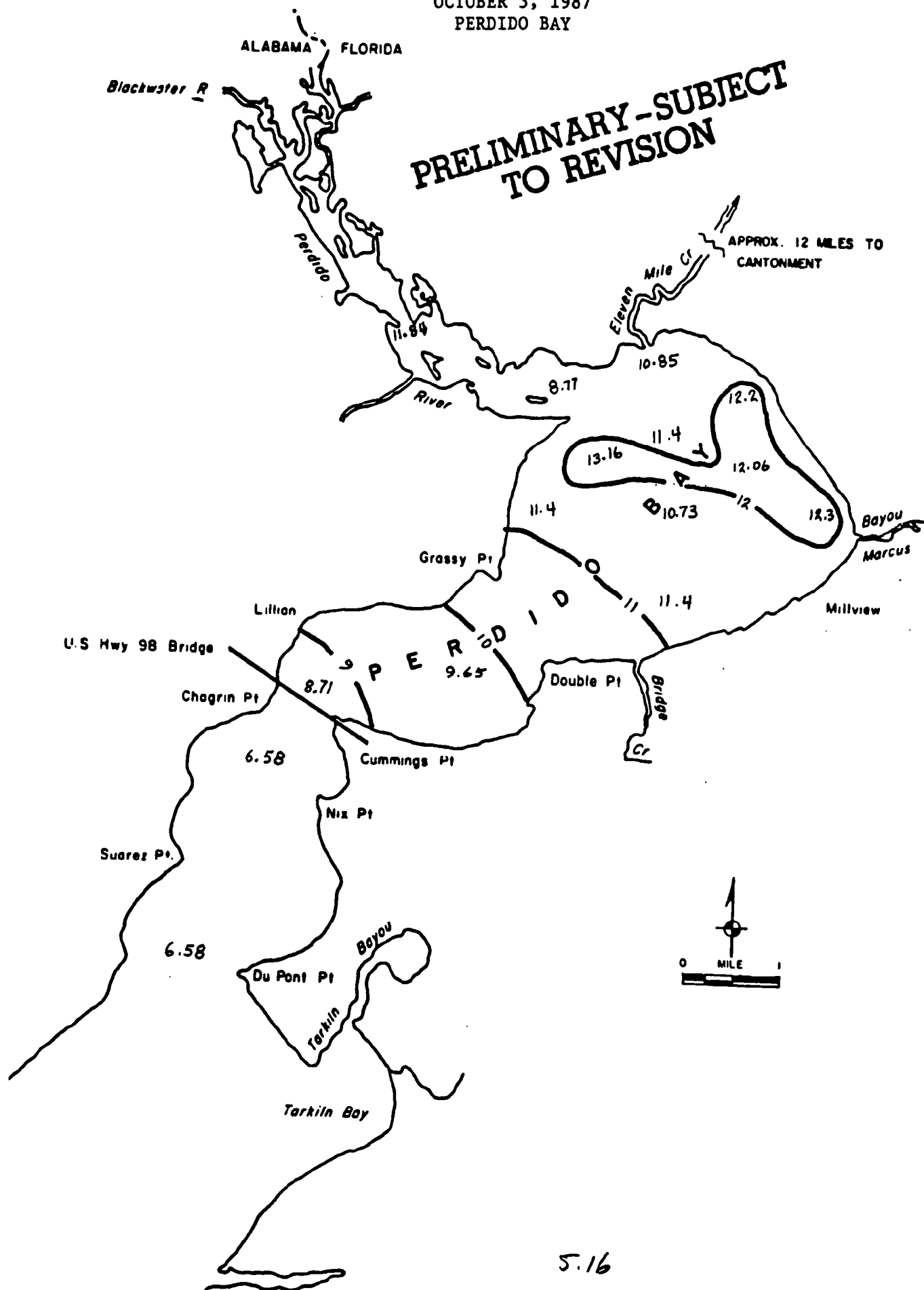


TOTAL PHOSPHORUS CONCENTRATIONS
 LOW SLACK TIDE
 OCTOBER 4, 1987
 PERDIDO BAY



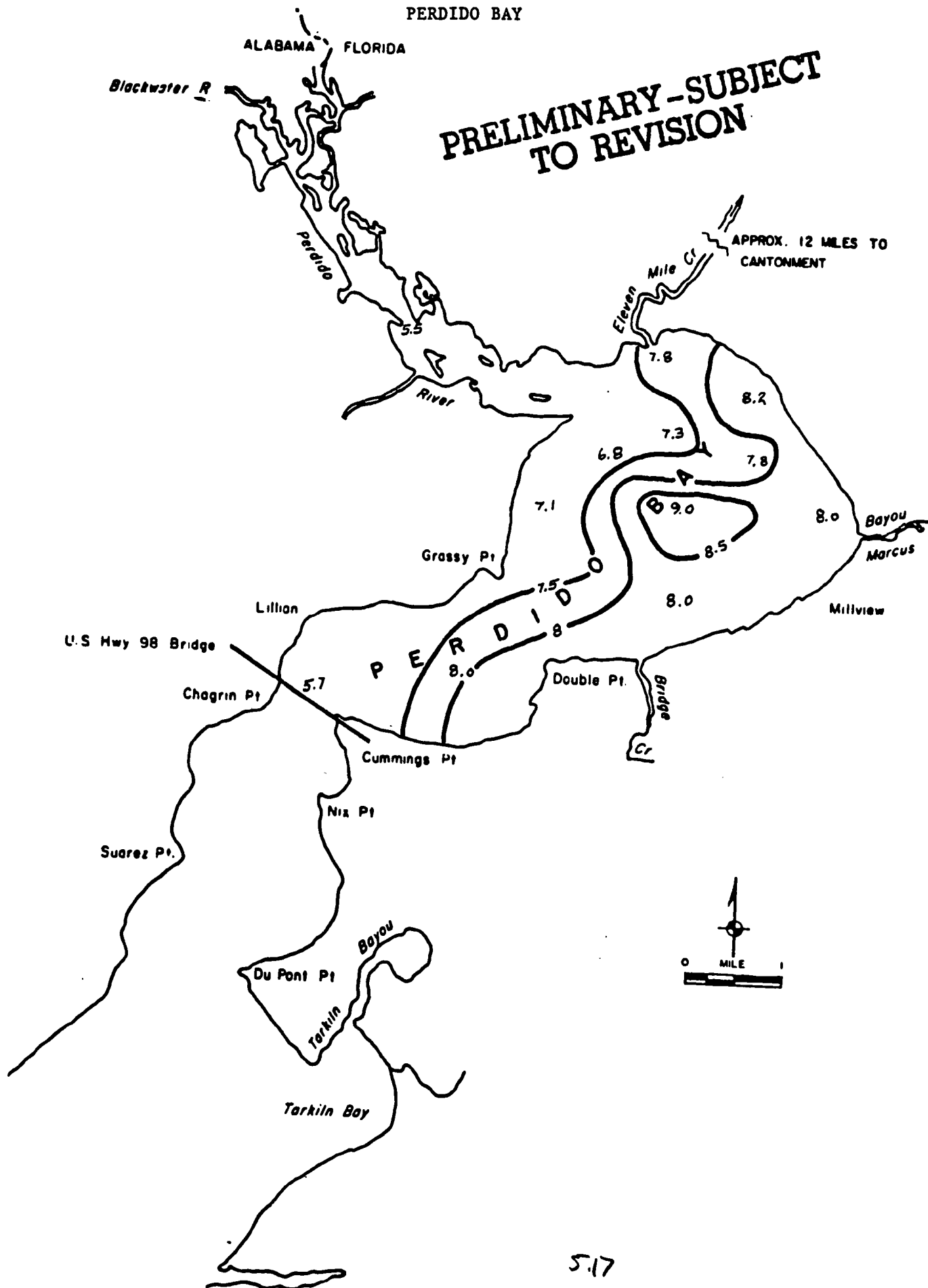
FIGURE

CHLOROPHYLL a CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY



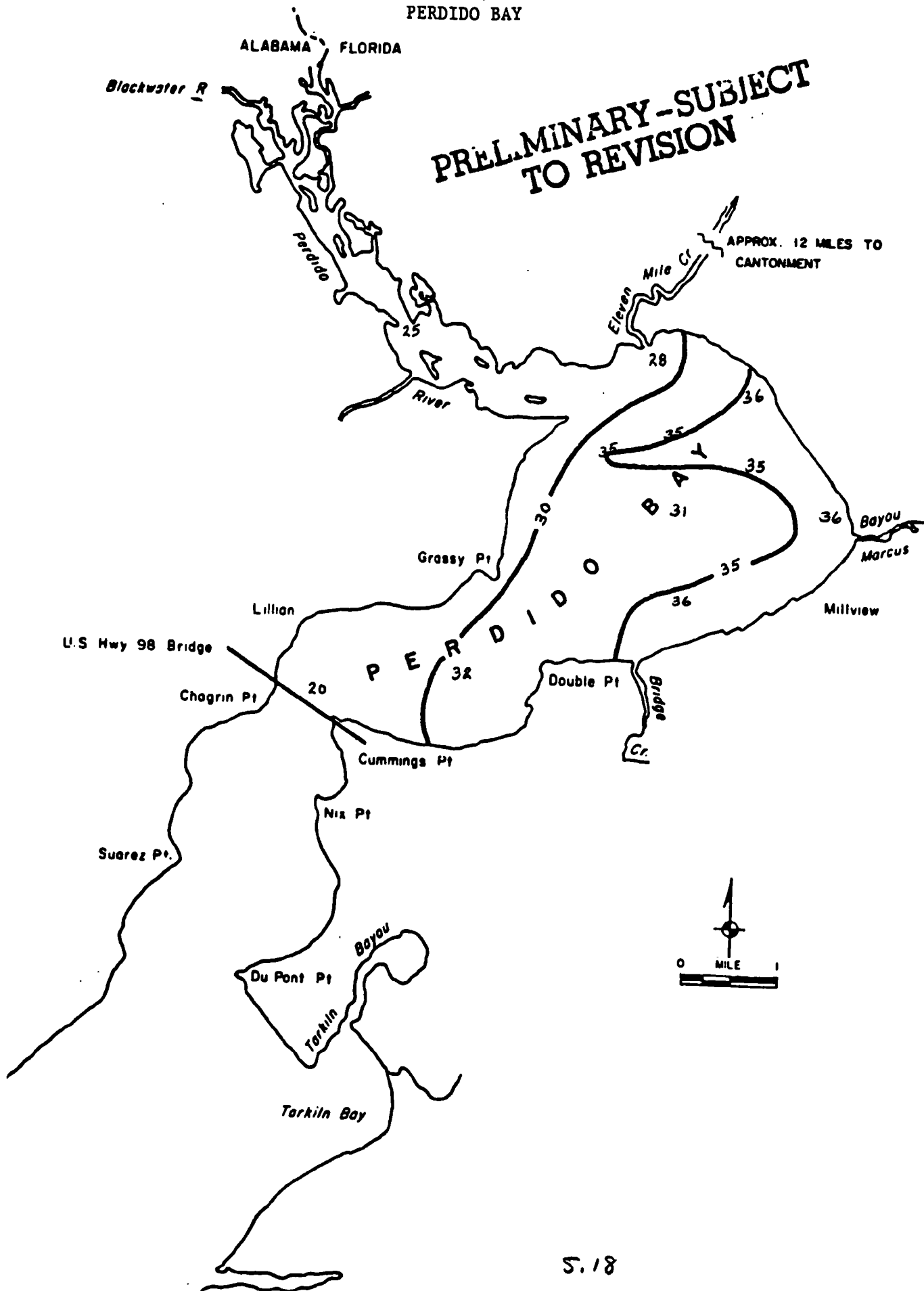
FIGURE

CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND
HIGH SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY



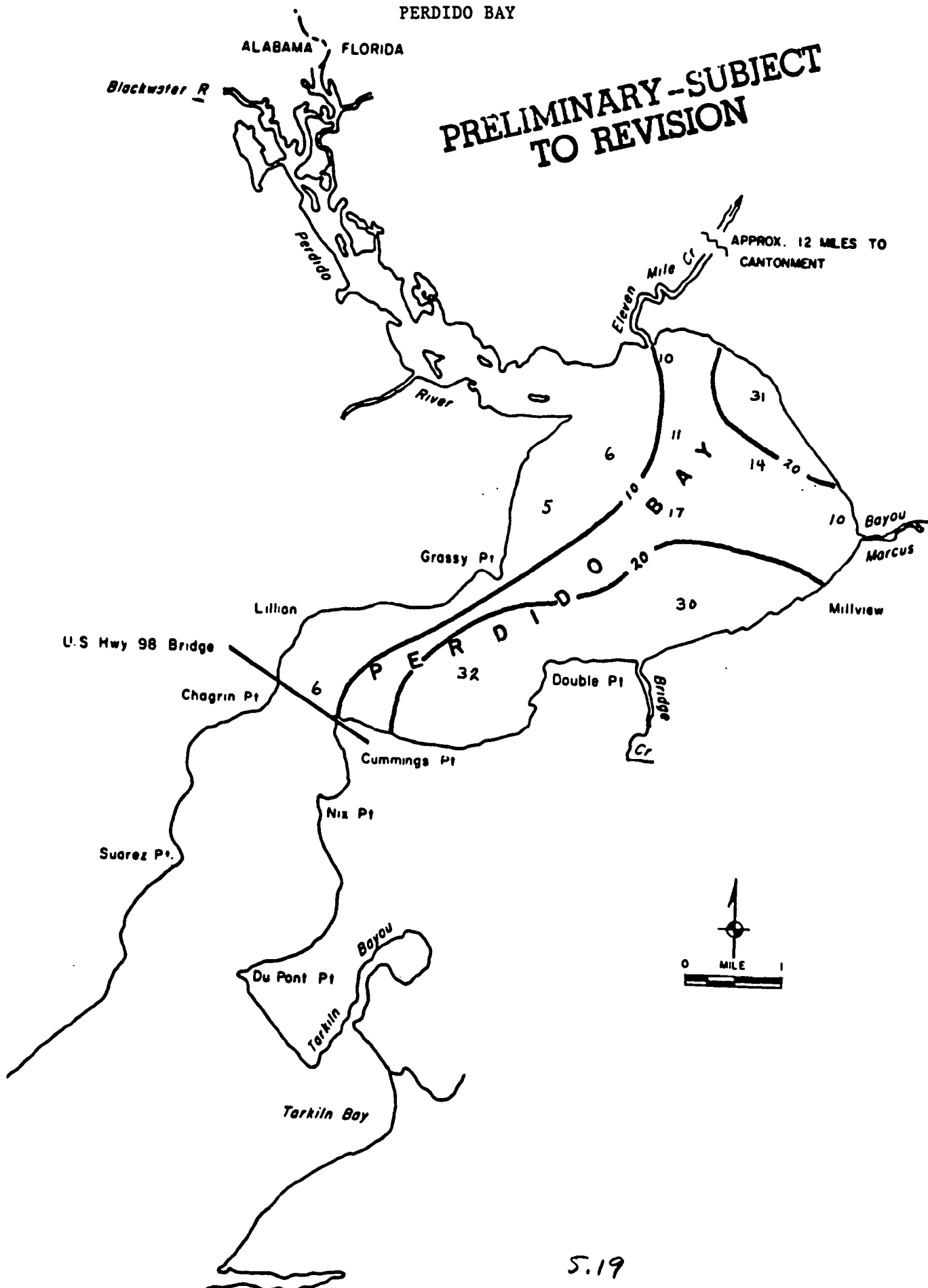
FIGURE

COLOR CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY



FIGURE

TOTAL SUSPENDED SOLIDS CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY



FIGURE

TOTAL ORGANIC CARBON CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY

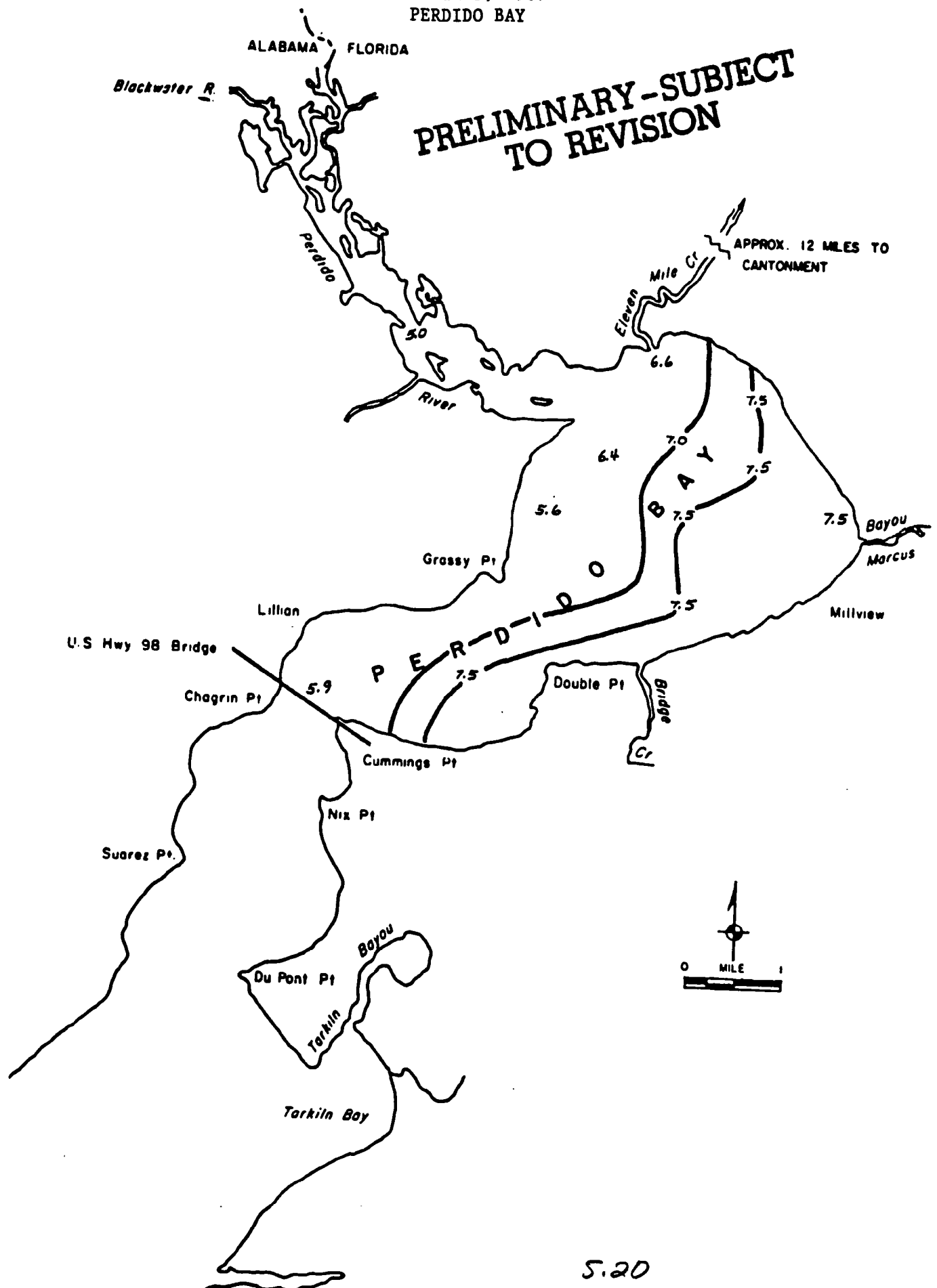
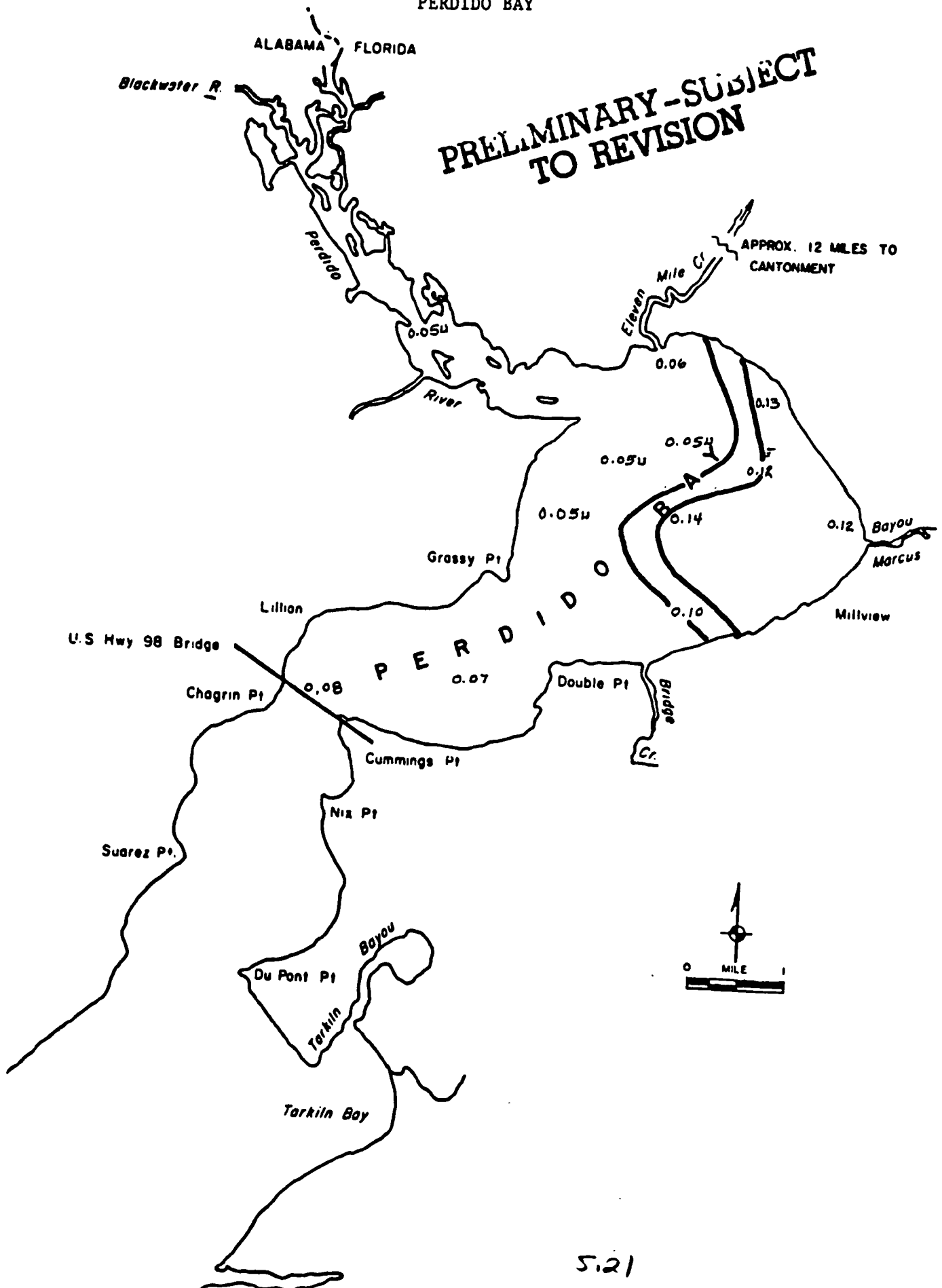
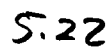


FIGURE
AMMONIA NITROGEN CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY

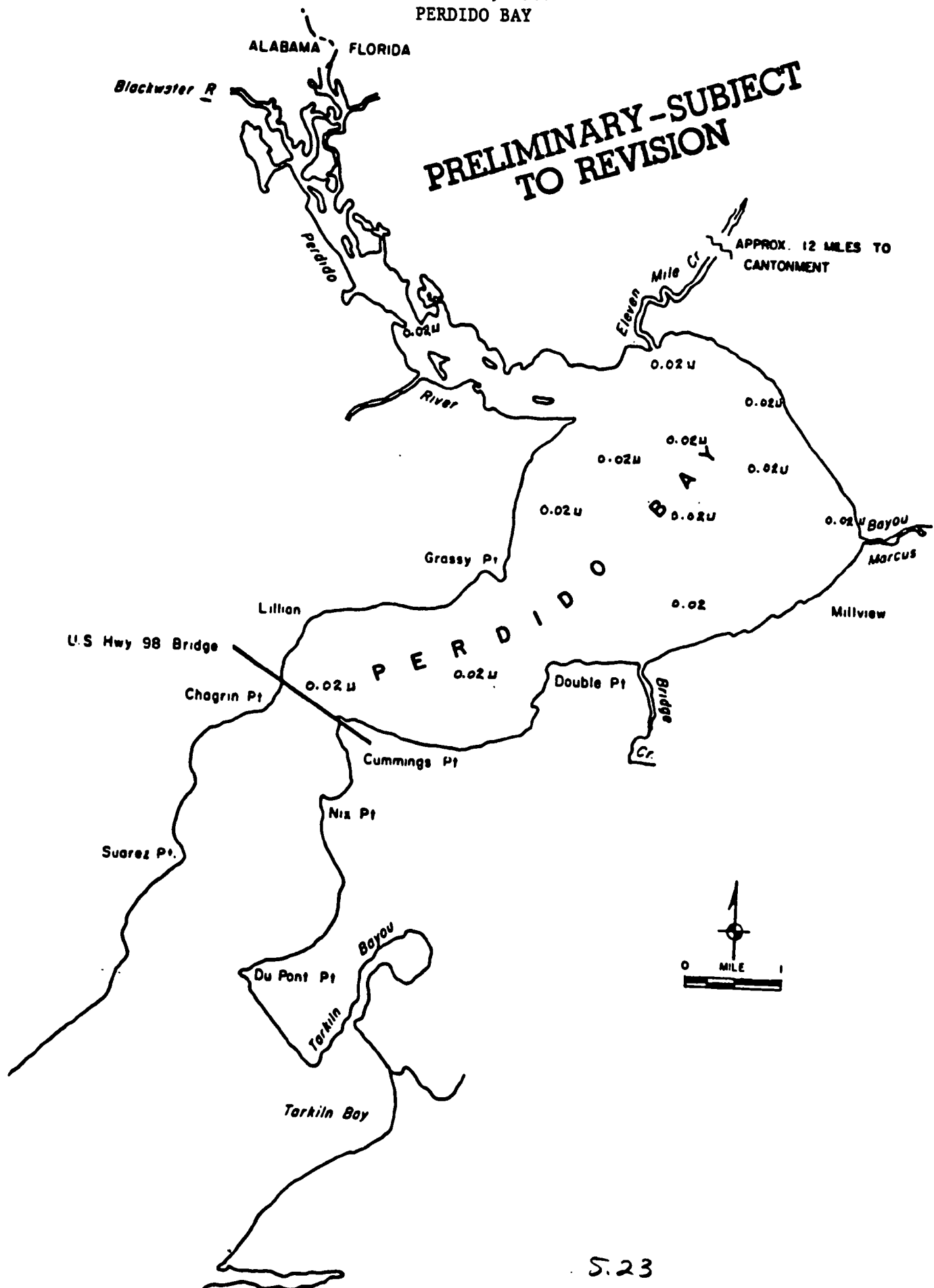


NITRITE-NITRATE NITROGEN CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY

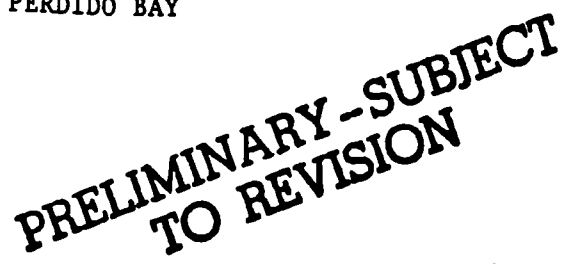


FIGURE

TOTAL PHOSPHORUS CONCENTRATION
HIGH SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY



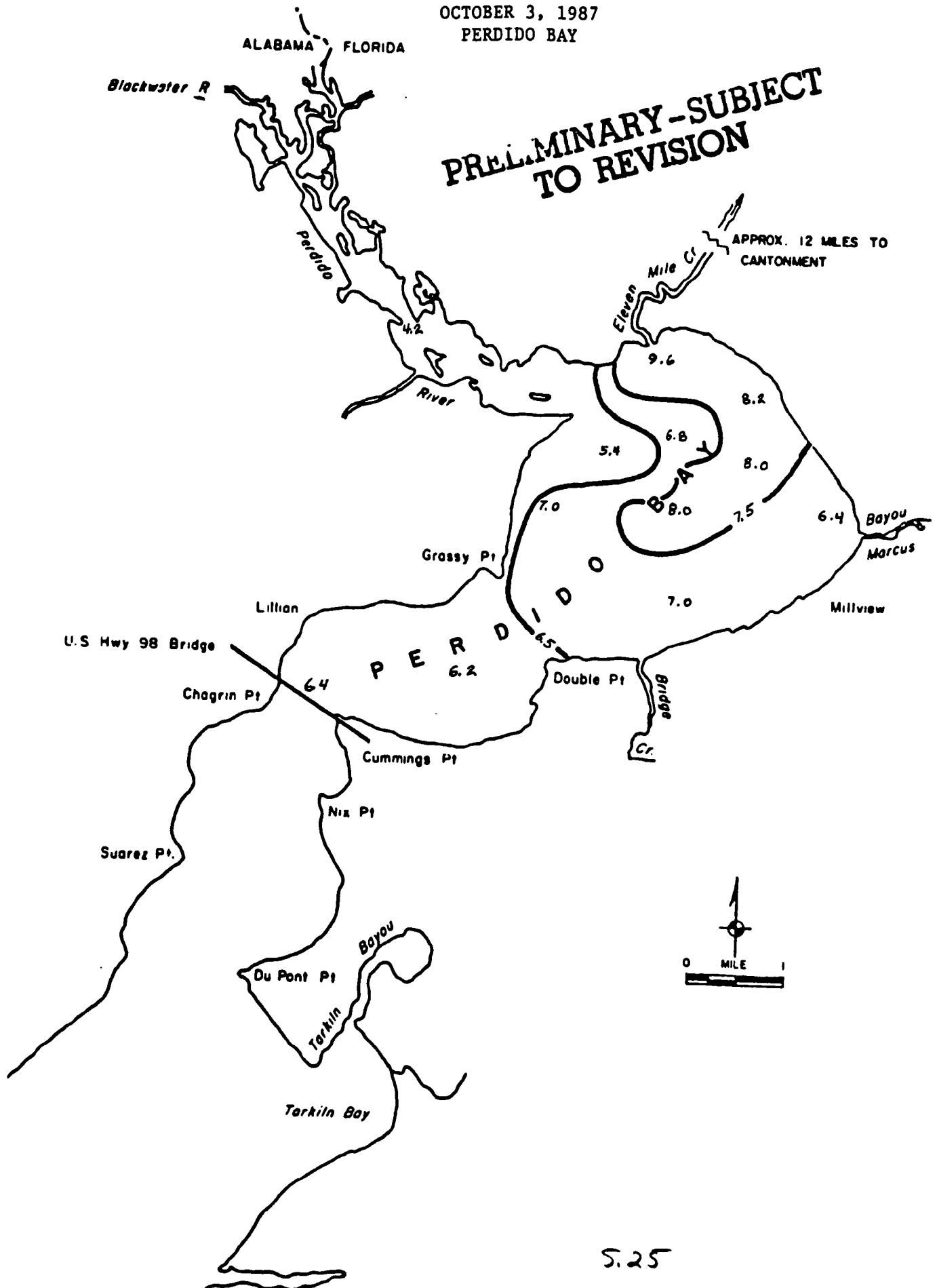
ORTHO PHOSPHORUS CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY



FIGURE

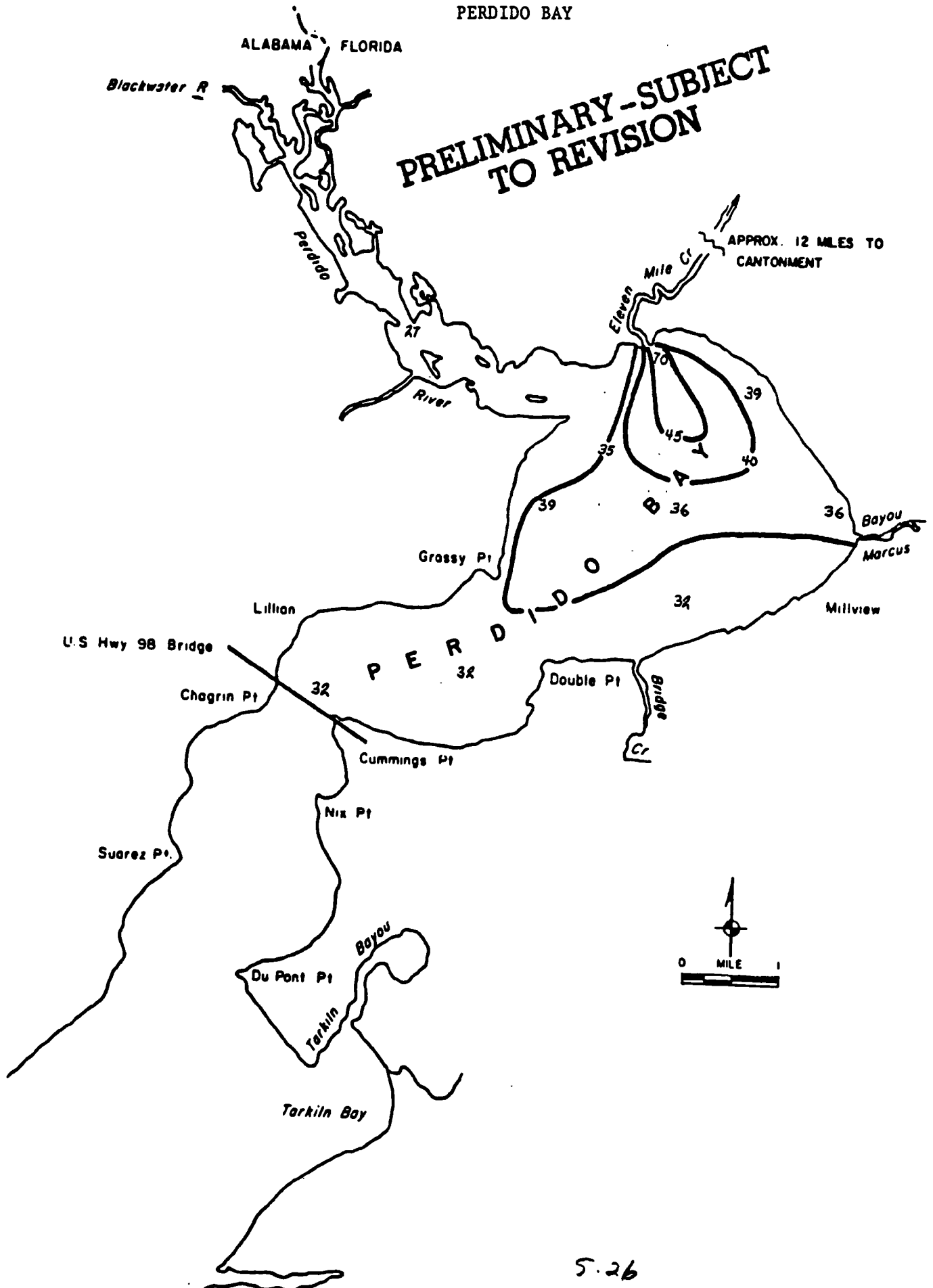
CARBONACEOUS BROCHEMICAL OXYGEN DEMAND
CONCENTRATIONS
LOW SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY

PRELIMINARY-SUBJECT
TO REVISION



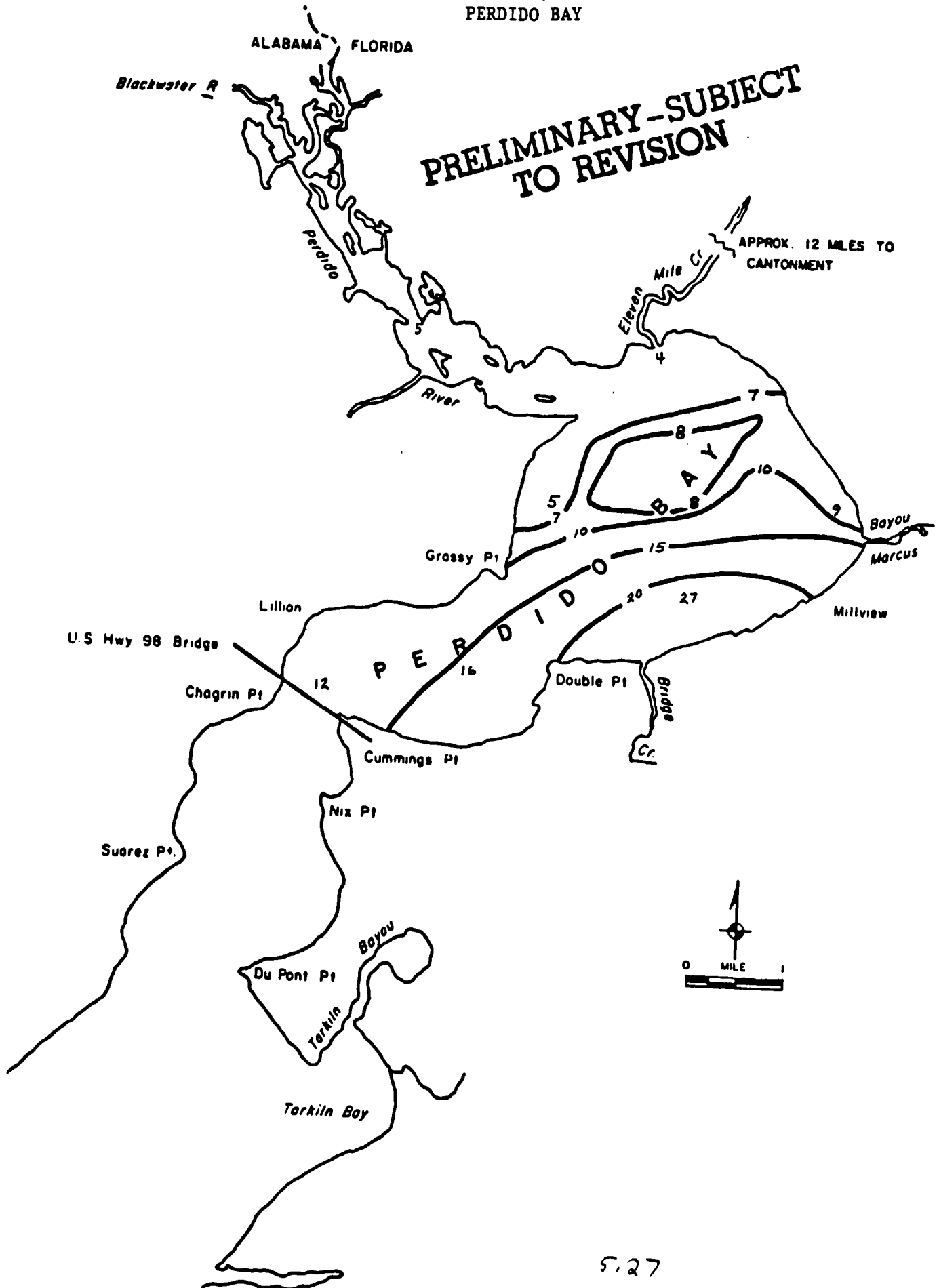
FIGURE

COLOR CONCENTRATIONS
LOW SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY



FIGURE

TOTAL SUSPENDED SOLIDS CONCENTRATIONS
LOW SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY



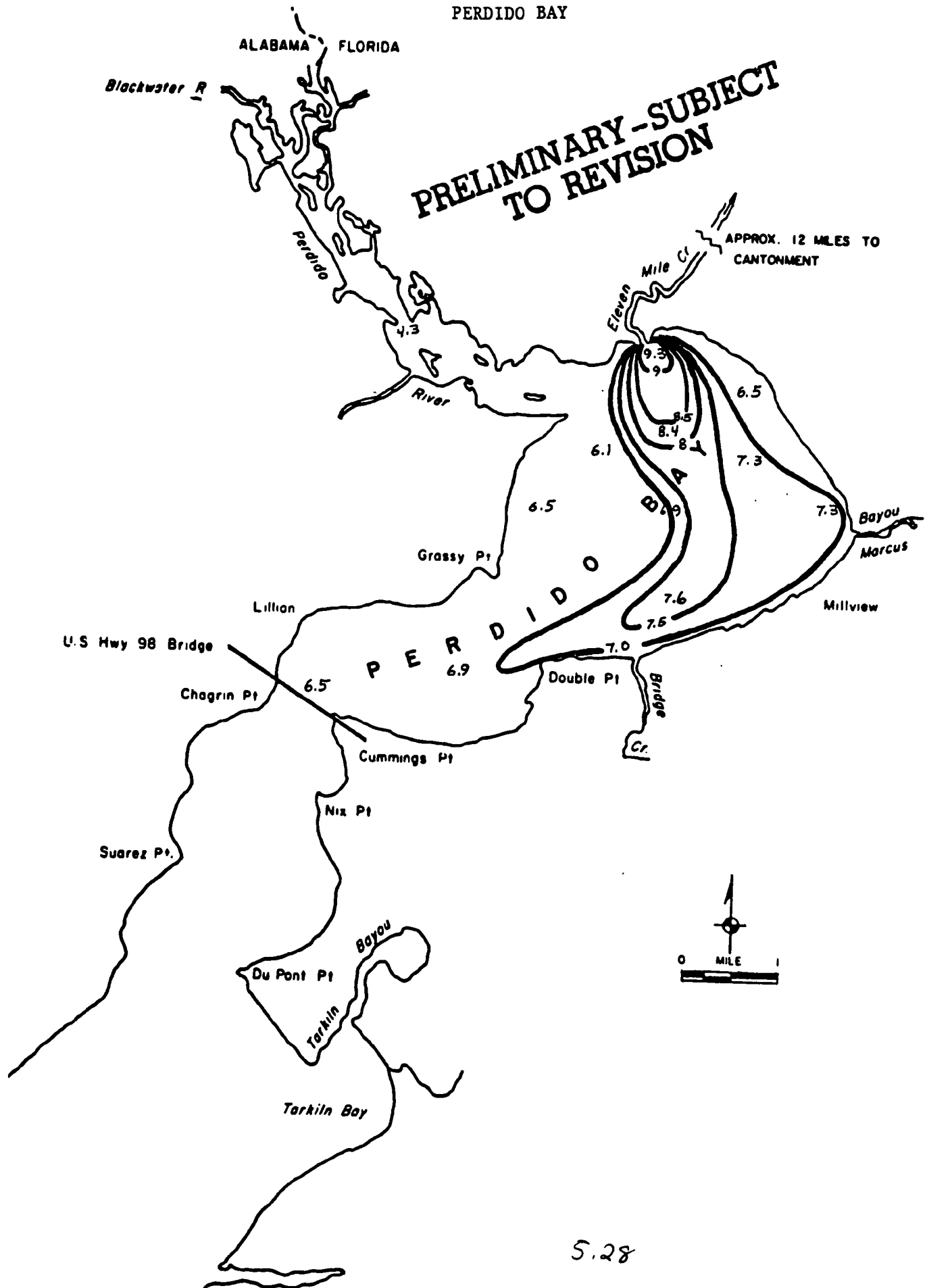
FIGURE

TOTAL ORGANIC CARBON CONCENTRATIONS

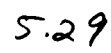
LOW SLACK TIDE

OCTOBER 3, 1987

PERDIDO BAY

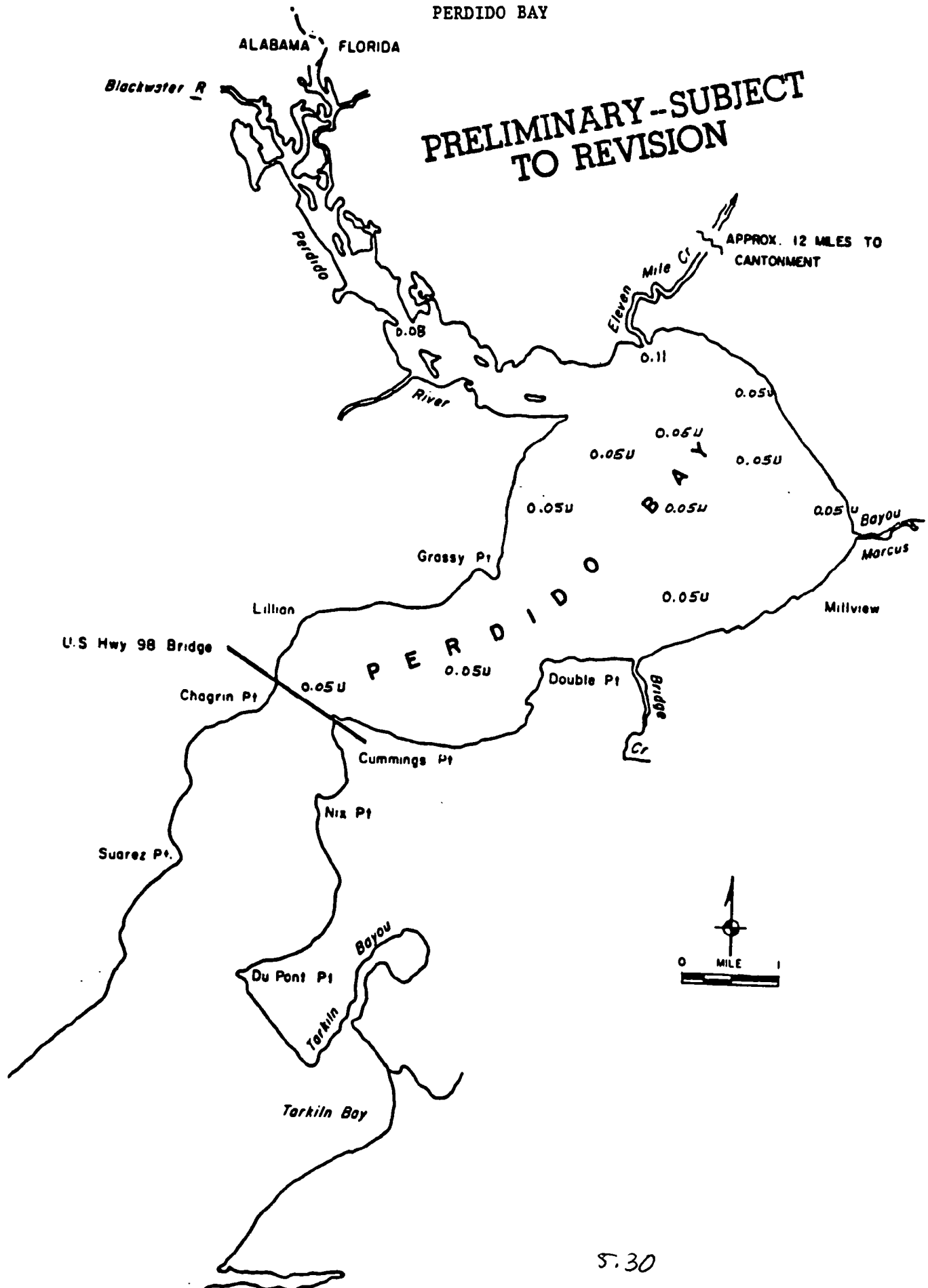


AMMONIA NITROGEN CONCENTRATIONS
LOW SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY



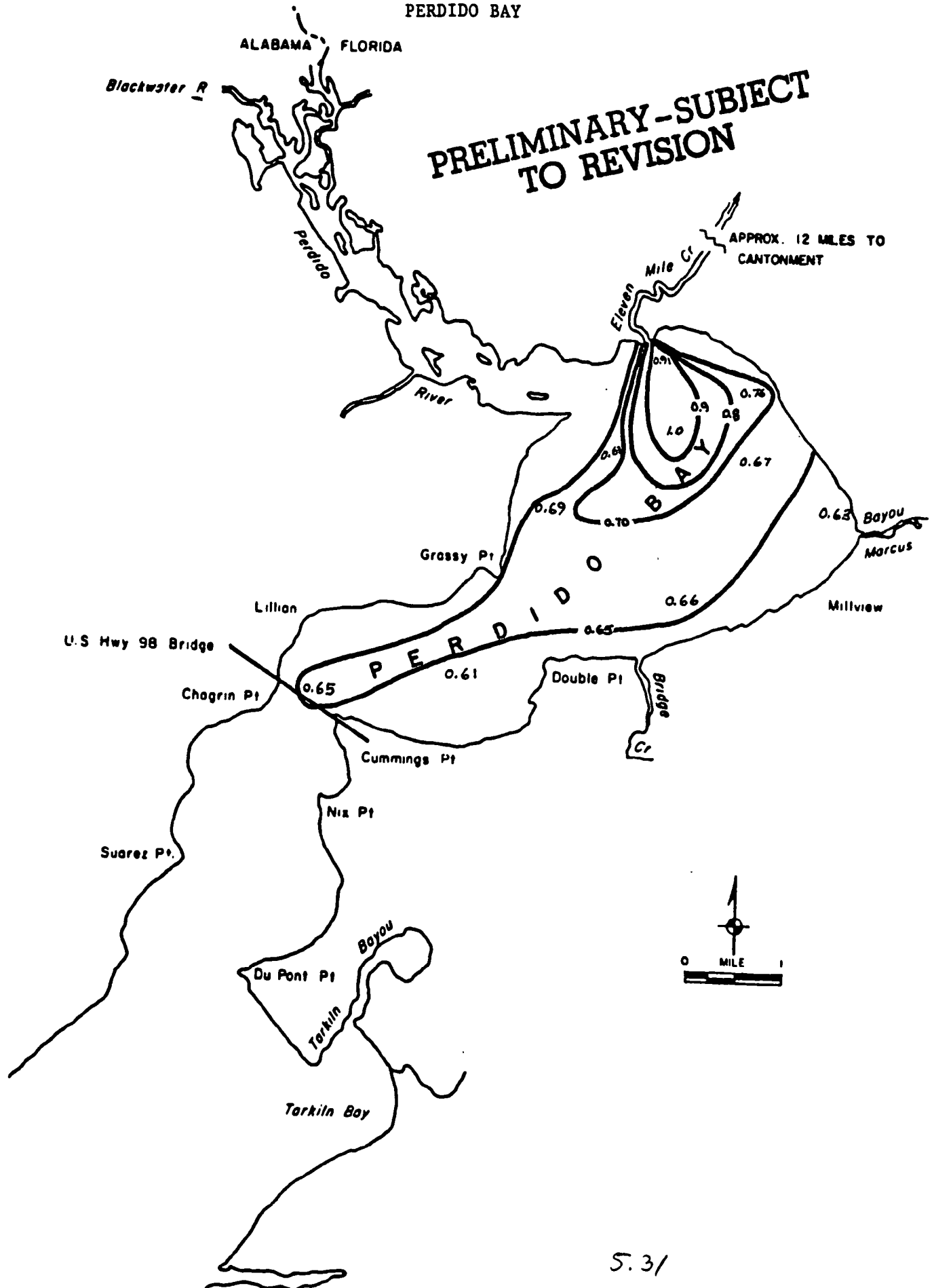
FIGURE

NITRITE-NITRATE NITROGEN CONCENTRATIONS
LOW SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY

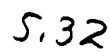


FIGURE

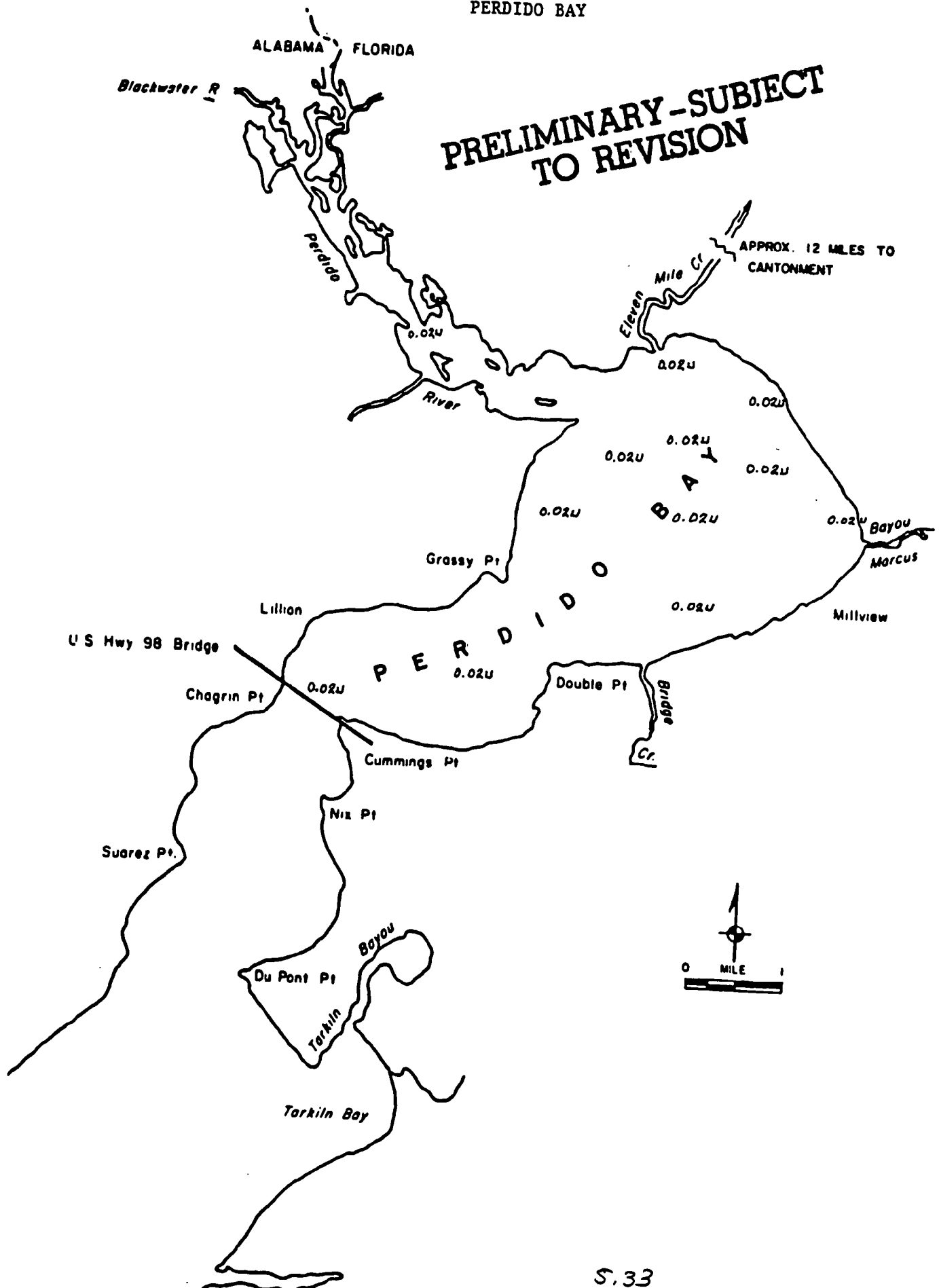
TOTAL KJELDAHL NITROGEN CONCENTRATIONS
LOW SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY



TOTAL PHOSPHORUS CONCENTRATION
LOW SLACK TIDE
OCTOBER 3, 1987
PERDIDO BAY

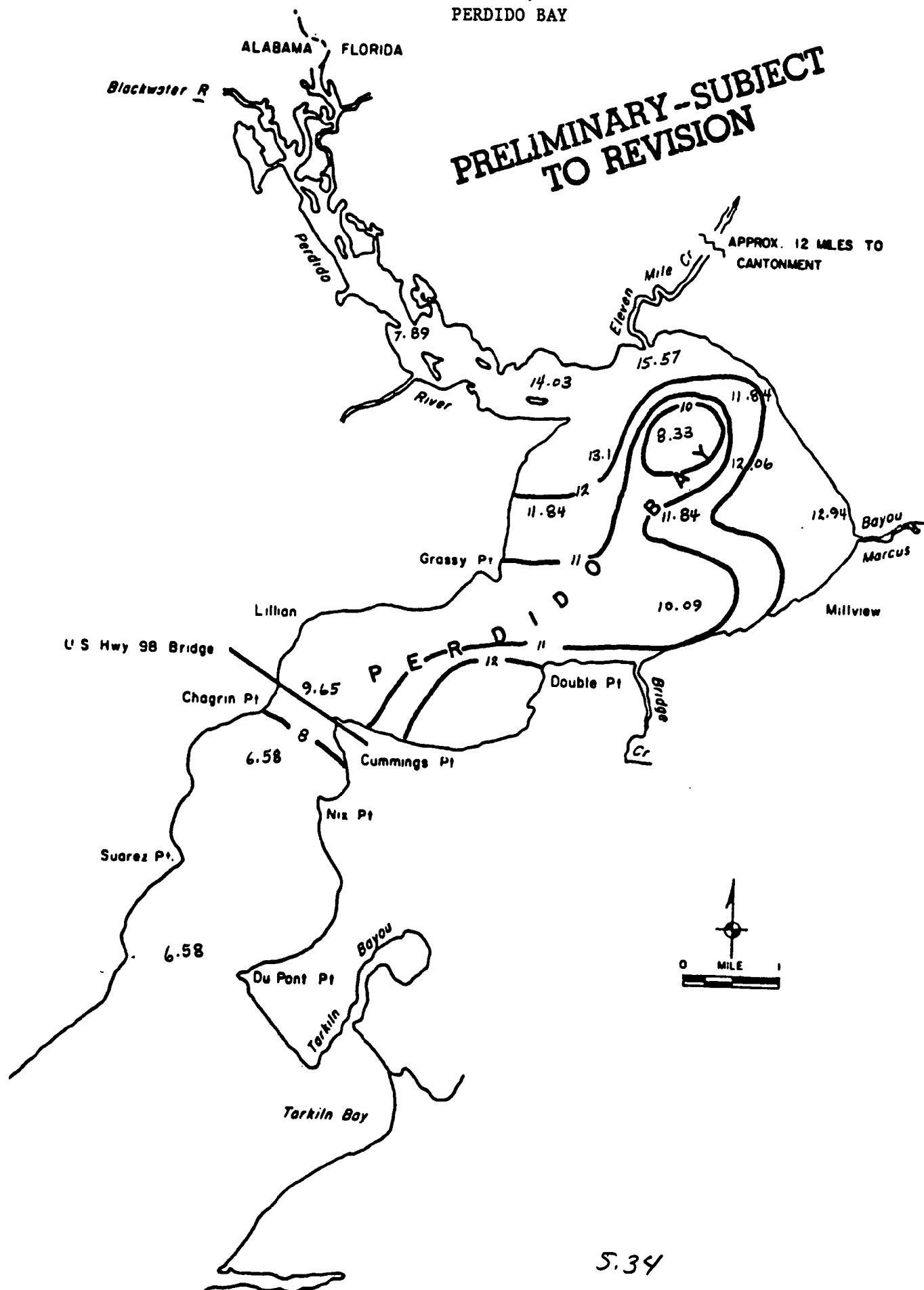


ORTHO PHOSPHORUS CONCENTRATIONS
 - LOW SLACK TIDE
 OCTOBER 3, 1987
 PERDIDO BAY



FIGURE

CHLOROPHYLL a CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 4, 1987
PERDIDO BAY



COLOR CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 4, 1987
PERDIDO BAY

PRELIMINARY - SUBJECT
TO REVISION

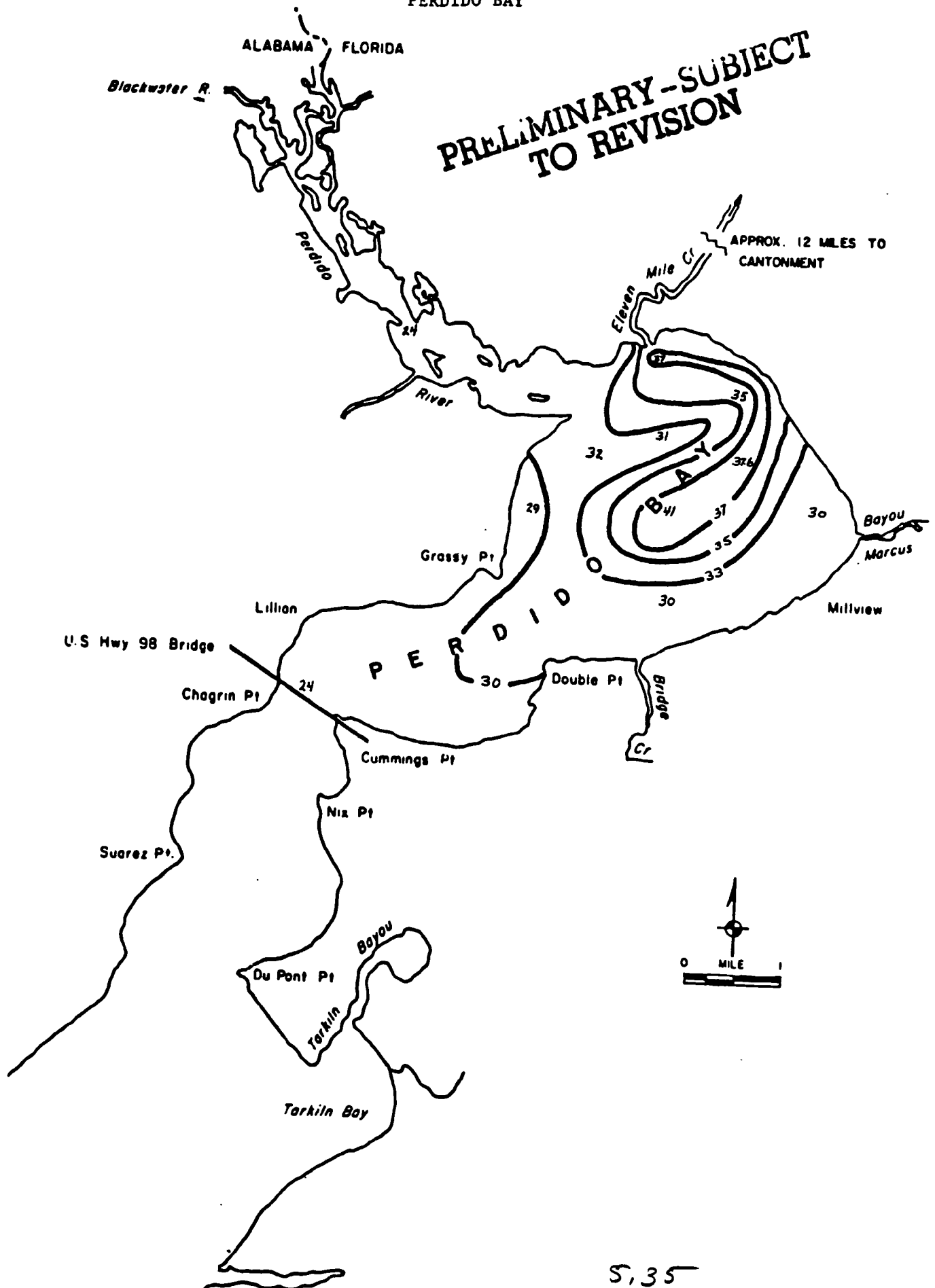
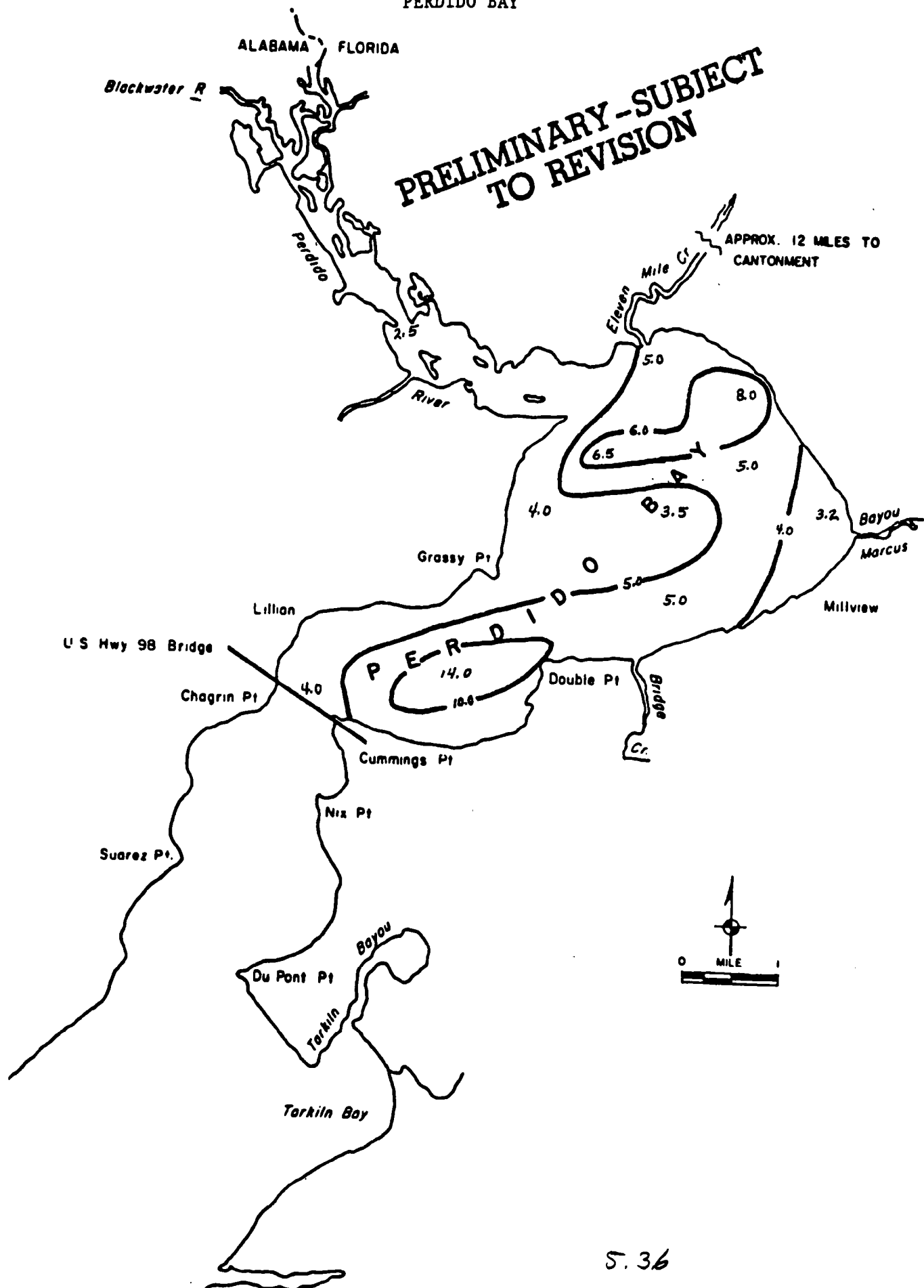
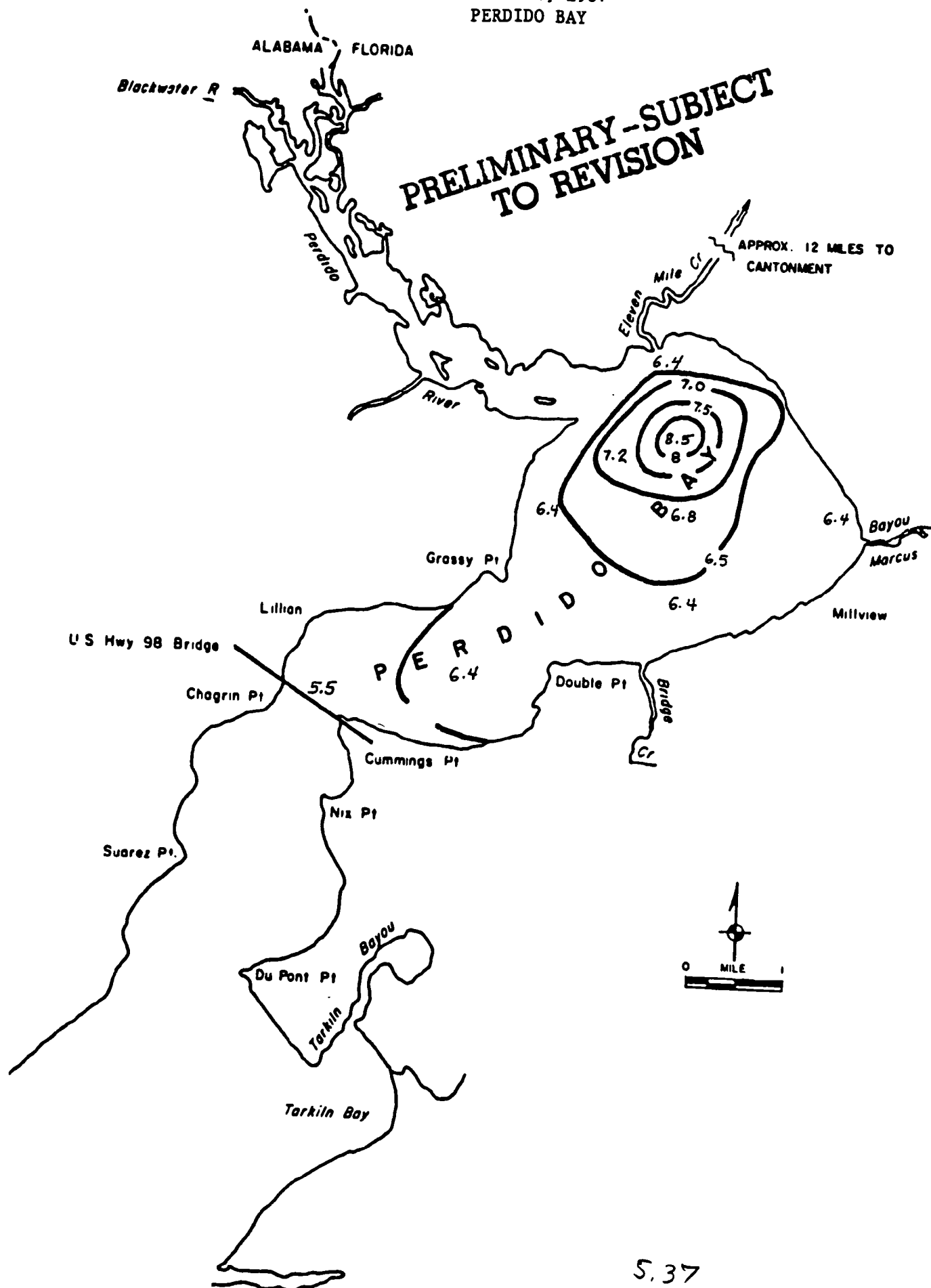


FIGURE
TOTAL SUSPENDED SOLIDS CONCENTRATION
HIGH SLACK TIDE
OCTOBER 4, 1987
PERDIDO BAY



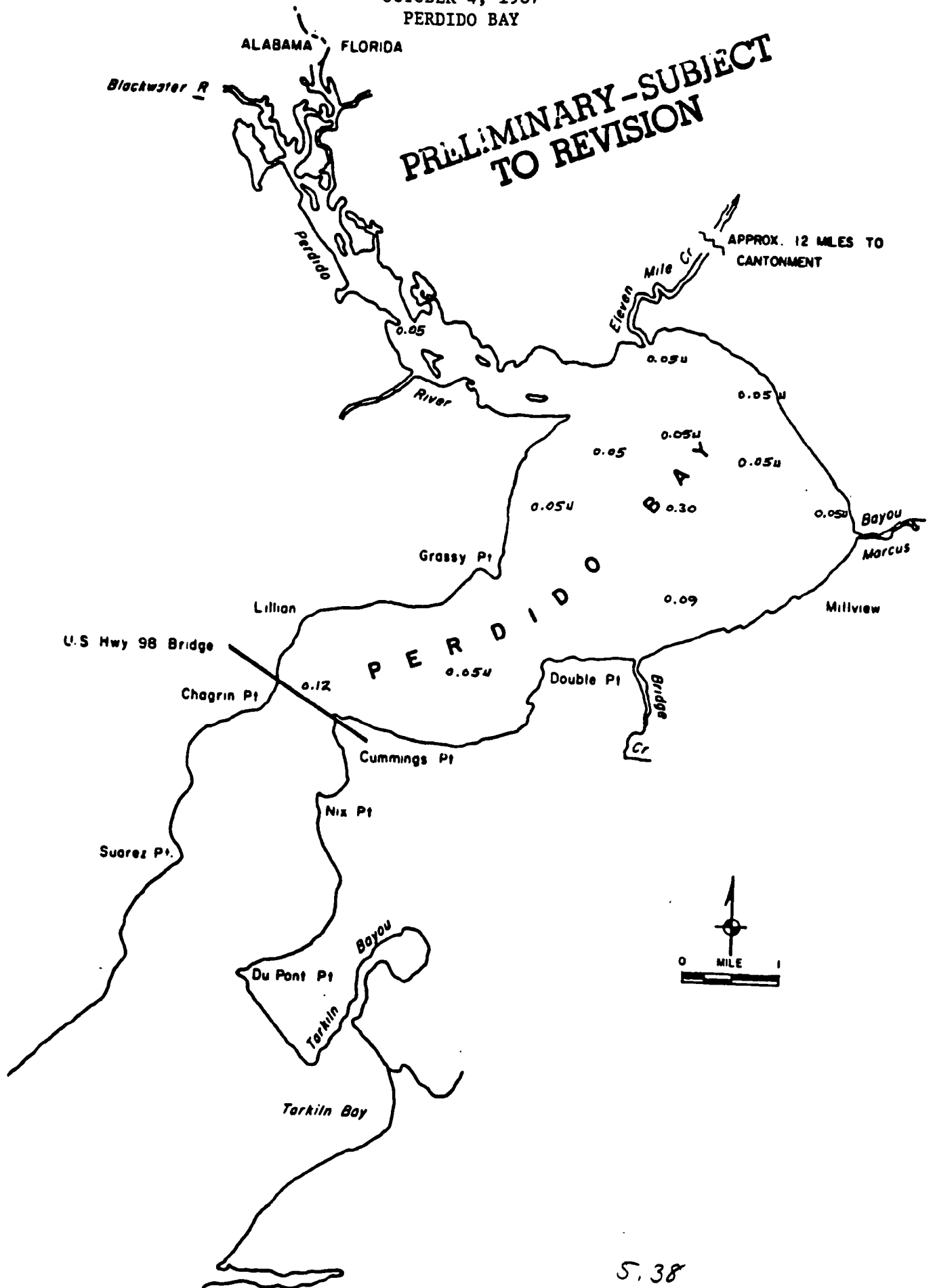
FIGURE

TOTAL ORGANIC CARBON CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 4, 1987
PERDIDO BAY

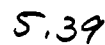


FIGURE

AMMONIA NITROGEN CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 4, 1987
PERDIDO BAY

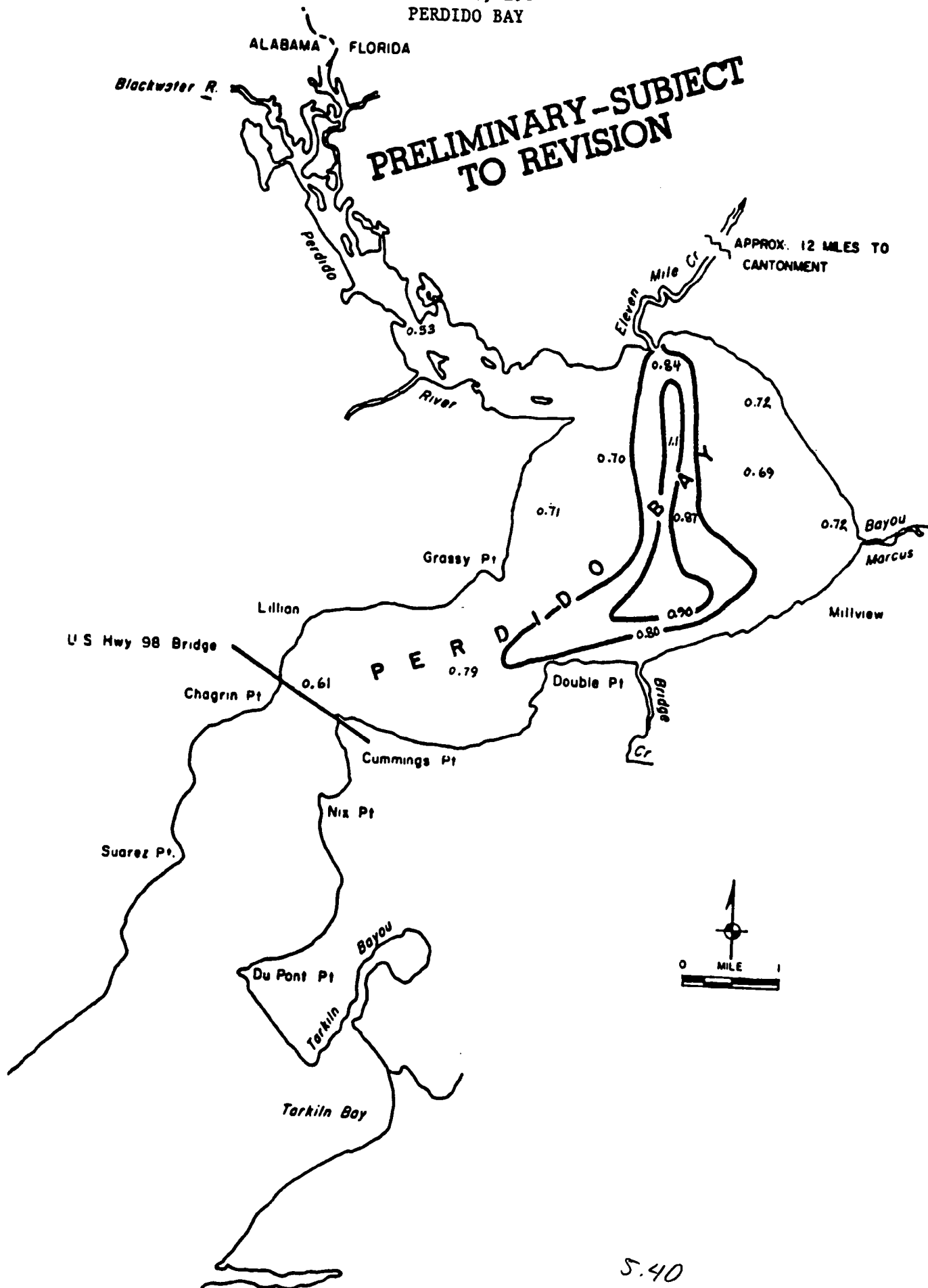


NITRITE-NITRATE NITROGEN CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 4, 1987
PERDIDO BAY



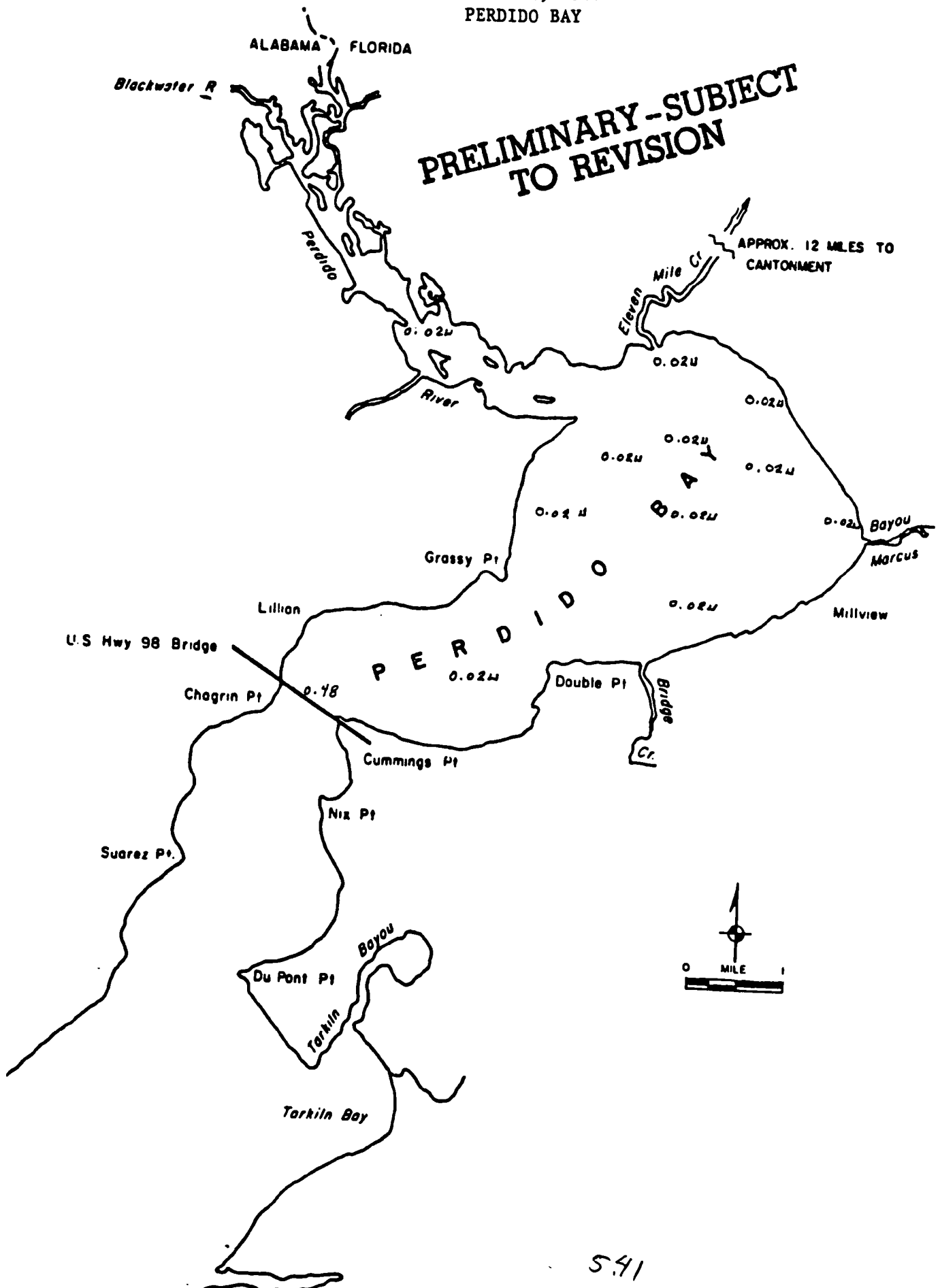
FIGURE

TOTAL KJELDAHL NITROGEN CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 4, 1987
PERDIDO BAY



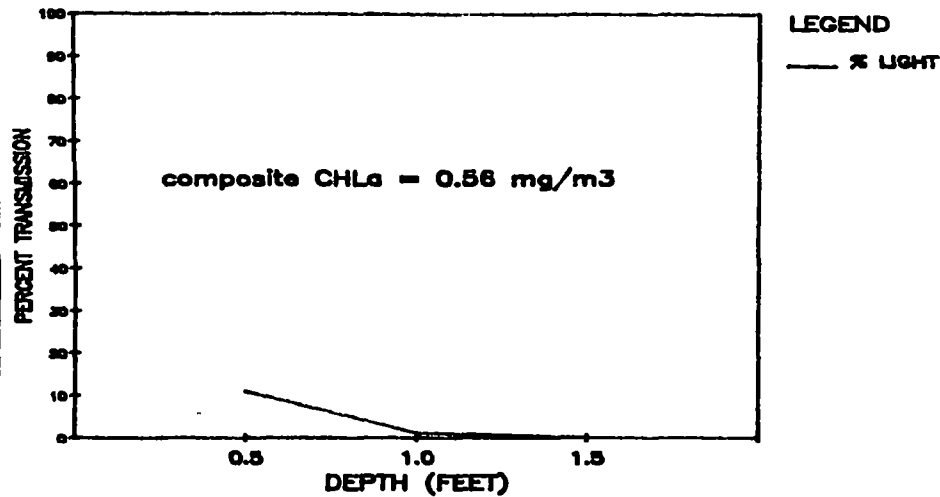
FIGURE

TOTAL PHOSPHORUS CONCENTRATIONS
HIGH SLACK TIDE
OCTOBER 4, 1987
PERDIDO BAY

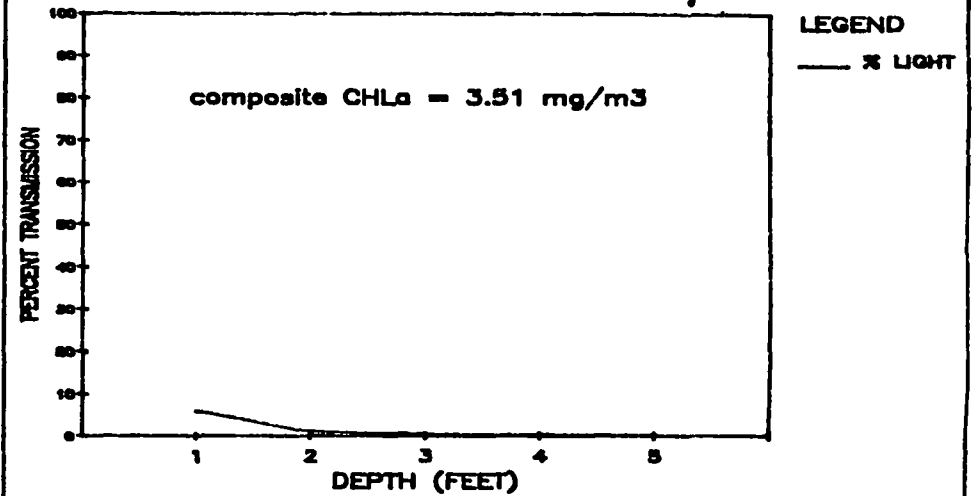


PRELIMINARY-SUBJECT TO REVISION

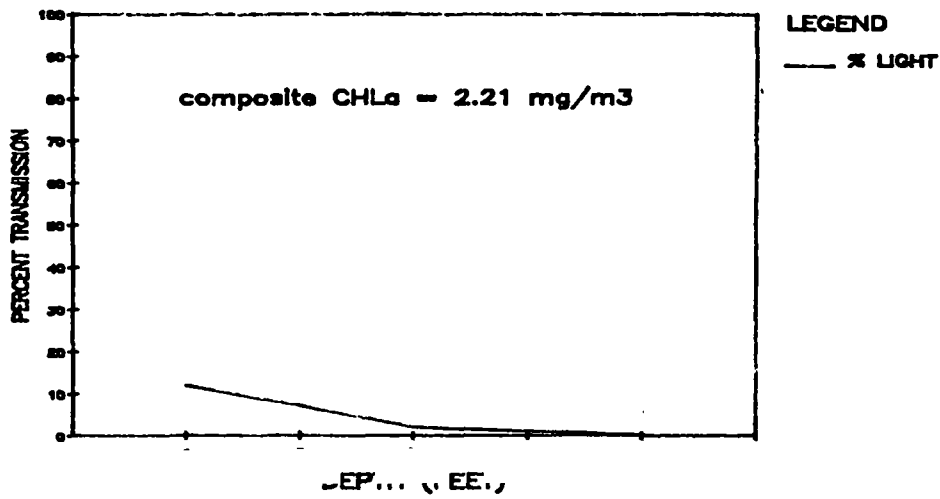
STATION C-2
10/3/87 @ 1355



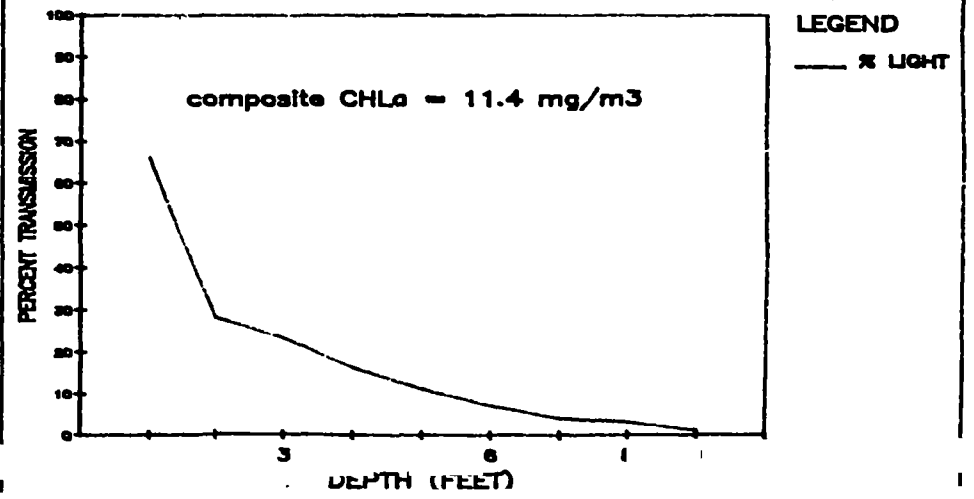
STATION C-3
10/3/87 @ 1420



STATION C-4
10/3/87 @ 1450

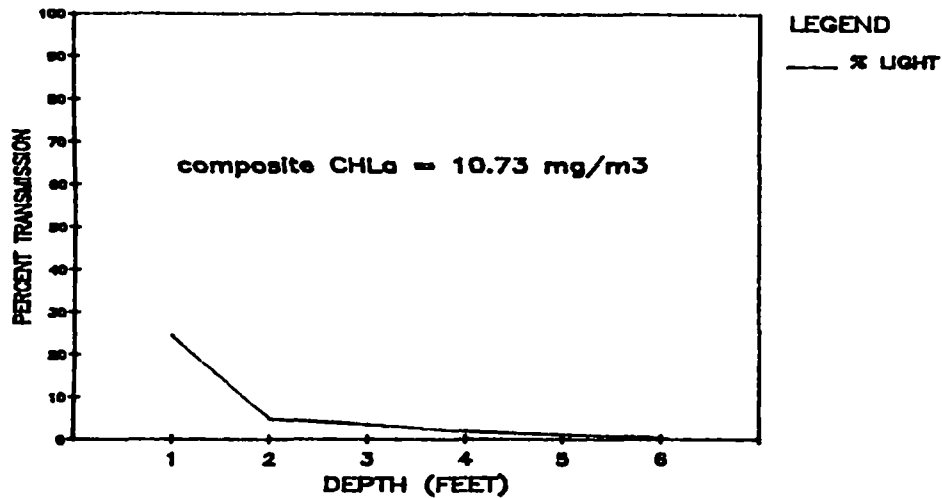


STATION C-8
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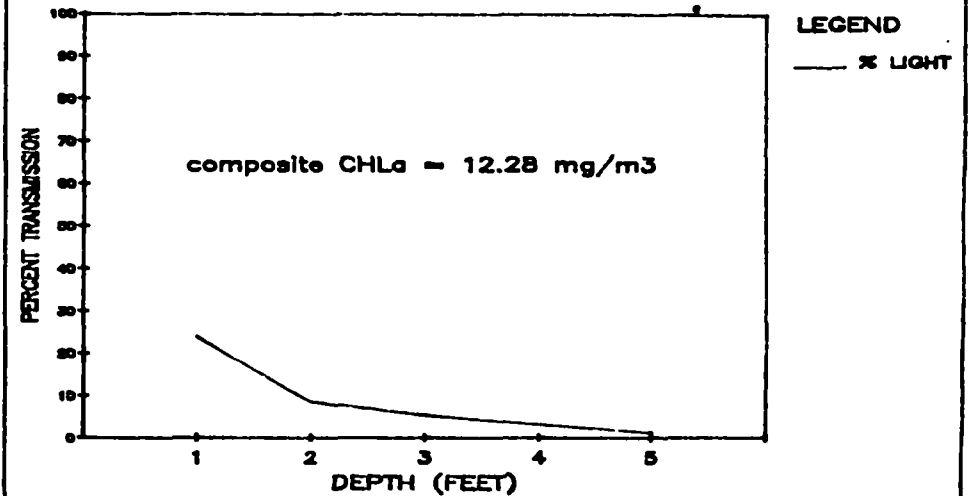


PRELIMINARY-SUBJECT TO REVISION

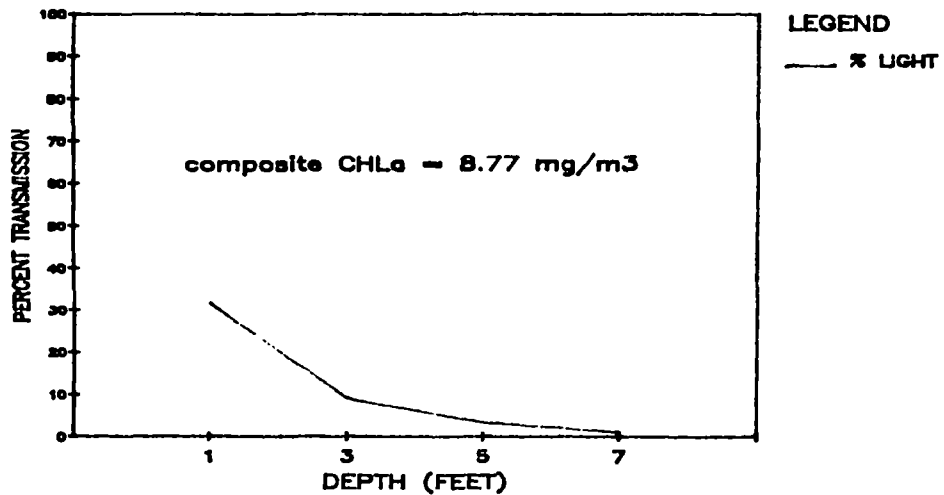
STATION C-11
10/3/87 @ 1145



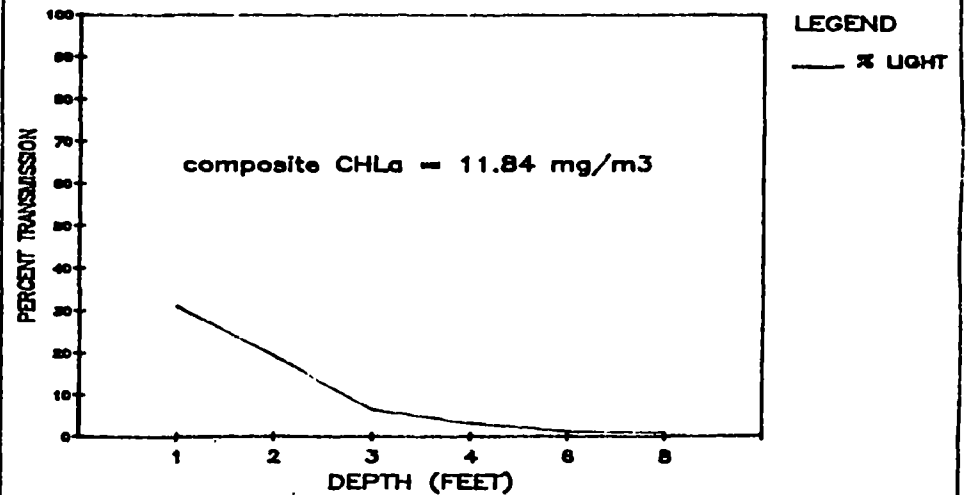
STATION C-9
10/3/87 @ 1250



STATION C-7
10/3/87 @ 1400



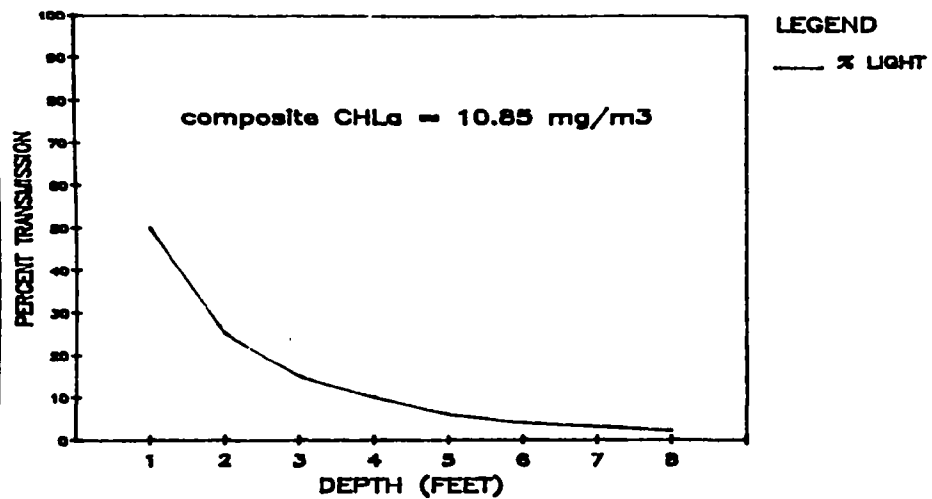
STATION C-6
10/3/87 @ 1310



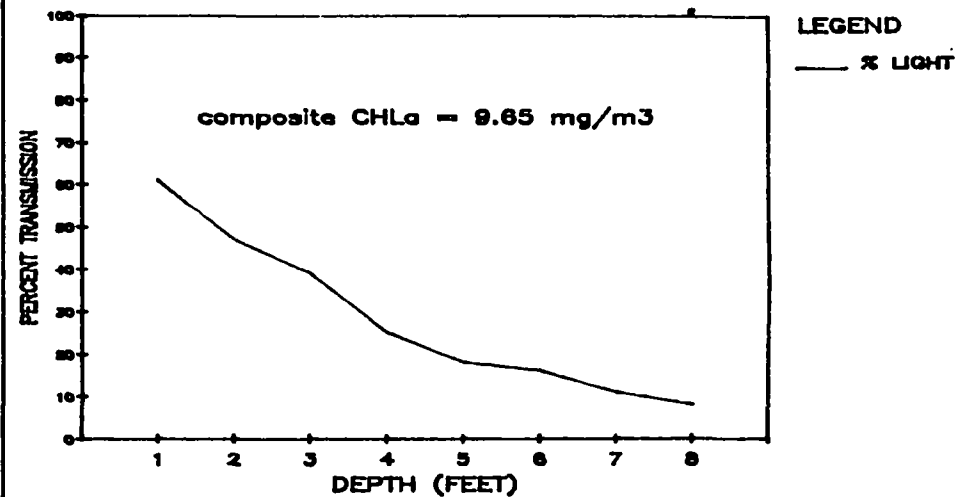
S. 43

PRELIMINARY-SUBJECT TO REVISION

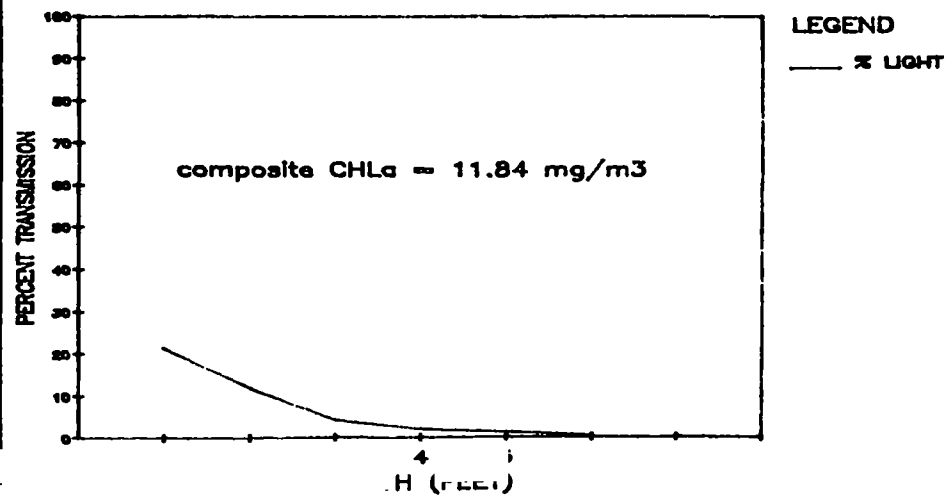
STATION C-7.5
10/3/87 @ 1255



STATION C-8.5
10/3/87 @ 1130



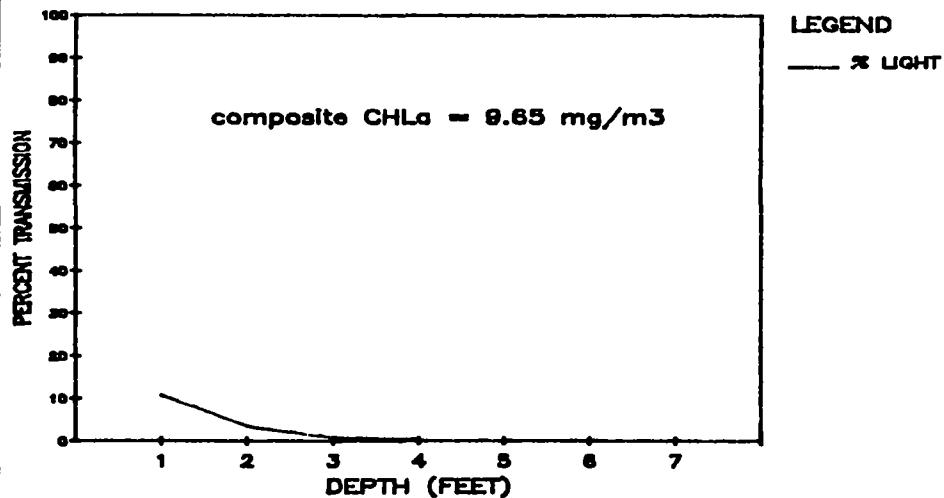
STATION C-11.5
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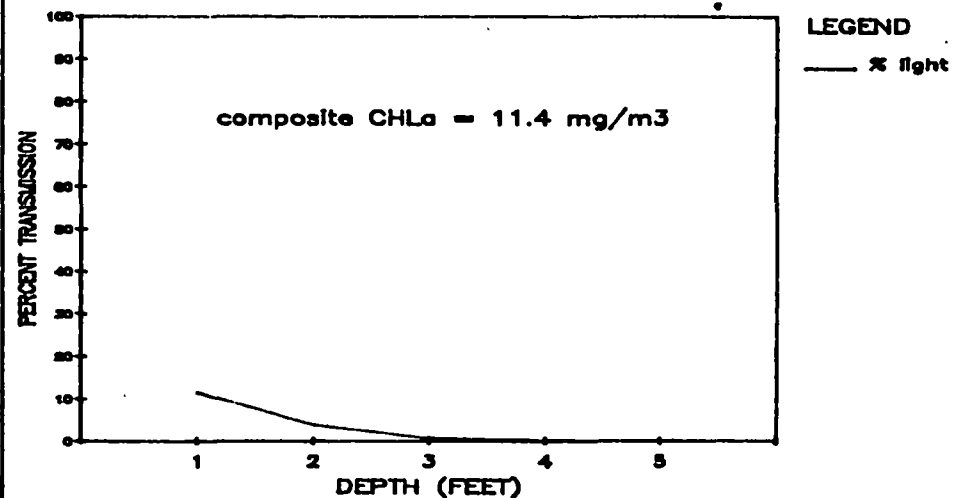
hhs

PRELIMINARY-SUBJECT TO REVISION

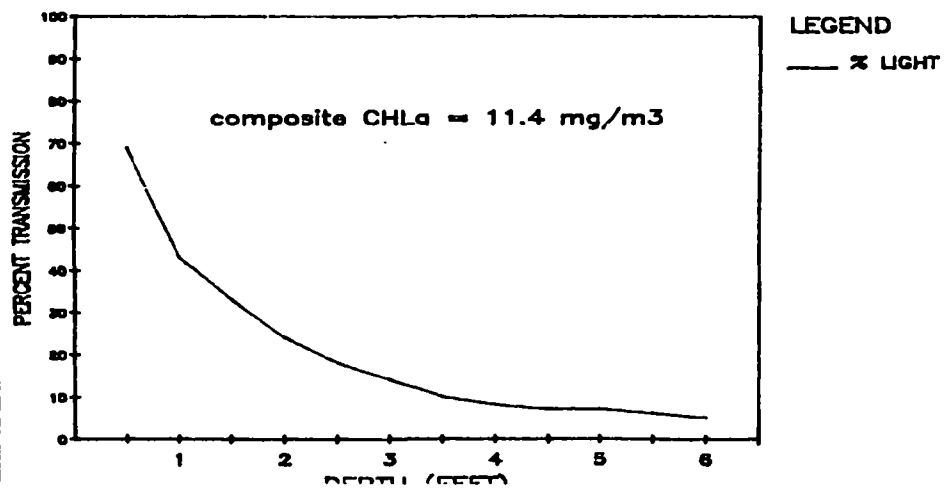
STATION C-14
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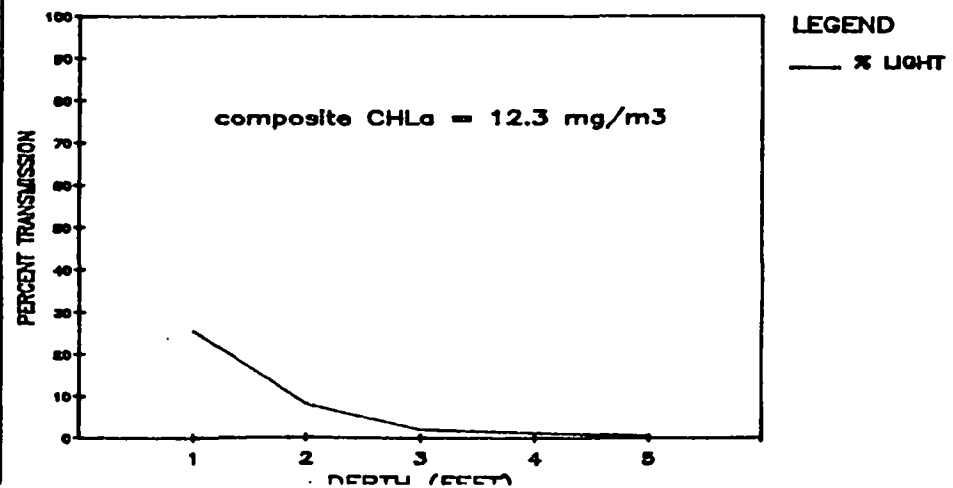
STATION C-13
10/3/87 @ 1125



STATION C-10
10/3/87 @ 0923



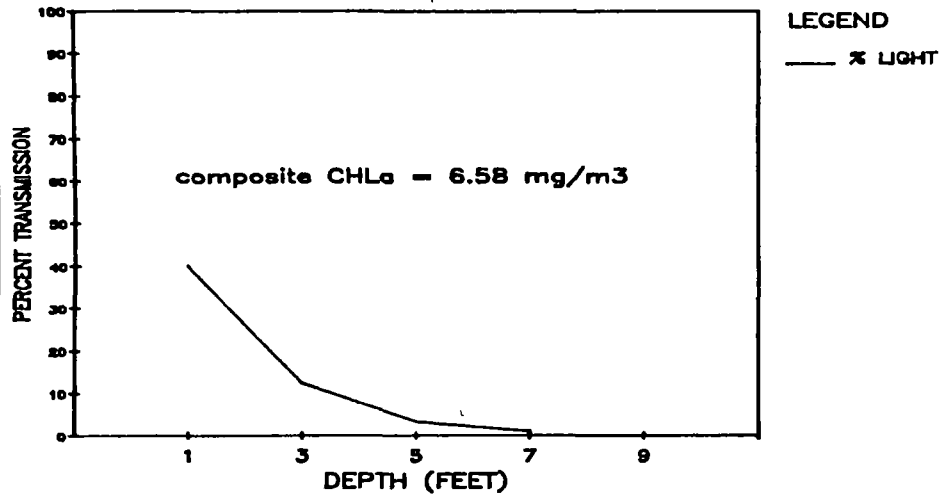
STATION C-12
10/3/87 @ 1230



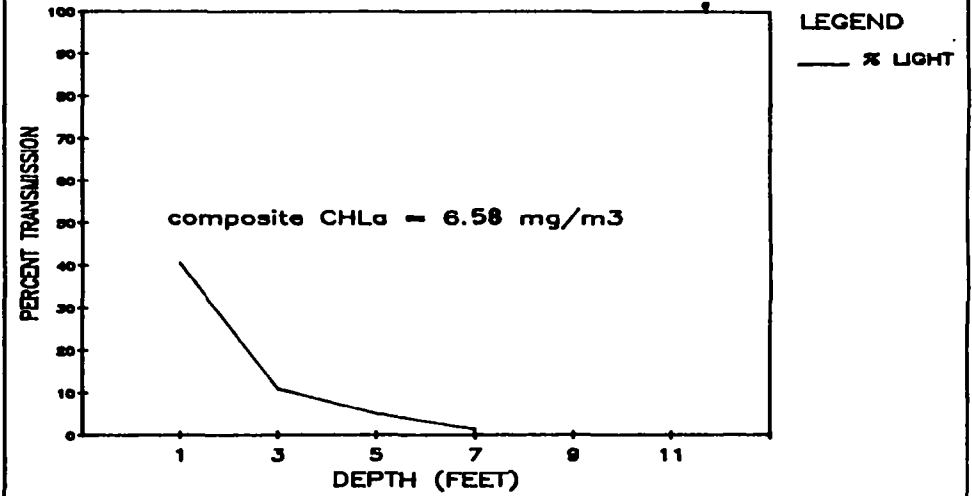
545

PRELIMINARY-SUBJECT TO REVISION

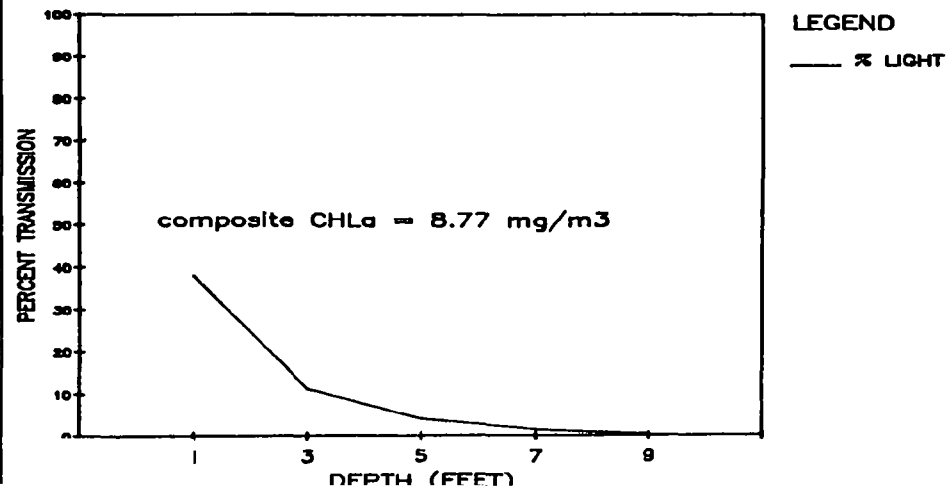
STATION C-16
10/3/87 @ 0935



STATION C-15
10/3/87 @ 0955



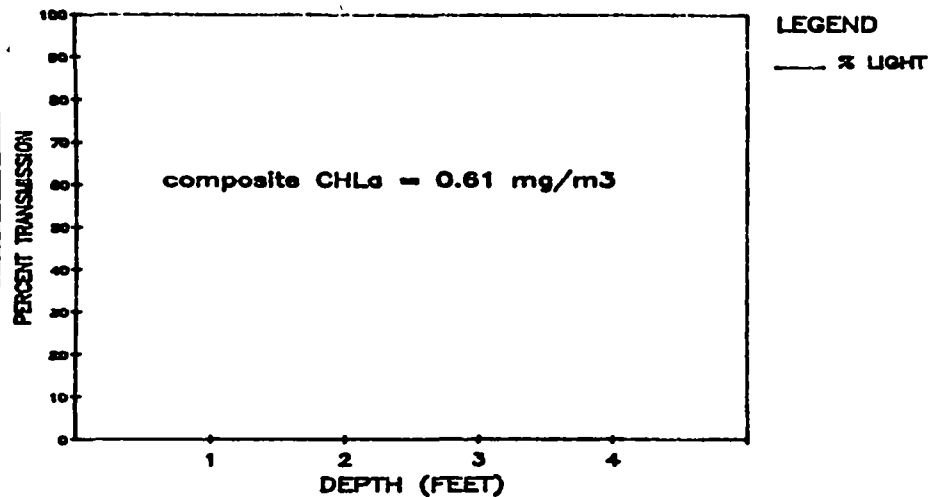
STATION C-14.5
10/3/87 @ 1010



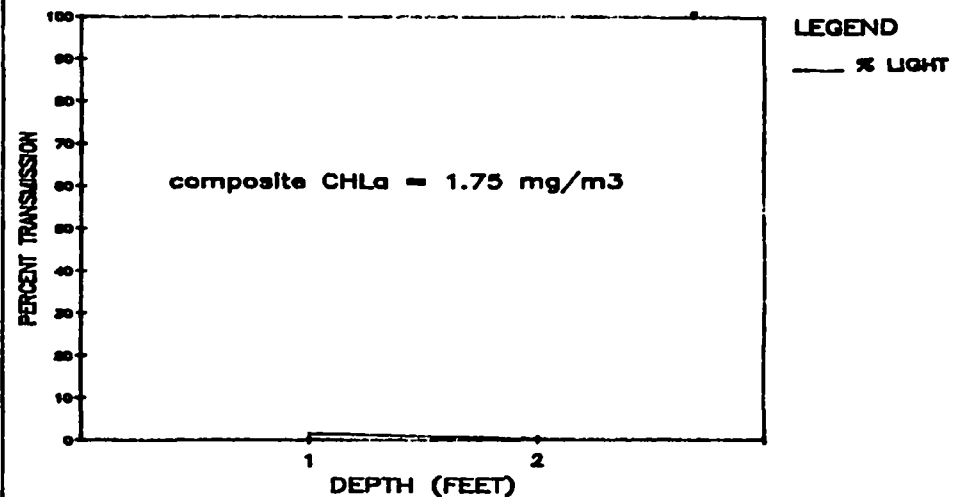
94.5

PRELIMINARY-SUBJECT TO REVISION

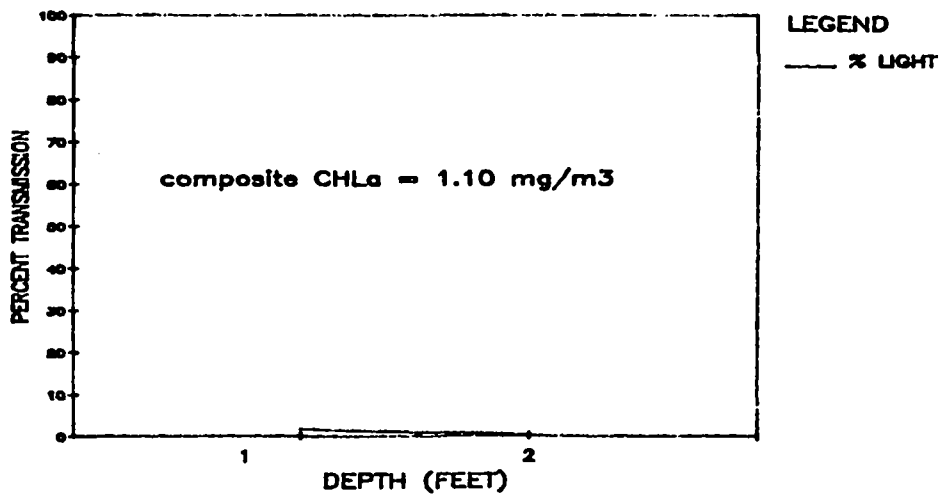
STATION C-2
10/4/87 @ 1500



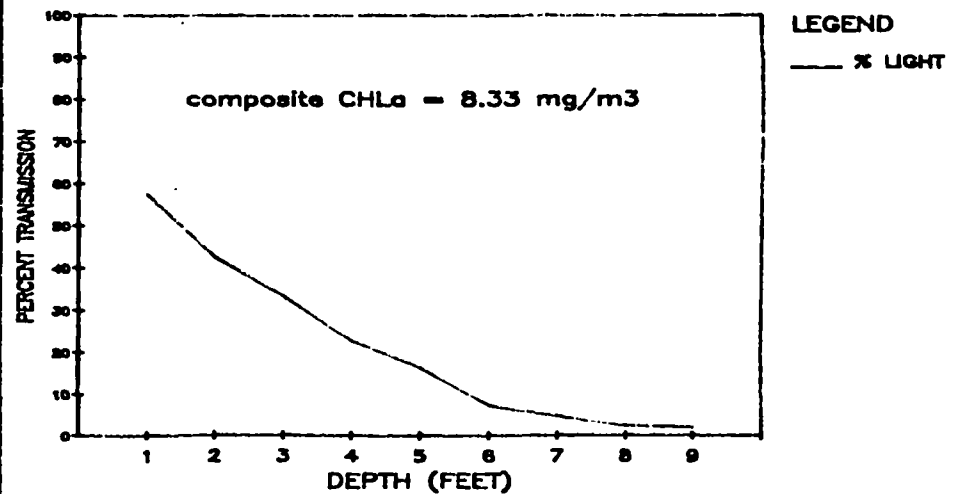
STATION C-3
10/4/87 @ 1547



STATION C-4
10/4/87 @ 1600



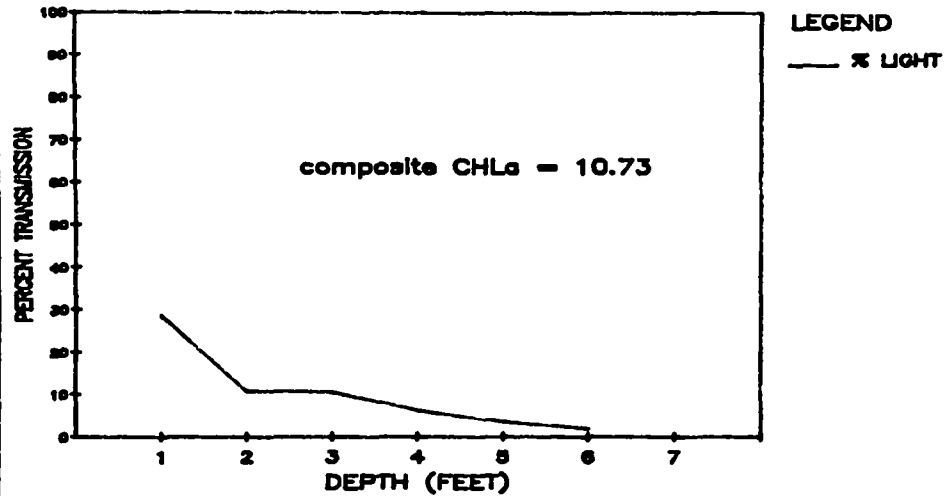
STATION C-8
10/4/87 @ 1210



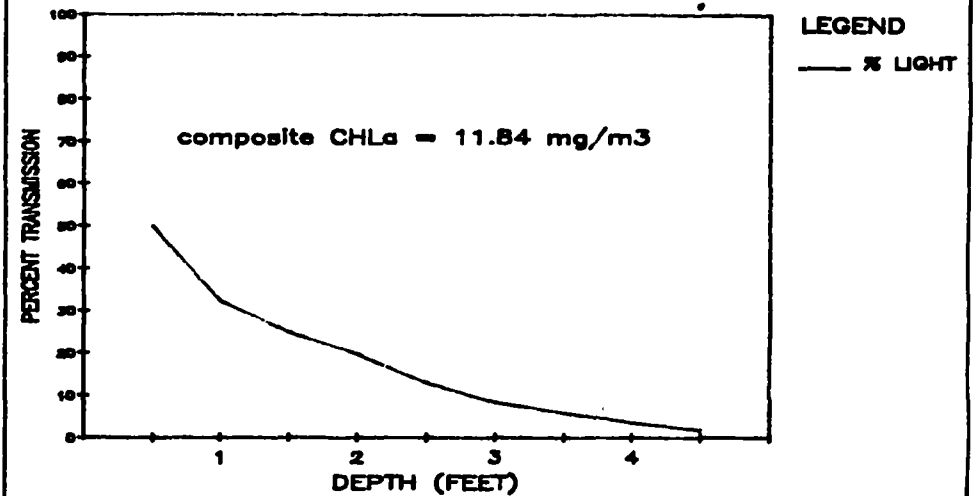
5.47

PRELIMINARY-SUBJECT TO REVISION

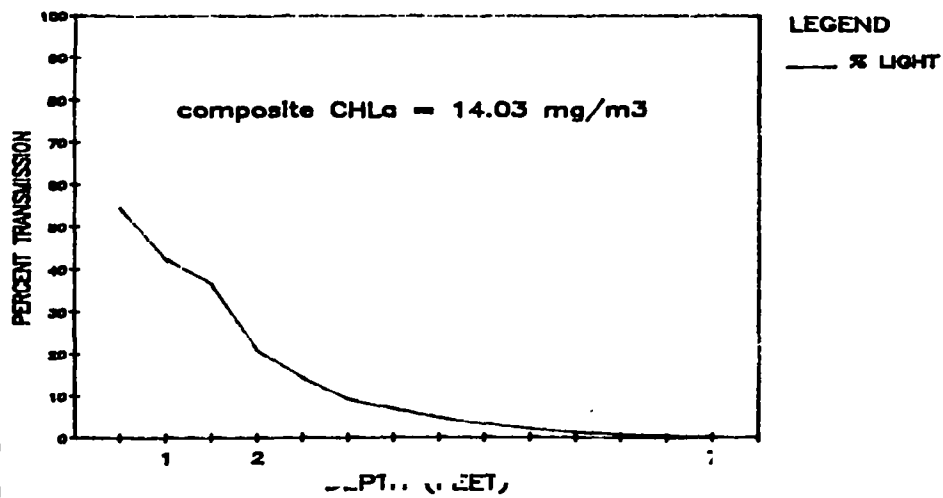
STATION C-11
10/4/87 @ 1405



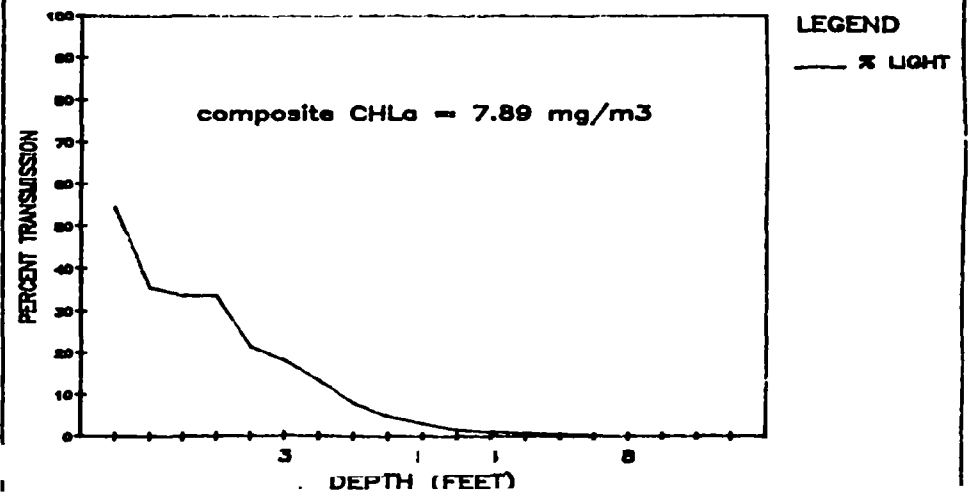
STATION C-9
10/4/87 @ 1220



STATION C-7
10/4/87 @ 1325



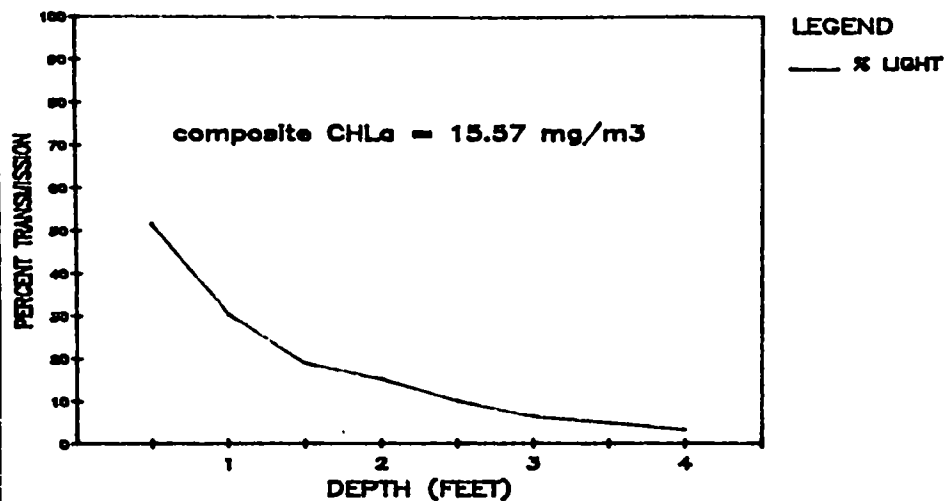
STATION C-6
10/4/87 @ 1250



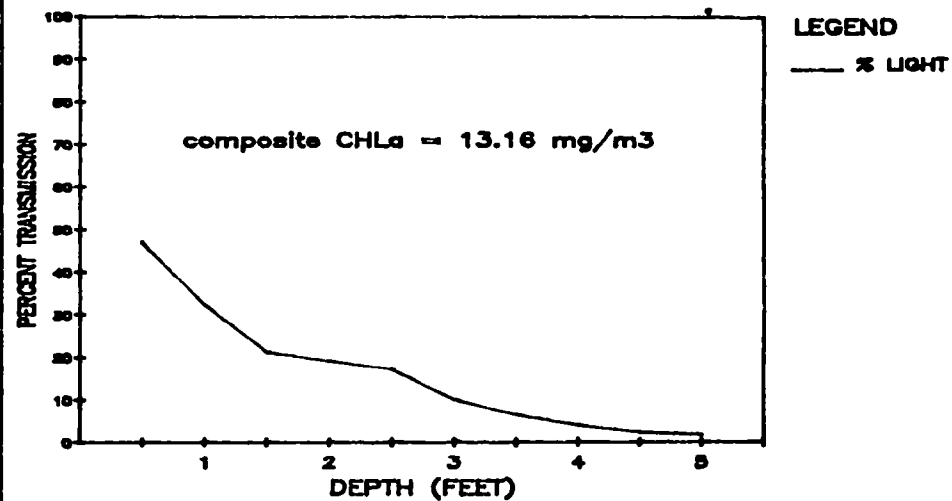
845

PRELIMINARY-SUBJECT TO REVISION

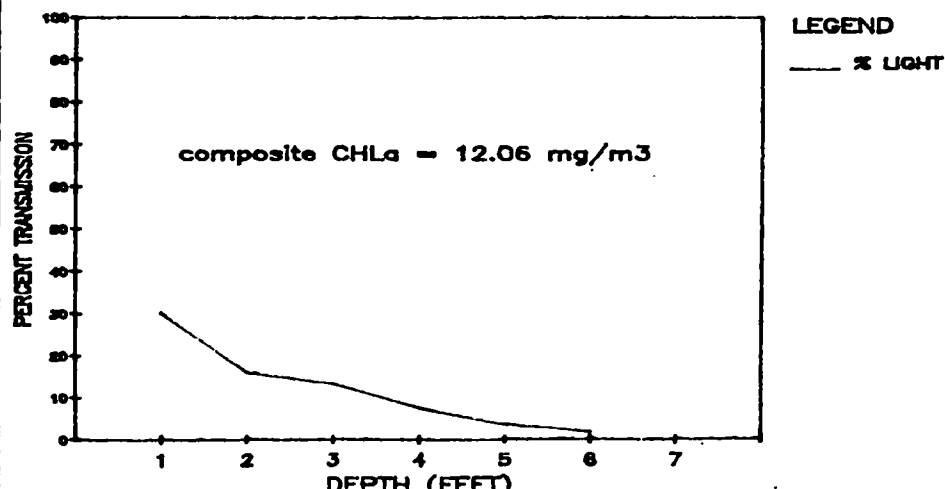
STATION C-7.5
10/4/87 @ 1550



STATION C-8.5
10/4/87 @ 1133



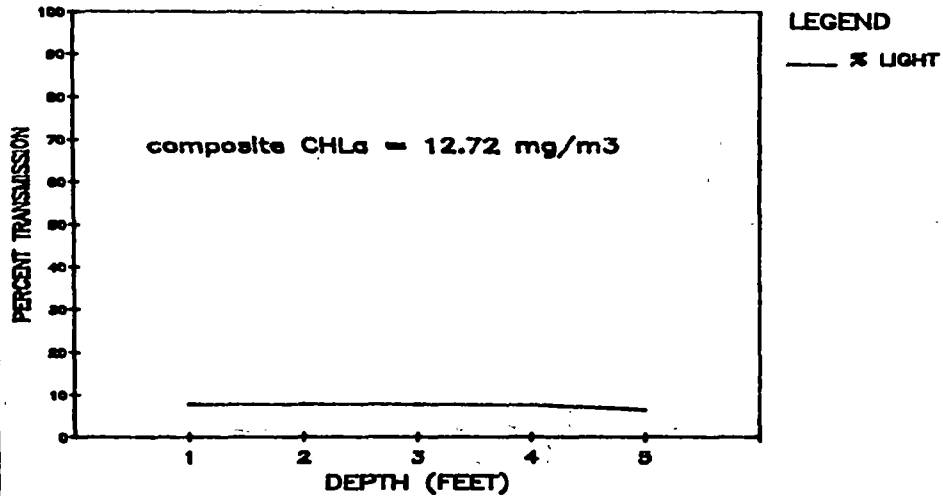
STATION C-11.5
10/4/87 @ 1340



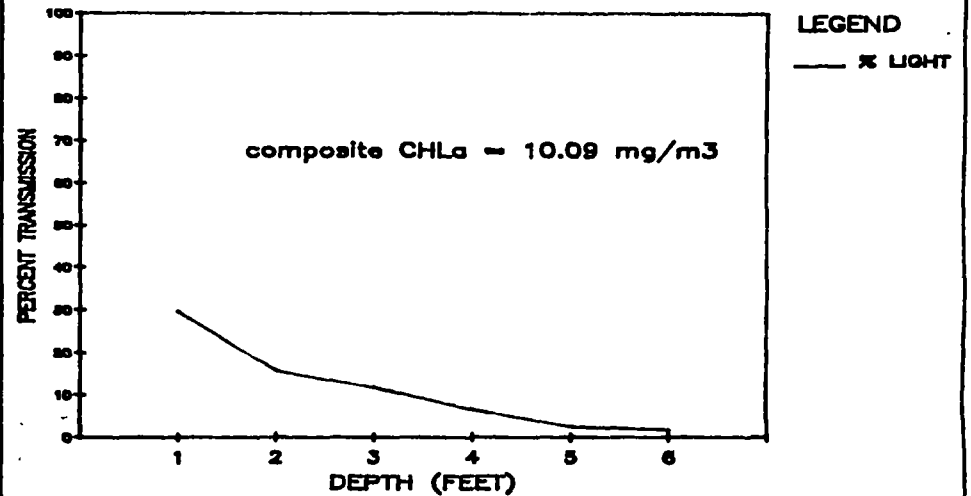
5.49

PRELIMINARY SURFECT

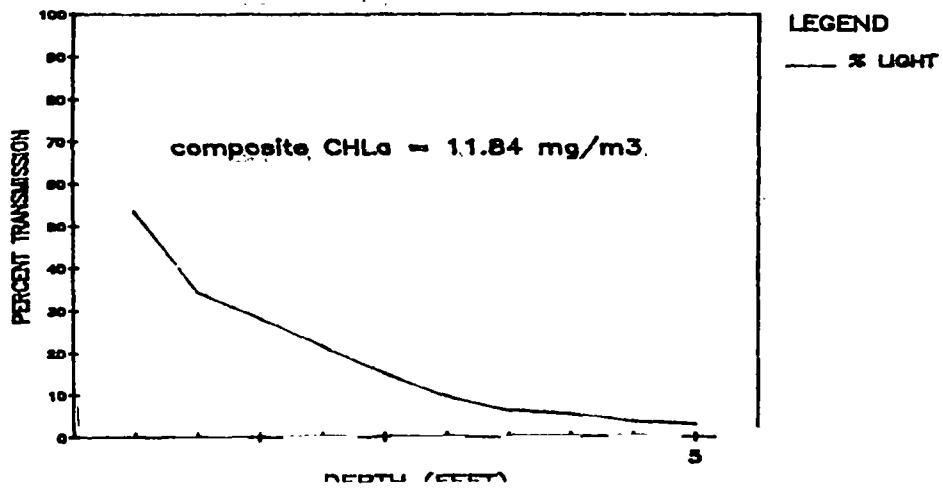
STATION C-14
10/4/87 @ 2310



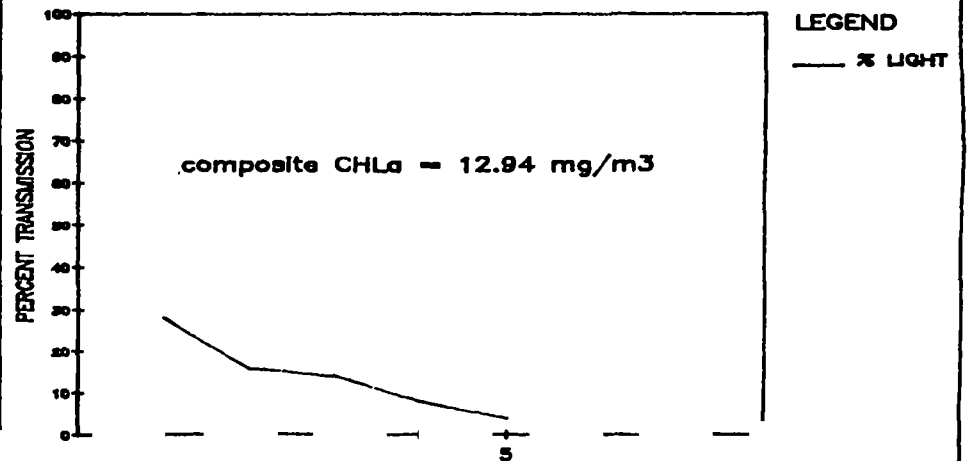
STATION C-13
10/4/87 @ 1250 :



STATION C-10
10/4/87 @ 1150



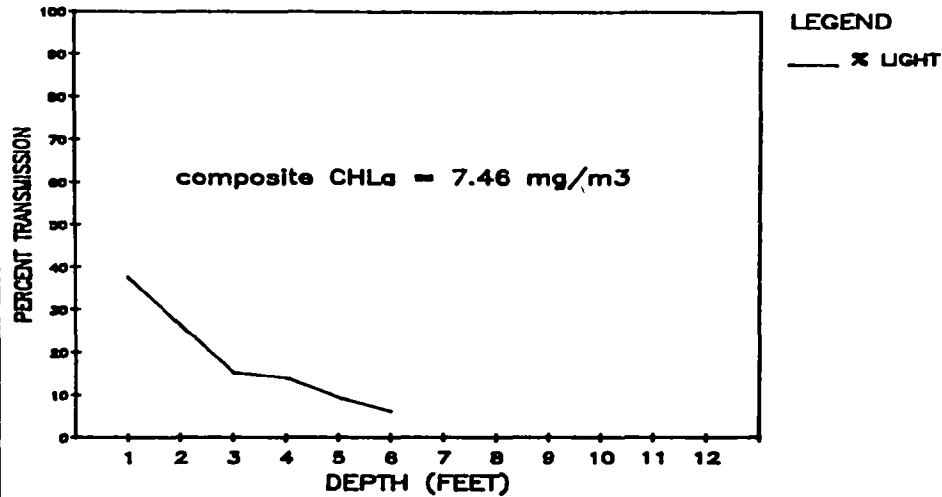
STATION C-12
10/4/87 @ 1315



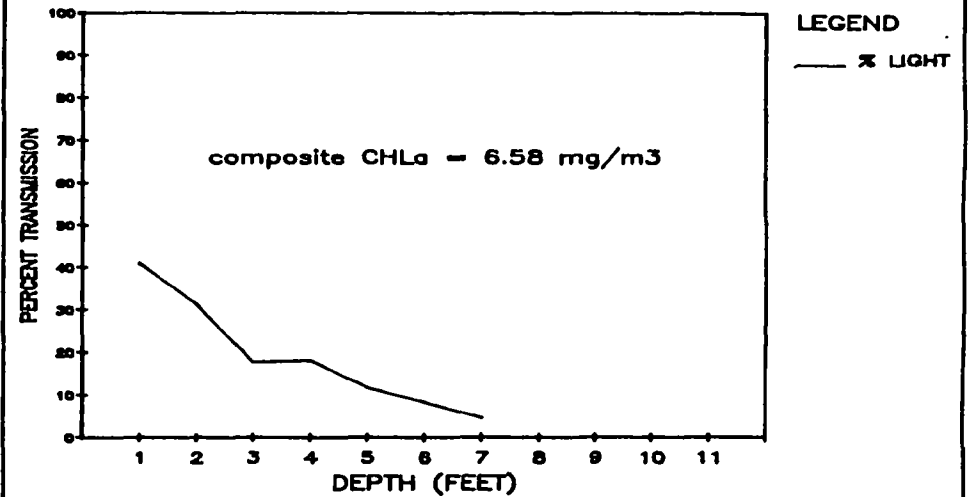
5.5

PRELIMINARY-SUBJECT TO REVISION

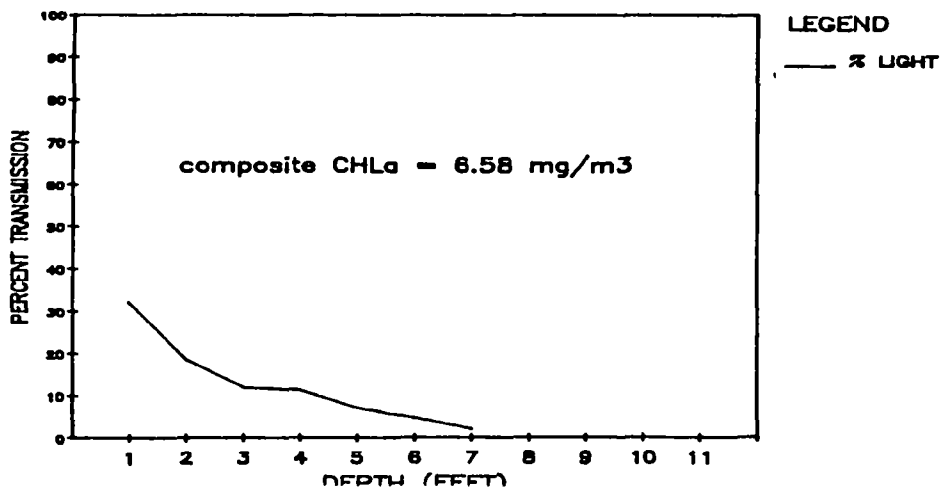
STATION C-17
10/4/87 @ 0830



STATION C-16
10/4/87 @ 1030 :



STATION C-15
10/4/87 @ 1055



STATION C-14.5
10/4/87 @ 1120

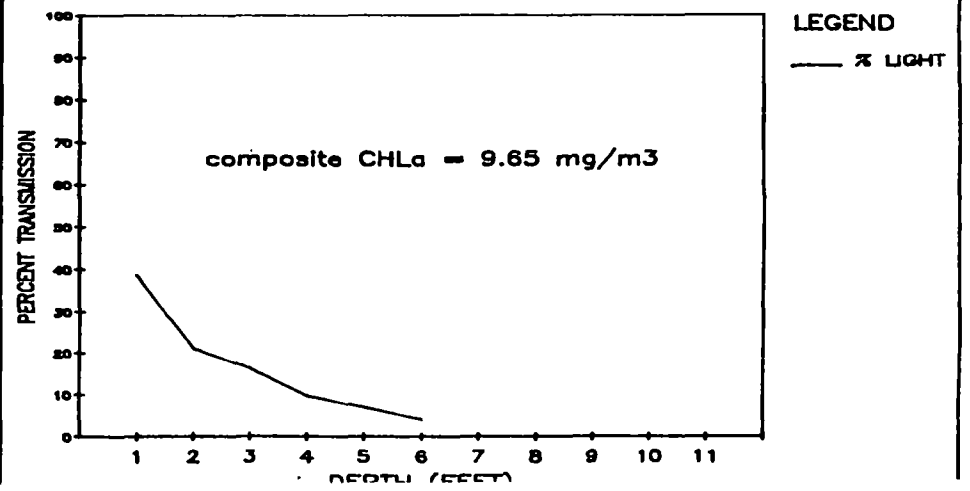


Table
Nitrogenous BOD
Eleven Mile Creek - Perdido Bay
Sept - Oct 1987

**PRELIMINARY-SUBJECT
TO REVISION**

Station	B1	Ultimate Predicted	NBOD Actual	Estimate of Error	Multiple Corr. Coef
L7	0.4720D-01	0.2030D+02	0.2020D+02	0.3252D+01	0.9379D+00
L7	-0.5043D-01	0.2104D+02	0.2020D+02	0.2790D+01	0.9560D+00
L8	0.2805D-01	0.2284D+02	0.2290D+02	0.2736D+01	0.9565D+00
L8	0.7431D-01	0.1638D+02	0.1780D+02	0.1878D+01	0.9562D+00
RM10.5	0.5905D-01	0.1256D+02	0.1270D+02	0.1357D+01	0.9689D+00
RM10.5	0.8603D-01	0.1372D+02	0.1310D+02	0.1730D+01	0.9575D+00
RM9.1	0.6121D-01	0.6952D+01	0.7500D+01	0.7636D+00	0.9663D+00
RM9.1	0.6950D-01	0.9649D+01	0.9800D+01	0.9930D+00	0.9702D+00
RM5.9	0.6018D-01	0.7610D+01	0.8000D+01	0.5493D+00	0.9827D+00
RM5.9	0.5540D-01	0.8558D+01	0.9000D+01	0.5956D+00	0.9847D+00
T1	0.1235D+01	0.6499D+00	0.1000D+01	0.1997D+00	0.2535D+00
RM2.9	0.5436D-01	0.3830D+01	0.4100D+01	0.3798D+00	0.9672D+00
RM2.9	0.6642D-01	0.4191D+01	0.4700D+01	0.4725D+00	0.9579D+00
T2	0.1813D-02	0.3593D+01	0.7000D+00	0.5925D-01	0.9756D+00
RM2.3	0.6345D-01	0.3627D+01	0.4100D+01	0.3099D+00	0.9744D+00
RM2.3	0.6006D-01	0.4135D+01	0.4700D+01	0.4534D+00	0.9612D+00
RM 1.1	0.3864D-01	0.5051D+01	0.5400D+01	0.3863D+00	0.9802D+00
RM1.1-B	0.1304D-01	0.4868D+01	0.3600D+01	0.3878D+00	0.9713D+00
C4-T	0.3566D-01	0.4334D+01	0.4600D+01	0.3839D+00	0.9745D+00
C4-B	0.1826D-02	0.1111D+02	0.2100D+01	0.1840D+00	0.9798D+00
C6-T	0.2890D-02	0.6076D+01	0.1700D+01	0.1523D+00	0.9716D+00
C6-B	0.5358D-02	0.7756D+01	0.3400D+01	0.4960D+00	0.9484D+00
C6-T	0.8765D-02	0.1777D+01	0.1100D+01	0.1480D+00	0.9335D+00
C6-B	0.5479D-02	0.5032D+01	0.2200D+01	0.3370D+00	0.9459D+00
C7.5	0.3073D-02	0.6264D+01	0.1800D+01	0.2356D+00	0.9564D+00
C7.5	0.7624D-02	0.4328D+01	0.2400D+01	0.2427D+00	0.9722D+00
C8	0.1986D-02	0.9471D+01	0.1900D+01	0.2410D+00	0.9584D+00
C8	0.1996D-02	0.1040D+02	0.2000D+01	0.3994D+00	0.9154D+00
C8.5	0.8770D-02	0.3325D+01	0.2000D+01	0.2359D+00	0.9635D+00
C8.5	0.5958D-02	0.3868D+01	0.1800D+01	0.2511D+00	0.9538D+00
C9	0.2973D-02	0.6700D+01	0.1800D+01	0.2501D+00	0.9548D+00
C9	0.1961D-02	0.9039D+01	0.1800D+01	0.2209D+00	0.9606D+00
C10	0.1005D-02	0.1327D+02	0.1700D+01	0.2571D+00	0.9275D+00
C10	0.3980D-02	0.6687D+01	0.2400D+01	0.2337D+00	0.9739D+00
C11	0.6825D-02	0.3733D+01	0.2000D+01	0.2759D+00	0.9502D+00
C11	0.2064D-02	0.9417D+01	0.2000D+01	0.2300D+00	0.9639D+00
C11.5	0.2289D-02	0.1006D+02	0.1800D+01	0.3042D+00	0.9261D+00
C11.5	0.3687D-02	0.5376D+01	0.1800D+01	0.2319D+00	0.9569D+00
C12	0.4760D-02	0.4717D+01	0.2000D+01	0.2152D+00	0.9667D+00
C12	0.1756D-02	0.1157D+02	0.2200D+01	0.2293D+00	0.9686D+00
C13	0.6890D-02	0.3735D+01	0.2000D+01	0.3090D+00	0.9400D+00
C13	0.2055D-02	0.9830D+01	0.2000D+01	0.2454D+00	0.9620D+00
C14	0.1083D-01	0.2679D+01	0.1800D+01	0.2828D+00	0.9437D+00
C14	0.2573D-02	0.6935D+01	0.1700D+01	0.2078D+00	0.9621D+00
C14.5-T	0.1612D-02	0.9023D+01	0.1500D+01	0.2204D+00	0.9454D+00
C14.5-B	0.1678D-02	0.9067D+01	0.1500D+01	0.2060D+00	0.9551D+00
C14.5T	0.4705D-02	0.4552D+01	0.1800D+01	0.2516D+00	0.9527D+00
C14.5B	0.1768D-02	0.1010D+02	0.1900D+01	0.1955D+00	0.9699D+00
L9	0.1353D+00	0.9448D+01	0.9100D+01	0.1173D+01	0.9537D+00
L9	0.5923D-01	0.4910D+01	0.4600D+01	0.1209D+01	0.8774D+00
L10	0.2612D-01	0.4375D+02	0.3940D+02	0.7316D+01	0.9313D+00
L10	0.3960D-01	0.3576D+02	0.3430D+02	0.5568D+01	0.9462D+00

Table
Carbonaceous BOD
Eleven Mile Creek - Perdido Bay
Sept - Oct 1987

PRELIMINARY-SUBJECT
TO REVISION

Station	k1	Ultimate CBOD Predicted	Actual	Estimate of Error	Multiple Corr. Coef
L7	0.3307D-01	0.7079D+02	0.7280D+02	0.4325D+01	0.9851D+00
L7	0.4664D-01	0.7633D+02	0.8180D+02	0.6583D+01	0.9677D+00
L8	0.6607D-01	0.2472D+02	0.2420D+02	0.2071D+01	0.9769D+00
L8	0.6599D-01	0.2866D+02	0.2820D+02	0.1322D+01	0.9931D+00
RM10.5	0.3012D-01	0.5031D+02	0.5030D+02	0.1583D+01	0.9963D+00
RM10.5	0.1593D-01	0.7526D+02	0.6890D+02	0.4242D+01	0.9827D+00
RM9.1	0.1784D-01	0.4509D+02	0.3850D+02	0.1680D+01	0.9941D+00
RM9.1	0.3663D-01	0.3334D+02	0.3520D+02	0.1888D+01	0.9876D+00
RM5.9	0.1179D-01	0.4599D+02	0.3500D+02	0.1456D+01	0.9936D+00
RM5.9	0.2224D-01	0.2889D+02	0.2800D+02	0.9434D+00	0.9955D+00
T1	0.1011D-01	0.4349D+01	0.2900D+01	0.1924D+00	0.9869D+00
RM2.9	0.3310D-01	0.2316D+02	0.2290D+02	0.4001D+00	0.9989D+00
RM2.9	0.4259D-01	0.2018D+02	0.2130D+02	0.7906D+00	0.9945D+00
T2	0.4553D-01	0.1509D+01	0.1800D+01	0.2021D+00	0.9349D+00
RM2.3	0.3644D-01	0.1786D+02	0.1890D+02	0.1018D+01	0.9883D+00
RM2.3	0.3364D-01	0.2024D+02	0.2030D+02	0.7968D+00	0.9943D+00
RM 1.1	0.2063D-01	0.2492D+02	0.2260D+02	0.1149D+01	0.9921D+00
RM1.1-B	0.1472D+00	0.1150D+02	0.1340D+02	0.1130D+01	0.9555D+00
C4-T	0.1929D-01	0.1901D+02	0.1740D+02	0.8199D+00	0.9916D+00
C4-B	0.4209D-01	0.6466D+01	0.6700D+01	0.4819D+00	0.9765D+00
C6-T	0.5671D-01	0.4849D+01	0.5500D+01	0.4606D+00	0.9635D+00
C6-B	0.9004D-01	0.6228D+01	0.6600D+01	0.3228D+00	0.9903D+00
C6-T	0.6414D-01	0.3618D+01	0.4200D+01	0.2987D+00	0.9765D+00
C6-B	0.6775D-01	0.7366D+01	0.7800D+01	0.4101D+00	0.9882D+00
C7.5	0.5675D-01	0.7273D+01	0.7800D+01	0.4245D+00	0.9872D+00
C7.5	0.4953D-01	0.8782D+01	0.9600D+01	0.5170D+00	0.9876D+00
C8	0.6915D-01	0.6536D+01	0.7300D+01	0.4507D+00	0.9816D+00
C8	0.7421D-01	0.6950D+01	0.6800D+01	0.4036D+00	0.9875D+00
C8.5	0.6834D-01	0.6180D+01	0.6800D+01	0.4342D+00	0.9809D+00
C8.5	0.7686D-01	0.4651D+01	0.5400D+01	0.4101D+00	0.9700D+00
C9	0.6860D-01	0.8023D+01	0.8200D+01	0.2473D+00	0.9964D+00
C9	0.6509D-01	0.7824D+01	0.8200D+01	0.2797D+00	0.9952D+00
C10	0.7159D-01	0.6555D+01	0.7100D+01	0.3908D+00	0.9853D+00
C10	0.6048D-01	0.6309D+01	0.7000D+01	0.5614D+00	0.9693D+00
C11	0.5337D-01	0.8339D+01	0.9000D+01	0.5157D+00	0.9851D+00
C11	0.5923D-01	0.7661D+01	0.8000D+01	0.2959D+00	0.9945D+00
C11.5	0.6621D-01	0.7548D+01	0.7800D+01	0.3473D+00	0.9916D+00
C11.5	0.6414D-01	0.7569D+01	0.8000D+01	0.5173D+00	0.9821D+00
C12	0.8045D-01	0.7386D+01	0.8000D+01	0.5941D+00	0.9779D+00
C12	0.6039D-01	0.6028D+01	0.6400D+01	0.4113D+00	0.9818D+00
C13	0.5087D-01	0.7471D+01	0.8000D+01	0.4253D+00	0.9882D+00
C13	0.7360D-01	0.6420D+01	0.7000D+01	0.4346D+00	0.9842D+00
C14	0.6730D-01	0.7222D+01	0.8000D+01	0.4042D+00	0.9887D+00
C14	0.8630D-01	0.5483D+01	0.6200D+01	0.4199D+00	0.9792D+00
C14.5-T	0.6887D-01	0.5386D+01	0.5700D+01	0.2842D+00	0.9902D+00
C14.5-B	0.5589D-01	0.5809D+01	0.5900D+01	0.2709D+00	0.9919D+00
C14.5T	0.7663D-01	0.6320D+01	0.6400D+01	0.2292D+00	0.9951D+00
C14.5B	0.5357D-01	0.6375D+01	0.6900D+01	0.4254D+00	0.9837D+00
L9	0.1497D-01	0.3376D+02	0.2590D+02	0.2627D+01	0.9752D+00
L9	0.4521D-01	0.1390D+02	0.1540D+02	0.1321D+01	0.9643D+00
L10	0.7164D-01	0.3465D+02	0.3760D+02	0.4966D+01	0.9502D+00
L10	0.2153D-01	0.3836D+02	0.3570D+02	0.6424D+01	0.8753D+00

SAMPLE #	STA #	N	DATE	TIME	DESCRIP- TION	DAY	NIT- RATE	TOTAL BOD	CBOD	NBOD
19755	L7		9-30-87	0710	Champion (Peak)	0	0.18			
						1	0.20	4.8	4.7	0.1
						3	0.22	13.0	12.8	0.2
						5	0.28	19.0	18.5	0.5
						10	0.56	19.0	17.3	1.7
						15	3.20	43.0	29.2	13.8
						20	3.70	51.0	34.9	16.1
						30	3.80	59.0	42.5	16.5
						61	4.20	75.0	56.6	18.4
						92	4.40	87.0	67.7	19.3
						123	4.60	93.0	72.8	20.2
19825	L7		9-30-87	1930	Champion (12 HR Lag)	0	0.18			
						1	0.20	10.0	9.9	0.1
						3	0.24	18.0	17.7	0.3
						5	0.38	24.0	23.1	0.9
						10	1.10	41.0	36.8	4.2
						15	2.80	49.0	37.0	12.0
						20	4.00	59.0	41.5	17.5
						30	4.20	70.0	51.6	18.4
						60	4.50	86.0	66.3	19.7
						92	4.60	97.0	76.8	20.2
						122	4.60	102.0	81.8	20.2
19756	L8		9-30-87	0805	Cantonment (Peak)	0	14.00			
						1	14.00	0.4	0.4	0.0
						3	14.00	4.6	4.6	0.0
						5	14.00	8.0	8.0	0.0
						10	15.00	14.0	9.4	4.6
						15	16.00	27.0	17.9	9.1
						20	17.00	30.0	16.3	13.7
						30	17.00	36.0	22.3	13.7
						61	17.00	41.0	27.3	13.7
						92	19.00	45.0	22.2	22.9
						123	19.00	47.0	24.2	22.9
19826	L8		9-30-87		Cantonment (12 HR Lag)	0	9.10			
						1	9.60	2.4	0.1	2.3
						3	9.60	5.0	2.7	2.3
						5	9.80	13.0	9.8	3.2
						11	11.00	24.0	15.3	8.7
						14	12.00	30.0	16.7	13.3
						20	12.00	34.0	20.7	13.3
						31	12.00	39.0	25.7	13.3
						60	12.00	42.0	28.7	13.3
						92	13.00	46.0	28.2	17.8
						122	13.00	46.0	28.2	17.8

PRELIMINARY
TO REVISION

SAMPLE #	STATN #	DATE	TIME	DESCRIP-TION	DAY	NIT-RATE	TOTAL BOD	CBOD	NBOD
19757	RM10.5	9-30-87	1230	11 MI Creek (Peak)	0	0.74			
					1	0.82	0.6	0.6	0.0
					3	0.88	6.4	6.1	0.3
					5	1.10	11.0	9.7	1.3
					10	1.80	19.0	14.5	4.5
					15	2.80	27.0	18.0	9.0
					20	3.00	32.0	22.0	10.0
					30	3.20	41.0	30.1	10.9
					61	3.20	51.0	40.1	10.9
					92	3.60	60.0	47.3	12.7
					123	3.60	63.0	50.3	12.7
19828	RM10.5	10-1-87	0030	11 MI Creek (12 HR Lag)	0	0.74			
					1	0.82	2.5	2.1	0.4
					3	0.88	7.5	6.9	0.6
					5	1.20	15.0	12.9	2.1
					10	2.40	24.0	16.4	7.6
					15	3.40	29.0	16.8	12.2
					20	3.60	35.0	21.9	13.1
					30	3.60	40.0	26.9	13.1
					60	3.60	56.0	42.9	13.1
					92	3.60	67.0	53.9	13.1
					122	3.60	82.0	68.9	13.1
19758	RM9.1	9-30-87	1430	11 MI Creek (Peak)	0	0.65			
					1	0.72	0.0	0.0	0.0
					3	0.77	3.6	3.1	0.5
					5	0.82	5.6	4.8	0.8
					10	1.30	10.0	7.0	3.0
					15	1.80	15.0	9.7	5.3
					20	1.80	17.0	11.7	5.3
					30	1.90	23.0	17.3	5.7
					61	1.90	39.0	33.3	5.7
					92	2.20	44.0	36.9	7.1
					123	2.30	46.0	38.5	7.5
19829	RM9.1	10-1-87	0200	11 MI Creek (12 HR Lag)	0	0.65			
					1	0.72	2.8	2.5	0.3
					3	0.74	4.8	4.4	0.4
					5	0.89	8.5	7.4	1.1
					11	1.90	18.0	12.3	5.7
					14	2.20	22.0	14.9	7.1
					20	2.40	26.0	18.0	8.0
					31	2.40	28.0	20.0	8.0
					60	2.60	36.0	27.1	8.9
					92	2.80	42.0	32.2	9.8
					123	2.80	45.0	35.2	9.8

PRELIMINARY
TO REVISION
SUBJECT

SAMPLE #	STATN #	DATE	TIME	DESCRIP- TION	DAY	NIT- RATE	TOTAL BOD	CBOD	NBOD
19823	RM5.9	9-30-87	1900	11 MI Creek (Peak)	0	0.84			
					1	0.95	1.3	0.8	0.5
					3	1.00	3.1	2.4	0.7
					5	1.20	5.7	4.1	1.6
					11	1.80	10.0	5.6	4.4
					14	1.90	13.0	8.2	4.8
					20	2.00	16.0	10.7	5.3
					31	2.10	20.0	14.2	5.8
					60	2.30	27.0	20.3	6.7
					92	2.60	40.0	32.0	8.0
					122	2.60	43.0	35.0	8.0
19830	RM5.9	10-1-87	0630	11 MI Creek (12 HR Lag)	0	0.92			
					1	1.00	1.3	0.9	0.4
					3	1.10	3.7	2.9	0.8
					5	1.20	6.1	4.8	1.3
					11	1.80	10.0	6.0	4.0
					14	2.10	13.0	7.6	5.4
					20	2.30	17.0	10.7	6.3
					31	2.30	21.0	14.7	6.3
					60	2.60	28.0	20.3	7.7
					92	2.80	33.0	24.4	8.6
					122	2.90	37.0	28.0	9.0
19821	T1			8 MI Creek (Trib)	0	0.22			
					1	0.33	0.0	0.0	0.5
					3	0.33	0.6	0.1	0.5
					5	0.33	0.6	0.1	0.5
					11	0.33	0.8	0.3	0.5
					14	0.33	1.3	0.8	0.5
					20	0.34	1.3	0.8	0.5
					31	0.36	1.7	1.1	0.6
					60	0.39	2.6	1.8	0.8
					92	0.42	3.9	3.0	0.9
					122	0.43	3.9	2.9	1.0
19824	RM2.9	9-30-87	2300	11 MI Creek (Peak)	0	1.10			
					1	1.10	1.2	1.2	0.0
					3	1.20	2.6	2.1	0.5
					5	1.30	4.5	3.6	0.9
					10	1.60	9.1	6.8	2.3
					15	1.60	11.0	8.7	2.3
					20	1.60	13.0	10.7	2.3
					30	1.70	18.0	15.3	2.7
					60	1.80	23.0	19.8	3.2
					92	2.00	26.0	21.9	4.1
					122	2.00	27.0	22.9	4.1

PRELIMINARY - SUBJECT
TO REVISION

SAMPLE #	STATN #	DATE	TIME	DESCRIP- TION	DAY	NIT- RATE	TOTAL BOD	CBOD	NBOD
19831	RM2.9	10-1-87	1100	11 MI Creek (12 HR Lag)	0	0.77			
					1	0.84	1.2	0.9	0.3
					3	0.88	3.4	2.9	0.5
					5	0.97	5.2	4.3	0.9
					11	1.40	11.0	8.1	2.9
					14	1.40	12.0	9.1	2.9
					20	1.40	15.0	12.1	2.9
					31	1.40	17.0	14.1	2.9
					60	1.60	21.0	17.2	3.8
					92	1.70	24.0	19.7	4.3
					122	1.80	26.0	21.3	4.7
19822	T2			Hurst Branc (Trib)	0	0.07			
					1	0.08	0.0	-0.0	0.0
					3	0.09	0.4	0.3	0.1
					5	0.09	0.7	0.6	0.1
					11	0.09	0.7	0.6	0.1
					14	0.09	0.7	0.6	0.1
					20	0.09	1.0	0.9	0.1
					31	0.10	1.2	1.1	0.1
					92	0.21	1.8	1.2	0.6
					122	0.22	2.5	1.8	0.7
19827	RM2.3	10-1-87	0430	11 MI Creek (Peak)	0	0.91			
					1	1.00	1.1	0.7	0.4
					3	1.00	2.7	2.3	0.4
					5	1.10	3.9	3.0	0.9
					11	1.40	8.4	6.2	2.2
					14	1.40	10.0	7.8	2.2
					20	1.50	13.0	10.3	2.7
					31	1.50	14.0	11.3	2.7
					60	1.60	17.0	13.8	3.2
					92	1.70	21.0	17.4	3.6
					122	1.80	23.0	18.9	4.1
19832	RM2.3	10-1-87	1600	11 MI Creek (12 HR Lag)	0	0.88			
					1	0.97	1.2	0.8	0.4
					3	0.98	2.7	2.2	0.5
					5	1.00	4.4	3.9	0.5
					11	1.40	9.6	7.2	2.4
					14	1.50	11.0	8.2	2.8
					20	1.50	13.0	10.2	2.8
					31	1.60	15.0	11.7	3.3
					60	1.60	20.0	16.7	3.3
					92	1.80	24.0	19.8	4.2
					122	1.90	25.0	20.3	4.7
19819	RM1.1T	10-1-87	1530	11 MI Creek	0	0.82			
					1	0.90	0.6	0.2	0.4
					3	0.91	1.2	0.8	0.4
					5	0.94	2.4	1.9	0.5
					10	1.20	6.0	4.3	1.7
					15	1.40	8.2	5.5	2.7
					20	1.50	10.0	6.9	3.1
					30	1.50	17.0	13.9	3.1
					60	1.70	22.0	18.0	4.0
					92	1.90	26.0	21.1	4.9
					122	2.00	28.0	22.6	5.4

PRELIMINARY - SUBJECT
TO REVISION

SAMPLE #	STATN #	DATE	TIME	DESCRIP- TION	DAY	NIT- RATE	TOTAL BOD	CBOD	NBOD
19820	RM1.1B	10-1-87	1540	11 MI Creek	0	0.15			
					1	0.16	1.2	1.2	0.0
					3	0.17	5.7	5.6	0.1
					5	0.17	6.4	6.3	0.1
					10	0.18	8.5	8.4	0.1
					15	0.19	9.9	9.7	0.2
					20	0.36	11.0	10.0	1.0
					30	0.55	12.0	10.2	1.8
					60	0.85	14.0	10.8	3.2
					92	0.91	16.0	12.5	3.5
					122	0.94	17.0	13.4	3.6
19817	C4T	10-1-87	1415	11 MI Creek	0	0.80			
					1	0.87	0.9	0.6	0.3
					3	0.88	2.0	1.6	0.4
					5	0.90	2.6	2.1	0.5
					10	0.98	5.2	4.4	0.8
					15	1.20	7.4	5.6	1.8
					20	1.40	9.3	6.6	2.7
					30	1.50	9.9	6.7	3.2
					60	1.50	16.0	12.8	3.2
					92	1.70	20.0	15.9	4.1
					122	1.80	22.0	17.4	4.6
19818	C4B	10-1-87	1425	11 MI Creek	0	0.06			
					1	0.07	0.6	0.6	0.0
					3	0.07	1.3	1.3	0.0
					5	0.08	2.0	1.9	0.1
					10	0.08	2.7	2.6	0.1
					15	0.08	3.0	2.9	0.1
					20	0.08	3.8	3.7	0.1
					30	0.20	4.5	3.9	0.6
					92	0.49	8.3	6.3	2.0
					122	0.51	8.8	6.7	2.1
19858	C6T	10-3-87	1340	Perdido R. High Slack	0	0.19			
					1	0.23	0.7	0.5	0.2
					3	0.23	1.2	1.0	0.2
					5	0.23	1.9	1.7	0.2
					10	0.23	2.7	2.5	0.2
					15	0.24	3.0	2.8	0.2
					21	0.24	3.5	3.3	0.2
					31	0.26	3.6	3.3	0.3
					58	0.43	5.3	4.2	1.1
					91	0.51	6.4	4.9	1.5
					119	0.56	7.2	5.5	1.7

PRELIMINARY -
TO REVISION

SAMPLE #	STAT #	DATE	TIME	DESCRIP-TION	DAY	NIT-RATE	TOTAL BOD	CBOD	NBOD
19859	C6B	10-3-87	1350	Perdido R. High Slack	0	0.05			
					1	0.05	0.0	0.0	0.0
					3	0.05	1.8	1.8	0.0
					5	0.05	2.4	2.4	0.0
					10	0.05	3.9	3.9	0.0
					15	0.05	4.4	4.4	0.0
					21	0.05	5.0	5.0	0.0
					31	0.37	7.5	6.0	1.5
					58	0.66	8.7	5.9	2.8
					91	0.73	9.3	6.2	3.1
					119	0.79	10.0	6.6	3.4
19891	C6T	10-4-87	2045	Perdido R. Low Slack	0	0.23			
					1	0.27	0.6	0.4	0.2
					3	0.27	0.6	0.4	0.2
					5	0.27	1.2	1.0	0.2
					10	0.27	2.1	1.9	0.2
					15	0.27	2.3	2.1	0.2
					21	0.27	3.0	2.8	0.2
					31	0.27	3.3	3.1	0.2
					58	0.42	4.2	3.3	0.9
					91	0.44	4.2	3.2	1.0
					119	0.48	5.3	4.2	1.1
19889	C6B	10-4-88	2040	Perdido R. Low Slack	0	0.05			
					1	0.05	0.6	0.6	0.0
					3	0.05	1.3	1.3	0.0
					5	0.05	2.7	2.7	0.0
					10	0.05	4.0	4.0	0.0
					15	0.05	4.7	4.7	0.0
					21	0.05	5.4	5.4	0.0
					31	0.25	6.6	5.7	0.9
					58	0.46	9.0	7.1	1.9
					91	0.52	9.6	7.5	2.1
					119	0.54	10.0	7.8	2.2
19896	C7.5	10-3-87	1305	Perdido Bay High Slack	0	0.05			
					1	0.05	0.9	0.9	0.0
					3	0.05	1.0	1.0	0.0
					5	0.05	1.9	1.9	0.0
					10	0.05	3.7	3.7	0.0
					15	0.05	4.3	4.3	0.0
					21	0.05	5.0	5.0	0.0
					31	0.18	6.0	5.4	0.6
					58	0.36	8.0	6.6	1.4
					91	0.41	8.9	7.3	1.6
					119	0.45	9.6	7.8	1.8

PRELIMINARY
TO REVISION

SAMPLE #	STATN #	DATE	TIME	DESCRIP- TION	DAY	NIT- RATE	TOTAL BOD	CBOD	NBOD
19890	C7.5	10-3-87	2135	Perdido Bay Low Slack	0 1 3 5 10 15 21 31 58 91 119	0.13 0.16 0.16 0.16 0.17 0.17 0.17 0.35 0.55 0.63 0.65	 0.8 1.3 2.2 4.0 5.0 5.8 7.8 9.1 11.0 12.0	 0.6 1.2 2.1 3.8 4.8 5.6 6.8 7.2 8.7 9.6	 0.1 0.1 0.1 0.2 0.2 0.2 1.0 1.9 2.3 2.4
19893	C8	10-3-87	1230	Perdido Bay High Slack	0 1 3 5 10 15 21 31 58 91 119	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.14 0.35 0.42 0.46	 0.8 1.2 2.2 3.5 4.4 4.9 5.5 7.3 8.3 9.2	 0.8 1.2 2.2 3.5 4.4 4.9 5.1 5.9 6.6 7.3	 0.0 0.0 0.0 0.0 0.0 0.0 0.4 1.4 1.7 1.9
19886	C8	10-3-87	2245	Perdido Bay Low Slack	0 1 3 5 10 15 21 31 58 91 119	0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.45 0.48 0.49	 0.9 1.3 2.5 2.9 4.7 5.5 6.9 8.6 8.8 8.8	 0.9 1.3 2.5 2.9 4.7 5.5 6.9 6.8 6.8 6.8	 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.8 2.0 2.0
19895	C8.5	10-3-87	1150	Perdido Bay High Slack	0 1 3 5 10 15 21 31 58 91 119	0.05 0.07 0.08 0.08 0.08 0.07 0.09 0.25 0.42 0.47 0.49	 0.7 1.3 2.3 3.6 3.9 4.9 5.6 7.4 8.2 8.8	 0.6 1.2 2.2 3.5 3.8 4.7 4.7 5.7 6.3 6.8	 0.1 0.1 0.1 0.1 0.1 0.2 0.9 1.7 1.9 2.0

PRELIMINARY - SUBJECT
TO REVISION

SAMPLE #	STATN #	DATE	TIME	DESCRIP- TION	DAY	NIT- RATE	TOTAL BOD	CBOD	NBOD
19888	C8.5	10-3-87	2300	Perdido Bay Low Slack	0	0.08			
					1	0.09	0.6	0.6	0.0
					3	0.08	0.9	0.9	0.0
					5	0.08	1.7	1.7	0.0
					10	0.09	2.7	2.7	0.0
					15	0.10	3.4	3.3	0.1
					21	0.10	3.8	3.7	0.1
					31	0.22	4.1	3.5	0.6
					58	0.42	5.9	4.3	1.6
					91	0.46	6.3	4.6	1.7
					119	0.48	7.2	5.4	1.8
19857	C9	10-3-87	1300	Perdido Bay High Slack	0	0.05			
					1	0.05	1.0	1.0	0.0
					3	0.05	1.4	1.4	0.0
					5	0.05	2.4	2.4	0.0
					10	0.05	4.1	4.1	0.0
					15	0.05	5.0	5.0	0.0
					21	0.05	6.2	6.2	0.0
					31	0.18	7.6	7.0	0.6
					58	0.36	8.9	7.5	1.4
					91	0.44	10.0	8.2	1.8
					119	0.45	10.0	8.2	1.8
19892	C9	10-3-87	2120	Perdido Bay Low Slack	0	0.05			
					1	0.05	1.0	1.0	0.0
					3	0.05	1.4	1.4	0.0
					5	0.05	2.2	2.2	0.0
					10	0.05	4.0	4.0	0.0
					15	0.05	4.7	4.7	0.0
					21	0.05	5.8	5.8	0.0
					31	0.13	7.1	6.7	0.4
					58	0.34	8.6	7.3	1.3
					91	0.39	9.4	7.8	1.6
					119	0.44	10.0	8.2	1.8
19894	C10	10-3-87	0930	Perdido Bay High Slack	0	0.05			
					1	0.05	1.1	1.1	0.0
					3	0.05	1.4	1.4	0.0
					5	0.05	2.3	2.3	0.0
					10	0.05	3.5	3.5	0.0
					15	0.05	4.0	4.0	0.0
					21	0.05	4.8	4.8	0.0
					31	0.05	6.0	6.0	0.0
					58	0.13	6.5	6.1	0.4
					91	0.35	7.8	6.4	1.4
					119	0.43	8.8	7.1	1.7

PRELIMINARY - SUBJECT
TO REVISION

SAMPLE #	STATN #	DATE	TIME	DESCRIP- TION	DAY	NIT- RATE	TOTAL BOD	CBOD	NBOD
19887	C10	10-3-87	2320	Perdido Bay Low Slack	0	0.05			
					1	0.05	0.7	0.7	0.0
					3	0.05	1.1	1.1	0.0
					5	0.05	2.0	2.0	0.0
					10	0.05	3.4	3.4	0.0
					15	0.05	4.3	4.3	0.0
					21	0.11	4.3	4.0	0.3
					31	0.25	5.3	4.4	0.9
					58	0.43	7.6	5.9	1.7
					91	0.50	8.4	6.3	2.1
					119	0.58	9.4	7.0	2.4
19854	C11	10-3-87	1150	Perdido Bay High Slack	0	0.05			
					1	0.05	1.0	1.0	0.0
					3	0.05	1.6	1.6	0.0
					5	0.05	2.0	2.0	0.0
					10	0.05	4.0	4.0	0.0
					15	0.05	4.9	4.9	0.0
					21	0.07	5.5	5.4	0.1
					31	0.28	7.1	6.0	1.1
					58	0.38	9.0	7.5	1.5
					91	0.43	10.0	8.3	1.7
					119	0.48	11.0	9.0	2.0
19885	C11	10-3-87	2240	Perdido Bay Low Slack	0	0.05			
					1	0.05	0.9	0.9	0.0
					3	0.05	1.2	1.2	0.0
					5	0.05	1.8	1.8	0.0
					10	0.05	3.8	3.8	0.0
					15	0.05	4.5	4.5	0.0
					21	0.05	5.4	5.4	0.0
					31	0.17	6.8	6.3	0.5
					58	0.35	8.4	7.0	1.4
					91	0.43	9.4	7.7	1.7
					119	0.49	10.0	8.0	2.0
19855	C11.5	10-3-87	1215	Perdido Bay High Slack	0	0.05			
					1	0.05	0.8	0.8	0.0
					3	0.05	1.6	1.6	0.0
					5	0.05	2.3	2.3	0.0
					10	0.05	3.9	3.9	0.0
					15	0.05	5.0	5.0	0.0
					21	0.05	5.2	5.2	0.0
					31	0.30	7.2	6.1	1.1
					58	0.37	9.0	7.5	1.5
					91	0.45	9.6	7.8	1.8

PRELIMINARY - SUBJECT
TO REVISION

SAMPLE #	STATN #	DATE	TIME	DESCRIP- TION	DAY	NIT- RATE	TOTAL BOD	CBOD	NBOD
19882	C11.5	10-3-87	2300	Perdido Bay Low Slack	0 1 3 5 10 15 21 31 58 91 119	0.05 0.05 0.05 0.05 0.05 0.05 0.22 0.33 0.41 0.44	 0.9 1.3 2.2 4.4 4.9 5.0 6.7 8.3 9.5 9.8	 0.9 1.3 2.2 4.4 4.9 5.0 5.9 7.0 7.9 8.0	 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.3 1.6 1.8
19856	C12	10-3-87	1240	Perdido Bay High Slack	0 1 3 5 10 15 21 31 58 91 119	0.05 0.05 0.05 0.05 0.05 0.09 0.25 0.36 0.41 0.48	 0.7 1.0 2.0 5.0 5.3 6.4 6.7 8.5 9.0 10.0	 0.7 1.0 2.0 5.0 5.3 6.2 5.8 7.1 7.4 8.0	 0.0 0.0 0.0 0.0 0.0 0.2 0.9 1.4 1.6 2.0
19879	C12	10-3-87	2325	Perdido Bay Low Slack	0 1 3 5 10 15 21 31 58 91 119	0.05 0.05 0.05 0.05 0.05 0.05 0.17 0.36 0.44 0.53	 0.7 0.9 2.2 3.0 3.8 4.0 5.0 7.0 8.0 8.6	 0.7 0.9 2.2 3.0 3.8 4.0 4.5 5.6 6.2 6.4	 0.0 0.0 0.0 0.0 0.0 0.0 0.5 1.4 1.8 2.2
19853	C13	10-3-87	1130	Perdido Bay High Slack	0 1 3 5 10 15 21 31 58 91 119	0.05 0.05 0.05 0.05 0.05 0.05 0.28 0.39 0.43 0.48	 0.6 0.9 2.1 3.2 4.4 4.9 6.3 8.3 9.1 10.0	 0.6 0.9 2.1 3.2 4.4 4.9 5.2 6.7 7.4 8.0	 0.0 0.0 0.0 0.0 0.0 0.0 1.1 1.6 1.7 2.0

PRELIMINARY - SUBJECT
TO REVISION

SAMPLE #	STATN #	DATE	TIME	DESCRIP- TION	DAY	NIT- RATE	TOTAL BOD	CBOD	NBOD
19884	C13	10-3-87	2215	Perdido Bay Low Slack	0	0.05			
					1	0.05	0.7	0.7	0.0
					3	0.05	1.0	1.0	0.0
					5	0.05	1.8	1.8	0.0
					10	0.05	3.2	3.2	0.0
					15	0.05	4.2	4.2	0.0
					21	0.05	5.3	5.3	0.0
					31	0.15	6.8	6.3	0.5
					58	0.35	7.0	5.6	1.4
					91	0.46	8.0	6.1	1.9
					119	0.48	9.0	7.0	2.0
19852	C14	10-3-87	1100	Perdido Bay High Slack	0	0.05			
					1	0.05	0.7	0.7	0.0
					3	0.05	1.1	1.1	0.0
					5	0.05	2.1	2.1	0.0
					10	0.05	4.0	4.0	0.0
					15	0.05	4.6	4.6	0.0
					21	0.09	5.6	5.4	0.2
					31	0.28	7.0	5.9	1.1
					58	0.39	8.5	6.9	1.6
					91	0.43	8.5	6.8	1.7
					119	0.45	9.8	8.0	1.8
19881	C14	10-3-87	2145	Perdido Bay Low Slack	0	0.05			
					1	0.05	0.6	0.6	0.0
					3	0.05	0.9	0.9	0.0
					5	0.05	1.8	1.8	0.0
					10	0.05	3.4	3.4	0.0
					15	0.05	4.1	4.1	0.0
					21	0.05	4.9	4.9	0.0
					31	0.18	5.1	4.5	0.6
					58	0.32	6.2	5.0	1.2
					91	0.39	7.0	5.4	1.6
					119	0.42	7.9	6.2	1.7
19850	C14.5T	10-3-87	1015	Perdido Bay High Slack	0	0.05			
					1	0.05	0.6	0.6	0.0
					3	0.05	0.6	0.6	0.0
					5	0.05	1.5	1.5	0.0
					10	0.05	3.0	3.0	0.0
					15	0.05	3.6	3.6	0.0
					21	0.05	3.9	3.9	0.0
					31	0.10	5.0	4.8	0.2
					58	0.31	6.1	4.9	1.2
					91	0.34	6.7	5.4	1.3
					119	0.37	7.2	5.7	1.5

PRELIMINARY - SUBJECT
TO REVISION

SAMPLE #	STA #	N	DATE	TIME	DESCRIP- TION	DAY	NIT- RATE	TOTAL BOD	CBOD	NBOD
19851	C14.5B		10-3-87	1020	Perdido Bay High Slack	0	0.05			
						1	0.05	0.6	0.6	0.0
						3	0.05	0.8	0.8	0.0
						5	0.05	1.6	1.6	0.0
						10	0.05	3.0	3.0	0.0
						15	0.05	3.0	3.0	0.0
						21	0.05	4.0	4.0	0.0
						31	0.11	4.8	4.5	0.3
						58	0.29	6.6	5.5	1.1
						91	0.37	7.4	5.9	1.5
						119	0.37	7.4	5.9	1.5
19880	C14.5T		10-3-87	2115	Perdido Bay Low Slack	0	0.05			
						1	0.05	0.8	0.8	0.0
						3	0.05	1.0	1.0	0.0
						5	0.05	2.0	2.0	0.0
						10	0.05	3.7	3.7	0.0
						15	0.05	4.2	4.2	0.0
						21	0.05	5.0	5.0	0.0
						31	0.22	6.5	5.7	0.8
						58	0.35	7.4	6.0	1.4
						91	0.42	8.2	6.5	1.7
						119	0.44	8.2	6.4	1.8
19883	C14.5B		10-3-87	2120	Perdido Bay Low Slack	0	0.05			
						1	0.05	0.5	0.5	0.0
						3	0.05	0.8	0.8	0.0
						5	0.05	1.8	1.8	0.0
						10	0.05	3.2	3.2	0.0
						15	0.05	3.9	3.9	0.0
						21	0.05	3.9	3.9	0.0
						31	0.17	5.1	4.6	0.5
						58	0.31	7.0	5.8	1.2
						91	0.40	7.9	6.3	1.6
						119	0.47	8.8	6.9	1.9
19753	L9		9-29 TO 9-30-87	1200	Avondale WWTP	0	22.00			
						1	24.00	0.0	0.0	0.0
						3	24.00	1.6	0.0	1.6
						5	24.00	3.4	0.0	3.4
						10	24.00	10.0	0.9	9.1
						15	24.00	13.0	3.9	9.1
						21	24.00	18.0	8.9	9.1
						31	24.00	22.0	12.9	9.1
						58	24.00	33.0	23.9	9.1
						91	24.00	35.0	25.9	9.1
						119	24.00	35.0	25.9	9.1

PRELIMINARY - SUBJECT
TO REVISION

SAMPLE #	STATN #	DATE	TIME	DESCRIPTION	DAY	NIT-RATE	TOTAL BOD	CBOD	NBOD
19835	L9	9-30 TO 9-31-87	1200	Avondale WTP	0	26.00			
					1	26.00	1.6	1.6	0.0
					3	26.00	3.2	3.2	0.0
					5	26.00	3.4	3.4	0.0
					10	26.00	6.5	6.5	0.0
					15	27.00	10.0	5.4	4.6
					21	27.00	12.0	7.4	4.6
					31	27.00	16.0	11.4	4.6
					58	27.00	17.0	12.4	4.6
					91	27.00	17.0	12.4	4.6
					119	27.00	20.0	15.4	4.6
19754	L10	9-29 TO 9-30-87	1300	Saufley Field NAS	0				0.0
					1	0.70	0.0	0.0	0.0
					3	0.60	2.2	2.2	0.0
					5	0.58	5.9	5.9	0.0
					15	0.66	32.0	32.0	0.0
					21	5.20	47.0	26.8	20.2
					31	8.50	62.0	26.7	35.3
					58	8.60	66.0	30.3	35.7
					91	9.40	75.0	35.6	39.4
					119	9.40	77.0	37.6	39.4
19836	L10	9-30 TO 9-31-87	1200	Saufley Field NAS	0	1.30			
					1	1.30	1.4	1.4	0.0
					5	1.30	15.0	15.0	0.0
					10	1.90	18.0	15.3	2.7
					15	5.60	30.0	10.3	19.7
					31	8.30	43.0	11.0	32.0
					58	8.40	59.0	26.6	32.4
					91	8.60	68.0	34.6	33.4
					119	8.80	70.0	35.7	34.3

PRELIMINARY - SUBJECT TO REVISION

Figure
Biochemical Oxygen Demand
Station L7 (PEAK)
September - October 1987

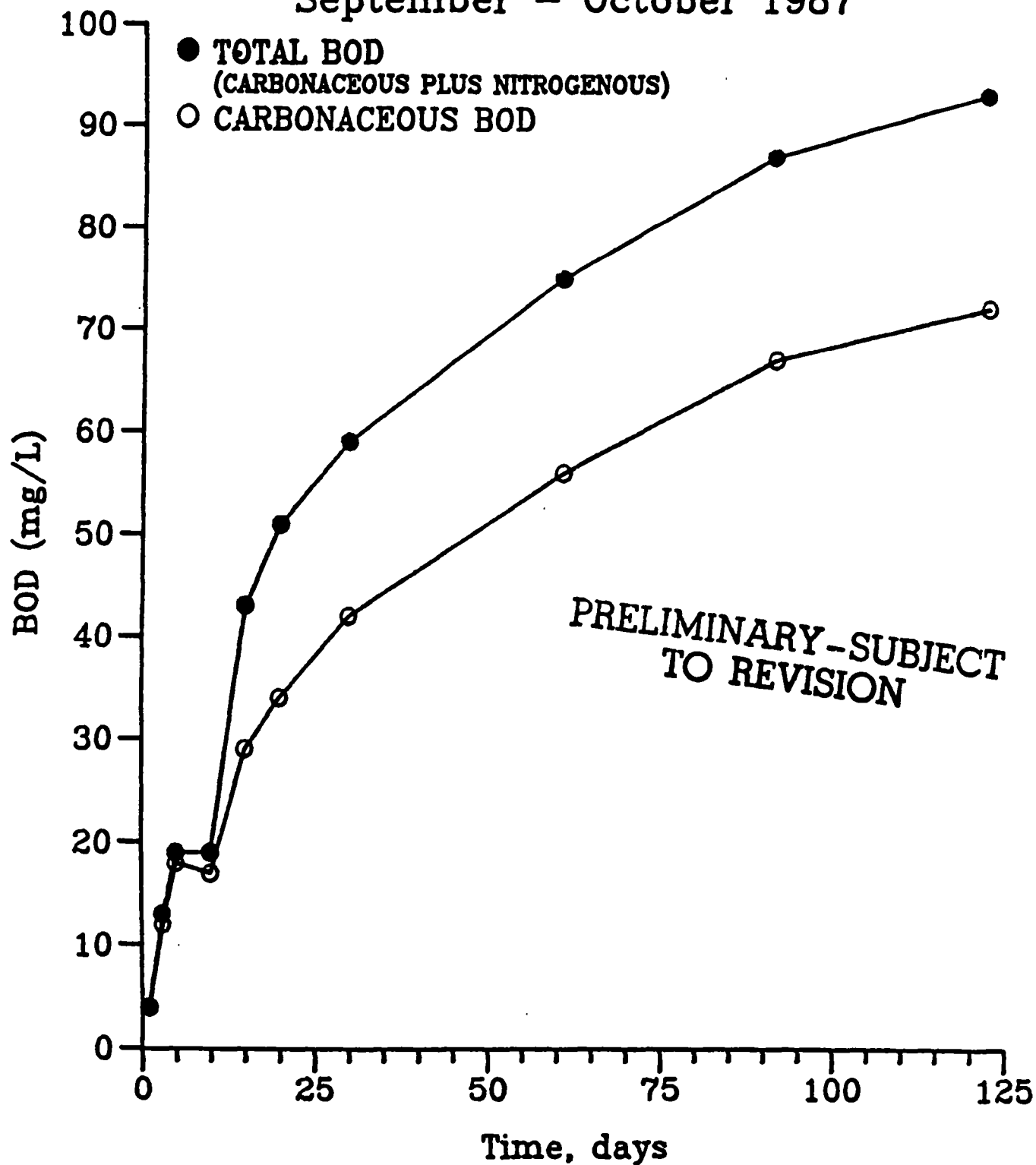


Figure
Biochemical Oxygen Demand
Station L7 12 HR LAG
September - October 1987

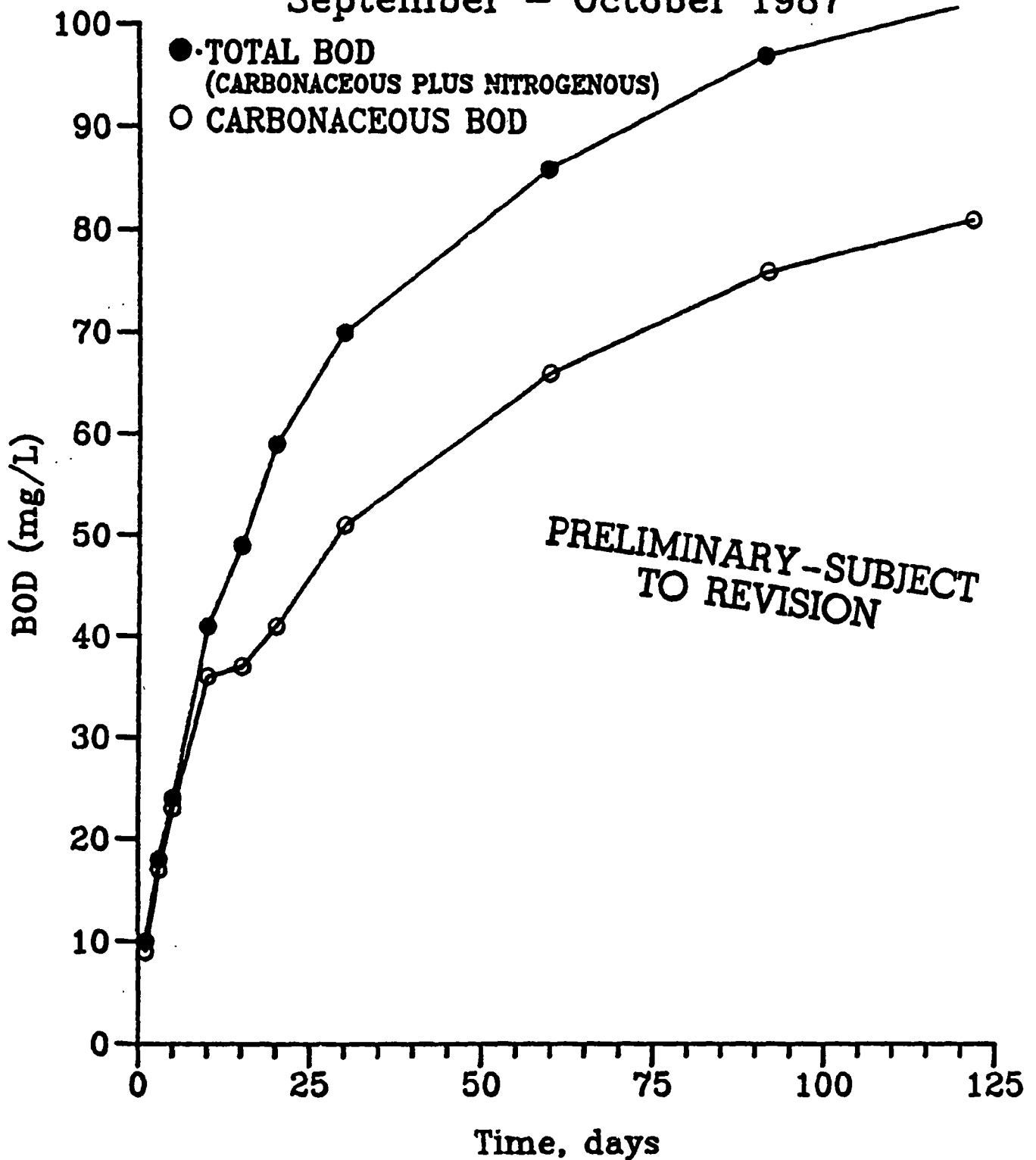


Figure
Biochemical Oxygen Demand
Station L8 (PEAK)
September - October 1987

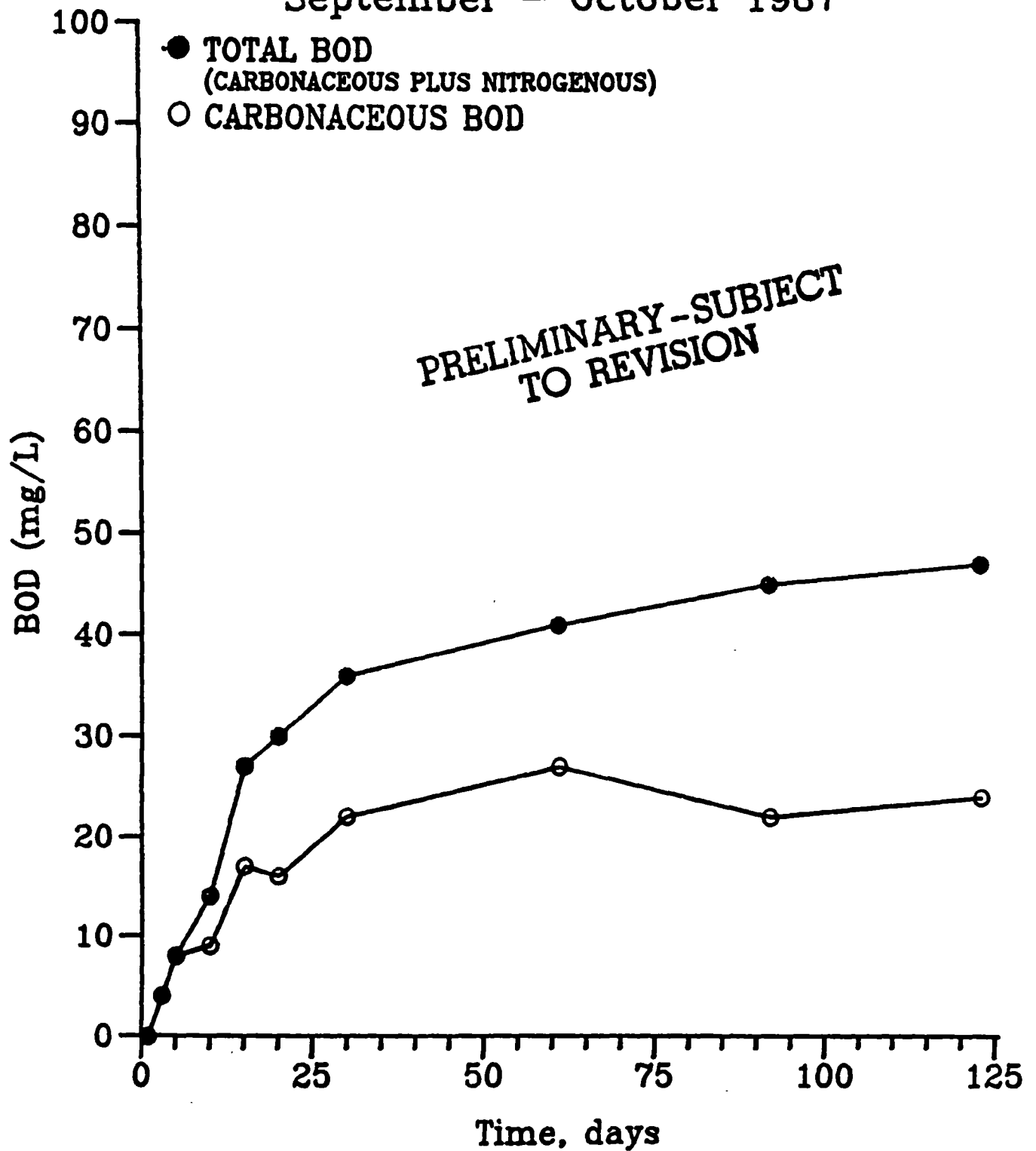


Figure
Biochemical Oxygen Demand
Station L8 (12 HR)
September - October 1987

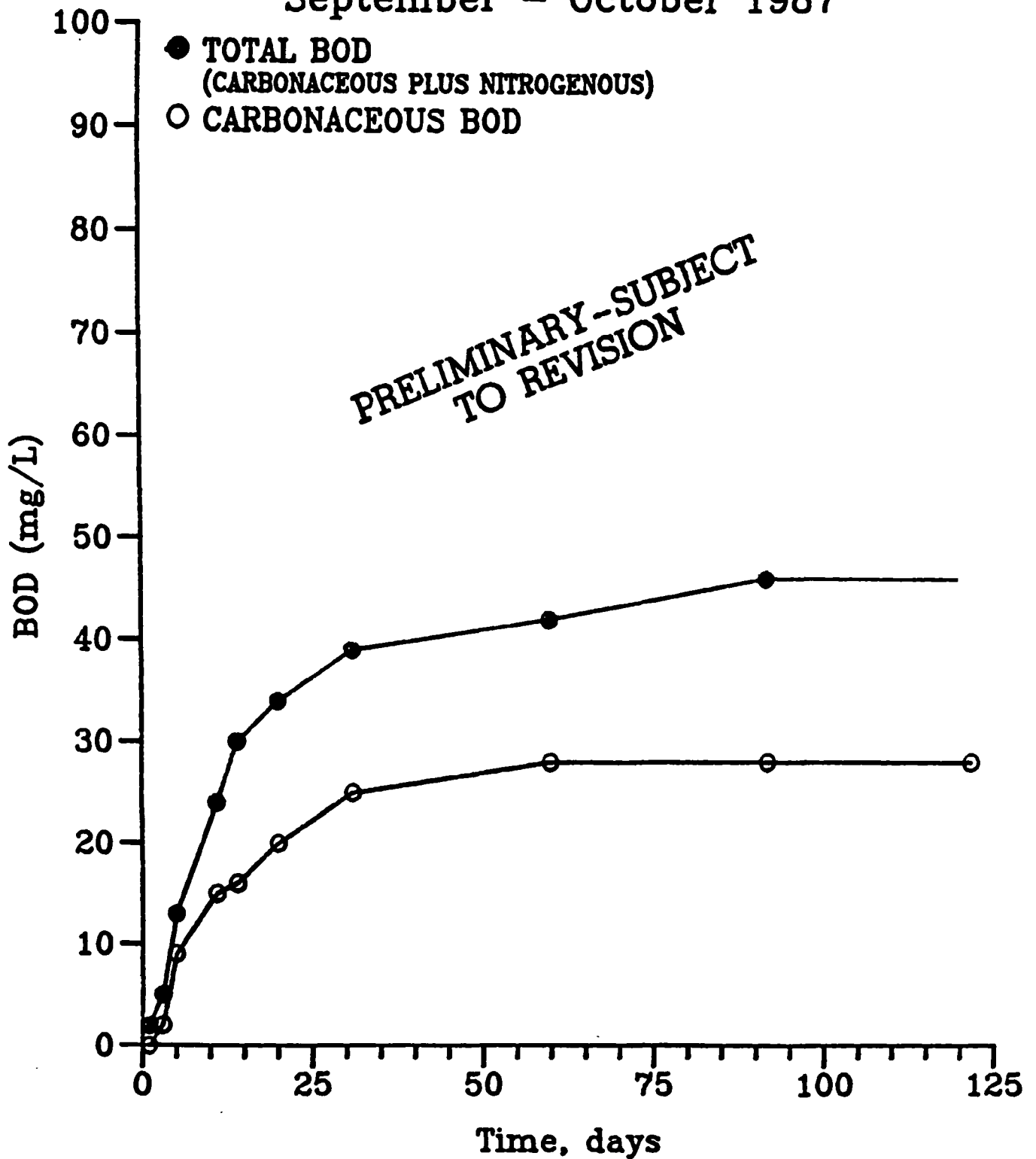


Figure
Biochemical Oxygen Demand
Station RM10.5 (PEAK)
September - October 1987

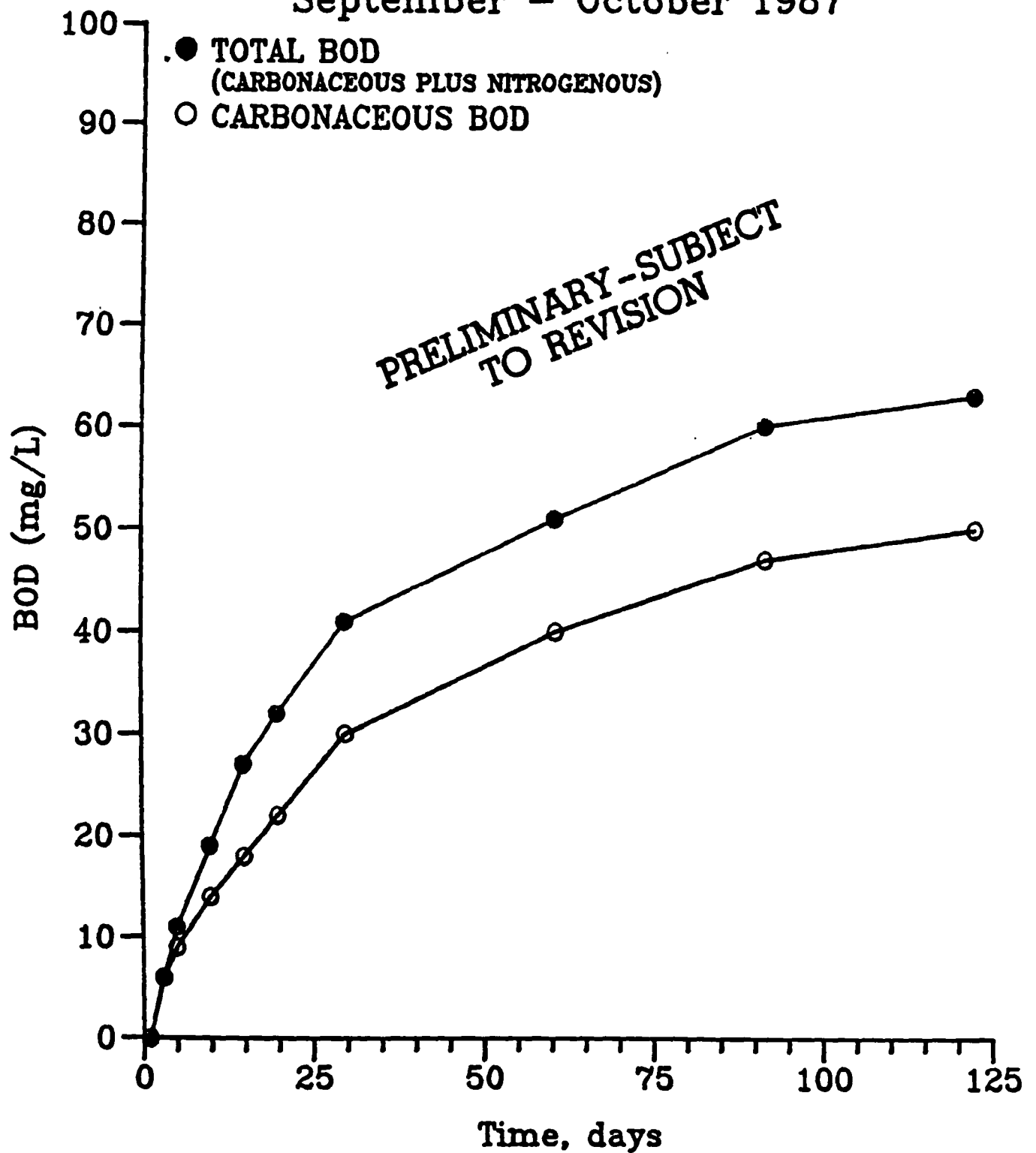


Figure
Biochemical Oxygen Demand
Station RM10.5 (12 HR)
September - October 1987

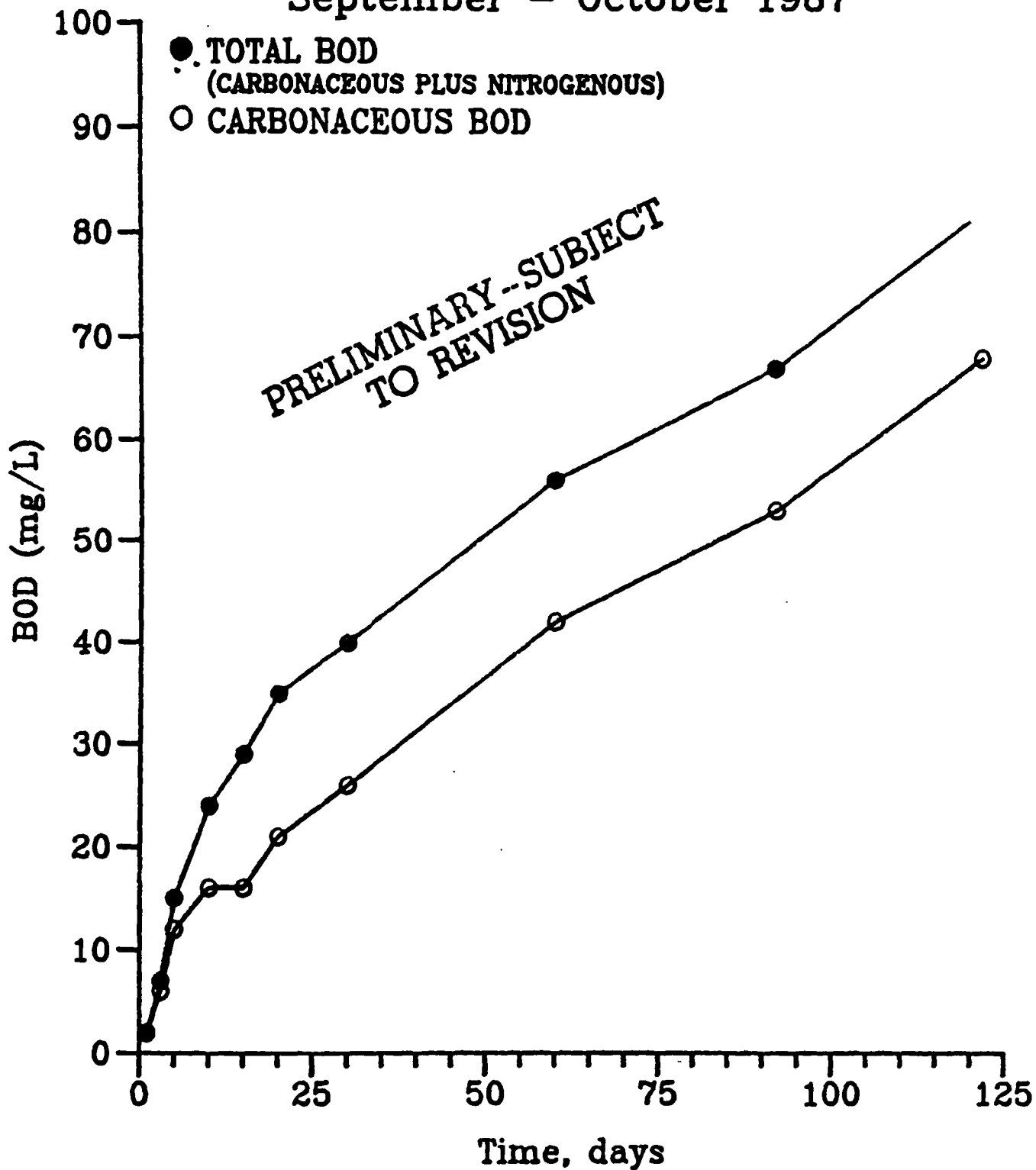


Figure
Biochemical Oxygen Demand
Station RM9.1 (PEAK)
September - October 1987

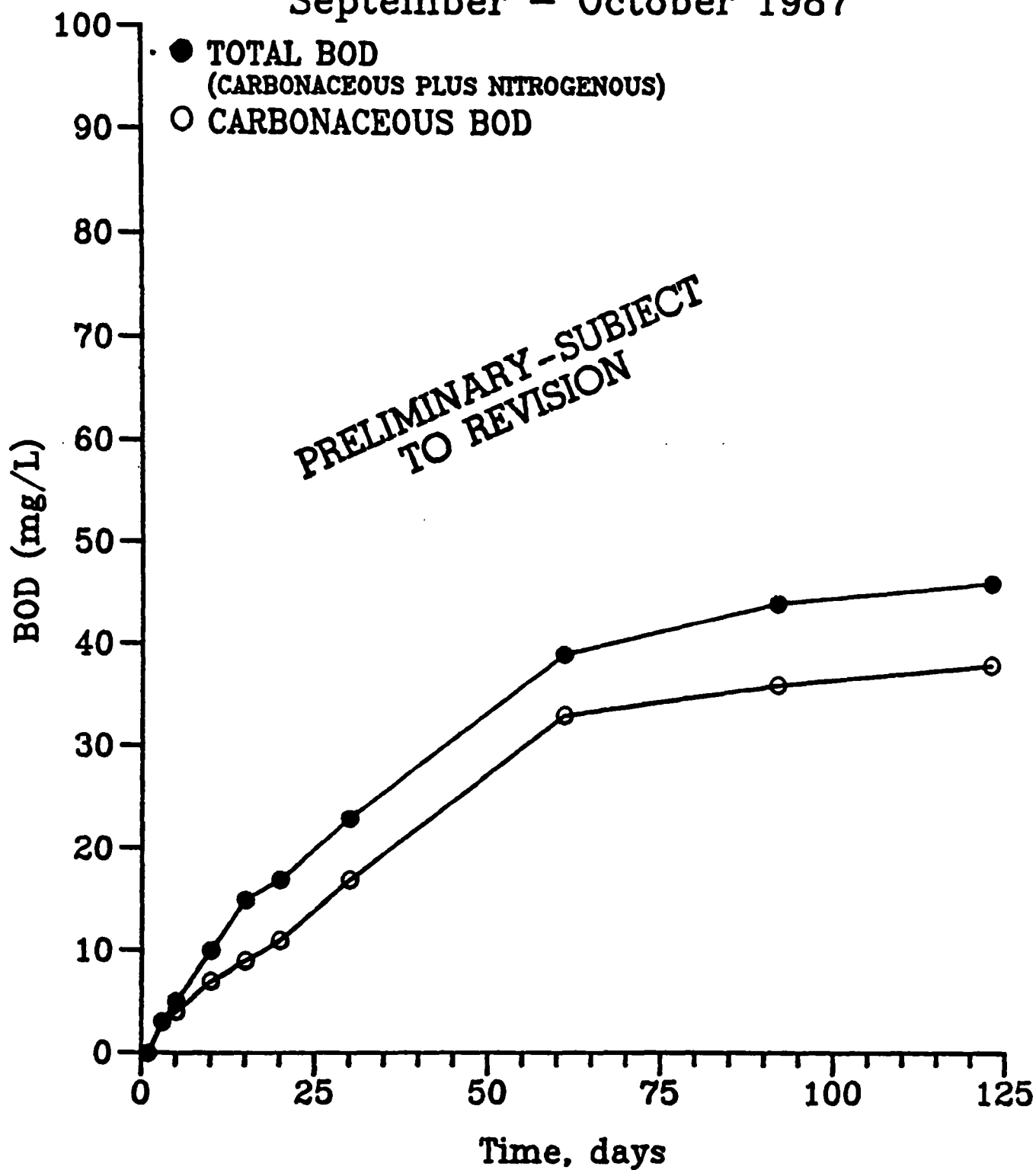


Figure
Biochemical Oxygen Demand
Station RM9.1 (12 HR)
September - October 1987

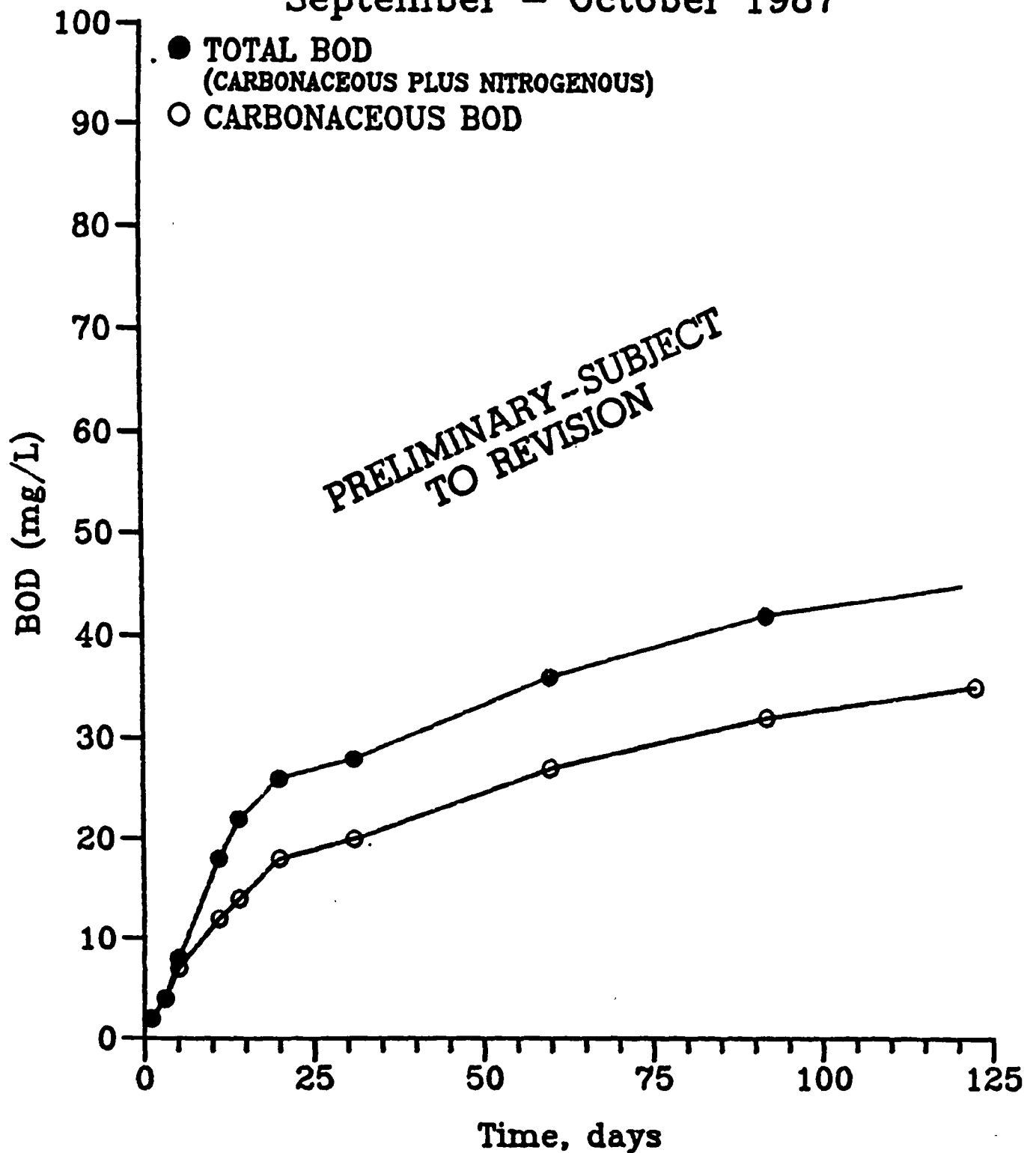


Figure
Biochemical Oxygen Demand
Station RM5.9 (PEAK)
September - October 1987

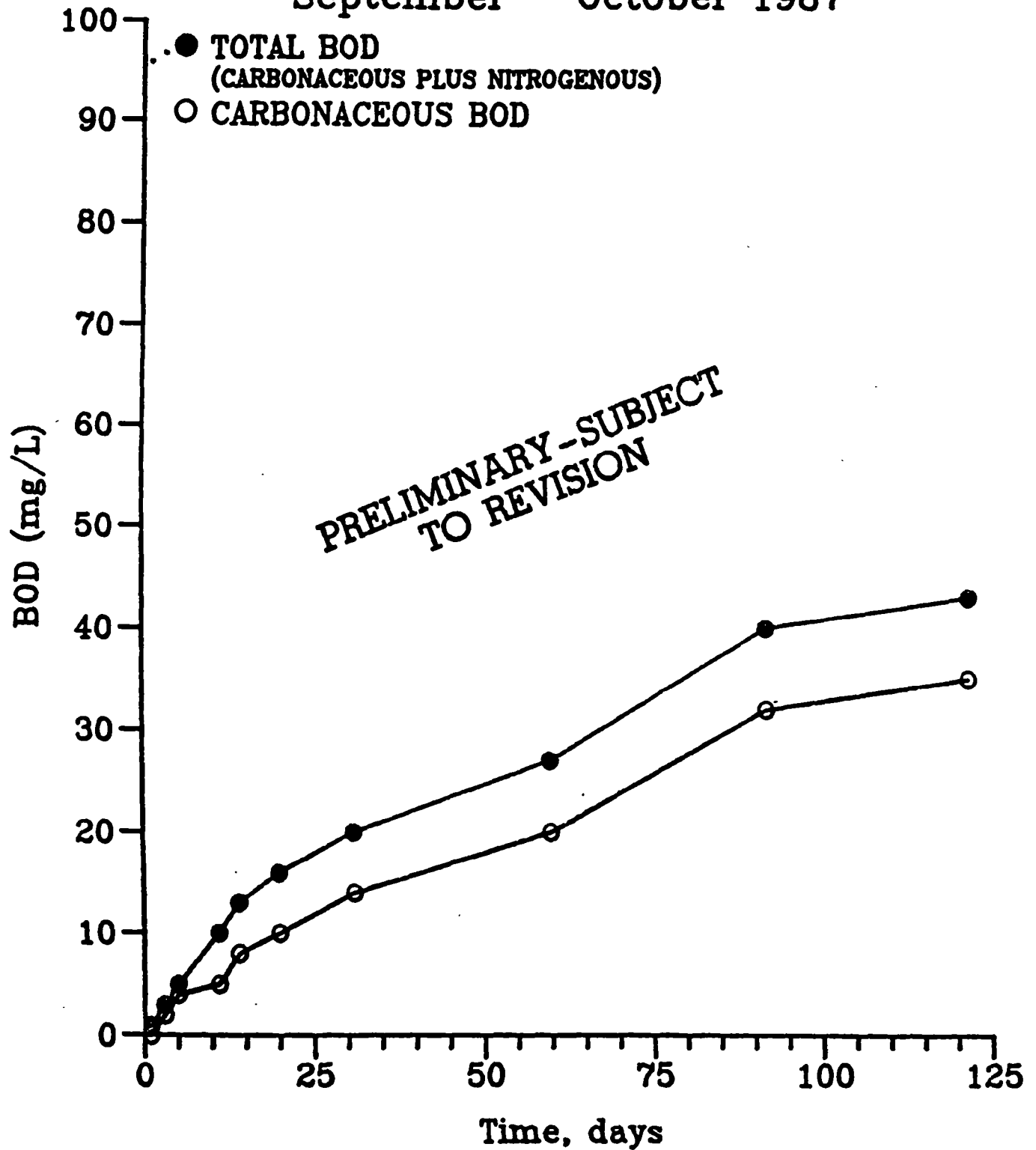


Figure
Biochemical Oxygen Demand
Station RM5.9 (12 HR)
September - October 1987

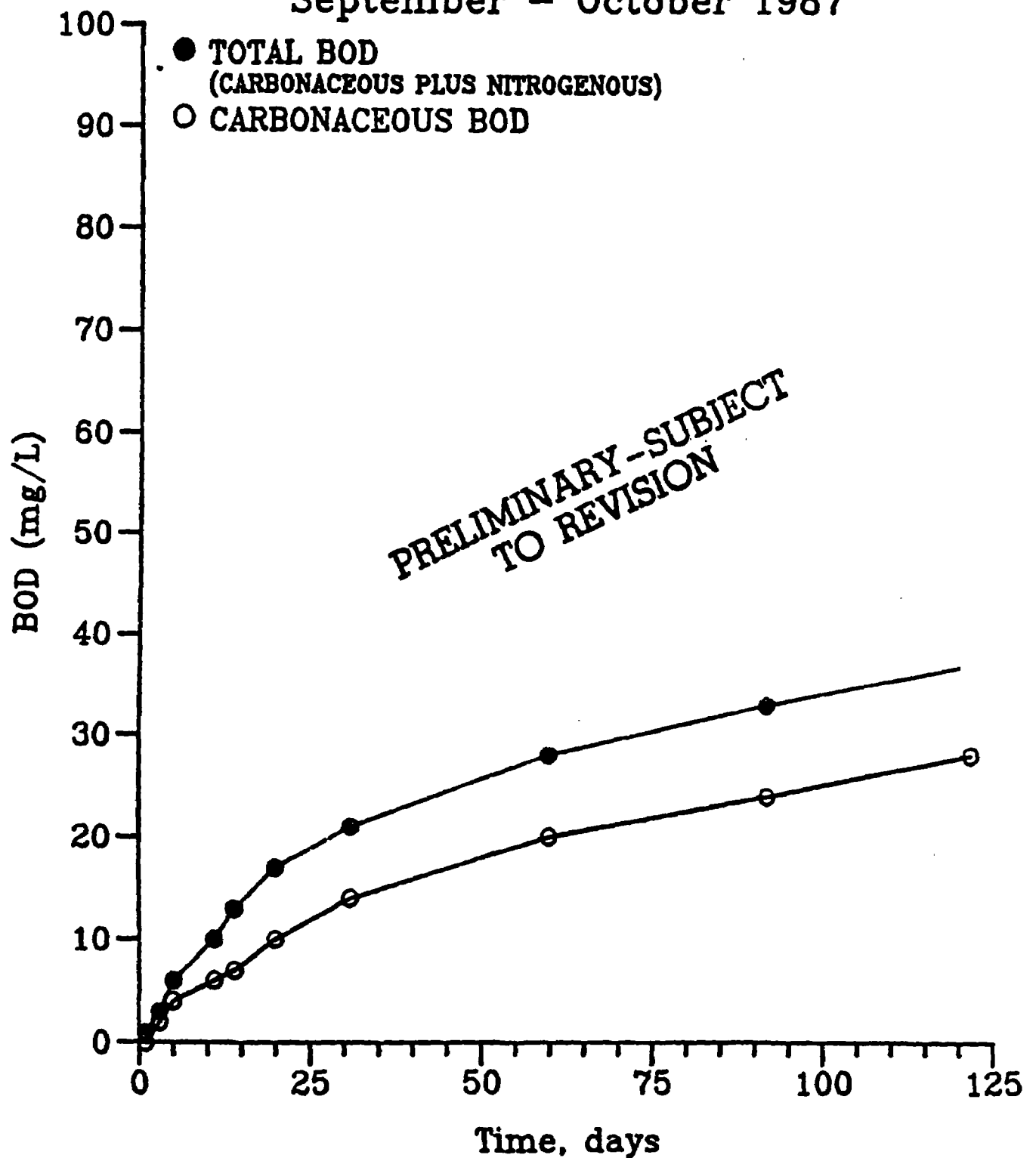


Figure
Biochemical Oxygen Demand
Station T1 TRIB
September - October 1987

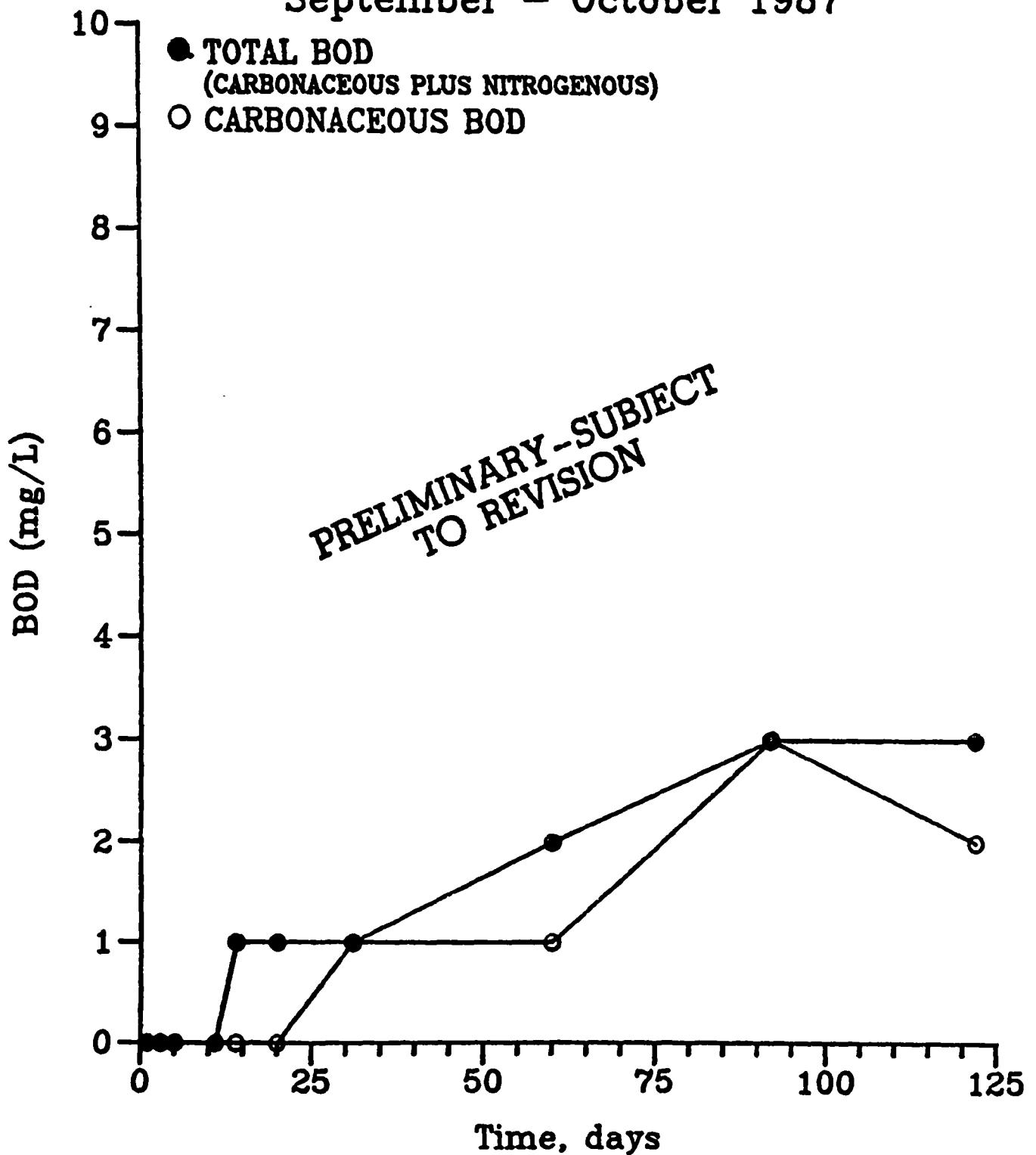


Figure
Biochemical Oxygen Demand
Station RM2.9 (PEAK)
September - October 1987

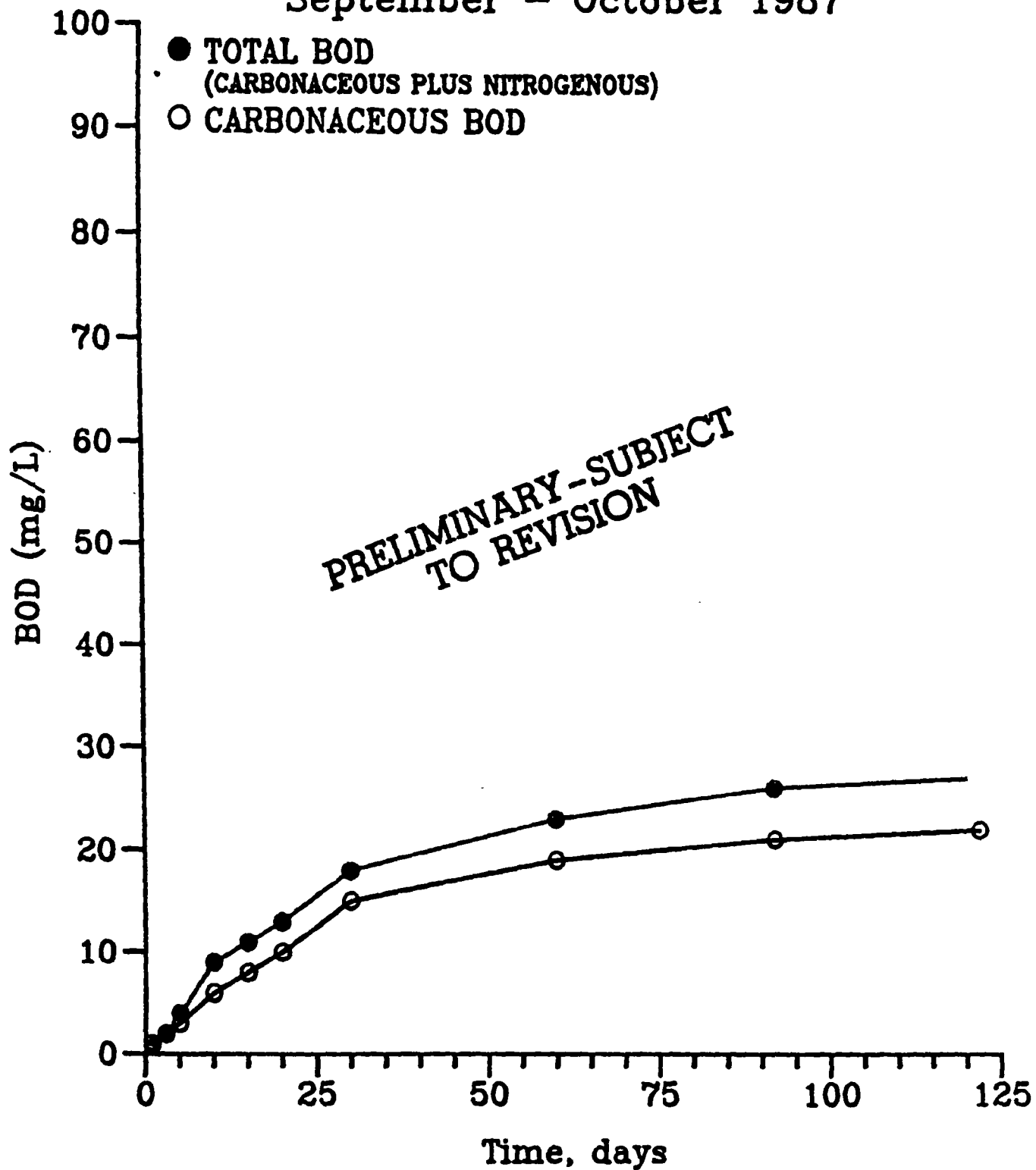


Figure
Biochemical Oxygen Demand
Station RM2.9 (PEAK)
September - October 1987

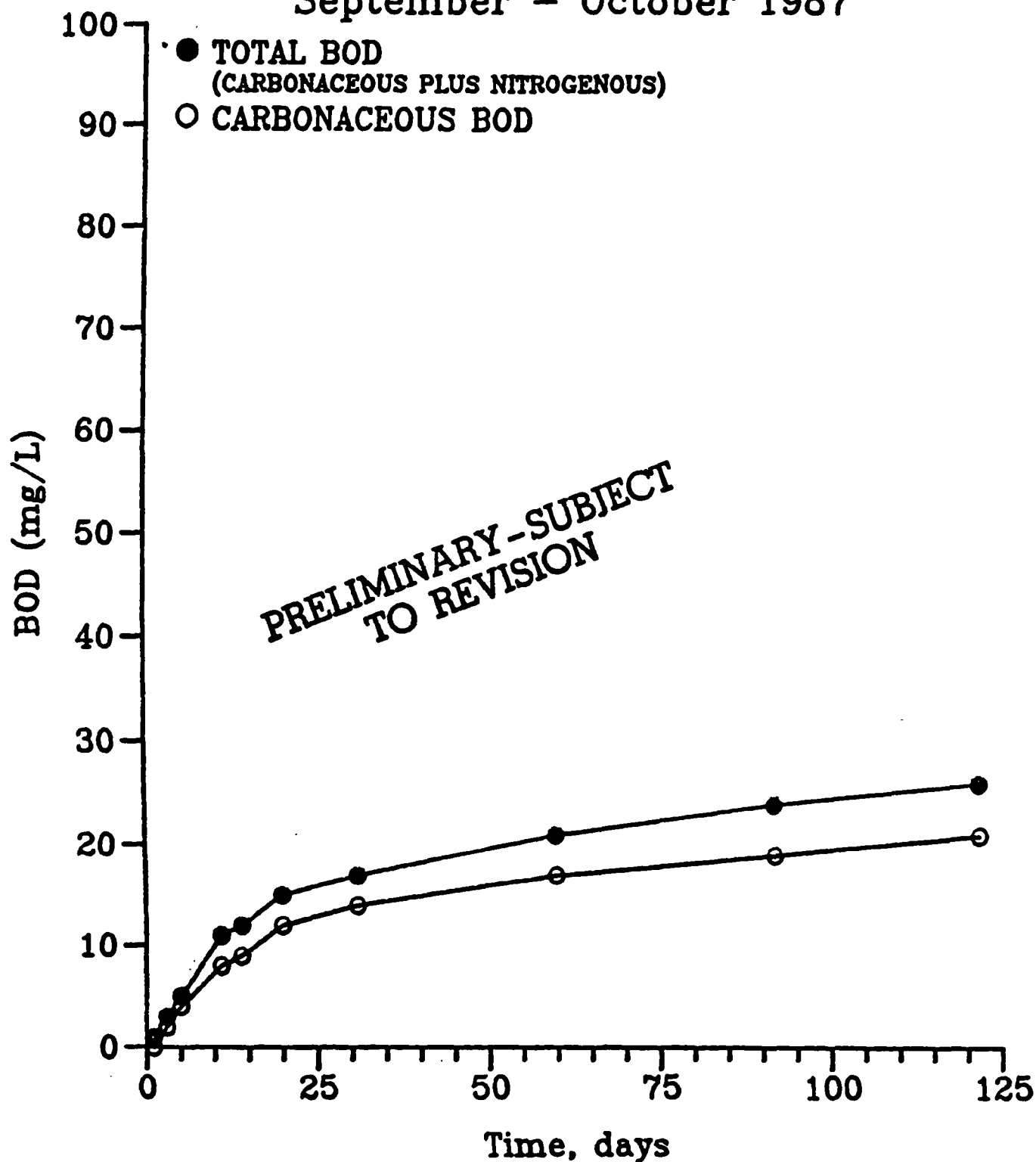


Figure
Biochemical Oxygen Demand
Station T2 TRIB
September - October 1987

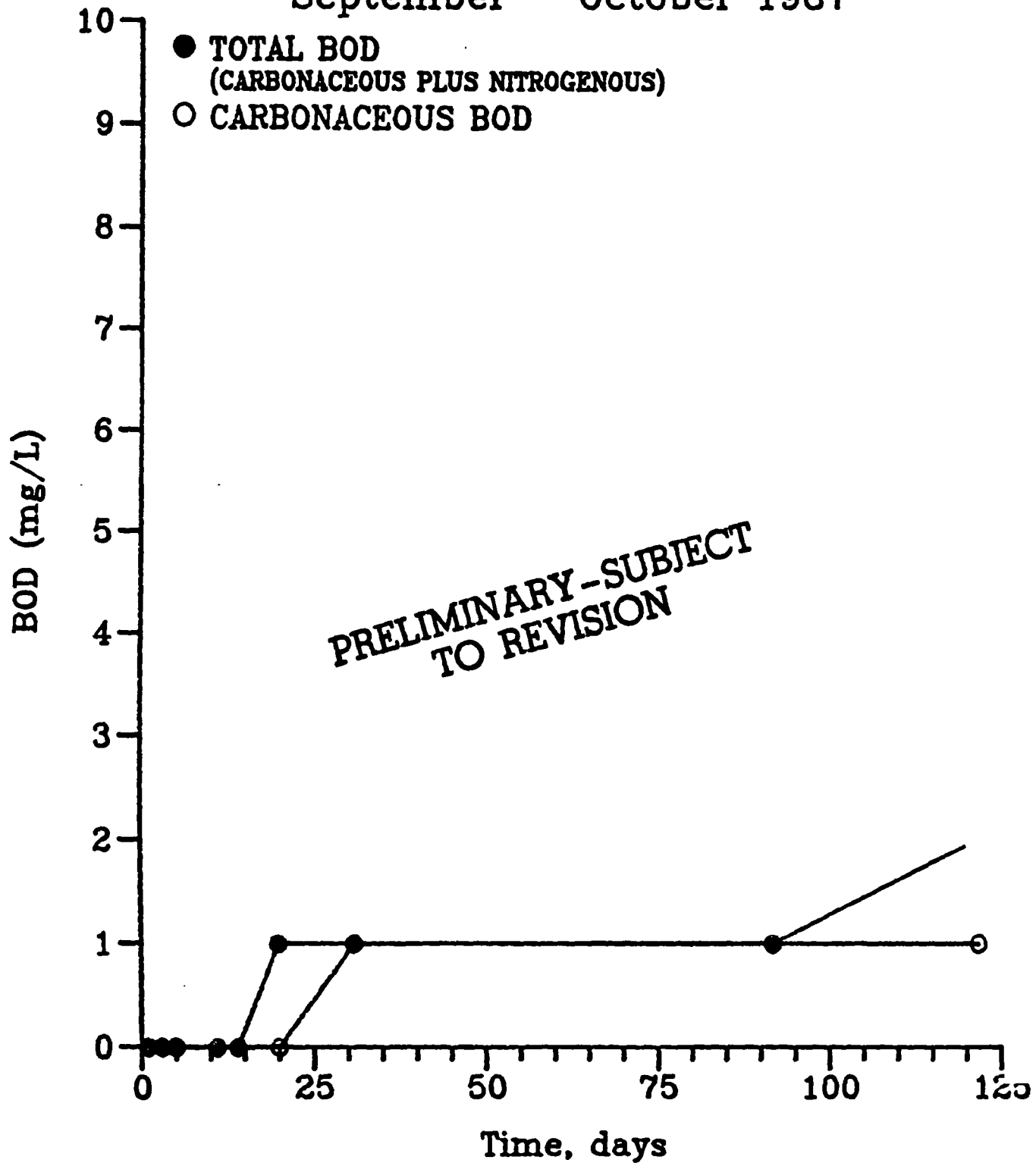


Figure
Biochemical Oxygen Demand
Station RM2.3 (PEAK)
September - October 1987

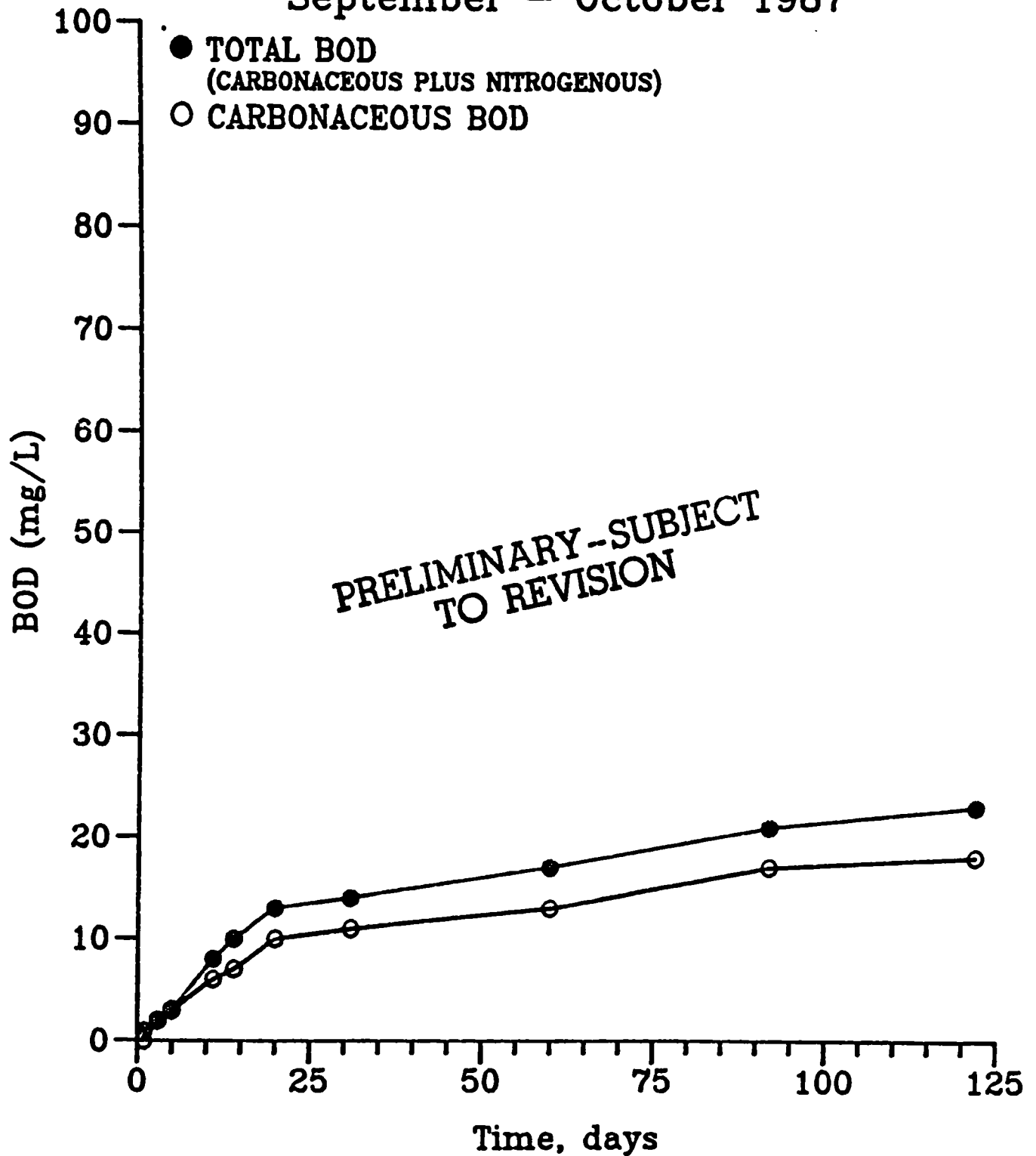


Figure
Biochemical Oxygen Demand
Station RM2.3 (12 HR LAG)
September - October 1987

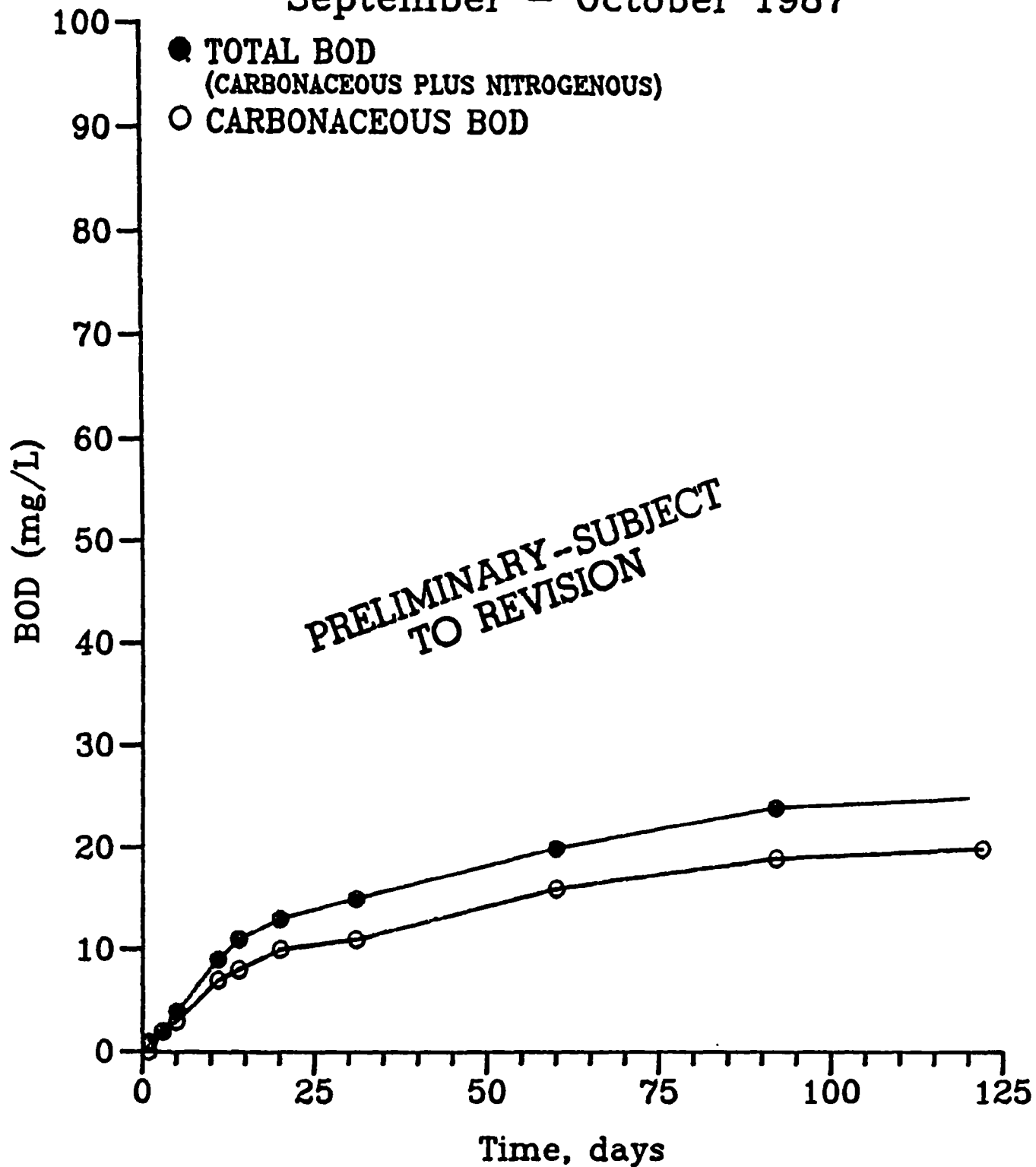


Figure
Biochemical Oxygen Demand
Station RM 1.1
September - October 1987

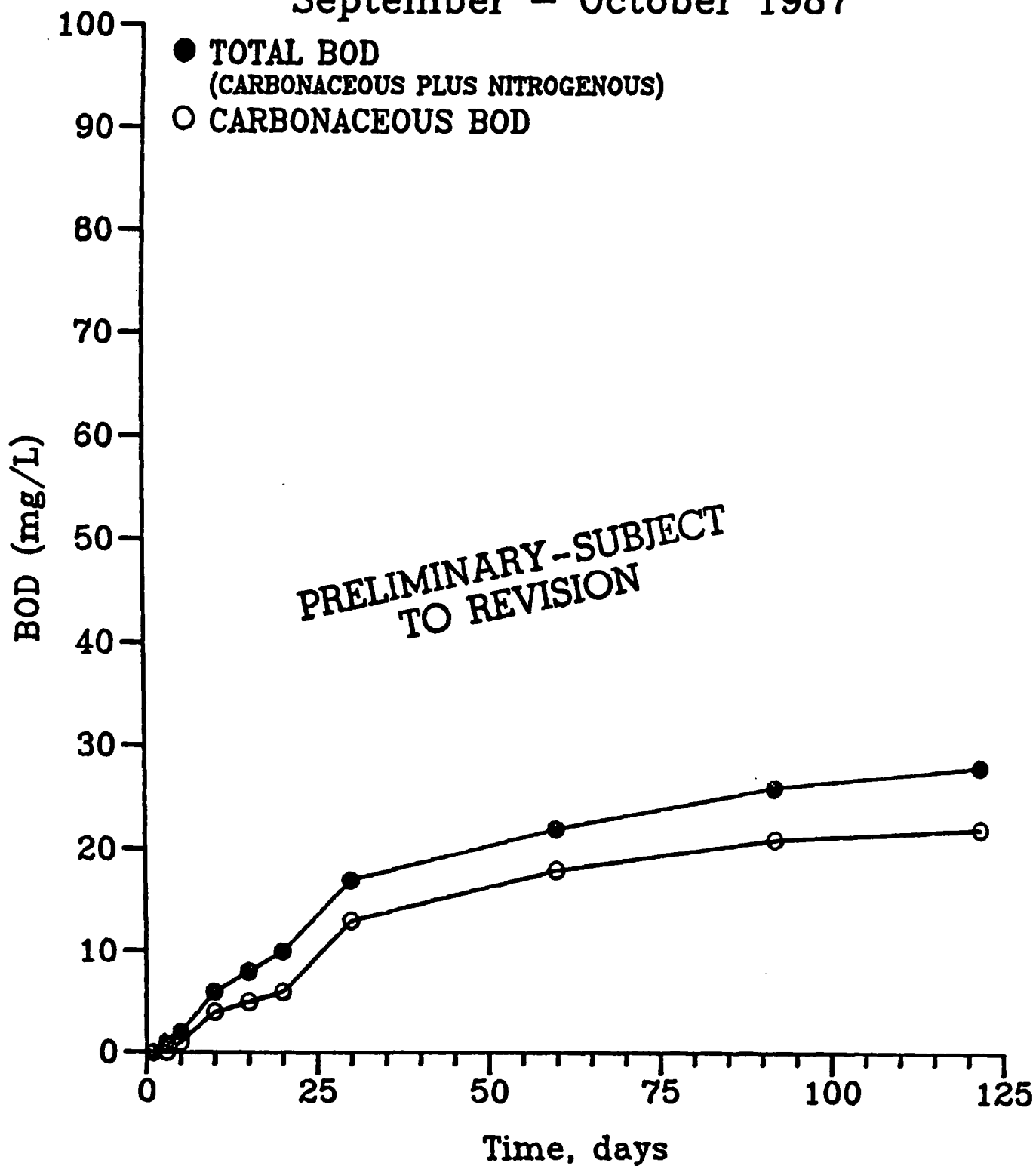


Figure
Biochemical Oxygen Demand
Station RM1.1-B
September - October 1987

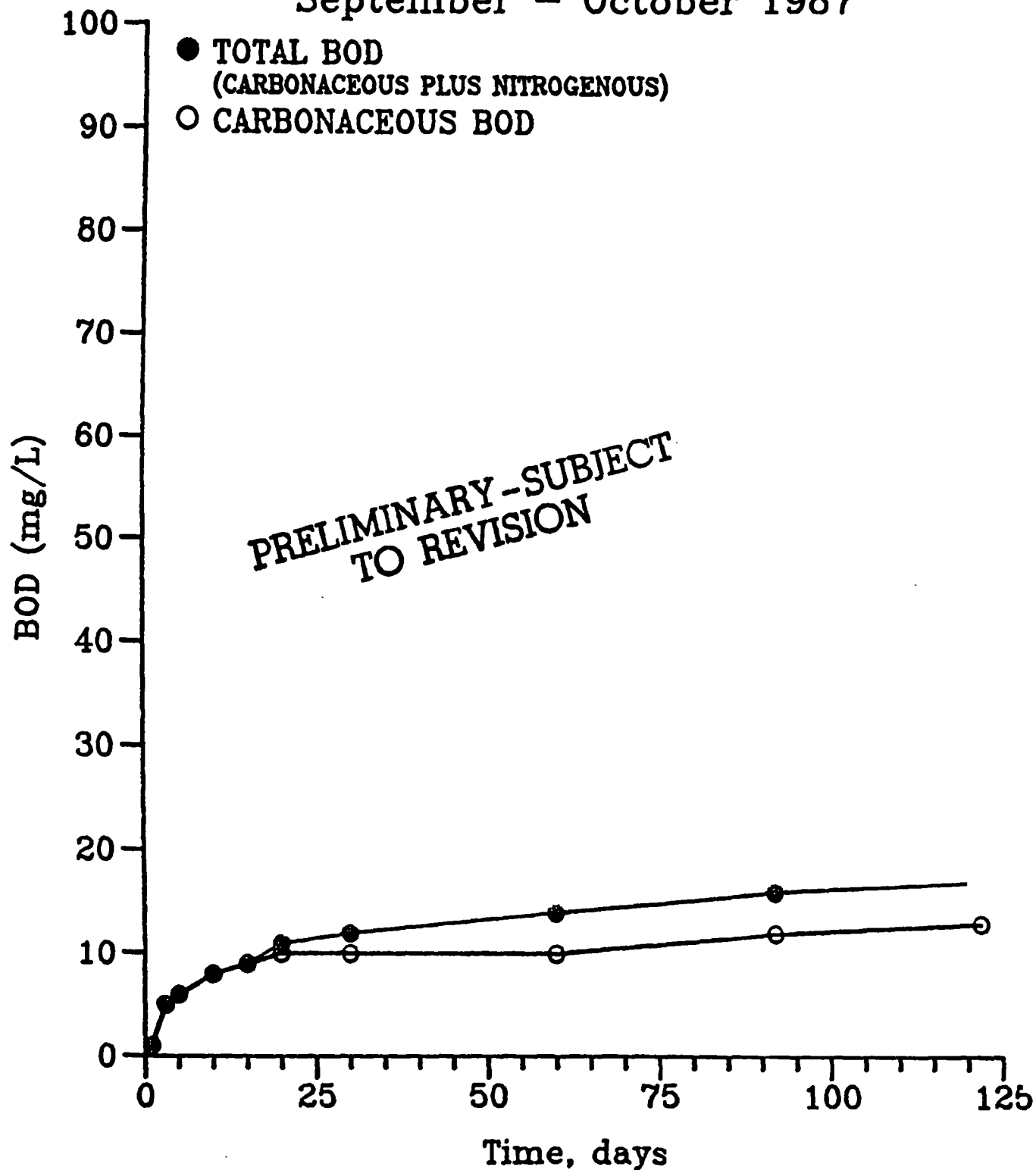


Figure
Biochemical Oxygen Demand
Station C4-T
September - October 1987

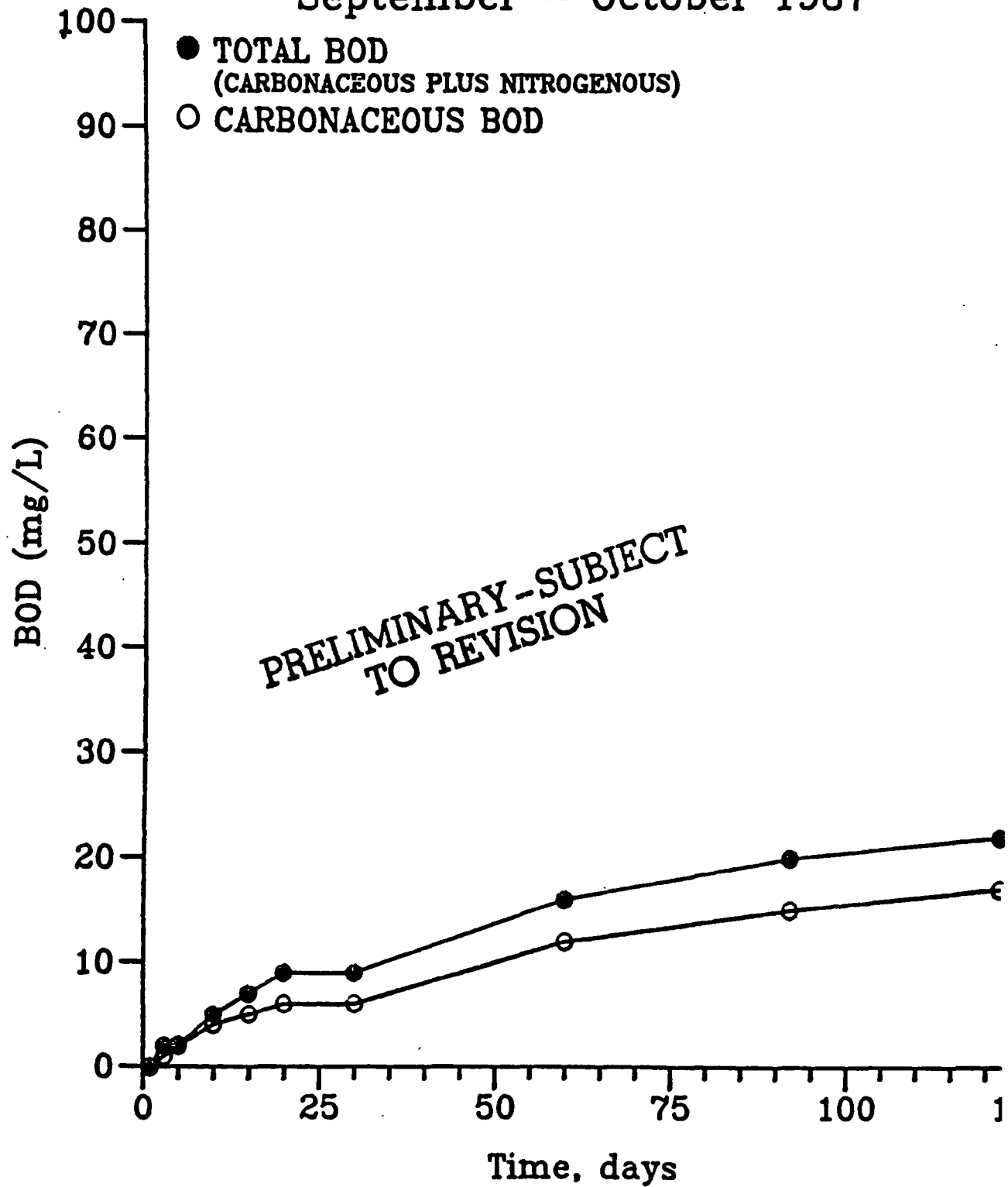


Figure
Biochemical Oxygen Demand
Station C4-B
September - October 1987

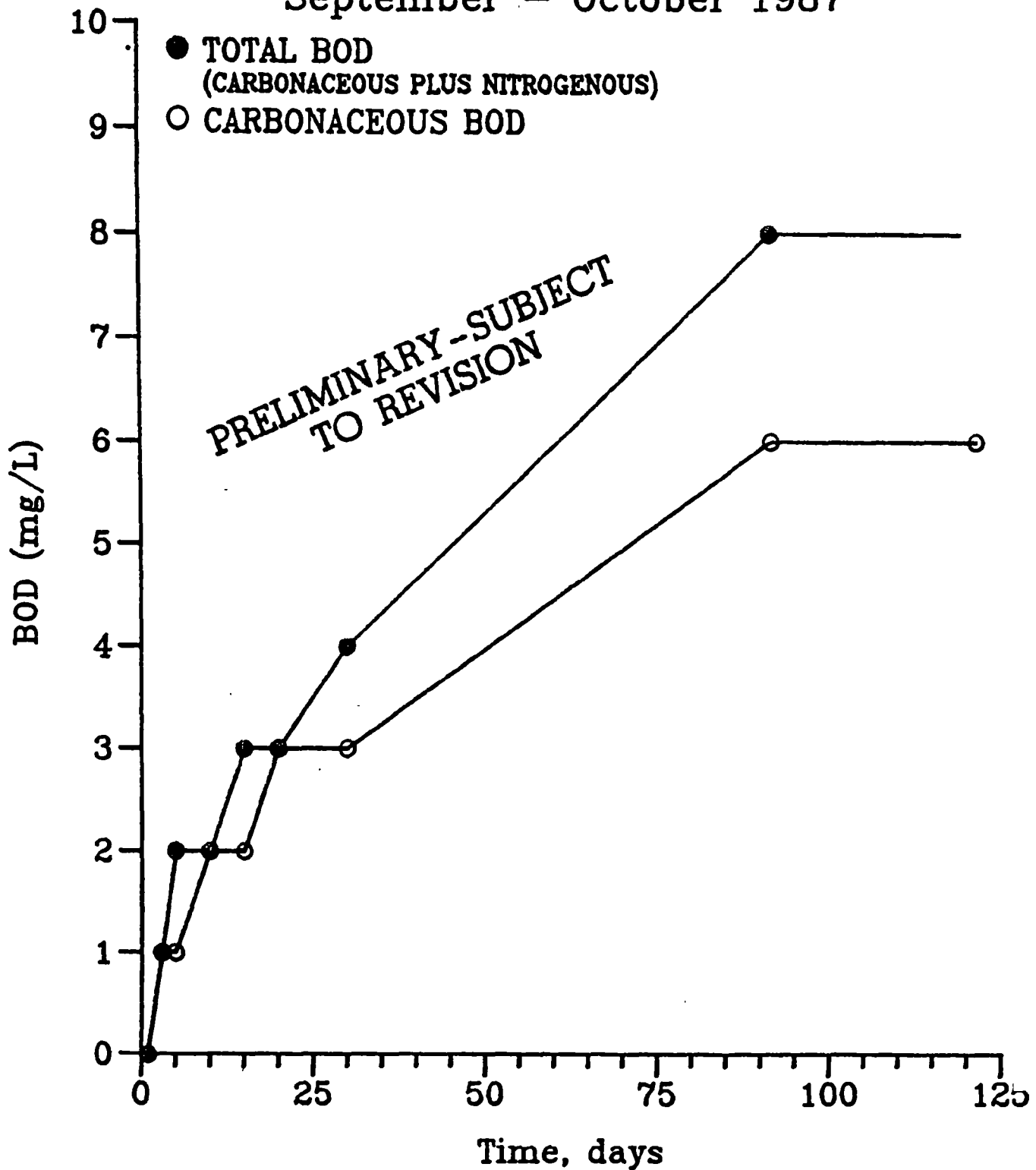


Figure
Biochemical Oxygen Demand
Station C6-T (HI SLACK)
September - October 1987

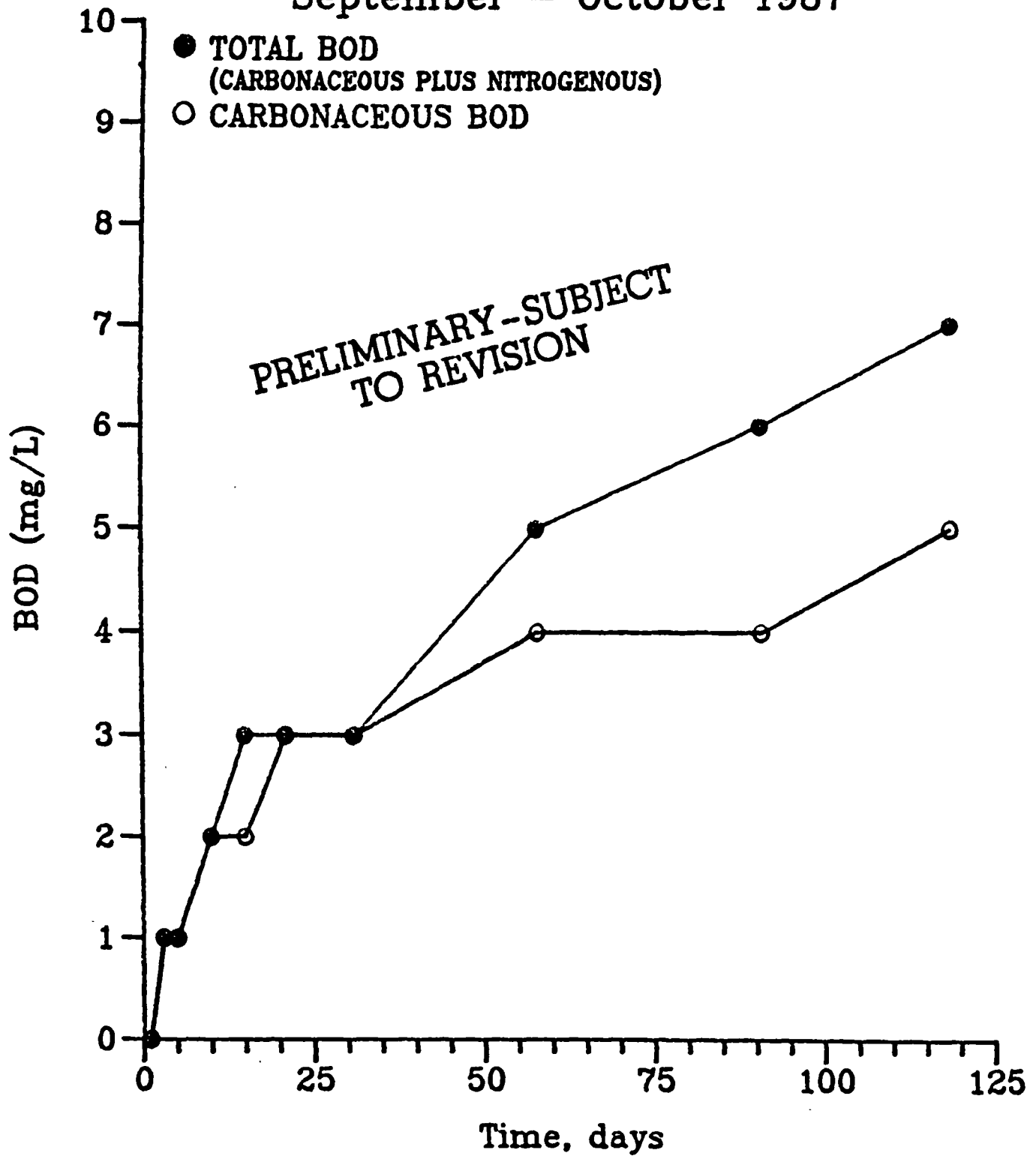


Figure
Biochemical Oxygen Demand
Station C6-B (HI SLACK)
September - October 1987

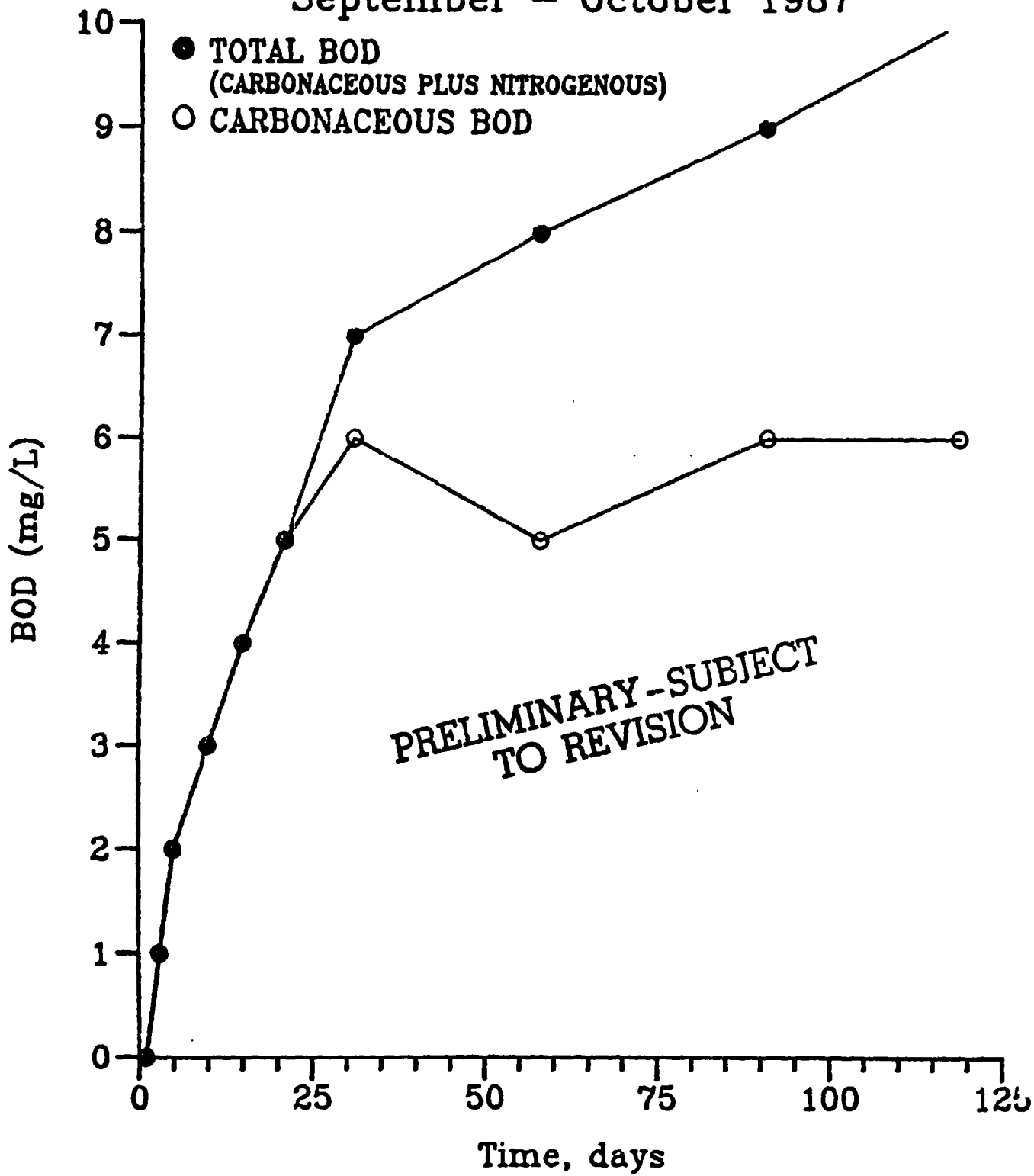


Figure
Biochemical Oxygen Demand
Station C6-T (LO SLACK)
September - October 1987

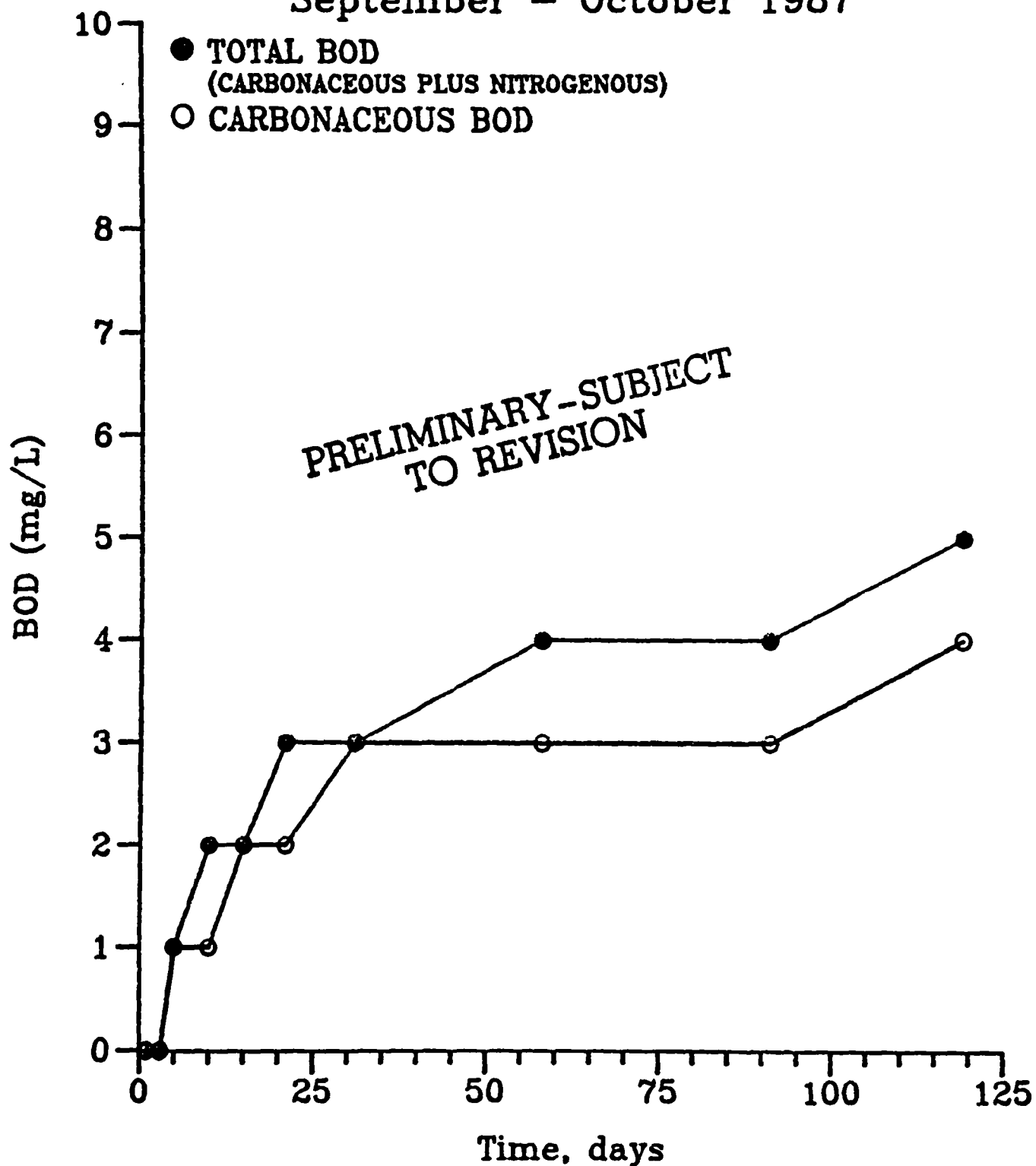


Figure
Biochemical Oxygen Demand
Station C6-B (LO SLACK)
September - October 1987

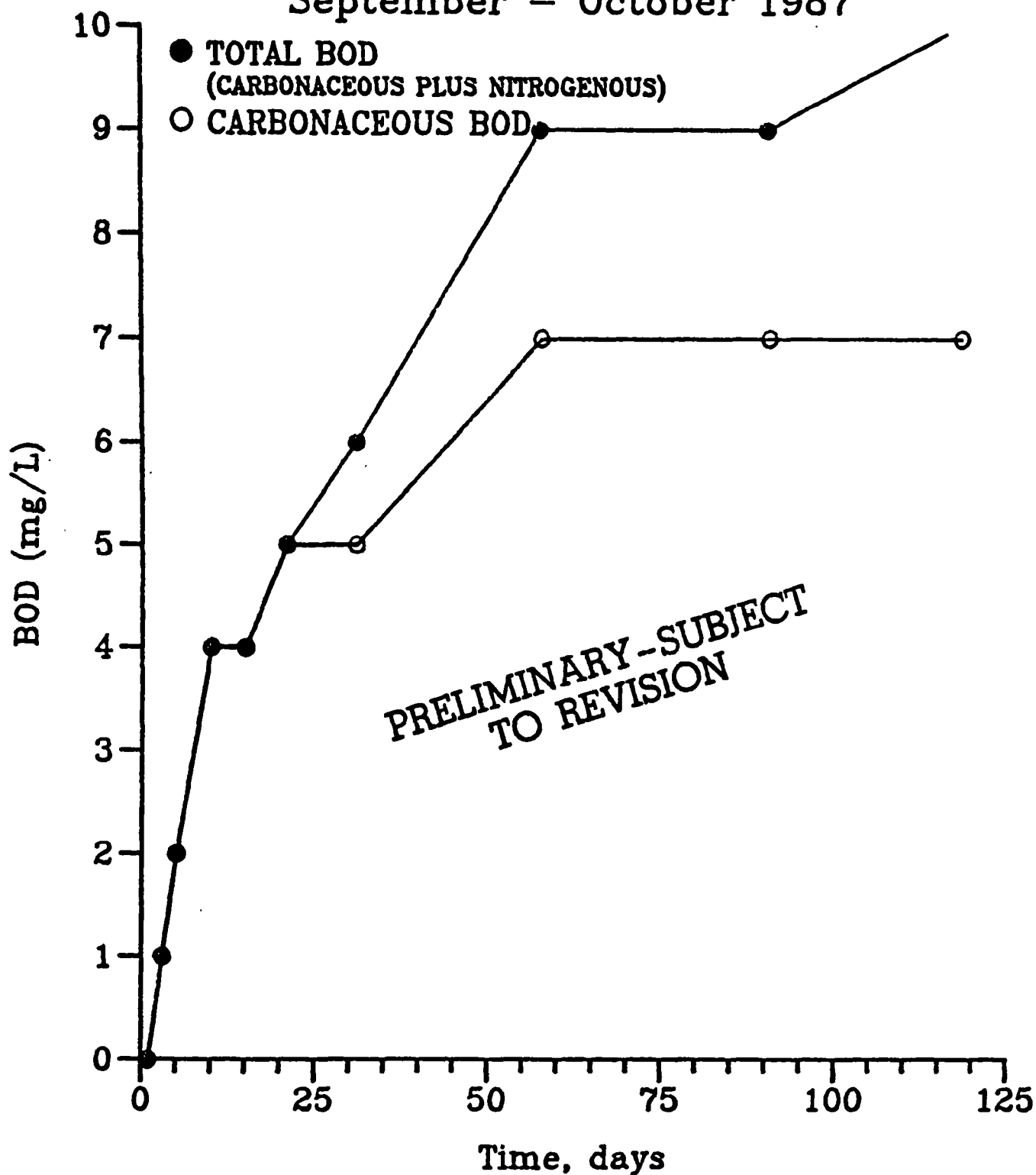


Figure
Biochemical Oxygen Demand
Station C7.5 HIGH SLACK
September - October 1987

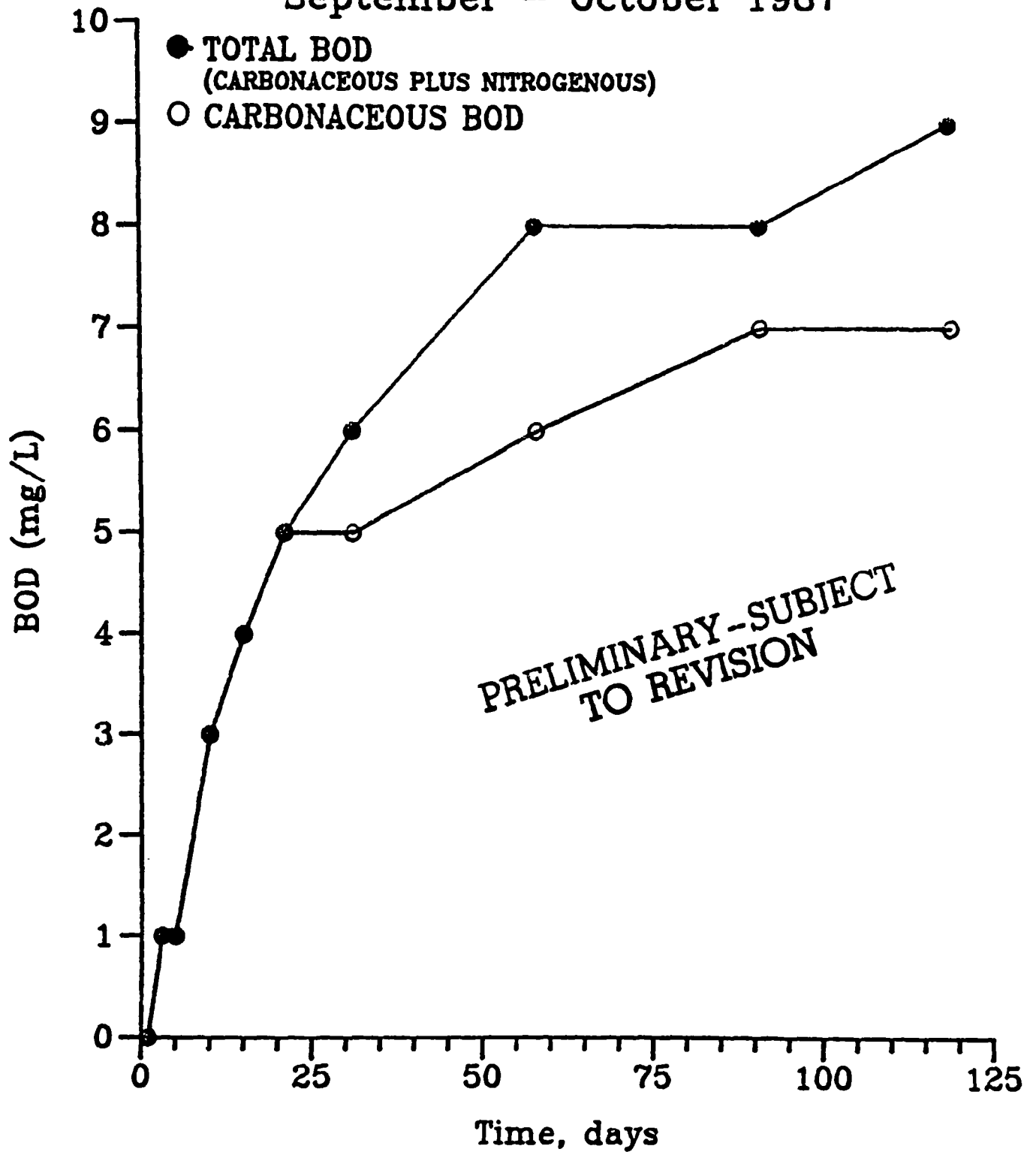


Figure
Biochemical Oxygen Demand
Station C7.5 LOW SLACK
September - October 1987

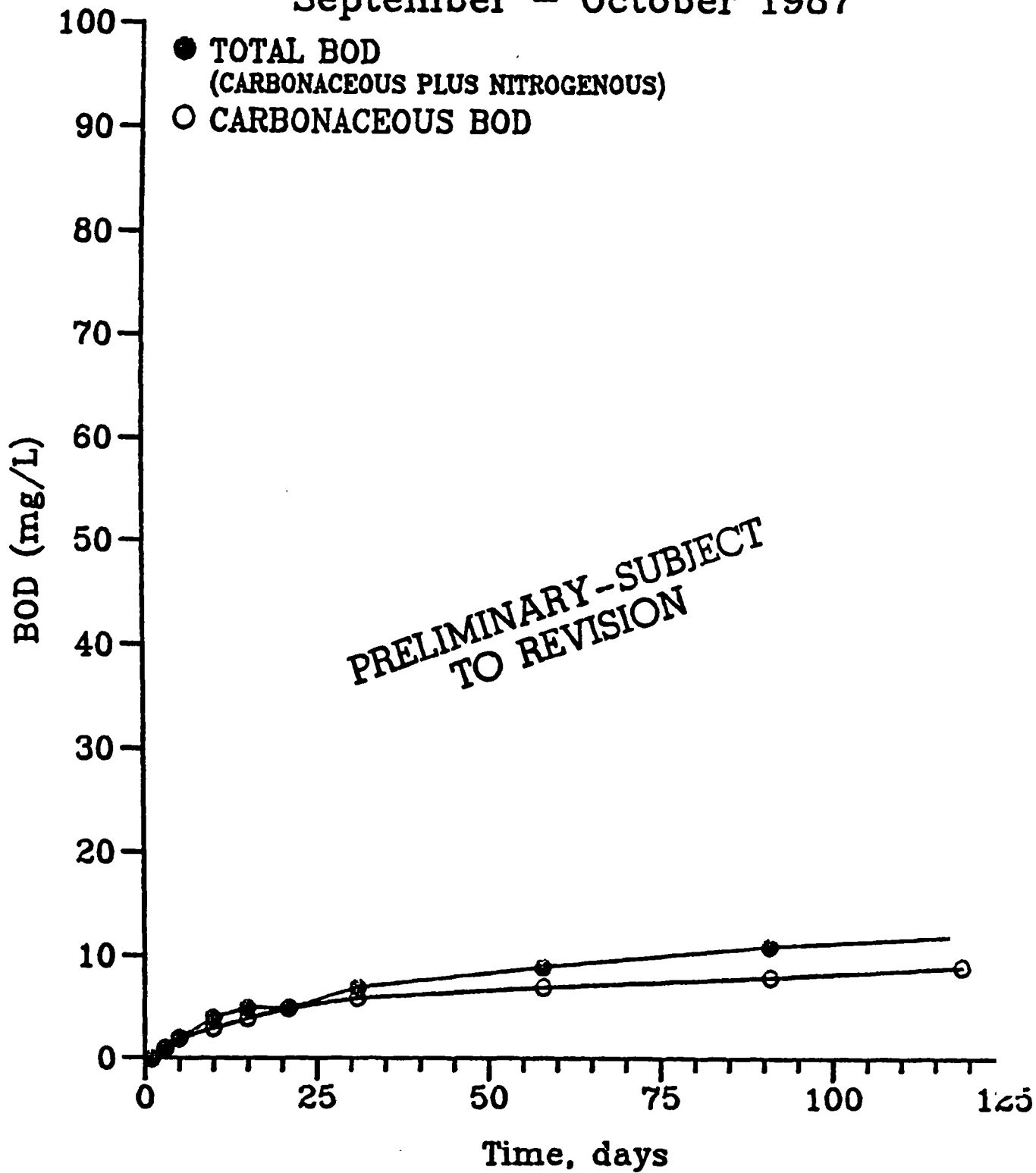


Figure
Biochemical Oxygen Demand
Station C8 HIGH SLACK
September - October 1987

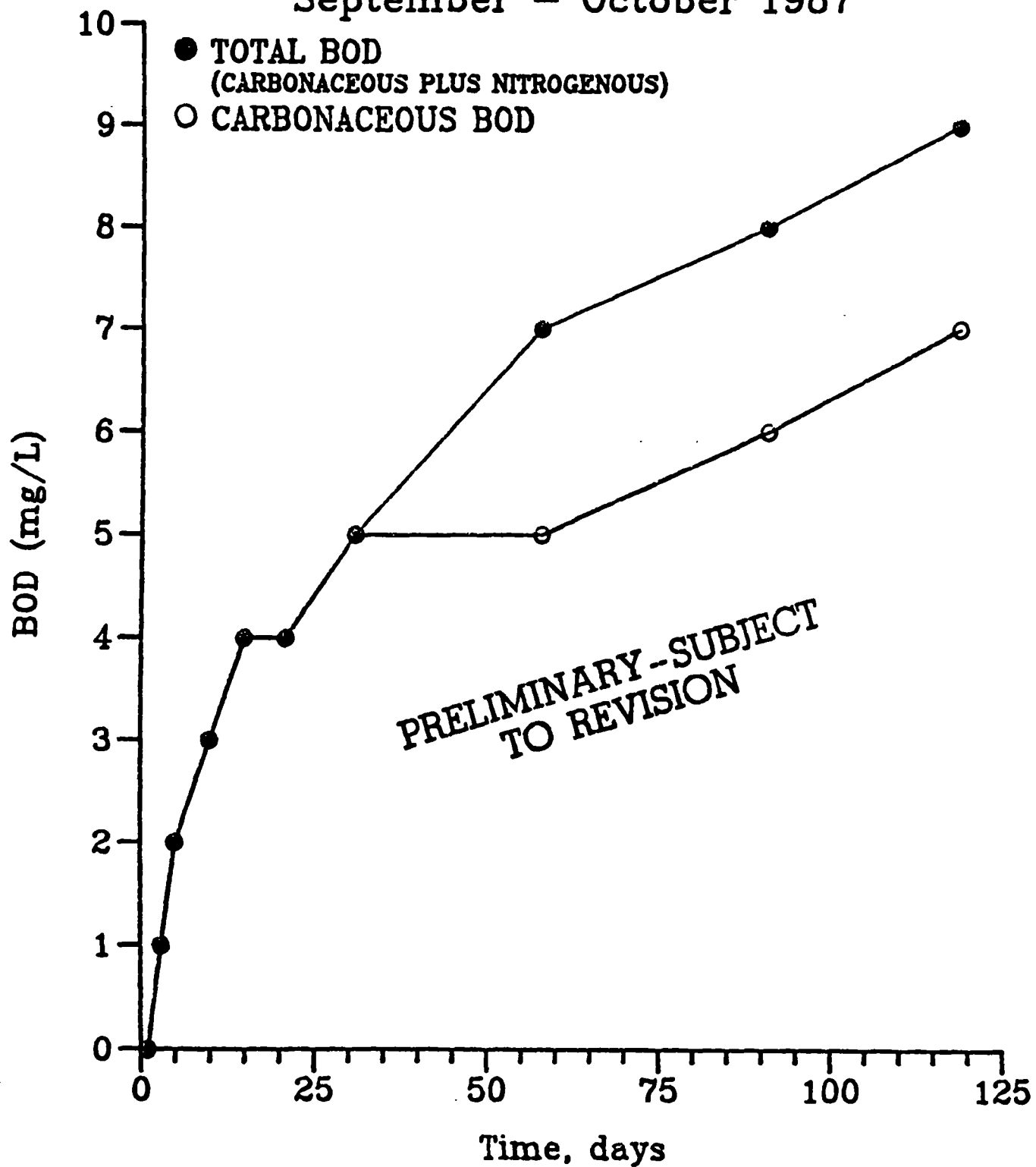


Figure
Biochemical Oxygen Demand
Station C8 LOW SLACK
September - October 1987

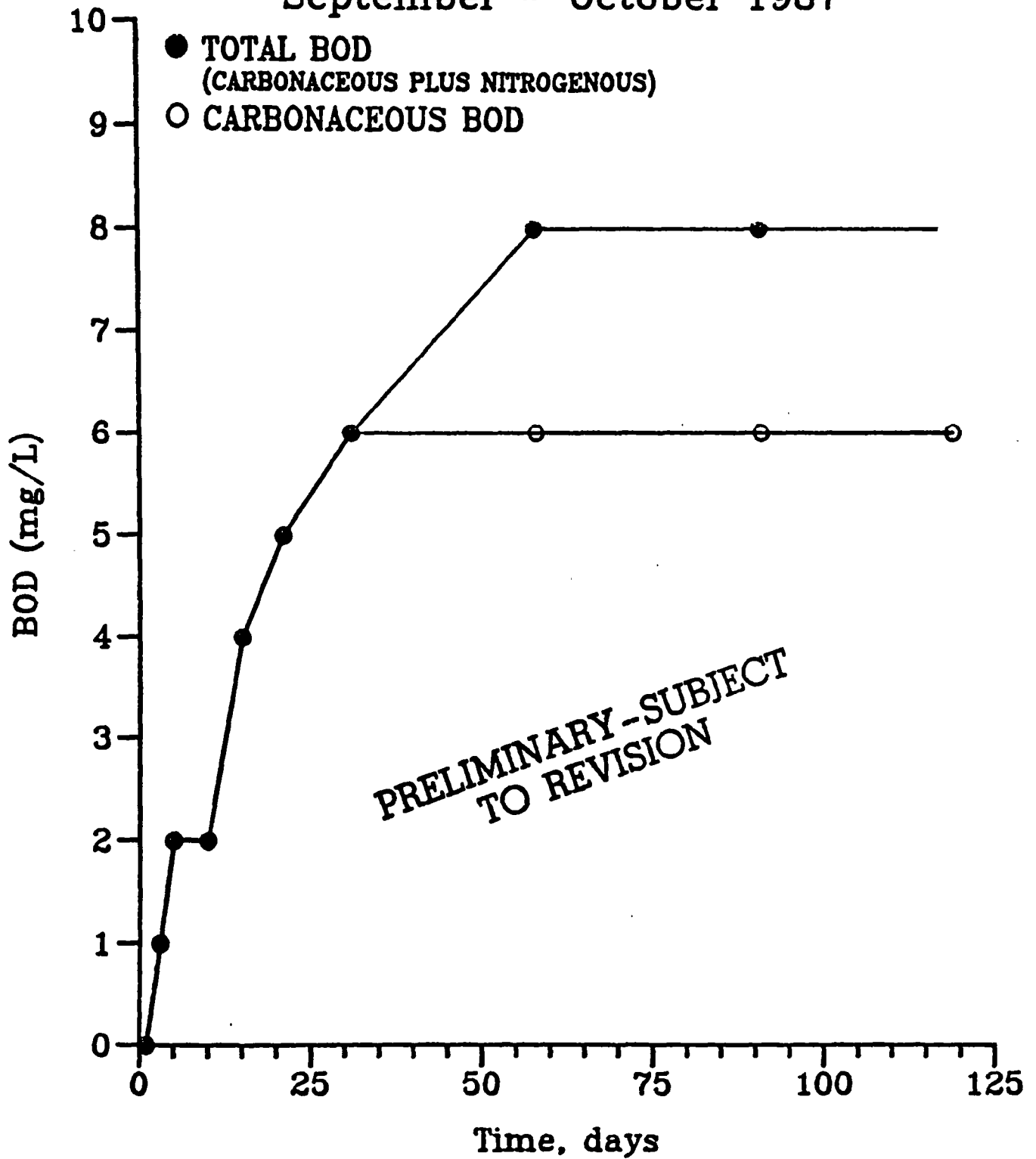


Figure
Biochemical Oxygen Demand
Station C8.5 HIGH SLACK
September - October 1987

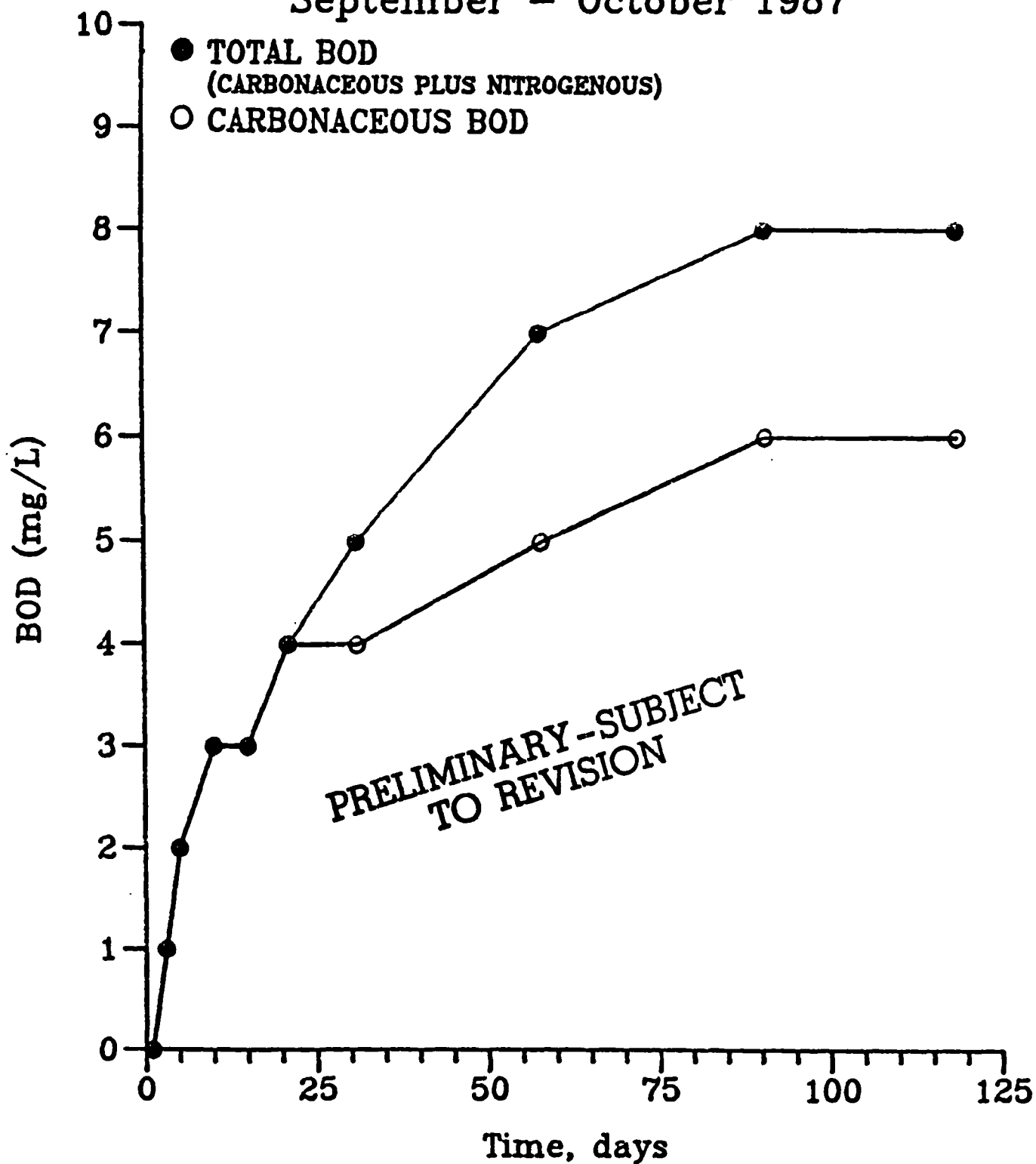


Figure
Biochemical Oxygen Demand
Station C8.5 LOW SLACK
September - October 1987

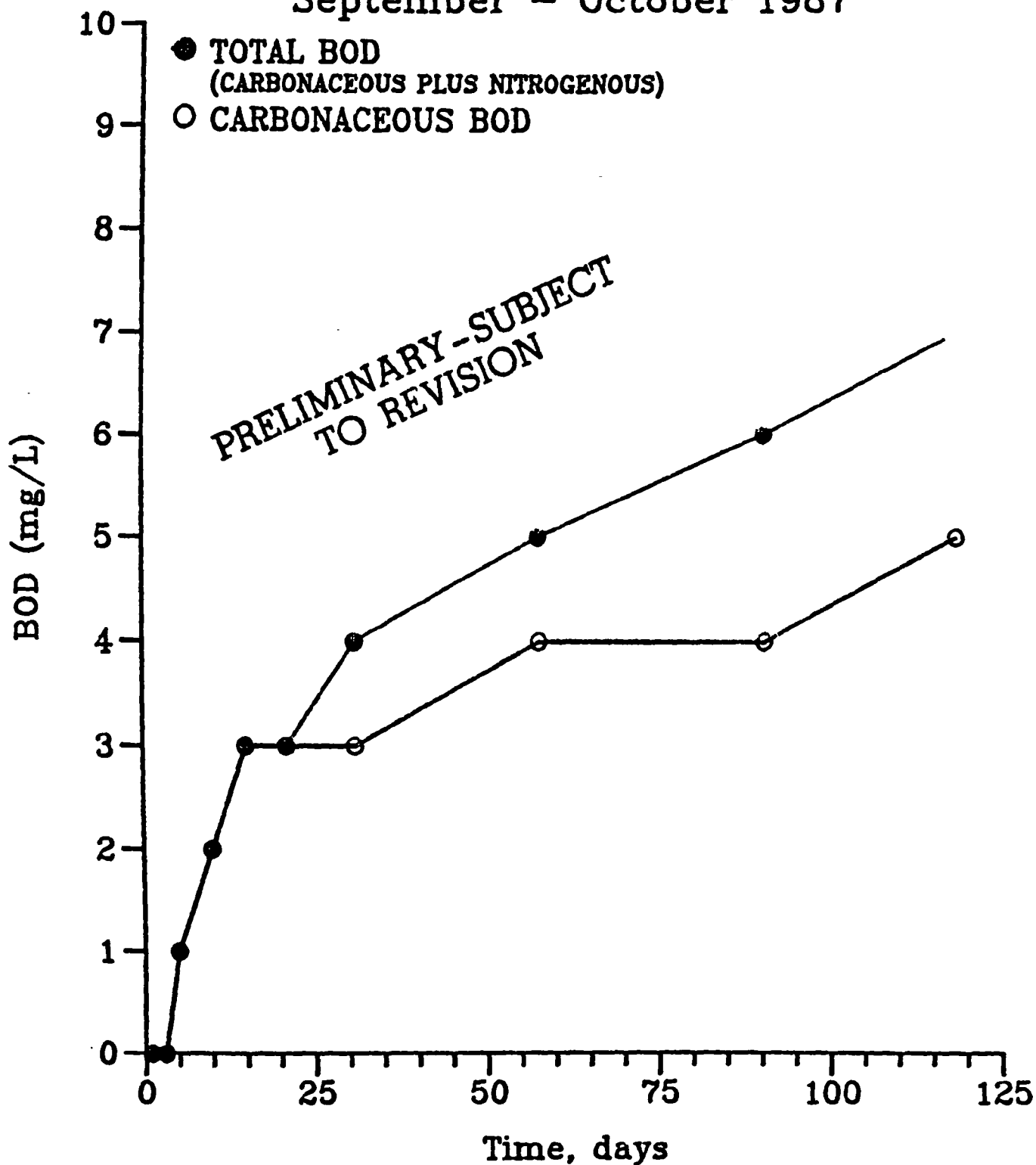


Figure
Biochemical Oxygen Demand
Station C9 HIGH SLACK
September - October 1987

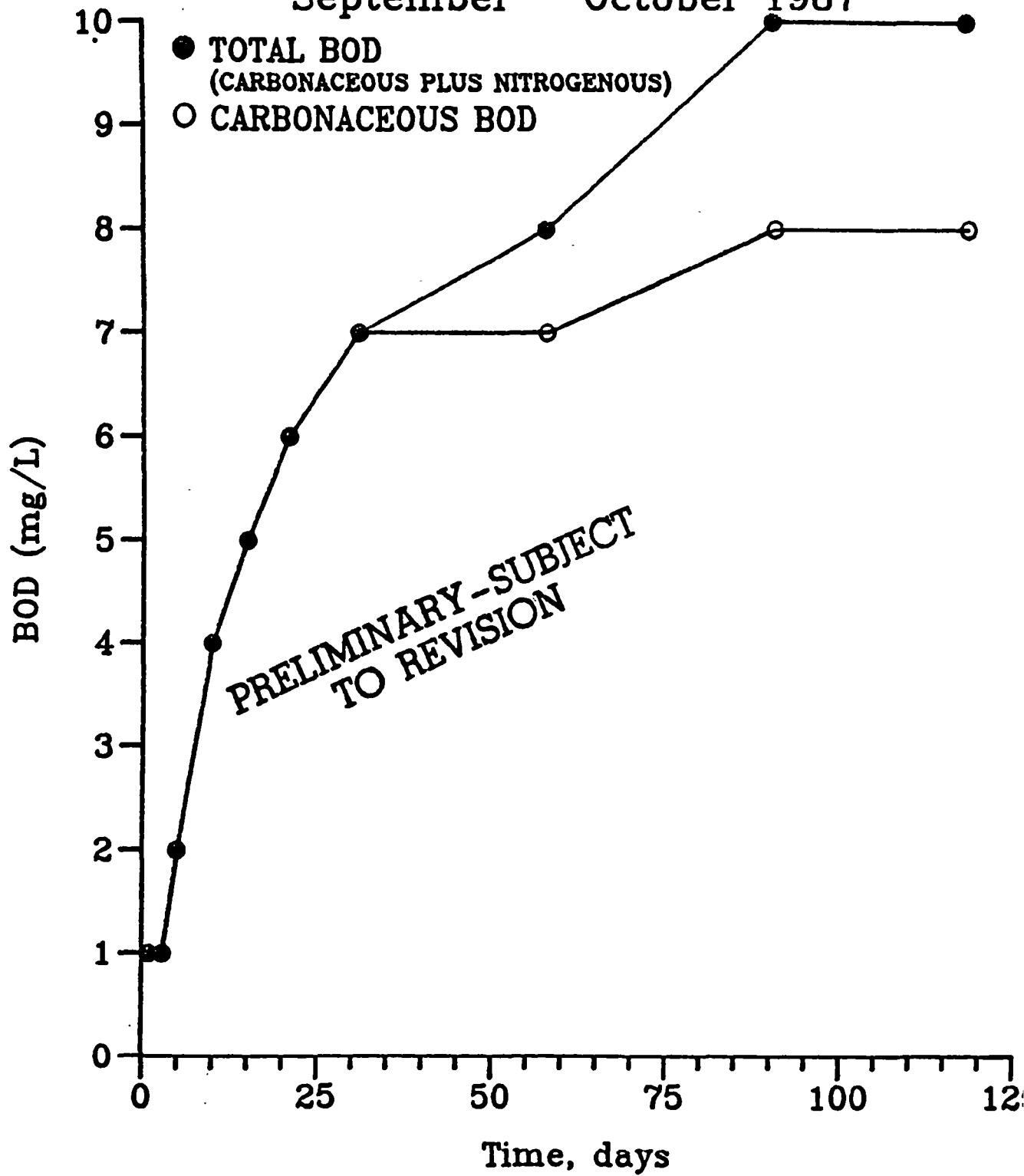


Figure
Biochemical Oxygen Demand
Station C9 LOW SLACK
September - October 1987

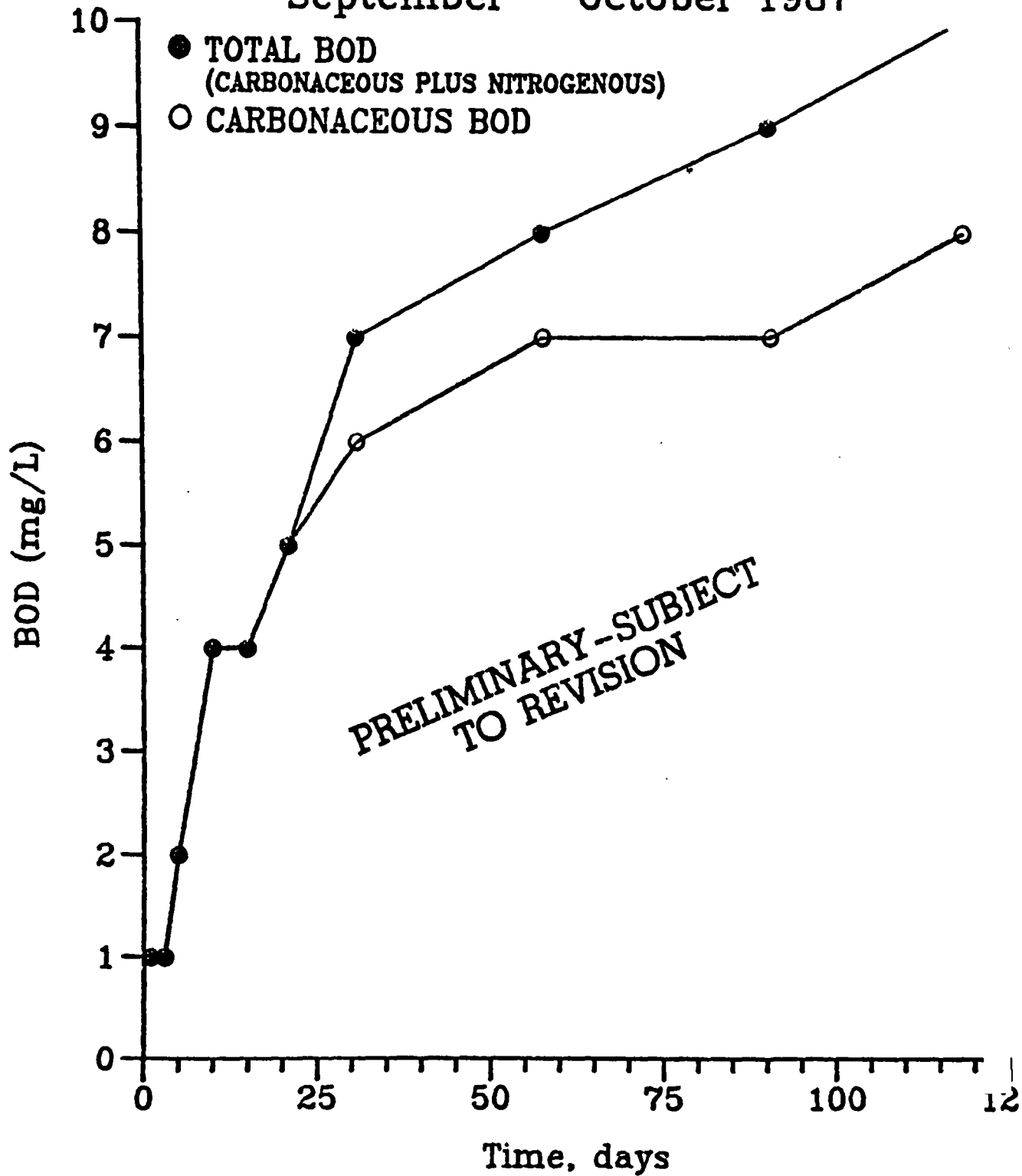


Figure
Biochemical Oxygen Demand
Station C10 HIGH SLACK
September - October 1987

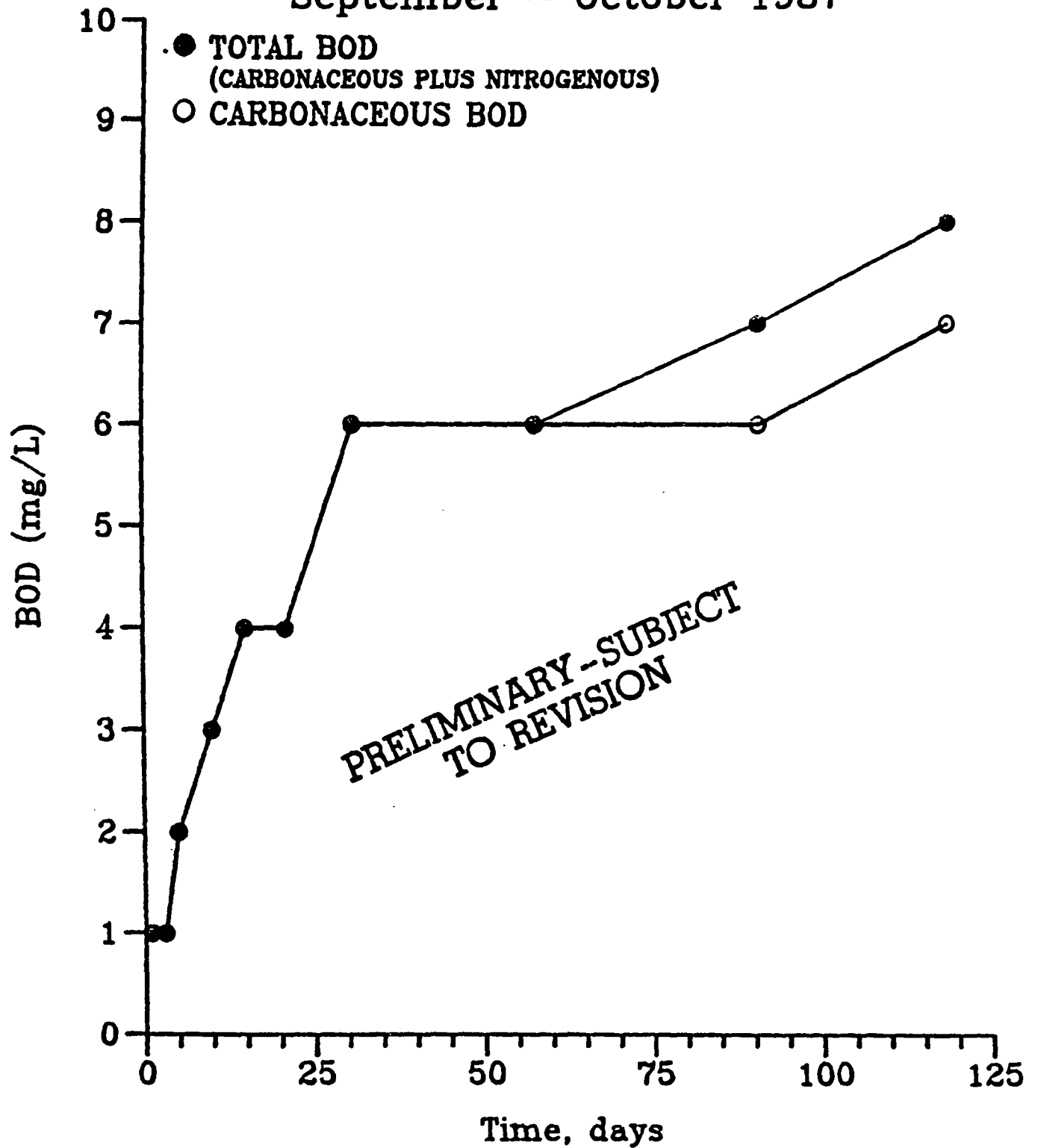


Figure
Biochemical Oxygen Demand
Station C10 LOW SLACK
September - October 1987

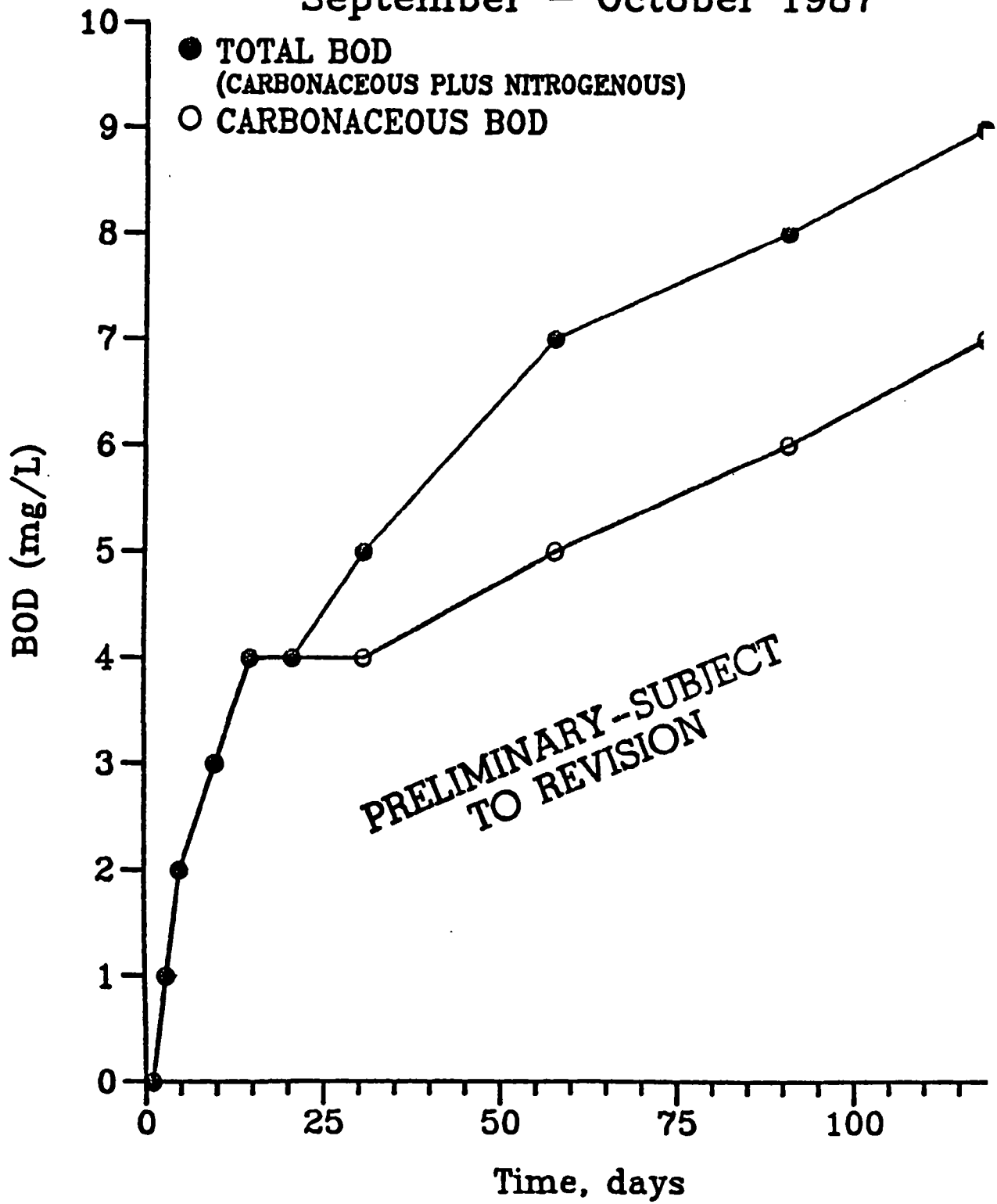


Figure
Biochemical Oxygen Demand
Station C11 HIGH SLACK
September - October 1987

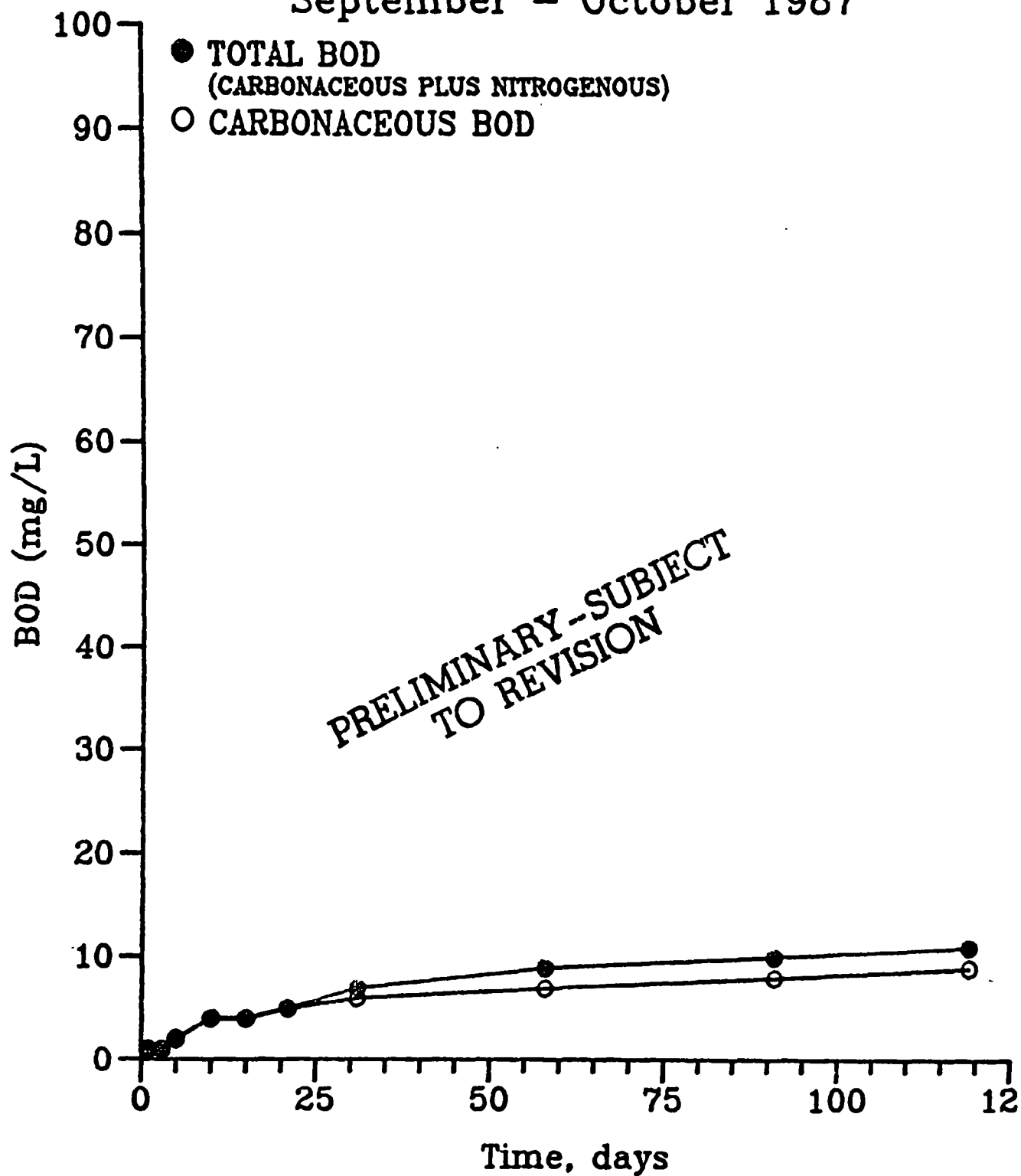


Figure
Biochemical Oxygen Demand
Station C11 LOW SLACK
September - October 1987

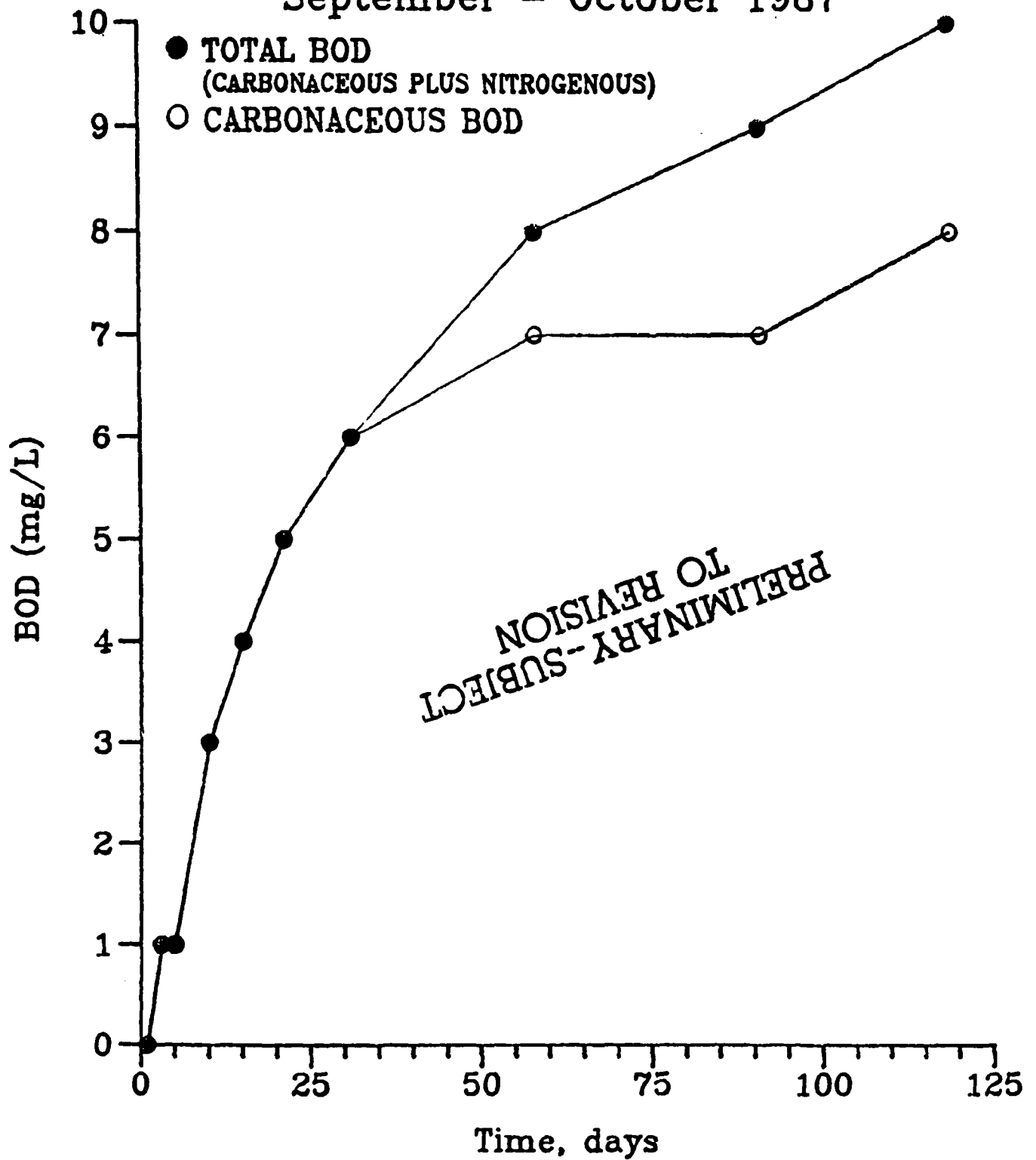


Figure
Biochemical Oxygen Demand
Station C11.5 HIGH SLACK
September - October 1987

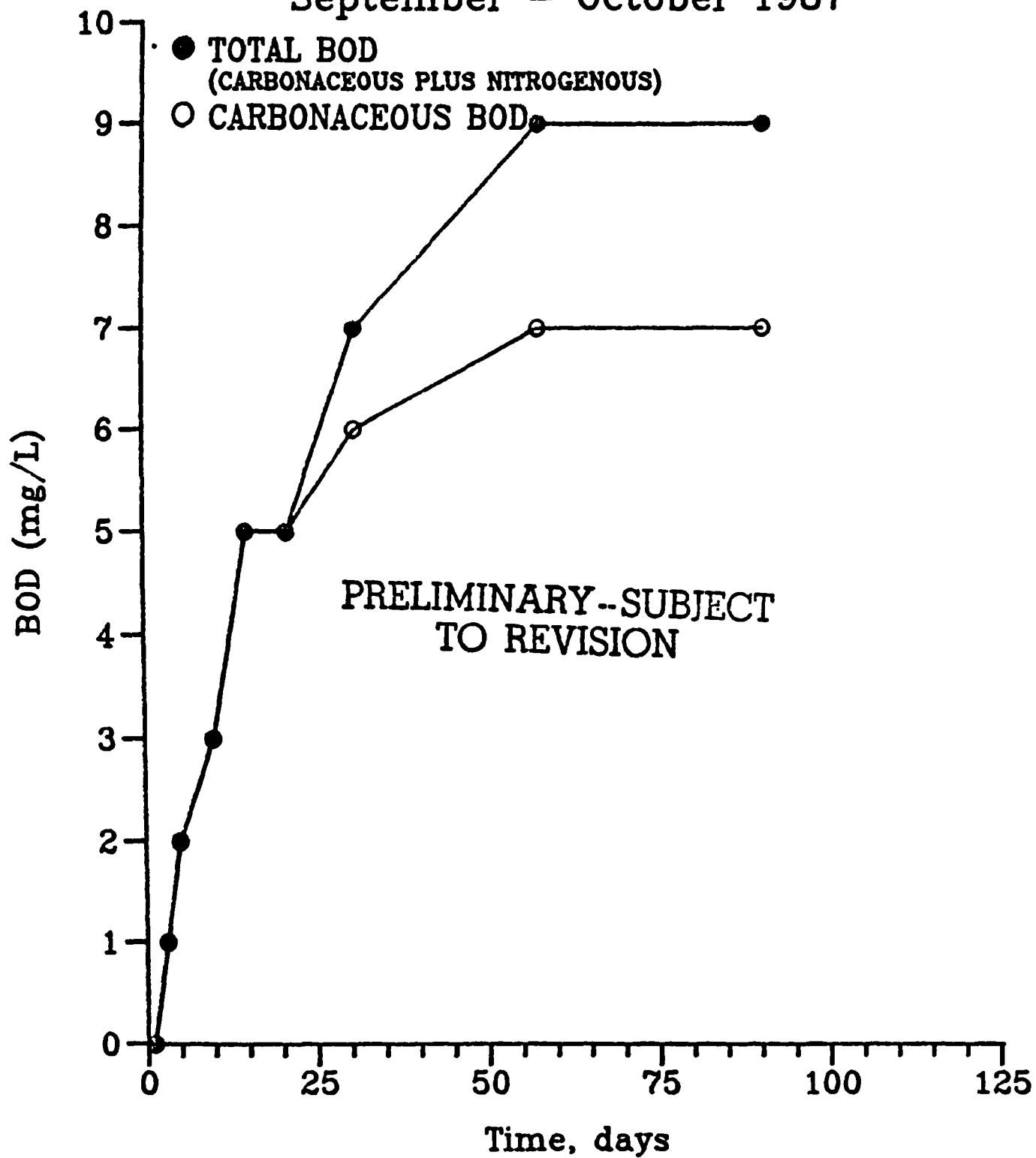


Figure
Biochemical Oxygen Demand
Station C11.5 LOW SLACK
September - October 1987

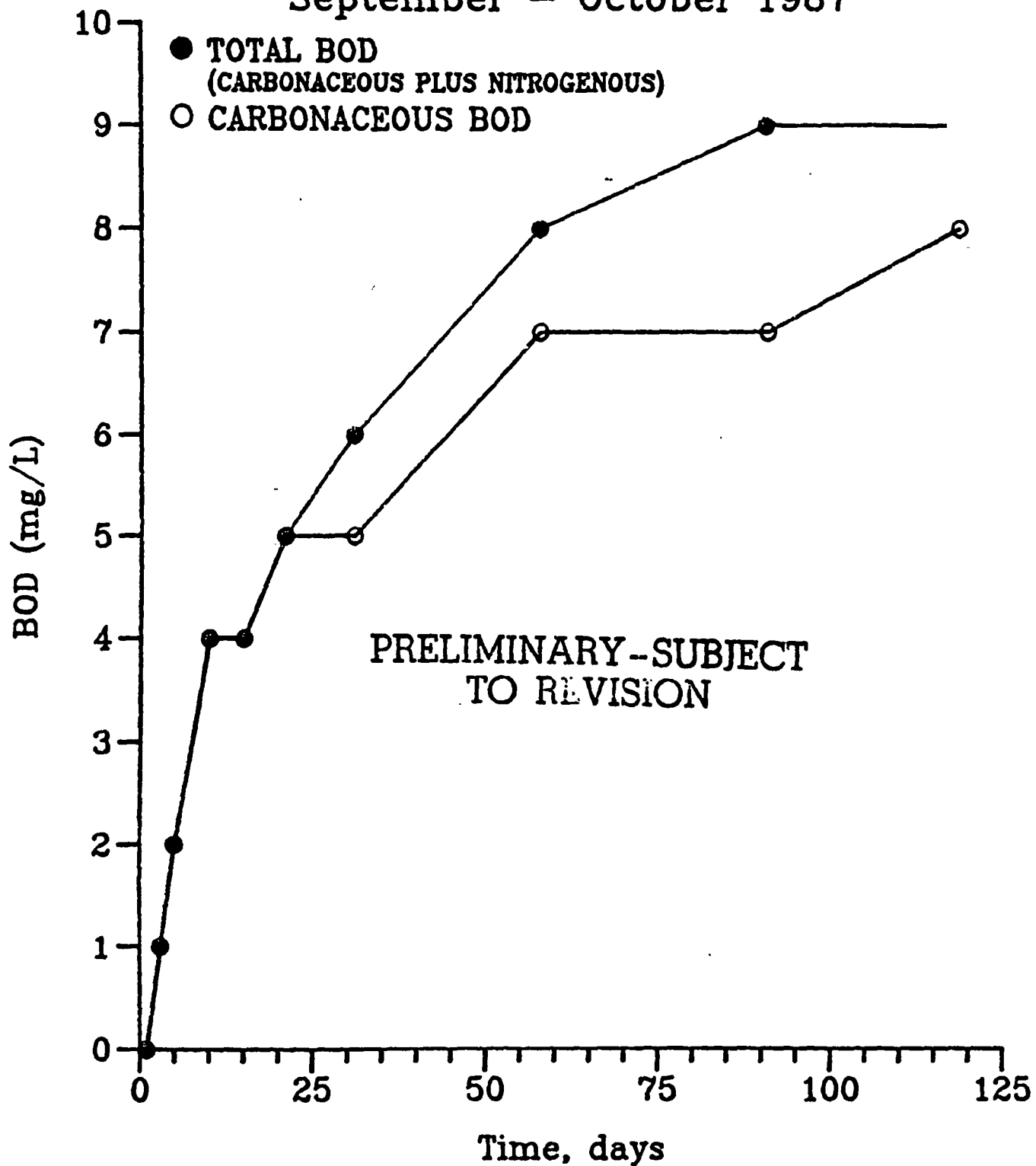


Figure
Biochemical Oxygen Demand
Station C12 HIGH SLACK
September - October 1987

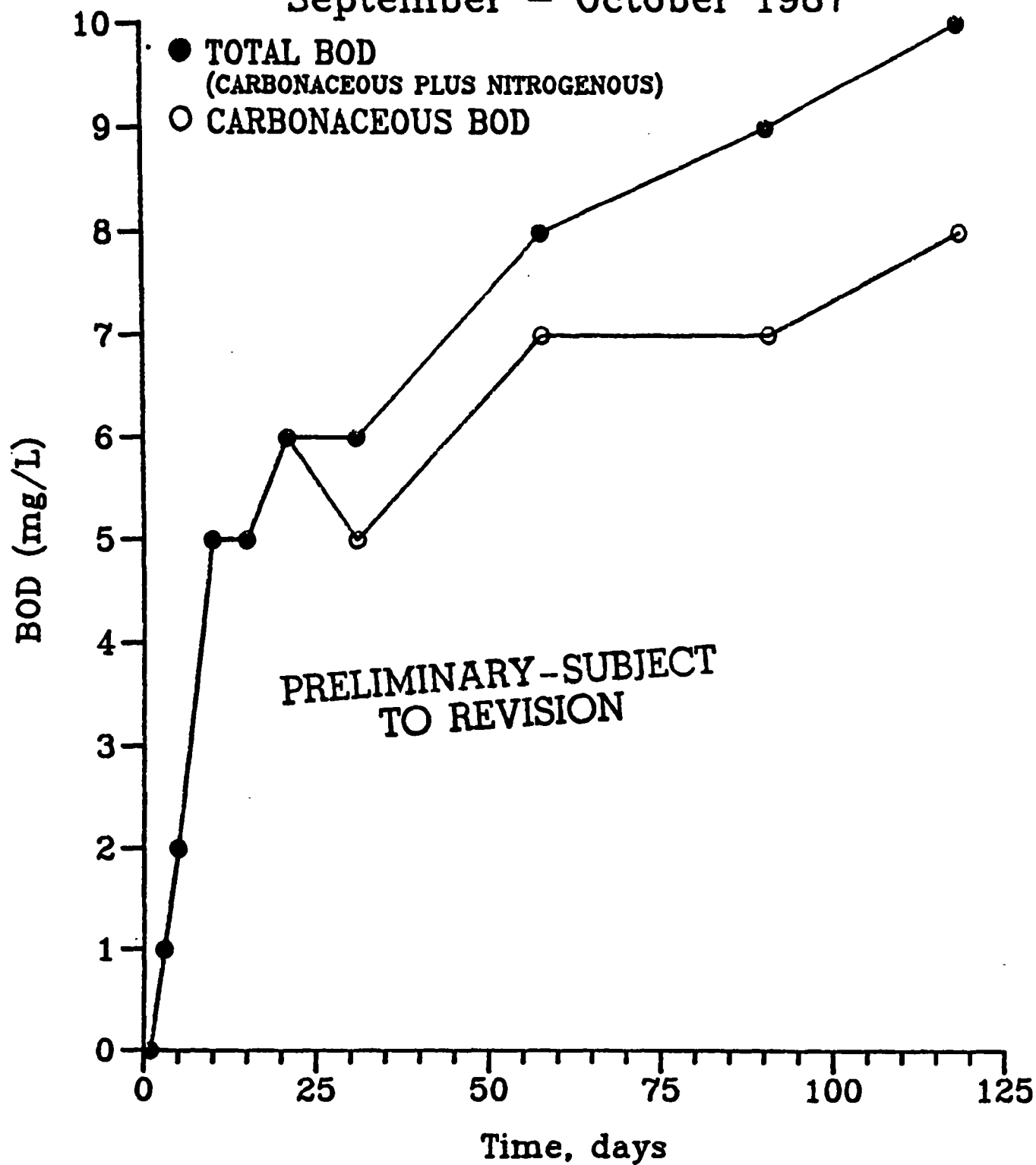


Figure
Biochemical Oxygen Demand
Station C12 LOW SLACK
September - October 1987

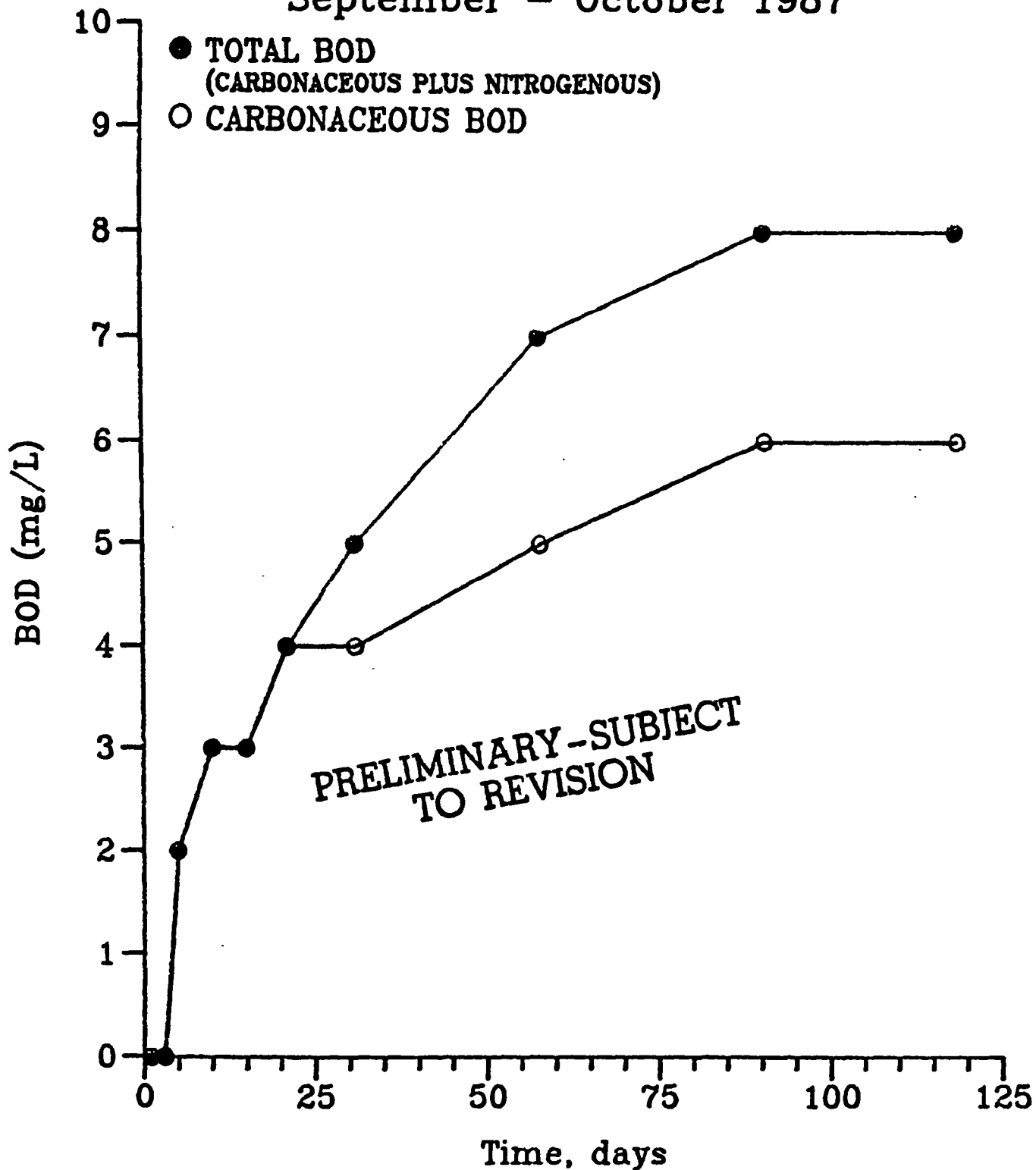


Figure
Biochemical Oxygen Demand
Station C13 HIGH SLACK
September - October 1987

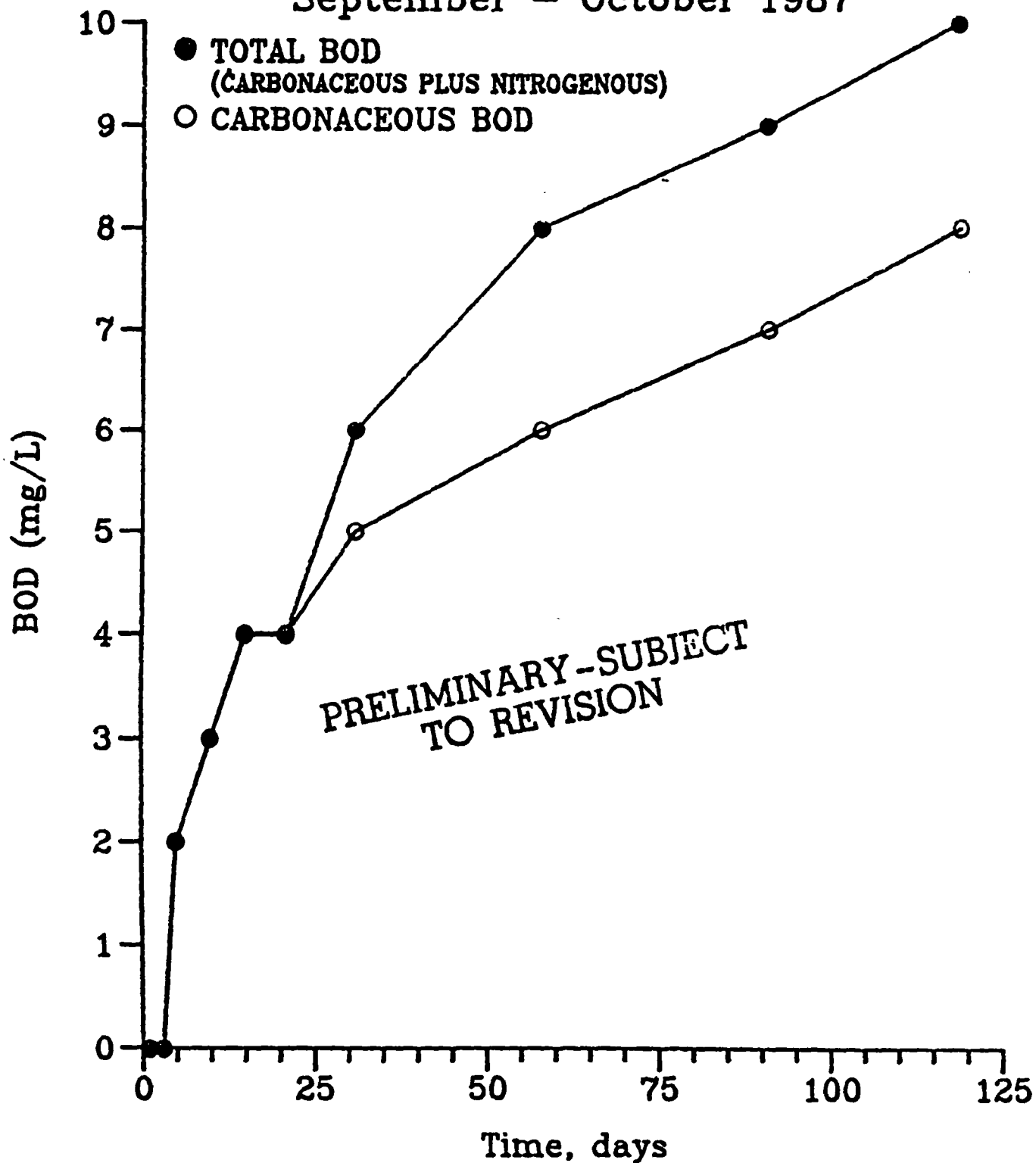


Figure
Biochemical Oxygen Demand
Station C13 LOW SLACK
September - October 1987

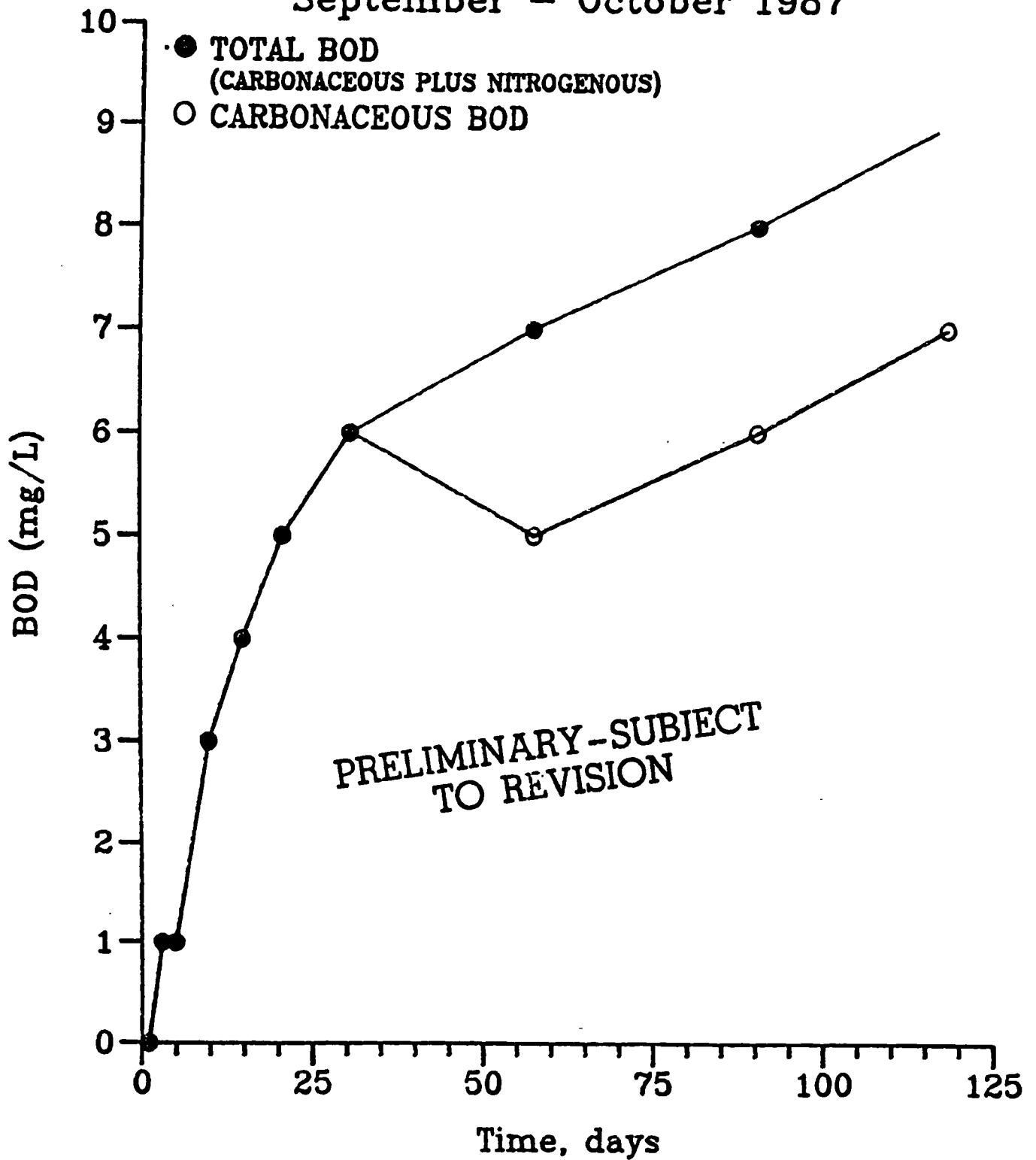


Figure
Biochemical Oxygen Demand
Station C14 HIGH SLACK
September - October 1987

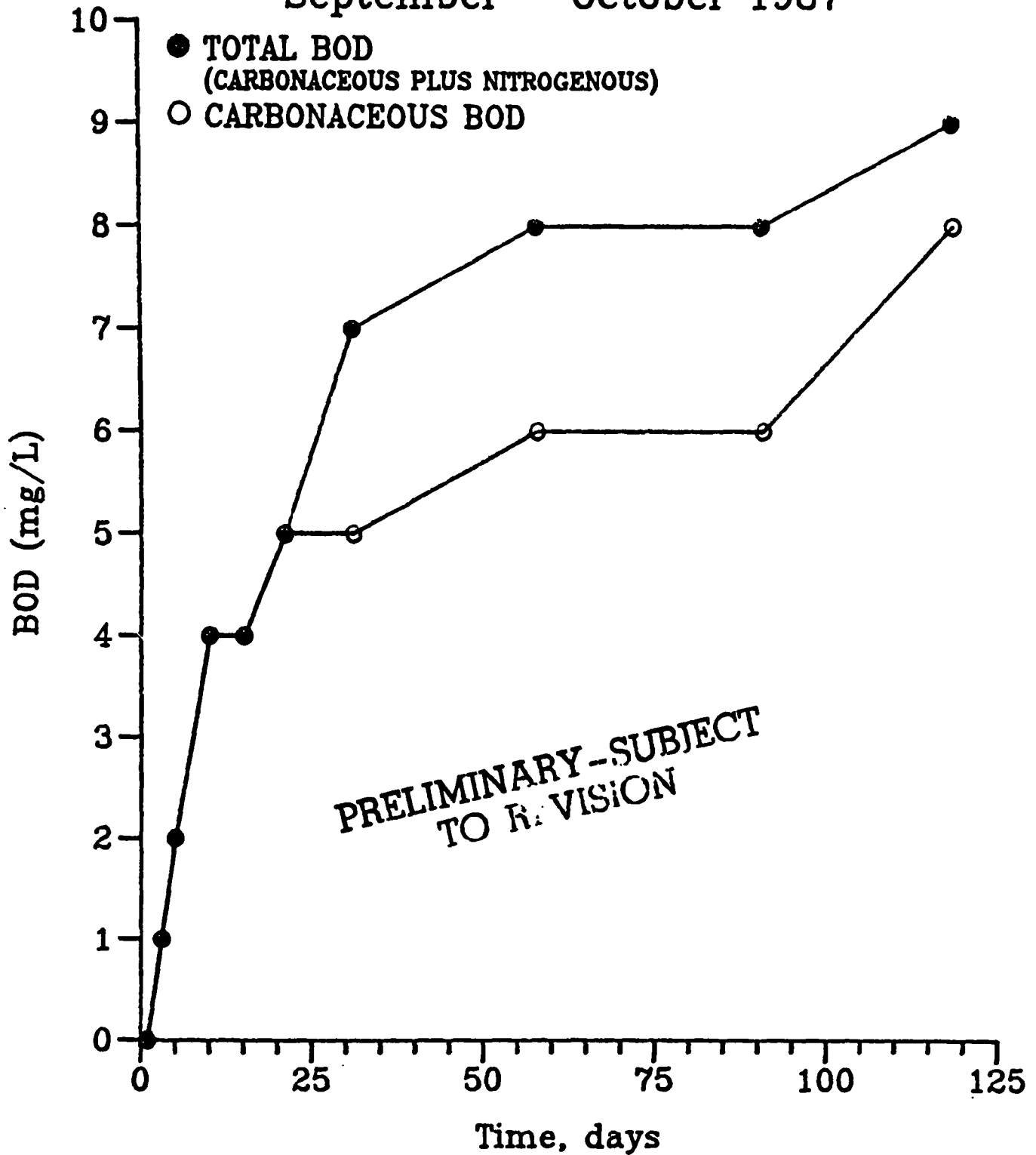


Figure
Biochemical Oxygen Demand
Station C14 LOW SLACK
September - October 1987

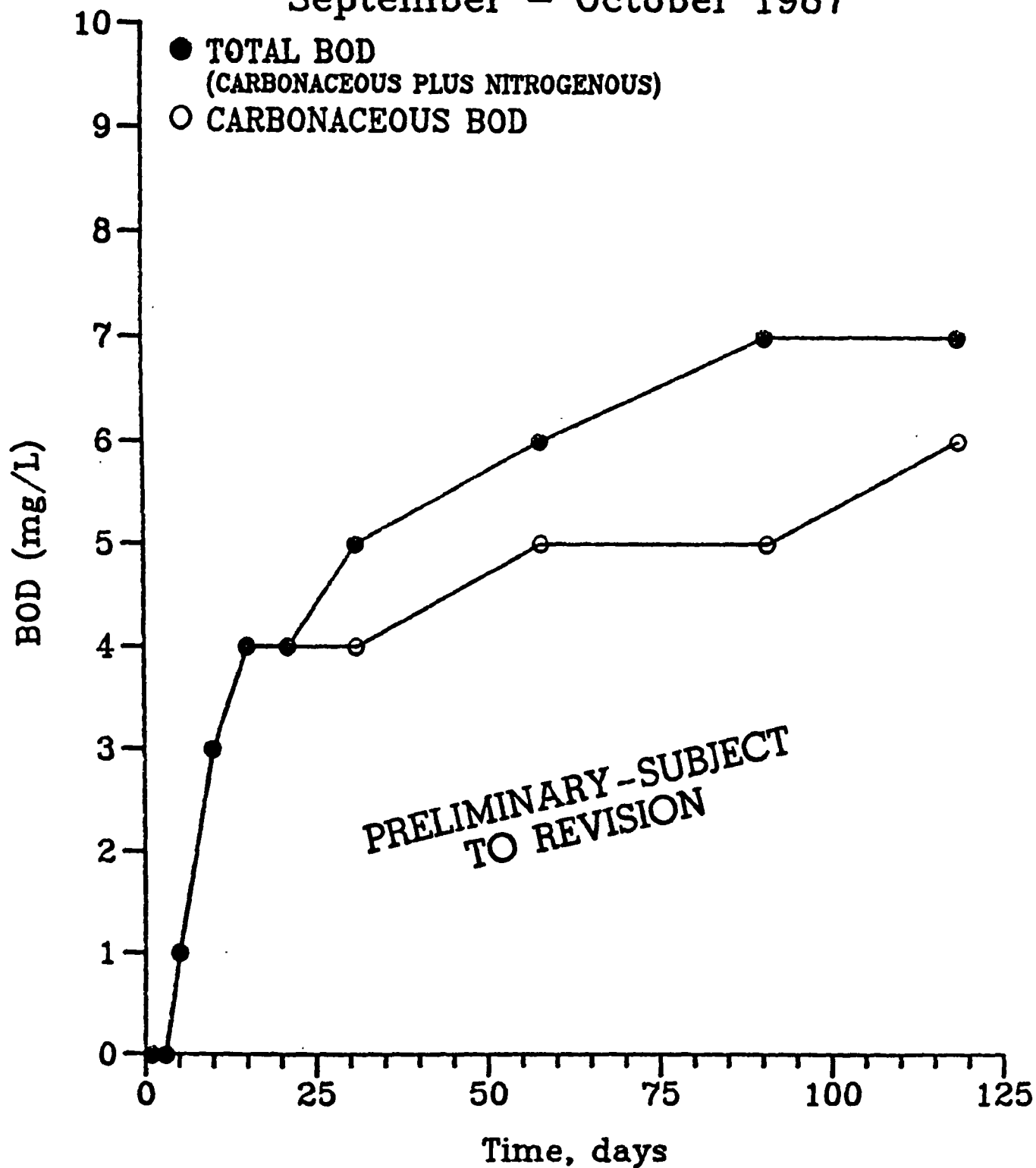


Figure
Biochemical Oxygen Demand
Station C14.5-T HIGH SLACK
September - October 1987

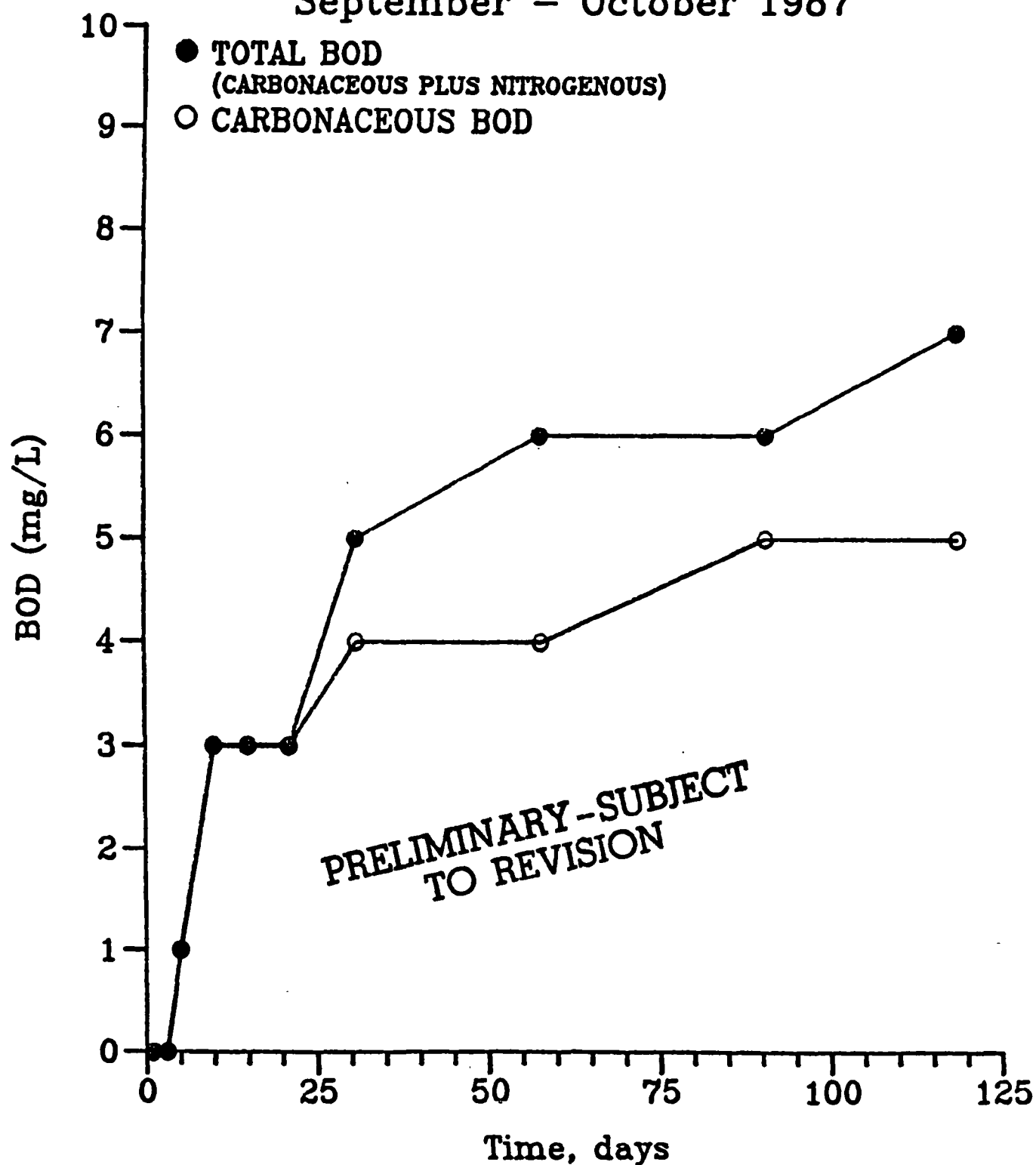


Figure
Biochemical Oxygen Demand
Station C14.5-B HIGH SLACK
September - October 1987

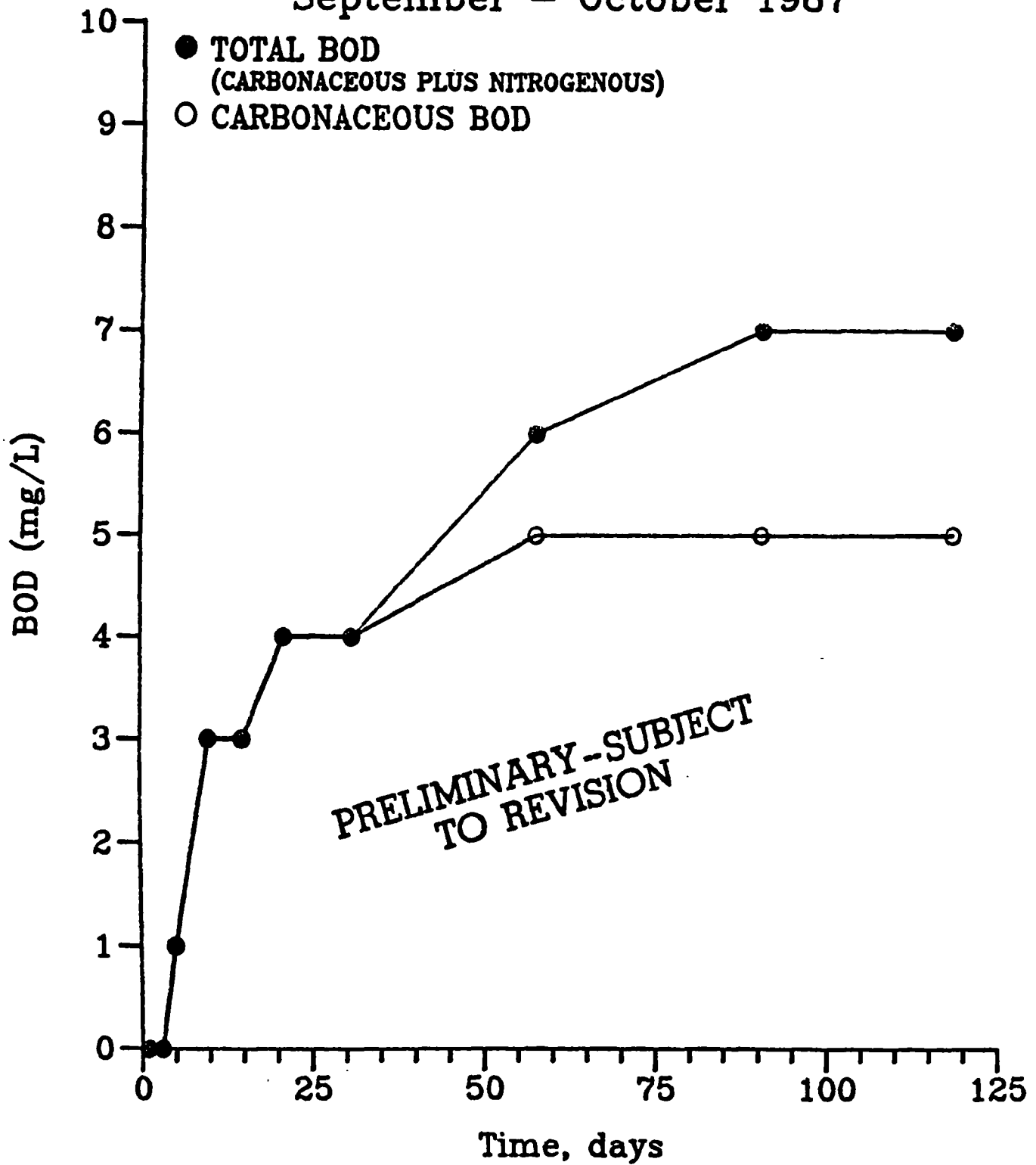


Figure
Biochemical Oxygen Demand
Station C14.5T LOW SLACK
September - October 1987

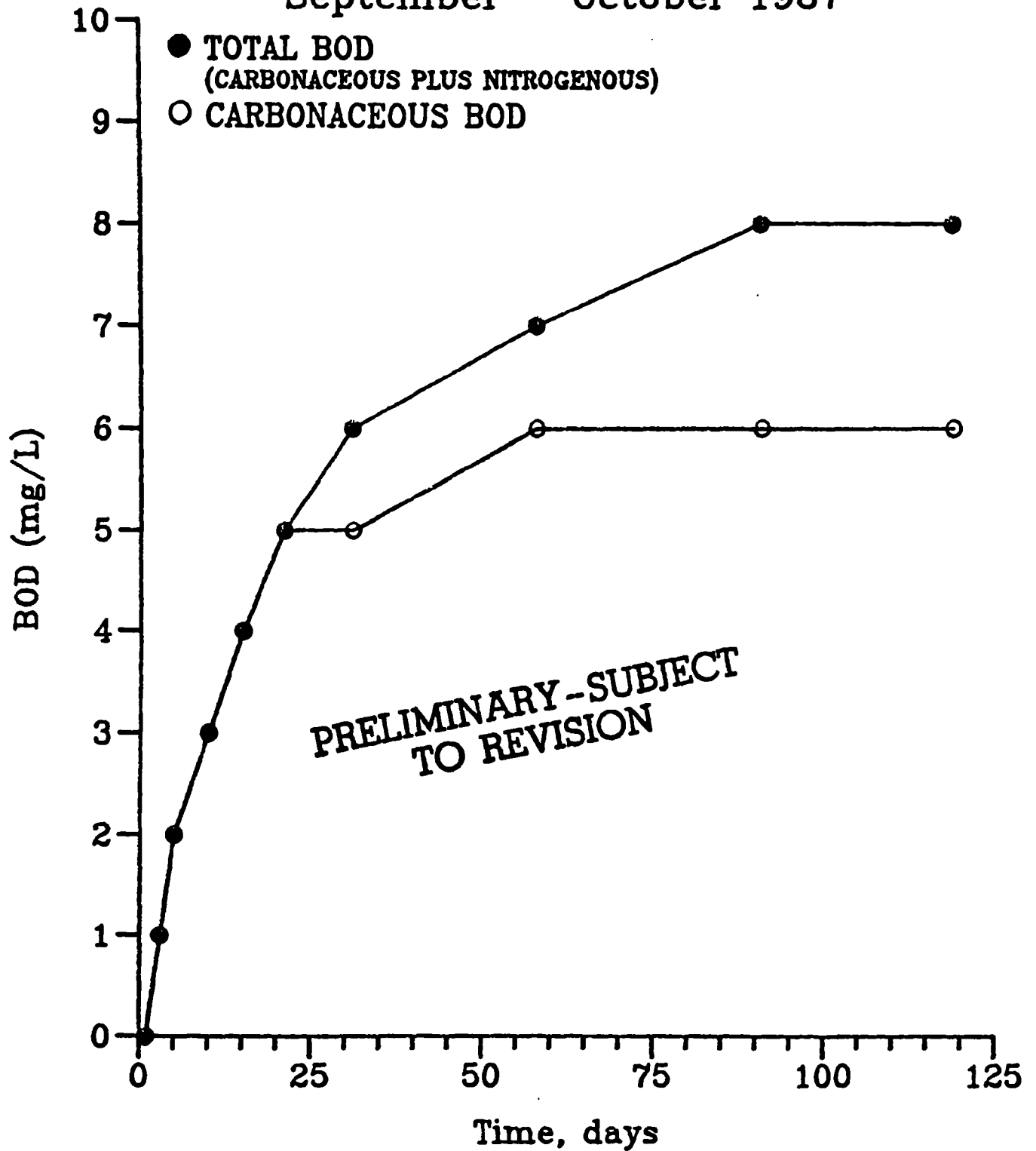


FIGURE
HYDRODYNAMIC RESULTS
STATION C-4.2
SEPTEMBER 1987

PRELIMINARY--SUBJECT
TO REVISION

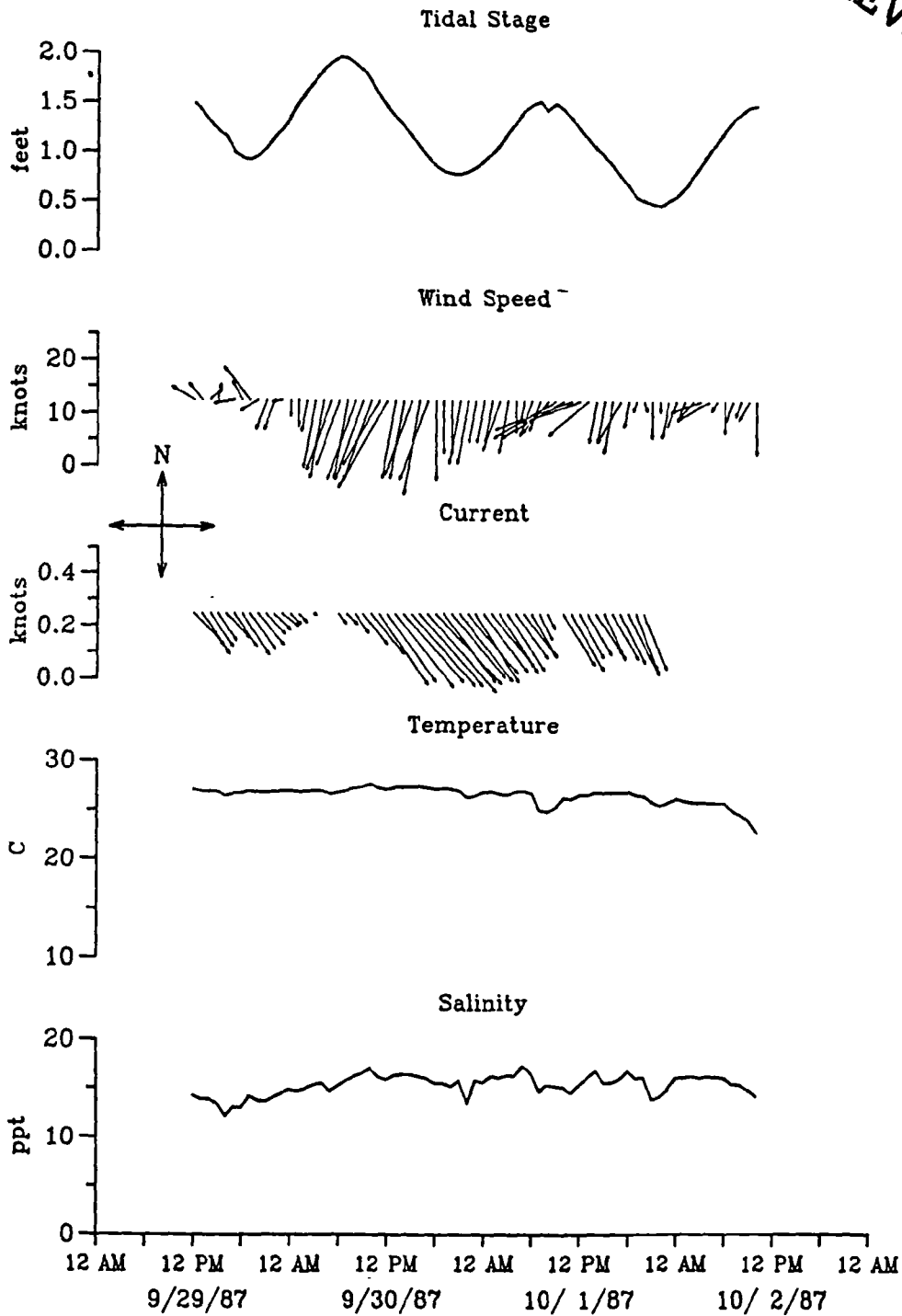


FIGURE
HYDRODYNAMIC RESULTS
STATION C14.5T
OCTOBER 1987

PRELIMINARY--SUBJECT
TO REVISION

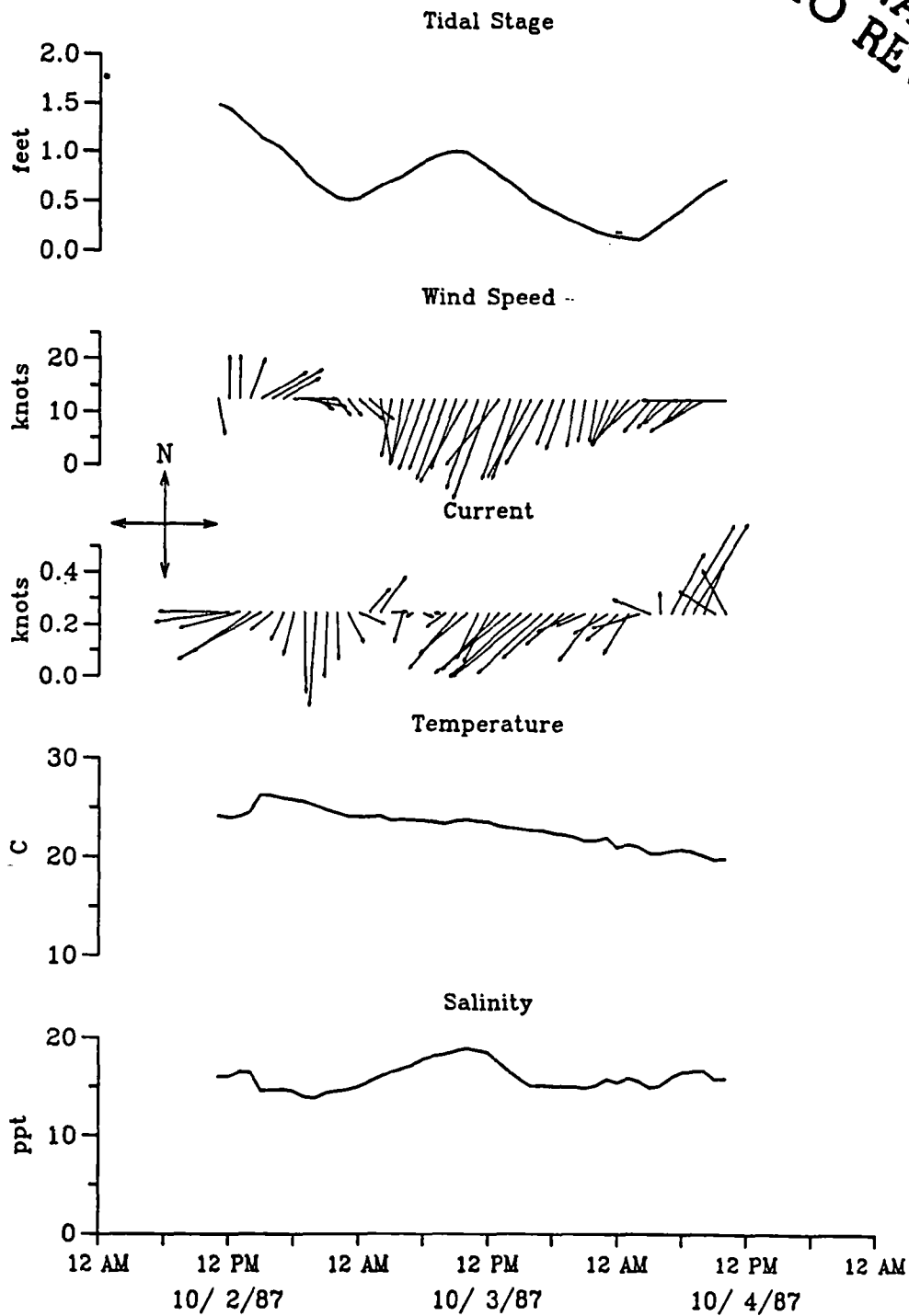


FIGURE
HYDRODYNAMIC RESULTS
STATION C14.5B
OCTOBER 1987

PRELIMINARY--SUBJEC.
TO REVISION

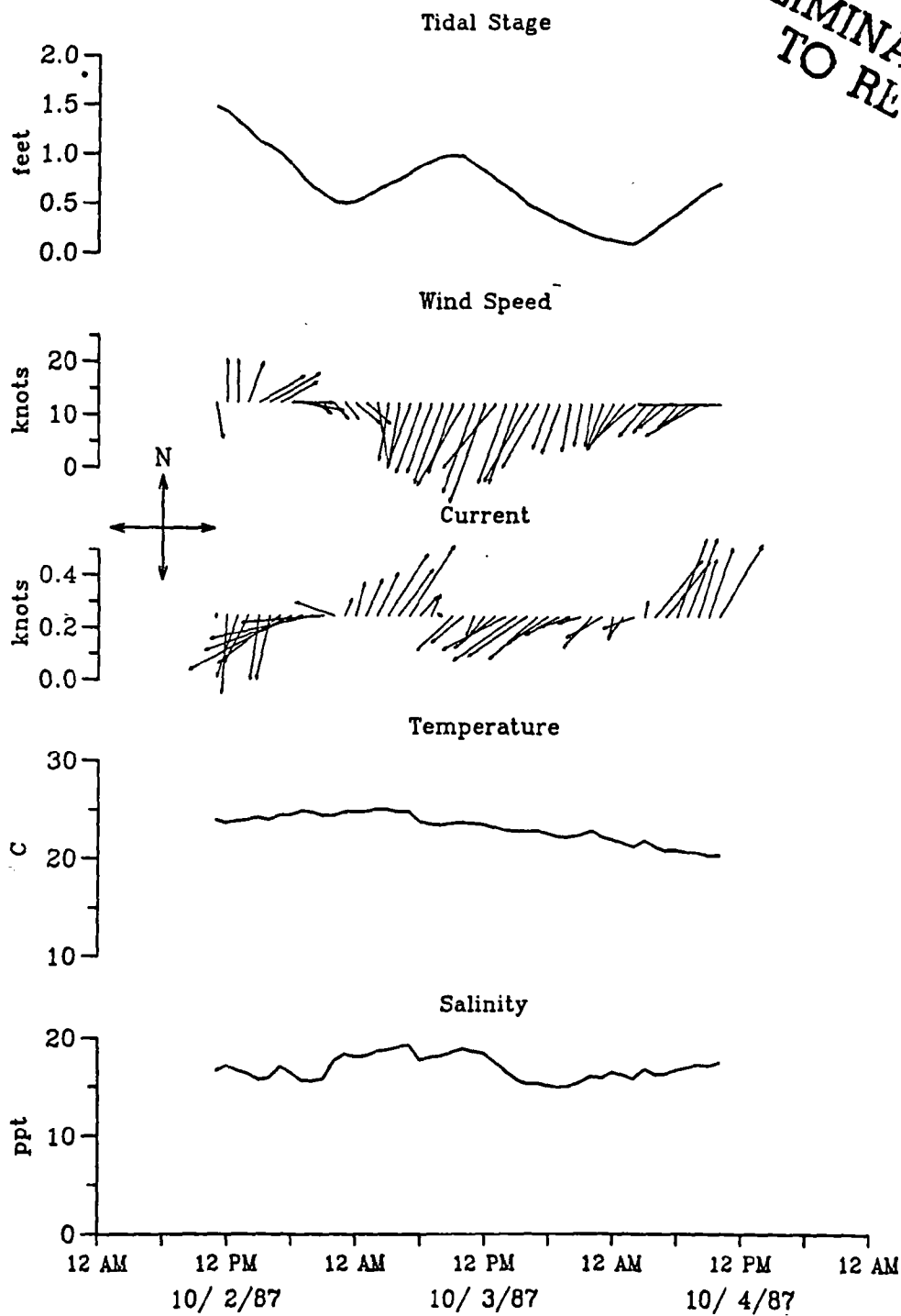


FIGURE
HYDRODYNAMIC RESULTS
STATION C-11.5
SEPTEMBER 1987

PRELIMINARY--SUBJECT
TO REVISION

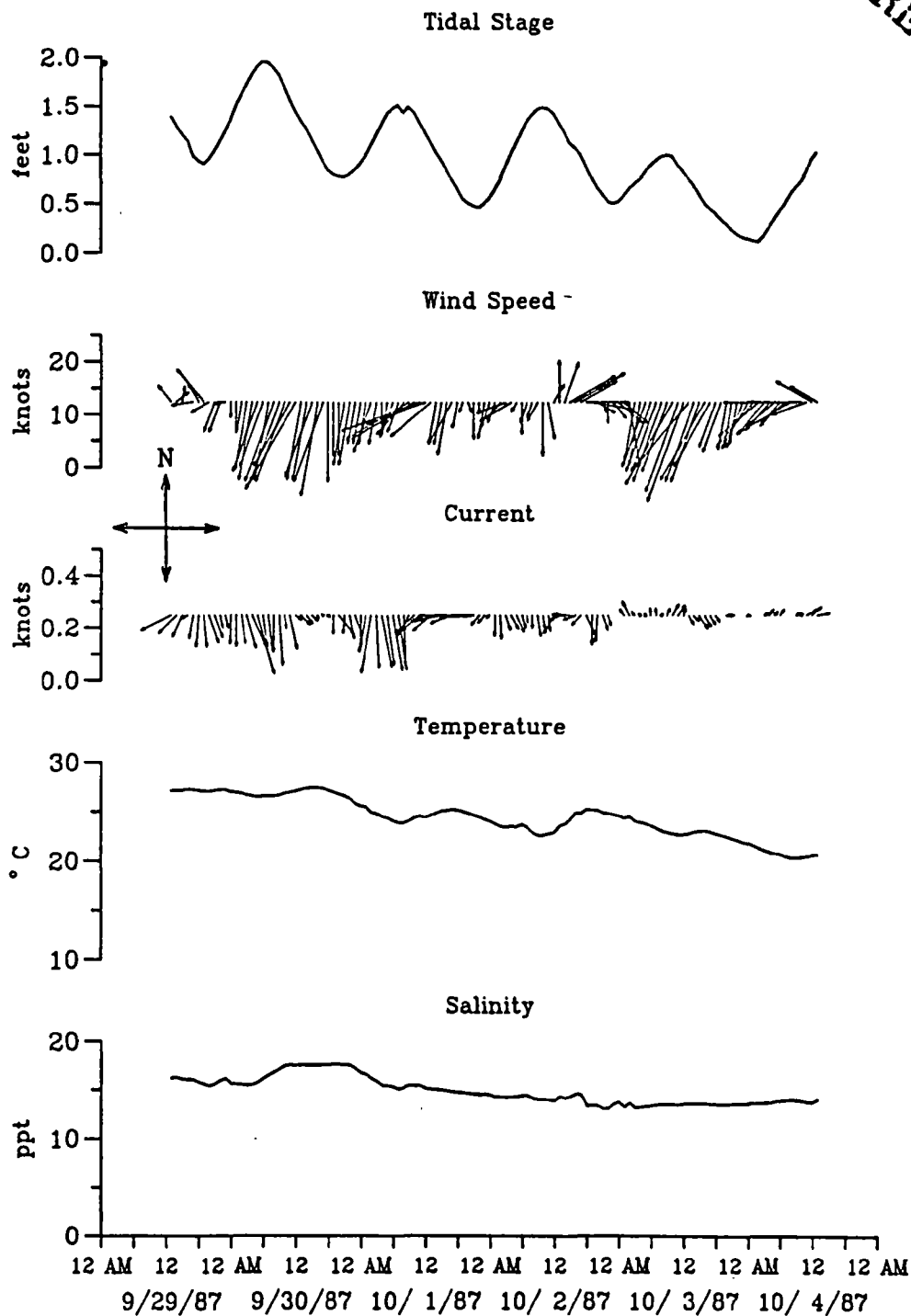


FIGURE
HYDRODYNAMIC RESULTS
STATION C-8.5
SEPTEMBER 1987

PRELIMINARY--SUBJECT
TO REVISION

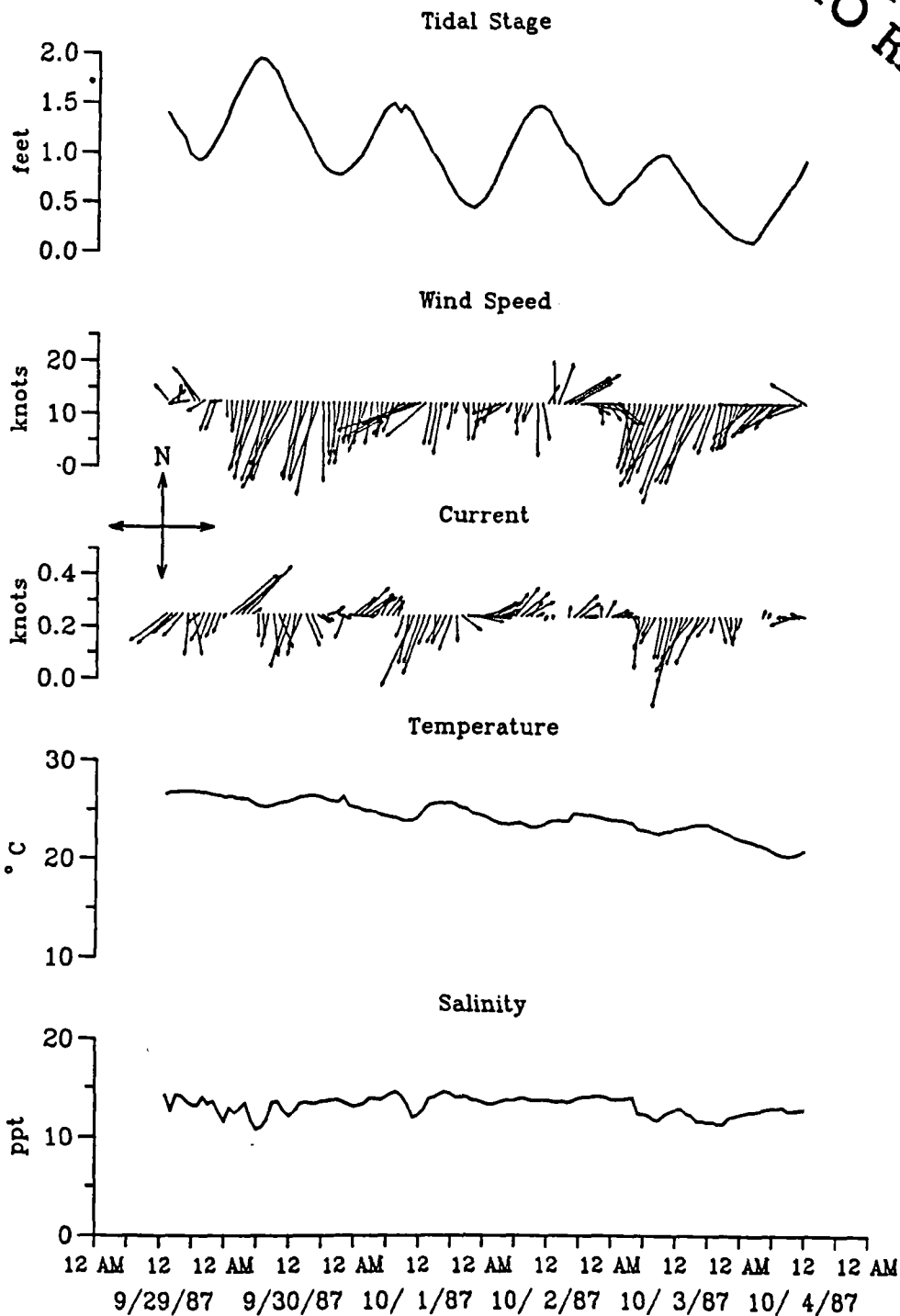
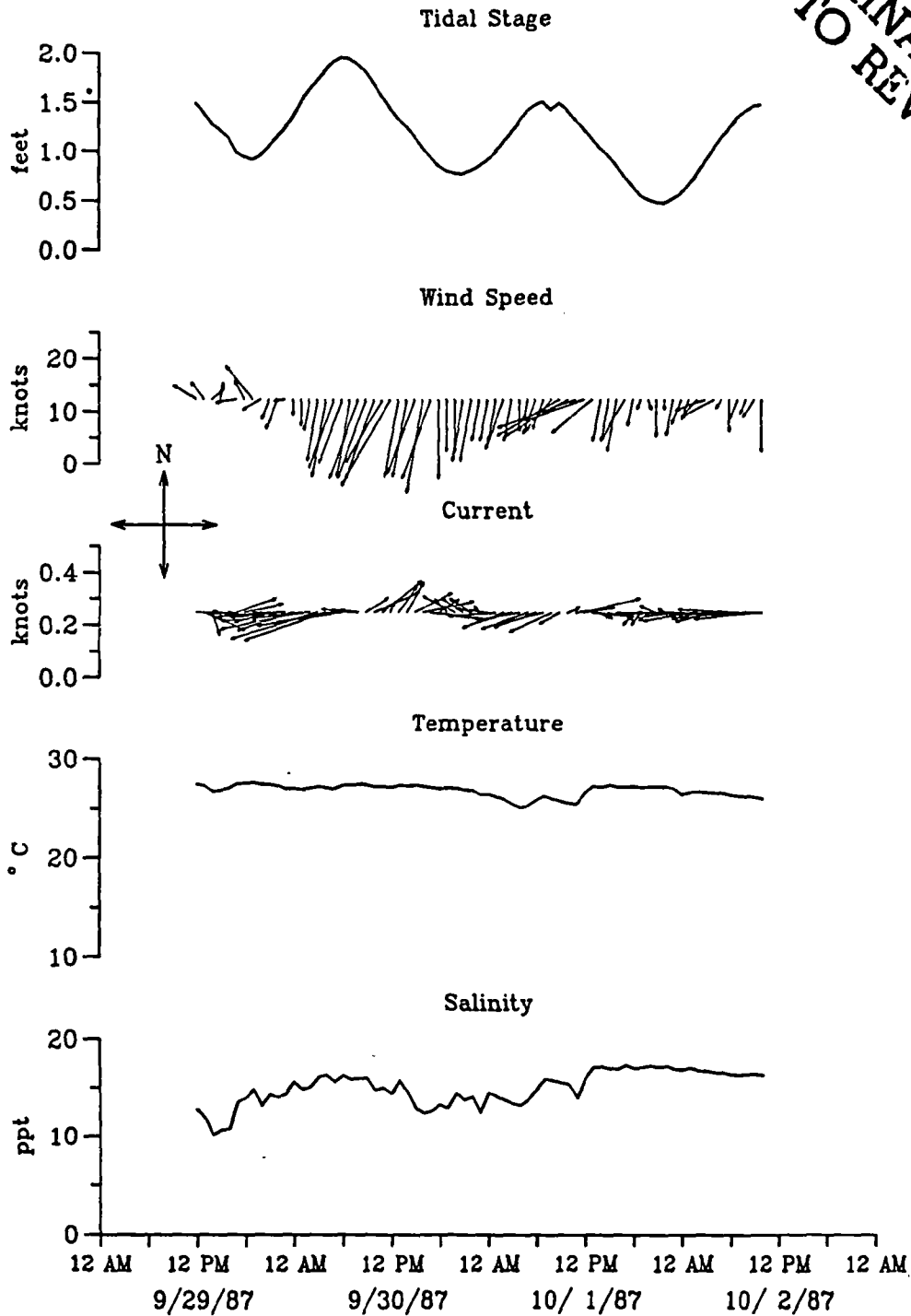


FIGURE
HYDRODYNAMIC RESULTS
STATION C-7
SEPTEMBER 1987

PRELIMINARY--SUBJECT
TO REVISION



STA.	DATE	TIME	STAGE	W.SPD.	W.DIR.	CUR.S.	CUR.D.	CUR.T.	CUR.SAL.
P-1	12/11/86	1600	1.30	10.00	170.00	.11	342.00	16.89	12.53
P-1	12/11/86	1700	1.39	12.00	170.00	.06	320.00	17.61	12.37
P-1	12/11/86	1800	1.51	10.00	170.00	.02	283.00	16.89	13.34
P-1	12/11/86	1900	1.59	8.00	190.00	.04	209.00	16.91	13.62
P-1	12/11/86	2000	1.63	7.00	200.00	.05	216.00	16.23	12.61
P-1	12/11/86	2100	1.68	5.00	210.00	.07	110.00	16.20	11.19
P-1	12/11/86	2200	1.73	4.00	200.00	.04	134.00	16.65	11.36
P-1	12/11/86	2300	1.74	5.00	190.00	.03	169.00	15.51	9.29
P-1	12/11/86	2400	1.70	5.00	170.00	.01	235.00	15.44	8.34
P-1	12/12/86	100	1.60	4.00	180.00	.03	263.00	15.66	9.17
P-1	12/12/86	200	1.52	8.00	170.00	.03	272.00	15.81	10.17
P-1	12/12/86	300	1.45	4.00	190.00	.04	11.00	15.83	9.88
P-1	12/12/86	400	1.36	7.00	160.00	.02	24.00	16.04	10.03
P-1	12/12/86	500	1.29	9.00	160.00	.04	269.00	16.22	10.68
P-1	12/12/86	600	1.20	11.00	150.00	.07	276.00	16.84	12.82
P-1	12/12/86	700	1.11	7.00	150.00	.09	268.00	17.28	15.21
P-1	12/12/86	800	1.05	6.00	150.00	.07	274.00	16.89	13.82
P-1	12/12/86	900	.98	9.00	120.00	.09	268.00	17.08	15.15
P-1	12/12/86	1000	.90	10.00	140.00	.12	292.00	16.85	15.16
P-1	12/12/86	1100	.89	15.00	140.00	.12	167.00	16.87	15.97
P-1	12/12/86	1200	.88	20.00	160.00	.09	184.00	16.79	16.19
P-1	12/12/86	1300	.81	15.00	170.00	.16	153.00	16.98	16.79
P-1	12/12/86	1400	.78	15.00	150.00	.11	105.00	16.78	15.22
C-8.5	09/29/87	1300	1.40	4.00	320.00	.18	233.00	26.57	14.34
C-8.5	09/29/87	1400	1.30	3.00	50.00	.18	229.00	26.76	12.76
C-8.5	09/29/87	1500	1.22	3.00	10.00	.12	232.00	26.76	14.30
C-8.5	09/29/87	1600	1.15	.00	180.00	.12	222.00	26.86	14.23
C-8.5	09/29/87	1700	1.00	4.00	260.00	.16	185.00	26.86	13.71
C-8.5	09/29/87	1800	.95	4.00	330.00	.16	168.00	26.86	13.34
C-8.5	09/29/87	1900	.92	8.00	320.00	.06	231.00	26.82	13.25
C-8.5	09/29/87	2000	.97	4.00	240.00	.12	207.00	26.72	14.12
C-8.5	09/29/87	2100	1.05	6.00	200.00	.11	202.00	26.63	13.38
C-8.5	09/29/87	2200	1.15	6.00	200.00	.10	201.00	26.49	13.67
C-8.5	09/29/87	2300	1.25	2.00	260.00	.08	202.00	26.47	12.58
C-8.5	09/29/87	2400	1.37	3.00	180.00	.02	213.00	26.25	11.58
C-8.5	09/30/87	100	1.52	5.00	180.00	.23	50.00	26.39	13.07
C-8.5	09/30/87	200	1.63	6.00	190.00	.16	52.00	26.25	12.46
C-8.5	09/30/87	300	1.74	13.00	190.00	.21	46.00	26.18	12.99
C-8.5	09/30/87	400	1.84	15.00	190.00	.25	43.00	26.18	13.55
C-8.5	09/30/87	500	1.92	14.00	200.00	.04	60.00	25.86	11.78
C-8.5	09/30/87	600	1.97	13.00	200.00	.09	180.00	25.53	10.82
C-8.5	09/30/87	700	1.96	15.00	190.00	.09	177.00	25.41	11.06
C-8.5	09/30/87	800	1.90	16.00	200.00	.13	193.00	25.39	11.91
C-8.5	09/30/87	900	1.83	16.00	200.00	.16	174.00	25.53	13.61
C-8.5	09/30/87	1000	1.71	16.00	200.00	.14	158.00	25.76	13.71
C-8.5	09/30/87	1100	1.58	14.00	210.00	.21	195.00	25.90	12.85
C-8.5	09/30/87	1200	1.46	19.00	210.00	.16	198.00	25.98	12.20
C-8.5	09/30/87	1300	1.36	15.00	190.00	.16	192.00	26.14	12.69
C-8.5	09/30/87	1400	1.28	15.00	190.00	.13	203.00	26.37	13.48
C-8.5	09/30/87	1500	1.17	15.00	200.00	.13	158.00	26.47	13.65
C-8.5	09/30/87	1600	1.06	18.00	190.00	.10	157.00	26.55	13.57
C-8.5	09/30/87	1700	.96	16.00	200.00	.06	118.00	26.53	13.52
C-8.5	09/30/87	1800	.87	15.00	180.00	.05	119.00	26.37	13.71
C-8.5	09/30/87	1900	.82	10.00	180.00	.05	76.00	26.18	13.77

PRELIMINARY
TO F-VISION
SURVEY

STA.	DATE	TIME	STAGE	W.SPD.	W.DIR.	CUR.S.	CUR.D.	CUR.T.	CUR.SAL.
C-8.5	09/30/87	2000	.80	10.00	180.00	.05	56.00	26.02	13.87
C-8.5	09/30/87	2100	.79	12.00	190.00	.05	107.00	25.88	13.87
C-8.5	09/30/87	2200	.82	12.00	190.00	.10	201.00	26.49	13.67
C-8.5	09/30/87	2300	.87	8.00	190.00	.10	94.00	25.55	13.45
C-8.5	09/30/87	2400	.93	8.00	190.00	.10	50.00	25.43	13.18
C-8.5	10/01/87	100	1.00	8.00	190.00	.15	47.00	25.33	13.30
C-8.5	10/01/87	200	1.10	10.00	200.00	.13	54.00	25.08	13.47
C-8.5	10/01/87	300	1.21	8.00	190.00	.12	55.00	25.08	14.01
C-8.5	10/01/87	400	1.32	6.00	180.00	.10	37.00	24.86	14.00
C-8.5	10/01/87	500	1.43	4.00	190.00	.09	28.00	24.61	13.83
C-8.5	10/01/87	600	1.49	7.00	200.00	.09	37.00	24.51	14.17
C-8.5	10/01/87	700	1.53	6.00	200.00	.07	38.00	24.41	14.47
C-8.5	10/01/87	800	1.44	8.00	220.00	.04	20.00	24.33	14.65
C-8.5	10/01/87	900	1.51	14.00	240.00	.09	200.00	24.08	14.17
C-8.5	10/01/87	1000	1.45	14.00	240.00	.19	192.00	24.06	13.31
C-8.5	10/01/87	1100	1.35	16.00	250.00	.30	205.00	24.12	12.04
C-8.5	10/01/87	1200	1.25	12.00	250.00	.19	199.00	24.43	12.33
C-8.5	10/01/87	1300	1.15	10.00	230.00	.24	201.00	25.18	12.80
C-8.5	10/01/87	1400	1.05	8.00	190.00	.12	202.00	25.74	14.00
C-8.5	10/01/87	1500	.97	8.00	190.00	.11	187.00	25.86	14.10
C-8.5	10/01/87	1600	.88	10.00	190.00	.12	208.00	25.96	14.44
C-8.5	10/01/87	1700	.77	.90	210.00	.12	208.00	25.90	14.68
C-8.5	10/01/87	1800	.67	5.00	190.00	.14	200.00	25.98	14.52
C-8.5	10/01/87	1900	.57	2.00	200.00	.10	179.00	25.78	14.15
C-8.5	10/01/87	2000	.53	2.00	160.00	.09	127.00	25.41	14.21
C-8.5	10/01/87	2100	.50	7.00	180.00	.12	91.00	25.37	14.21
C-8.5	10/01/87	2200	.48	2.00	180.00	.15	93.00	24.84	13.87
C-8.5	10/01/87	2300	.53	7.00	190.00	.10	103.00	24.80	13.85
C-8.5	10/01/87	2400	.58	5.00	200.00	.12	73.00	24.63	13.69
C-8.5	10/02/87	100	.67	4.00	200.00	.12	65.00	24.43	13.50
C-8.5	10/02/87	200	.77	4.00	220.00	.12	65.00	24.12	13.50
C-8.5	10/02/87	300	.90	6.00	250.00	.08	74.00	23.92	13.66
C-8.5	10/02/87	400	1.02	7.00	240.00	.04	80.00	23.84	13.89
C-8.5	10/02/87	500	1.13	2.00	210.00	.11	38.00	23.77	13.85
C-8.5	10/02/87	600	1.24	6.00	180.00	.14	40.00	23.88	13.83
C-8.5	10/02/87	700	1.35	4.00	200.00	.14	51.00	23.96	14.06
C-8.5	10/02/87	800	1.42	3.00	200.00	.12	63.00	23.73	14.09
C-8.5	10/02/87	900	1.48	4.00	210.00	.07	37.00	23.51	13.89
C-8.5	10/02/87	1000	1.50	10.00	180.00	.03	65.00	23.51	13.85
C-8.5	10/02/87	1100	1.49	7.00	170.00	.00	168.00	23.67	13.92
C-8.5	10/02/87	1200	1.44	4.00	30.00	.02	217.00	23.90	13.93
C-8.5	10/02/87	1300	1.34	8.00	360.00	.01	187.00	24.14	13.78
C-8.5	10/02/87	1400	1.25	8.00	20.00	.00	308.00	24.18	13.73
C-8.5	10/02/87	1500	1.14	10.00	60.00	.00	334.00	24.16	13.85
C-8.5	10/02/87	1600	1.09	11.00	60.00	.04	10.00	24.12	13.69
C-8.5	10/02/87	1700	1.02	8.00	60.00	.12	48.00	24.90	13.89
C-8.5	10/02/87	1800	.91	8.00	90.00	.09	57.00	24.86	14.16
C-8.5	10/02/87	1900	.78	8.00	100.00	.05	89.00	24.80	14.29
C-8.5	10/02/87	2000	.68	4.00	120.00	.01	103.00	24.72	14.26
C-8.5	10/02/87	2100	.61	2.00	160.00	.00	55.00	24.63	14.35
C-8.5	10/02/87	2200	.54	4.00	180.00	.04	.00	24.51	14.37
C-8.5	10/02/87	2300	.52	4.00	140.00	.07	28.00	24.37	14.28
C-8.5	10/02/87	2400	.54	6.00	130.00	.07	69.00	24.29	14.05
C-8.5	10/03/87	100	.60	6.00	130.00	.05	73.00	24.24	14.04

PRELIMINARY-SUBJECT
TO REVISION

STA.	DATE	TIME	STAGE	W.SPD.	W.DIR.	CUR.S.	CUR.D.	CUR.T.	CUR.SAL.
C-8.5	10/03/87	200	.67	12.00	170.00	.04	70.00	24.22	14.06
C-8.5	10/03/87	300	.72	11.00	190.00	.04	93.00	24.12	14.13
C-8.5	10/03/87	400	.77	12.00	190.00	.05	161.00	23.90	14.28
C-8.5	10/03/87	500	.84	13.00	200.00	.20	186.00	23.33	12.60
C-8.5	10/03/87	600	.91	14.00	200.00	.13	199.00	23.29	12.52
C-8.5	10/03/87	700	.96	14.00	200.00	.08	204.00	23.16	12.43
C-8.5	10/03/87	800	1.00	16.00	200.00	.12	210.00	23.00	11.98
C-8.5	10/03/87	900	1.02	14.00	200.00	.16	189.00	22.92	11.94
C-8.5	10/03/87	1000	1.01	18.00	210.00	.16	192.00	23.14	12.50
C-8.5	10/03/87	1100	.93	18.00	200.00	.35	192.00	23.16	12.79
C-8.5	10/03/87	1200	.86	20.00	200.00	.26	197.00	23.37	13.00
C-8.5	10/03/87	1300	.78	16.00	220.00	.19	199.00	23.43	13.13
C-8.5	10/03/87	1400	.71	16.00	200.00	.24	211.00	23.53	12.62
C-8.5	10/03/87	1500	.62	16.00	200.00	.20	218.00	23.73	12.47
C-8.5	10/03/87	1600	.53	17.00	210.00	.20	206.00	23.82	11.85
C-8.5	10/03/87	1700	.49	14.00	210.00	.11	217.00	23.80	11.88
C-8.5	10/03/87	1800	.42	9.00	200.00	.09	212.00	23.82	11.71
C-8.5	10/03/87	1900	.36	10.00	200.00	.06	193.00	23.57	11.79
C-8.5	10/03/87	2000	.31	9.00	190.00	.10	166.00	23.31	11.56
C-8.5	10/03/87	2100	.26	8.00	190.00	.11	164.00	23.06	11.55
C-8.5	10/03/87	2200	.21	8.00	190.00	.05	180.00	22.82	12.21
C-8.5	10/03/87	2300	.18	9.00	200.00	.09	187.00	22.47	12.33
C-8.5	10/03/87	2400	.16	10.00	210.00	.05	201.00	22.26	12.51
C-8.5	10/04/87	100	.14	11.00	220.00	.00	318.00	22.14	12.65
C-8.5	10/04/87	200	.13	10.00	230.00	.00	292.00	22.04	12.78
C-8.5	10/04/87	300	.20	8.00	220.00	.00	27.00	21.82	12.82
C-8.5	10/04/87	400	.28	7.00	220.00	.03	20.00	21.59	12.92
C-8.5	10/04/87	500	.36	7.00	230.00	.02	33.00	21.39	13.08
C-8.5	10/04/87	600	.44	6.00	220.00	.00	61.00	21.10	13.20
C-8.5	10/04/87	700	.52	6.00	230.00	.01	33.00	20.83	13.13
C-8.5	10/04/87	800	.61	12.00	240.00	.00	335.00	20.65	13.30
C-8.5	10/04/87	900	.68	14.00	270.00	.08	249.00	20.59	12.88
C-8.5	10/04/87	1000	.74	10.00	270.00	.05	274.00	20.69	12.91
C-8.5	10/04/87	1100	.84	7.00	250.00	.03	291.00	20.88	13.02
C-8.5	10/04/87	1200	.96	8.00	300.00	.06	286.00	21.12	13.06
C-11.5	09/29/87	1300	1.40	4.00	320.00	.13	243.00	27.18	16.25
C-11.5	09/29/87	1400	1.30	3.00	50.00	.10	225.00	27.18	16.29
C-11.5	09/29/87	1500	1.22	3.00	10.00	.09	204.00	27.18	16.10
C-11.5	09/29/87	1600	1.15	.00	180.00	.03	242.00	27.30	16.06
C-11.5	09/29/87	1700	1.00	4.00	260.00	.09	190.00	27.28	16.05
C-11.5	09/29/87	1800	.95	4.00	330.00	.12	185.00	27.18	15.77
C-11.5	09/29/87	1900	.92	8.00	320.00	.12	174.00	27.11	15.59
C-11.5	09/29/87	2000	.97	4.00	240.00	.11	161.00	27.09	15.40
C-11.5	09/29/87	2100	1.05	6.00	200.00	.09	160.00	27.18	15.57
C-11.5	09/29/87	2200	1.15	6.00	200.00	.05	167.00	27.28	15.97
C-11.5	09/29/87	2300	1.25	2.00	260.00	.05	167.00	27.28	16.17
C-11.5	09/29/87	2400	1.37	3.00	180.00	.11	182.00	27.05	15.63
C-11.5	09/30/87	100	1.52	5.00	180.00	.12	180.00	26.95	15.55
C-11.5	09/30/87	200	1.63	6.00	190.00	.11	172.00	26.87	15.53
C-11.5	09/30/87	300	1.74	13.00	190.00	.13	164.00	26.70	15.45
C-11.5	09/30/87	400	1.84	15.00	190.00	.13	156.00	26.60	15.50
C-11.5	09/30/87	500	1.92	14.00	200.00	.23	164.00	26.50	15.72
C-11.5	09/30/87	600	1.97	13.00	200.00	.12	172.00	26.60	16.15
C-11.5	09/30/87	700	1.96	15.00	190.00	.12	173.00	26.60	16.50

PRELIMINARY-SUBJECT
TO R VISION

STA.	DATE	TI E	STAGE	W.SPD.	W.DIR.	CUR.S.	CUR.D.	CUR.T.	CUR.SAL.
C-11.5	09/30/87	800	1.90	16.00	200.00	.14	181.00	26.60	16.30
C-11.5	09/30/87	900	1.83	16.00	200.00	.19	176.00	26.68	17.12
C-11.5	09/30/87	1000	1.71	16.00	200.00	.05	172.00	26.89	17.49
C-11.5	09/30/87	1100	1.58	14.00	210.00	.13	168.00	26.99	17.57
C-11.5	09/30/87	1200	1.46	19.00	210.00	.03	129.00	27.09	17.52
C-11.5	09/30/87	1300	1.36	15.00	190.00	.05	137.00	27.28	17.55
C-11.5	09/30/87	1400	1.28	15.00	190.00	.04	144.00	27.40	17.55
C-11.5	09/30/87	1500	1.17	15.00	200.00	.03	135.00	27.48	17.57
C-11.5	09/30/87	1600	1.06	18.00	190.00	.02	177.00	27.48	17.57
C-11.5	09/30/87	1700	.96	16.00	200.00	.01	316.00	27.38	17.61
C-11.5	09/30/87	1800	.87	15.00	180.00	.01	138.00	27.18	17.58
C-11.5	09/30/87	1900	.82	10.00	180.00	.07	180.00	26.99	17.66
C-11.5	09/30/87	2000	.80	10.00	180.00	.09	141.00	26.80	17.63
C-11.5	09/30/87	2100	.79	12.00	190.00	.07	184.00	26.60	17.60
C-11.5	09/30/87	2200	.82	12.00	190.00	.09	169.00	26.35	17.57
C-11.5	09/30/87	2300	.87	8.00	190.00	.08	160.00	25.83	17.22
C-11.5	09/30/87	2400	.93	8.00	190.00	.12	180.00	25.61	16.77
C-11.5	10/01/87	100	1.00	8.00	190.00	.14	191.00	25.52	16.66
C-11.5	10/01/87	200	1.10	10.00	200.00	.22	190.00	24.99	16.20
C-11.5	10/01/87	300	1.21	8.00	190.00	.20	177.00	24.84	15.93
C-11.5	10/01/87	400	1.32	6.00	180.00	.20	169.00	24.56	15.47
C-11.5	10/01/87	500	1.43	4.00	190.00	.19	172.00	24.43	15.45
C-11.5	10/01/87	600	1.49	7.00	200.00	.21	170.00	24.12	15.37
C-11.5	10/01/87	700	1.53	6.00	200.00	.21	171.00	23.92	15.09
C-11.5	10/01/87	800	1.44	8.00	220.00	.19	178.00	23.88	15.30
C-11.5	10/01/87	900	1.51	14.00	240.00	.09	210.00	24.08	15.51
C-11.5	10/01/87	1000	1.45	14.00	240.00	.10	228.00	24.45	15.45
C-11.5	10/01/87	1100	1.35	16.00	250.00	.09	229.00	24.62	15.49
C-11.5	10/01/87	1200	1.25	12.00	250.00	.06	244.00	24.47	15.20
C-11.5	10/01/87	1300	1.15	10.00	230.00	.09	228.00	24.66	15.10
C-11.5	10/01/87	1400	1.05	8.00	190.00	.09	254.00	24.88	15.07
C-11.5	10/01/87	1500	.97	8.00	190.00	.09	257.00	25.11	15.00
C-11.5	10/01/87	1600	.88	10.00	190.00	.10	269.00	25.15	14.93
C-11.5	10/01/87	1700	.77	9.00	210.00	.09	249.00	25.26	14.84
C-11.5	10/01/87	1800	.67	5.00	190.00	.07	259.00	25.19	14.76
C-11.5	10/01/87	1900	.57	2.00	200.00	.05	263.00	25.03	14.71
C-11.5	10/01/87	2000	.53	2.00	160.00	.05	262.00	24.86	14.64
C-11.5	10/01/87	2100	.50	7.00	180.00	.04	260.00	24.66	14.57
C-11.5	10/01/87	2200	.48	2.00	180.00	.05	218.00	24.51	14.52
C-11.5	10/01/87	2300	.53	7.00	190.00	.04	220.00	24.25	14.55
C-11.5	10/01/87	2400	.58	5.00	200.00	.02	228.00	24.08	14.51
C-11.5	10/02/87	100	.67	4.00	200.00	.08	181.00	23.79	14.30
C-11.5	10/02/87	200	.77	4.00	220.00	.09	177.00	23.56	14.29
C-11.5	10/02/87	300	.90	6.00	250.00	.06	162.00	23.44	14.22
C-11.5	10/02/87	400	1.02	7.00	240.00	.06	152.00	23.56	14.28
C-11.5	10/02/87	500	1.13	2.00	210.00	.07	155.00	23.50	14.31
C-11.5	10/02/87	600	1.24	6.00	180.00	.05	162.00	23.75	14.45
C-11.5	10/02/87	700	1.35	4.00	200.00	.03	174.00	23.44	14.45
C-11.5	10/02/87	800	1.42	3.00	200.00	.05	179.00	22.93	14.18
C-11.5	10/02/87	900	1.48	4.00	210.00	.08	171.00	22.66	14.06
C-11.5	10/02/87	1000	1.50	10.00	180.00	.05	171.00	22.64	14.02
C-11.5	10/02/87	1100	1.49	7.00	170.00	.06	173.00	22.82	14.03
C-11.5	10/02/87	1200	1.44	4.00	30.00	.08	209.00	22.90	13.90
C-11.5	10/02/87	1300	1.34	8.00	360.00	.04	242.00	23.61	14.38

PRELIMINARY - SUBJECT
TO REVISION

STA.	DATE	TIME	STAGE	W.SPD.	W.DIR.	CUR.S.	CUR.D.	CUR.T.	CUR.SAL.
C-11.5	10/02/87	1400	1.25	8.00	20.00	.05	277.00	23.79	14.18
C-11.5	10/02/87	1500	1.14	10.00	60.00	.06	278.00	24.27	14.36
C-11.5	10/02/87	1600	1.09	11.00	60.00	.05	251.00	24.95	14.64
C-11.5	10/02/87	1700	1.02	8.00	60.00	.05	223.00	24.88	14.55
C-11.5	10/02/87	1800	.91	8.00	90.00	.08	156.00	25.34	13.40
C-11.5	10/02/87	1900	.78	8.00	100.00	.11	180.00	25.24	13.43
C-11.5	10/02/87	2000	.68	4.00	120.00	.10	184.00	25.22	13.44
C-11.5	10/02/87	2100	.61	2.00	160.00	.06	161.00	24.97	13.10
C-11.5	10/02/87	2200	.54	4.00	180.00	.04	163.00	24.89	13.12
C-11.5	10/02/87	2300	.52	4.00	140.00	.00	168.00	24.76	13.58
C-11.5	10/02/87	2400	.54	6.00	130.00	.00	232.00	24.66	13.81
C-11.5	10/03/87	100	.60	6.00	130.00	.03	327.00	24.39	13.25
C-11.5	10/03/87	200	.67	12.00	170.00	.06	333.00	24.58	13.70
C-11.5	10/03/87	300	.72	11.00	190.00	.02	323.00	24.10	13.16
C-11.5	10/03/87	400	.77	12.00	190.00	.01	317.00	23.98	13.25
C-11.5	10/03/87	500	.84	13.00	200.00	.01	356.00	23.83	13.33
C-11.5	10/03/87	600	.91	14.00	200.00	.03	355.00	23.63	13.38
C-11.5	10/03/87	700	.96	14.00	200.00	.03	359.00	23.40	13.47
C-11.5	10/03/87	800	1.00	16.00	200.00	.01	27.00	23.11	13.56
C-11.5	10/03/87	900	1.02	14.00	200.00	.03	21.00	22.95	13.54
C-11.5	10/03/87	1000	1.01	18.00	210.00	.05	28.00	22.84	13.54
C-11.5	10/03/87	1100	.93	18.00	200.00	.05	33.00	22.72	13.47
C-11.5	10/03/87	1200	.86	20.00	200.00	.03	17.00	22.74	13.57
C-11.5	10/03/87	1300	.78	16.00	220.00	.04	147.00	22.82	13.65
C-11.5	10/03/87	1400	.71	16.00	200.00	.03	136.00	22.99	13.59
C-11.5	10/03/87	1500	.62	16.00	200.00	.06	147.00	23.09	13.59
C-11.5	10/03/87	1600	.53	17.00	210.00	.05	150.00	23.11	13.66
C-11.5	10/03/87	1700	.47	14.00	210.00	.04	150.00	23.01	13.58
C-11.5	10/03/87	1800	.42	9.00	200.00	.03	148.00	22.82	13.54
C-11.5	10/03/87	1900	.36	10.00	200.00	.00	127.00	22.68	13.50
C-11.5	10/03/87	2000	.31	9.00	190.00	.02	79.00	22.51	13.53
C-11.5	10/03/87	2100	.26	8.00	190.00	.01	79.00	22.33	13.55
C-11.5	10/03/87	2200	.21	8.00	190.00	.00	135.00	22.18	13.60
C-11.5	10/03/87	2300	.18	9.00	200.00	.00	343.00	21.96	13.59
C-11.5	10/03/87	2400	.16	10.00	210.00	.01	113.00	21.85	13.63
C-11.5	10/04/87	100	.14	11.00	220.00	.00	76.00	21.61	13.65
C-11.5	10/04/87	200	.13	10.00	230.00	.00	184.00	21.34	13.67
C-11.5	10/04/87	300	.20	8.00	220.00	.02	61.00	21.13	13.69
C-11.5	10/04/87	400	.28	7.00	220.00	.03	35.00	20.94	13.69
C-11.5	10/04/87	500	.36	7.00	230.00	.02	39.00	20.82	13.84
C-11.5	10/04/87	600	.44	6.00	220.00	.03	36.00	20.74	13.87
C-11.5	10/04/87	700	.52	6.00	230.00	.00	87.00	20.51	13.94
C-11.5	10/04/87	800	.61	12.00	240.00	.00	64.00	20.39	13.98
C-11.5	10/04/87	900	.68	14.00	270.00	.02	62.00	20.39	13.95
C-11.5	10/04/87	1000	.74	10.00	270.00	.01	49.00	20.41	13.86
C-11.5	10/04/87	1100	.84	7.00	250.00	.05	60.00	20.47	13.74
C-11.5	10/04/87	1200	.96	8.00	300.00	.05	48.00	20.64	13.69
C-11.5	10/04/87	1300	1.04	6.00	300.00	.05	79.00	20.68	14.00
C-7	09/29/87	1200	1.50	5.00	300.00	.26	93.00	27.49	12.79
C-7	09/29/87	1300	1.40	4.00	320.00	.17	114.00	27.32	11.85
C-7	09/29/87	1400	1.30	3.00	50.00	.09	163.00	26.77	10.12
C-7	09/29/87	1500	1.22	3.00	10.00	.03	279.00	26.89	10.69
C-7	09/29/87	1600	1.15	.00	180.00	.07	102.00	27.08	10.75
C-7	09/29/87	1700	1.00	4.00	260.00	.16	71.00	27.55	13.51

PRELIMINARY--SUBJECT
TO REVISION

STA.	DATE	TIME	STAGE	W.SPD.	W.DIR.	CUR.S.	CUR.D.	CUR.T.	CUR.SAL.
C-7	09/29/87	1800	.95	4.00	330.00	.15	78.00	27.59	13.98
C-7	09/29/87	1900	.92	8.00	320.00	.09	96.00	27.65	14.86
C-7	09/29/87	2000	.97	4.00	240.00	.05	217.00	27.49	13.11
C-7	09/29/87	2100	1.05	4.00	200.00	.14	253.00	27.47	14.39
C-7	09/29/87	2200	1.15	6.00	200.00	.18	263.00	27.36	14.04
C-7	09/29/87	2300	1.25	2.00	260.00	.26	266.00	27.04	14.41
C-7	09/29/87	2400	1.37	3.00	180.00	.23	252.00	27.10	15.63
C-7	09/30/87	100	1.52	5.00	180.00	.32	258.00	27.00	14.85
C-7	09/30/87	200	1.63	6.00	190.00	.34	264.00	27.10	15.08
C-7	09/30/87	300	1.74	12.00	190.00	.35	253.00	27.28	16.16
C-7	09/30/87	400	1.84	15.00	190.00	.33	251.00	27.18	16.33
C-7	09/30/87	500	1.92	14.00	200.00	.30	260.00	27.04	15.60
C-7	09/30/87	600	1.97	13.00	200.00	.16	261.00	27.39	16.27
C-7	09/30/87	700	1.96	15.00	190.00	.11	277.00	27.45	15.87
C-7	09/30/87	800	1.90	16.00	200.00	.07	276.00	27.51	16.01
C-7	09/30/87	900	1.83	16.00	200.00	.10	57.00	27.45	15.99
C-7	09/30/87	1000	1.71	16.00	200.00	.19	66.00	27.24	14.73
C-7	09/30/87	1100	1.58	14.00	210.00	.19	52.00	27.34	15.03
C-7	09/30/87	1200	1.46	19.00	210.00	.04	21.00	27.14	14.37
C-7	09/30/87	1300	1.36	15.00	190.00	.12	36.00	27.41	15.75
C-7	09/30/87	1400	1.28	15.00	190.00	.13	30.00	27.36	14.52
C-7	09/30/87	1500	1.17	15.00	200.00	.16	63.00	27.45	12.89
C-7	09/30/87	1600	1.06	18.00	190.00	.20	78.00	27.30	12.37
C-7	09/30/87	1700	.96	16.00	200.00	.19	97.00	27.22	12.60
C-7	09/30/87	1800	.87	15.00	180.00	.09	57.00	27.12	13.30
C-7	09/30/87	1900	.82	10.00	180.00	.07	317.00	27.14	12.87
C-7	09/30/87	2000	.80	10.00	180.00	.14	296.00	27.16	14.46
C-7	09/30/87	2100	.79	12.00	190.00	.10	302.00	26.98	13.73
C-7	09/30/87	2200	.82	12.00	190.00	.10	302.00	26.93	14.14
C-7	09/30/87	2300	.87	8.00	190.00	.03	318.00	26.46	12.46
C-7	09/30/87	2400	.93	8.00	190.00	.12	277.00	26.51	14.53
C-7	10/01/87	100	1.00	8.00	190.00	.18	265.00	26.26	14.14
C-7	10/01/87	200	1.10	10.00	200.00	.17	250.00	25.95	13.75
C-7	10/01/87	300	1.21	8.00	190.00	.14	255.00	25.48	13.40
C-7	10/01/87	400	1.32	6.00	180.00	.16	260.00	25.13	13.21
C-7	10/01/87	500	1.43	4.00	190.00	.19	251.00	25.30	13.88
C-7	10/01/87	600	1.49	7.00	200.00	.17	251.00	25.89	14.93
C-7	10/01/87	700	1.53	6.00	200.00	.17	256.00	26.34	15.99
C-7	10/01/87	800	1.44	8.00	220.00	.18	246.00	26.03	15.86
C-7	10/01/87	900	1.51	14.00	240.00	.09	242.00	25.77	15.60
C-7	10/01/87	1000	1.45	14.00	240.00	.05	67.00	25.58	15.45
C-7	10/01/87	1100	1.35	16.00	250.00	.15	83.00	25.46	13.99
C-7	10/01/87	1200	1.25	12.00	250.00	.22	76.00	26.57	15.96
C-7	10/01/87	1300	1.15	10.00	230.00	.16	95.00	27.34	17.17
C-7	10/01/87	1400	1.05	8.00	190.00	.05	116.00	27.24	17.24
C-7	10/01/87	1500	.97	8.00	190.00	.02	201.00	27.43	17.04
C-7	10/01/87	1600	.88	10.00	190.00	.10	92.00	27.26	16.96
C-7	10/01/87	1700	.77	9.00	210.00	.04	130.00	27.26	17.40
C-7	10/01/87	1800	.67	5.00	190.00	.06	219.00	27.36	17.09
C-7	10/01/87	1900	.57	2.00	200.00	.06	220.00	27.18	17.14
C-7	10/01/87	2000	.53	2.00	160.00	.05	233.00	27.28	17.32
C-7	10/01/87	2100	.50	7.00	180.00	.07	290.00	27.30	17.14
C-7	10/01/87	2200	.48	2.00	180.00	.03	303.00	27.26	17.29
C-7	10/01/87	2300	.53	7.00	190.00	.07	267.00	27.04	16.98

PRELIMINARY - SUBJECT
TO REVISION

STA.	DATE	TIME	STAGE	W.SPD.	W.DIR.	CUR.S.	CUR.D.	CUR.T.	CUR.SAL.
C-7	10/01/87	2400	.58	5.00	200.00	.14	265.00	26.42	16.88
C-7	10/02/87	100	.67	4.00	200.00	.18	260.00	26.67	17.13
C-7	10/02/87	200	.77	4.00	220.00	.23	270.00	26.71	16.78
C-7	10/02/87	300	.90	6.00	250.00	.13	260.00	26.67	16.80
C-7	10/02/87	400	1.02	7.00	240.00	.15	257.00	26.61	16.64
C-7	10/02/87	500	1.13	2.00	210.00	.16	261.00	26.55	16.60
C-7	10/02/87	600	1.24	6.00	180.00	.20	268.00	26.38	16.41
C-7	10/02/87	700	1.35	4.00	200.00	.23	273.00	26.28	16.35
C-7	10/02/87	800	1.42	3.00	200.00	.26	269.00	26.22	16.46
C-7	10/02/87	900	1.48	4.00	210.00	.23	264.00	26.18	16.48
C-7	10/02/87	1000	1.50	10.00	180.00	.19	267.00	26.01	16.34
C-4.2	09/29/87	1200	1.50	5.00	300.00	.17	136.00	27.11	14.26
C-4.2	09/29/87	1300	1.40	4.00	320.00	.19	145.00	26.93	13.85
C-4.2	09/29/87	1400	1.30	3.00	50.00	.16	145.00	26.89	13.92
C-4.2	09/29/87	1500	1.22	3.00	10.00	.13	146.00	26.86	13.35
C-4.2	09/29/87	1600	1.15	.00	180.00	.13	136.00	26.40	12.07
C-4.2	09/29/87	1700	1.00	4.00	260.00	.16	145.00	26.66	13.03
C-4.2	09/29/87	1800	.95	4.00	330.00	.19	146.00	26.66	12.92
C-4.2	09/29/87	1900	.92	8.00	320.00	.17	144.00	26.95	14.21
C-4.2	09/29/87	2000	.97	4.00	240.00	.16	140.00	26.78	13.75
C-4.2	09/29/87	2100	1.05	6.00	200.00	.11	137.00	26.76	13.56
C-4.2	09/29/87	2200	1.15	6.00	200.00	.09	135.00	26.86	14.06
C-4.2	09/29/87	2300	1.25	2.00	260.00	.08	129.00	26.86	14.46
C-4.2	09/29/87	2400	1.37	3.00	180.00	.06	137.00	26.95	14.78
C-4.2	09/30/87	100	1.52	5.00	180.00	.05	137.00	26.84	14.63
C-4.2	09/30/87	200	1.63	6.00	190.00	.00	134.00	26.86	14.92
C-4.2	09/30/87	300	1.74	13.00	190.00	.01	137.00	26.95	15.28
C-4.2	09/30/87	400	1.84	15.00	190.00	.00	141.00	26.95	15.45
C-4.2	09/30/87	500	1.92	14.00	200.00	.00	128.00	26.58	14.60
C-4.2	09/30/87	600	1.97	13.00	200.00	.05	144.00	26.80	15.20
C-4.2	09/30/87	700	1.96	15.00	190.00	.06	137.00	26.97	15.71
C-4.2	09/30/87	800	1.90	16.00	200.00	.09	144.00	27.23	16.11
C-4.2	09/30/87	900	1.83	16.00	200.00	.15	141.00	27.35	16.44
C-4.2	09/30/87	1000	1.71	16.00	200.00	.20	140.00	27.68	17.01
C-4.2	09/30/87	1100	1.58	14.00	210.00	.33	145.00	27.25	16.07
C-4.2	09/30/87	1200	1.46	19.00	210.00	.32	144.00	27.09	15.78
C-4.2	09/30/87	1300	1.36	15.00	190.00	.36	141.00	27.31	16.28
C-4.2	09/30/87	1400	1.28	15.00	190.00	.35	138.00	27.31	16.34
C-4.2	09/30/87	1500	1.17	15.00	200.00	.37	138.00	27.40	16.34
C-4.2	09/30/87	1600	1.06	18.00	190.00	.37	138.00	27.38	16.17
C-4.2	09/30/87	1700	.96	16.00	200.00	.40	138.00	27.29	15.89
C-4.2	09/30/87	1800	.87	15.00	180.00	.37	136.00	27.15	15.46
C-4.2	09/30/87	1900	.82	10.00	180.00	.33	142.00	27.19	15.49
C-4.2	09/30/87	2000	.80	10.00	180.00	.32	139.00	27.13	15.08
C-4.2	09/30/87	2100	.79	12.00	190.00	.33	141.00	26.97	15.73
C-4.2	09/30/87	2200	.82	12.00	190.00	.30	139.00	26.23	13.42
C-4.2	09/30/87	2300	.87	8.00	190.00	.31	147.00	26.48	15.74
C-4.2	09/30/87	2400	.93	8.00	190.00	.28	142.00	26.87	15.51
C-4.2	10/01/87	100	1.00	8.00	190.00	.26	140.00	26.87	16.21
C-4.2	10/01/87	200	1.10	10.00	200.00	.27	146.00	26.66	15.98
C-4.2	10/01/87	300	1.21	10.00	190.00	.26	146.00	26.56	16.26
C-4.2	10/01/87	400	1.32	6.00	180.00	.21	143.00	26.86	16.23
C-4.2	10/01/87	500	1.43	4.00	190.00	.21	141.00	26.95	17.22
C-4.2	10/01/87	600	1.49	7.00	200.00	.18	149.00	26.72	16.44

PRELIMINARY - SUBJECT TO REVISION

STA.	DATE	T I E	STAGE	W.SPD.	W.DIR.	CUR.S.	CUR.D.	CUR.T.	CUR.SAL.
C-4.2	10/01/87	700	1.53	6.00	200.00	.11	153.00	24.98	14.61
C-4.2	10/01/87	800	1.44	8.00	220.00	.06	152.00	24.82	15.30
C-4.2	10/01/87	900	1.51	14.00	240.00	.00	145.00	25.33	15.17
C-4.2	10/01/87	1000	1.45	14.00	240.00	.23	148.00	26.27	15.06
C-4.2	10/01/87	1100	1.35	16.00	250.00	.25	150.00	26.17	14.44
C-4.2	10/01/87	1200	1.25	12.00	250.00	.19	151.00	26.60	15.26
C-4.2	10/01/87	1300	1.15	10.00	230.00	.18	150.00	26.54	15.99
C-4.2	10/01/87	1400	1.05	8.00	190.00	.18	146.00	26.89	16.75
C-4.2	10/01/87	1500	.97	8.00	190.00	.19	154.00	26.78	15.52
C-4.2	10/01/87	1600	.88	10.00	190.00	.20	149.00	26.76	15.47
C-4.2	10/01/87	1700	.77	9.00	210.00	.21	152.00	26.82	15.92
C-4.2	10/01/87	1800	.67	5.00	190.00	.26	152.00	26.87	16.75
C-4.2	10/01/87	1900	.57	2.00	200.00	.23	158.00	26.56	15.93
C-4.2	10/01/87	2000	.53	2.00	160.00	.23	157.00	26.48	16.05
C-4.2	10/01/87	2100	.50	7.00	180.00	.00	166.00	25.88	13.77
C-4.2	10/01/87	2200	.48	2.00	180.00	.00	154.00	25.47	13.96
C-4.2	10/01/87	2300	.53	7.00	190.00	.00	149.00	25.86	14.81
C-4.2	10/01/87	2400	.58	5.00	200.00	.00	145.00	26.23	16.01
C-4.2	10/02/87	100	.67	4.00	200.00	.00	148.00	25.99	15.97
C-4.2	10/02/87	200	.77	4.00	220.00	.00	142.00	25.86	16.15
C-4.2	10/02/87	300	.90	6.00	250.00	.00	142.00	25.82	15.99
C-4.2	10/02/87	400	1.02	7.00	240.00	.00	148.00	25.78	16.08
C-4.2	10/02/87	500	1.13	2.00	210.00	.00	145.00	25.78	16.08
C-4.2	10/02/87	600	1.24	6.00	180.00	.00	138.00	25.70	15.98
C-4.2	10/02/87	700	1.35	4.00	200.00	.00	158.00	24.88	15.28
C-4.2	10/02/87	800	1.42	3.00	200.00	.00	155.00	24.52	15.27
C-4.2	10/02/87	900	1.48	4.00	210.00	.00	161.00	23.90	14.72
C-4.2	10/02/87	1000	1.50	10.00	180.00	.02	186.00	22.70	14.03
C14.5T	10/02/87	1100	1.49	7.00	170.00	.23	270.00	24.26	16.02
C14.5T	10/02/87	1200	1.44	8.00	360.00	.29	262.00	24.03	16.02
C14.5T	10/02/87	1300	1.34	8.00	360.00	.24	255.00	24.13	16.52
C14.5T	10/02/87	1400	1.25	8.00	20.00	.27	235.00	24.62	16.45
C14.5T	10/02/87	1500	1.14	10.00	60.00	.37	240.00	26.32	14.53
C14.5T	10/02/87	1600	1.09	11.00	60.00	.11	230.00	26.26	14.62
C14.5T	10/02/87	1700	1.02	8.00	60.00	.12	203.00	25.99	14.70
C14.5T	10/02/87	1800	.91	8.00	90.00	.17	194.00	25.87	14.53
C14.5T	10/02/87	1900	.78	8.00	100.00	.31	179.00	25.63	13.93
C14.5T	10/02/87	2000	.68	4.00	120.00	.36	184.00	25.28	13.79
C14.5T	10/02/87	2100	.61	2.00	160.00	.25	182.00	24.85	14.37
C14.5T	10/02/87	2200	.54	4.00	140.00	.18	178.00	24.56	14.52
C14.5T	10/02/87	2300	.52	4.00	140.00	.13	153.00	24.23	14.67
C14.5T	10/02/87	2400	.54	6.00	130.00	.11	113.00	24.23	15.02
C14.5T	10/03/87	100	.60	6.00	130.00	.12	41.00	24.15	15.50
C14.5T	10/03/87	200	.67	12.00	170.00	.17	35.00	24.30	16.01
C14.5T	10/03/87	300	.72	11.00	190.00	.06	85.00	23.85	16.50
C14.5T	10/03/87	400	.77	12.00	190.00	.12	195.00	23.97	16.86
C14.5T	10/03/87	500	.84	13.00	200.00	.03	241.00	23.89	17.24
C14.5T	10/03/87	600	.91	14.00	200.00	.04	115.00	23.87	17.81
C14.5T	10/03/87	700	.96	14.00	200.00	.02	98.00	23.70	18.17
C14.5T	10/03/87	800	1.00	16.00	200.00	.09	234.00	23.54	18.35
C14.5T	10/03/87	900	1.02	14.00	200.00	.28	220.00	23.83	18.66
C14.5T	10/03/87	1000	1.01	18.00	210.00	.24	229.00	23.97	18.98
C14.5T	10/03/87	1100	.93	18.00	200.00	.19	204.00	23.81	18.76
C14.5T	10/03/87	1200	.86	20.00	200.00	.21	207.00	23.76	18.54

PRELIMINARY-SUBJECT
TO REVISION

STA.	DATE	TIME	STAGE	W.SPD.	W.DIR.	CUR.S.	CUR.D.	CUR.T.	CUR.SAL.
C14.5T	10/03/87	1300	.78	16.00	220.00	.31	225.00	23.35	17.54
C14.5T	10/03/87	1400	.71	16.00	200.00	.37	231.00	23.17	16.61
C14.5T	10/03/87	1500	.62	16.00	200.00	.37	228.00	23.05	15.79
C14.5T	10/03/87	1600	.53	17.00	210.00	.39	231.00	22.92	15.10
C14.5T	10/03/87	1700	.47	14.00	210.00	.34	227.00	22.90	15.18
C14.5T	10/03/87	1800	.42	9.00	200.00	.26	228.00	22.66	15.14
C14.5T	10/03/87	1900	.36	10.00	200.00	.19	230.00	22.47	15.10
C14.5T	10/03/87	2000	.31	9.00	190.00	.16	243.00	22.29	15.13
C14.5T	10/03/87	2100	.26	8.00	190.00	.12	246.00	21.88	14.98
C14.5T	10/03/87	2200	.21	8.00	190.00	.23	218.00	21.90	15.23
C14.5T	10/03/87	2300	.18	9.00	200.00	.15	238.00	22.21	15.93
C14.5T	10/03/87	2400	.16	10.00	210.00	.16	229.00	21.19	15.56
C14.5T	10/04/87	100	.14	11.00	220.00	.18	212.00	21.53	16.08
C14.5T	10/04/87	200	.13	10.00	230.00	.19	253.00	21.29	15.73
C14.5T	10/04/87	300	.20	8.00	220.00	.15	291.00	20.63	15.06
C14.5T	10/04/87	400	.28	7.00	220.00	.08	359.00	20.61	15.27
C14.5T	10/04/87	500	.36	7.00	230.00	.26	29.00	20.88	16.16
C14.5T	10/04/87	600	.44	6.00	220.00	.39	31.00	21.04	16.68
C14.5T	10/04/87	700	.52	6.00	230.00	.40	32.00	20.78	16.74
C14.5T	10/04/87	800	.61	12.00	240.00	.20	22.00	20.43	16.89
C14.5T	10/04/87	900	.68	14.00	270.00	.16	302.00	20.02	15.97
C14.5T	10/04/87	1000	.74	10.00	270.00	.19	332.00	20.12	16.07
C14.5B	10/02/87	1100	1.49	7.00	170.00	.01	199.00	24.09	16.70
C14.5B	10/02/87	1200	1.44	8.00	360.00	.30	184.00	23.76	17.28
C14.5B	10/02/87	1300	1.34	8.00	360.00	.25	199.00	23.96	16.74
C14.5B	10/02/87	1400	1.25	8.00	20.00	.21	207.00	24.13	16.46
C14.5B	10/02/87	1500	1.14	10.00	60.00	.25	188.00	24.35	15.82
C14.5B	10/02/87	1600	1.09	11.00	60.00	.25	192.00	24.13	16.01
C14.5B	10/02/87	1700	1.02	8.00	60.00	.31	233.00	24.58	17.15
C14.5B	10/02/87	1800	.91	8.00	90.00	.45	242.00	24.60	16.52
C14.5B	10/02/87	1900	.78	8.00	100.00	.40	250.00	24.98	15.74
C14.5B	10/02/87	2000	.68	4.00	120.00	.41	257.00	24.88	15.67
C14.5B	10/02/87	2100	.61	2.00	160.00	.32	265.00	24.54	15.92
C14.5B	10/02/87	2200	.54	4.00	140.00	.16	288.00	24.56	17.78
C14.5B	10/02/87	2300	.52	4.00	140.00	.07	23.00	24.96	18.53
C14.5B	10/02/87	2400	.54	6.00	130.00	.13	16.00	24.96	18.19
C14.5B	10/03/87	100	.60	6.00	130.00	.15	24.00	24.99	18.33
C14.5B	10/03/87	200	.67	12.00	170.00	.18	27.00	25.19	18.76
C14.5B	10/03/87	300	.72	11.00	190.00	.28	33.00	25.21	18.93
C14.5B	10/03/87	400	.77	12.00	190.00	.22	37.00	24.94	19.24
C14.5B	10/03/87	500	.84	13.00	200.00	.32	33.00	24.98	19.43
C14.5B	10/03/87	600	.91	14.00	200.00	.10	41.00	23.96	17.92
C14.5B	10/03/87	700	.96	14.00	200.00	.09	24.00	23.72	18.21
C14.5B	10/03/87	800	1.00	16.00	200.00	.02	303.00	23.66	18.37
C14.5B	10/03/87	900	1.02	14.00	200.00	.19	226.00	23.80	18.73
C14.5B	10/03/87	1000	1.01	18.00	210.00	.16	230.00	23.94	19.10
C14.5B	10/03/87	1100	.93	18.00	200.00	.08	202.00	23.78	18.80
C14.5B	10/03/87	1200	.86	20.00	200.00	.09	218.00	23.72	18.62
C14.5B	10/03/87	1300	.78	16.00	220.00	.20	232.00	23.41	17.77
C14.5B	10/03/87	1400	.71	16.00	200.00	.28	242.00	23.11	16.75
C14.5B	10/03/87	1500	.62	16.00	200.00	.30	235.00	23.02	15.98
C14.5B	10/03/87	1600	.53	17.00	210.00	.28	236.00	22.96	15.49
C14.5B	10/03/87	1700	.47	14.00	210.00	.25	229.00	23.07	15.55
C14.5B	10/03/87	1800	.42	9.00	200.00	.19	236.00	22.74	15.32

PRELIMINARY - SUBJECT
TO REVISION

STA.	DATE	TIME	STAGE	W.SPD.	W.DIR.	CUR.S.	CUR.D.	CUR.T.	CUR.SAL.
C14.5B	10/03/87	1900	.36	10.00	200.00	.15	241.00	22.49	15.12
C14.5B	10/03/87	2000	.31	9.00	190.00	.12	249.00	22.43	15.27
C14.5B	10/03/87	2100	.26	8.00	190.00	.09	253.00	22.64	15.64
C14.5B	10/03/87	2200	.21	8.00	190.00	.16	222.00	23.11	16.27
C14.5B	10/03/87	2300	.18	9.00	200.00	.16	239.00	22.49	16.06
C14.5B	10/03/87	2400	.16	10.00	210.00	.09	191.00	22.19	16.66
C14.5B	10/04/87	100	.14	11.00	220.00	.10	217.00	21.82	16.35
C14.5B	10/04/87	200	.13	10.00	230.00	.13	249.00	21.49	15.99
C14.5B	10/04/87	300	.20	8.00	220.00	.06	11.00	22.11	16.98
C14.5B	10/04/87	400	.28	7.00	220.00	.28	40.00	21.47	16.42
C14.5B	10/04/87	500	.36	7.00	230.00	.27	39.00	21.12	16.47
C14.5B	10/04/87	600	.44	6.00	220.00	.32	21.00	21.16	16.84
C14.5B	10/04/87	700	.52	6.00	230.00	.32	21.00	20.96	17.12
C14.5B	10/04/87	800	.61	12.00	240.00	.23	18.00	20.86	17.37
C14.5B	10/04/87	900	.68	14.00	270.00	.28	19.00	20.57	17.29
C14.5B	10/04/87	1000	.74	10.00	270.00	.32	31.00	20.61	17.63

PRELIMINARY-SUBJECT
TO REVISION

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEMP C
1.49	OCT 2	1030	WEST	1	1092	0.60	655		
				2	1080	0.30	324		
				3	1029	0.15	154		
				4	989	0.20	198		
				5	949	0.00	0		
				6	909	0.10	91		
				7	753	0.20	151		
				8	460	0.25	115		
				9	408	0.15	61		
				10	471	0.20	94		
					=====		=====		
					8140		1843 EBB		
	OCT 2	1040	WEST OF CENTER	1	575	0.60	345		
				2	575	0.52	299		
				3	575	0.30	173		
				4	575	0.13	75		
				5	575	0.15	86		
				6	575	0.10	58		
				7	575	0.10	58		
				8	575	0.08	46		
				9	575	0.13	75		
				10	637	0.20	127		
					=====		=====		
					5812		1341 EBB		
	OCT 2	1050	EAST OF CENTER	1	575	0.47	270		
				2	575	0.43	247		
				3	575	0.30	173		
				4	575	0.10	58		
				5	575	0.17	98		
				6	575	0.15	86		
				7	575	0.10	58		
				8	575	0.11	63		
				9	575	0.17	98		
				10	247	0.20	49		
					=====		=====		
					5422		1199 EBB		
	OCT 2	1057	EAST	1	1558	0.50	779		
				2	1506	0.60	904		
				3	667	0.43	287		
				4	615	0.30	185		
				5	603	0.27	163		
				6	586	0.40	234		
				7	540	0.37	200		
				8	466	0.35	163		
					=====		=====		
					6541		2914 EBB		
TOTALS					25915		7297 EBB		

PRELIMINARY--SUBJ. TO REVISION

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEMP C
1.46	OCT 2	1110	WEST	1	1092	0.70	764	15.8	25.2
				2	1080	0.40	432	15.8	25.2
				3	1029	0.20	206	15.8	25.2
				4	989	0.20	198	16.5	24.1
				5	949	0.13	123	17.7	24.2
				6	909	0.17	155	17.7	24.2
				7	753	0.20	151	18.2	24.2
				8	460	0.30	138	22.8	26.1
				9	408	0.25	102	23.6	26.1
				10	471	0.23	108	23.6	26.6
					=====		=====		
					8140		2377 EBB		
OCT 2	1122	WEST OF CENTER	1	575	0.55	316	15.6	25.2	
			2	575	0.40	230	15.7	25.2	
			3	575	0.40	230	15.7	25.2	
			4	575	0.40	230	17.1	24.0	
			5	575	0.35	201	18.1	24.0	
			6	575	0.27	155	18.1	24.1	
			7	575	0.23	132	19.5	24.9	
			8	575	0.20	115	24.4	25.5	
			9	575	0.30	173	23.1	25.5	
			10	637	0.25	159	23.7	26.2	
					=====		=====		
					5812		1942 EBB		
OCT 2	1133	EAST OF CENTER	1	575	0.65	374	15.6	25.3	
			2	575	0.47	270	15.7	24.6	
			3	575	0.30	173	16.9	24.4	
			4	575	0.17	98	17.6	24.4	
			5	575	0.25	144	17.9	24.2	
			6	575	0.20	115	18.5	24.2	
			7	575	0.10	58	18.5	24.2	
			8	575	0.30	173	22.2	25.4	
			9	575	0.35	201	23.1	26.0	
			10	247	0.30	74	23.4	26.0	
					=====		=====		
					5422		1678 EBB		
OCT 2	1143	EAST	1	1558	0.75	1169	15.6	24.7	
			2	1506	0.60	904	17.3	24.7	
			3	667	0.57	380	17.8	24.5	
			4	615	0.40	246	18.3	24.4	
			5	603	0.50	302	19.3	24.4	
			6	586	0.50	293	19.9	24.9	
			7	540	0.35	189	20.0	24.9	
			8	466	0.35	163	21.8	26.2	
					=====		=====		
					6541		3645 EBB		
TOTALS					25915		9642 EBB		

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEMP
1.44	OCT 2	1155	WEST	1	1092	0.30	328	15.5	25.4
				2	1080	0.40	432	16.1	24.1
				3	1029	0.25	257	16.1	24.1
				4	989	0.27	267	16.5	24.3
				5	949	0.30	285	16.6	24.4
				6	909	0.35	318	17.8	25.1
				7	753	0.45	339	21.3	26.5
				8	460	0.45	207	23.4	26.4
				9	408	0.40	163	23.7	26.6
				10	471	0.35	165	23.7	26.6
					=====		=====		
					8140		2761 EBB		
	OCT 2	1207	WEST OF CENTER	1	575	0.45	259	15.7	25.8
				2	575	0.45	259	16.6	24.4
				3	575	0.35	201	16.8	24.4
				4	575	0.33	190	17.0	24.4
				5	575	0.35	201	17.3	24.3
				6	575	0.40	230	17.5	24.4
				7	575	0.40	230	19.0	25.5
				8	575	0.30	173	22.2	26.2
				9	575	0.20	115	23.7	26.3
				10	637	0.10	64	23.9	26.7
					=====		=====		
					5812		1921 EBB		
	OCT 2	1217	EAST OF CENTER	1	575	0.40	230	15.4	26.2
				2	575	0.35	201	17.0	25.0
				3	575	0.30	173	17.2	24.3
				4	575	0.30	173	17.6	24.3
				5	575	0.30	173	17.6	24.3
				6	575	0.35	201	18.3	24.5
				7	575	0.30	173	18.6	24.4
				8	575	0.35	201	19.8	25.4
				9	575	0.30	173	22.6	25.9
				10	247	0.30	74	23.1	26.4
					=====		=====		
					5422		1770 EBB		
	OCT 2	1207	EAST	1	1558	0.45	701	15.6	25.3
				2	1506	0.40	602	17.4	25.1
				3	667	0.45	300	18.9	24.6
				4	615	0.45	277	18.7	24.3
				5	603	0.45	271	19.1	24.9
				6	586	0.40	234	19.5	25.0
				7	540	0.40	216	21.0	26.1
				8	466	0.20	93	21.7	26.5
					=====		=====		
TOTALS					6541		2695		
TOTAL FLOW							9147 EBB		

**PRELIMINARY-SUBJECT
TO REVISION**

5.133

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEMP
1.25	OCT 2	1345	WEST	1	1092	0.70	764	15.8	26.6
				2	1069	0.40	428	16.0	25.0
				3	1020	0.50	510	16.0	25.0
				4	980	0.35	343	16.2	25.0
				5	940	0.40	376	16.2	24.0
				6	903	0.40	361	17.7	25.0
				7	650	0.30	195	20.4	25.7
				8	444	0.20	89	23.4	26.0
				9	390	0.20	78	23.7	26.0
				10	382	0.13	50	23.7	26.6
					=====		=====		
					7870		3194	EBB	
	OCT 2	1355	WEST OF CENTER	1	575	0.55	316	15.9	26.8
				2	575	0.40	230	16.1	26.4
				3	575	0.40	230	16.7	25.0
				4	575	0.40	230	16.9	25.0
				5	575	0.30	173	16.9	24.8
				6	575	0.40	230	17.5	24.8
				7	575	0.50	288	21.1	25.7
				8	575	0.17	98	21.3	25.7
				9	575	0.20	115	23.4	26.5
				10	493	0.20	99	24.0	26.8
					=====		=====		
					5668		2008	EBB	
	OCT 2	1405	EAST OF CENTER	1	575	0.50	288	15.9	26.7
				2	575	0.40	230	17.3	25.1
				3	575	0.43	247	17.5	24.7
				4	575	0.40	230	17.8	24.6
				5	575	0.43	247	17.8	24.6
				6	575	0.50	288	17.9	24.8
				7	575	0.30	173	19.5	25.2
				8	575	0.30	173	19.9	25.2
				9	575	0.15	86	22.9	26.6
				10	161	0.03	5	23.8	26.7
					=====		=====		
					5336		1966	EBB	
	OCT 2	1415	EAST	1	1554	0.30	466	15.3	27.1
				2	1305	0.60	783	15.6	26.4
				3	647	0.50	324	17.8	24.5
				4	609	0.40	244	18.5	24.4
				5	598	0.30	179	18.7	24.8
				6	574	0.40	230	18.9	24.7
				7	520	0.10	52	20.9	26.4
				8	368	0.13	48	22.1	26.5
					=====		=====		
					6175		2325	EBB	
			TOTALS		25049		9492	EBB	

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEMP C
1.17	OCT 2	1427	WEST	1	1092	0.60	655		
				2	1069	0.45	481		
				3	1020	0.43	439		
				4	980	0.35	343		
				5	940	0.33	310		
				6	903	0.40	361		
				7	650	0.27	176		
				8	444	0.15	67		
				9	390	0.20	78		
				10	382	0.10	38		
							=====		
					7870		2948 EBB		
	OCT 2	1434	WEST OF CENTER	1	575	0.70	403		
				2	575	0.60	345		
				3	575	0.40	230		
				4	575	0.50	288		
				5	575	0.50	288		
				6	575	0.40	230		
				7	575	0.30	173		
				8	575	0.15	86		
				9	575	0.10	58		
				10	493	0.20	99		
							=====		
					5668		2197 EBB		
	OCT 2	1442	EAST OF CENTER	1	575	0.70	403		
				2	575	0.60	345		
				3	575	0.50	288		
				4	575	0.40	230		
				5	575	0.50	288		
				6	575	0.60	345		
				7	575	0.35	201		
				8	575	0.10	58		
				9	575	0.10	58		
				10	161	0.05	8		
							=====		
					5336		2222 EBB		
	OCT 2	1449	EAST	1	1554	0.60	932		
				2	1305	0.50	653		
				3	647	0.20	129		
				4	609	0.30	183		
				5	598	0.40	239		
				6	574	0.20	115		
				7	520	0.10	52		
				8	368	0.10	37		
							=====		
					6175		2340 EBB		
			TOTALS		25049		9707 EBB		

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEMP
1.12	OCT 2	1500	WEST	1	1092	0.40	437	14.8	27.7
				2	1069	0.50	535	15.1	27.7
				3	1020	0.50	510	15.9	27.1
				4	980	0.30	294	15.7	26.6
				5	940	0.20	188	16.0	25.7
				6	903	0.20	181	16.7	24.7
				7	650	0.25	163	17.2	25.0
				8	444	0.30	133	21.0	25.7
				9	390	0.20	78	21.8	25.7
				10	382	0.10	38	23.3	26.9
					=====		=====		
					7870		2556 EBB		
	OCT 2	1520	WEST OF CENTER	1	575	0.30	173	14.7	27.1
				2	575	0.33	190	14.9	27.1
				3	575	0.40	230	15.3	27.3
				4	575	0.37	213	15.9	26.2
				5	575	0.33	190	15.9	25.7
				6	575	0.25	144	16.5	24.7
				7	575	0.23	132	16.5	24.7
				8	575	0.30	173	21.4	26.0
				9	575	0.20	115	23.1	26.0
				10	493	0.10	49	23.9	26.0
					=====		=====		
					5668		1608 EBB		
	OCT 2	1531	EAST OF CENTER	1	575	0.50	288	14.9	26.9
				2	575	0.55	316	15.0	26.0
				3	575	0.50	288	15.0	26.0
				4	575	0.57	328	16.0	26.2
				5	575	0.40	230	16.1	24.8
				6	575	0.50	288	17.4	24.0
				7	575	0.70	403	23.3	26.7
				8	575	0.60	345	23.7	26.5
				9	575	0.20	115	23.8	26.7
				10	161	0.10	16	23.7	26.1
					=====		=====		
					5336		2615 EBB		
	OCT 2	1543	EAST	1	1554	0.70	1088	17.6	25.1
				2	1305	0.60	783	17.0	26.4
				3	647	0.50	324	17.7	25.1
				4	609	0.35	213	17.8	24.1
				5	598	0.45	269	17.6	24.7
				6	574	0.70	402	18.6	24.0
				7	520	0.43	224	18.9	24.1
				8	368	0.13	48	19.1	26.1
					=====		=====		
					6175		3350 EBB		
			TOTALS		25049		10128 EBB		

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEMP C
1.00	OCT 2	1648	WEST	1	1092	0.60	655	15.2	27.0
PRELIMINARY-SUBJECT TO REVISION				2	1058	0.80	846	15.3	26.9
				3	1012	0.40	405	15.3	26.9
				4	972	0.50	486	15.3	26.9
				5	931	0.53	493	15.8	26.3
				6	897	0.50	449	18.4	25.4
				7	546	0.60	328	23.0	26.3
				8	431	0.30	129	23.6	26.4
				9	373	0.30	112	23.8	26.8
				10	293	0.60	176	23.8	26.8
				=====			=====		
					7605		4079	EBB	
	OCT 2	1659	WEST OF CENTER	1	575	0.60	345	15.1	26.5
				2	575	0.70	403	15.4	26.4
				3	575	0.50	288	15.3	26.4
				4	575	0.50	288	15.5	26.2
				5	575	0.70	403	16.6	26.0
				6	575	0.60	345	18.6	25.0
				7	575	0.50	288	19.6	25.3
				8	575	0.75	431	20.4	25.7
				9	575	0.25	144	23.2	26.3
				10	350	0.00	0	23.9	26.5
				=====			=====		
					5525		2933	EBB	
	OCT 2	1709	EAST OF CENTER	1	575	0.40	230	15.4	26.0
				2	575	0.60	345	15.4	26.0
				3	575	0.70	403	15.5	26.2
				4	575	0.40	230	15.7	25.9
				5	575	0.60	345	16.4	25.2
				6	575	0.70	403	17.7	24.6
				7	575	0.75	431	17.8	24.8
				8	575	0.65	374	22.6	26.2
				9	425	0.45	191	23.7	26.4
				10	75	0.00	0		
				=====			=====		
					5100		2951	EBB	
	OCT 2	1720	EAST	1	1551	0.56	869		
				2	1104	0.71	784		
				3	627	0.7	439		
				4	603	0.24	145		
				5	592	0.67	397		
				6	563	0.98	552		
				7	500	0.43	215		
				8	270	0.14	38		
				=====			=====		
					5810		3437	EBB *	
			TOTALS		24040		13400	EBB	

* DENOTES ESTIMATED FLOWS

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEMP
0.65	OCT 3	0120	WEST	1	1069	0.30	321	17.0	24.2
				2	1020	0.30	306	18.7	24.1
				3	980	0.27	265	19.0	24.1
				4	940	0.30	282	20.0	25.6
				5	903	0.20	181	22.2	26.1
				6	850	0.15	98	22.8	25.1
				7	444	0.10	44	23.3	25.9
				8	390	0.10	39	23.4	25.1
				9	382	0.00	0	23.4	25.1
					=====		=====		
					6778		1535 EBB		
OCT 2	0140	WEST-OF CENTER	1	575	0.40	230	16.8	24.1	
			2	575	0.30	173	18.8	25.0	
			3	575	0.20	115	19.3	25.4	
			4	575	0.30	173	21.6	25.9	
			5	575	0.20	115	21.9	26.1	
			6	575	0.20	115	23.1	26.1	
			7	575	0.10	58	23.3	26.5	
			8	575	0.10	58	23.3	26.5	
			9	493	0.05	25			
					=====		=====		
					5093		1060 EBB		
OCT 2	0152	EAST OF CENTER	1	575	0.20	115	16.7	24.2	
			2	575	0.25	144	16.8	24.3	
			3	575	0.50	288	19.0	25.0	
			4	575	0.60	345	20.0	25.0	
			5	575	0.45	259	21.3	25.8	
			6	575	0.50	288	22.6	25.8	
			7	575	0.30	173	22.6	26.2	
			8	575	0.25	144	23.3	26.3	
			9	575	0.00	0	23.2	26.1	
					=====		=====		
					5175		1754 EBB		
OCT 2	0205	EAST	1	1305	0.70	913	16.8	24.1	
			2	647	0.70	453	16.6	24.1	
			3	609	0.65	396	17.3	24.3	
			4	598	0.55	329	20.3	25.2	
			5	574	0.45	258	20.7	25.7	
			6	520	0.30	156	21.7	25.7	
			7	368	0.00	0	23.0	26.0	
					=====		=====		
					4621		2505 EBB		
TOTALS					21667		6854 EBB		

PRELIMINARY--SUBJECT
TO REVISION

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEMP C
0.71	OCT 3	0230	WEST	1	1069	0.30	321	16.9	24.2
				2	1020	0.35	357	17.1	24.3
				3	980	0.35	343	18.4	25.0
				4	940	0.30	282	19.3	25.3
				5	903	0.25	226	19.7	25.3
				6	650	0.20	130	20.8	25.8
				7	444	0.20	89	22.4	26.0
				8	390	0.15	59	23.0	26.2
				9	382	0.10	38	23.5	26.5
					=====				
					6778	1844 FLOOD			
OCT 2	0242	WEST OF CENTER	1	575	0.30	173	17.2	24.0	
			2	575	0.20	115	17.1	24.2	
			3	575	0.40	230	18.8	25.2	
			4	575	0.60	345	19.5	25.4	
			5	575	0.20	115	20.1	25.5	
			6	575	0.25	144	22.6	25.9	
			7	575	0.25	144	22.8	26.2	
			8	575	0.30	173	23.0	26.2	
			9	493	0.00	0	23.1	26.1	
					=====				
					5093	1438 FLOOD			
OCT 2	0254	EAST OF CENTER	1	575	0.30	173	17.6	24.2	
			2	575	0.30	173	17.5	24.3	
			3	575	0.25	144	17.7	24.3	
			4	575	0.35	201	19.6	25.1	
			5	575	0.30	173	20.2	25.4	
			6	575	0.30	173	22.2	26.0	
			7	575	0.25	144	22.6	26.1	
			8	575	0.20	115	22.9	26.1	
			9	575	0.00	0	23.1	26.1	
					=====				
					5175	1294 FLOOD			
OCT 2	0303	EAST	1	1305	0.50	653	16.9	24.2	
			2	647	0.55	356	17.1	24.1	
			3	609	0.70	426	17.1	24.2	
			4	598	0.40	239	19.5	24.6	
			5	574	0.35	201	21.2	25.4	
			6	520	0.20	104	21.9	25.8	
			7	368	0.20	74			
					=====				
					4621	2052 FLOOD			
TOTALS					21667	6628 FLOOD			

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEM
0.74	OCT 3	0317	WEST	1	1069	0.60	641	18.0	24.8
				2	1020	0.45	459	18.2	24.
				3	980	0.50	490	18.6	25.
				4	940	0.40	376	19.2	25.1
				5	903	0.40	361	21.1	25.7
					=====		=====		
					4912		2328 EBB		
				6	650	0.40	260	22.2	26.2
				7	444	0.40	178	23.2	26.
				8	390	0.40	156	23.2	26.
				9	382	0.10	38	23.2	26.5
					=====		=====		
					6778		632 FLOOD		
	OCT 3	0328	WEST OF CENTER	1	575	0.50	288	17.5	24.7
				2	575	0.35	201	17.5	24.
				3	575	0.50	288	17.8	24.
				4	575	0.40	230	18.5	24.9
				5	575	0.50	288	19.8	25.
					=====		=====		
					2875		1294 EBB		
				6	575	0.20	115	20.8	25.7
				7	575	0.20	115	21.9	26.
				8	575	0.10	58	22.9	26.1
				9	493	0.15	74	23.0	26.3
					=====		=====		
					2218		361 FLOOD		
	OCT 3	0341	EAST OF CENTER	1	575	0.40	230	17.9	24.
				2	575	0.60	345	17.8	24.
				3	575	0.60	345	17.8	24.1
				4	575	0.85	489	17.9	24.7
				5	575	0.75	431	18.0	24.
					=====		=====		
					2875		1840 EBB		
				6	575	0.65	374	20.7	25.
				7	575	0.40	230	21.2	25.
				8	575	0.35	201	22.4	26.0
				9	575	0.00	0	22.4	26.
					=====		=====		
					2300		805 FLOOD		
	OCT 3	0355	EAST	1	1305	0.60	783	17.3	24.
				2	647	0.30	194	17.3	24.
				3	609	0.30	183	17.5	24.2
				4	598	0.30	179	18.2	24.
				5	574	0.60	344	18.3	24.
					=====		=====		
					3733		1684 EBB		
				6	520	0.60	312	21.5	25.
				7	368	0.00	0	22.0	26.0
					=====		=====		
					888		312 FLOOD		
					TOTALS		7145 EBB		
							2110 FLOOD		

5.146

TABLE
FLOW MEASUREMENT at US HIGHWAY 98 BRIDGE
PERDIDO BAY
SEPTEMBER-OCTOBER, 1987

STAGE (FEET)	DATE	TIME	MEASUREMENT LOCATION	DEPTH (FT)	AREA (SQ FT)	VELOCITY (FT/SEC)	FLOW (CFS)	SALINITY (PPT)	TEMP C
0.8	OCT 3	0423	WEST	1	1069	0.40	428	18.0	24.4
				2	1020	0.50	510	18.1	24.3
				3	980	0.30	294	18.4	24.3
				4	940	0.40	376	18.6	24.5
				5	903	0.30	271	19.9	25.2
					=====		=====		
					4912		1879 EBB		
				6	650	0.20	130	21.5	25.8
				7	444	0.40	178	22.3	26.2
				8	390	0.40	156	23.3	26.2
				9	382	0.40	153	22.8	26.2
					=====		=====		
					6778		616 FLOOD		
OCT 3		0434	WEST OF CENTER	1	575	0.50	288	18.1	24.2
				2	575	0.65	374	18.2	24.2
				3	575	0.30	173	18.4	24.5
				4	575	0.50	288	18.5	24.4
				5	575	0.50	288	19.3	24.8
					=====		=====		
					2875		1409 EBB		
				6	575	0.10	58	20.2	25.2
				7	575	0.30	173	22.6	26.2
				8	575	0.30	173	22.8	26.1
				9	493	0.30	148	23.0	26.1
					=====		=====		
					2218		550 FLOOD		
OCT 3		0450	EAST OF CENTER	1	575	0.35	201	18.9	23.8
				2	575	0.50	288	17.9	23.9
				3	575	0.40	230	18.2	24.1
				4	575	0.40	230	19.3	24.7
				5	575	0.45	259	20.1	24.9
					=====		=====		
					2875		1208 EBB		
				6	575	0.95	546	21.7	25.7
				7	575	0.80	460	22.0	26.0
				8	575	0.30	173	22.5	26.1
				9	575	0.15	86	22.7	26.3
					=====		=====		
					2300		1265 FLOOD		
OCT 3		0501	EAST	1	1305	0.40	522	17.3	23.5
				2	647	0.40	259	17.3	23.7
				3	609	0.35	213	17.5	23.6
				4	598	0.35	209	17.2	23.8
				5	574	0.40	230	17.4	24.3
					=====		=====		
					3733		1433 EBB		
				6	520	0.60	312	18.4	24.5
				7	368	0.40	147	21.2	25.8
					=====		=====		
					888		459 FLOOD		
TOTALS					14395		5928 EBB		
					12184		2891 FLOOD		

5.141

TABLE
ELEVENMILE CREEK IN-SITU DATA
SEPTEMBER - OCTOBER ,1987

PRELIMINARY-SUBJECT
TO REVISION

LOCATION RIVERMILE	DEPTH (FT)	WIDTH (FT)	TEMP C	D.O. mg/l	COMMENTS
12.6			27	5.4	START RUN @ OUTFALL 9/30/87 @0730
12.5		15	27	5.3	
12.45		12	27	4.9	
12.4	2.4	13	27	4.5	PIPELINE , HEAVY BRUSH
12.3	1.8	18.4	27	4.4	TRIBUTARY INFLOW -LOW FLOW,CLEAR
12.2	2.3	16.0	27	4.3	TRIBUTARY INFLOW - LOW FLOW CLEAR
12.1	1.7	24.5	27	4.1	
12.0	3.2	21.0	27	3.95	
11.9	2.2	20.9	27	4.0	FOAM CLUMPS
11.8	2.3	24.5	27	3.9	INCREASED AERATION CAUSED BY RAPIDS
11.7	2.3	23.6	27	3.7	FOAM CLUMPS
11.6	1.5	20.0	27	3.7	HIGH VELOCITY,RIFFLES
	2.2	17.8	27	3.7	FOAM
	1.0	24.8	27	3.85	
	1.3	24.0	26.0	4.0	NO CANOPY-CLEAR AND SUNNY @ 0955
11.4	1.1	25.3	27	4.3	POWERLINE
TRIB (11.35)	0.3	6.0	20.5	8.1	
11.2	0.7	32.0	27	4.3	
11.0	1.3	32.0	26.5	4.3	
TRIB (10.85)	0.4	14.0	23.0	8.25	
10.8	1.2	33.0	27	4.3	
10.55	1.1	35.5	27	4.5	
10.5	1.1	45.5	27	4.4	HIGHWAY 297A
10.2	0.9	39.0	27	4.3	
9.9	0.9	42.5	27	4.5	
9.8					PVC PIPE DISCHARGE
TRIB (9.56)	0.5	8.0	22	7.45	INFLOW-LARGEST TRIB FLOW YET,CLEAR
9.55	0.9	56.0	27	4.45	
TRIB (9.11)	0.5	6.0	23	7.7	INFLOW-CLEAR
9.10	0.9	48.0	27	4.7	US HIGHWAY 90A
8.45	0.6	69.0	27.5	4.6	
7.8	1.3	43.0	28	5.05	
TRIB (7.51)	0.9	12.0	23	7.9	INFLOW - COLOR NOT AS CLEAR
7.5	1.0	67.0	27.5	5.0	
7.2	0.9	65.7	27	5.15	
6.4	0.6	50.0	26	5.2	
5.9	0.9	63.0	26	5.2	US HIGHWAY 90 -END OF RUN 9/30/87 @
5.9	0.9	63.0	20.5	4.8	US HIGHWAY 90 10/1/87 @0720
5.6	1.3	42.0	20.5	4.8	
5.1	1.7	42.0	20.0	4.9	
4.7	1.4	40.0	20.0	4.8	
4.4	1.6	37	20.0	4.8	
4.2	1.9	42	20.0	4.7	
TRIB (4.05)	3.0	21	20.5	5.6	EIGHTMILE CREEK
3.8	1.5	50	21.0	4.8	
3.3	0.8	65	21.0	4.8	
2.95	1.4	58	21.5	4.8	
2.65	1.1	89	21.5	4.8	
TRIB (2.55)			22	5.9	HURST BRANCH
2.3	0.85	106	23	4.7	
1.8	3.7	115	23	4.4	END OF RUN 10/1/87 @ 1530

PRELIMINARY-SUBJECT
TO REVISION

TABLE
QUAL2EU CALIBRATION DATA
ELEVENMILE CREEK
SEPTEMBER-OCTOBER, 1987

STATION NO. CONDITION		DO mg/l	CBOD MEASURED mg/l	CBOD PREDICTED mg/l	ORG-N mg/l	NH3-N mg/l	NO2-NO3 mg/l	TOTAL N mg/l	ORG-P mg/l	DISS-P mg/l	CHL a ug/l
RM-10.5	RANGE	3.7-4.8	50.3-68.9	50.3-75.3	1.7-2.3	1.0-1.6	0.84-0.91	4.19-4.64	0.22-0.23	0.38-0.43	
	MEAN	4.36	59.6	62.8	2.2	1.22	0.89	4.31	0.23	0.4	2.11
RM-9.1	RANGE	4.35-6.33	35.2-38.5	33.3-45.1	1.23-1.59	0.50-0.84	0.71-0.82	2.52-3.47	0.15-0.37	0.23-0.28	
	MEAN	5.38	36.9	39.2	1.46	0.63	0.75	3.03	0.26	0.26	1.23
RM-5.9	RANGE	5.3-5.6	28.0-35.0	28.9-46.0	1.09-1.57	0.58-1.20	1.0-1.1	2.70-3.50	0.13-0.26	0.21-0.24	
	MEAN	5.45	31.5	37.5	1.3	0.8	1.08	3.18	0.20	0.22	1.58
RM-2.9	RANGE	4.6-6.0	21.3-22.9	20.2-23.2	0.99-1.24	0.21-0.61	0.39-1.20	2.40-2.90	0.07-0.33	0.11-0.19	
	MEAN	5.3	22.1	21.7	1.1	0.4	1.04	2.55	0.2	0.15	1.32
RM-1.9	RANGE	4.5-5.2	18.9-20.3	15.1-17.9	1.10-1.20	0.26-0.50	0.96-1.1	2.36-2.70			
	MEAN	4.85	19.6	16.5	1.14	0.38	1.04	2.54			

DO DENOTES DISSOLVED OXYGEN CONCENTRATION
CBOD DENOTES CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND FOR 120 DAYS
ORG-N DENOTES ORGANIC NITROGEN CONCENTRATION
NH3-N DENOTES AMMONIA CONCENTRATION AS NITROGEN
NO2-NO3 DENOTES NITRITE +NITRATE NITROGEN CONCENTRATION
TOTAL N DENOTES TOTAL NITROGEN CONCENTRATION
ORG-P DENOTES ORGANIC PHOSPHORUS CONCENTRATION
DISS-P DENOTES DISSOLVED PHOSPHORUS CONCENTRATION
CHL a DENOTES CHLOROPHYLL a CONCENTRATION

5.143

TABLE
WATER QUALITY RESULTS
ELEVENMILE CREEK
PEAK SAMPLING

PRELIMINARY--SUBJECT
TO REVISION

CONCENTRATION (mg/l)

STATION	DATE	TIME	TSS	COLOR PTCO	TOC	NH3-N	NO2-NO3	TKN	TOTAL N	TOTAL P
L-8	SEPT 30	0805	8	23	18	1.9	13	4.2	17.2	6.4
L-7	SEPT 30	0710	23	960	98	1.5	0.27	4.9	5.17	0.72
RM-10.5	SEPT 30	1230	22	840	75	1.2	0.89	3.3	4.19	0.61
RM-9.1	SEPT 30	1430	15	480	39	0.57	0.72	1.8	2.52	0.6
RM-5.9	SEPT 30	1900	17	400	37	0.61	1	1.7	2.7	0.47
RM-2.9	SEPT 30	2300	NA	NA	32	0.21	1	1.4	2.4	0.26
RM-2.3	SEPT 30	0430	7	300	30	0.26	1	1.4	2.4	0.43

FOOTNOTES

NA - NOT ANALYZED

NAI NOT ANALYZED DUE TO INTERFERENCES

TABLE
WATER QUALITY RESULTS
ELEVENMILE CREEK
LAG SAMPLING (12 HR)

PRELIMINARY-SUBJECT
TO REVISION

CONCENTRATION (mg/l)

STATION	DATE	TIME	TSS	COLOR PTCO	TOC	NH3-N	NO2-NO3	TKN	TOTAL N	TOTAL P
L-8	SEPT 30	2000	2	25	14	1.6	9.9	4.1	14	5.8
L-7	SEPT 30	1930	16	960	90	1.9	0.26	5.1	5.36	0.72
RM-10.5	OCT 1	0030	22	650	69	1.1	0.84	3.8	4.64	0.65
RM-9.1	OCT 1	0200	14	480	46	0.84	0.71	2.4	3.11	0.43
RM-5.9	OCT 1	0630	13	440	44	1.2	1.1	2.3	3.4	0.37
T-1	OCT 1	1200	3	38	2.7	0.05U	0.29	0.22	0.51	0.04
RM-2.9	OCT 1	1100	12	300	32	0.61	0.89	1.6	2.49	0.44
T-2	OCT 1	1300	3	84	5.4	0.05U	0.06	0.35	0.41	0.02
RM-2.3	OCT 1	1600	NA	350	34	0.29	0.96	1.4	2.36	0.44
RM 1.1 (1')	OCT 1	1530	4.4	300	29	0.32	0.95	1.8	2.75	0.35
RM 1.1 (4')	OCT 1	1540	5.5	94	9	0.41	0.24	1.2	1.44	0.18
C-4 (1')	OCT 1	1415	4	400	26	0.3	0.92	1.4	2.32	0.21
C-4 (12')	OCT 1	1425	5	4.5	7.2	0.07	0.06	0.95	1.01	0.07

FOOTNOTES

NA - NOT ANALYZED

U - MATERIAL WAS ANALYZED FOR BUT NOT DETECTED

PRELIMINARY--SUBJECT
TO REVISION

TABLE
WATER QUALITY RESULTS
ELEVENMILE CREEK
LAG SAMPLING (24)

STATION	DATE	TIME	CONCENTRATION (mg/l)							
			TSS	COLOR PTCO	TOC	NH3-N	NO2-NO3	TKN	TOTAL N	TOTAL P
L-8	OCT 1	0800	75	28	NAI	5.1	16	11	27	7.4
L-7	OCT 1	0725	20	940	81	2.1	0.24	5.2	5.44	0.66
RM-10.5	OCT 1	1230	17	680	65	1.6	0.91	3.3	4.21	0.57
RM-9.1	OCT 1	1415	12	360	41	0.5	0.74	0.5	1.24	0.37
RM-5.9	OCT 1	1830	10	420	40	0.58	1.1	2	3.1	0.33
RM-2.9	OCT 1	2305	7	360	30	0.31	1.1	1.3	2.4	0.33
RM-2.3	OCT 1	0430	9	360	NA	0.4	1.1	1.6	2.7	0.24

FOOTNOTES

NA - NOT ANALYZED

NAI NOT ANALYZED DUE TO INTERFERENCES

PRELIMINARY-SUBJECT
TO REVISION

TABLE
WATER QUALITY RESULTS
ELEVENMILE CREEK
LAG SAMPLING (36)

STATION	DATE	TIME	CONCENTRATION (mg/l)							
			TSS	COLOR PTCO	TOC	NH3-N	NO2-NO3	TKN	TOTAL N	TOTAL P
L-8	OCT 1	2000	2.8	20	14	1.7	13	4.3	17.3	6
L-7	OCT 1	1923	16	900	92	1.8	0.25	5.4	5.65	0.8
RM-10.5	OCT 2	0025	23	740	68	1	0.91	3.3	4.21	0.67
RM-9.1	OCT 2	0200	13	560	46	0.61	0.82	2.2	3.02	0.45
RM-5.9	OCT 2	0645	13	400	40	0.83	1.1	2.4	3.5	0.39
RM-2.9	OCT 2	1100	10	380	32	0.46	1.2	1.7	2.9	0.29
RM-2.3	OCT 2	1630	10	390	29	0.5	1.1	1.6	0.27	0.27
RM 1.1 (1')	OCT 2	1605	6	300	28	0.3	0.99	2.4	3.39	0.23
RM 1.1 (4')	OCT 2	1610	5	46	7.5	0.11	0.17	1.8	1.97	0.08
C-4 (1')	OCT 2	1610	2.5	280	26	0.05U	0.23	1.3	1.52	0.22
C-4 (10')	OCT 2	1550	3.6	29	6.6	0.05U	0.05U	0.66	0.71	0.09

FOOTNOTES

NA - NOT ANALYZED

U - MATERIAL WAS ANALYZED FOR BUT NOT DETECTED

PRELIMINARY-SUBJECT
TO REVISION

TABLE
WATER QUALITY RESULTS
UPPER PERDIDO BAY
HIGH TIDE SAMPLING

STATION	DEPTH (FT)	DATE	TIME	CONCENTRATION (mg/l)								
				ORTHO P	TSS	COLOR PTCO	TOC	NH3-N	NO2-NO3	TKN	TOTAL N	TOTAL P
C-14.5	3	OCT 3	1015	0.02 U	6	20	5.9	0.08	0.05 U	0.63	0.63	0.02
C-14.5	9	OCT 3	1020	0.02 U	7	20	6	0.09	0.05 U	0.57	0.62	0.02
C-14	4	OCT 3	1100	0.02 U	32	32	7.5	0.07	0.05 U	0.87	0.92	0.02
C-13	2	OCT 3	1130	0.02 U	30	36	7.5	0.1	0.05 U	0.81	0.86	0.02
C-12	3	OCT 3	1240	0.02 U	10	36	7.5	0.12	0.05 U	0.92	0.97	0.02
C-11.5	4	OCT 3	1215	0.02 U	14	35	7.5	0.12	0.05 U	0.8	0.95	0.02
C-11	3	OCT 3	1150	0.02 U	17	31	7.5	0.14	0.05 U	0.75	0.8	0.02
C-10	4	OCT 3	0930	0.02 U	5	30	5.6	0.05 U	0.05 U	0.51	0.66	0.02
C-9	3	OCT 3	1300	0.02 U	31	36	7.5	0.13	0.05 U	0.73	0.78	0.02
C-8.5	4	OCT 3	1150	0.02 U	6	35	6.4	0.05 U	0.05 U	0.62	0.67	0.02
C-8	2	OCT 3	1230	0.02 U	11	35	7	0.05 U	0.05 U	0.68	0.73	0.02
C-7.5	2	OCT 3	1305	0.02 U	10	28	6.6	0.06	0.05 U	0.67	0.72	0.02
C-6	3	OCT 3	1340	0.02 U	4	25	5	0.05	0.16	0.59	0.75	0.02
C-5	18	OCT 3	1350	0.02 U	2 U	40	5.9	0.52	0.05 U	0.85	0.9	0.03
C-4	3	OCT 3	1500	NA	7	180	21	0.25	0.5	1.1	1.6	0.03
C-4	7	OCT 3	1505	NA	4	35	6.5	0.17	0.05	0.74	0.79	0.03
C-3	2	OCT 3	1440	NA	5	180	18	0.27	0.45	1.2	1.65	0.13
C-3	15	OCT 3	1445	NA	6	40	6.5	0.35	0.05 U	0.82	0.87	0.03
C-2	2	OCT 3	1350	NA	12	180	34	0.38	1.1	1.4	2.5	0.28

*FOOTNOTES

U - MATERIAL WAS ANALYZED FOR BUT NOT DETECTED
NA - NOT ANALYZED

PRELIMINARY-SUBJECT
TO REVISION

TABLE
WATER QUALITY RESULTS
UPPER PERDIDO BAY
LOW TIDE SAMPLING

STATION	DEPTH (FT)	DATE	TIME	CONCENTRATION (mg/l)								
				ORTHO P	TSS	COLOR PTCO	TOC	NH3-N	NO2-NO3	TKN	TOTAL N	TOTAL P
C-14.5	4	OCT 3	2115	0.02 U	12	32	6.5	0.06	0.05 U	0.65	0.7	0.02
C-14.5	8.5	OCT 3	2120	0.02 U	16	24	5.6	0.05 U	0.05 U	0.58	0.63	0.02
C-14	3	OCT 3	2145	0.02 U	16	32	6.9	0.05	0.05 U	0.61	0.66	0.02
C-13	2.5	OCT 3	2215	0.02 U	27	32	7.6	0.05 U	0.05 U	0.66	0.71	0.02
C-12	2.5	OCT 3	2325	0.02 U	9	36	7.3	0.05 U	0.05 U	0.63	0.68	0.5
C-11.5	3	OCT 3	2300	0.02 U	10	40	7.3	0.05	0.05 U	0.67	0.72	0.02
C-11	3	OCT 3	2240	0.02 U	8	36	6.9	0.05 U	0.05 U	0.7	0.75	0.02
C-10	3.5	OCT 3	2320	0.02 U	5	39	6.5	0.05 U	0.05 U	0.69	0.74	0.02
C-9	3	OCT 3	2120	0.02 U	7	39	6.5	0.05 U	0.05 U	0.76	0.81	0.02
C-8.5	3	OCT 3	2300	0.02 U	8	35	6.1	0.08	0.05 U	0.63	0.68	0.02
C-8	2.5	OCT 3	2245	0.02 U	8	45	8.4	0.05 U	0.05 U	1	1.05	0.02
C-7.5	3	OCT 3	2135	0.02 U	4	70	9.3	0.07	0.11	0.91	1.02	0.02
C-6	3	OCT 3	2045	0.02 U	4	27	4.3	0.05 U	0.08	0.44	0.52	0.02
C-6	18	OCT 3	2040	0.02 U	5	31	7.8	0.05 U	0.06	1.1	1.16	0.02

*FOOTNOTES

U - MATERIAL WAS ANALYZED FOR BUT NOT DETECTED

TABLE
WATER QUALITY RESULTS
UPPER PERDIDO BAY
HIGH TIDE SAMPLING

PRELIMINARY-SUBJECT
TO REVISION

STATION	DEPTH (FT)	DATE	TIME	CONCENTRATION (mg/l)							
				TSS	COLOR PTCO	TOC	NH3-N	NO2-NO3	TKN	TOTAL N	TOTAL P
C-14.5	4	OCT 4	1130	4	24	5.5	0.12	0.13	0.61	0.74	0.02 U
C-14.5	9	OCT 4	1135	9.5	24	5.5	0.09	0.05 U	0.67	0.72	0.02 U
C-14	4	OCT 4	1200	14	30	6.4	0.05 U	0.05 U	0.79	0.34	0.02 U
C-13	3	OCT 4	1250	5	30	6.4	0.09	0.05 U	0.96	1.01	0.02 U
C-12	3.5	OCT 4	1340	3.2	30	6.4	0.05 U	0.05 U	0.72	0.77	0.02 U
C-11.5	3.5	OCT 4	1345	5	37	6.4	0.05 U	0.05 U	0.69	0.74	0.02 U
C-11	2	OCT 4	1410	3.5	41	6.8	0.3	0.05 U	0.81	0.86	0.02 U
C-11	6	OCT 4	1450	7	26	5.8	0.05 U	0.05 U	0.67	0.72	0.02 U
C-10	3	OCT 4	1150	4	29	6.4	0.05 U	0.07	0.71	0.78	0.02 U
C-9	3	OCT 4	1220	8	35	6.8	0.05 U	0.05 U	0.72	0.77	0.02 U
C-8.5	3	OCT 4	1133	6.5	32	7.2	0.05 U	0.05 U	0.7	0.75	0.02 U
C-8	3	OCT 4	1210	6	31	8.5	0.05 U	0.05 U	1.1	1.15	0.02 U
C-7.5	3	OCT 4	1350	5	37	6.4	0.05 U	0.05 U	0.84	0.89	0.02 U
C-6	3	OCT 4	1300	2.5	24	4.7	0.05	0.15	0.53	0.68	0.02 U
C-6	19	OCT 4	1305	2	37	5.4	0.35	0.05 U	0.86	0.91	0.02 U

*FOOTNOTES

U - MATERIAL WAS ANALYZED FOR BUT NOT DETECTED

TABLE
WATER QUALITY RESULTS
UPPER PERDIDO BAY
LOW TIDE SAMPLING

PRELIMINARY-SUBJECT
TO REVISION

STATION	DEPTH (FT)	DATE	TIME	CONCENTRATION (mg/l)							
				TSS	COLOR PTCO	TCC	NH3-N	NO2-NO3	TKN	TOTAL N	TOTAL P
C-14.5	3	OCT 4	2240	4	26	6.8	0.05 U	0.05	0.93	0.98	0.02 U
C-14.5	7	OCT 4	2245	7	22	4.9	0.05 U	0.05	1.1	1.15	0.02 U
C-14	3	OCT 4	2310	3.5	37	6.4	0.05 U	0.05	0.83	0.88	0.02 U
C-13	3	OCT 5	0045	4	36	6.6	0.05 U	0.05	0.91	0.96	0.02 U
C-12	3	OCT 5	0020	4.5	38	7.2	0.05 U	0.05 U	0.83	0.88	0.02 U
C-11.5	3	OCT 4	2355	4	36	6.8	0.05 U	0.05	0.94	0.99	0.02 U
C-11	3	OCT 4	2335	3	28	6.8	0.05	0.05	0.92	0.97	0.02 U
C-10	2	OCT 5	0005	4	43	7.5	0.05 U	0.08	0.88	0.96	0.02 U
C-9	3	OCT 4	2340	5.5	35	7.4	0.05 U	0.05 U	0.87	0.92	0.02 U
C-8.5	2	OCT 4	2350	3.5	37	6.4	0.05 U	0.05 U	0.67	0.72	0.02 U
C-8	4	OCT 4	2235	3.5	75	10	0.05 U	0.12	1	1.12	0.02 U
C-7.5	2	OCT 4	2250	4	28	6.8	0.05 U	0.16	0.74	0.9	0.02 U
C-6	2	OCT 4	2215	3.5	22	3.7	0.05 U	0.11	0.49	0.6	0.02 U
C-6	8	OCT 4	2220	4	34	6.4	0.05 U	0.09	0.89	0.97	0.02 U

*FOOTNOTES

U - MATERIAL WAS ANALYZED FOR BUT NOT DETECTED

PRELIMINARY-SUBJECT
TO REVISION

TABLE
WATER COLUMN PRIMARY PRODUCTION and RESPIRATION
PERDIDO BAY and ELEVENMILE CREEK
SEPTEMBER 1987

Rates (gm O2/M2/DAY)*				
STATION	DATE	GPP	R	GPP:R
RM 10.5	9/29/87	0	0.48	0
RM 5.9	9/29/87	0.35	0.48	0.25
RM 1.9	9/29/87	1.19	2.47	0.17
RM 1.2	9/29/87	2.44	4.8	0.16
C-8	9/30/87	5.34	3.84	1.39
C-11	9/30/87	4.08	3.12	1.31
C-12	9/30/87	3.35	4.32	0.78
C-14	9/30/87	3.36	2.88	1.17
C-16	9/30/87	4.44	4.8	0.93

* GPP Rates based upon 12 hours of daylight and
419 langleys of solar radiation

R rates based upon a 24 hour day

Solar radiation 9/29/87 @ 144 ly/day

9/30/87 @ 419 ly/day

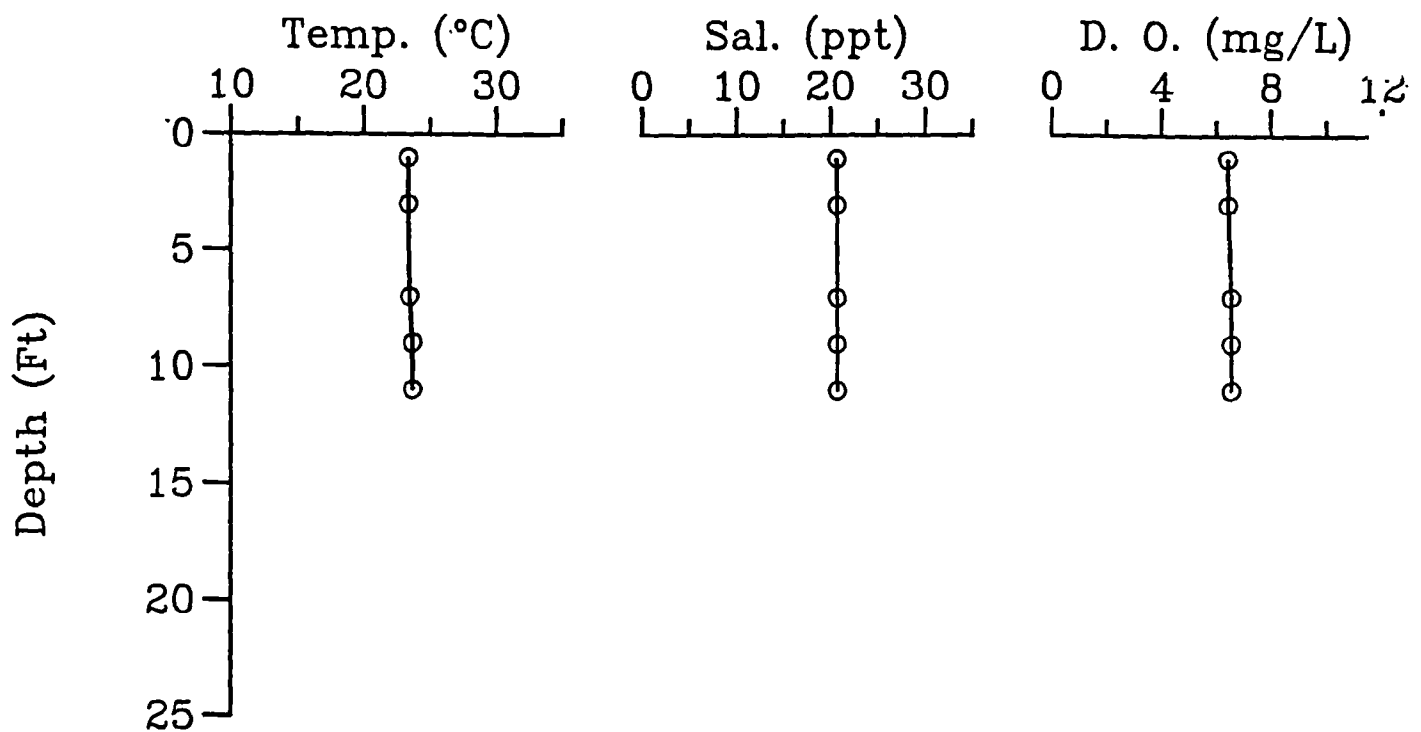
PRELIMINARY-SUBJECT
TO REVISION

TABLE
BOTTOM WATER CHEMICAL RESULTS
STATION C-4 in ELEVENMILE CREEK

DOME #	DATE	TIME	INCUBATE TIME (HR)	WATER CONCENTRATION (MG/L)						
				SULFIDES	NH3-N	NO2-NO3	TKN	TOTAL N	TOTAL P	TOC
				=====	=====	=====	=====	=====	=====	=====
0 CLOSED	OCT 3	1200	INITIAL	1.4	0.49	0.14	1.3	1.44	0.15	11
	OCT 3	1730	5.5	3	0.6	0.05U	1.3	1.3	0.1	8.3
	OCT 4	1440	26.67	4.2	0.62	0.05U	1.3	1.3	0.1	6
1	OCT 3	1210	INITIAL	4.2	0.67	0.05U	1.7	1.7	0.2	12
	OCT 3	1725	5.25	6.1	0.89	0.05U	1.7	1.7	0.47	9.3
	OCT 4	1445	26.58	14	1.6	0.05U	2.3	2.3	0.27	16
3	OCT 3	1220	INITIAL	0.13	0.64	0.05U	1.4	1.4	0.14	8
	OCT 3	1720	5.0	4.2	0.81	0.05U	1.8	1.8	0.16	8.5
	OCT 4	1435	26.25	8.1	1.3	0.05U	2	2.05	0.22	8

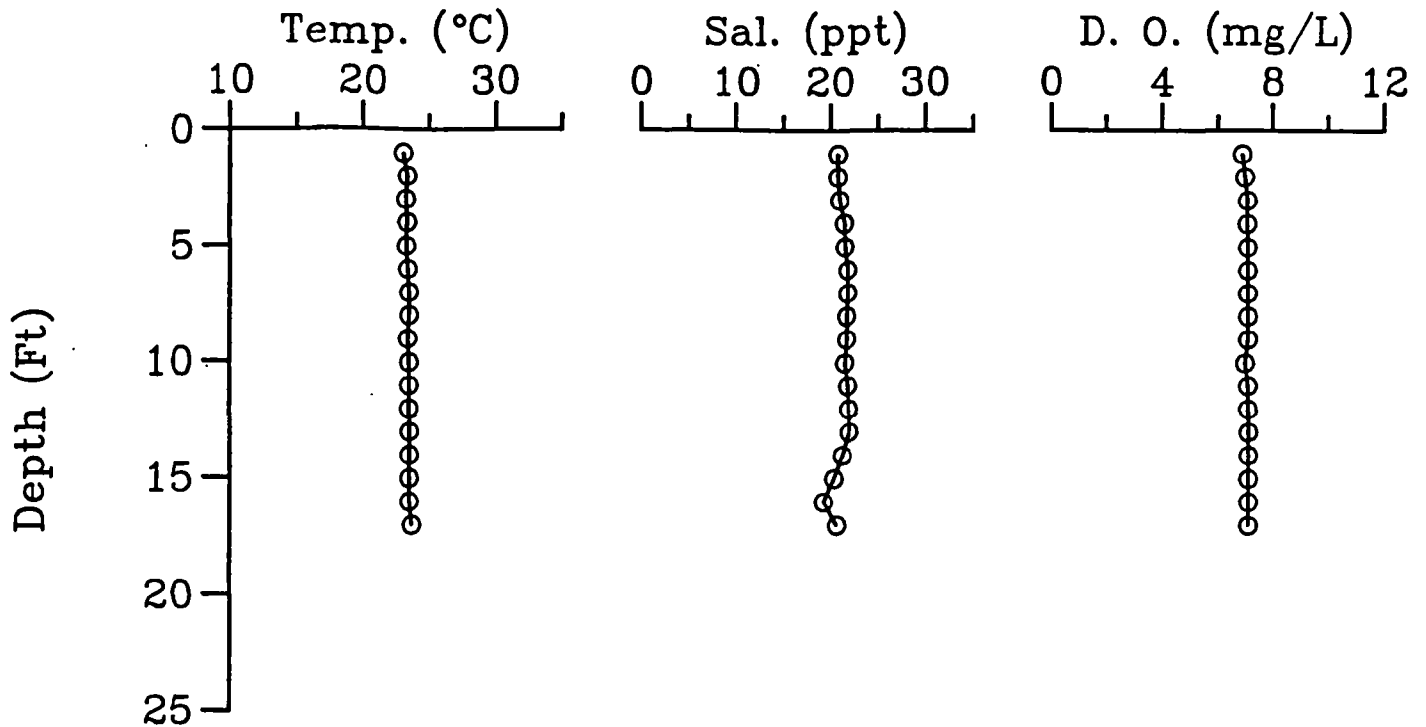
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-17
10/03/87
- 0907



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-17
10/03/87
2006



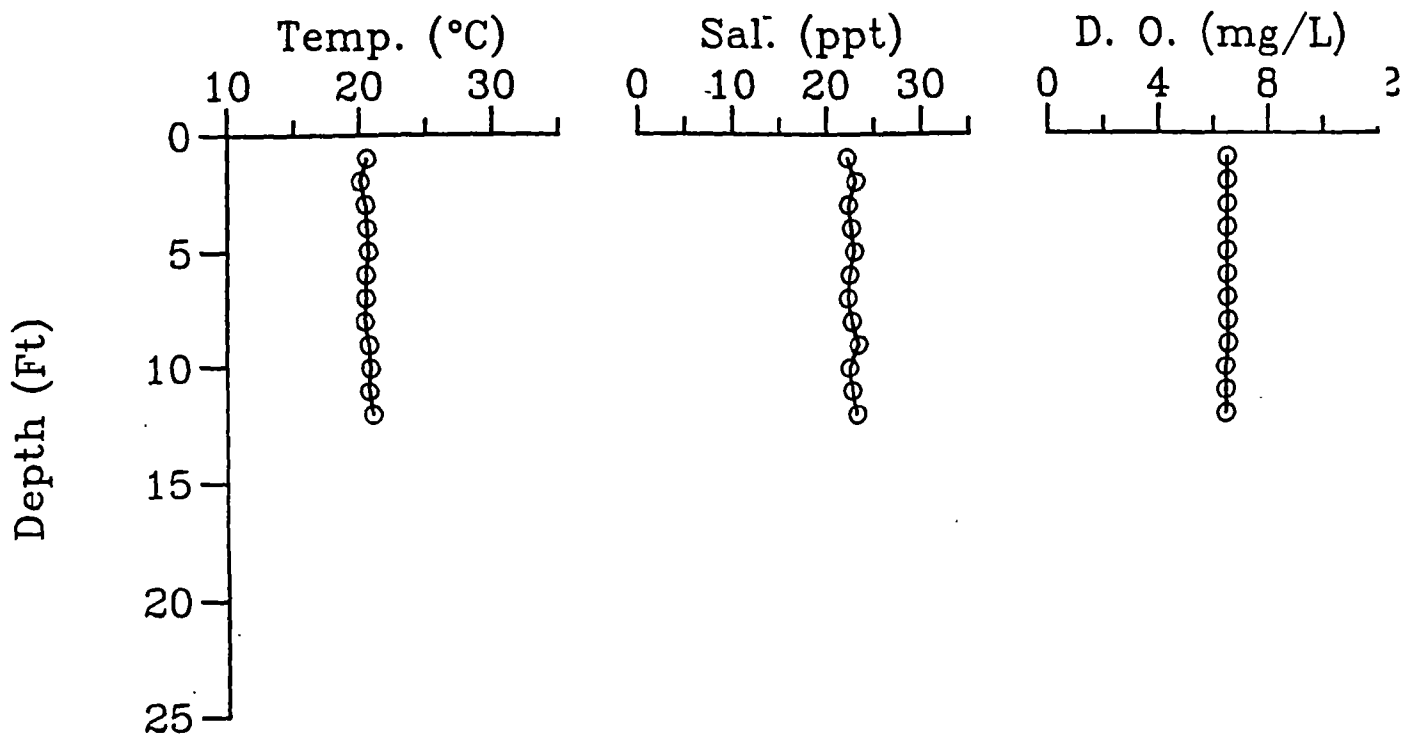
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES

STATION C-17

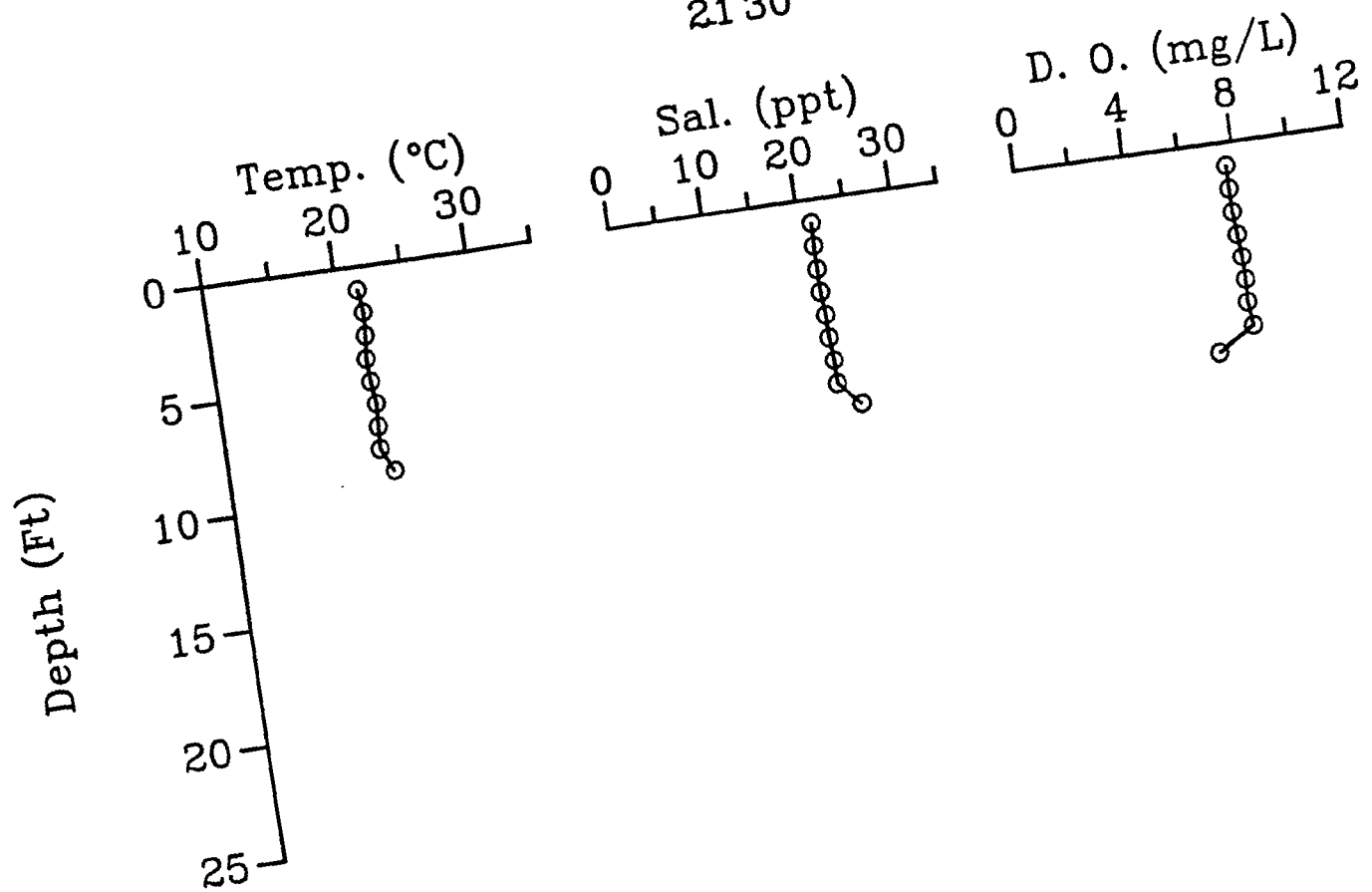
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0950



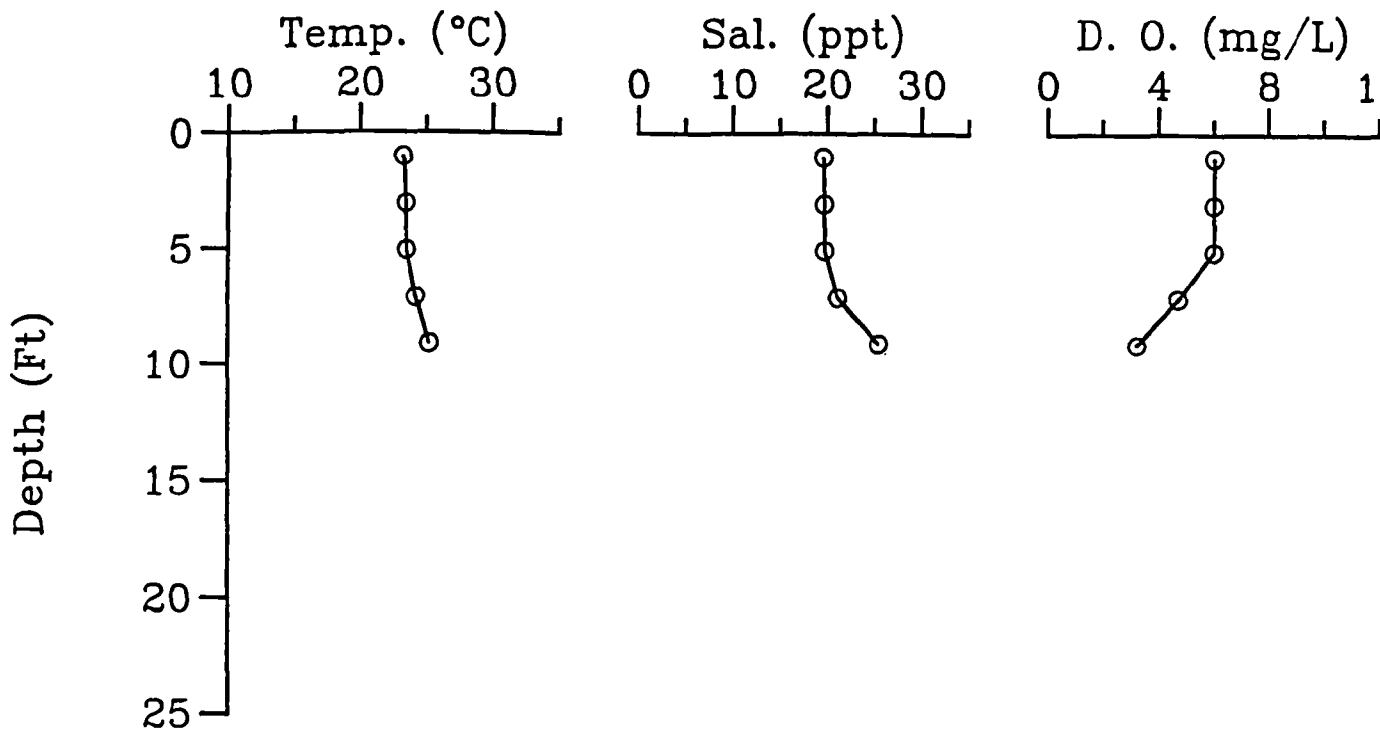
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-17
10/04/87
2130



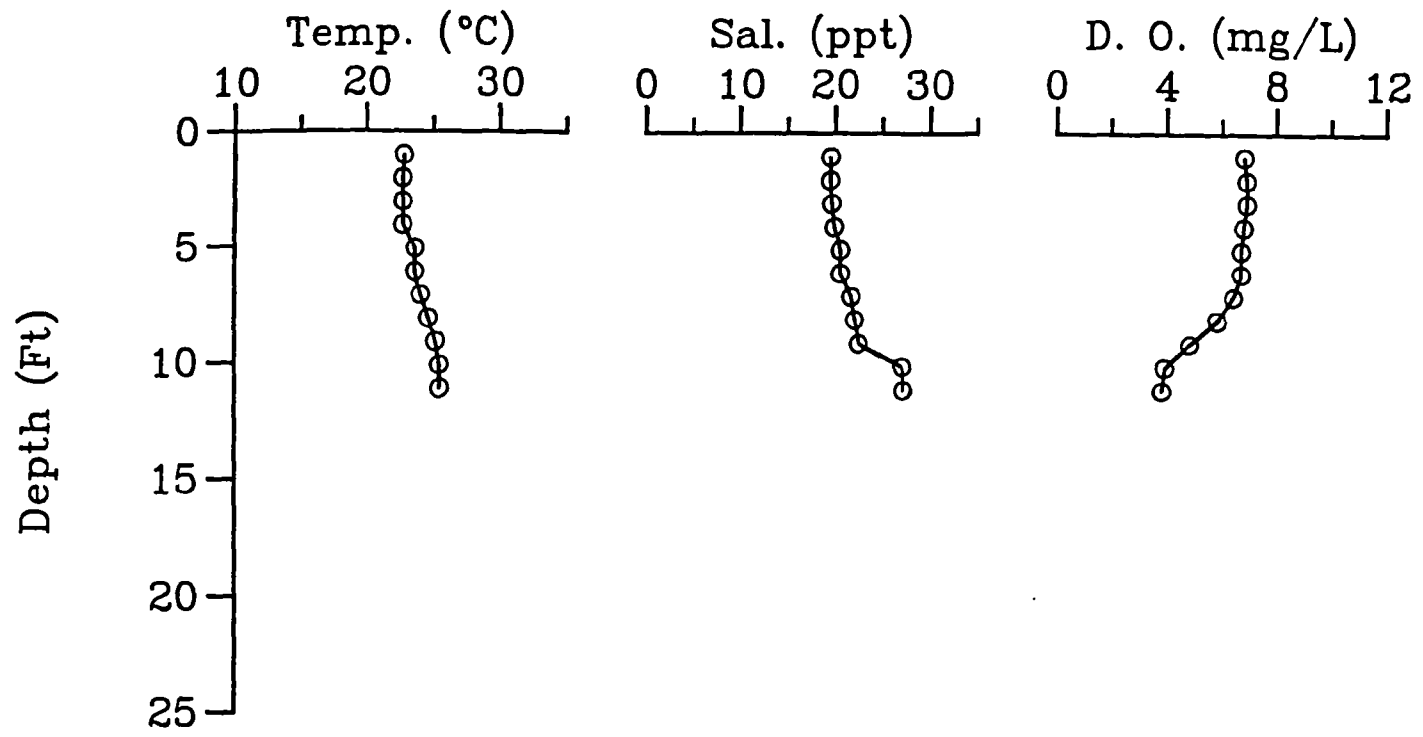
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-16
10/03/87
0935



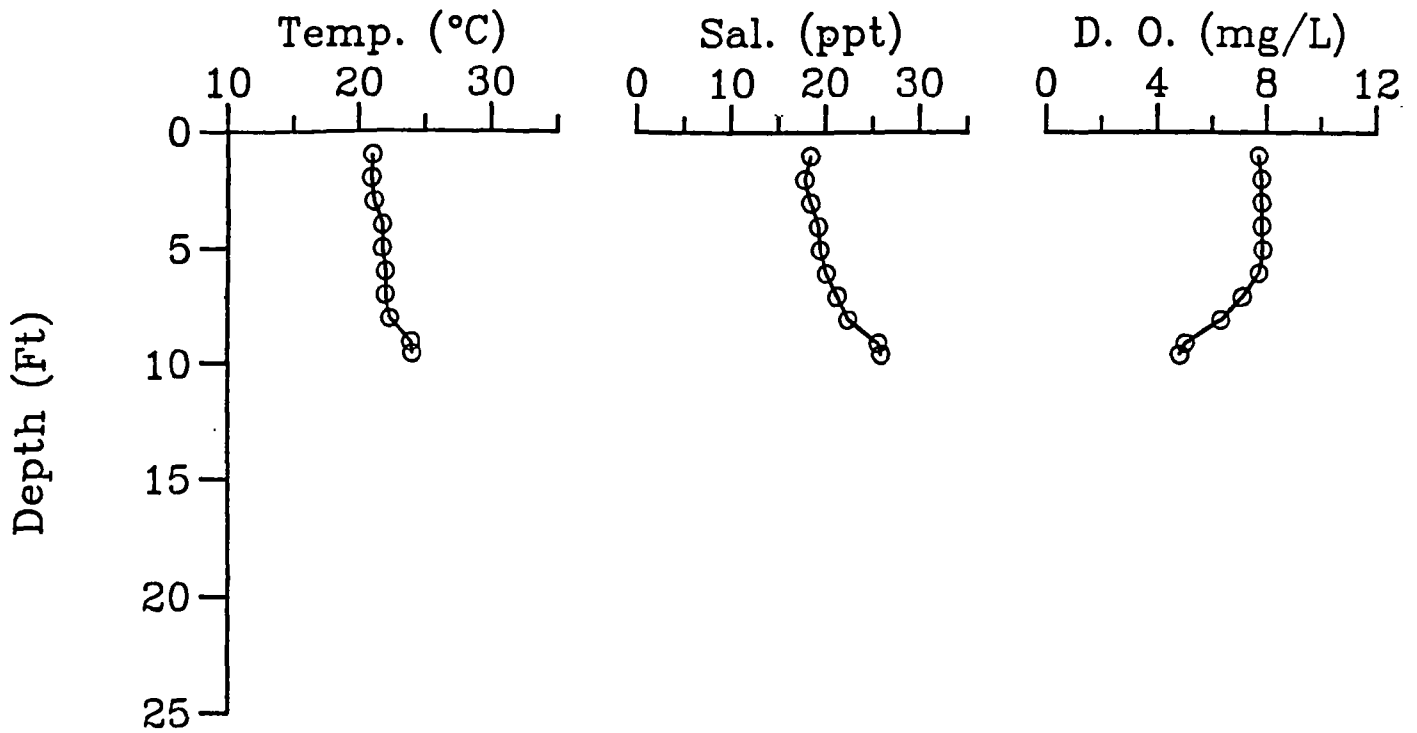
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-16
10/03/87
2029



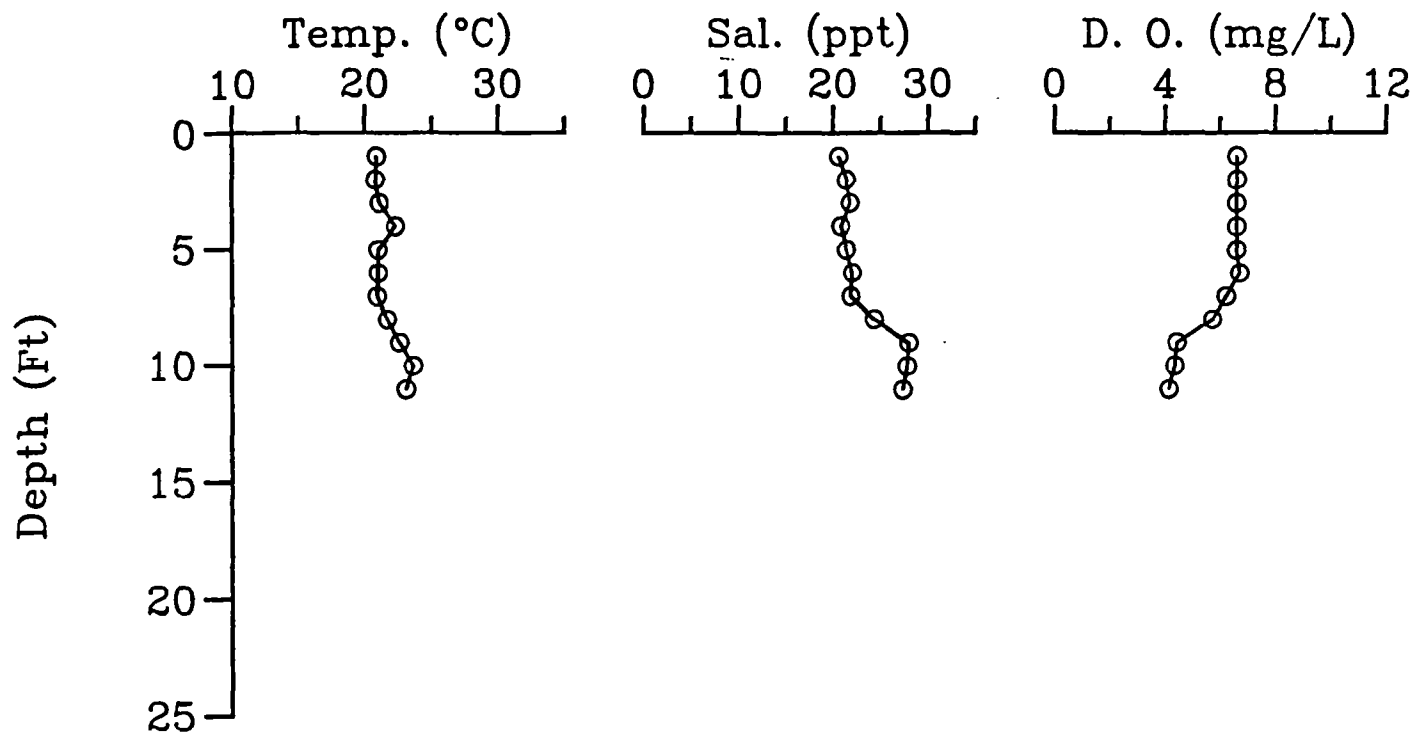
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-16
10/04/87
1000



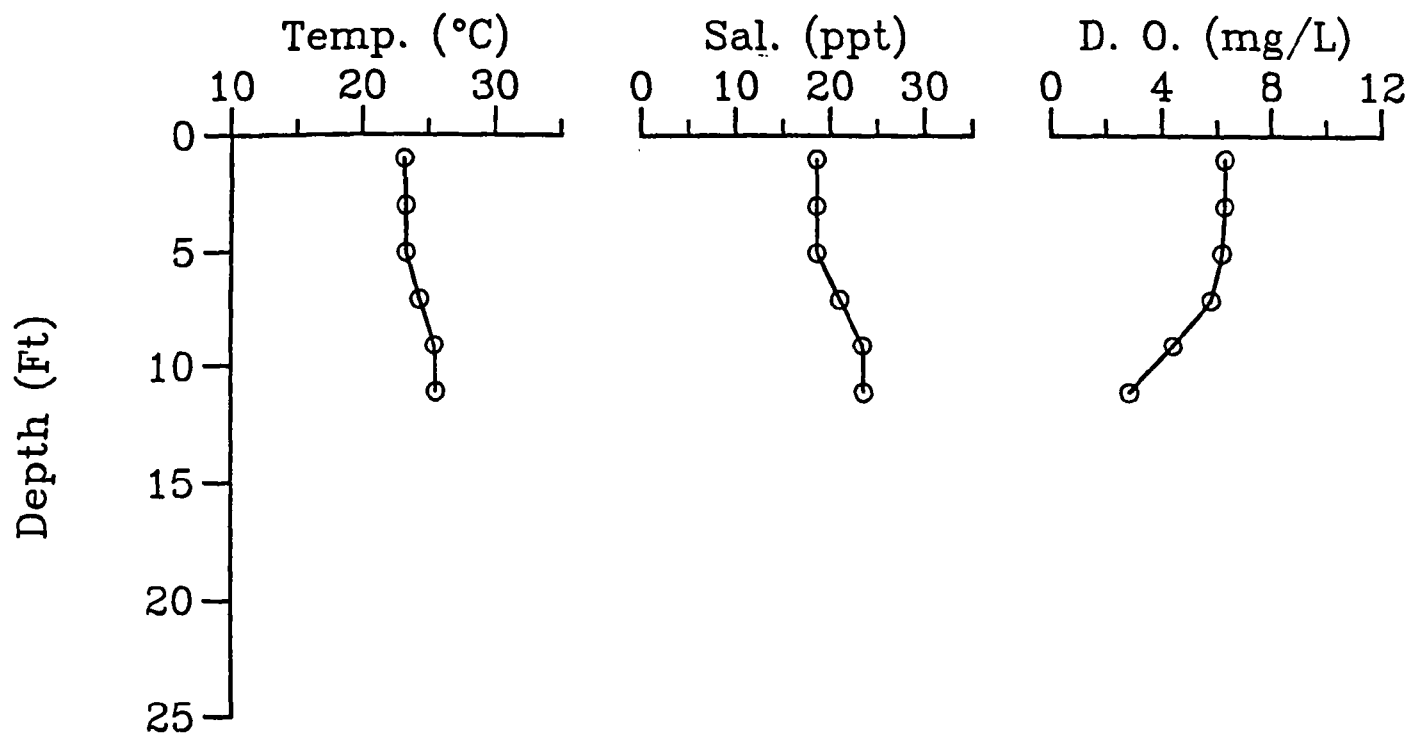
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-16
10/04/87
1030



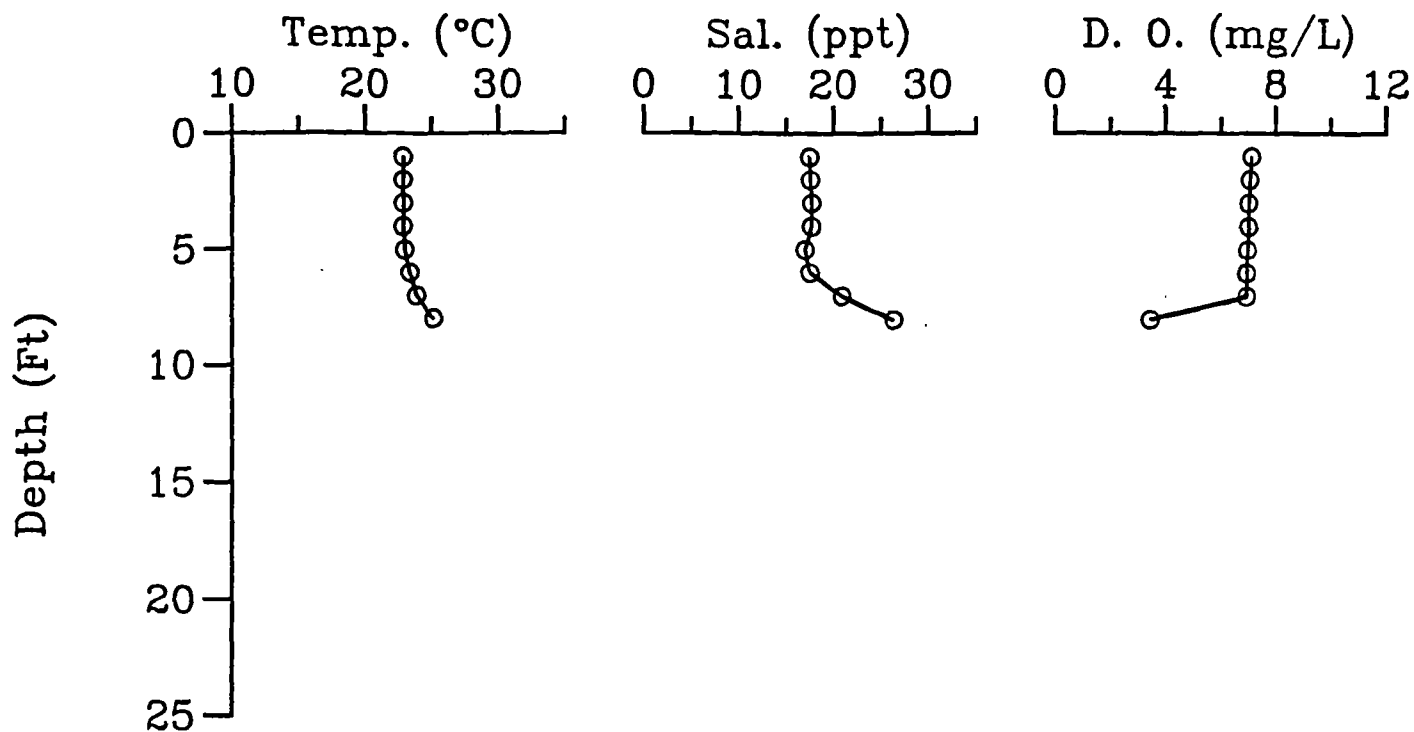
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TO REVISION

FIGURE
D S T PROFILES
STATION C-15
10/03/87
0955



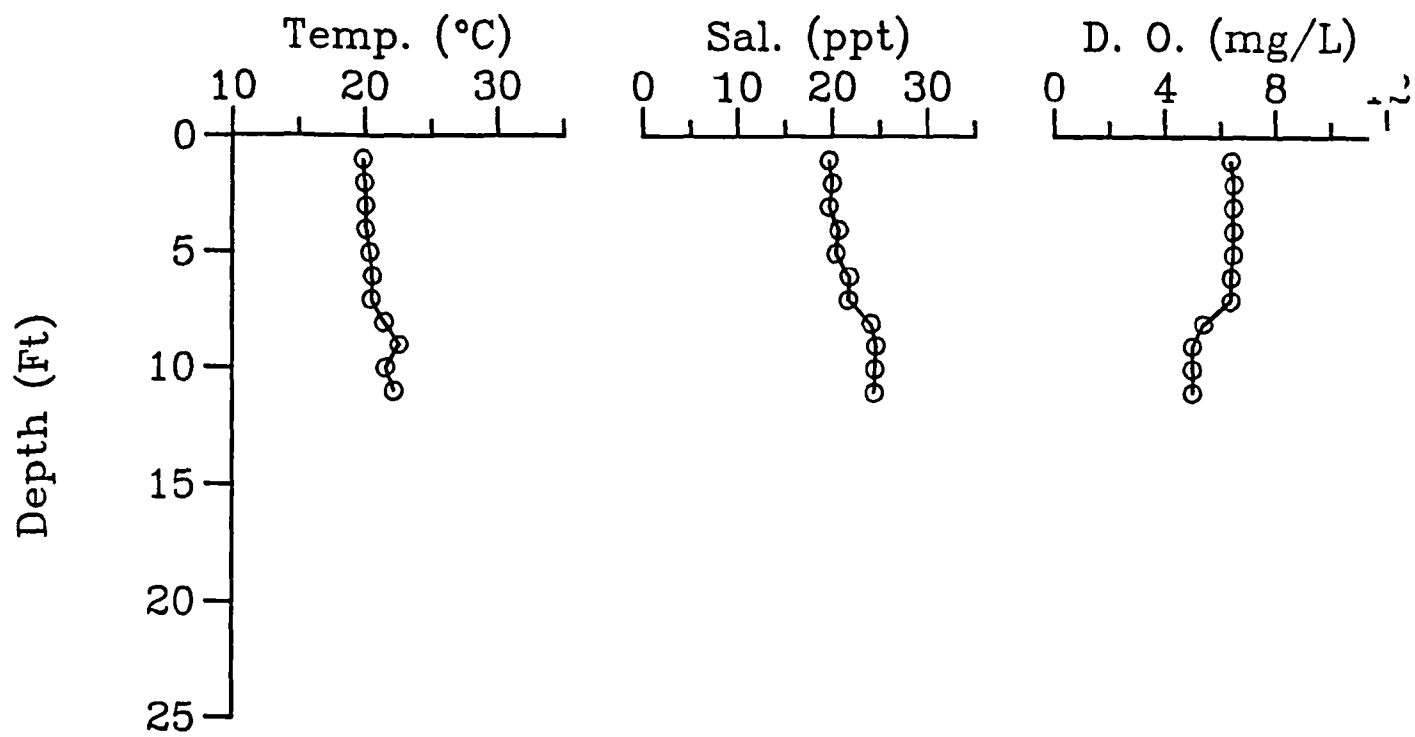
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-15
10/03/87
2051



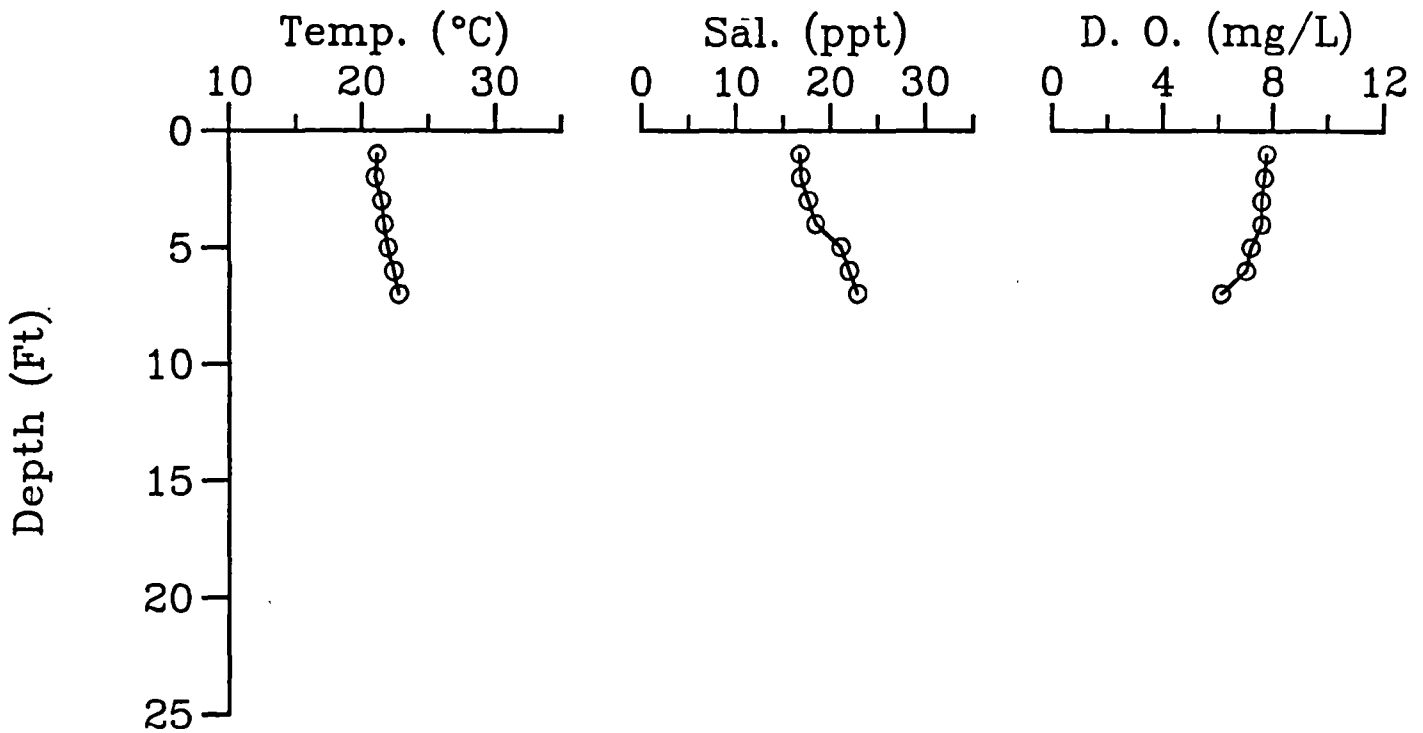
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-15
10/04/87
1055



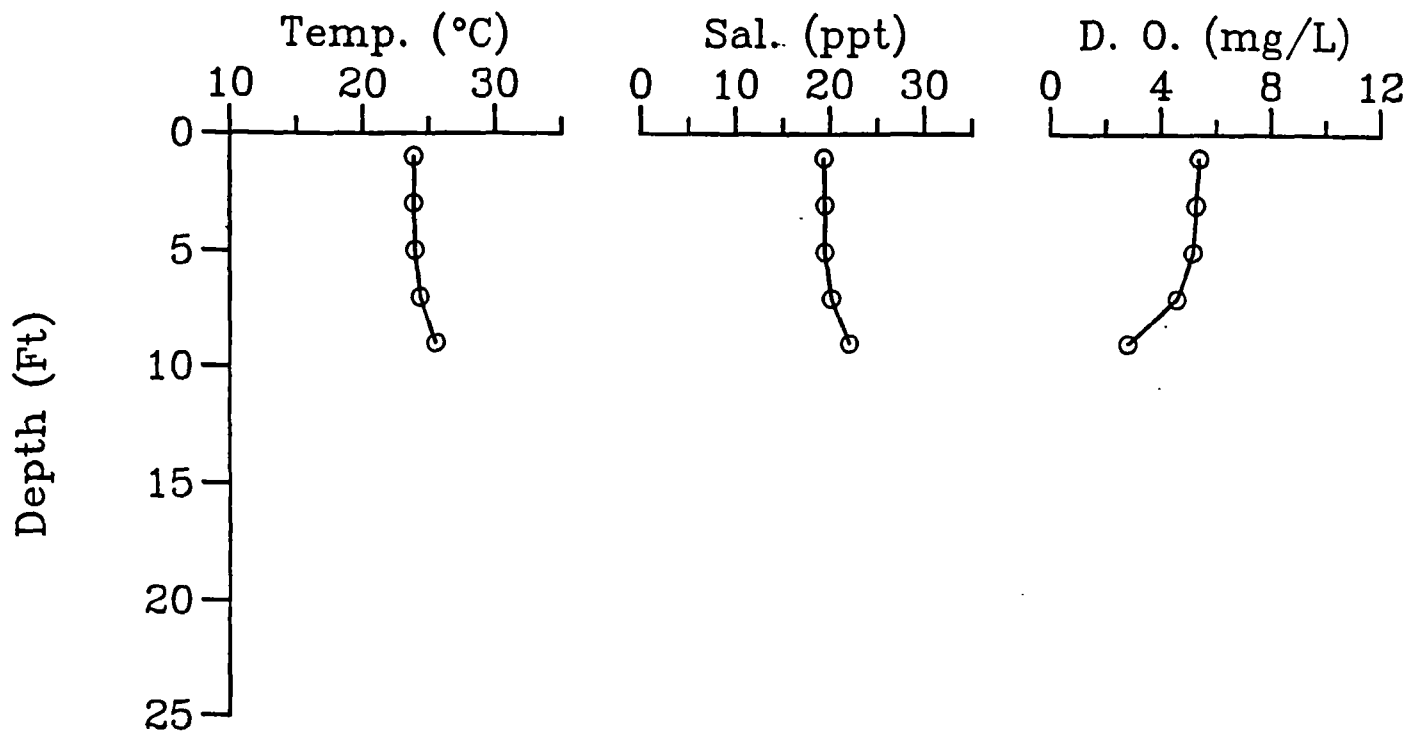
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-15
10/04/87
1220



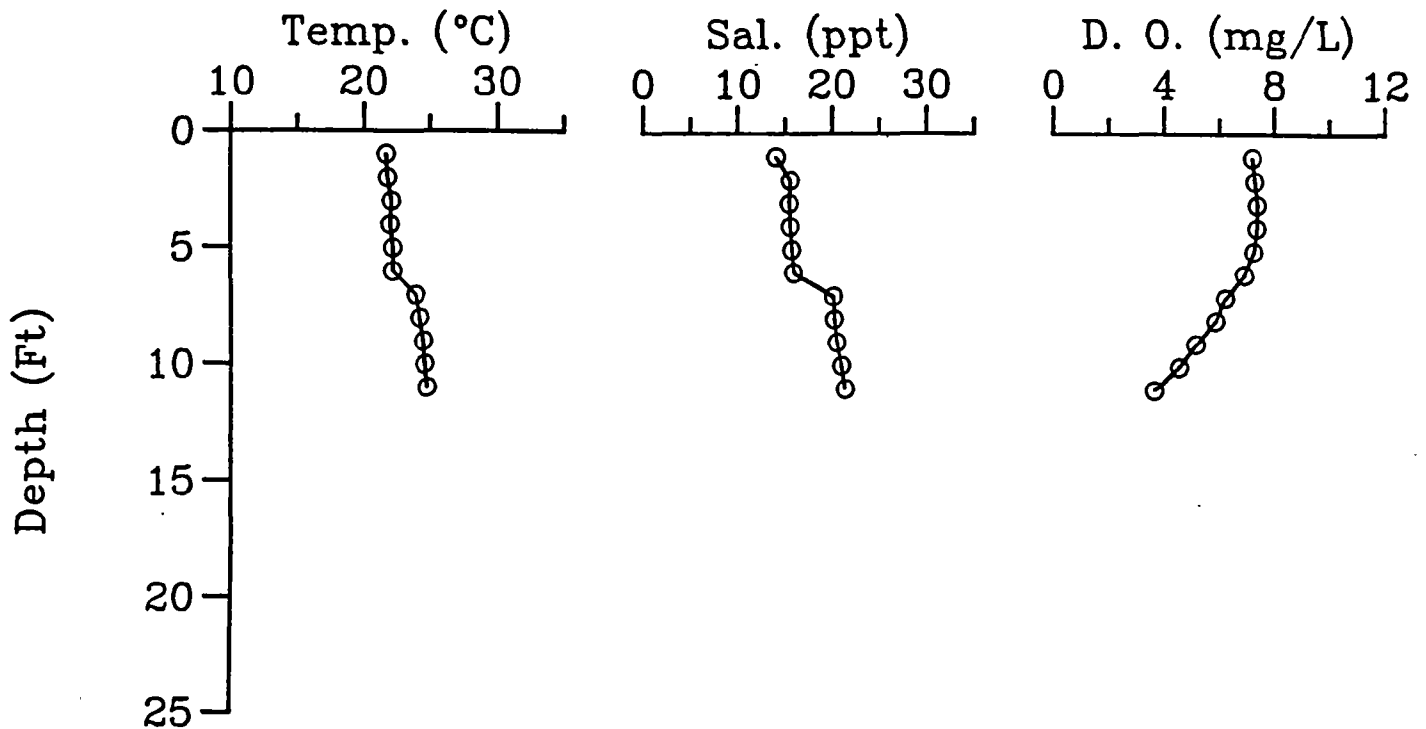
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14.5
10/03/87
10 10



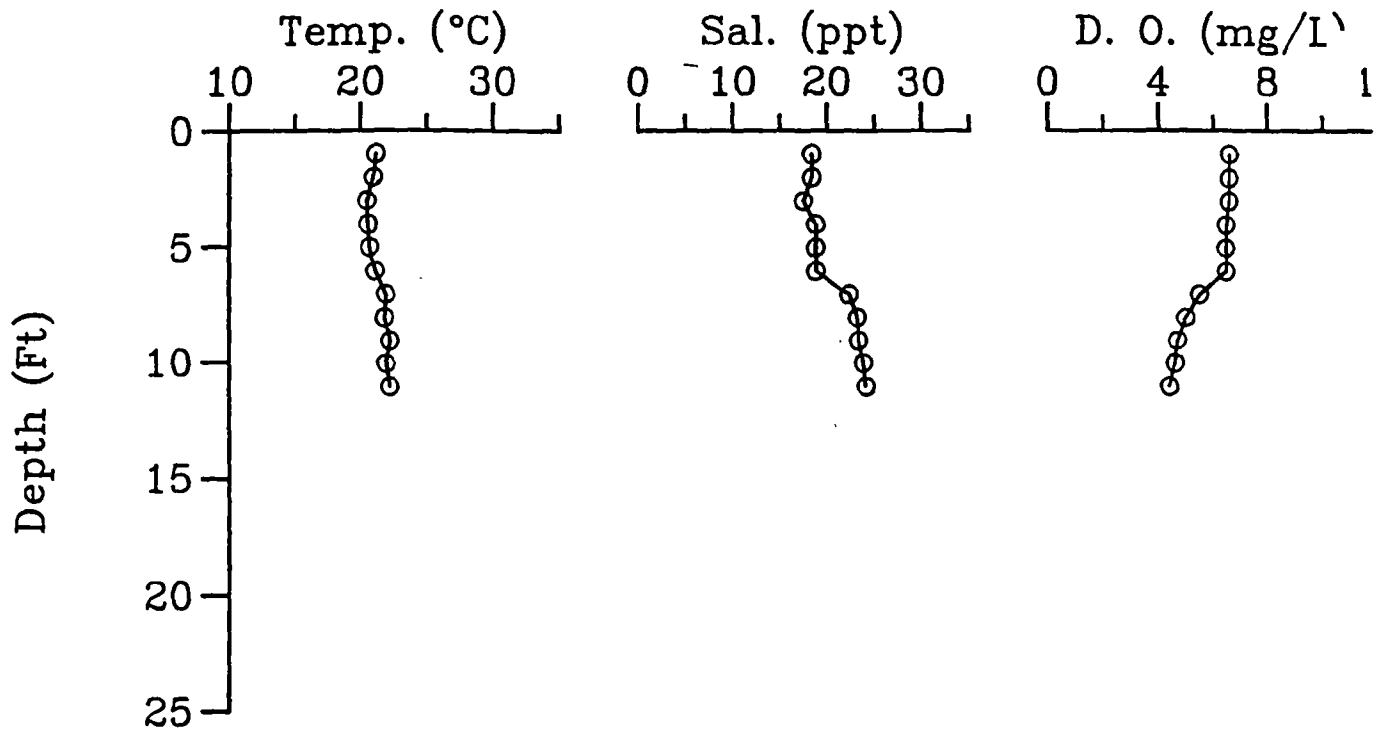
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14.5
10/03/87
2105



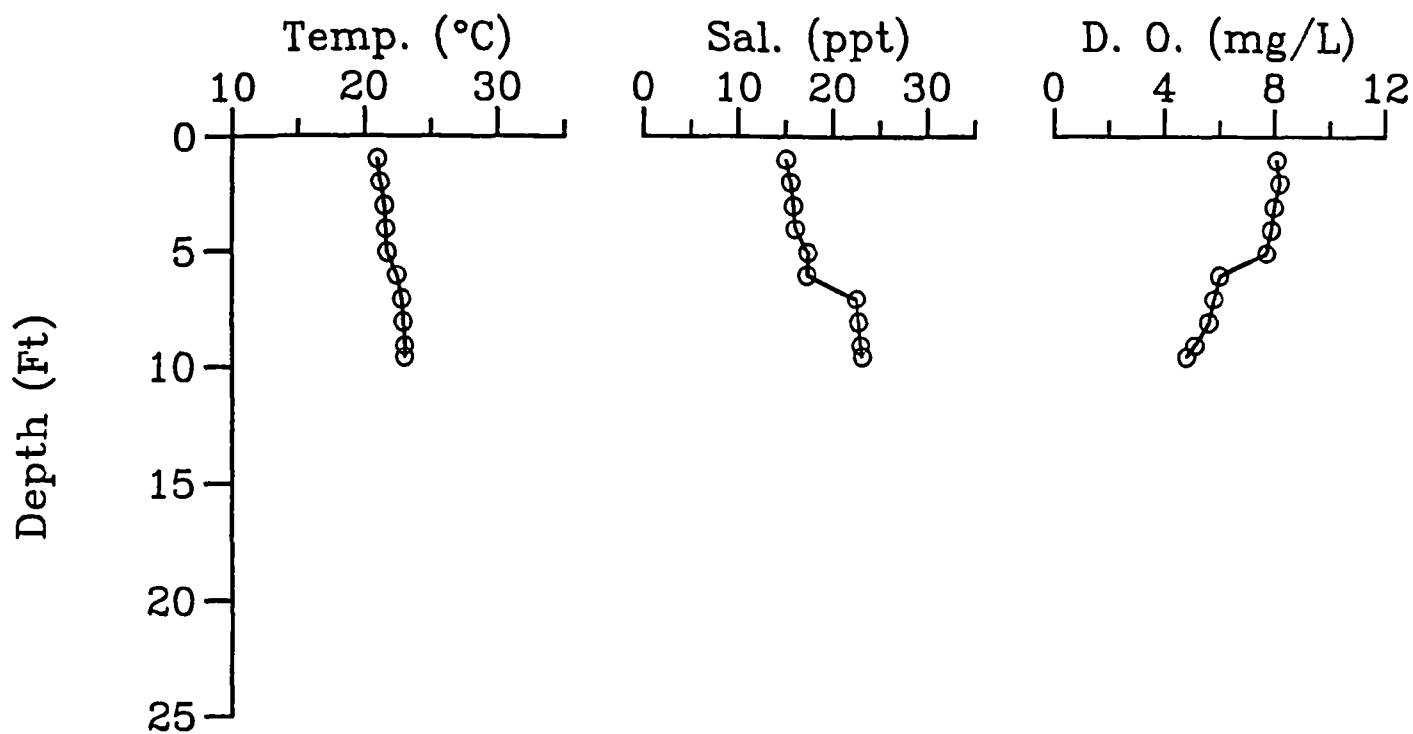
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14.5
10/04/87
1120



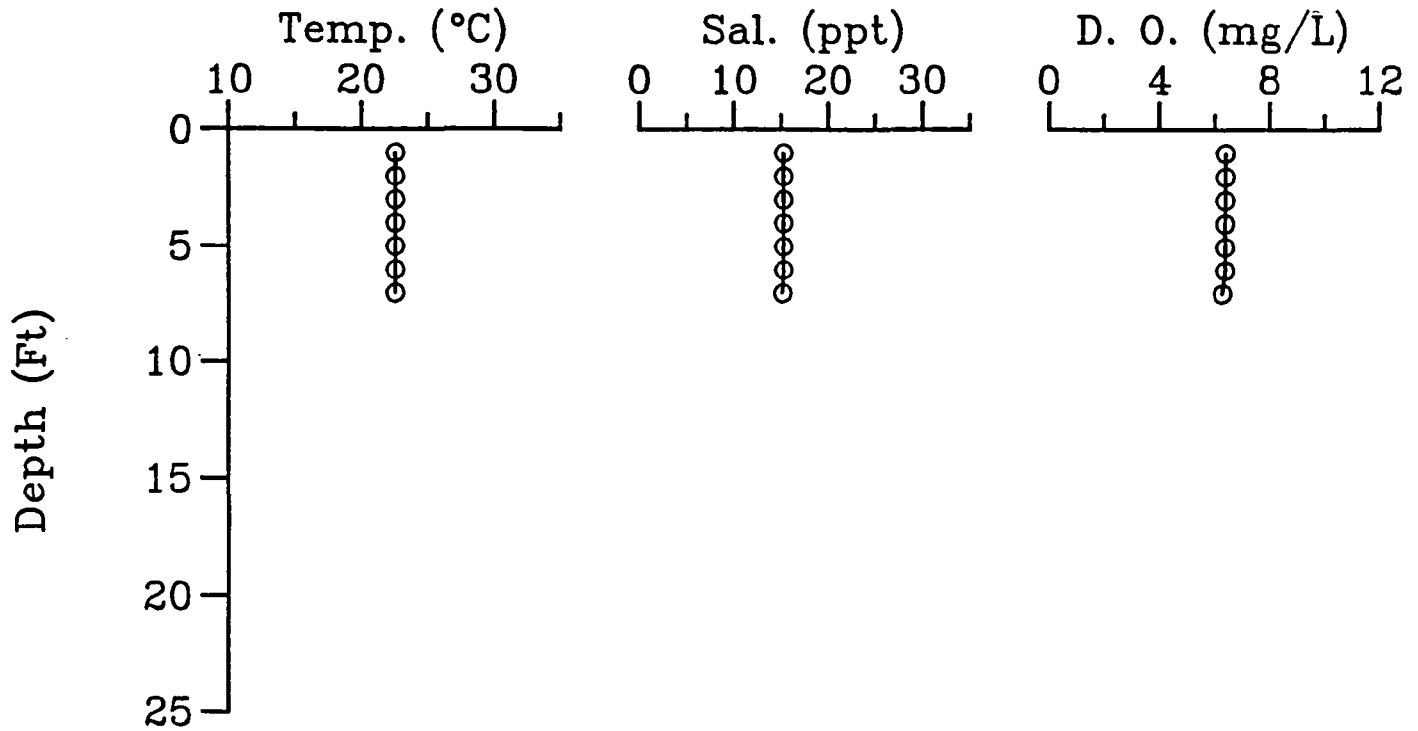
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14.5
10/04/87
2230



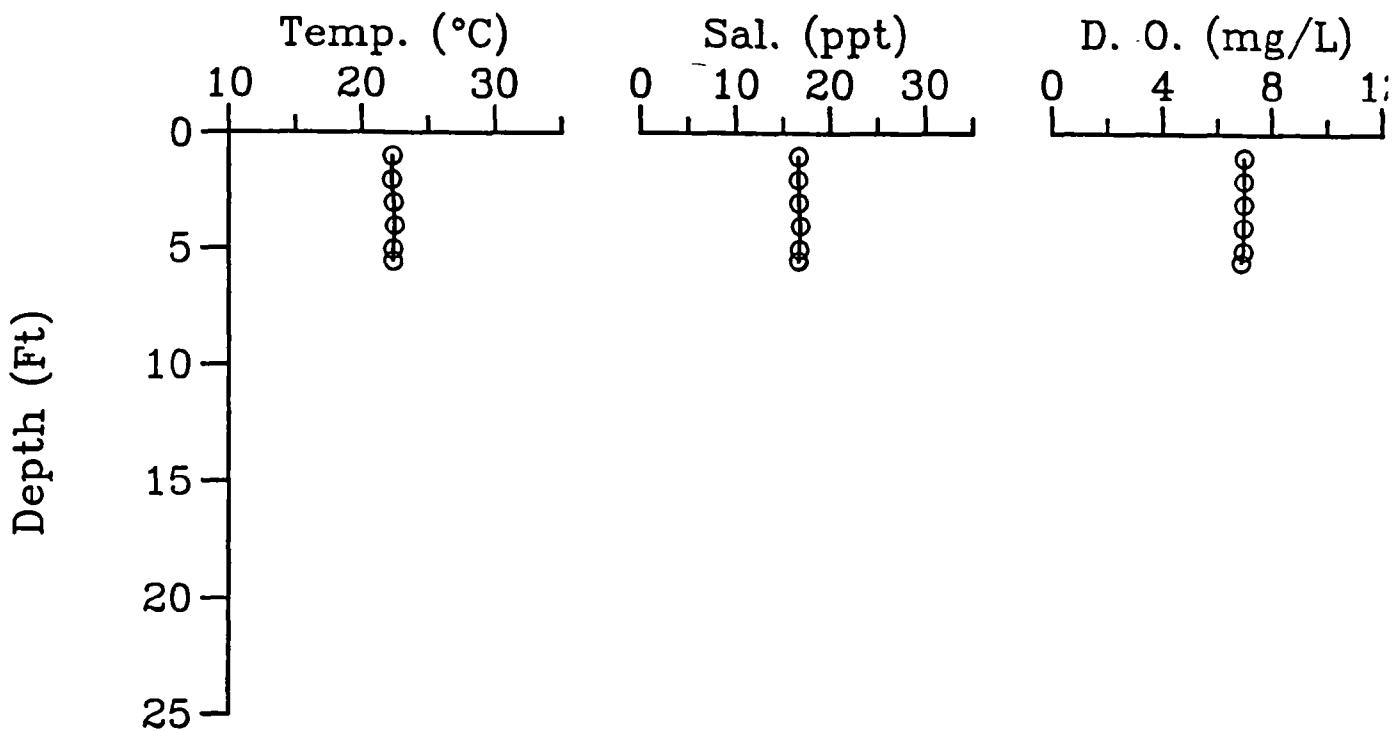
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14
10/03/87
10 50



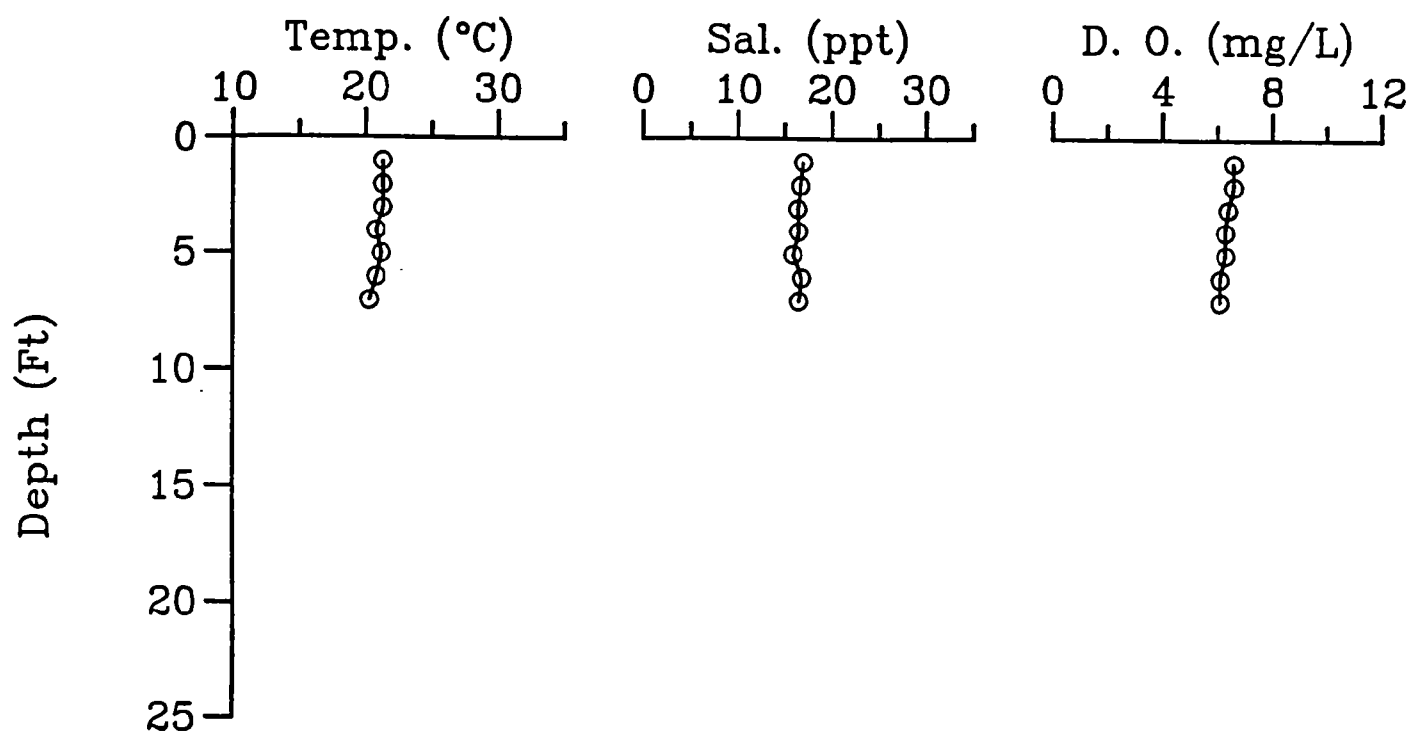
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14
10/03/87
2139



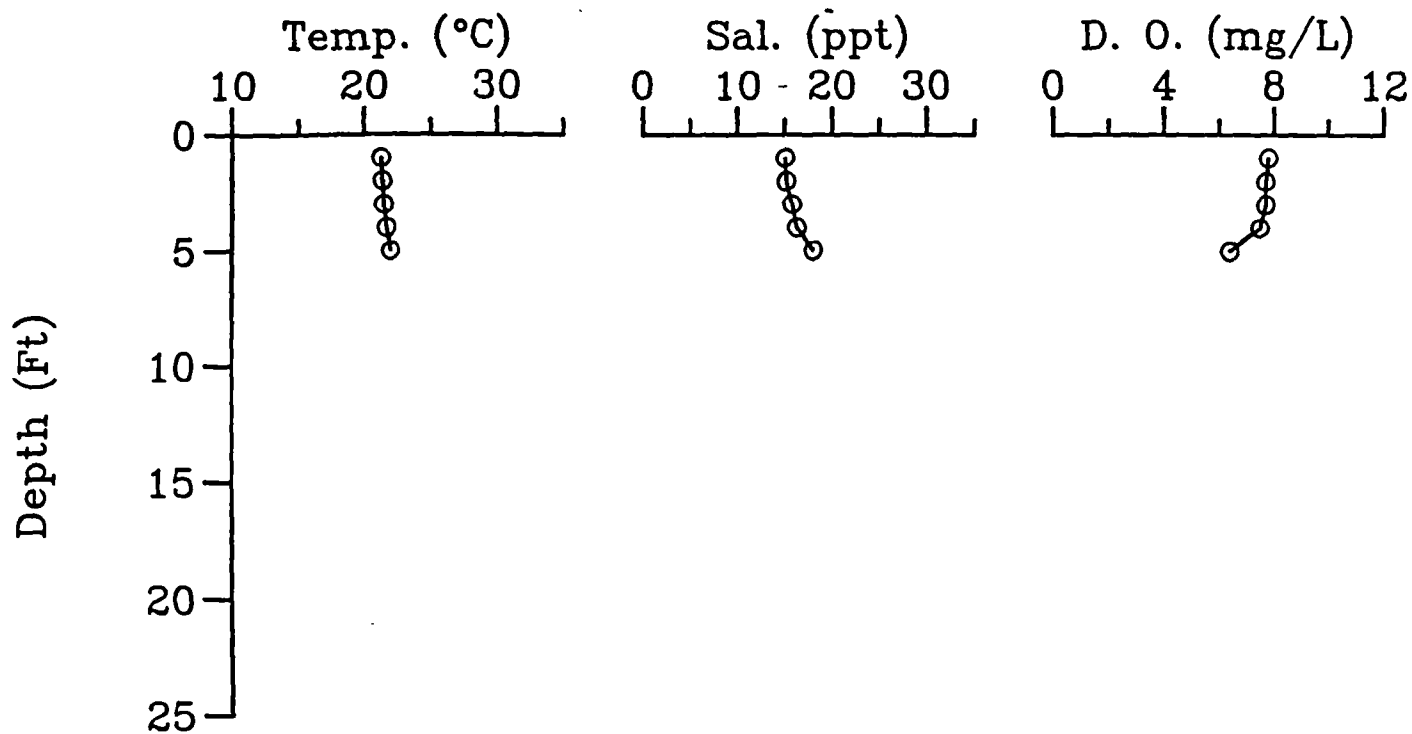
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14
10/04/87
1200



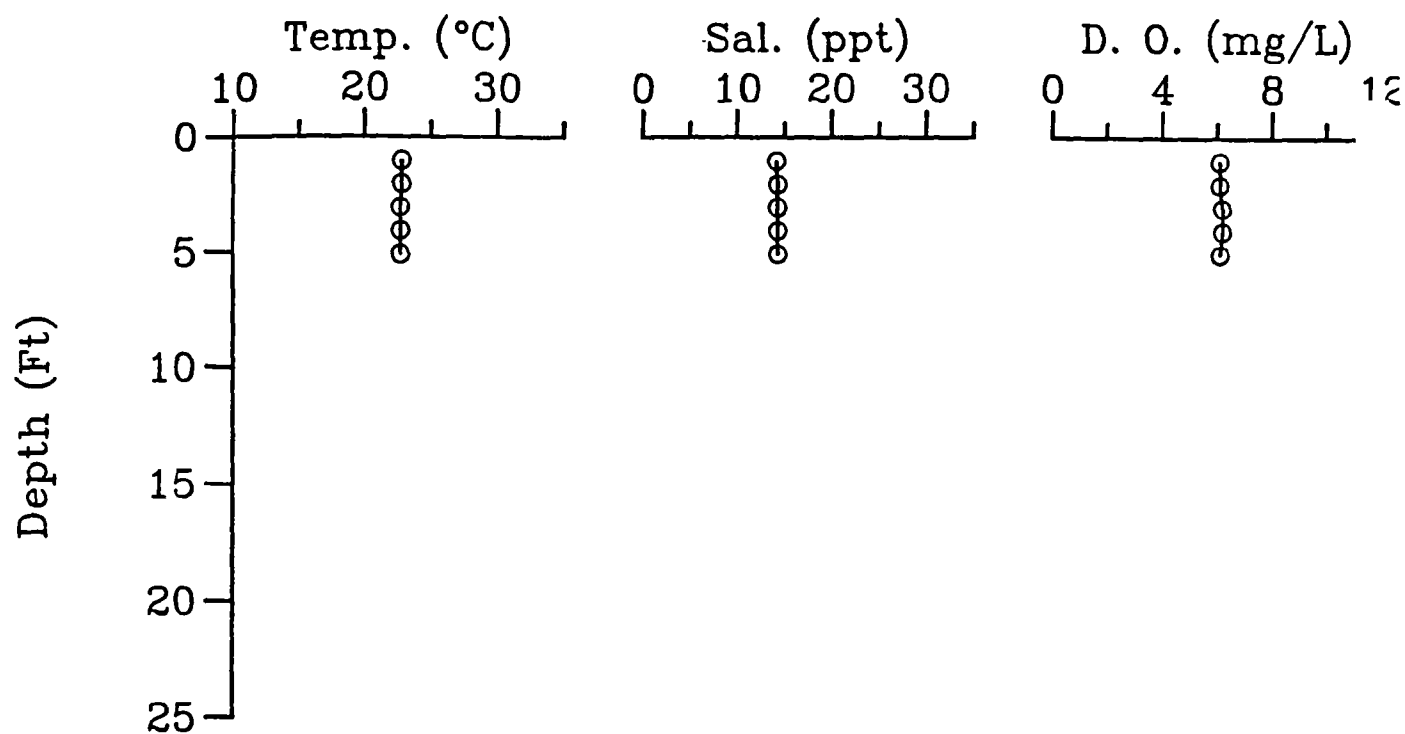
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14
10/04/87
23 10



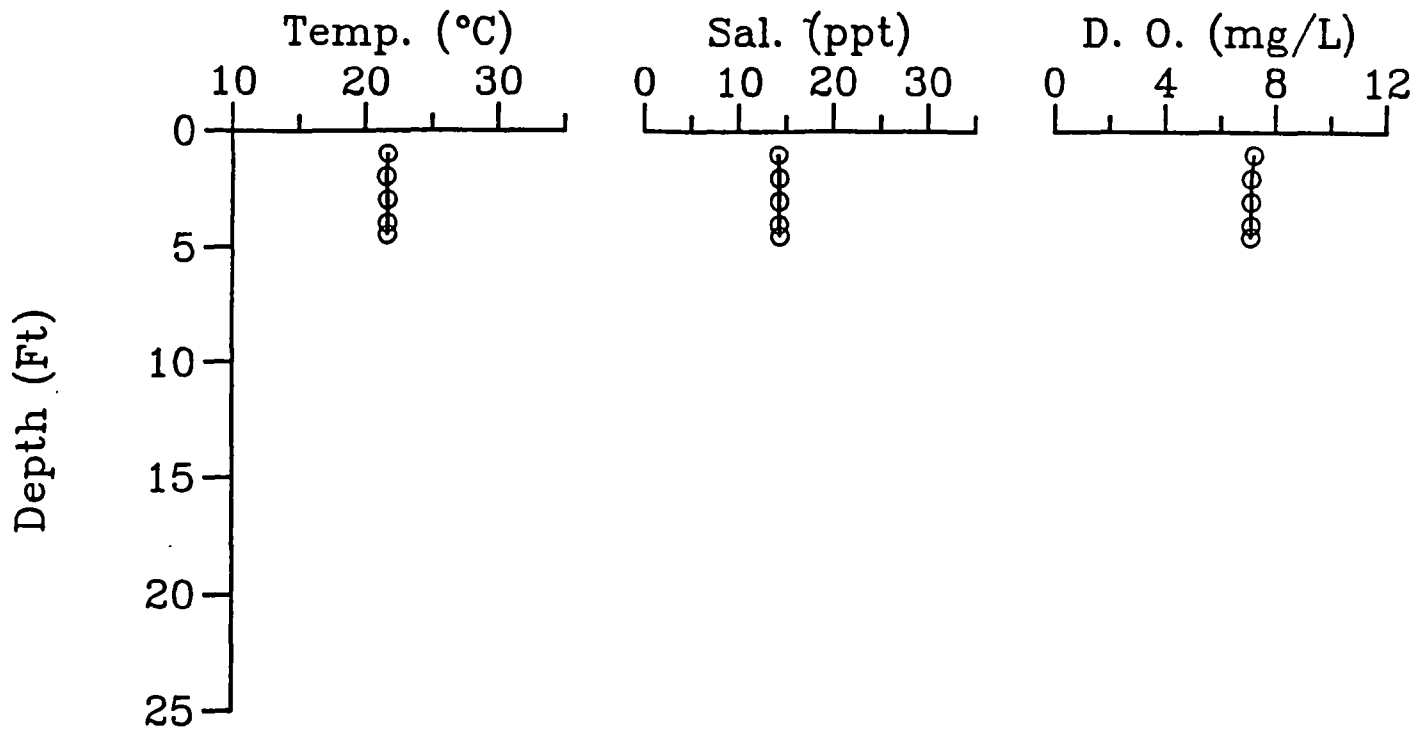
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-13
10/03/87
1125



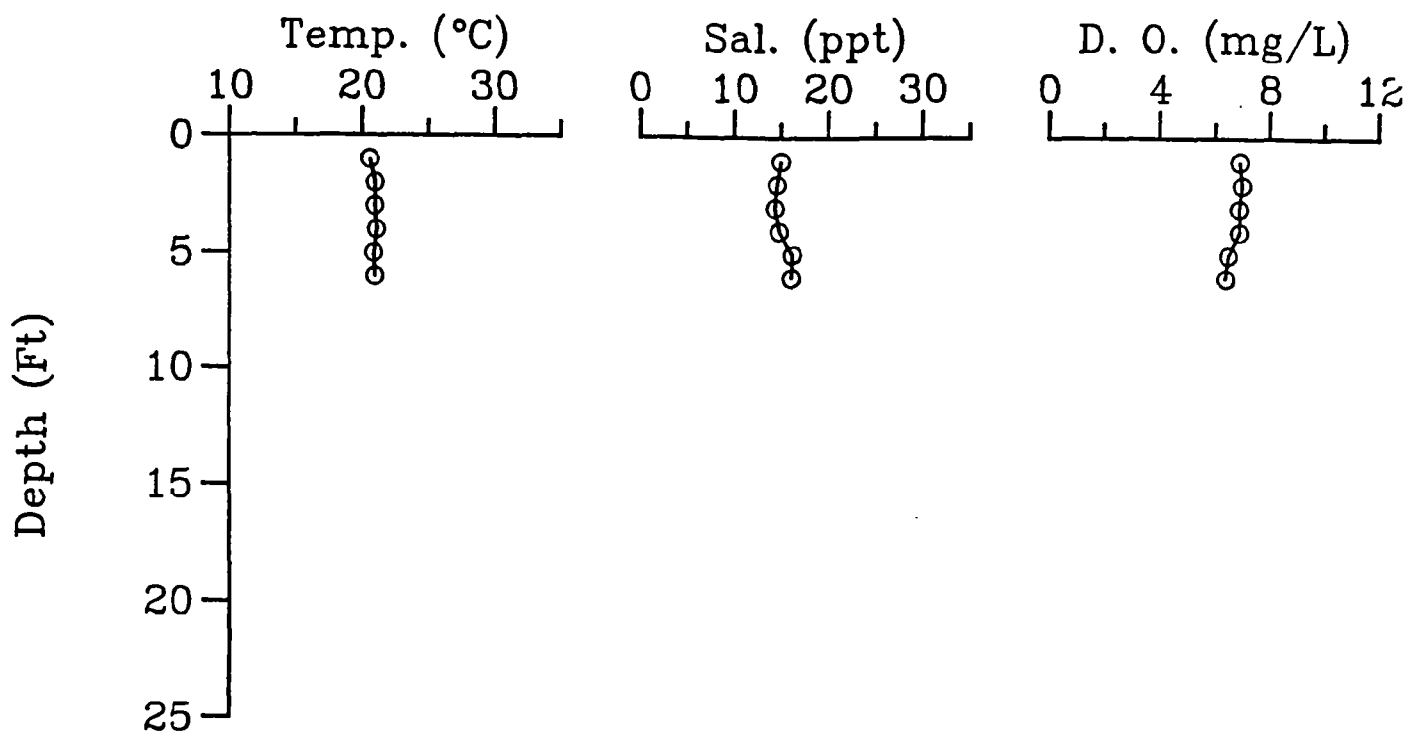
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-13
10/03/87
2208



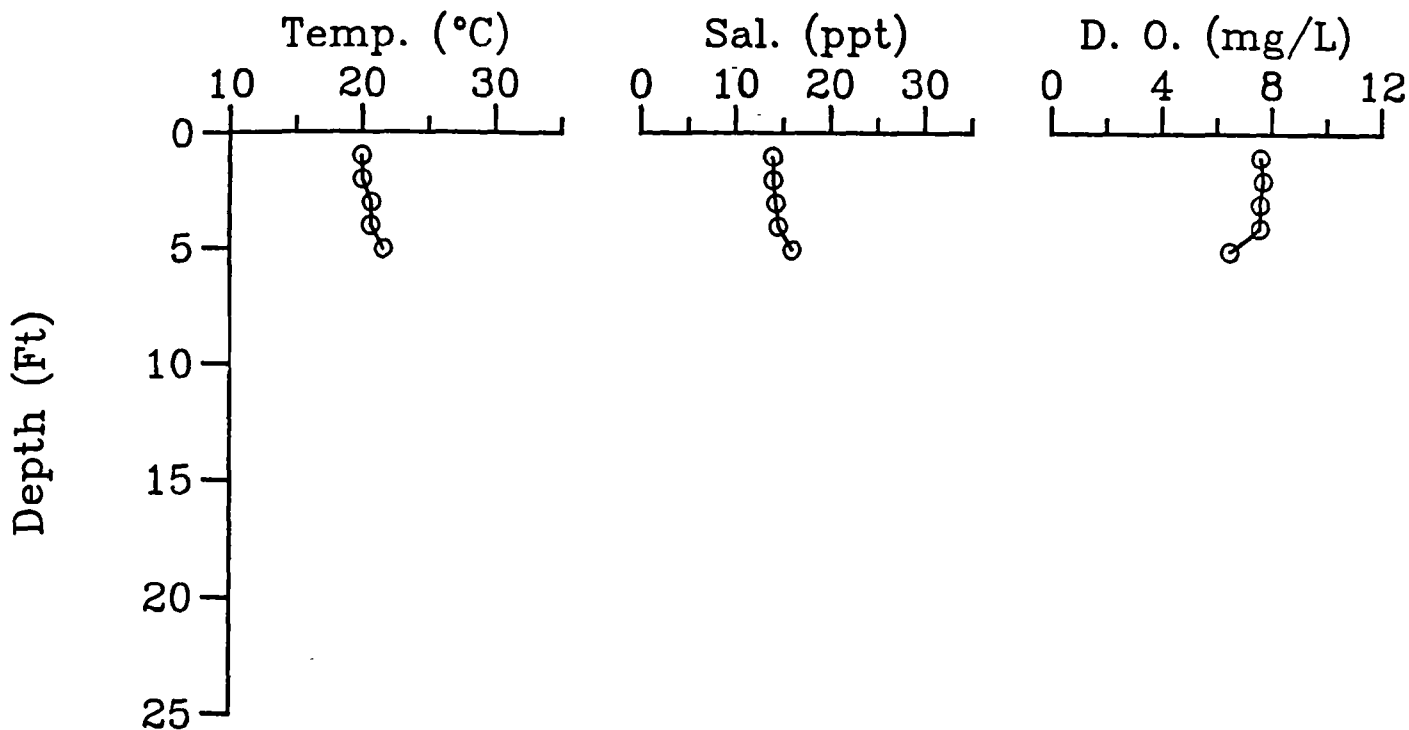
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-13
10/04/87
1250



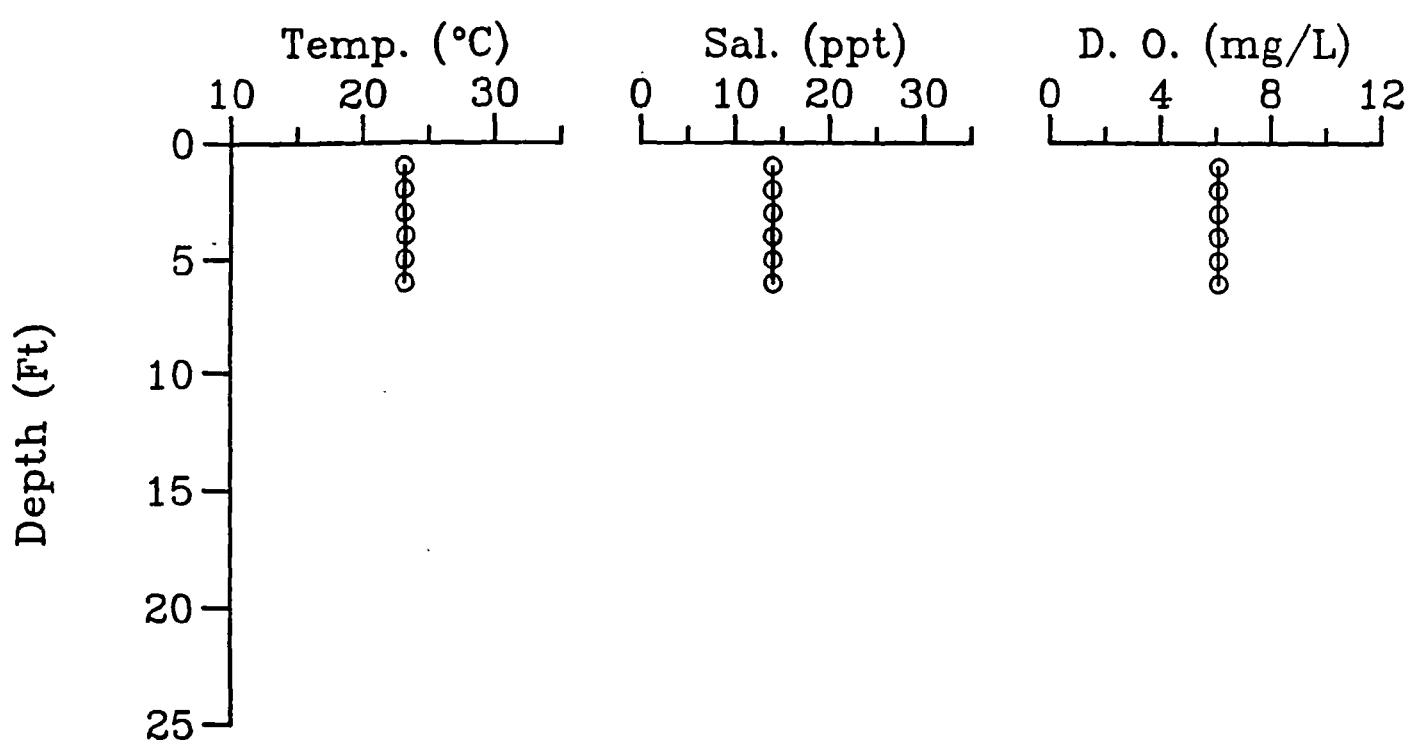
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-13
10/05/87
0040



PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-12
10/03/87
1230



PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-12
10/03/87
23 19

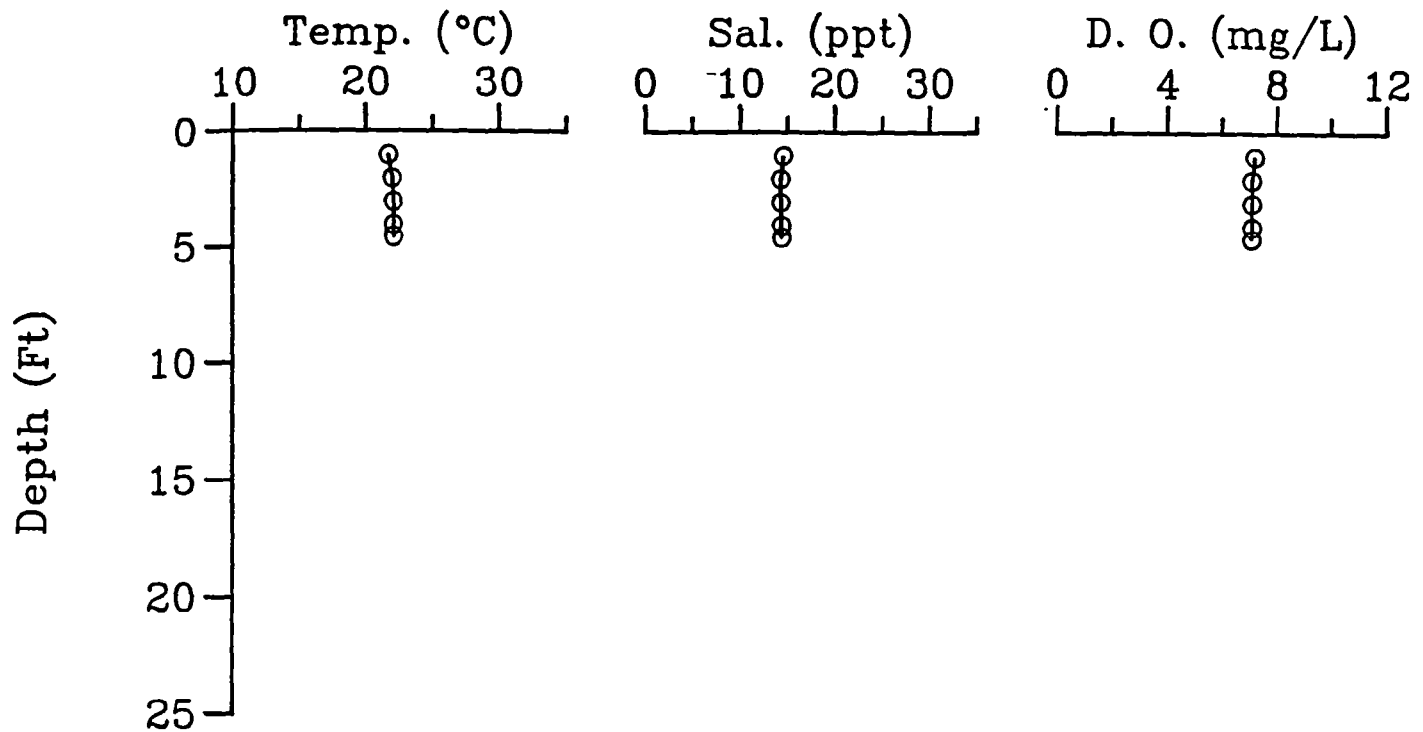


FIGURE
HYDRODYNAMIC RESULTS
STATION C14.5B
OCTOBER 1987

PRELIMINARY--SUBJECT
TO REVISION

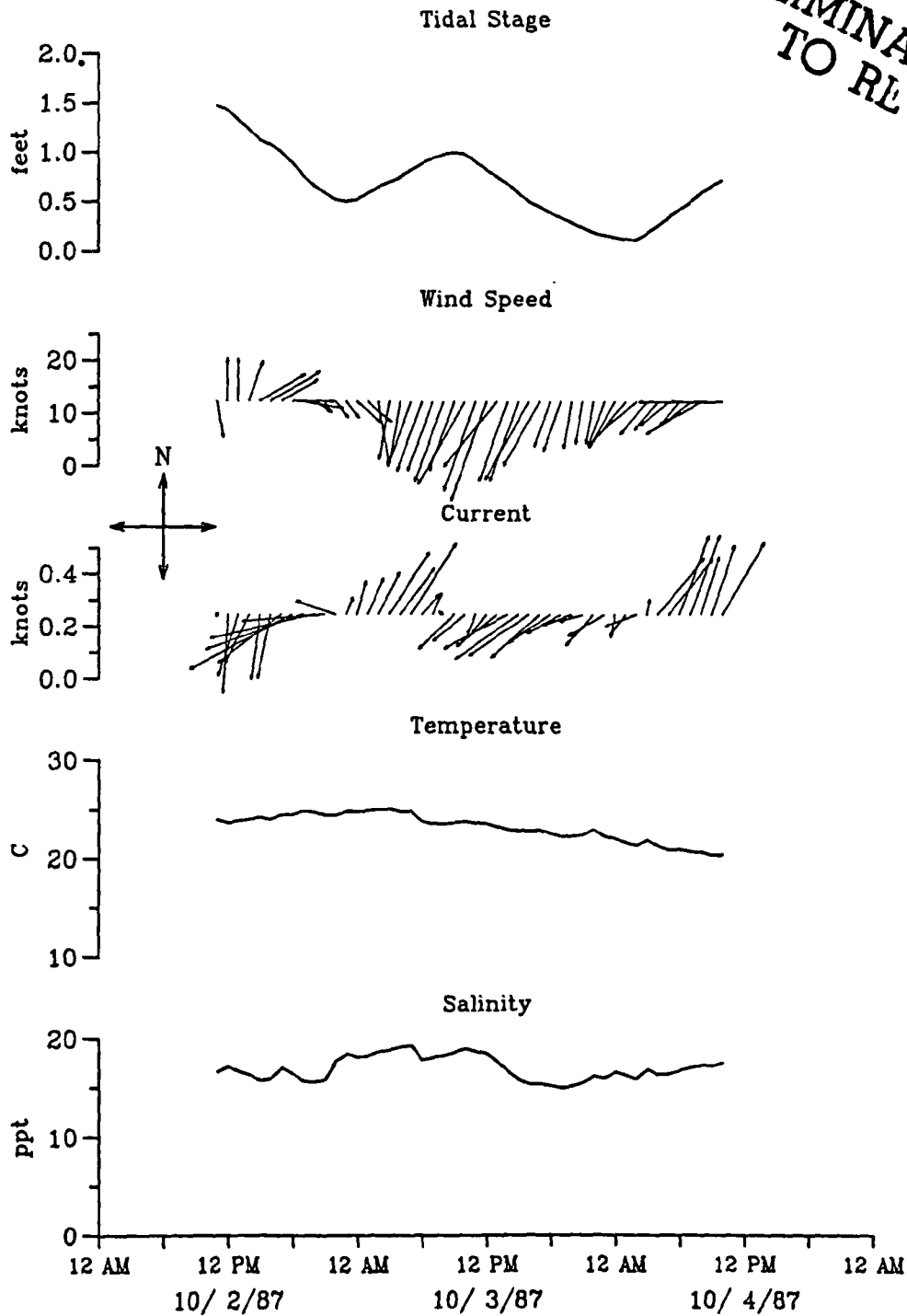
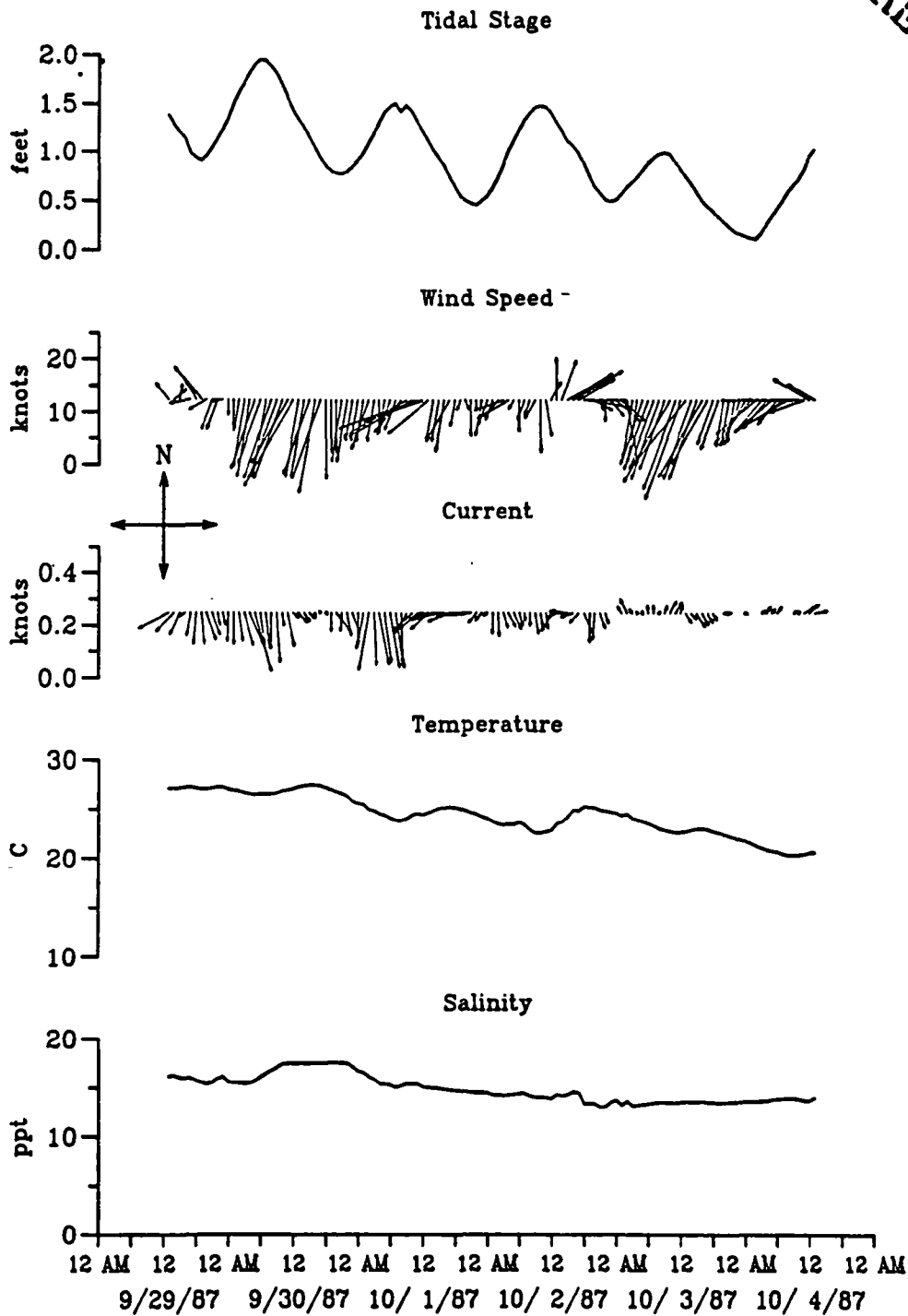


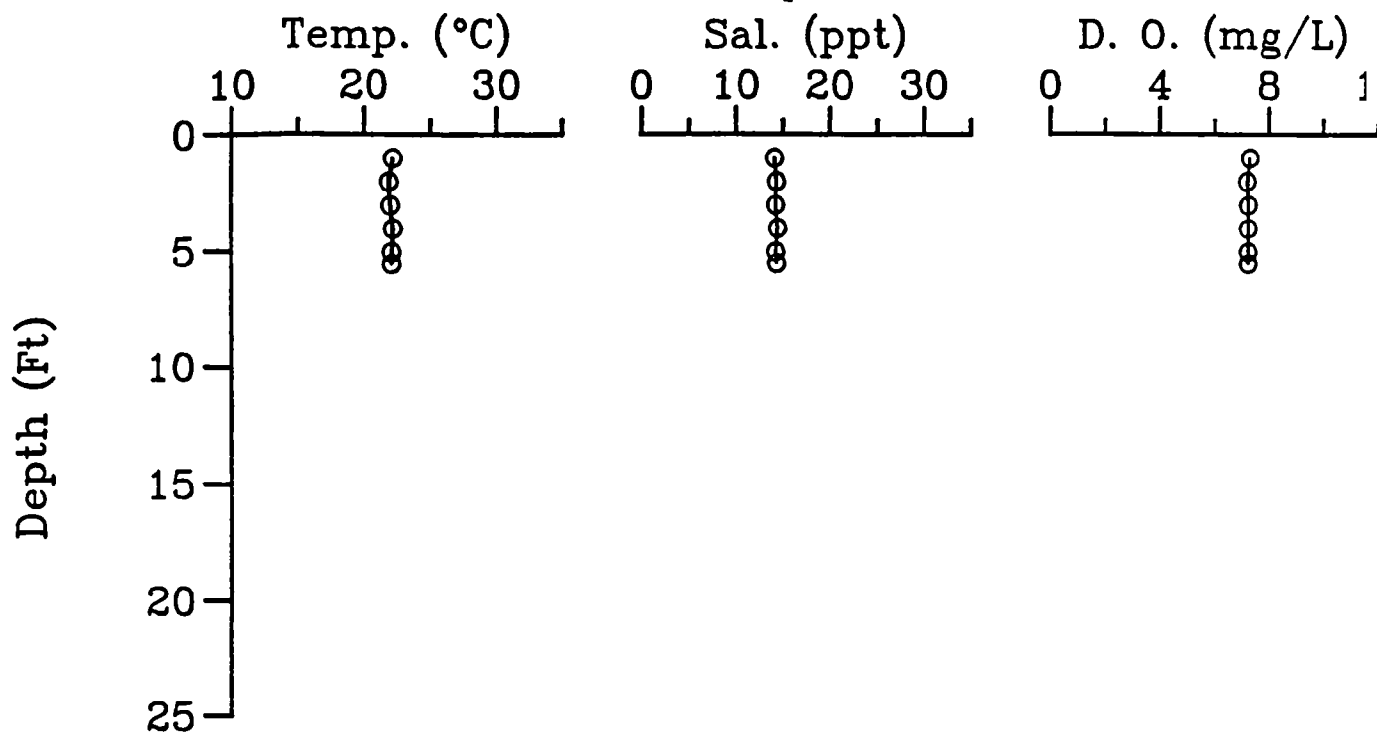
FIGURE
HYDRODYNAMIC RESULTS
STATION C-11.5
SEPTEMBER 1987

PRELIMINARY--SUBJECT
TO REVISION



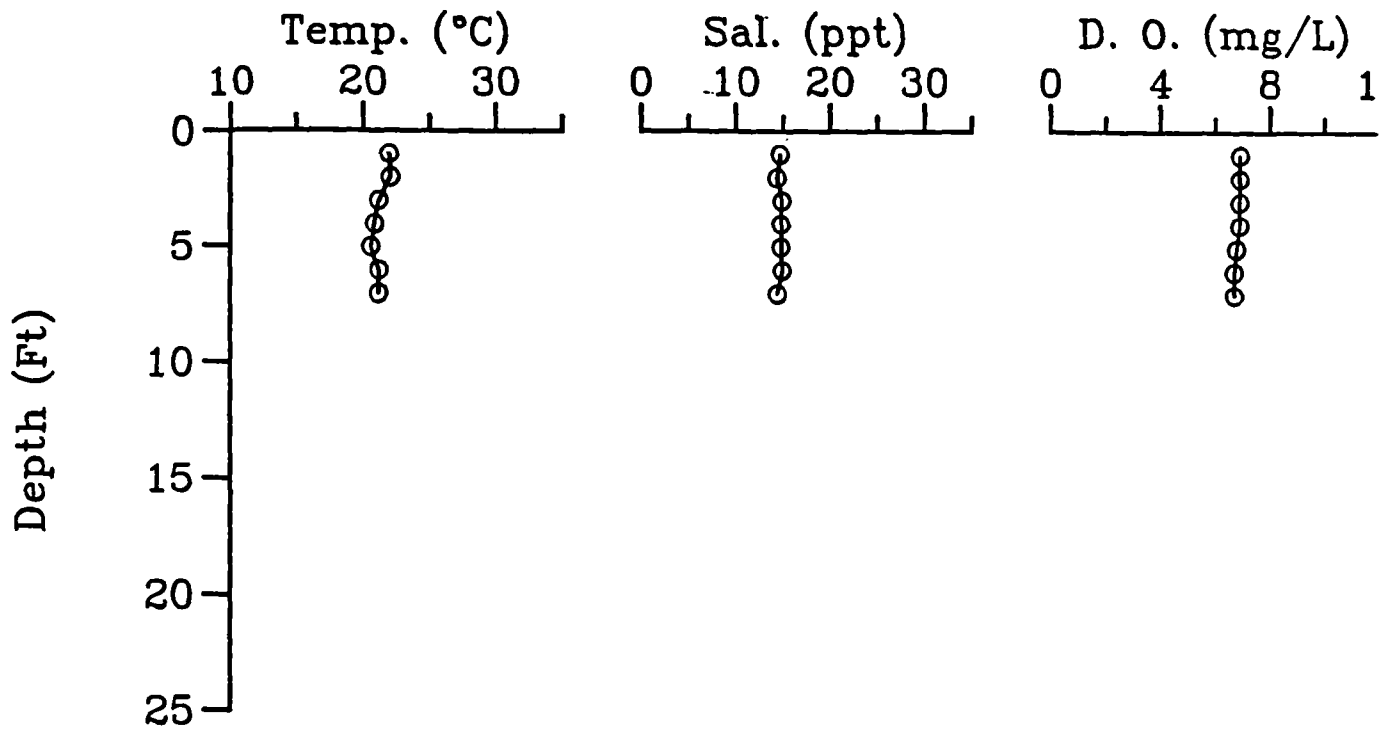
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11.5
10/03/87
2255



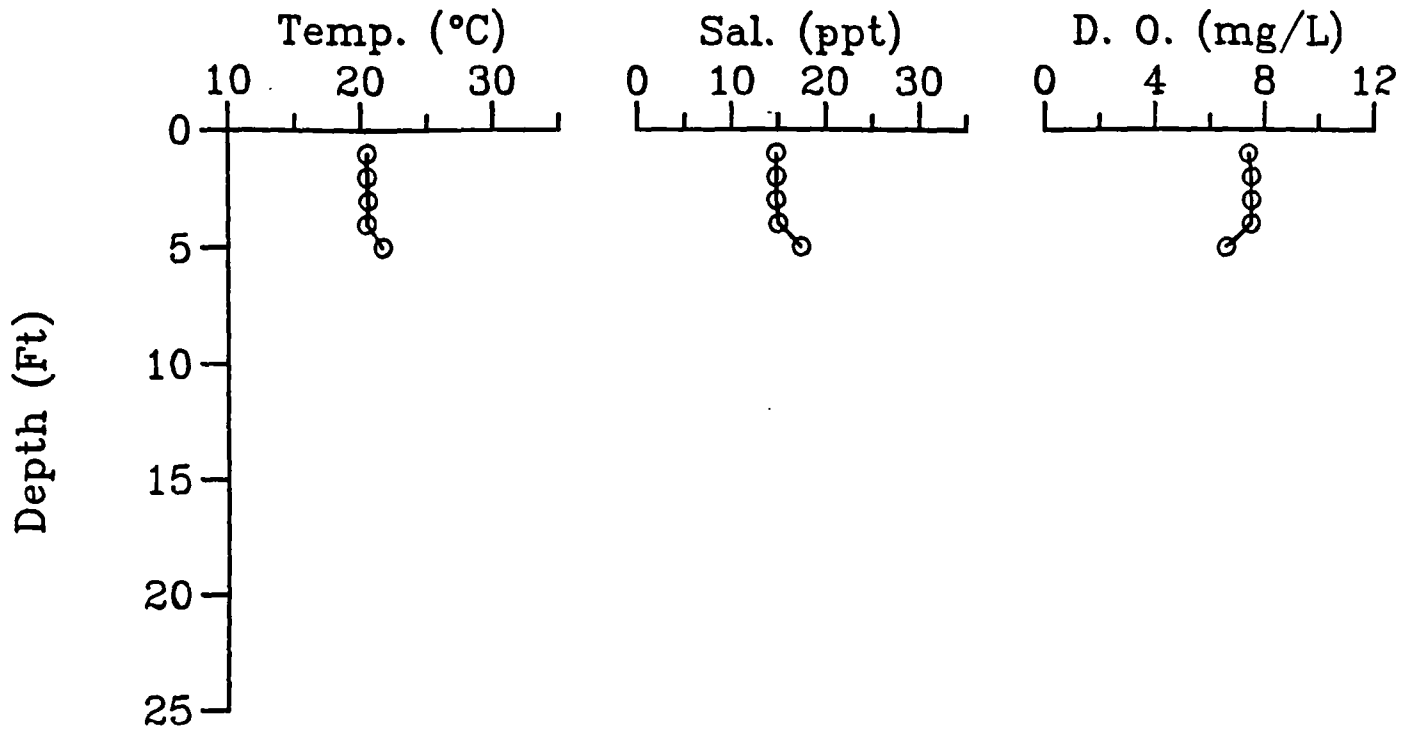
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11.5
10/04/87
1340



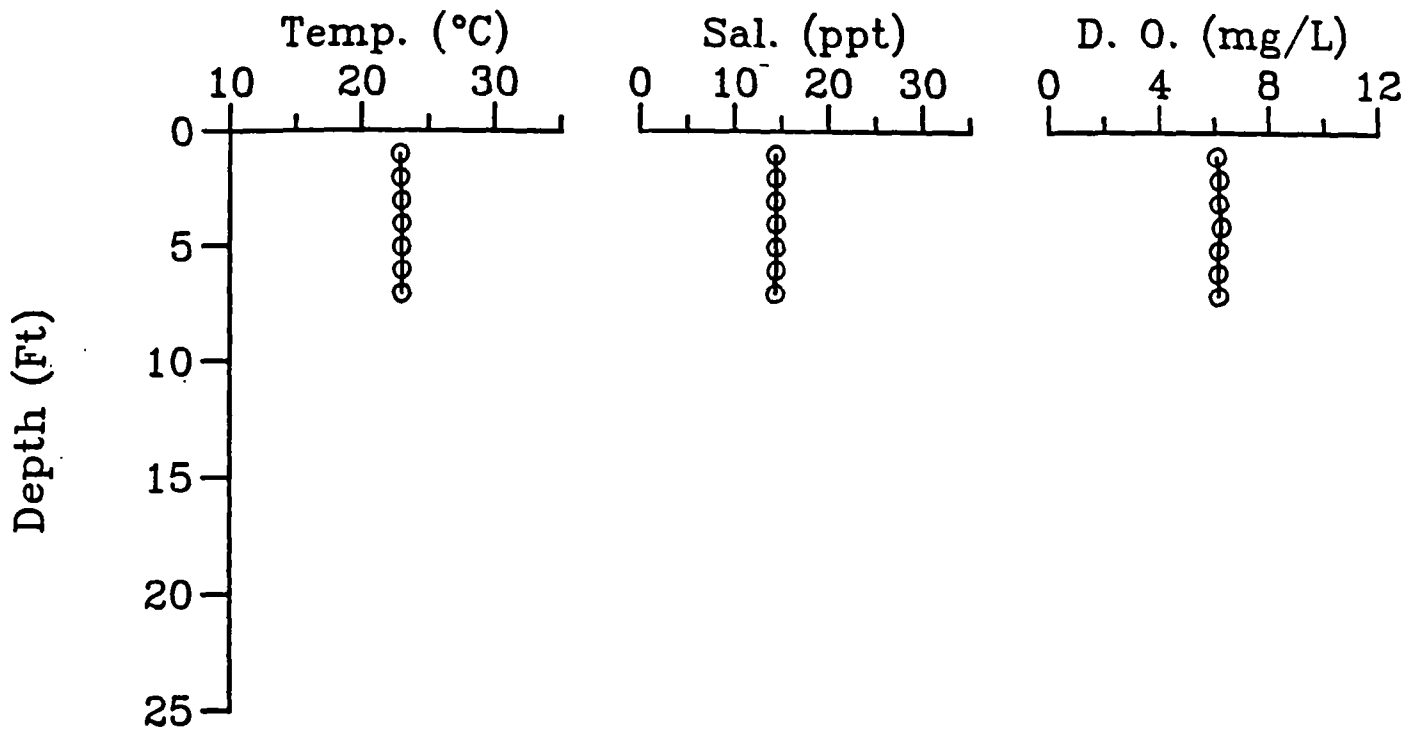
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11.5
10/04/87
2355



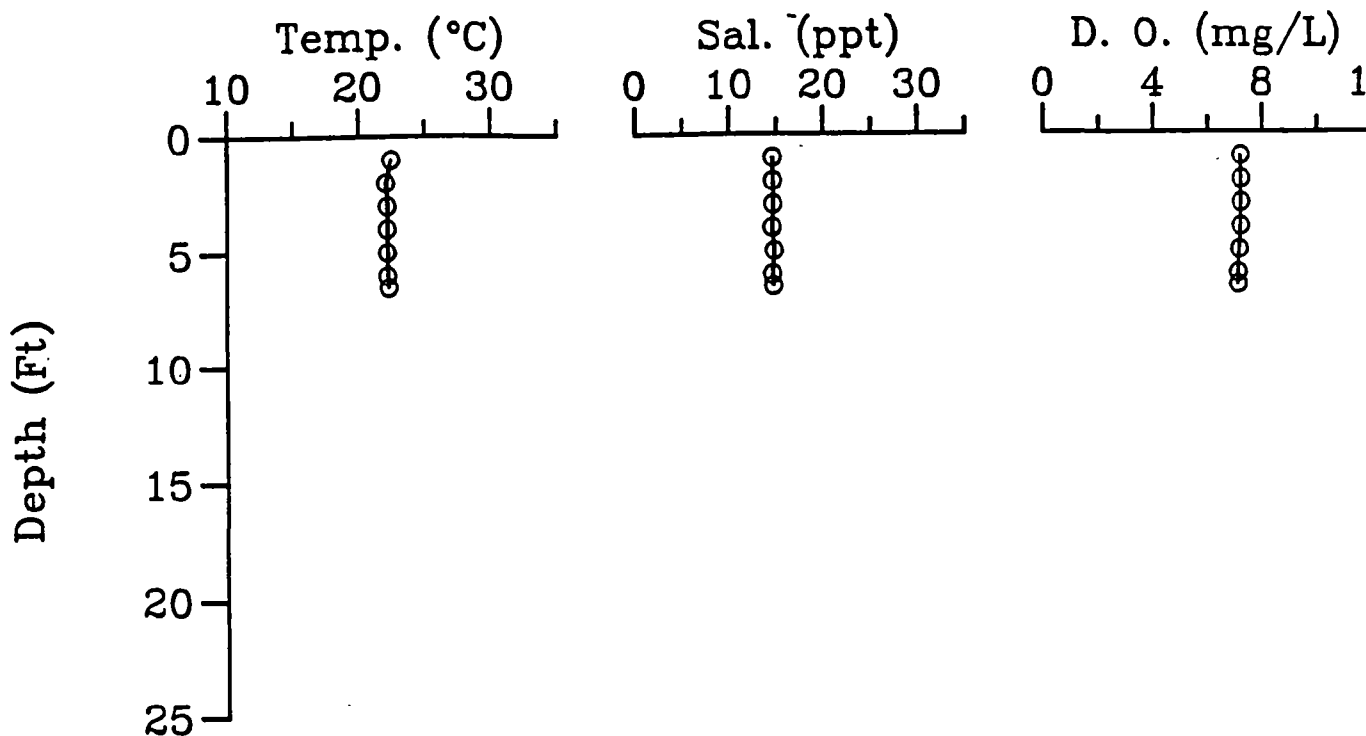
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11
10/03/87
11 45



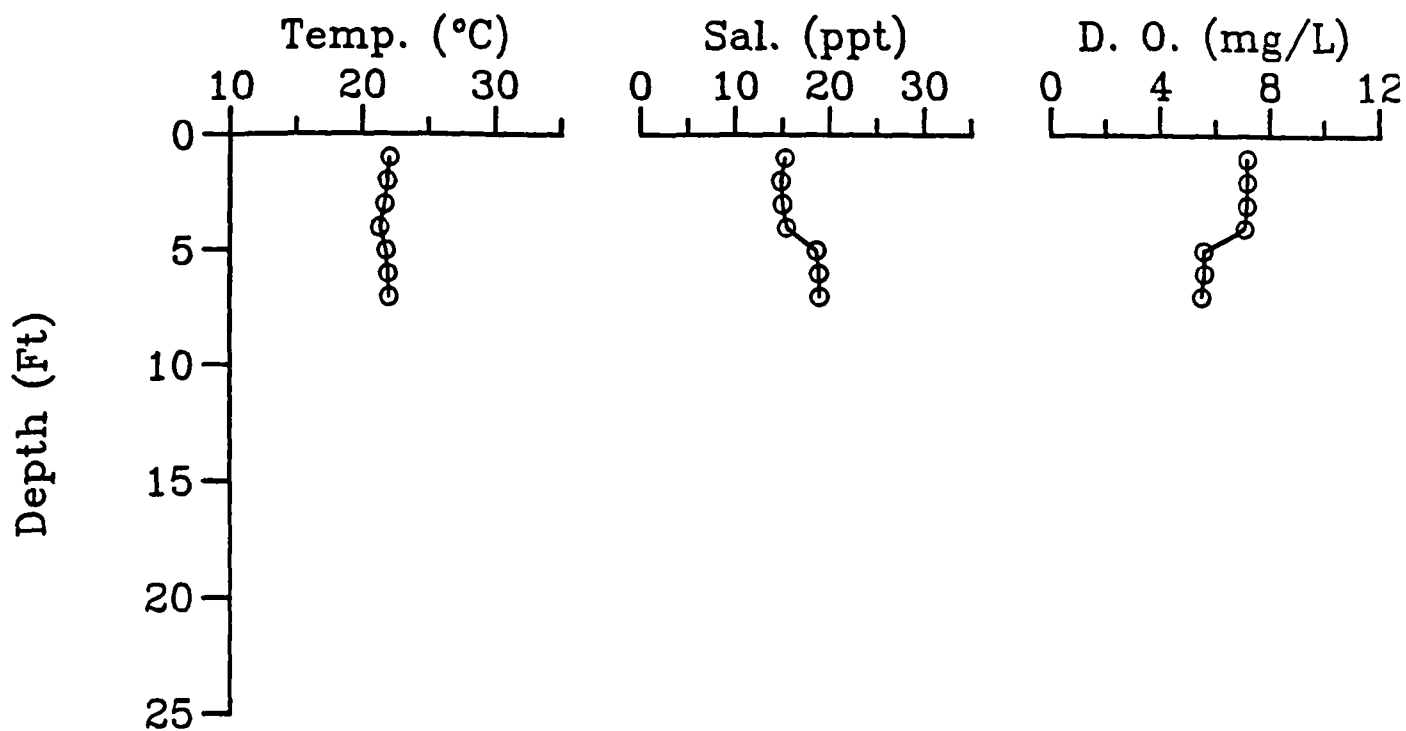
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11
10/03/87
2231



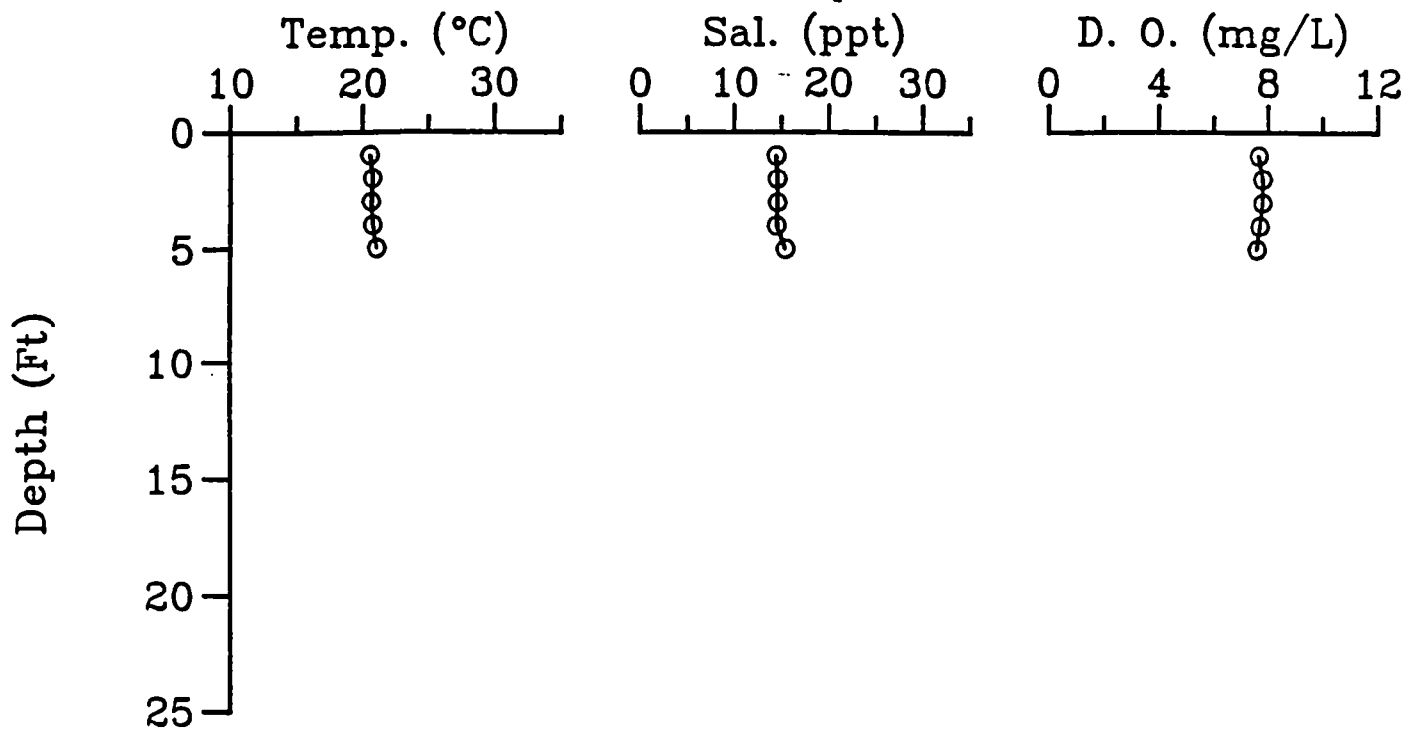
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11
10/04/87
1405



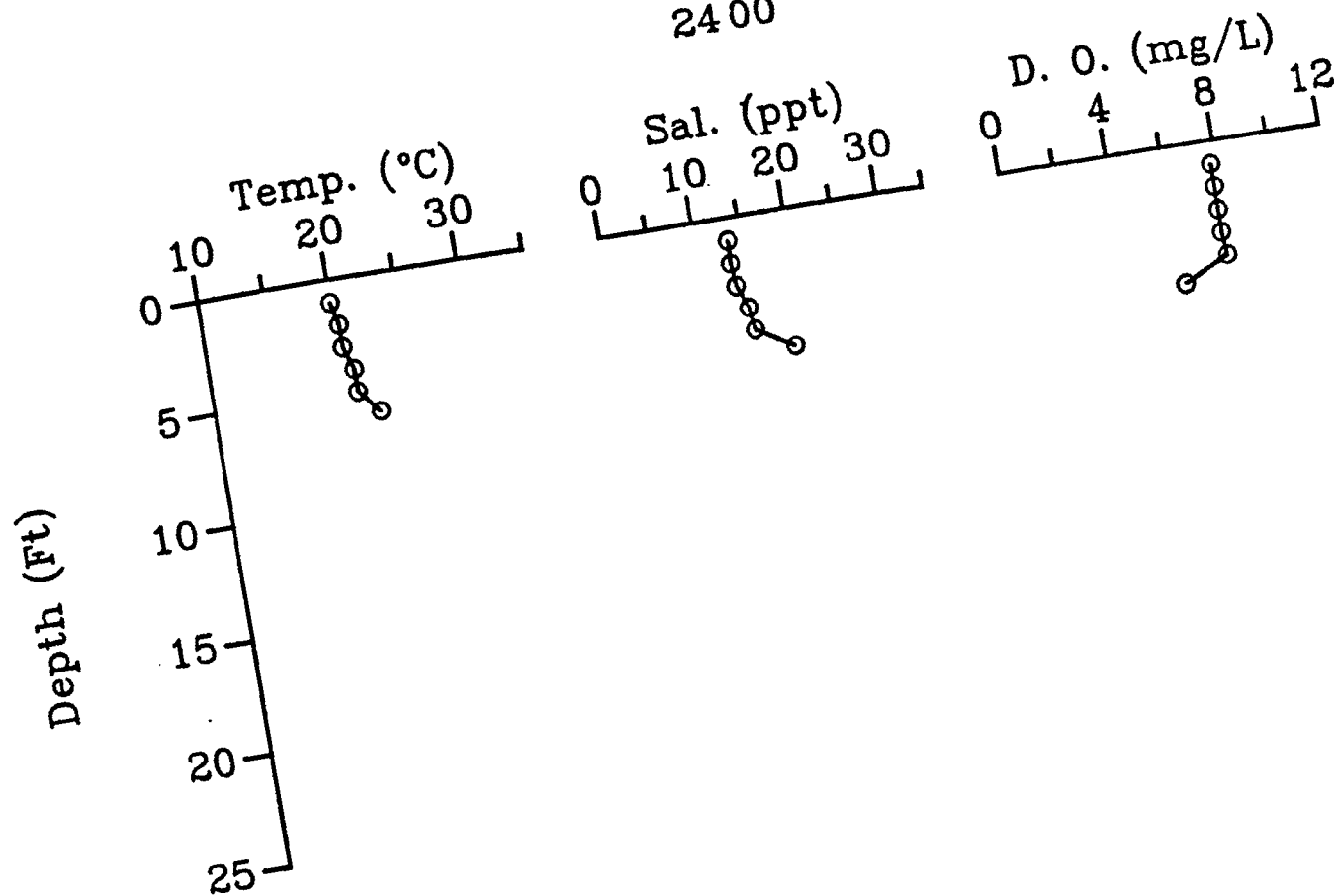
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11
10/04/87
2335



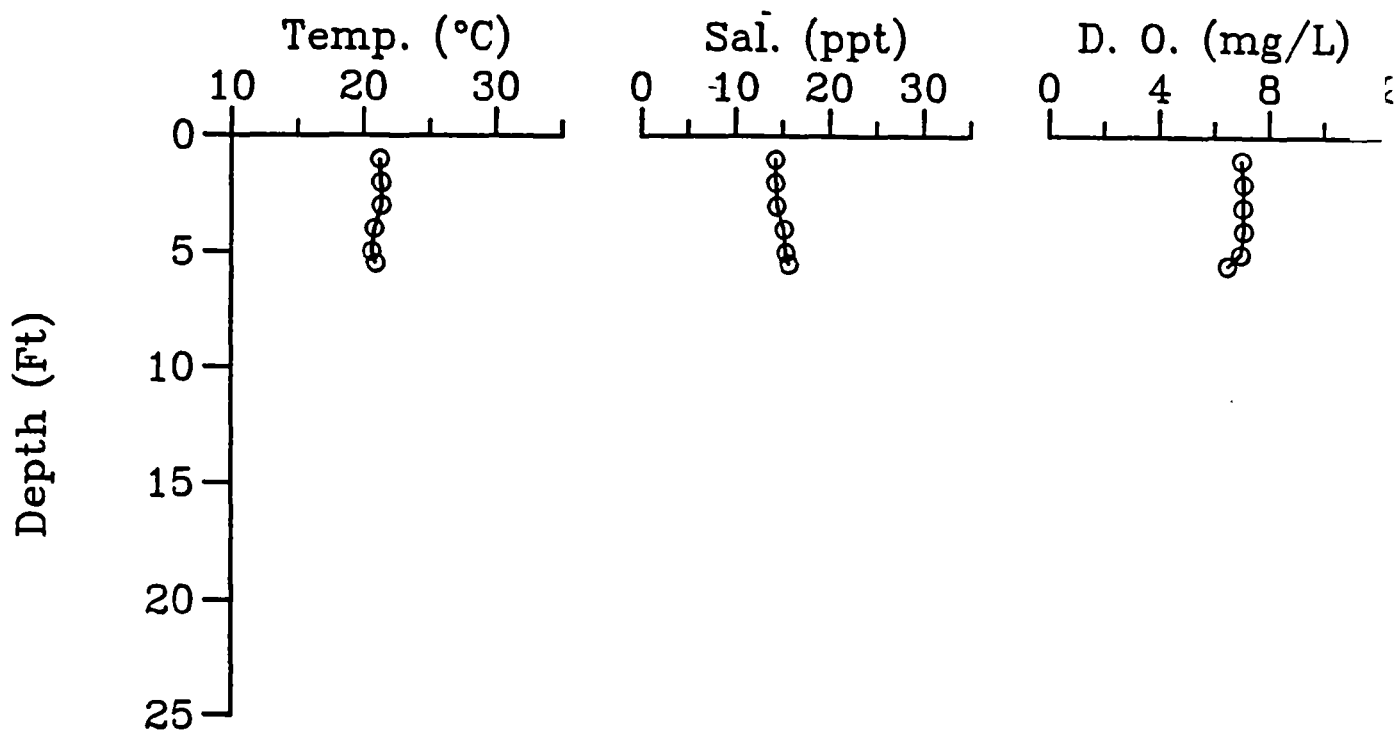
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-10
10/04/87
2400



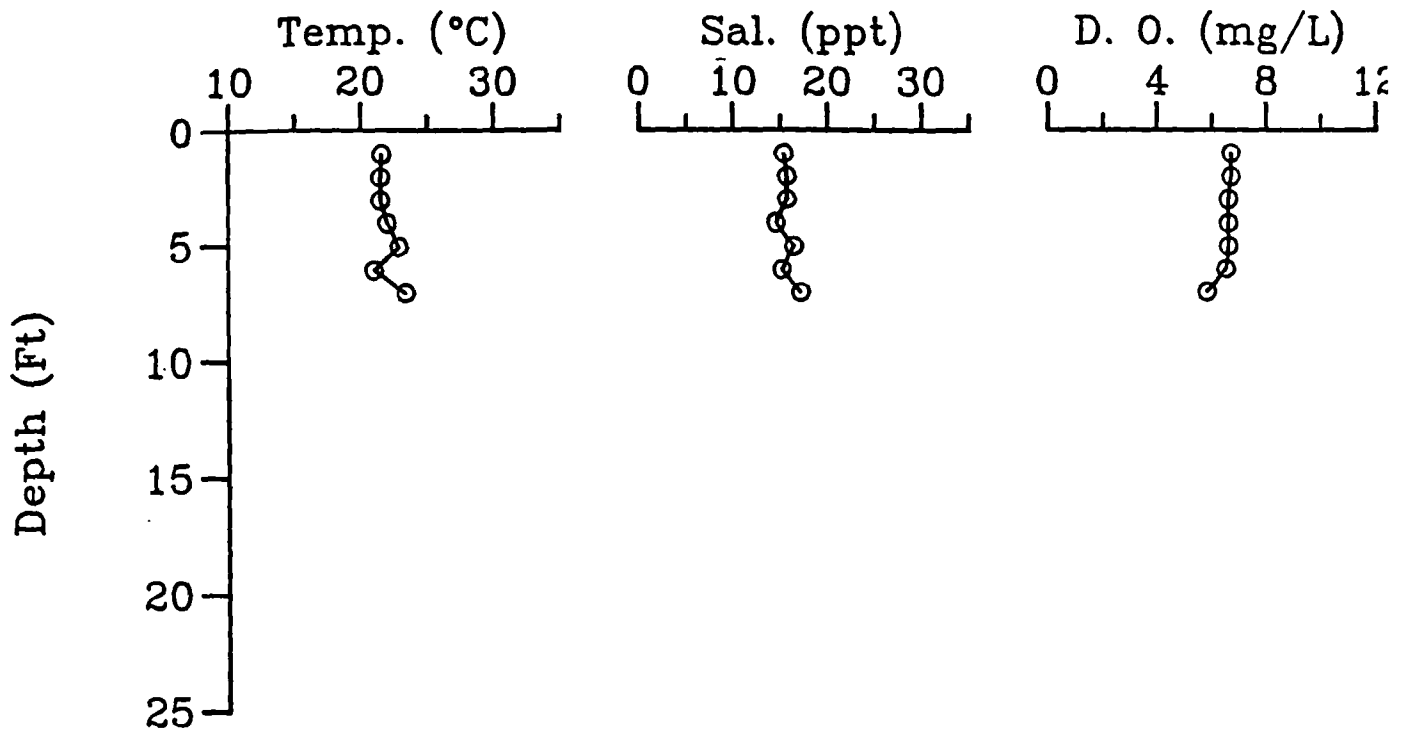
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-10
10/04/87
1150



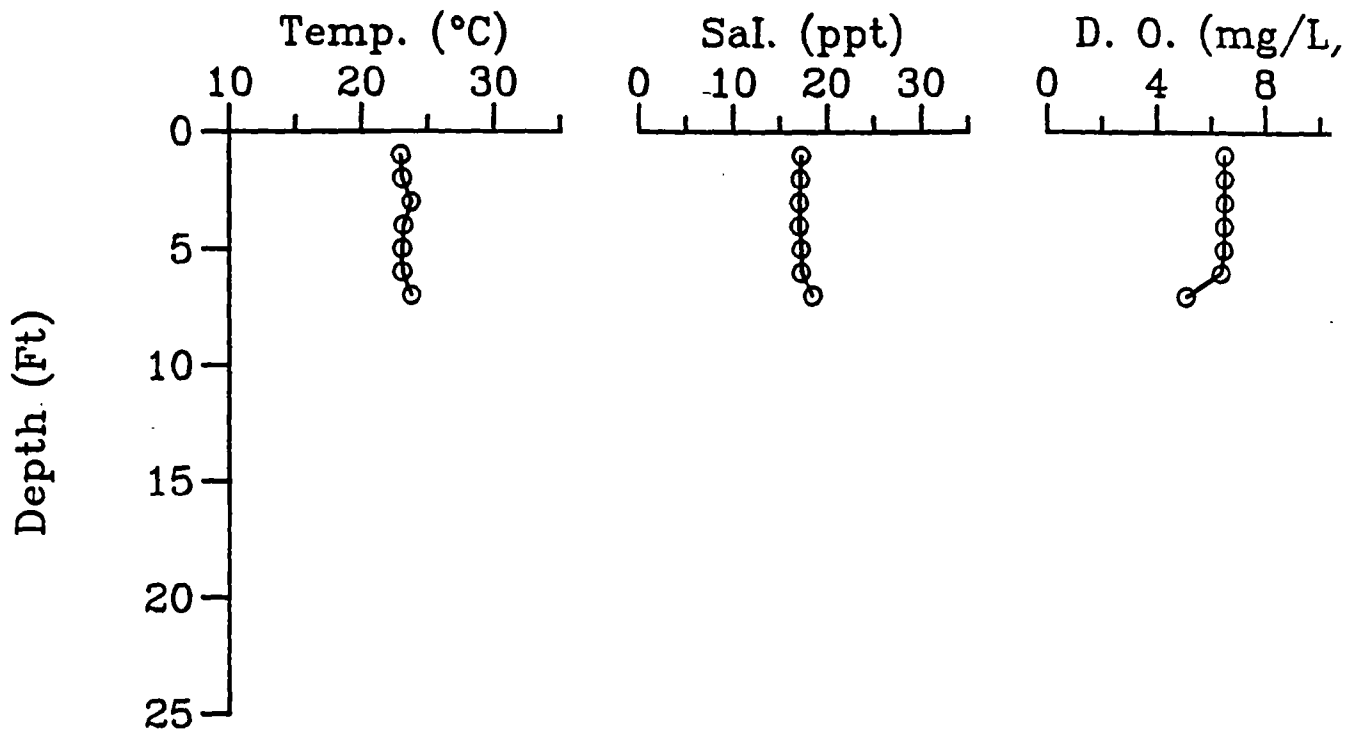
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-10
10/03/87
2306



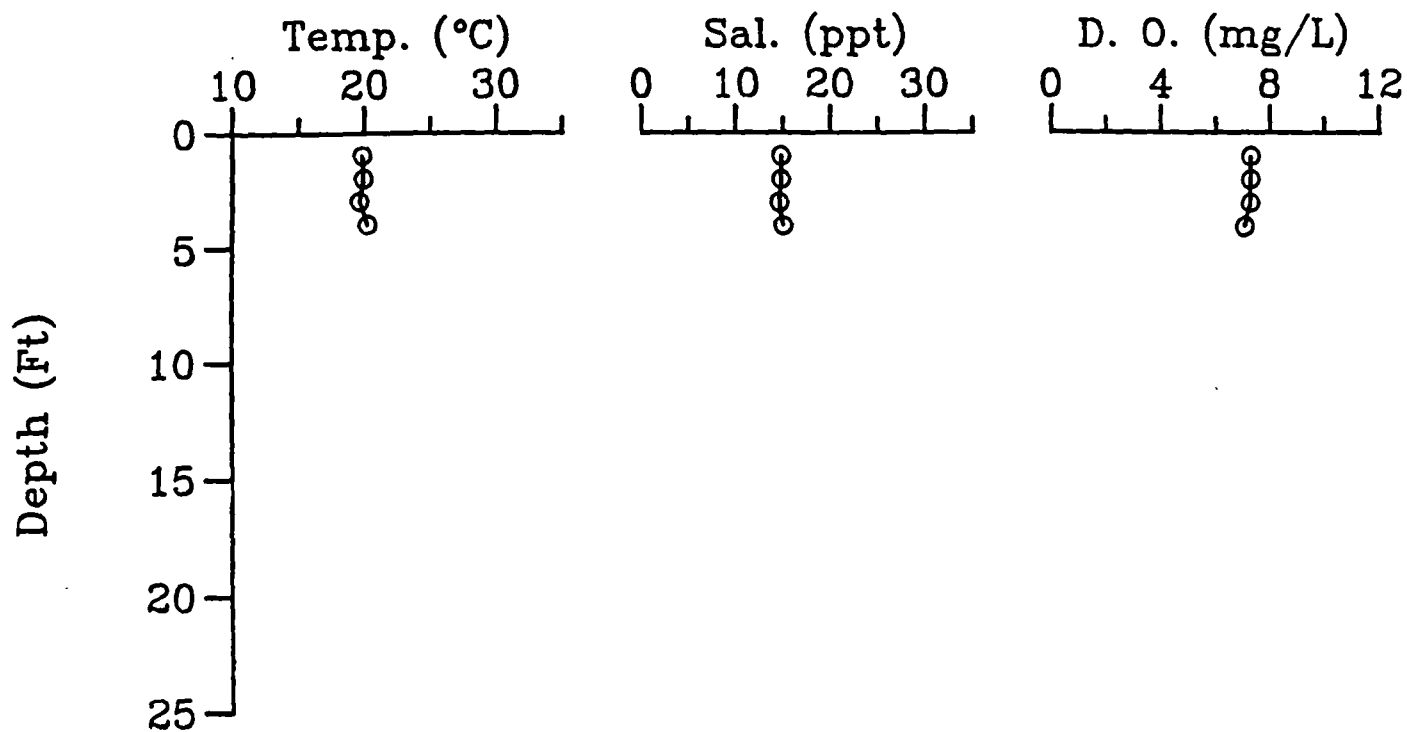
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-10
10/03/87
0923



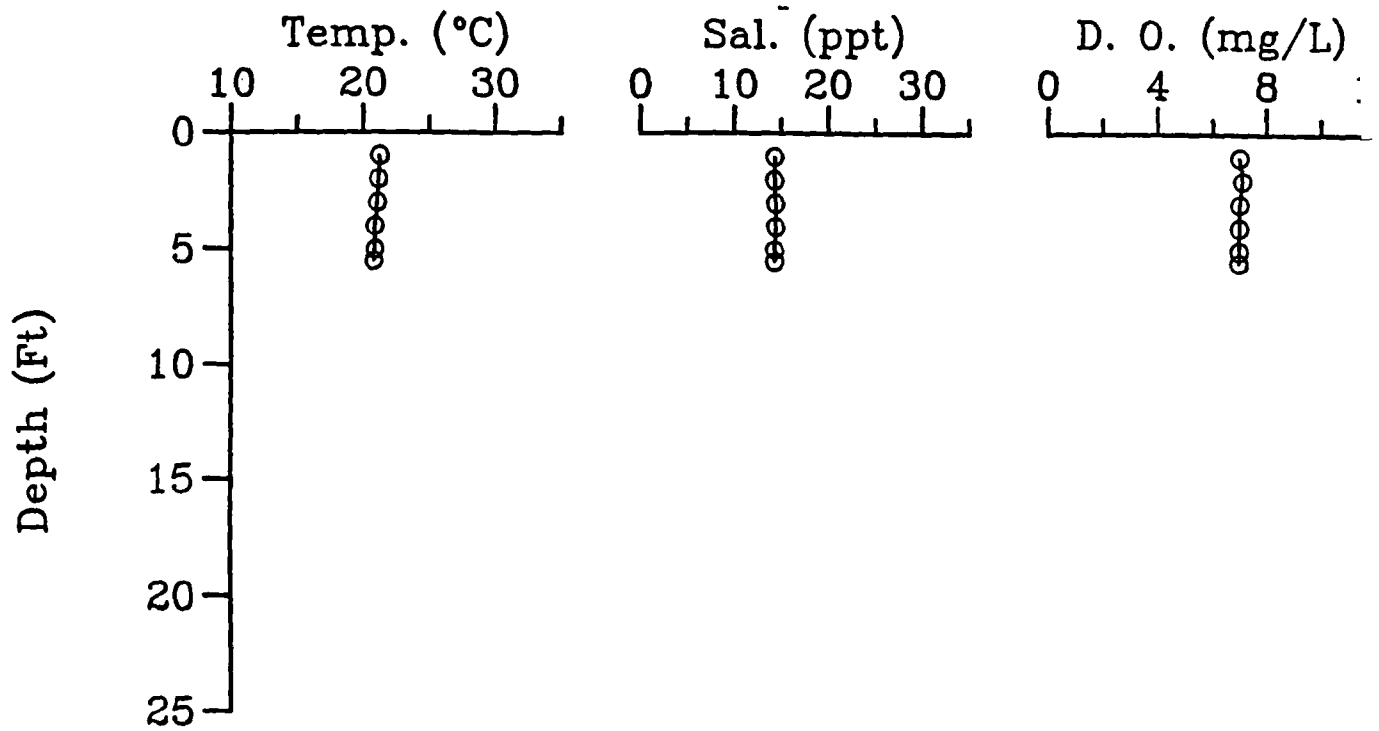
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-9
10/04/87
2340



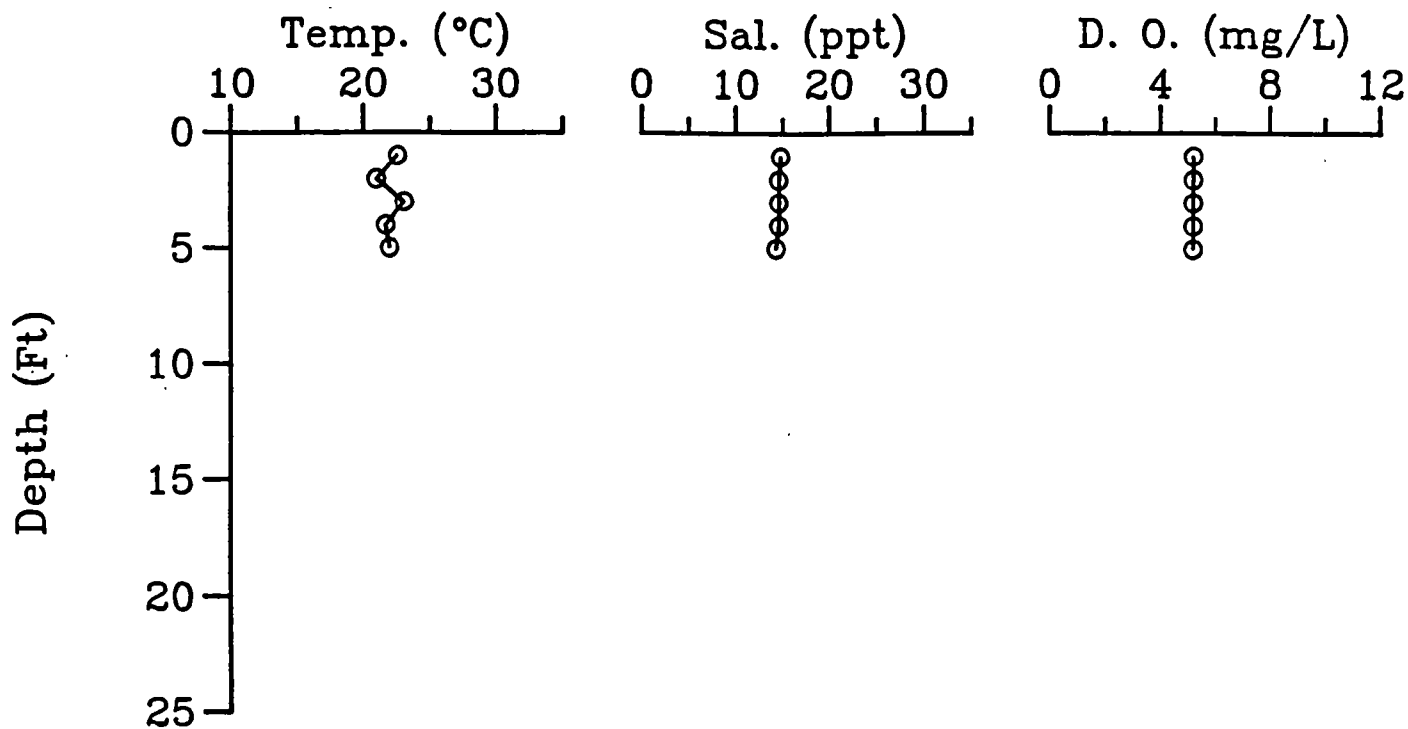
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-9
10/04/87
12:20



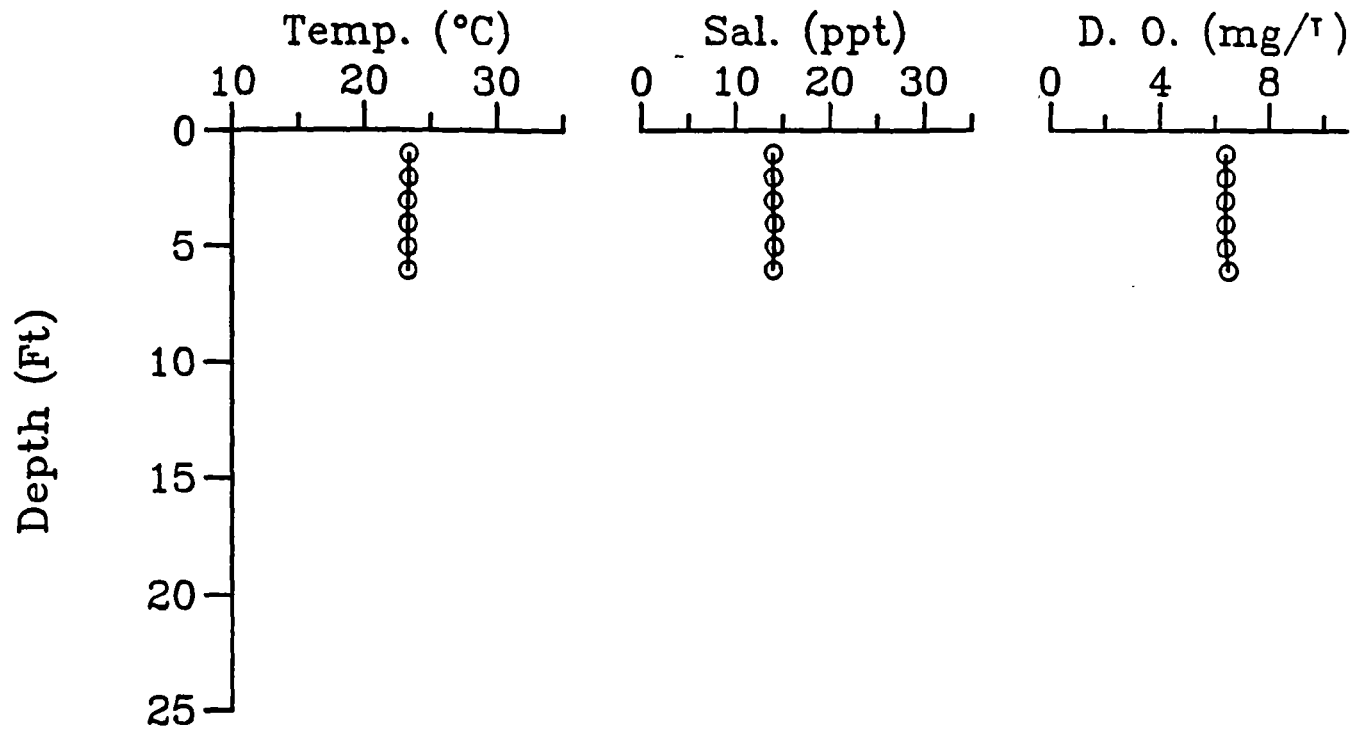
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-9
10/03/87
21 10



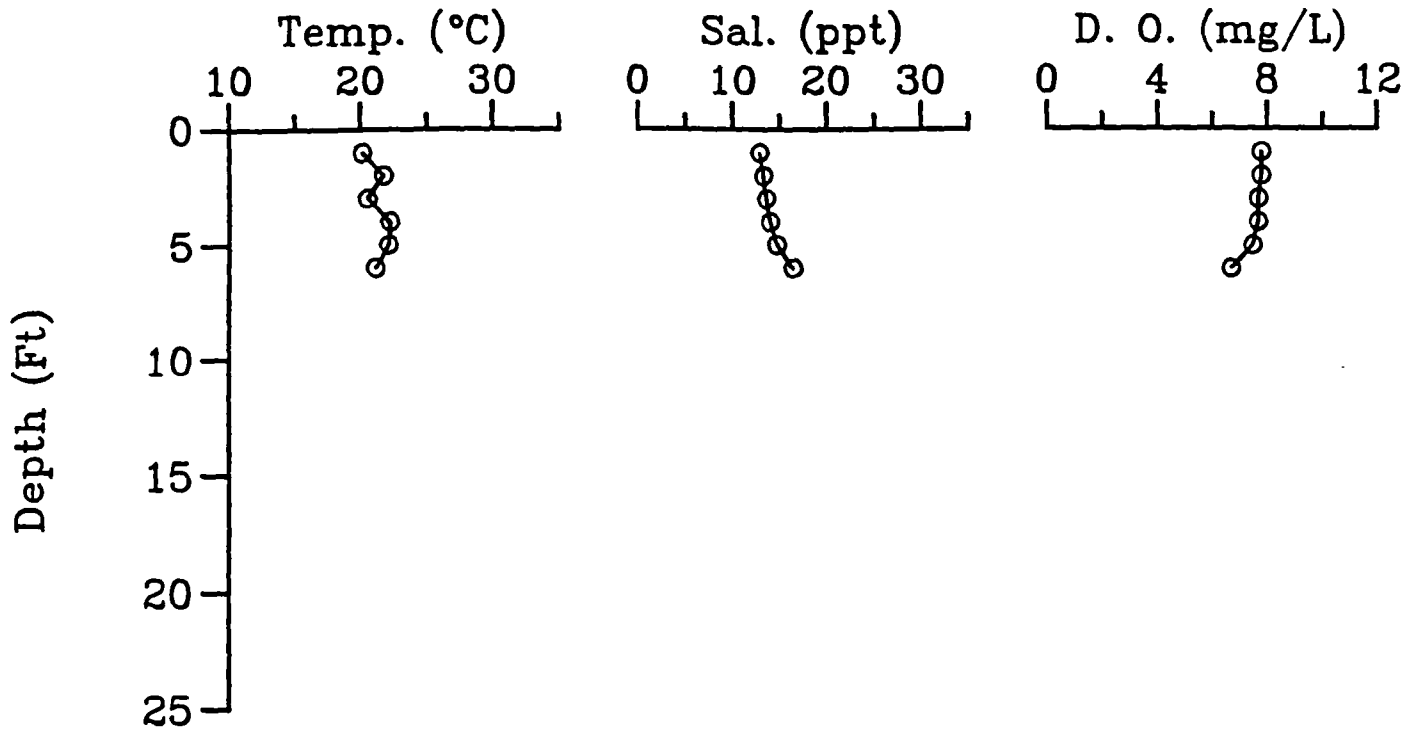
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-9
10/03/87
1250



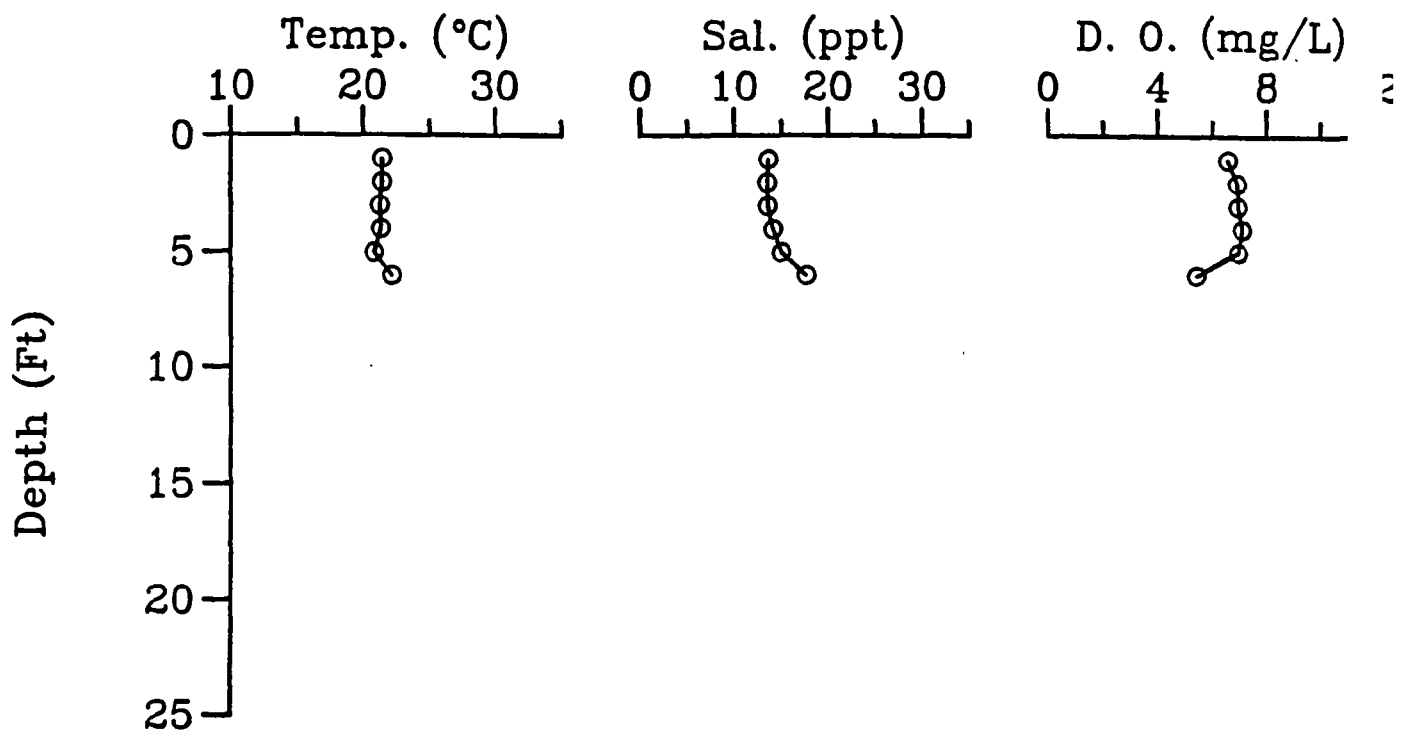
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8.5
10/04/87
2350



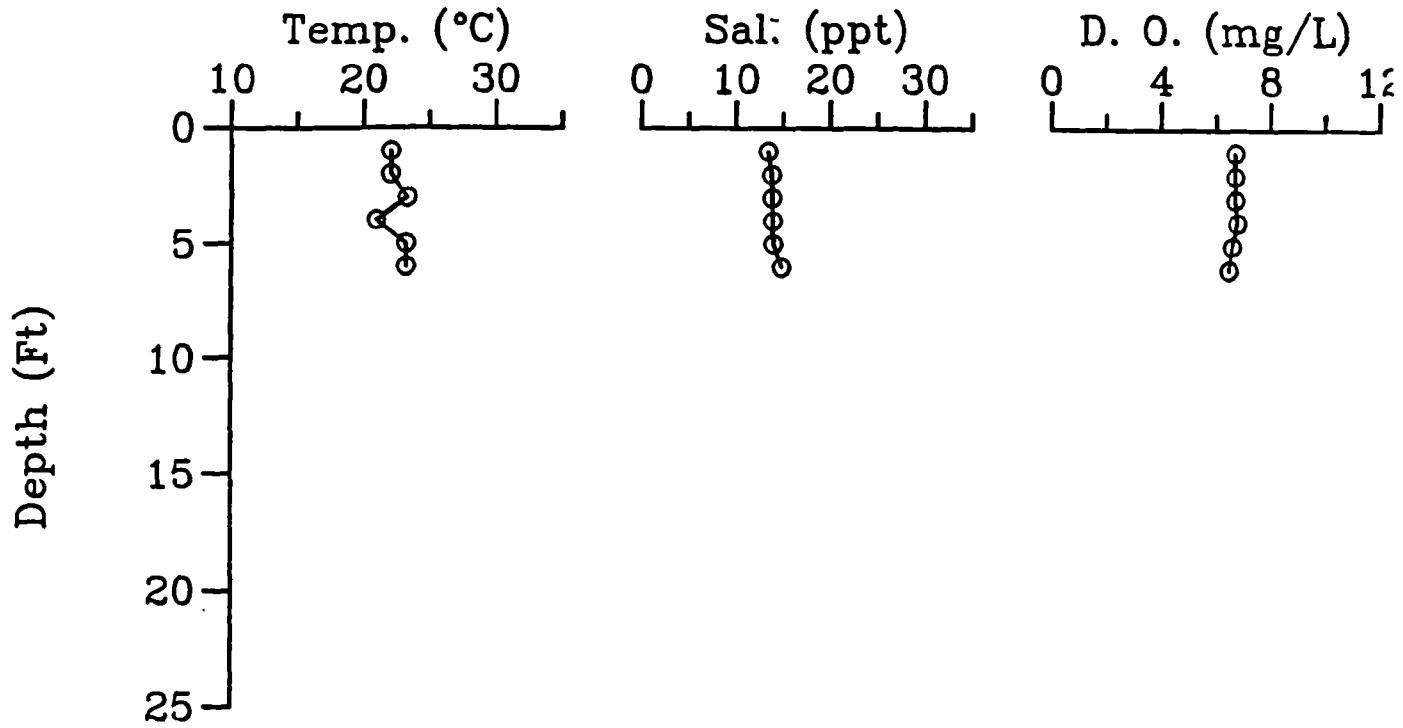
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8.5
10/04/87
1133



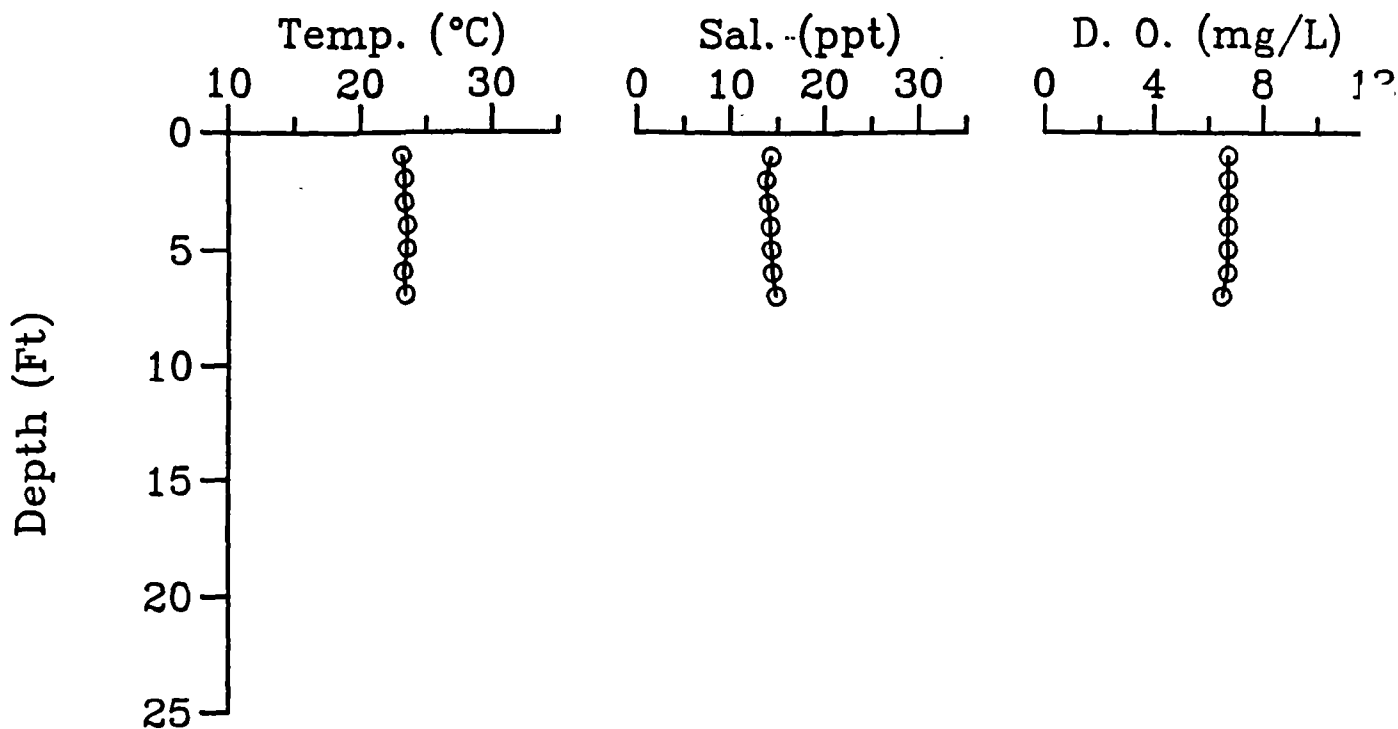
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8.5
10/03/87
2255



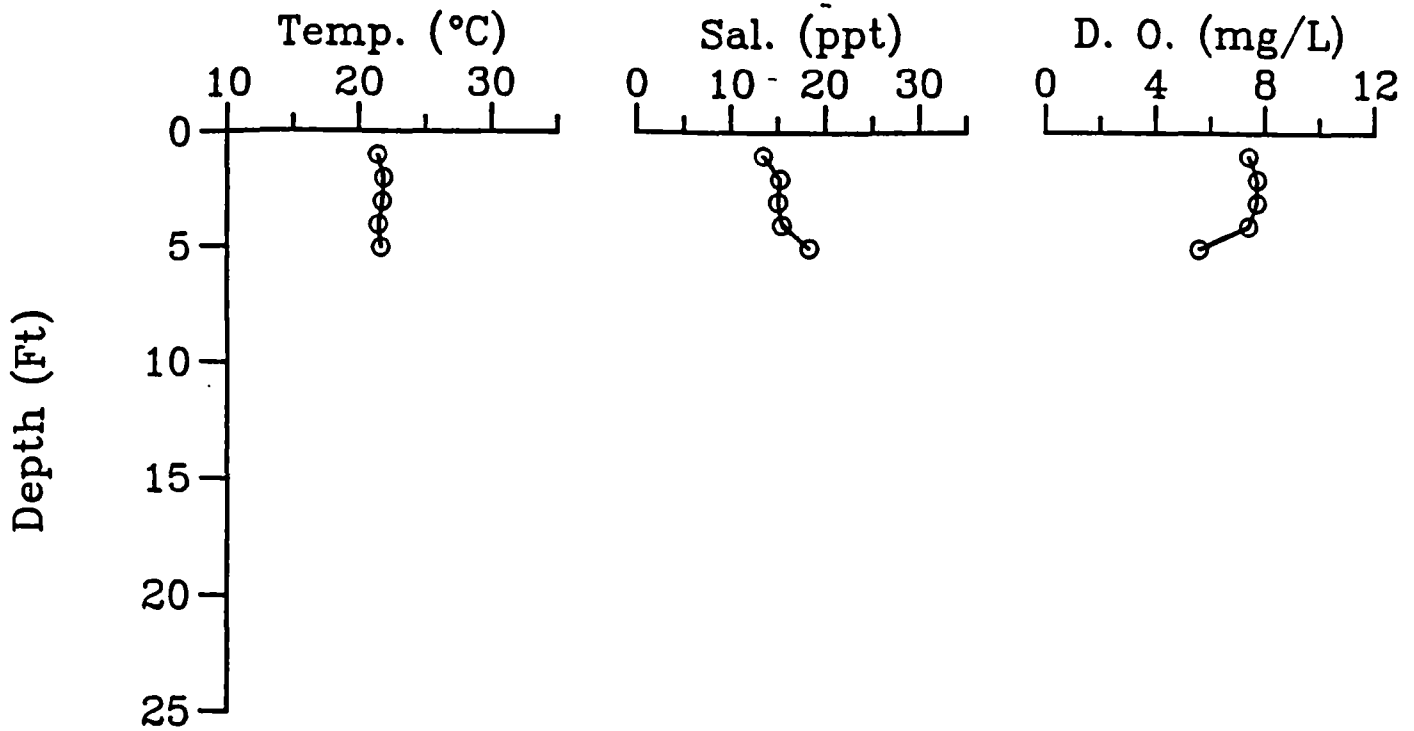
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8.5
10/03/87
1130



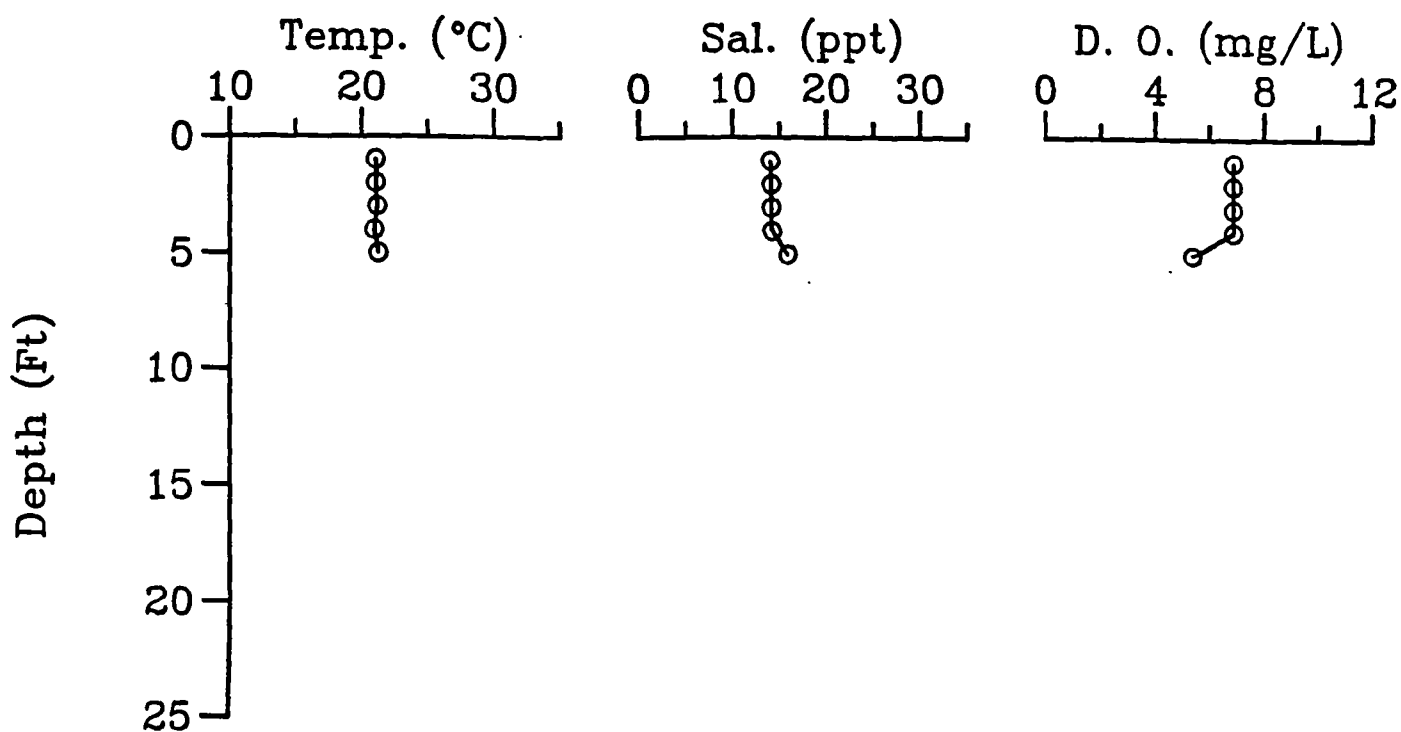
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8
10/04/87
21 45



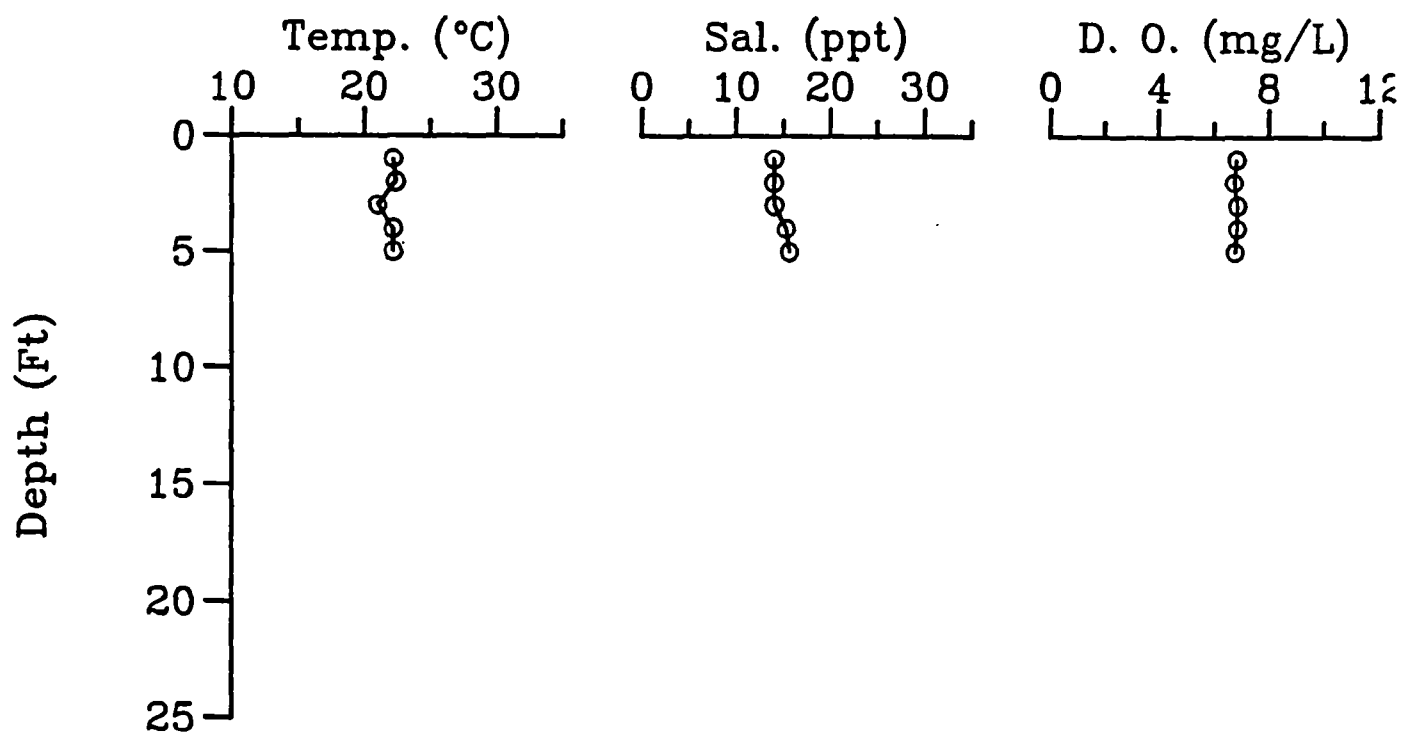
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8
10/04/87
1210



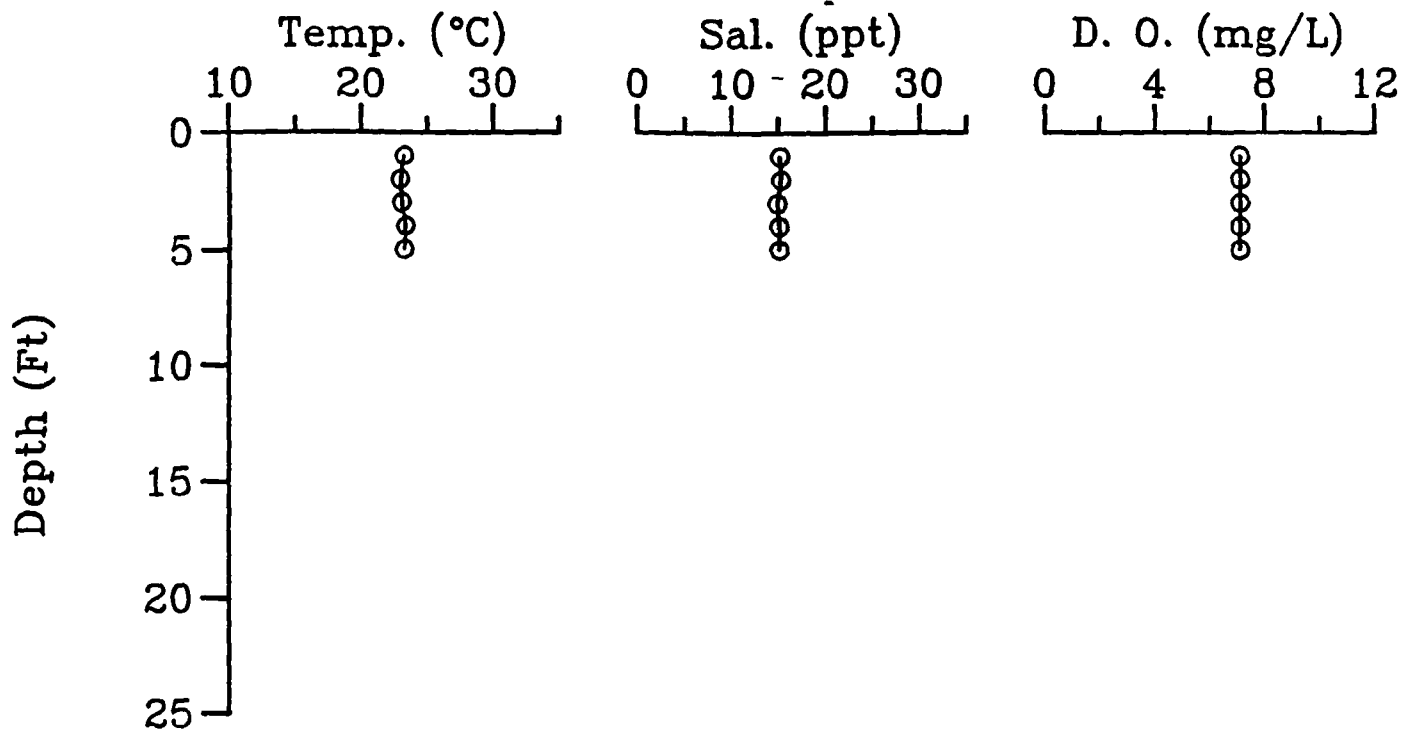
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8
10/03/87
- 2237



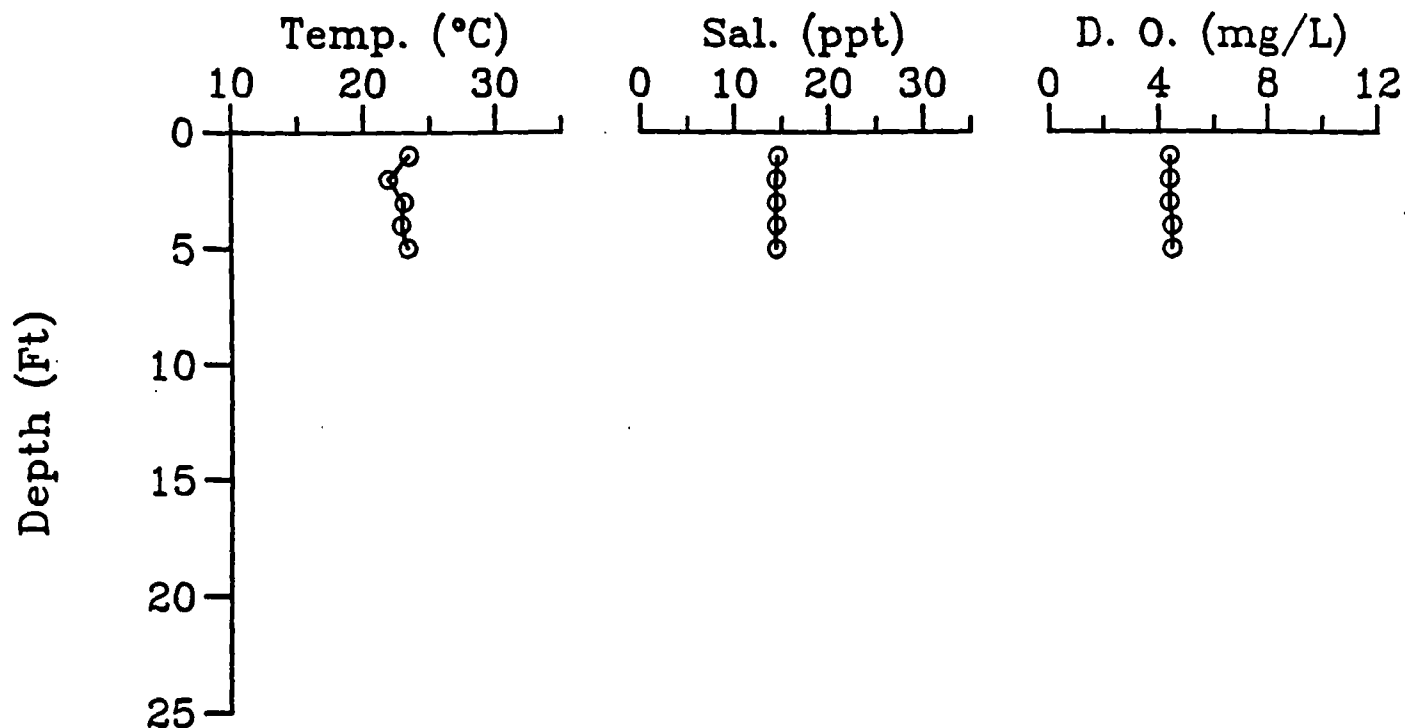
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8
10/03/87
1218



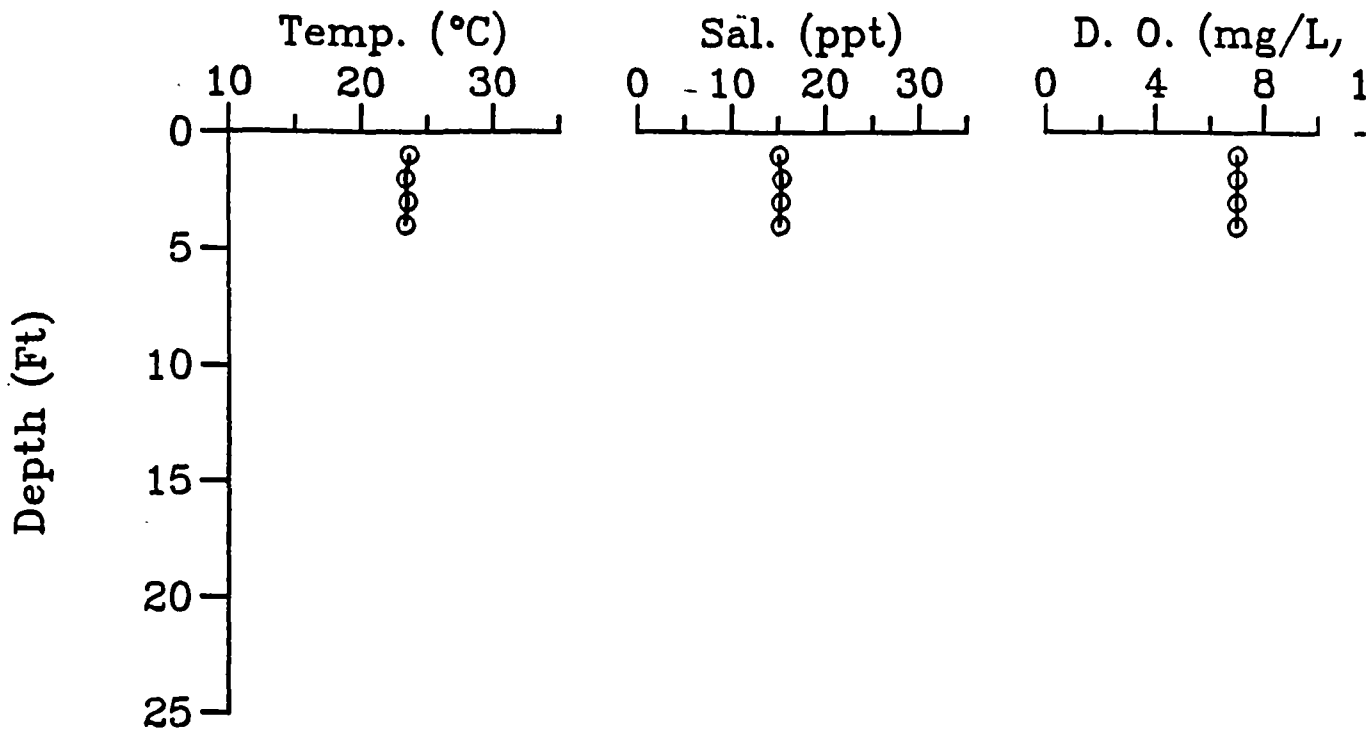
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7.5
10/03/87
2130



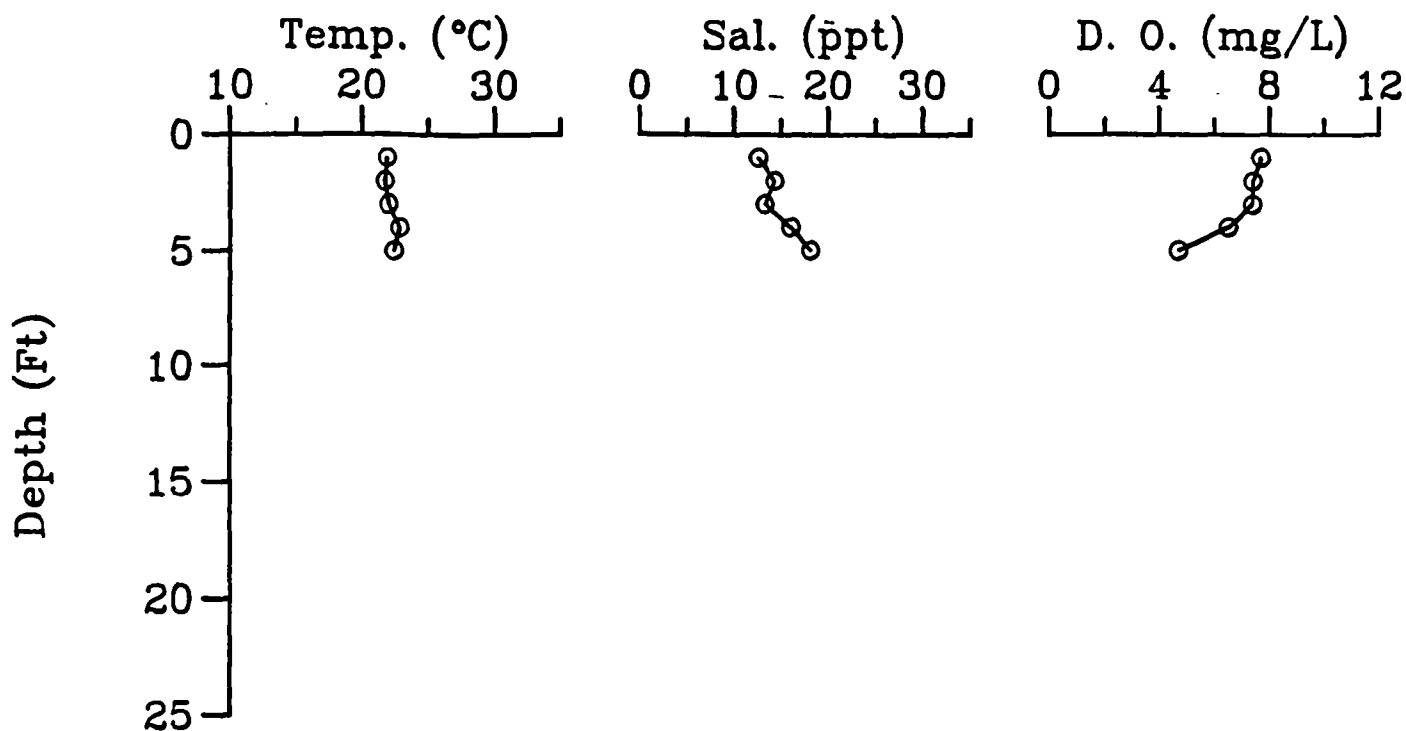
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7.5
10/03/87
1255



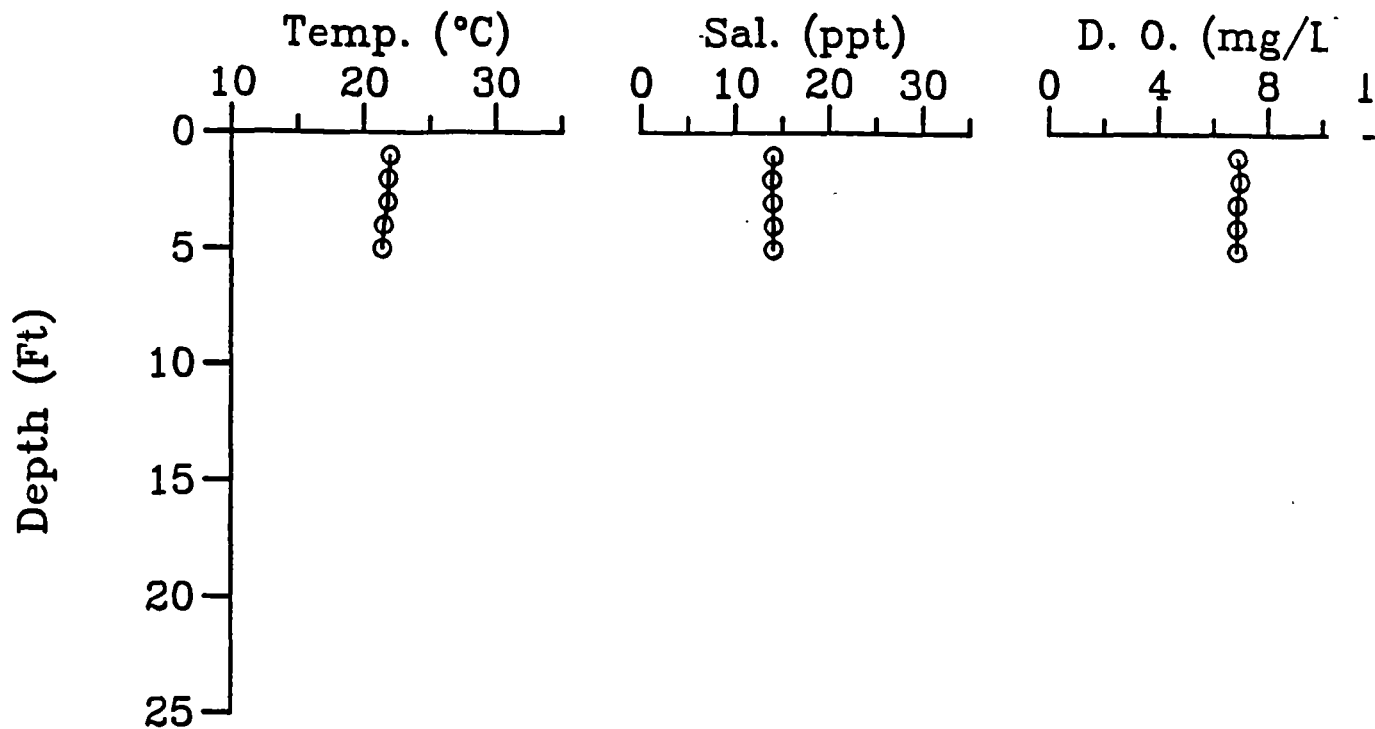
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7.5
10/04/87
2250



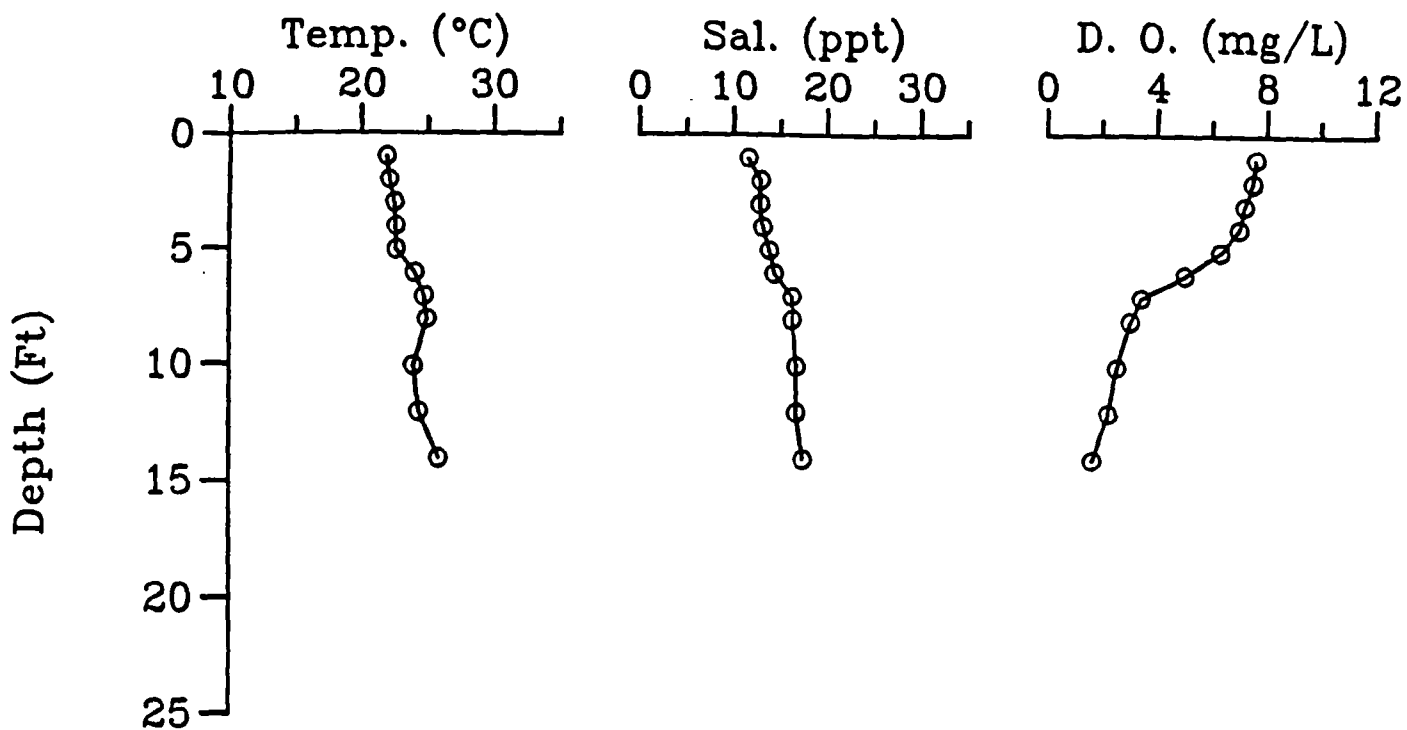
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7.5
10/04/87
1550



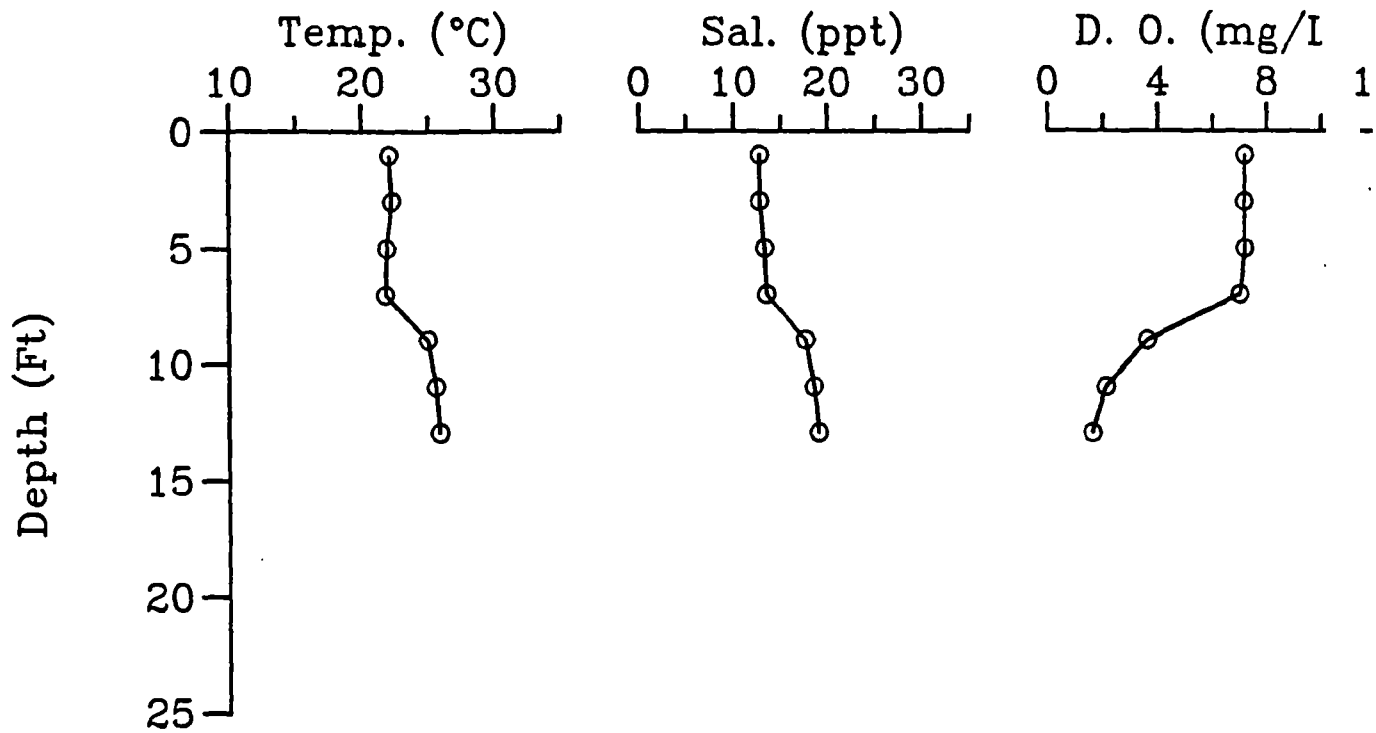
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7
10/04/87
22 35



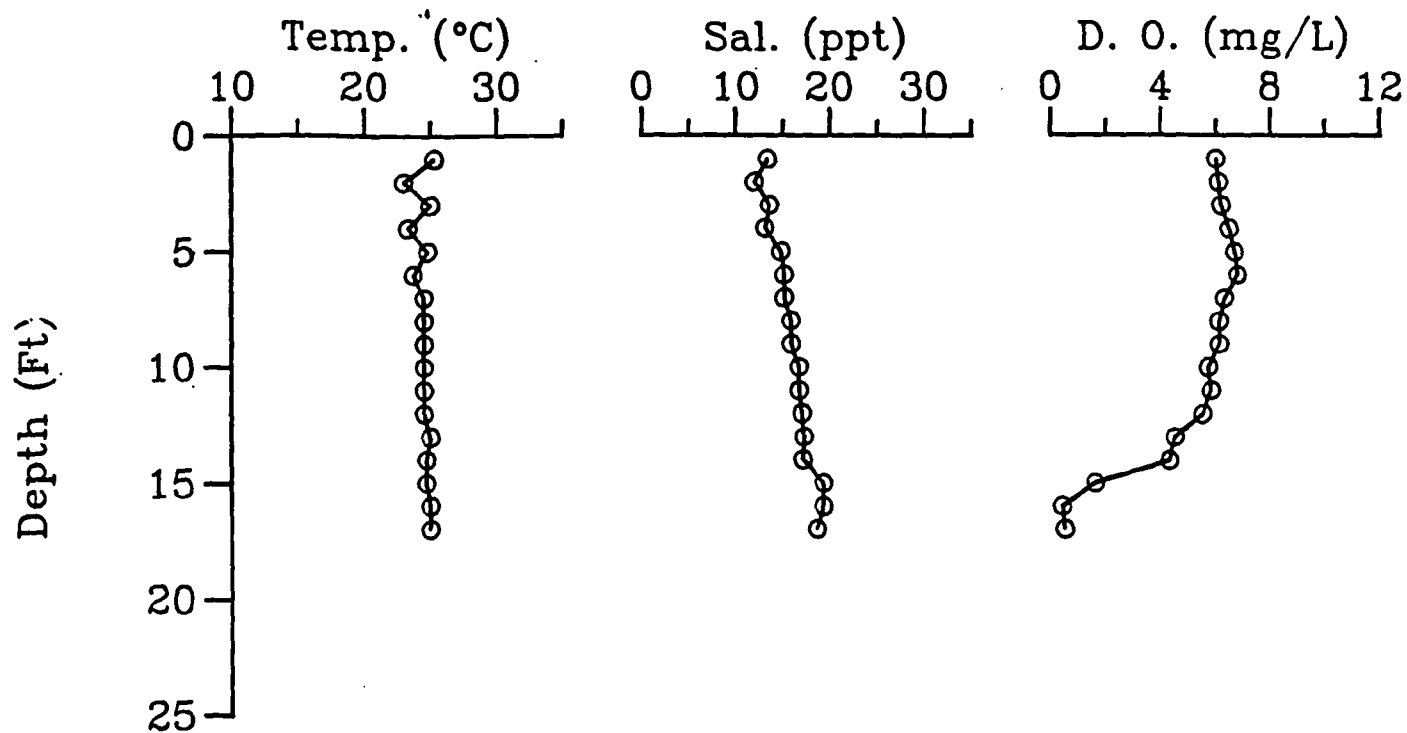
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7
10/04/87
1325



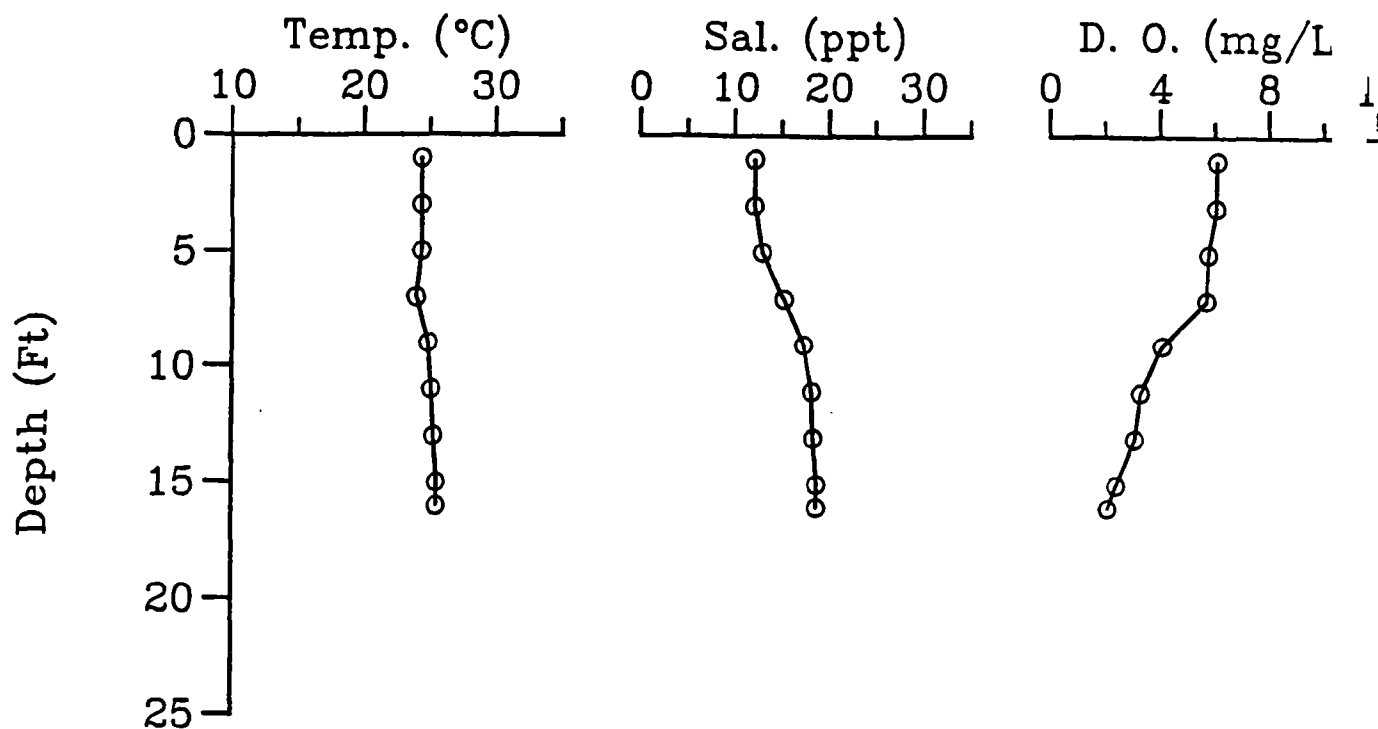
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7
10/03/87
1957



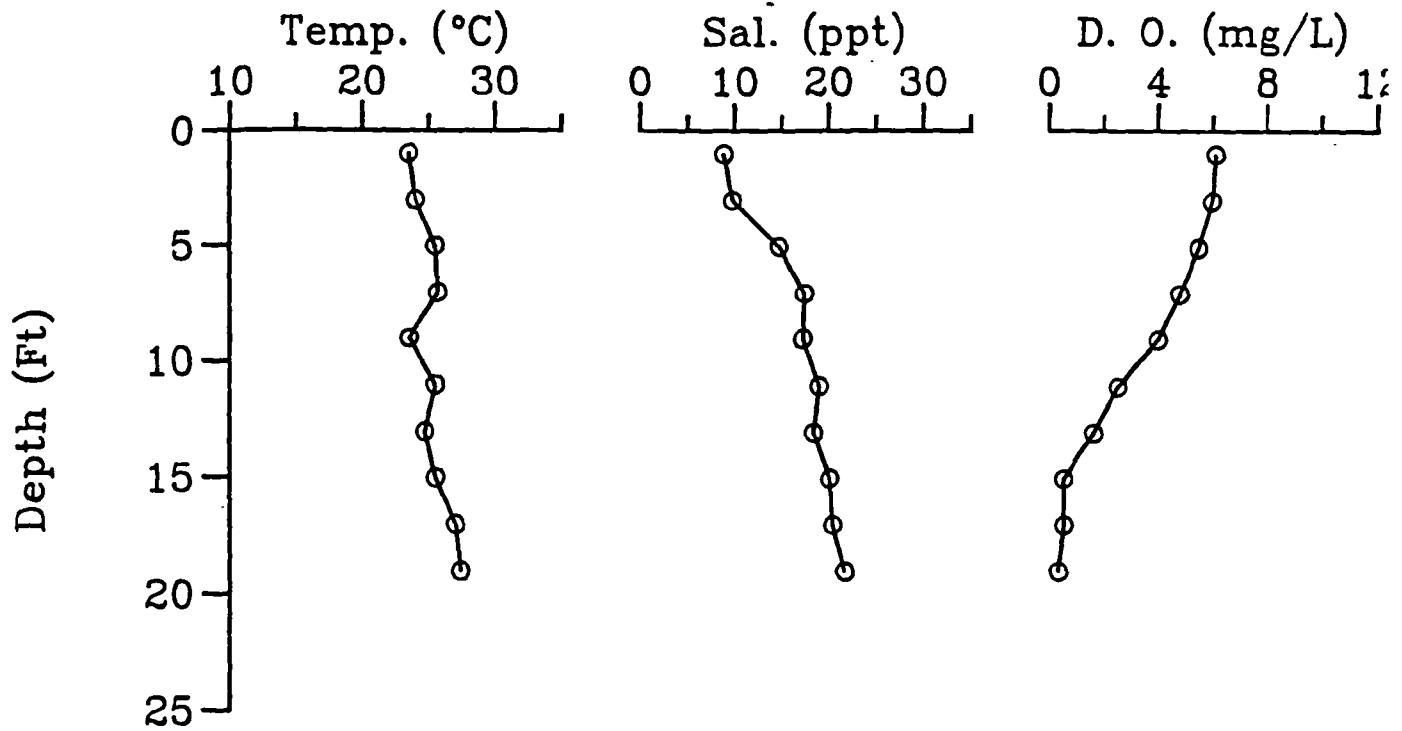
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7
10/03/87
1400



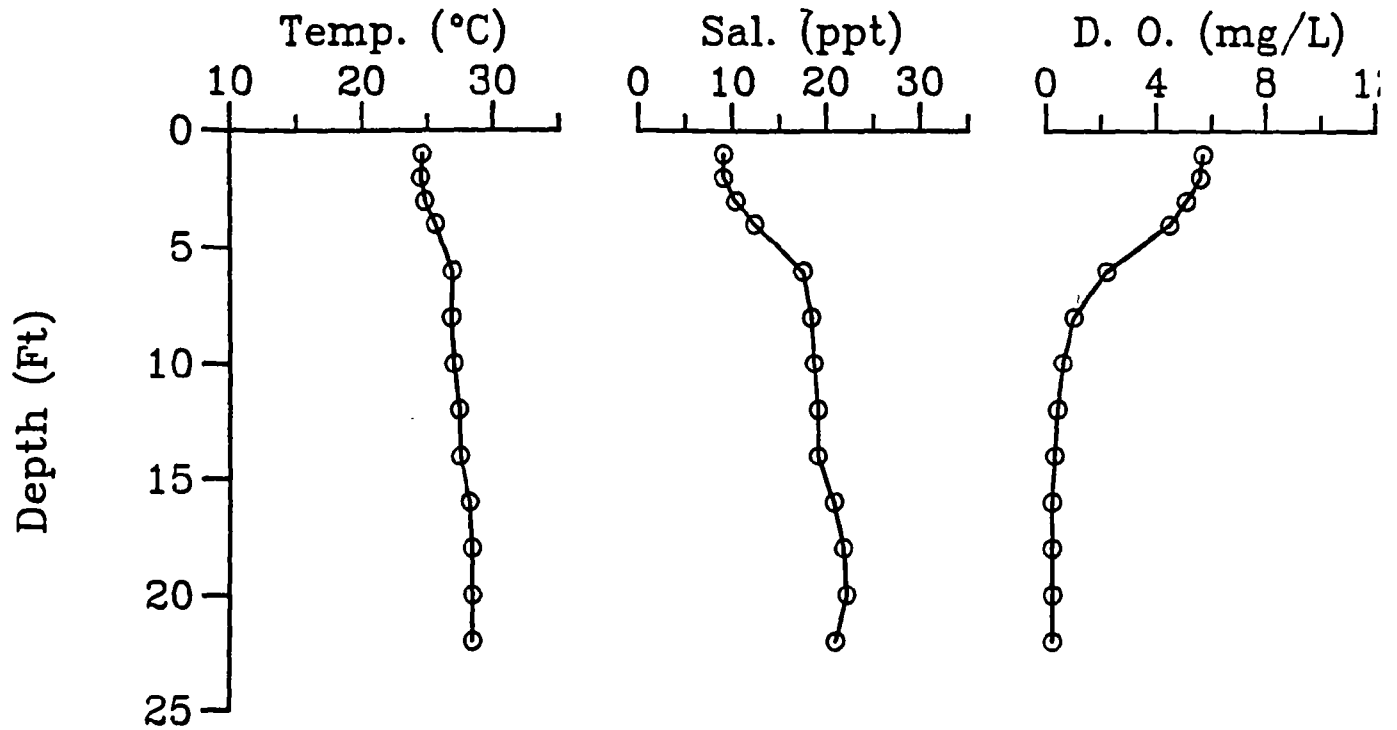
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-6
10/03/87
2023



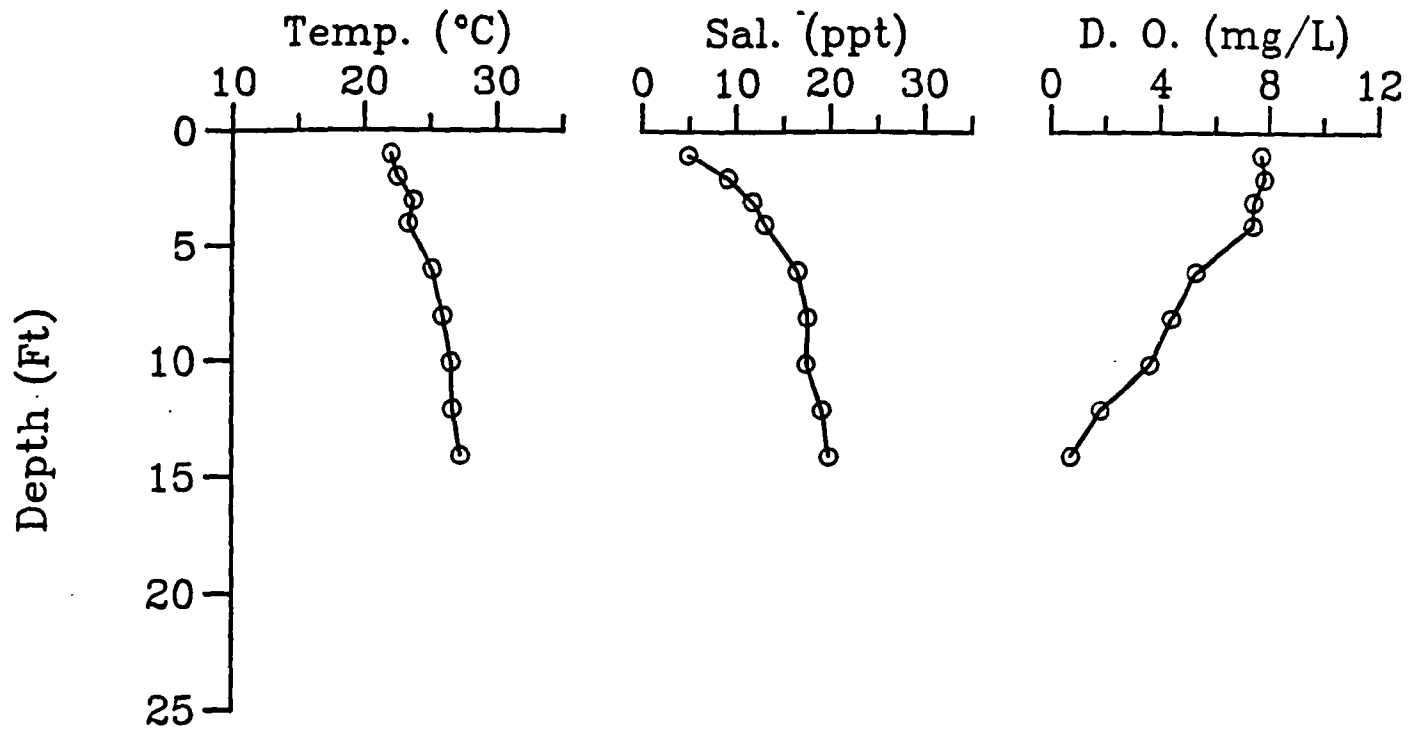
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-6
10/03/87
1310



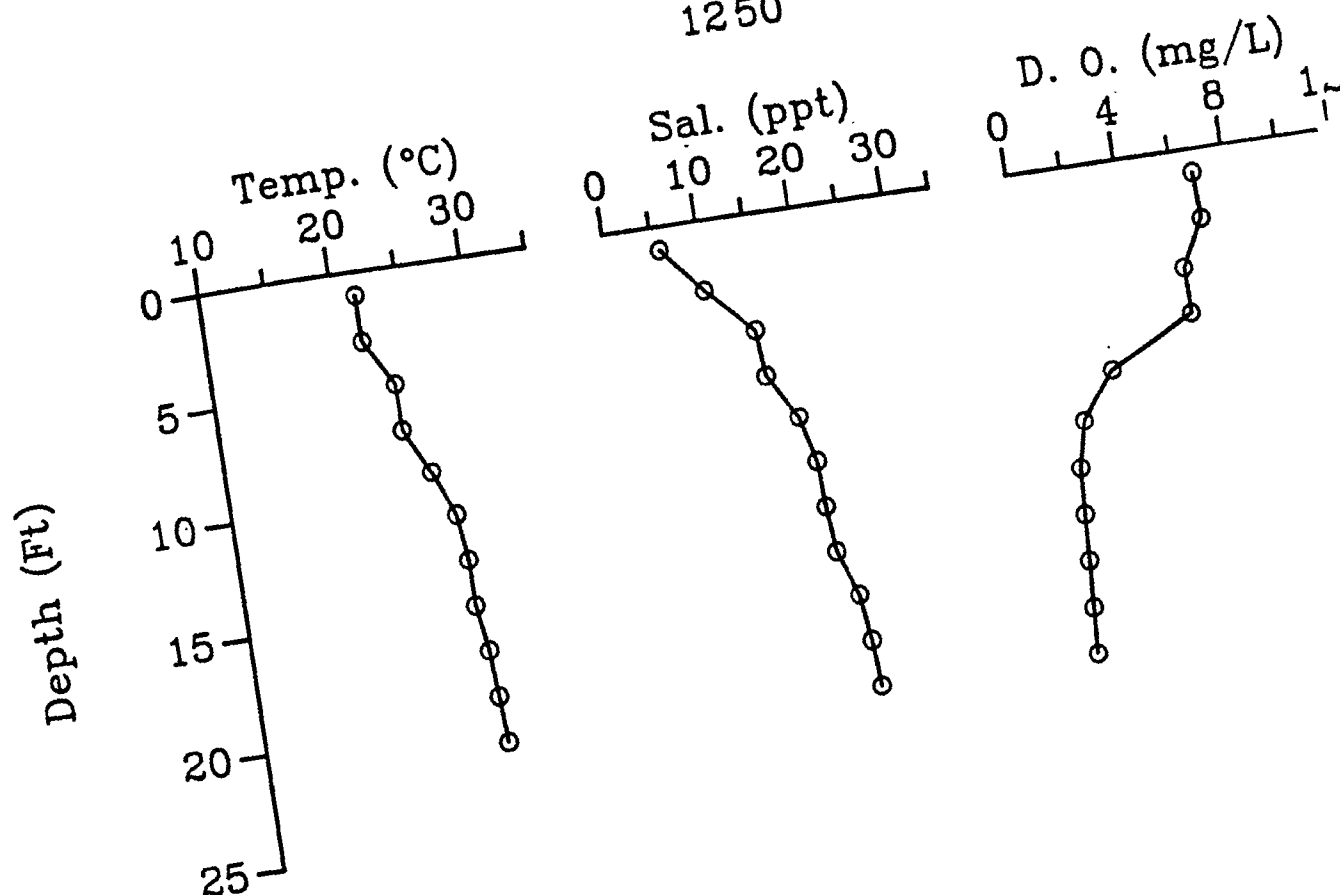
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-6
10/04/87
2215



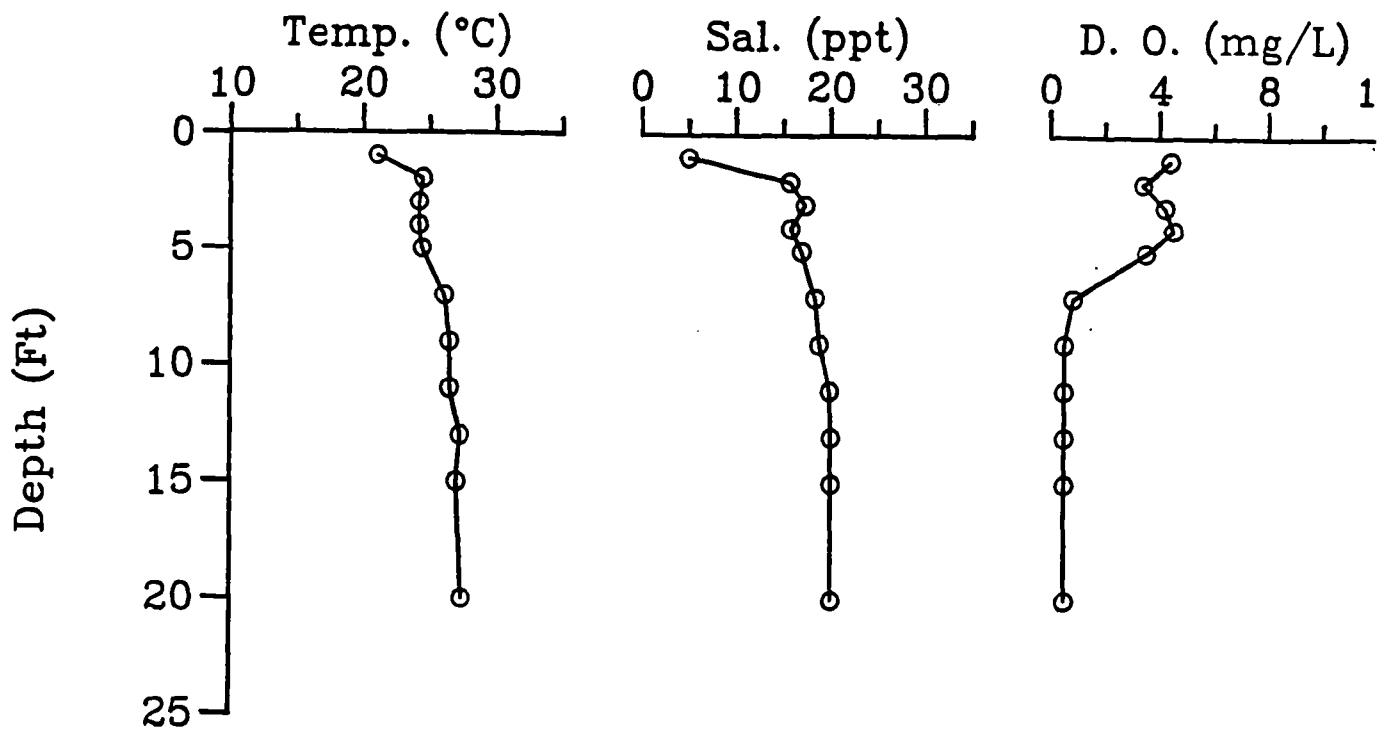
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-6
10/04/87
1250



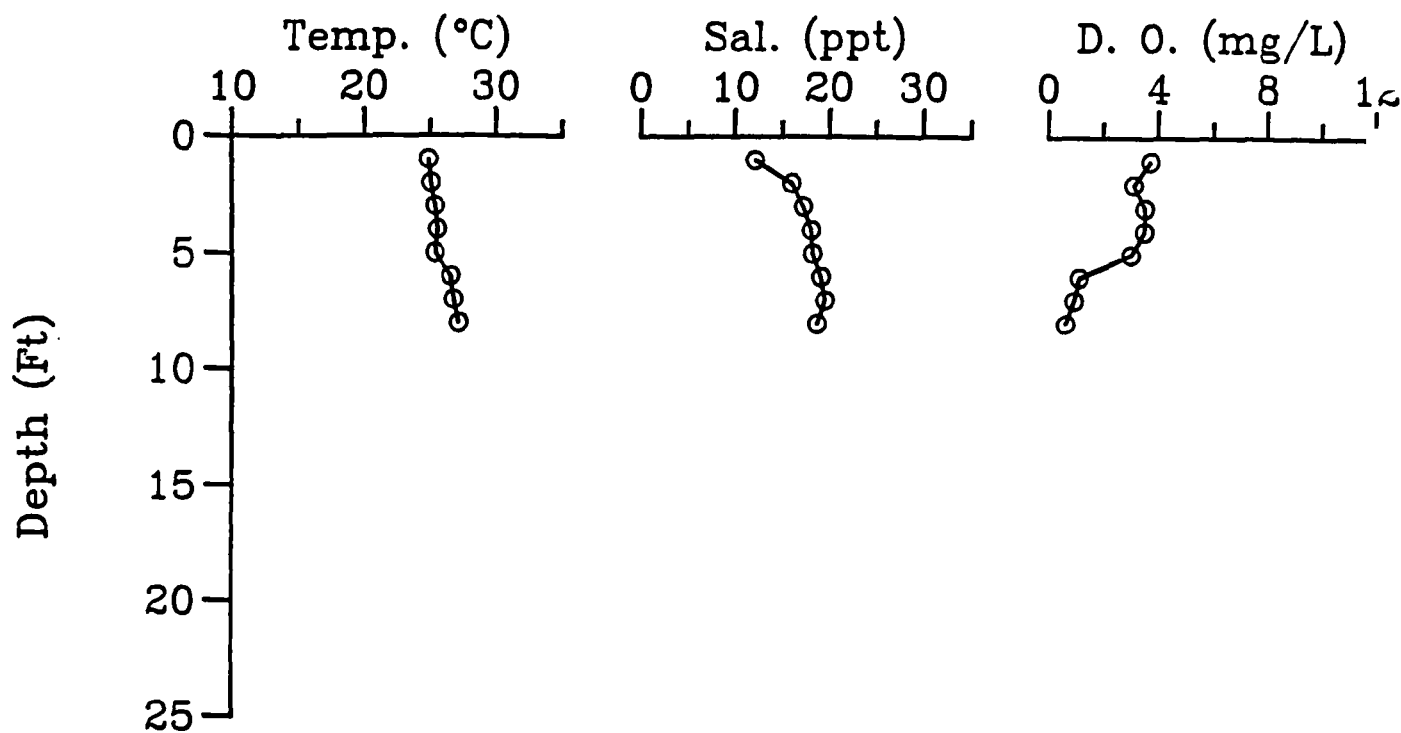
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-4
10/03/87
2220



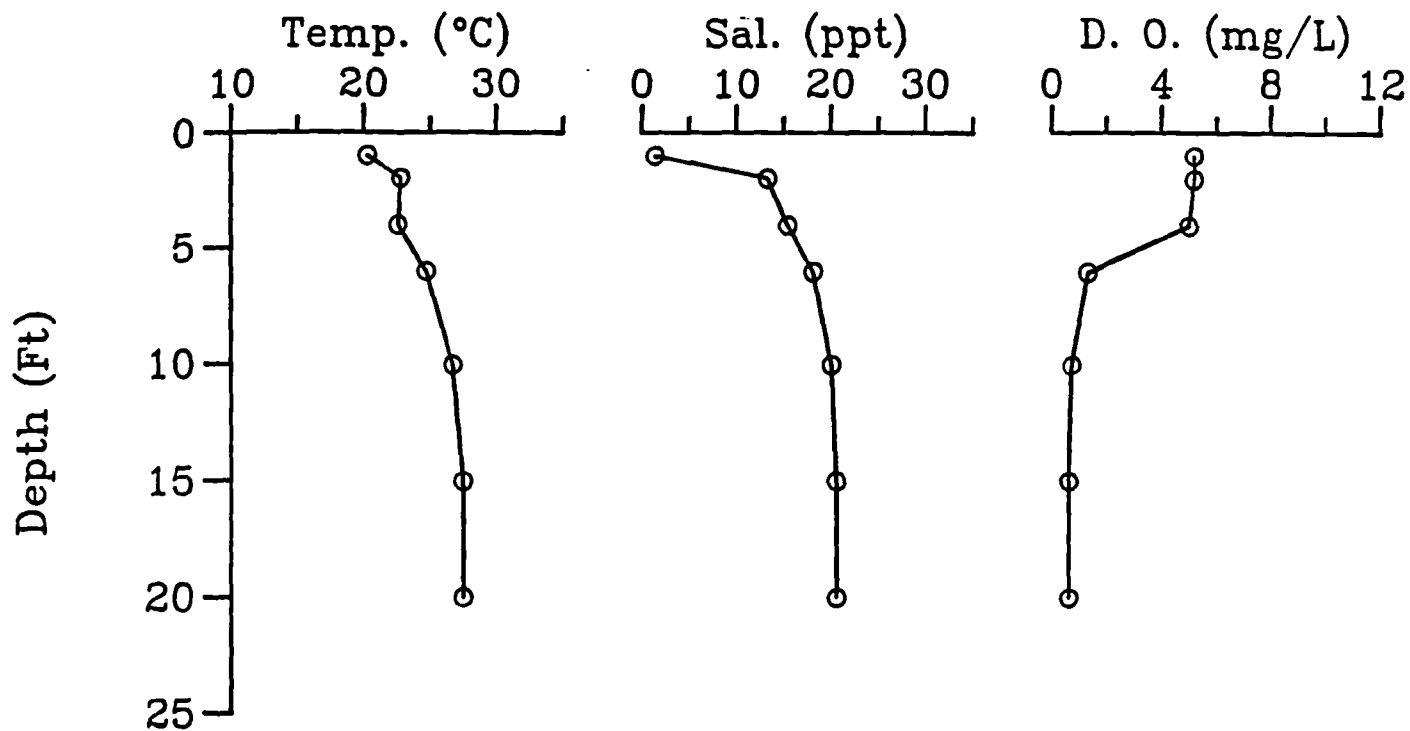
PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-4
10/03/87
1450



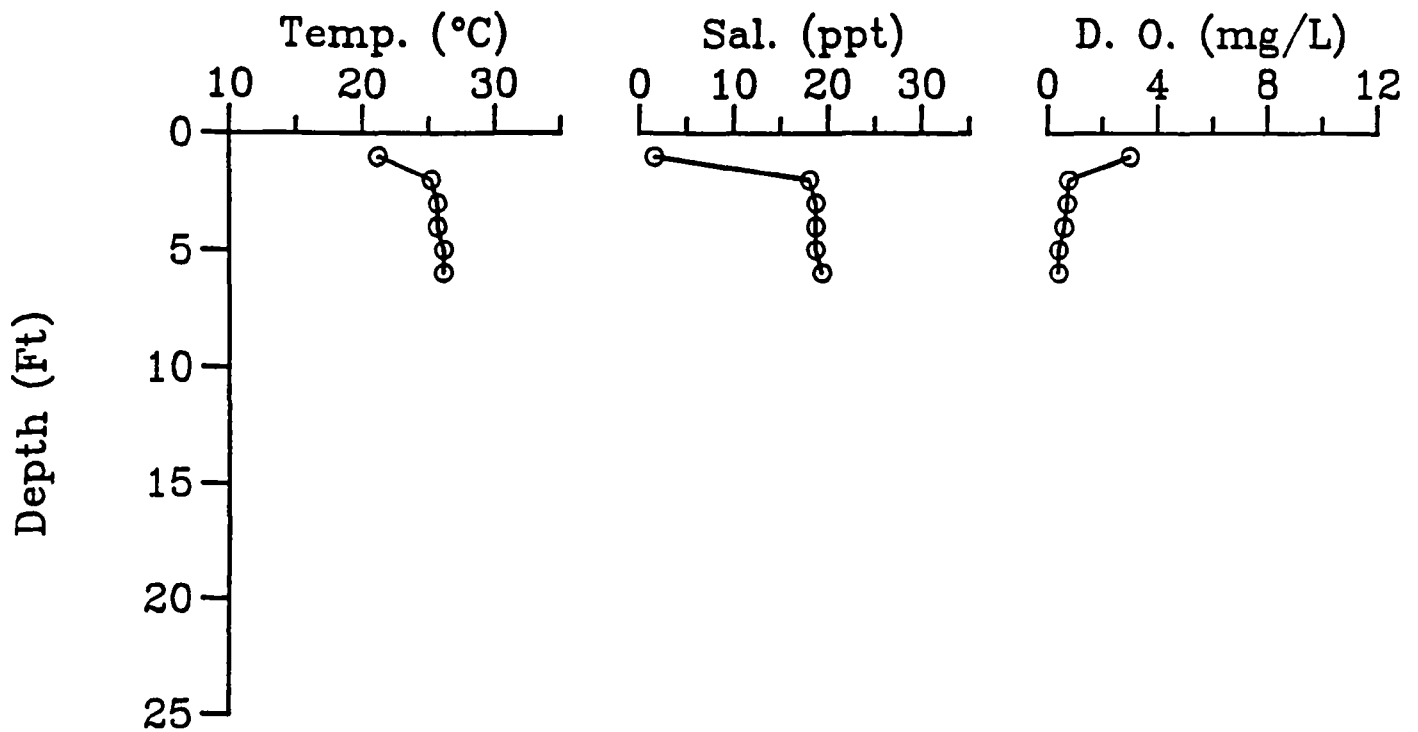
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-4
10/04/87
2320



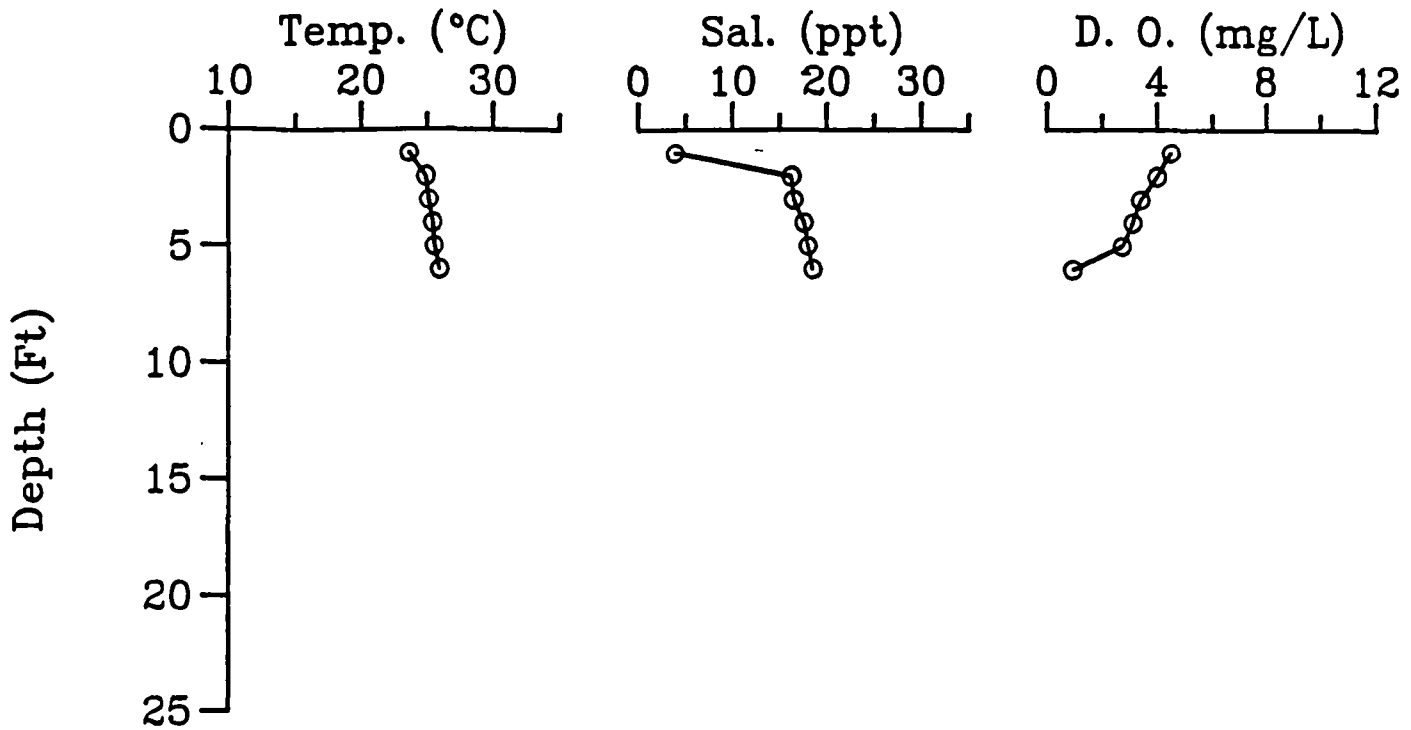
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-3
10/03/87
2200



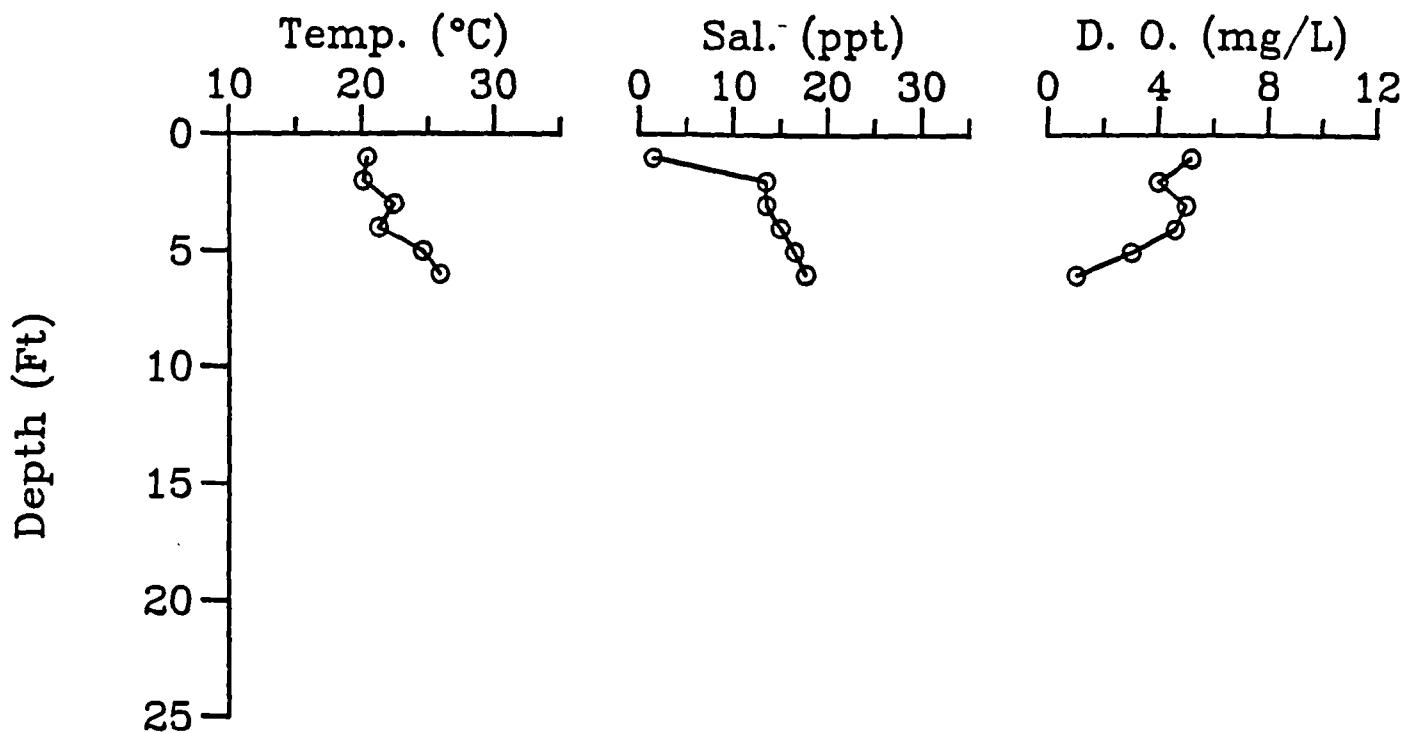
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-3
10/03/87
1420



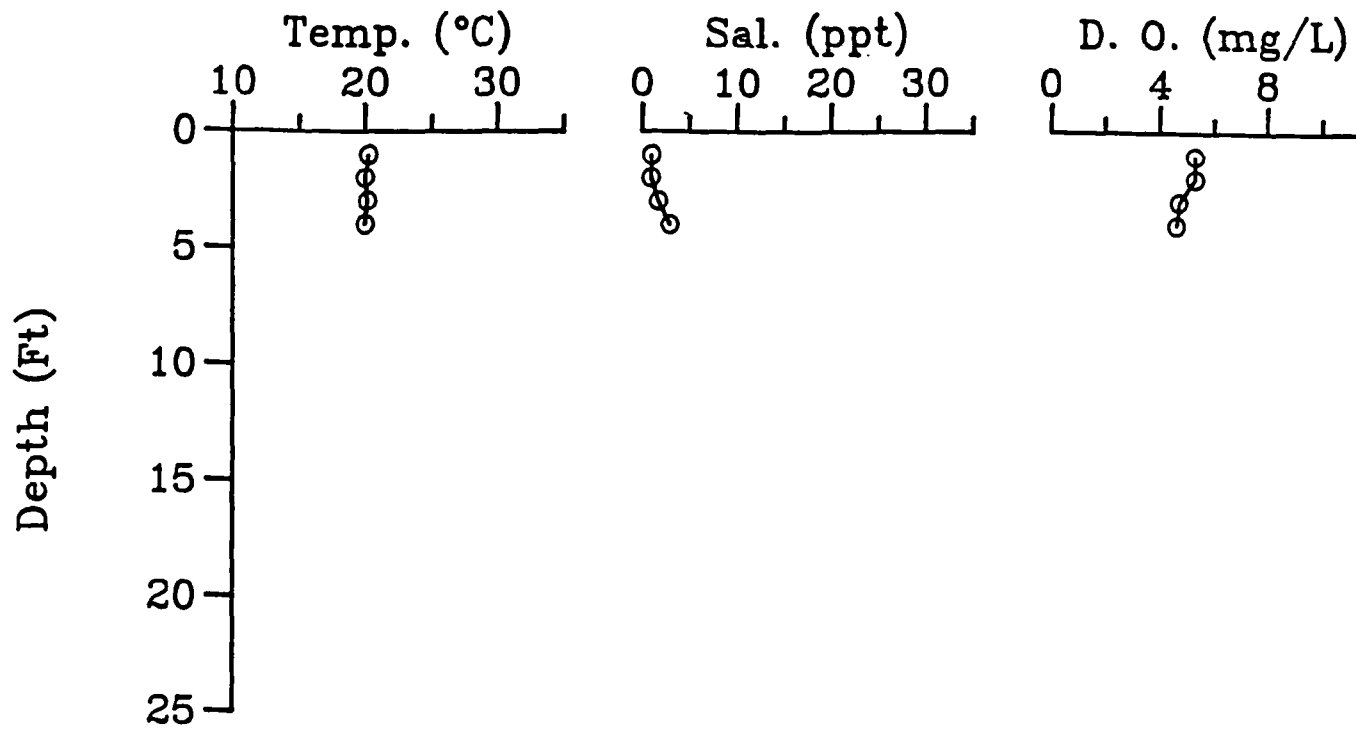
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-3
10/04/87
2330



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-2
10/04/87
15 00



PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-2
10/03/87
1355

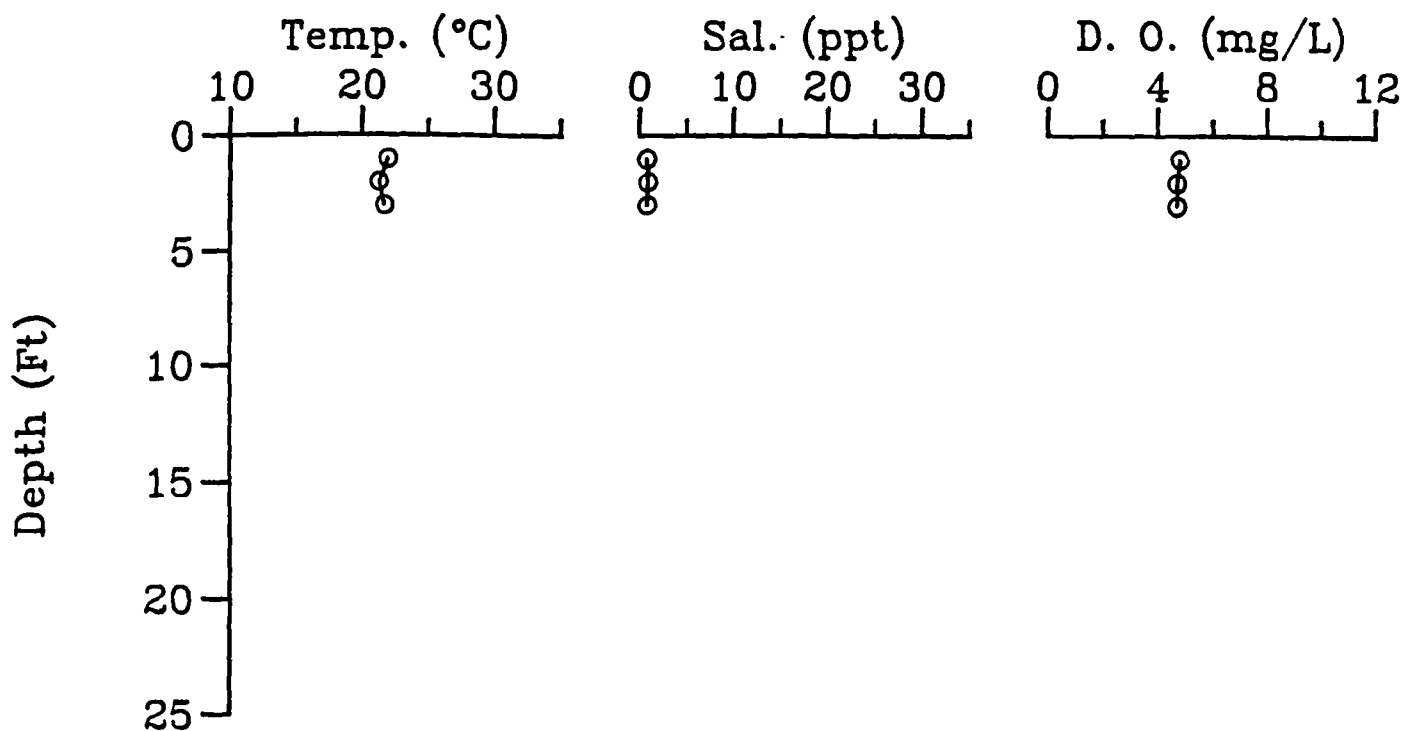
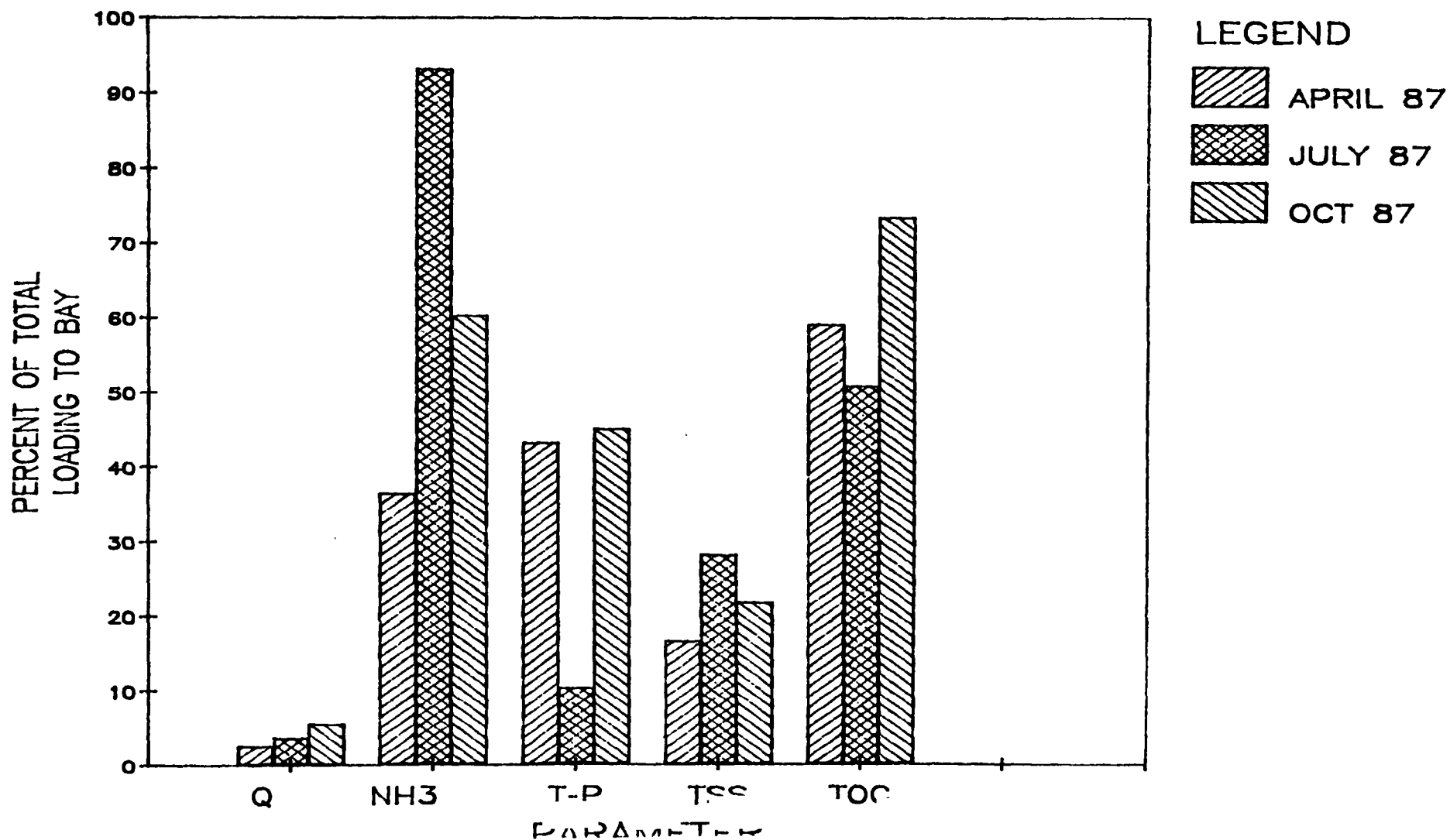


Table _____. Mean Sediment Oxygen Demand Rate, Perdido Bay, Spring/Fall 1987.

Station	Spring 1987		Fall 1987		Average Water Temp (°C)	
	(g O ₂ /m ² /hr)	(g O ₂ /m ² /day)	(g O ₂ /m ² /hr)	(g O ₂ /m ² /day)	Spring 1987	Fall 1987
C-2	0.063	1.51	0.027	0.65	18.7	21.5
C-3			0.053	1.27		27.5
C-6.5	0.082	1.97			16.8	
C-8	0.038	0.91	0.062	1.49	16.7	27.3
C-9	0.042	1.01			18.0	
C-10	0.040	0.96			16.2	
C-11			0.058	1.39		25.7
C-12	0.040	0.96	0.094	2.26	16.8	26.2
C-13	0.160	3.84	0.183	4.39	16.3	28.0
C-14	0.043	1.03	0.067	1.16	16.0	27.6
C-16	0.041	0.98	0.103	2.47	16.5	25.5

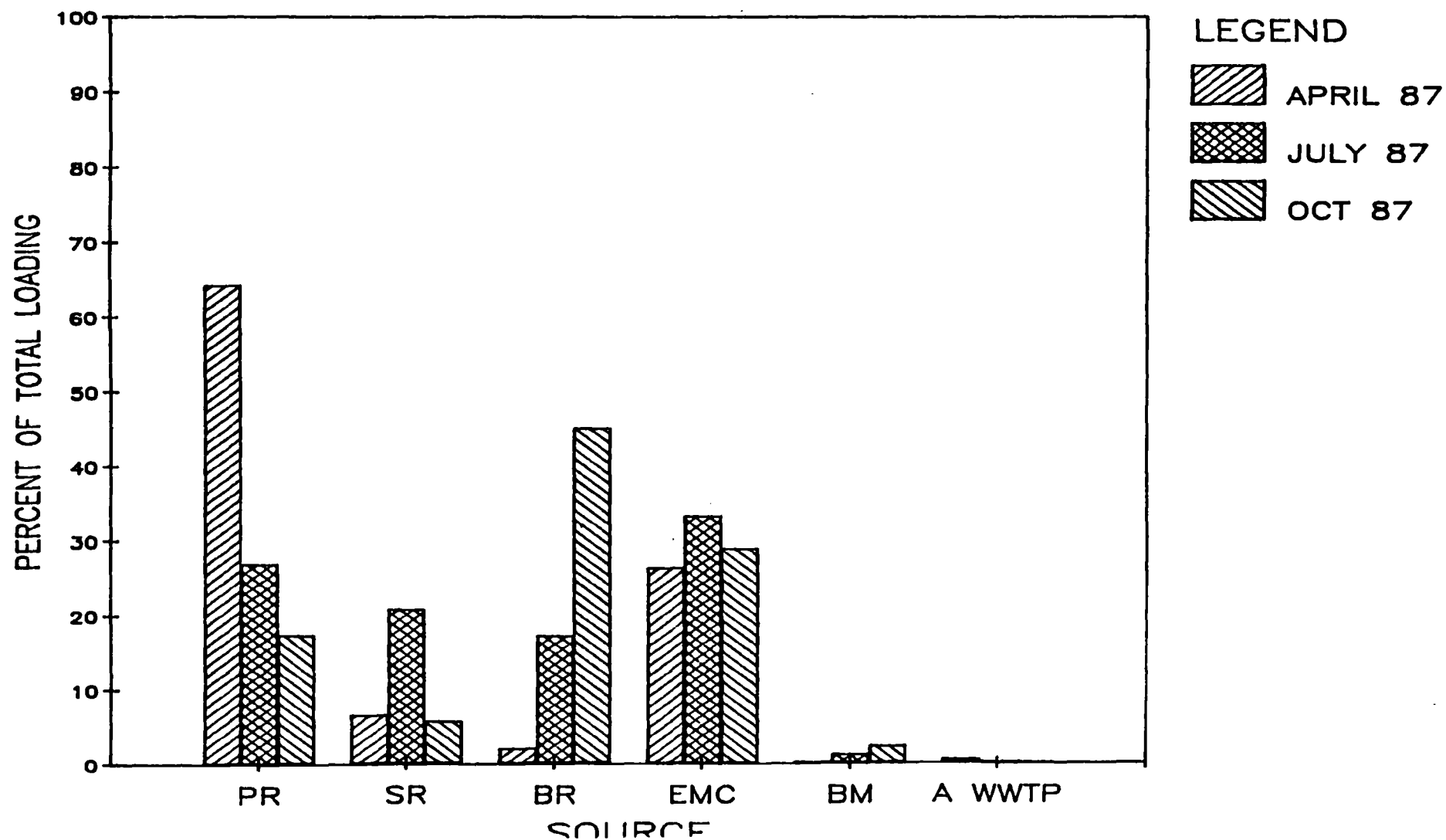
PRELIMINARY-SUBJECT
TO REVISION

CHAMPION PAPER INTERNATIONAL PERDIDO RIVER BASIN APRIL, JULY, OCT 1987



PRELIMINARY--SUBJECT
TO REVISION

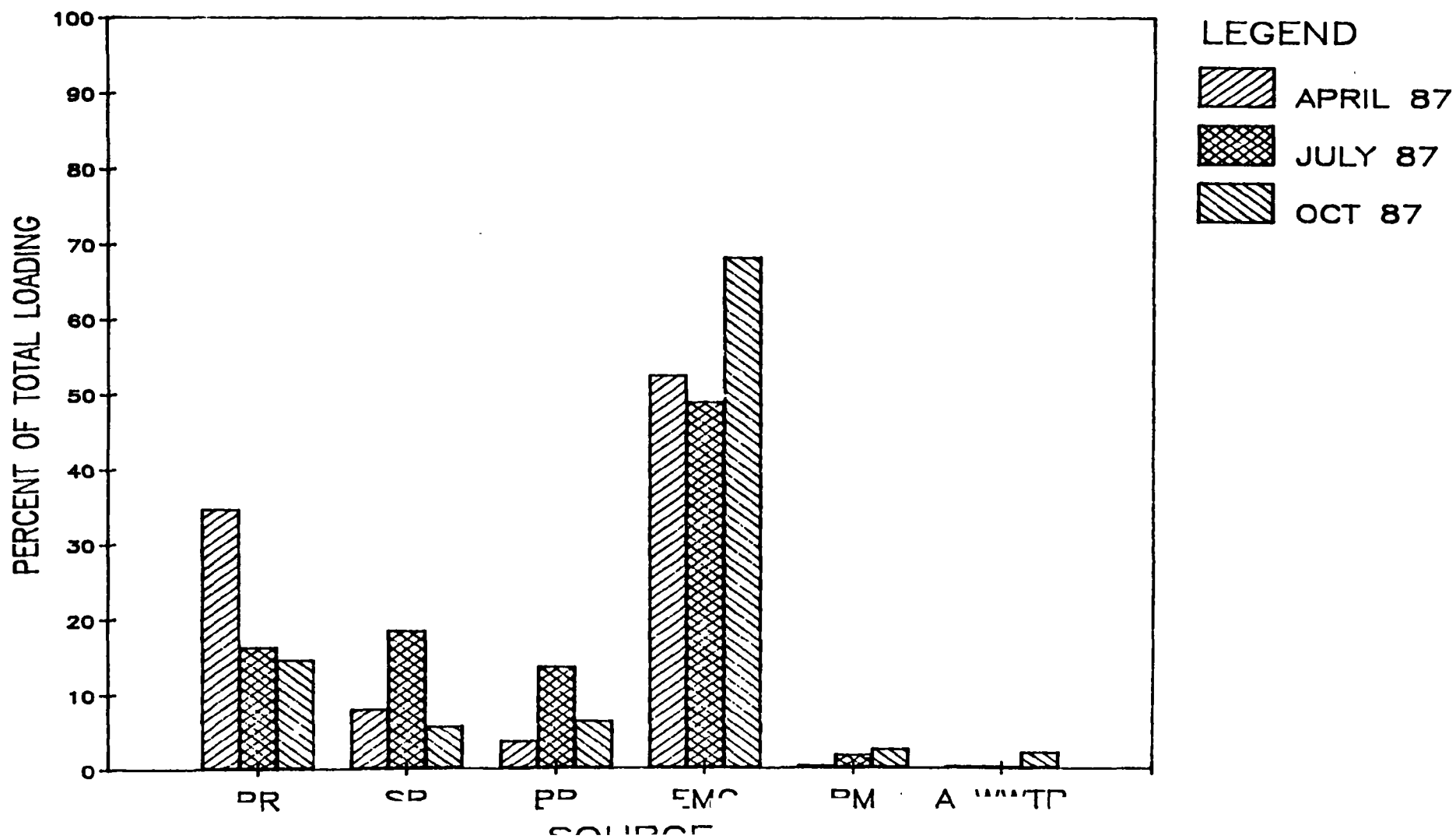
TOTAL SUSPENDED SOLIDS PERDIDO RIVER BASIN APRIL, JULY, OCT 1987



5.227

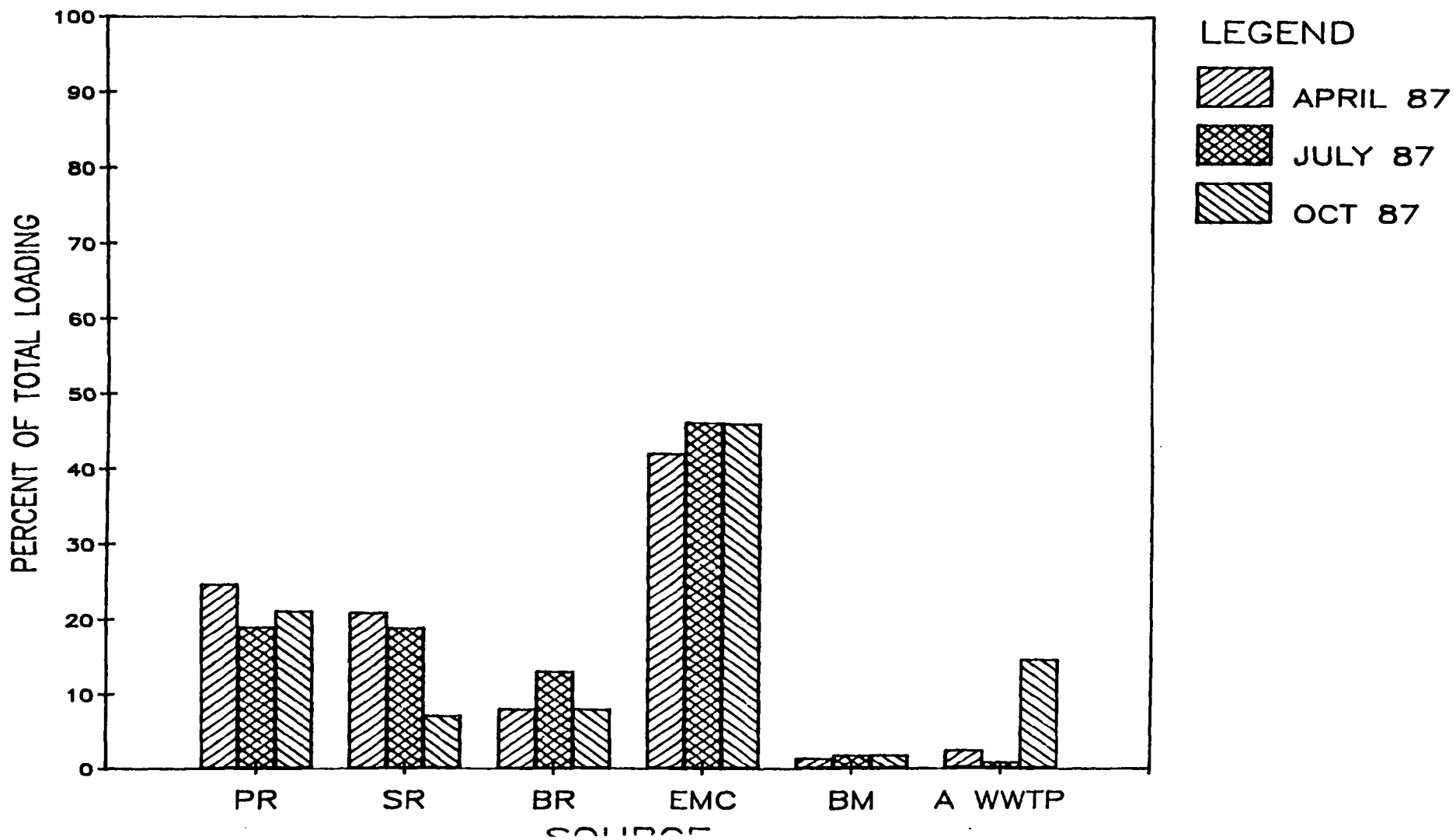
PRELIMINARY-SUBJECT
TO REVISION

TOTAL ORGANIC CARBON PERDIDO RIVER BASIN APRIL, JULY, OCT 1987



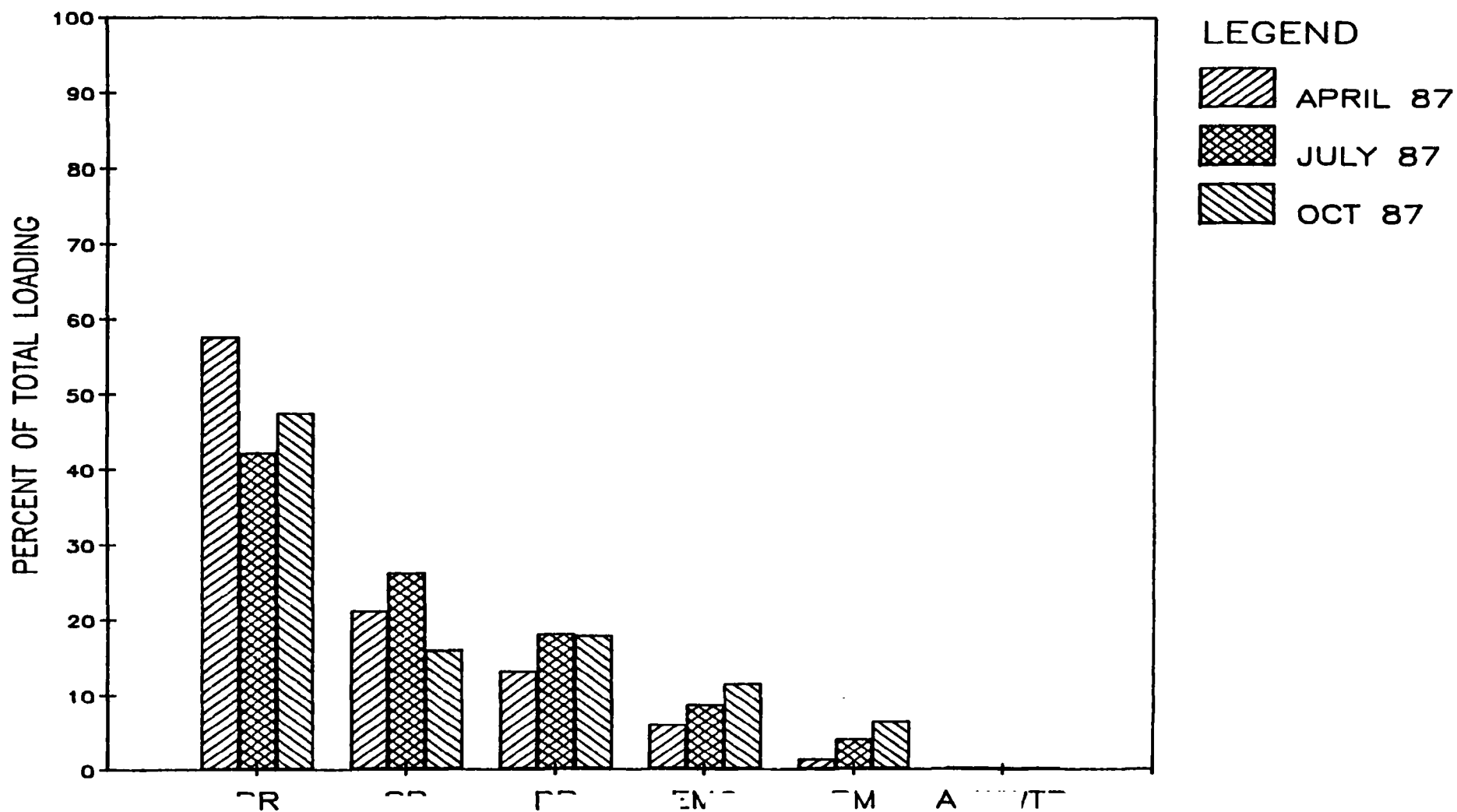
PRELIMINARY-SUBJECT
TO REVISION

AMMONIA NITROGEN PERDIDO RIVER BASIN APRIL, JULY, OCT 1987



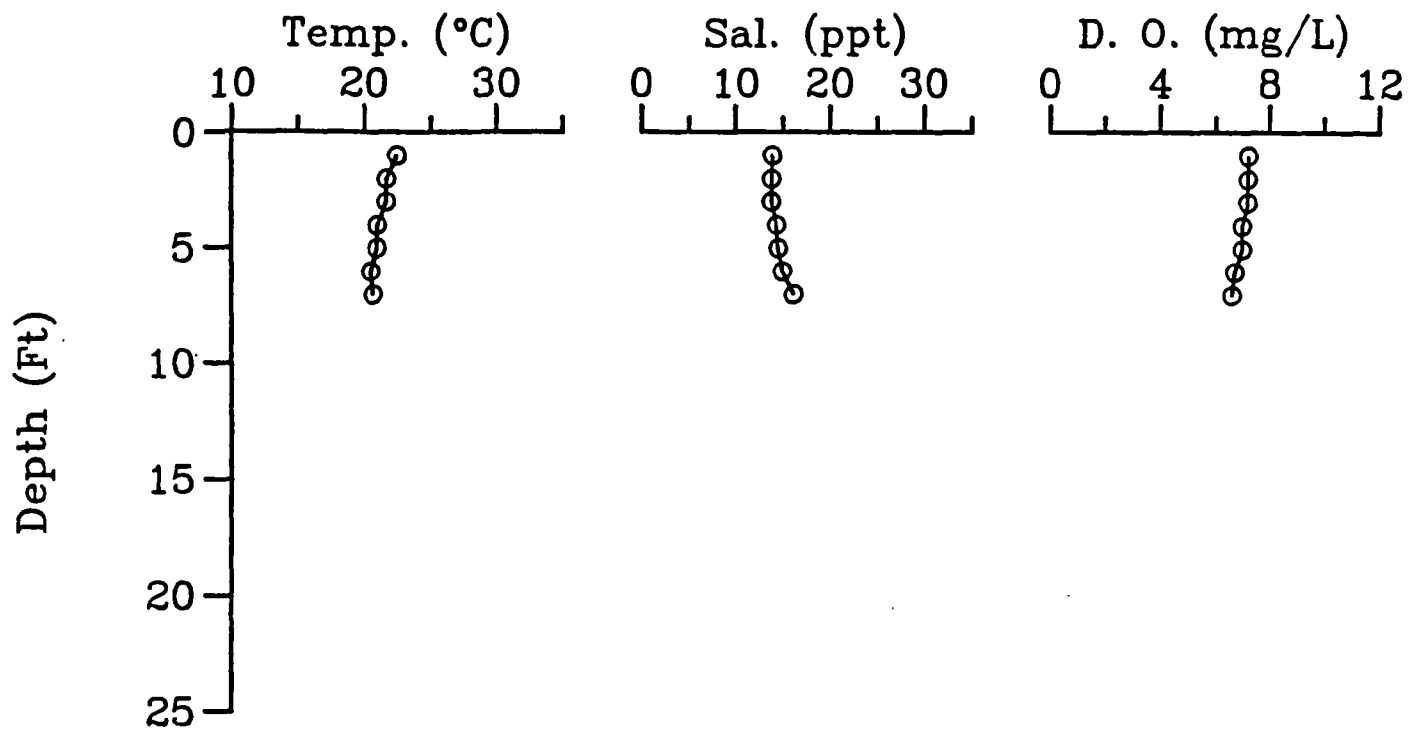
PRELIMINARY--SUBJECT
TO REVISION

SOURCE OF FLOW PERDIDO RIVER BASIN APRIL, JULY, OCT 1987



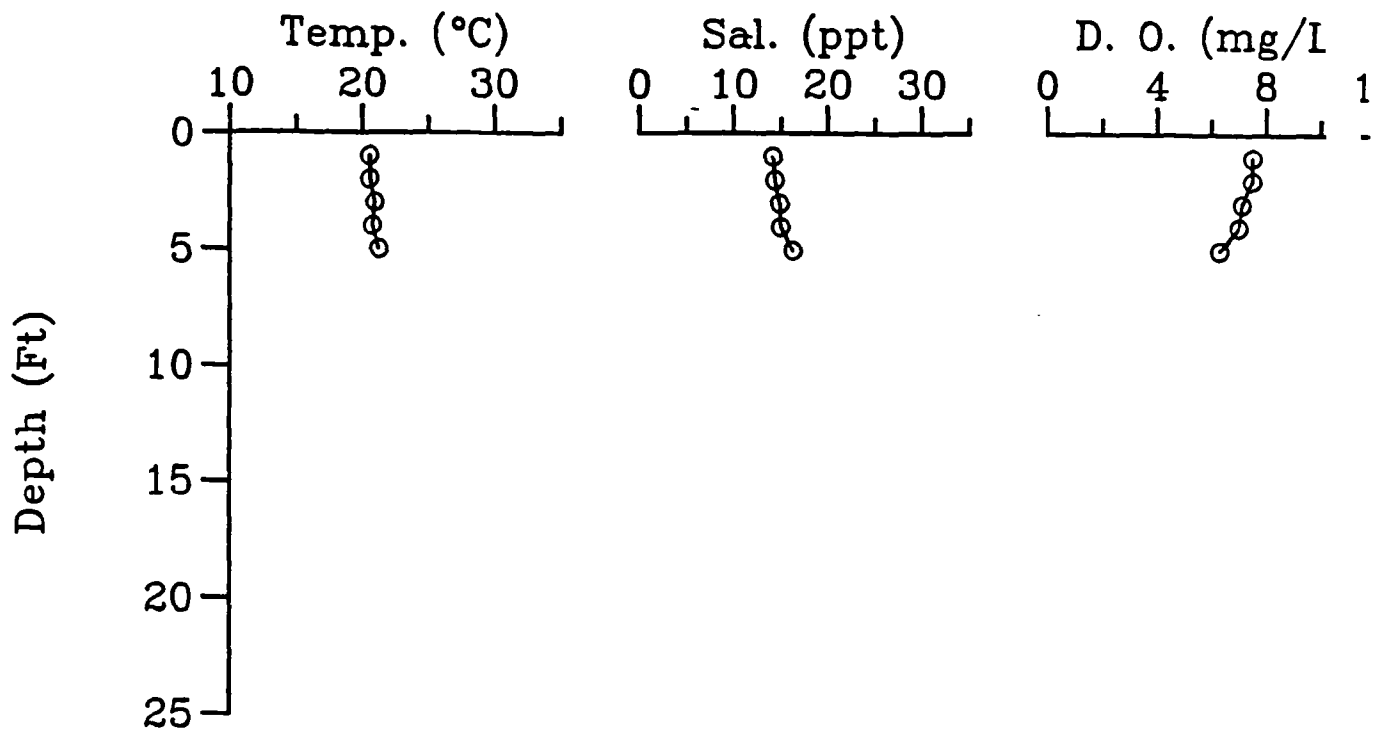
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-12
10/04/87
1315



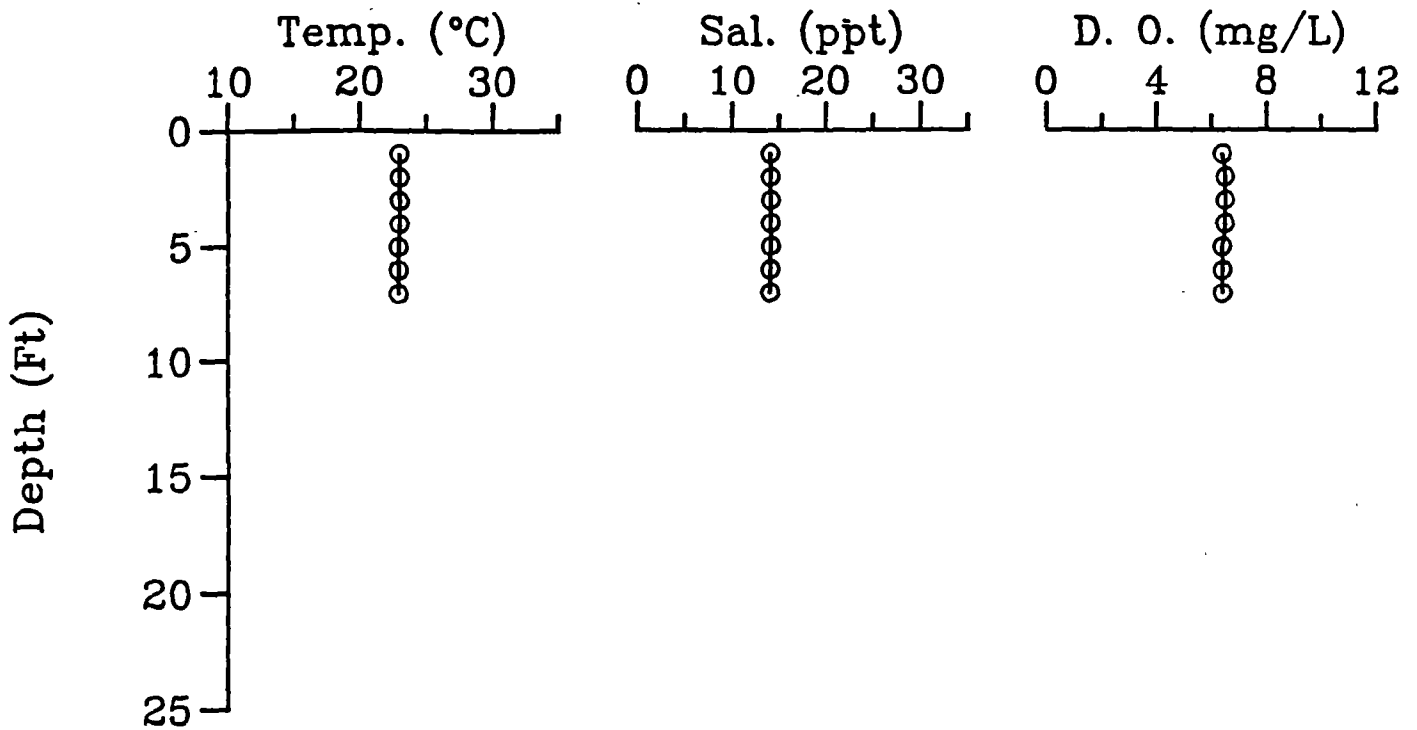
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-12
10/05/87
00 17



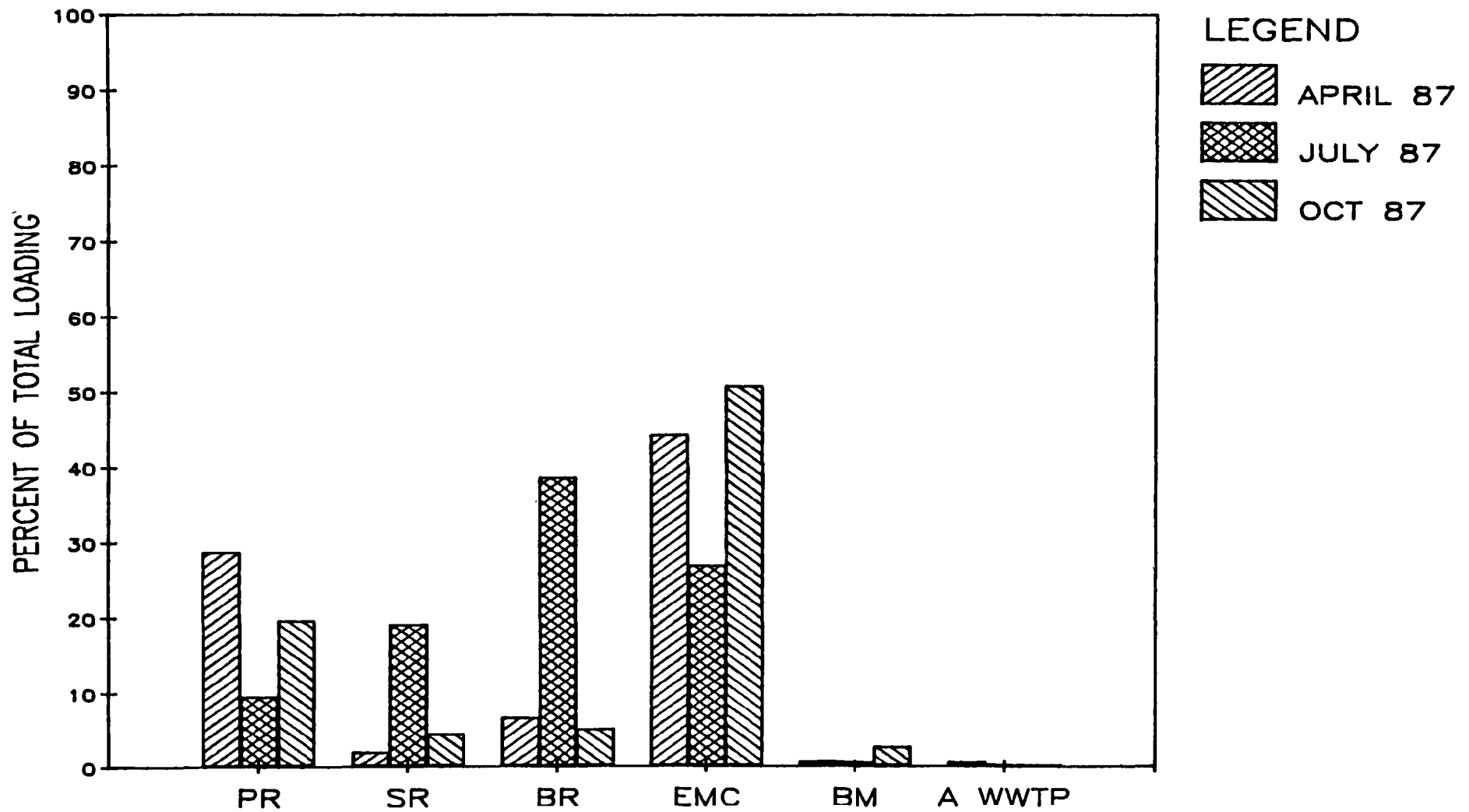
PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11.5
10/03/87
12 10



PRELIMINARY--SUBJECT
TO REVISION

TOTAL PHOSPHORUS PERDIDO RIVER BASIN APRIL, JULY, OCT 1987

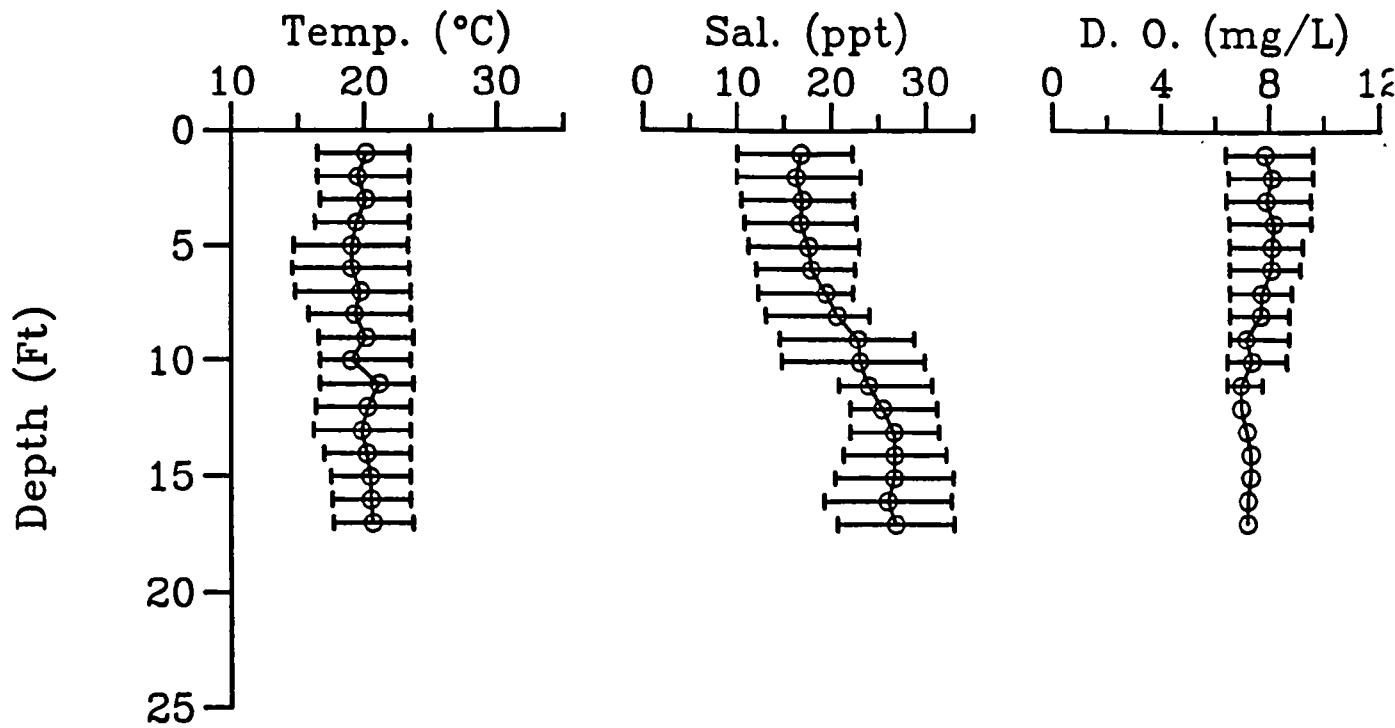


630.5

PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-17

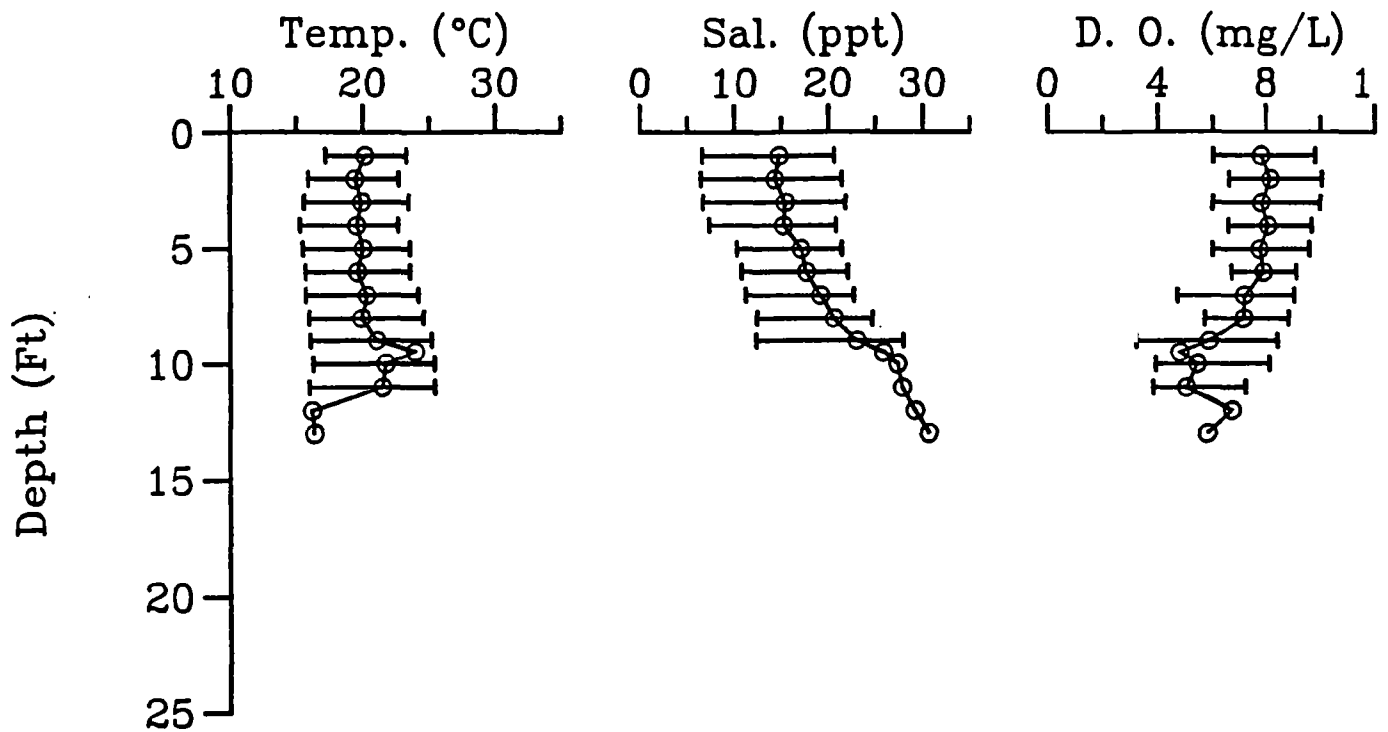
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-16

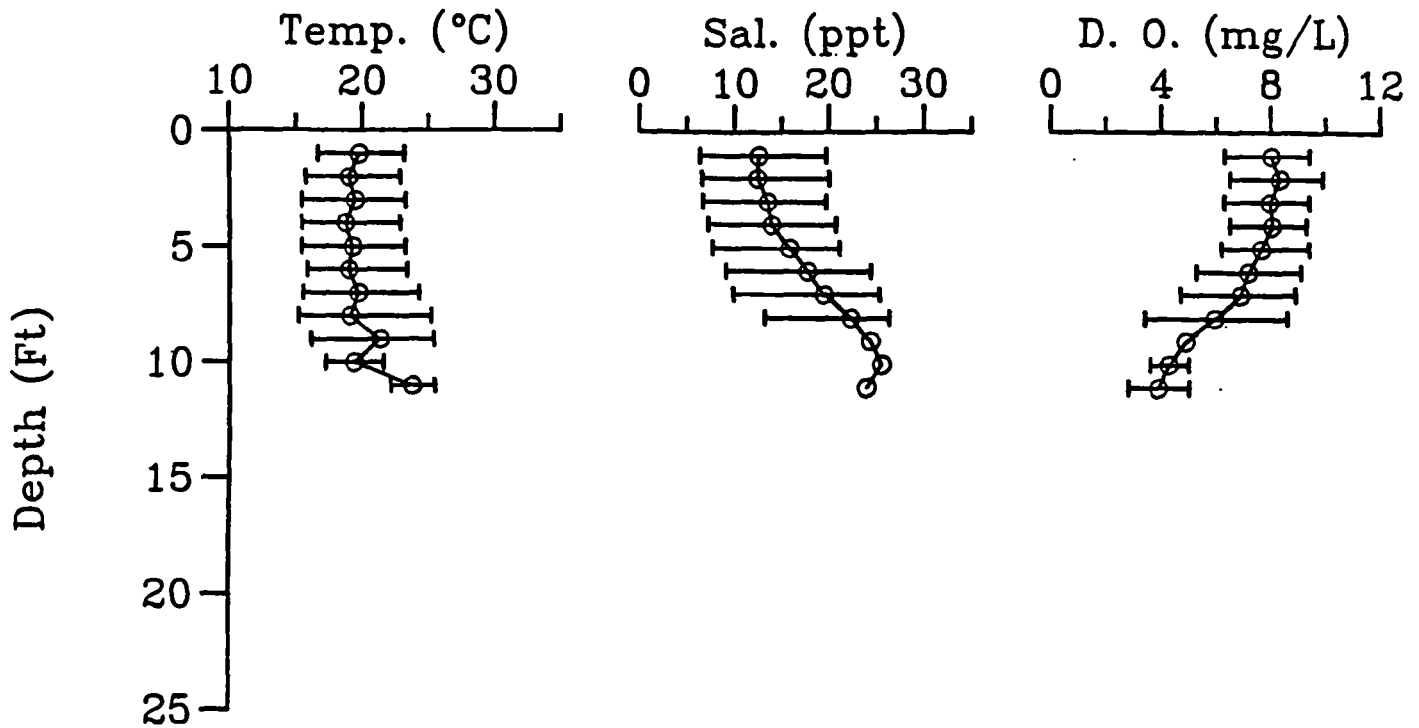
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-15

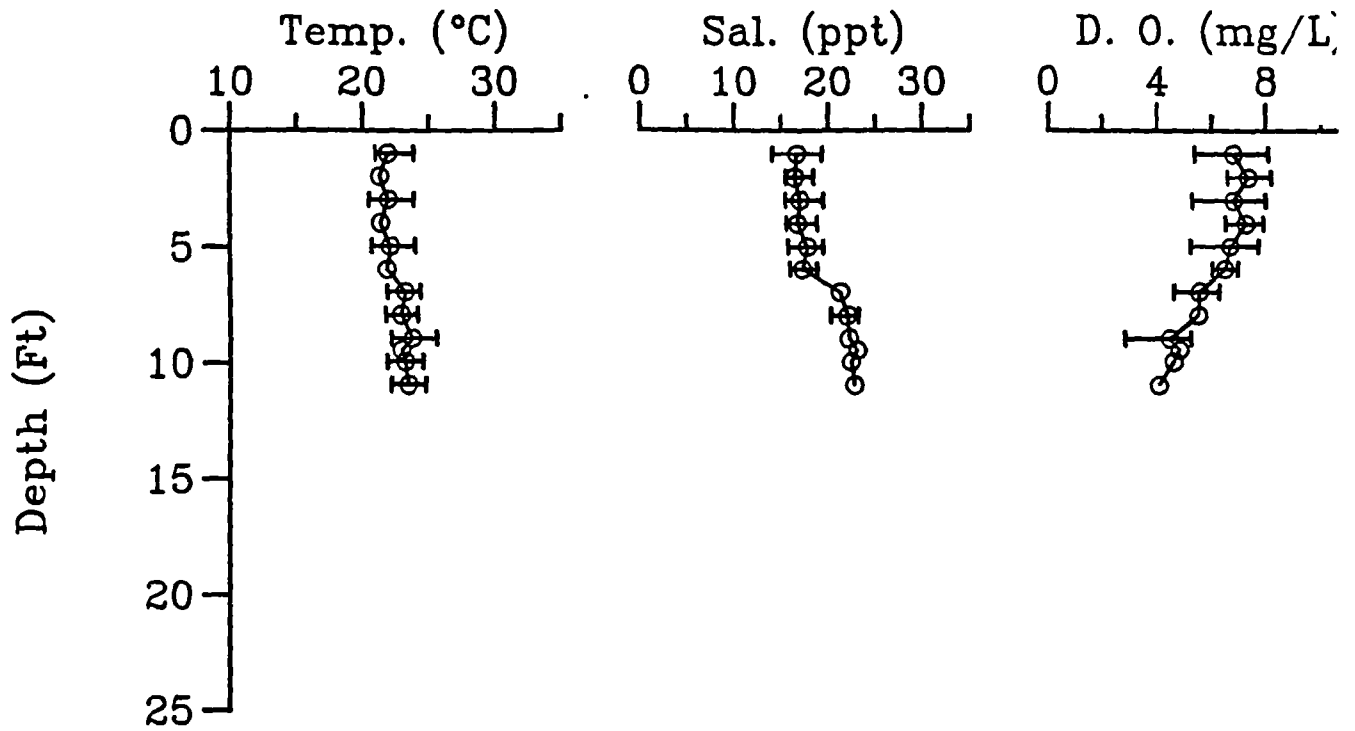
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14.5

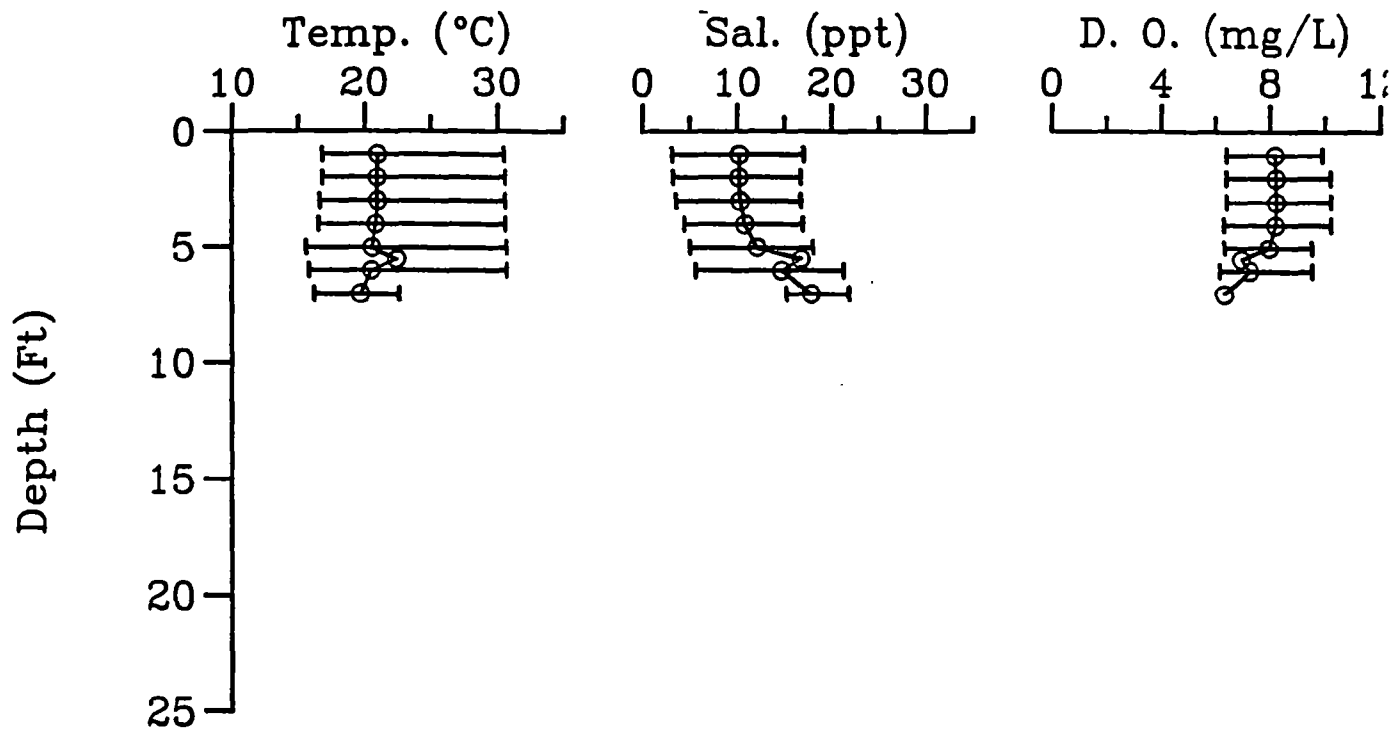
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-14

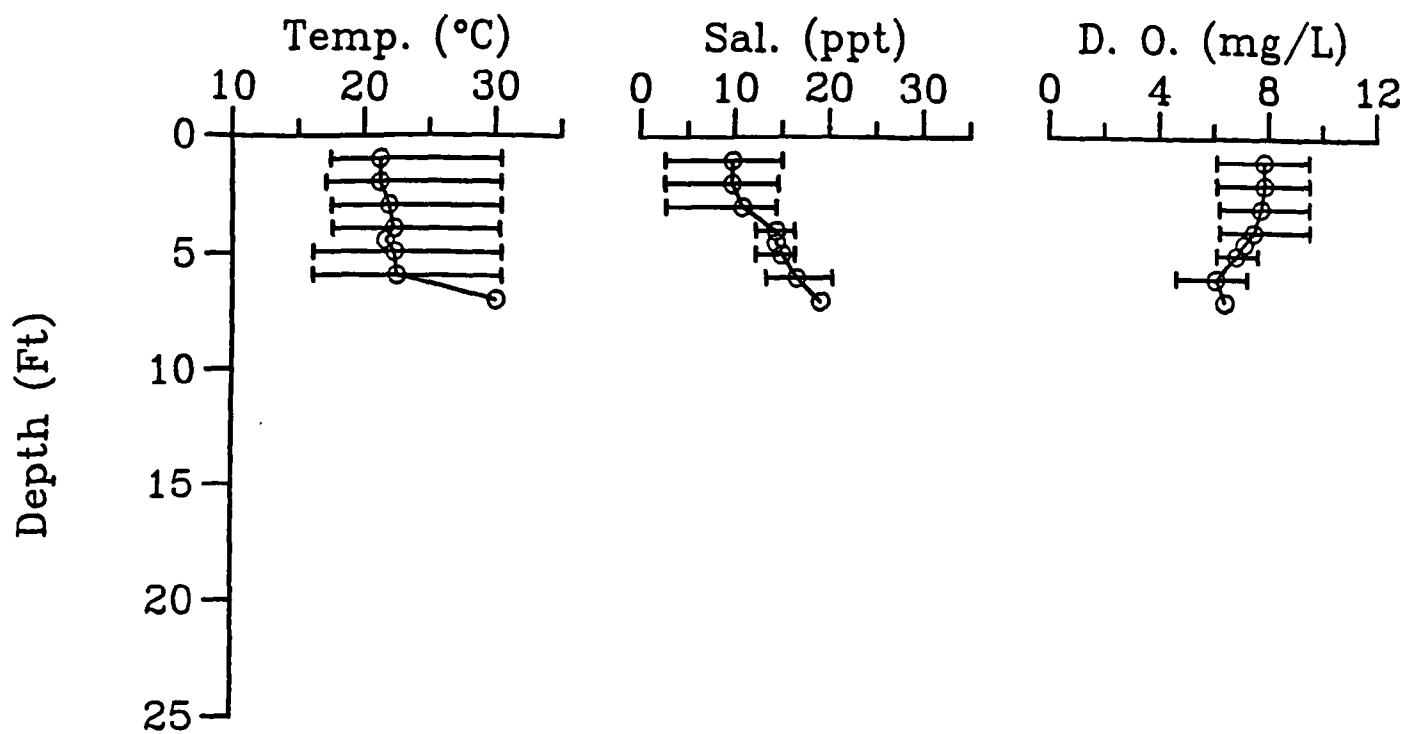
SUMMARY PLOT



PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-13

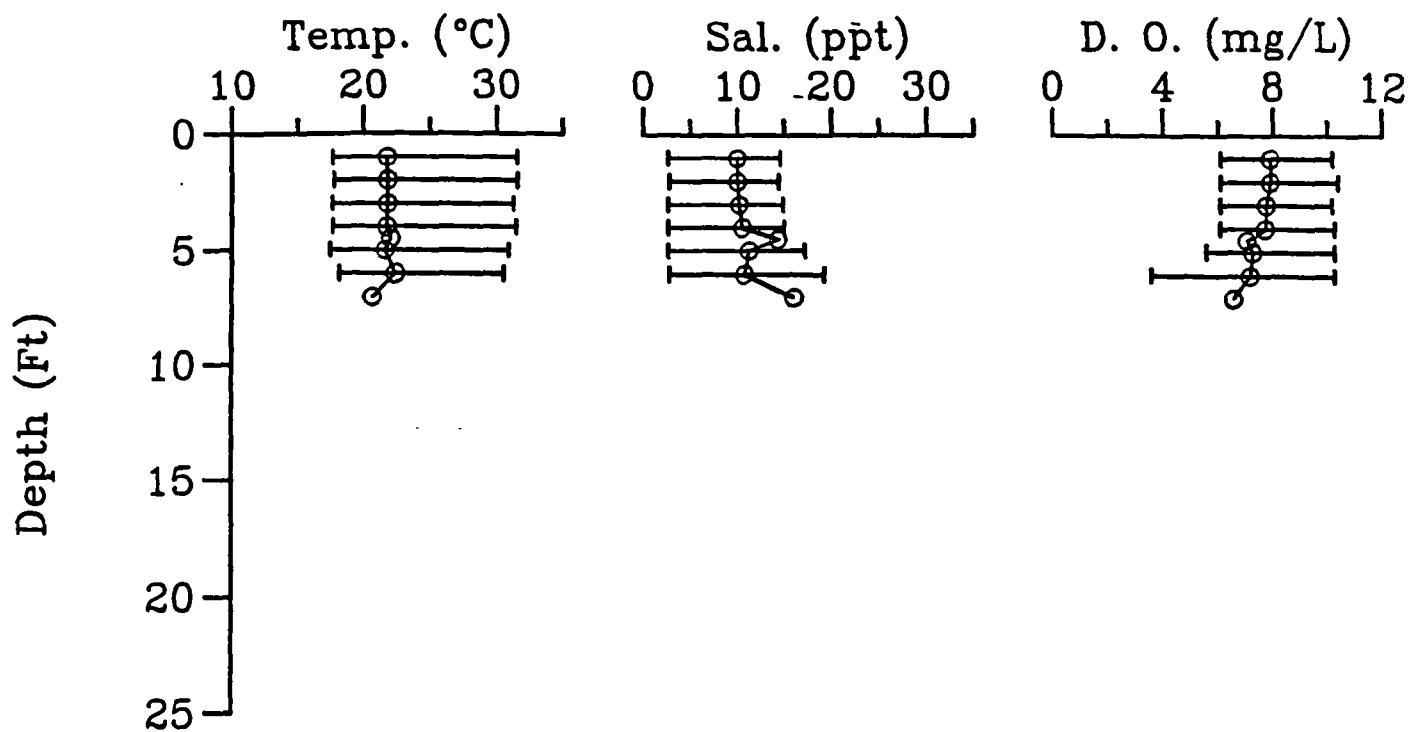
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-12

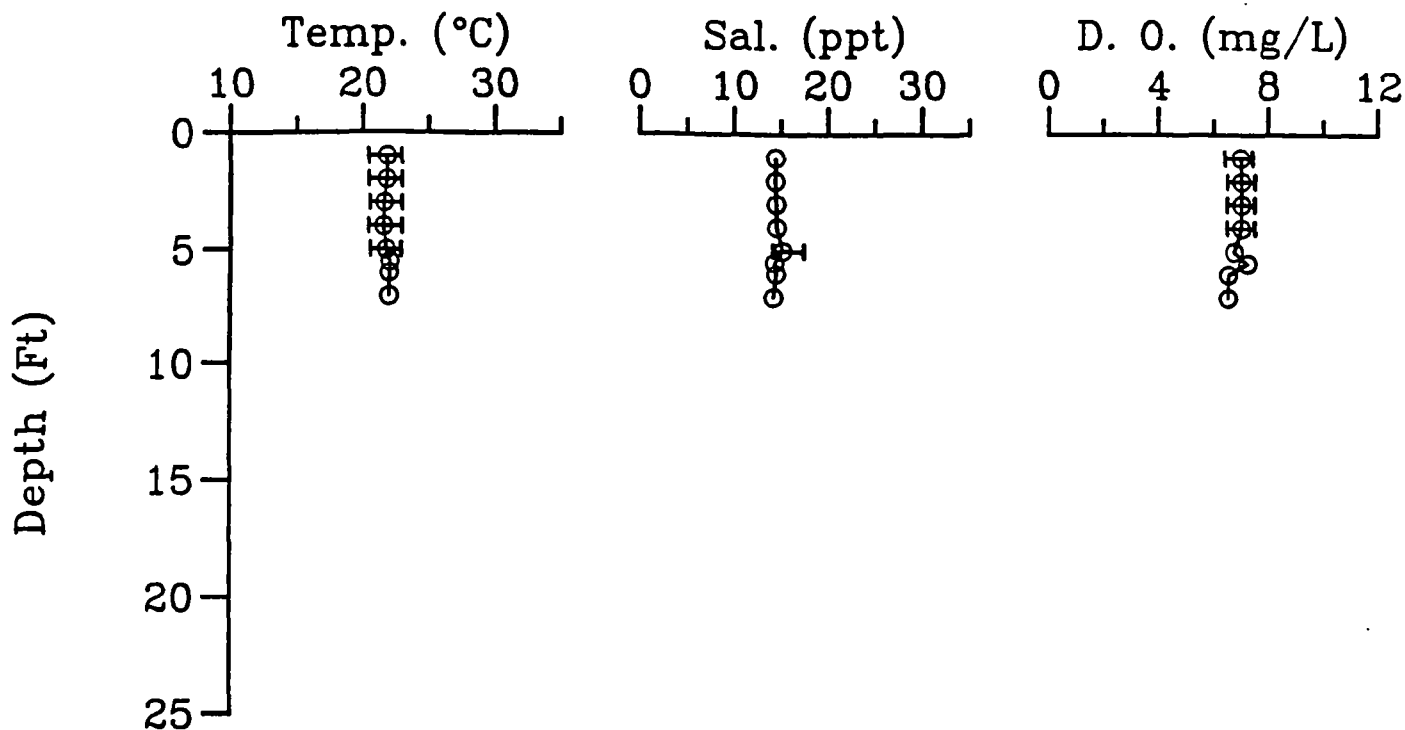
SUMMARY PLOT



PRELIMINARY--SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11.5

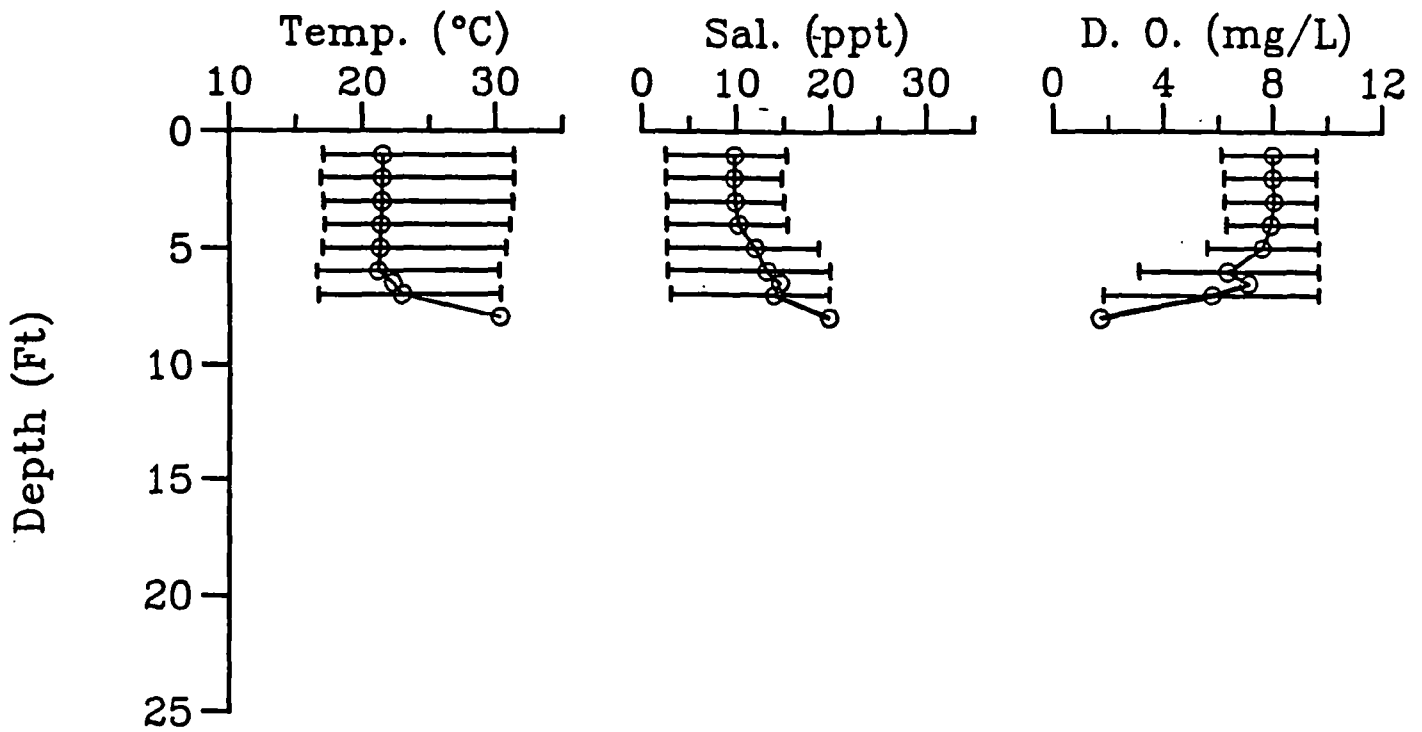
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-11

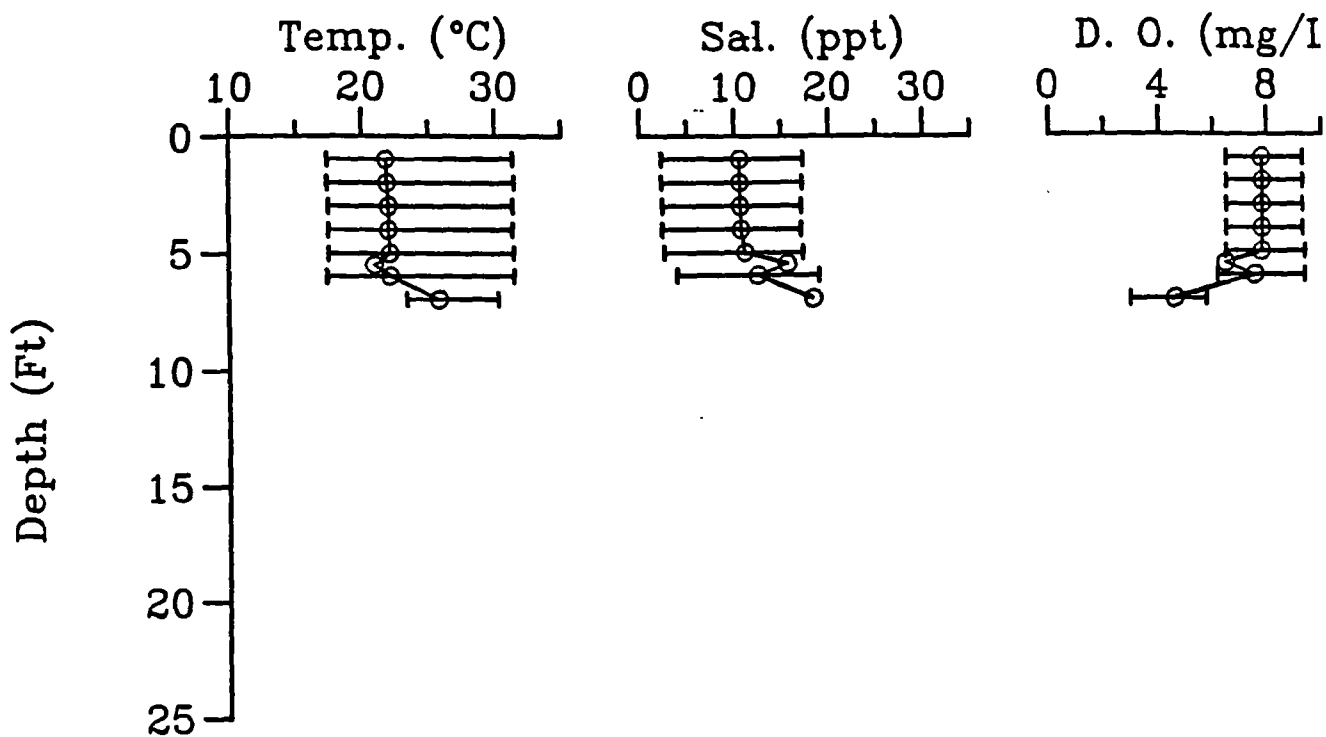
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-10

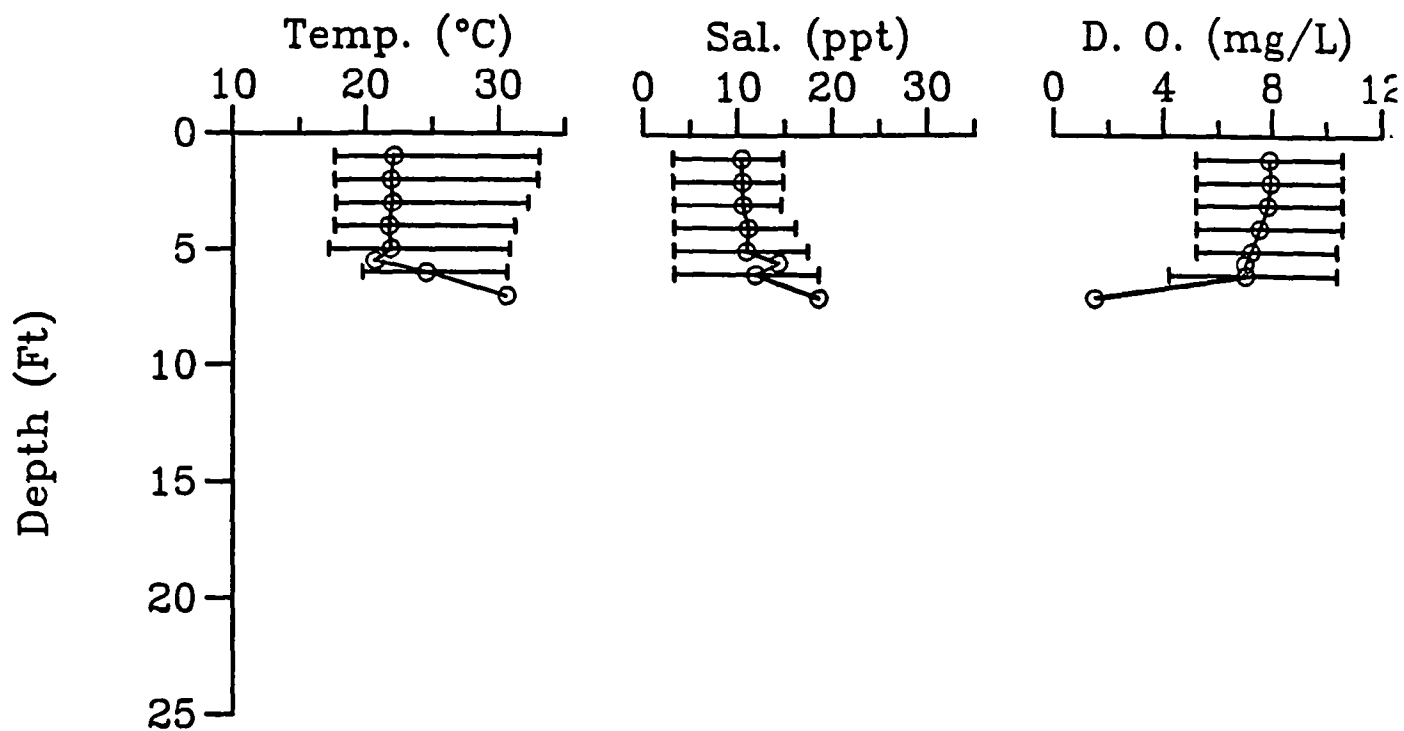
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-9

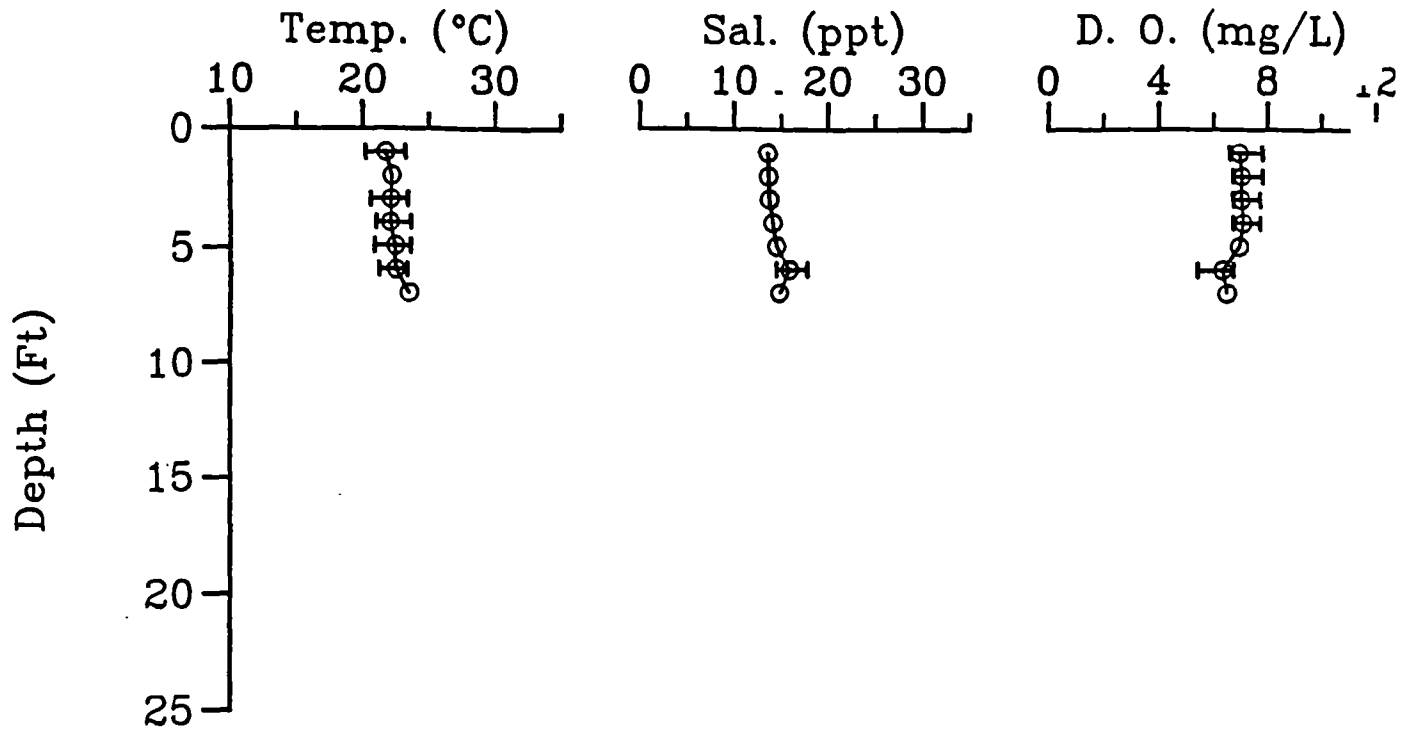
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8.5

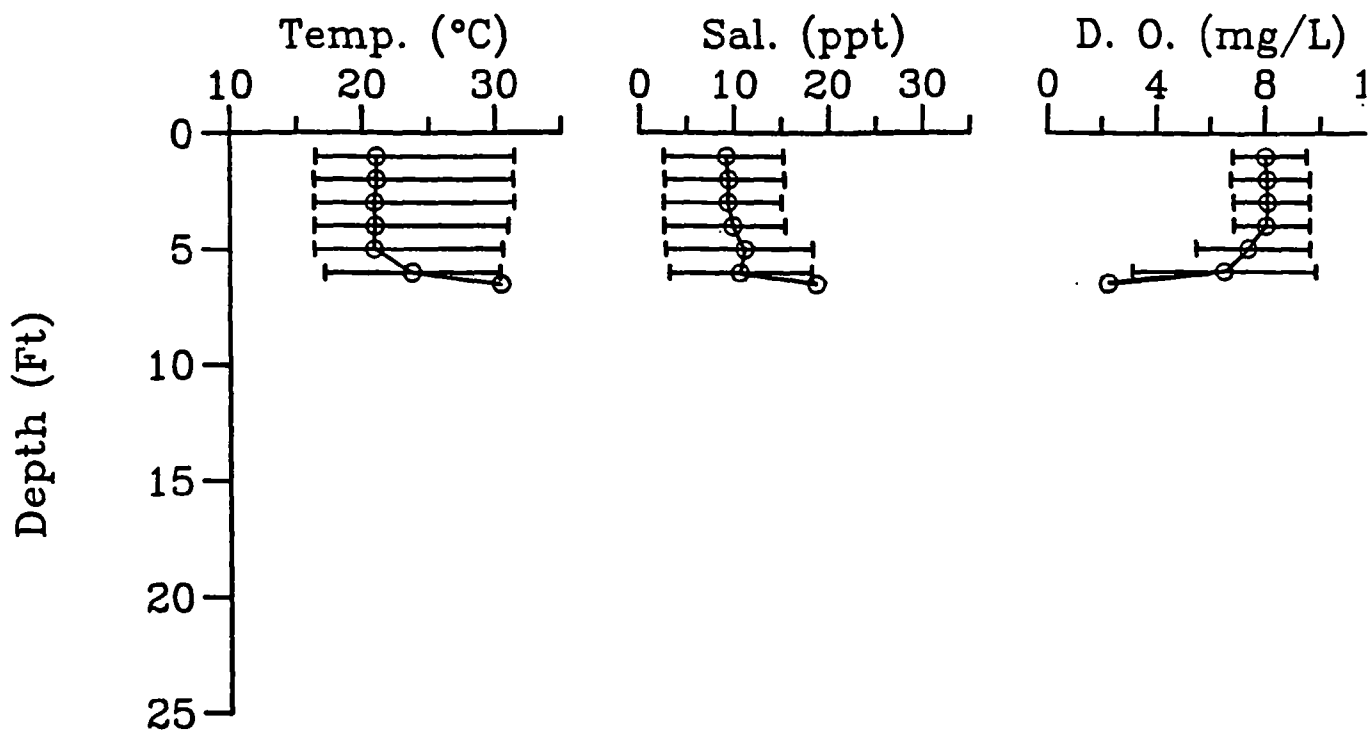
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-8

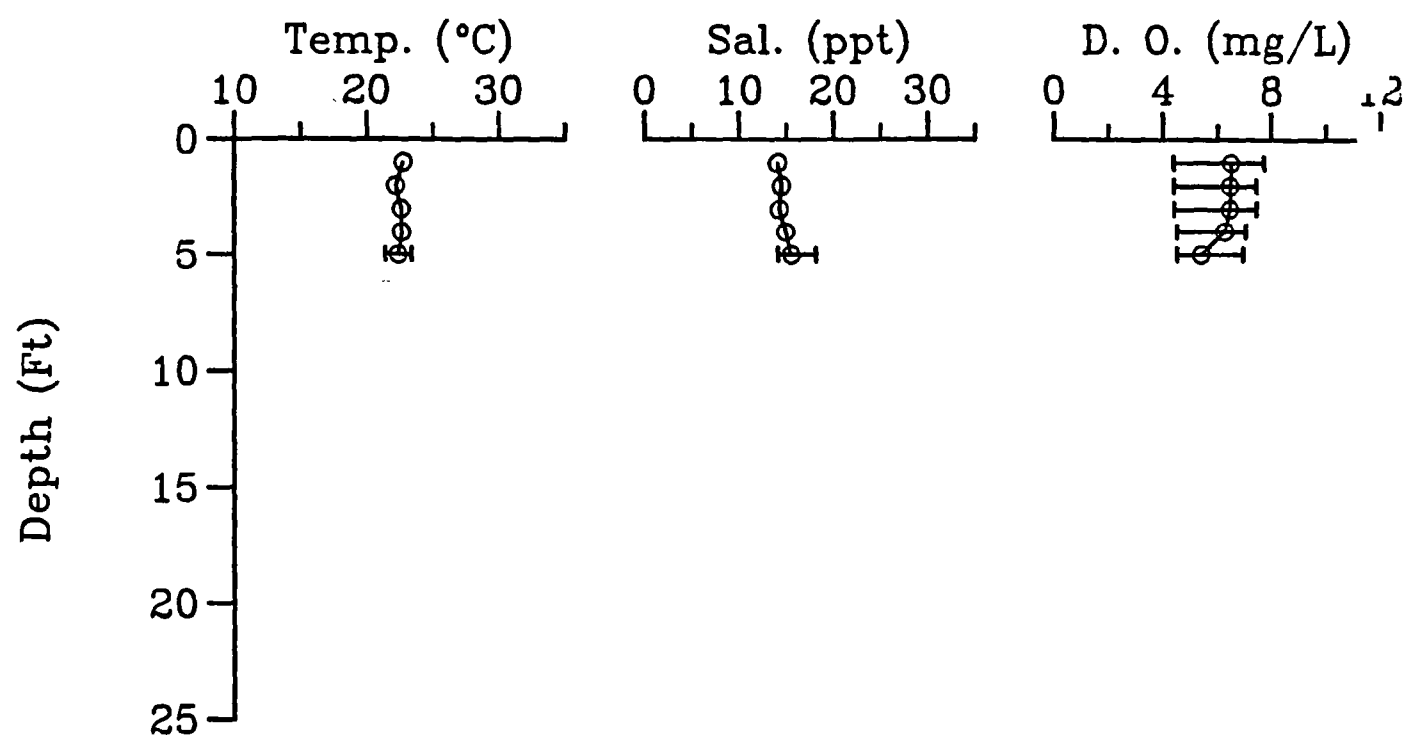
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7.5

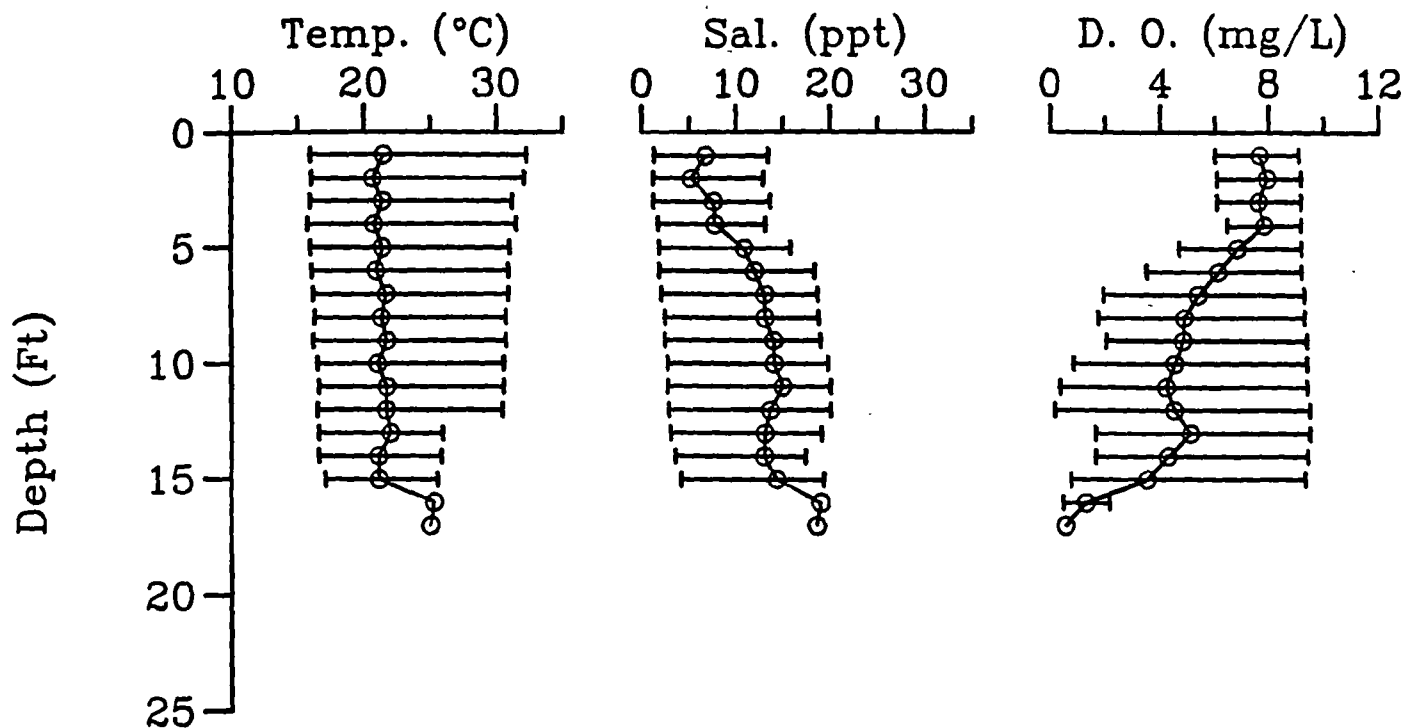
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-7

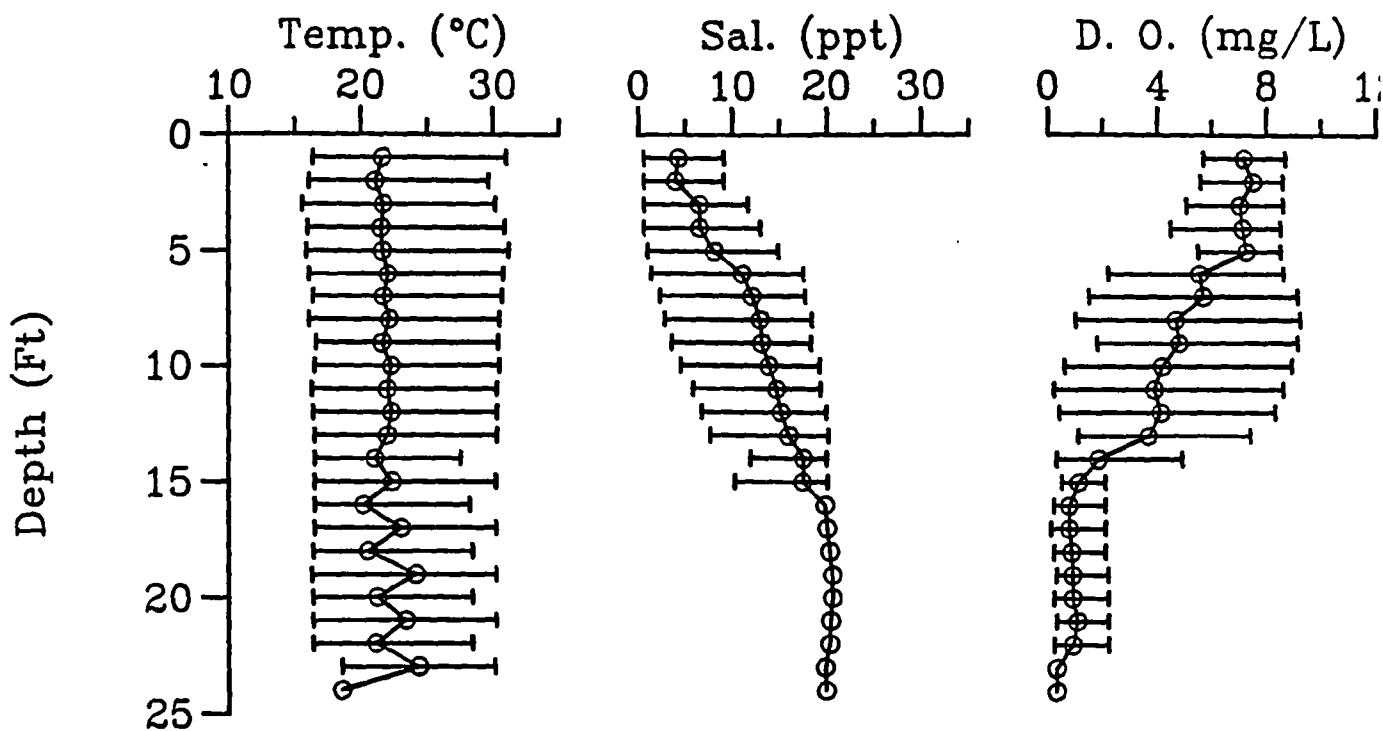
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-6

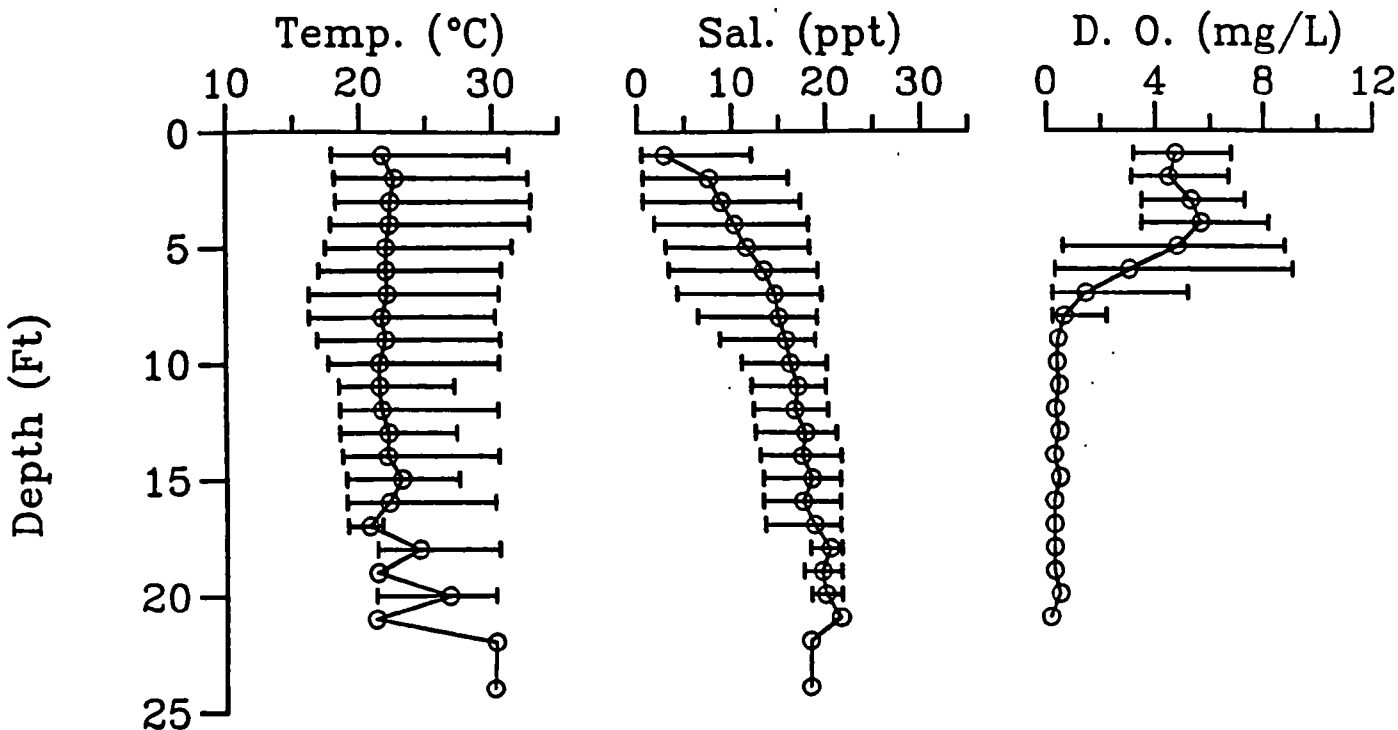
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-4

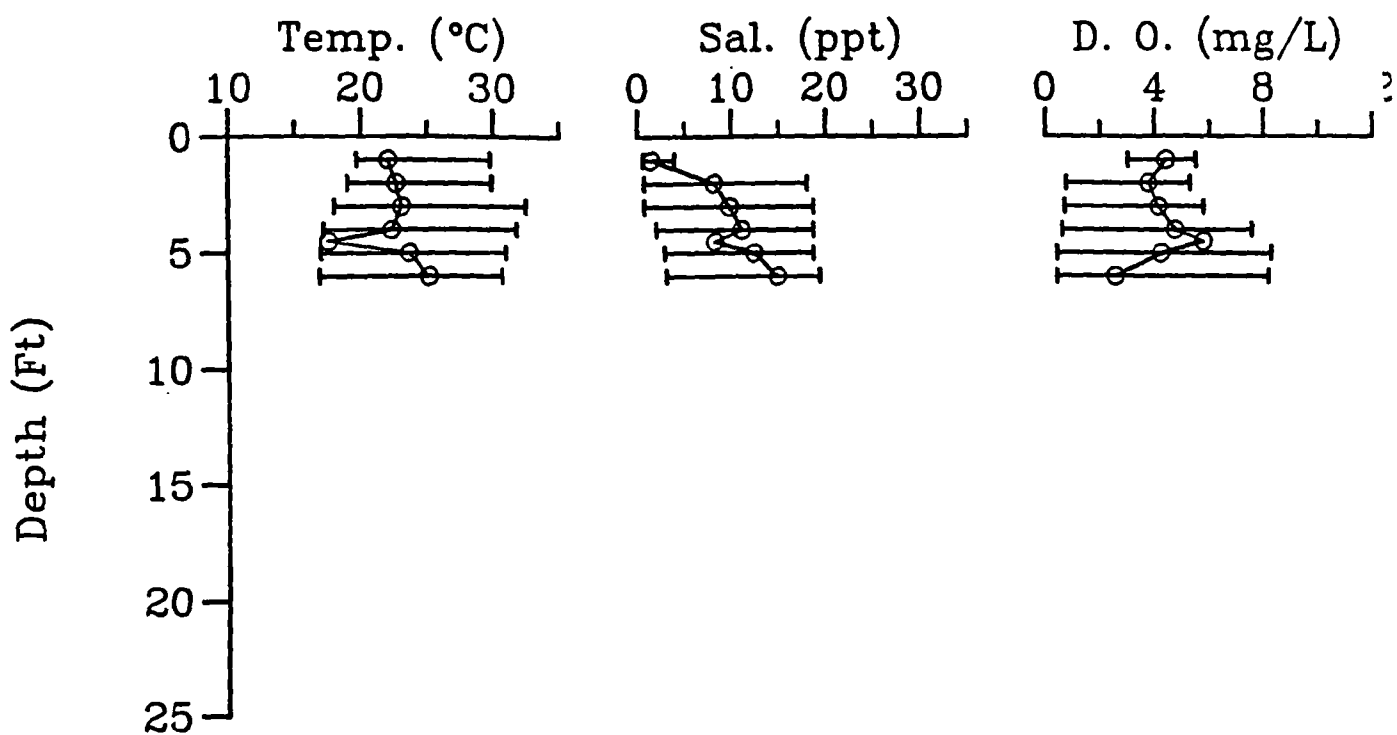
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-3

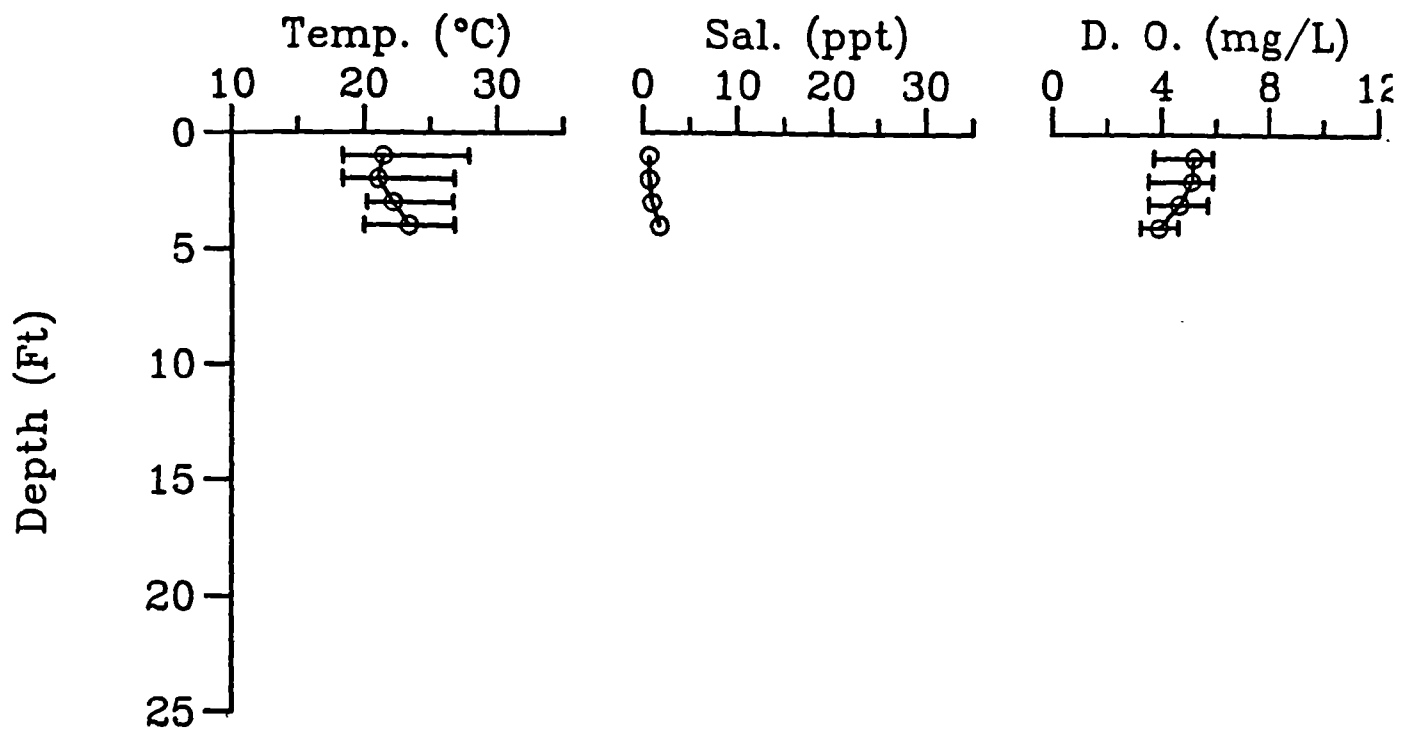
SUMMARY PLOT



PRELIMINARY-SUBJECT
TO REVISION

FIGURE
D S T PROFILES
STATION C-2

SUMMARY PLOT



C-2	12/10/86	1220	1.0	19.70	0.40	5.70
C-2	12/10/86	1220	2.0	19.70	0.40	5.60
C-2	04/09/87	1650	1.0	20.50	0.70	5.80
C-2	04/09/87	1650	2.0	20.30	0.70	5.70
C-2	04/09/87	1650	3.0	20.30	0.70	5.70
C-2	04/10/87	1200	1.0	18.40	0.60	5.90
C-2	04/10/87	1200	2.0	18.40	0.70	5.90
C-2	07/24/87	1210	1.0	27.90	0.60	3.75
C-2	07/24/87	1210	2.0	26.80	0.68	3.55
C-2	07/24/87	1210	3.0	26.70	0.72	3.55
C-2	07/24/87	1210	4.0	26.80	0.72	3.25
C-2	10/03/87	1355	1.0	22.00	0.80	4.80
C-2	10/03/87	1355	2.0	21.30	0.90	4.70
C-2	10/03/87	1355	3.0	21.70	0.80	4.70
C-2	10/04/87	1500	1.0	20.30	1.00	5.30
C-2	10/04/87	1500	2.0	20.00	0.90	5.30
C-2	10/04/87	1500	3.0	20.20	1.70	4.70
C-2	10/04/87	1500	4.0	20.00	2.90	4.60
C-3	12/10/86	1240	1.0	19.70	0.70	5.50
C-3	12/10/86	1240	2.0	19.70	1.10	5.30
C-3	12/10/86	1240	3.0	18.70	5.60	4.60
C-3	12/10/86	1240	4.0	17.40	7.50	5.90
C-3	12/10/86	1240	4.5	17.60	8.30	5.80
C-3	04/09/87	1709	1.0	19.70	0.80	4.90
C-3	04/09/87	1709	2.0	19.00	1.00	4.90
C-3	04/09/87	1709	3.0	18.00	1.20	5.00
C-3	04/09/87	1709	4.0	17.50	2.80	7.60
C-3	04/09/87	1709	5.0	17.60	2.90	8.30
C-3	04/09/87	1709	6.0	16.90	3.10	8.20
C-3	04/10/87	1142	1.0	20.10	0.60	4.60
C-3	04/10/87	1142	2.0	19.70	0.70	4.60
C-3	04/10/87	1142	3.0	19.10	0.70	4.60
C-3	04/10/87	1142	4.0	17.20	2.00	5.00
C-3	04/10/87	1142	5.0	17.00	3.10	7.00
C-3	07/24/87	1050	1.0	29.80	1.30	3.20
C-3	07/24/87	1050	2.0	29.90	6.80	2.90
C-3	07/24/87	1050	3.0	32.50	12.90	5.80
C-3	07/24/87	1050	4.0	31.80	14.50	6.60
C-3	07/24/87	1050	5.0	31.00	15.50	4.20
C-3	07/24/87	1050	6.0	30.70	16.00	2.30
C-3	10/03/87	1420	1.0	23.70	3.90	4.50
C-3	10/03/87	1420	2.0	25.00	16.30	4.00
C-3	10/03/87	1420	3.0	25.20	16.50	3.40
C-3	10/03/87	1420	4.0	25.50	17.60	3.10
C-3	10/03/87	1420	5.0	25.60	18.00	2.70
C-3	10/03/87	1420	6.0	26.00	18.50	0.90
C-3	10/03/87	2200	1.0	21.20	1.60	3.00
C-3	10/03/87	2200	2.0	25.20	18.00	0.75
C-3	10/03/87	2200	3.0	25.70	18.70	0.70
C-3	10/03/87	2200	4.0	25.70	18.70	0.60
C-3	10/03/87	2200	5.0	26.20	18.70	0.40
C-3	10/03/87	2200	6.0	26.20	19.40	0.40
C-3	10/04/87	2330	1.0	20.50	1.50	5.20
C-3	10/04/87	2330	2.0	20.20	13.50	4.00
C-3	10/04/87	2330	3.0	22.50	13.50	5.00

PRELIMINARY-SUBJECT
TO REVISION

C-3	10/04/87	2330	4.0	21.40	15.00	4.60
C-3	10/04/87	2330	5.0	24.70	16.50	3.00
C-3	10/04/87	2330	6.0	26.00	17.70	1.00
C-4	12/09/86	1515	1.0	19.00	0.50	6.80
C-4	12/09/86	1515	2.0	19.00	0.60	6.70
C-4	12/09/86	1515	3.0	18.50	0.60	6.60
C-4	12/09/86	1515	4.0	17.90	1.80	6.10
C-4	12/09/86	1515	5.0	17.70	12.80	0.60
C-4	12/09/86	1515	6.0	17.50	15.90	0.50
C-4	12/09/86	1515	7.0	17.60	17.10	0.45
C-4	12/09/86	1515	8.0	17.90	17.70	0.45
C-4	12/09/86	1515	9.0	17.90	17.70	0.40
C-4	12/09/86	1515	10.0	18.10	18.00	0.40
C-4	12/09/86	1515	11.0	19.40	19.40	0.40
C-4	12/09/86	1515	12.0	20.40	20.10	0.40
C-4	12/09/86	1515	13.0	21.00	20.80	0.40
C-4	12/09/86	1515	14.0	21.40	21.10	0.40
C-4	12/09/86	1515	15.0	21.40	21.20	0.40
C-4	12/09/86	1515	16.0	21.50	21.30	0.40
C-4	12/09/86	1515	17.0	21.70	21.30	0.40
C-4	12/09/86	1515	18.0	21.70	21.30	0.40
C-4	12/09/86	1515	19.0	21.70	17.50	0.40
C-4	12/10/86	1245	1.0	19.70	0.80	5.30
C-4	12/10/86	1245	2.0	19.80	0.80	5.30
C-4	12/10/86	1245	3.0	18.30	6.30	5.10
C-4	12/10/86	1245	4.0	17.80	7.90	5.60
C-4	12/10/86	1245	5.0	17.40	8.20	5.50
C-4	12/10/86	1245	6.0	17.40	14.50	0.30
C-4	12/10/86	1245	7.0	17.50	17.30	0.20
C-4	12/10/86	1245	8.0	17.50	17.30	0.20
C-4	12/10/86	1245	9.0	17.50	17.70	0.20
C-4	12/10/86	1245	10.0	17.60	18.20	0.20
C-4	12/10/86	1245	11.0	19.00	19.10	0.20
C-4	12/10/86	1245	12.0	20.50	19.80	0.20
C-4	12/10/86	1245	13.0	20.50	21.00	0.20
C-4	12/10/86	1245	14.0	21.00	21.50	0.10
C-4	12/10/86	1245	15.0	20.90	21.40	0.10
C-4	12/10/86	1245	16.0	21.40	21.40	0.10
C-4	12/10/86	1245	17.0	21.40	21.40	0.10
C-4	12/10/86	1245	18.0	21.30	21.50	0.10
C-4	12/10/86	1245	19.0	21.00	21.50	0.10
C-4	12/10/86	1245	20.0	21.20	21.50	0.10
C-4	12/10/86	1245	21.0	21.20	21.40	0.10
C-4	04/09/87	1720	1.0	17.90	0.80	5.00
C-4	04/09/87	1720	2.0	18.10	1.10	5.10
C-4	04/09/87	1720	3.0	18.20	2.10	7.00
C-4	04/09/87	1720	4.0	18.60	2.90	8.20
C-4	04/09/87	1720	5.0	18.10	3.00	8.80
C-4	04/09/87	1720	6.0	17.60	3.30	9.10
C-4	04/09/87	1720	7.0	16.20	4.20	5.20
C-4	04/09/87	1720	8.0	16.20	6.40	2.20
C-4	04/09/87	1720	9.0	16.80	8.70	0.50
C-4	04/09/87	1720	10.0	17.80	11.00	0.00
C-4	04/09/87	1720	11.0	18.40	12.00	0.00
C-4	04/09/87	1720	12.0	18.50	12.20	0.00

PRELIMINARY-SUBJECT
TO REVISION

C-4	04/09/87	1720	13.0	18.50	12.40	0.00
C-4	04/09/87	1720	14.0	19.00	12.90	0.00
C-4	04/09/87	1720	15.0	19.00	13.20	0.00
C-4	04/09/87	1720	16.0	19.10	13.20	0.00
C-4	04/10/87	1125	1.0	19.40	0.90	4.70
C-4	04/10/87	1125	2.0	19.40	0.80	4.60
C-4	04/10/87	1125	3.0	19.50	1.20	4.60
C-4	04/10/87	1125	4.0	18.10	2.00	5.40
C-4	04/10/87	1125	5.0	17.50	3.10	7.20
C-4	04/10/87	1125	6.0	16.90	3.50	7.20
C-4	04/10/87	1125	7.0	16.50	5.50	2.10
C-4	04/10/87	1125	8.0	16.40	8.40	0.20
C-4	04/10/87	1125	9.0	17.20	10.80	0.20
C-4	04/10/87	1125	10.0	18.30	11.60	0.20
C-4	04/10/87	1125	11.0	18.60	12.50	0.00
C-4	04/10/87	1125	12.0	18.60	12.80	0.00
C-4	04/10/87	1125	13.0	18.70	13.20	0.00
C-4	04/10/87	1125	14.0	18.70	13.20	0.00
C-4	04/10/87	1125	15.0	19.00	13.30	0.00
C-4	04/10/87	1125	16.0	19.00	13.20	0.00
C-4	04/10/87	1125	17.0	19.10	13.40	0.00
C-4	07/24/87	1300	1.0	31.30	2.90	3.20
C-4	07/24/87	1300	2.0	32.70	10.60	3.70
C-4	07/24/87	1300	3.0	32.90	12.80	7.30
C-4	07/24/87	1300	4.0	32.80	13.60	7.45
C-4	07/24/87	1300	5.0	31.50	15.00	6.50
C-4	07/24/87	1300	6.0	30.70	15.70	2.15
C-4	07/24/87	1300	7.0	30.50	16.80	1.00
C-4	07/24/87	1300	8.0	30.20	17.20	0.20
C-4	07/24/87	1300	9.0	30.60	17.80	0.00
C-4	07/24/87	1300	10.0	30.50	18.20	0.00
C-4	07/24/87	1300	12.0	30.40	18.20	0.00
C-4	07/24/87	1300	14.0	30.50	18.20	0.00
C-4	07/24/87	1300	16.0	30.20	18.20	0.00
C-4	07/24/87	1300	18.0	30.50	18.20	0.00
C-4	07/24/87	1300	20.0	30.20	18.30	0.00
C-4	07/24/87	1300	22.0	30.20	18.20	0.00
C-4	07/24/87	1300	24.0	30.10	18.20	0.00
C-4	10/03/87	1450	1.0	24.90	12.10	3.70
C-4	10/03/87	1450	2.0	25.10	16.00	3.10
C-4	10/03/87	1450	3.0	25.40	17.20	3.50
C-4	10/03/87	1450	4.0	25.60	18.10	3.50
C-4	10/03/87	1450	5.0	25.40	18.20	3.00
C-4	10/03/87	1450	6.0	26.60	19.10	1.10
C-4	10/03/87	1450	7.0	26.80	19.50	0.90
C-4	10/03/87	1450	8.0	27.20	18.70	0.60
C-4	10/03/87	2220	1.0	21.10	5.00	4.40
C-4	10/03/87	2220	2.0	24.50	15.70	3.40
C-4	10/03/87	2220	3.0	24.20	17.30	4.20
C-4	10/03/87	2220	4.0	24.20	15.80	4.50
C-4	10/03/87	2220	5.0	24.40	16.90	3.50
C-4	10/03/87	2220	7.0	26.10	18.30	0.80
C-4	10/03/87	2220	9.0	26.50	18.80	0.50
C-4	10/03/87	2220	11.0	26.50	19.90	0.50
C-4	10/03/87	2220	13.0	27.30	20.00	0.50

PRELIMINARY--SUBJECT
TO REVISION

C-4	10/03/87	2220	15.0	27.00	20.00	0.50
C-4	10/03/87	2220	20.0	27.40	20.00	0.50
C-4	10/04/87	1600	1.0	22.30	2.00	4.40
C-4	10/04/87	1600	2.0	22.60	9.70	3.40
C-4	10/04/87	1600	3.0	21.80	13.70	4.20
C-4	10/04/87	1600	4.0	23.20	15.20	5.40
C-4	10/04/87	1600	5.0	24.20	15.50	3.50
C-4	10/04/87	1600	6.0	24.80	16.60	2.80
C-4	10/04/87	1600	7.0	25.80	17.90	0.90
C-4	10/04/87	1600	8.0	26.40	19.00	0.70
C-4	10/04/87	1600	9.0	27.40	18.60	0.70
C-4	10/04/87	1600	11.0	27.10	18.90	0.70
C-4	10/04/87	1600	13.0	27.20	19.10	0.70
C-4	10/04/87	1600	15.0	27.40	19.50	0.70
C-4	10/04/87	1600	20.0	27.40	19.00	0.60
C-4	10/04/87	2320	1.0	20.30	1.40	5.20
C-4	10/04/87	2320	2.0	22.80	13.30	5.20
C-4	10/04/87	2320	4.0	22.60	15.40	5.00
C-4	10/04/87	2320	6.0	24.70	18.10	1.30
C-4	10/04/87	2320	10.0	26.70	20.00	0.70
C-4	10/04/87	2320	15.0	27.50	20.50	0.60
C-4	10/04/87	2320	20.0	27.50	20.50	0.60
C-6	12/10/86	1325	1.0	16.40	1.80	7.00
C-6	12/10/86	1325	2.0	16.10	1.80	7.00
C-6	12/10/86	1325	3.0	15.60	1.80	7.00
C-6	12/10/86	1325	4.0	16.00	2.10	6.80
C-6	12/10/86	1325	5.0	15.90	2.10	6.60
C-6	12/10/86	1325	6.0	16.10	12.50	3.10
C-6	12/10/86	1325	7.0	16.40	17.70	1.50
C-6	12/10/86	1325	8.0	16.10	17.90	1.80
C-6	12/10/86	1325	9.0	16.60	18.30	1.80
C-6	12/10/86	1325	10.0	16.50	19.20	2.20
C-6	12/10/86	1325	11.0	16.30	19.30	2.20
C-6	12/10/86	1325	12.0	16.60	19.90	2.10
C-6	12/10/86	1325	13.0	16.50	20.10	2.10
C-6	12/10/86	1325	14.0	16.50	19.90	2.10
C-6	12/10/86	1325	15.0	16.50	19.90	2.10
C-6	12/10/86	1325	16.0	16.50	20.00	2.10
C-6	12/10/86	1325	17.0	16.50	19.90	2.10
C-6	12/10/86	1325	18.0	16.40	20.00	2.10
C-6	12/10/86	1325	19.0	16.30	20.00	2.20
C-6	12/10/86	1325	20.0	16.40	20.00	2.20
C-6	12/10/86	1325	21.0	16.40	20.00	2.20
C-6	12/10/86	1325	22.0	16.40	20.00	2.20
C-6	04/09/87	1800	1.0	17.40	0.80	8.70
C-6	04/09/87	1800	2.0	17.30	0.90	8.60
C-6	04/09/87	1800	3.0	17.30	0.90	8.60
C-6	04/09/87	1800	4.0	17.20	0.90	8.50
C-6	04/09/87	1800	5.0	17.20	1.40	8.50
C-6	04/09/87	1800	6.0	17.20	1.40	8.60
C-6	04/09/87	1800	7.0	16.90	3.10	9.10
C-6	04/09/87	1800	8.0	17.00	3.50	9.20
C-6	04/09/87	1800	9.0	16.80	3.90	9.10
C-6	04/09/87	1800	10.0	16.70	4.50	8.90
C-6	04/09/87	1800	11.0	16.40	6.10	8.60

PRELIMINARY-SUBJECT
TO REVISION

C-6	04/09/87	1800	12.0	16.40	6.90	8.30
C-6	04/09/87	1800	13.0	16.50	7.60	7.40
C-6	04/09/87	1800	14.0	16.70	11.90	4.90
C-6	04/09/87	1800	15.0	17.20	15.50	1.50
C-6	04/09/87	1800	16.0	18.10	19.20	0.40
C-6	04/09/87	1800	17.0	18.60	19.70	0.10
C-6	04/09/87	1800	18.0	19.00	19.60	0.00
C-6	04/10/87	1045	1.0	16.40	0.60	8.60
C-6	04/10/87	1045	2.0	16.40	0.60	8.60
C-6	04/10/87	1045	3.0	16.20	0.60	8.50
C-6	04/10/87	1045	4.0	16.10	0.60	8.50
C-6	04/10/87	1045	5.0	16.10	1.00	8.50
C-6	04/10/87	1045	6.0	16.20	1.70	8.50
C-6	04/10/87	1045	7.0	16.60	2.30	8.70
C-6	04/10/87	1045	8.0	16.70	2.80	8.70
C-6	04/10/87	1045	9.0	16.70	3.50	8.90
C-6	04/10/87	1045	10.0	16.50	4.70	8.70
C-6	04/10/87	1045	11.0	16.50	5.80	8.40
C-6	04/10/87	1045	12.0	16.50	6.70	8.10
C-6	04/10/87	1045	13.0	16.50	11.30	6.20
C-6	04/10/87	1045	14.0	17.30	17.00	1.30
C-6	04/10/87	1045	15.0	17.30	10.20	0.50
C-6	04/10/87	1045	16.0	17.90	19.20	0.40
C-6	04/10/87	1045	17.0	18.00	19.30	0.30
C-6	04/10/87	1045	18.0	18.30	19.70	0.30
C-6	04/10/87	1045	19.0	18.70	19.70	0.30
C-6	04/10/87	1045	20.0	18.90	19.60	0.30
C-6	04/10/87	1045	21.0	18.70	19.70	0.30
C-6	04/10/87	1045	22.0	18.60	19.90	0.30
C-6	04/10/87	1045	23.0	18.60	19.90	0.30
C-6	04/10/87	1045	24.0	18.60	19.90	0.30
C-6	07/24/87	1415	1.0	31.00	2.60	6.95
C-6	07/24/87	1415	2.0	29.70	2.60	7.60
C-6	07/24/87	1415	3.0	30.20	7.10	6.75
C-6	07/24/87	1415	4.0	30.90	10.30	7.05
C-6	07/24/87	1415	5.0	31.20	14.90	8.45
C-6	07/24/87	1415	6.0	30.80	16.90	5.65
C-6	07/24/87	1415	7.0	30.70	17.30	4.05
C-6	07/24/87	1415	8.0	30.50	17.80	3.00
C-6	07/24/87	1415	9.0	30.40	18.10	2.30
C-6	07/24/87	1415	10.0	30.50	19.00	1.10
C-6	07/24/87	1415	11.0	30.30	19.20	0.20
C-6	07/24/87	1415	12.0	30.30	19.40	0.00
C-6	07/24/87	1415	13.0	30.30	19.40	0.00
C-6	07/24/87	1415	15.0	30.20	19.40	0.00
C-6	07/24/87	1415	17.0	30.20	19.50	0.00
C-6	07/24/87	1415	19.0	30.20	19.60	0.00
C-6	07/24/87	1415	21.0	30.20	19.50	0.00
C-6	07/24/87	1415	23.0	30.10	19.70	0.00
C-6	10/03/87	1310	1.0	24.60	9.10	5.70
C-6	10/03/87	1310	2.0	24.50	9.10	5.60
C-6	10/03/87	1310	3.0	24.80	10.40	5.10
C-6	10/03/87	1310	4.0	25.60	12.40	4.50
C-6	10/03/87	1310	6.0	26.90	17.50	2.20
C-6	10/03/87	1310	8.0	26.80	18.40	1.00

PRELIMINARY-SUBJECT
TO REVISION

C-6	10/03/87	1310	10.0	27.00	18.70	0.60
C-6	10/03/87	1310	12.0	27.40	19.10	0.40
C-6	10/03/87	1310	14.0	27.50	19.10	0.30
C-6	10/03/87	1310	16.0	28.20	20.80	0.20
C-6	10/03/87	1310	18.0	28.40	21.80	0.20
C-6	10/03/87	1310	20.0	28.40	22.10	0.20
C-6	10/03/87	1310	22.0	28.40	20.90	0.20
C-6	10/03/87	2023	1.0	23.50	8.90	6.10
C-6	10/03/87	2023	3.0	24.00	9.80	6.00
C-6	10/03/87	2023	5.0	25.50	14.70	5.50
C-6	10/03/87	2023	7.0	25.70	17.40	4.80
C-6	10/03/87	2023	9.0	23.50	17.20	4.00
C-6	10/03/87	2023	11.0	25.50	18.90	2.50
C-6	10/03/87	2023	13.0	24.70	18.30	1.60
C-6	10/03/87	2023	15.0	25.50	20.00	0.50
C-6	10/03/87	2023	17.0	27.00	20.30	0.50
C-6	10/03/87	2023	19.0	27.40	21.60	0.30
C-6	10/04/87	1250	1.0	21.80	5.80	6.80
C-6	10/04/87	1250	3.0	21.80	9.90	6.90
C-6	10/04/87	1250	5.0	23.80	14.60	6.00
C-6	10/04/87	1250	7.0	23.80	15.00	6.00
C-6	10/04/87	1250	9.0	25.50	17.80	2.80
C-6	10/04/87	1250	11.0	26.90	19.00	1.50
C-6	10/04/87	1250	13.0	27.30	19.20	1.10
C-6	10/04/87	1250	15.0	27.30	19.60	1.00
C-6	10/04/87	1250	17.0	27.80	21.30	0.90
C-6	10/04/87	1250	19.0	28.00	21.90	0.80
C-6	10/04/87	1250	21.0	28.20	22.20	0.70
C-6	10/04/87	2215	1.0	22.00	4.90	7.70
C-6	10/04/87	2215	2.0	22.50	9.10	7.80
C-6	10/04/87	2215	3.0	23.70	11.70	7.40
C-6	10/04/87	2215	4.0	23.30	13.00	7.40
C-6	10/04/87	2215	6.0	25.10	16.40	5.30
C-6	10/04/87	2215	8.0	25.90	17.50	4.40
C-6	10/04/87	2215	10.0	26.50	17.30	3.60
C-6	10/04/87	2215	12.0	26.60	19.00	1.80
C-6	10/04/87	2215	14.0	27.20	19.70	0.70
C-7	12/09/86	1345	1.0	16.40	1.50	8.60
C-7	12/09/86	1345	2.0	16.20	1.50	8.70
C-7	12/09/86	1345	3.0	16.00	1.70	8.60
C-7	12/09/86	1345	4.0	15.80	4.30	7.90
C-7	12/09/86	1345	5.0	16.00	15.80	4.70
C-7	12/09/86	1345	6.0	16.60	18.30	3.70
C-7	12/09/86	1345	7.0	17.20	18.60	1.90
C-7	12/09/86	1345	8.0	17.10	18.70	1.70
C-7	12/09/86	1345	9.0	16.90	18.90	2.60
C-7	12/09/86	1345	10.0	16.60	19.70	3.10
C-7	12/09/86	1345	11.0	16.60	20.00	3.20
C-7	12/10/86	1347	1.0	16.00	1.50	7.30
C-7	12/10/86	1347	2.0	16.10	1.90	7.10
C-7	12/10/86	1347	3.0	16.30	2.20	6.90
C-7	12/10/86	1347	4.0	17.20	8.30	7.10
C-7	12/10/86	1347	5.0	16.70	9.50	5.40
C-7	12/10/86	1347	6.0	16.10	15.20	3.50
C-7	12/10/86	1347	7.0	16.20	17.00	2.40

PRELIMINARY--SUBJECT
TO REVISION

C-7	12/10/86	1347	8.0	16.30	17.70	2.20
C-7	12/10/86	1347	9.0	16.20	18.10	2.00
C-7	12/10/86	1347	10.0	16.50	19.10	1.30
C-7	12/10/86	1347	11.0	16.70	19.50	1.20
C-7	12/10/86	1347	12.0	16.50	20.00	1.60
C-7	04/09/87	1745	1.0	17.90	2.30	9.10
C-7	04/09/87	1745	2.0	18.00	2.30	9.20
C-7	04/09/87	1745	3.0	18.10	2.30	9.20
C-7	04/09/87	1745	4.0	17.90	2.30	9.20
C-7	04/09/87	1745	5.0	18.10	2.30	9.20
C-7	04/09/87	1745	6.0	18.10	2.30	9.20
C-7	04/09/87	1745	7.0	18.00	2.40	9.30
C-7	04/09/87	1745	8.0	18.00	2.40	9.30
C-7	04/09/87	1745	9.0	18.00	2.40	9.40
C-7	04/09/87	1745	10.0	17.70	2.70	9.40
C-7	04/09/87	1745	11.0	17.50	2.70	9.40
C-7	04/09/87	1745	12.0	17.30	2.80	9.50
C-7	04/09/87	1745	13.0	17.20	3.00	9.50
C-7	04/09/87	1745	14.0	17.20	3.50	9.40
C-7	04/09/87	1745	15.0	17.20	4.10	9.30
C-7	04/10/87	1104	1.0	17.30	1.30	8.80
C-7	04/10/87	1104	2.0	17.30	1.20	8.80
C-7	04/10/87	1104	3.0	17.10	1.20	8.80
C-7	04/10/87	1104	4.0	17.10	1.70	8.80
C-7	04/10/87	1104	5.0	17.10	1.80	8.80
C-7	04/10/87	1104	6.0	17.00	1.80	9.10
C-7	04/10/87	1104	7.0	17.80	2.00	9.10
C-7	04/10/87	1104	8.0	17.60	2.50	9.00
C-7	04/10/87	1104	9.0	17.60	3.00	8.90
C-7	04/10/87	1104	10.0	17.30	4.20	8.90
C-7	04/10/87	1104	11.0	17.20	5.10	8.50
C-7	04/10/87	1104	12.0	16.90	5.80	8.20
C-7	04/10/87	1104	13.0	16.60	7.80	6.90
C-7	04/10/87	1104	14.0	16.60	14.00	1.80
C-7	04/10/87	1104	15.0	17.10	15.10	0.70
C-7	07/24/87	1345	1.0	32.30	4.90	8.40
C-7	07/24/87	1345	2.0	32.10	5.10	8.40
C-7	07/24/87	1345	3.0	31.20	10.40	8.70
C-7	07/24/87	1345	4.0	31.50	11.90	8.60
C-7	07/24/87	1345	5.0	31.00	13.90	7.65
C-7	07/24/87	1345	6.0	30.90	16.90	5.70
C-7	07/24/87	1345	7.0	30.90	17.50	3.50
C-7	07/24/87	1345	8.0	30.70	18.10	2.90
C-7	07/24/87	1345	9.0	30.70	18.60	2.05
C-7	07/24/87	1345	10.0	30.50	19.00	0.80
C-7	07/24/87	1345	11.0	30.50	19.10	0.30
C-7	07/24/87	1345	12.0	30.40	19.40	0.10
C-7	10/03/87	1400	1.0	24.40	12.10	6.10
C-7	10/03/87	1400	3.0	24.40	12.10	6.10
C-7	10/03/87	1400	5.0	24.40	12.90	5.80
C-7	10/03/87	1400	7.0	24.00	15.20	5.70
C-7	10/03/87	1400	9.0	24.90	17.30	4.10
C-7	10/03/87	1400	11.0	25.10	18.10	3.30
C-7	10/03/87	1400	13.0	25.30	18.30	3.10
C-7	10/03/87	1400	15.0	25.50	18.60	2.40

PRELIMINARY-SUBJECT
TO REVISION

C-7	10/03/87	1400	16.0	25.50	18.60	2.10
C-7	10/03/87	1957	1.0	25.30	13.40	6.00
C-7	10/03/87	1957	2.0	23.00	12.00	6.10
C-7	10/03/87	1957	3.0	25.00	13.60	6.20
C-7	10/03/87	1957	4.0	23.30	13.10	6.50
C-7	10/03/87	1957	5.0	24.80	14.80	6.70
C-7	10/03/87	1957	6.0	23.70	15.10	6.80
C-7	10/03/87	1957	7.0	24.50	15.10	6.30
C-7	10/03/87	1957	8.0	24.50	15.80	6.10
C-7	10/03/87	1957	9.0	24.50	15.80	6.10
C-7	10/03/87	1957	10.0	24.50	16.60	5.70
C-7	10/03/87	1957	11.0	24.50	16.60	5.80
C-7	10/03/87	1957	12.0	24.50	16.90	5.50
C-7	10/03/87	1957	13.0	25.00	17.10	4.50
C-7	10/03/87	1957	14.0	24.70	17.00	4.30
C-7	10/03/87	1957	15.0	24.70	19.20	1.60
C-7	10/03/87	1957	16.0	25.00	19.20	0.40
C-7	10/03/87	1957	17.0	25.00	18.50	0.50
C-7	10/04/87	1325	1.0	22.10	12.80	7.20
C-7	10/04/87	1325	3.0	22.30	12.80	7.20
C-7	10/04/87	1325	5.0	21.90	13.30	7.20
C-7	10/04/87	1325	7.0	21.80	13.50	7.00
C-7	10/04/87	1325	9.0	25.00	17.60	3.60
C-7	10/04/87	1325	11.0	25.60	18.50	2.10
C-7	10/04/87	1325	13.0	25.90	19.00	1.60
C-7	10/04/87	2235	1.0	21.90	11.60	7.60
C-7	10/04/87	2235	2.0	22.10	12.90	7.50
C-7	10/04/87	2235	3.0	22.50	12.80	7.20
C-7	10/04/87	2235	4.0	22.60	13.10	7.00
C-7	10/04/87	2235	5.0	22.60	13.80	6.30
C-7	10/04/87	2235	6.0	24.00	14.30	5.00
C-7	10/04/87	2235	7.0	24.70	16.20	3.40
C-7	10/04/87	2235	8.0	24.90	16.20	3.00
C-7	10/04/87	2235	10.0	23.90	16.60	2.50
C-7	10/04/87	2235	12.0	24.30	16.60	2.20
C-7	10/04/87	2235	14.0	25.80	17.30	1.60
C-7.5	10/03/87	1255	1.0	23.70	15.10	7.00
C-7.5	10/03/87	1255	2.0	23.40	15.40	7.00
C-7.5	10/03/87	1255	3.0	23.60	15.30	7.00
C-7.5	10/03/87	1255	4.0	23.40	15.20	7.00
C-7.5	10/03/87	2130	1.0	23.50	14.60	4.40
C-7.5	10/03/87	2130	2.0	21.90	14.40	4.40
C-7.5	10/03/87	2130	3.0	23.10	14.40	4.40
C-7.5	10/03/87	2130	4.0	22.90	14.40	4.50
C-7.5	10/03/87	2130	5.0	23.40	14.40	4.50
C-7.5	10/04/87	1550	1.0	22.00	14.10	6.90
C-7.5	10/04/87	1550	2.0	21.80	13.90	7.00
C-7.5	10/04/87	1550	3.0	21.80	14.00	6.90
C-7.5	10/04/87	1550	4.0	21.50	14.10	6.90
C-7.5	10/04/87	1550	5.0	21.40	14.10	6.90
C-7.5	10/04/87	2250	1.0	21.90	12.60	7.70
C-7.5	10/04/87	2250	2.0	21.70	14.30	7.40
C-7.5	10/04/87	2250	3.0	22.00	13.30	7.40
C-7.5	10/04/87	2250	4.0	22.80	16.00	6.50
C-7.5	10/04/87	2250	5.0	22.40	18.10	4.70

PRELIMINARY--SUBJECT
TO REVISION

C-3	12/09/86	1250	1.0	16.50	3.50	9.50
C-8	12/09/86	1250	2.0	16.40	3.60	9.60
C-8	12/09/86	1250	3.0	16.40	3.60	9.60
C-8	12/09/86	1250	4.0	16.40	3.60	9.60
C-8	12/09/86	1250	5.0	16.40	3.90	9.40
C-8	12/10/86	1407	1.0	17.50	5.80	7.60
C-8	12/10/86	1407	2.0	17.50	5.80	7.60
C-8	12/10/86	1407	3.0	17.50	5.80	7.60
C-8	12/10/86	1407	4.0	17.50	6.40	7.50
C-8	12/10/86	1407	5.0	17.50	8.40	6.80
C-8	04/09/87	1602	1.0	18.60	2.50	9.30
C-8	04/09/87	1602	2.0	18.60	2.60	9.40
C-8	04/09/87	1602	3.0	18.40	2.50	9.40
C-8	04/09/87	1602	4.0	18.30	2.50	9.40
C-8	04/09/87	1602	5.0	17.70	3.10	9.60
C-8	04/09/87	1602	6.0	17.20	3.10	9.80
C-8	04/10/87	1020	1.0	17.80	2.50	9.40
C-8	04/10/87	1020	2.0	17.80	2.60	9.40
C-8	04/10/87	1020	3.0	17.80	2.60	9.40
C-8	04/10/87	1020	4.0	17.80	2.70	9.40
C-8	04/10/87	1020	5.0	17.80	2.70	9.40
C-8	07/24/87	1630	1.0	31.50	11.80	8.10
C-8	07/24/87	1630	2.0	31.40	11.80	8.10
C-8	07/24/87	1630	3.0	31.50	11.90	8.10
C-8	07/24/87	1630	4.0	31.00	13.70	8.00
C-8	07/24/87	1630	5.0	30.60	17.00	6.00
C-8	07/24/87	1630	6.0	30.40	18.20	3.10
C-8	07/24/87	1630	6.5	30.50	18.70	2.20
C-8	10/03/87	1218	1.0	23.30	15.20	7.10
C-8	10/03/87	1218	2.0	23.00	15.30	7.10
C-8	10/03/87	1218	3.0	23.10	14.90	7.10
C-8	10/03/87	1218	4.0	23.40	15.10	7.10
C-8	10/03/87	1218	5.0	23.30	15.10	7.10
C-8	10/03/87	2237	1.0	22.20	14.00	6.80
C-8	10/03/87	2237	2.0	22.40	14.00	6.70
C-8	10/03/87	2237	3.0	21.00	14.00	6.80
C-8	10/03/87	2237	4.0	22.20	15.30	6.80
C-8	10/03/87	2237	5.0	22.20	15.60	6.70
C-8	10/04/87	1210	1.0	21.10	14.10	6.90
C-8	10/04/87	1210	2.0	21.10	14.20	6.90
C-8	10/04/87	1210	3.0	21.20	14.20	6.90
C-8	10/04/87	1210	4.0	21.00	14.30	6.90
C-8	10/04/87	1210	5.0	21.30	16.00	5.40
C-8	10/04/87	2145	1.0	21.40	13.50	7.40
C-8	10/04/87	2145	2.0	21.80	15.20	7.70
C-8	10/04/87	2145	3.0	21.70	15.00	7.70
C-8	10/04/87	2145	4.0	21.40	15.40	7.40
C-8	10/04/87	2145	5.0	21.60	18.30	5.60
C-8.5	10/03/87	1130	1.0	23.20	14.30	6.70
C-8.5	10/03/87	1130	2.0	23.40	13.80	6.70
C-8.5	10/03/87	1130	3.0	23.40	14.00	6.70
C-8.5	10/03/87	1130	4.0	23.60	14.20	6.70
C-8.5	10/03/87	1130	5.0	23.60	14.30	6.70
C-8.5	10/03/87	1130	6.0	23.30	14.40	6.70
C-8.5	10/03/87	1130	7.0	23.50	14.80	6.50

PRELIMINARY--SUBJECT
TO REVISION

C-8.5	10/03/87	2255	1.0	22.10	13.40	6.70
C-8.5	10/03/87	2255	2.0	22.10	13.80	6.70
C-8.5	10/03/87	2255	3.0	23.30	13.80	6.70
C-8.5	10/03/87	2255	4.0	21.00	13.90	6.80
C-8.5	10/03/87	2255	5.0	23.20	13.90	6.60
C-8.5	10/03/87	2255	6.0	23.20	14.80	6.50
C-8.5	10/04/87	1133	1.0	21.50	13.70	6.60
C-8.5	10/04/87	1133	2.0	21.50	13.60	6.95
C-8.5	10/04/87	1133	3.0	21.30	13.60	6.95
C-8.5	10/04/87	1133	4.0	21.40	14.20	7.10
C-8.5	10/04/87	1133	5.0	20.90	15.10	6.95
C-8.5	10/04/87	1133	6.0	22.20	17.70	5.40
C-8.5	10/04/87	2350	1.0	20.20	12.90	7.80
C-8.5	10/04/87	2350	2.0	21.80	13.30	7.80
C-8.5	10/04/87	2350	3.0	20.60	13.60	7.70
C-8.5	10/04/87	2350	4.0	22.30	14.00	7.70
C-8.5	10/04/87	2350	5.0	22.20	14.70	7.50
C-8.5	10/04/87	2350	6.0	21.20	16.40	6.70
C-9	12/10/86	1505	1.0	17.70	7.90	7.50
C-9	12/10/86	1505	2.0	17.70	8.20	7.60
C-9	12/10/86	1505	3.0	17.80	8.10	7.60
C-9	12/10/86	1505	4.0	17.70	8.60	7.50
C-9	12/10/86	1505	5.0	17.30	10.60	6.20
C-9	04/09/87	1615	1.0	20.20	3.10	10.60
C-9	04/09/87	1615	2.0	20.30	3.10	10.60
C-9	04/09/87	1615	3.0	20.20	3.20	10.60
C-9	04/09/87	1615	4.0	20.20	3.30	10.60
C-9	04/09/87	1615	5.0	19.90	3.20	10.40
C-9	04/09/87	1615	6.0	19.80	3.20	10.40
C-9	04/10/87	1032	1.0	19.20	3.30	10.00
C-9	04/10/87	1032	2.0	19.20	3.20	10.00
C-9	04/10/87	1032	3.0	19.20	3.20	10.00
C-9	04/10/87	1032	4.0	19.20	3.20	10.00
C-9	04/10/87	1032	5.0	19.40	3.20	10.00
C-9	07/24/87	1500	1.0	33.10	11.80	9.45
C-9	07/24/87	1500	2.0	33.00	12.10	9.50
C-9	07/24/87	1500	3.0	32.30	13.00	8.85
C-9	07/24/87	1500	4.0	31.30	16.10	6.60
C-9	07/24/87	1500	5.0	30.90	17.40	5.50
C-9	07/24/87	1500	6.0	30.70	18.50	4.20
C-9	07/24/87	1500	7.0	30.70	18.60	1.50
C-9	10/03/87	1250	1.0	23.40	14.00	6.40
C-9	10/03/87	1250	2.0	23.40	14.00	6.40
C-9	10/03/87	1250	3.0	23.30	14.00	6.40
C-9	10/03/87	1250	4.0	23.30	14.10	6.40
C-9	10/03/87	1250	5.0	23.30	14.10	6.40
C-9	10/03/87	1250	6.0	23.30	14.00	6.50
C-9	10/03/87	2110	1.0	22.60	14.80	5.20
C-9	10/03/87	2110	2.0	21.00	14.60	5.20
C-9	10/03/87	2110	3.0	23.10	14.60	5.20
C-9	10/03/87	2110	4.0	21.70	14.60	5.20
C-9	10/03/87	2110	5.0	22.00	14.30	5.20
C-9	10/04/87	1220	1.0	21.30	14.30	7.00
C-9	10/04/87	1220	2.0	21.20	14.30	7.10
C-9	10/04/87	1220	3.0	21.10	14.40	7.00

PRELIMINARY--SUBJECT
TO REVISION

C-9	10/04/87	1220	4.0	20.90	14.40	7.00
C-9	10/04/87	1220	5.0	20.90	14.30	7.00
C-9	10/04/87	1220	5.5	20.80	14.30	7.00
C-9	10/04/87	2340	1.0	19.90	14.80	7.30
C-9	10/04/87	2340	2.0	20.00	14.80	7.30
C-9	10/04/87	2340	3.0	19.70	14.60	7.30
C-9	10/04/87	2340	4.0	20.30	15.00	7.10
C-10	04/09/87	1548	1.0	18.30	2.40	9.30
C-10	04/09/87	1548	2.0	18.20	2.50	9.30
C-10	04/09/87	1548	3.0	18.40	2.40	9.30
C-10	04/09/87	1548	4.0	18.30	2.50	9.30
C-10	04/09/87	1548	5.0	18.30	2.60	9.40
C-10	04/09/87	1548	6.0	17.40	4.00	9.40
C-10	04/10/87	1008	1.0	17.40	2.30	9.20
C-10	04/10/87	1008	2.0	17.40	2.30	9.20
C-10	04/10/87	1008	3.0	17.50	2.40	9.20
C-10	04/10/87	1008	4.0	17.50	2.40	9.20
C-10	04/10/87	1008	5.0	17.50	2.60	9.20
C-10	04/10/87	1008	6.0	17.50	4.20	9.00
C-10	07/24/87	1600	1.0	31.40	9.20	8.20
C-10	07/24/87	1600	2.0	31.50	9.20	8.30
C-10	07/24/87	1600	3.0	31.40	9.20	8.30
C-10	07/24/87	1600	4.0	31.40	9.20	8.30
C-10	07/24/87	1600	5.0	31.50	9.30	8.20
C-10	07/24/87	1600	6.0	31.50	15.80	7.90
C-10	07/24/87	1600	7.0	30.30	19.60	3.00
C-10	10/03/87	923	1.0	23.00	17.30	6.50
C-10	10/03/87	923	2.0	23.10	17.20	6.50
C-10	10/03/87	923	3.0	23.80	17.10	6.50
C-10	10/03/87	923	4.0	23.20	17.10	6.50
C-10	10/03/87	923	5.0	23.10	17.30	6.50
C-10	10/03/87	923	6.0	23.10	17.30	6.40
C-10	10/03/87	923	7.0	23.80	18.50	5.10
C-10	10/03/87	2306	1.0	21.60	15.40	6.70
C-10	10/03/87	2306	2.0	21.50	15.70	6.70
C-10	10/03/87	2306	3.0	21.50	15.70	6.60
C-10	10/03/87	2306	4.0	22.00	14.50	6.60
C-10	10/03/87	2306	5.0	22.90	16.40	6.60
C-10	10/03/87	2306	6.0	21.00	15.10	6.50
C-10	10/03/87	2306	7.0	23.40	17.10	5.80
C-10	10/04/87	1150	1.0	21.30	14.30	7.00
C-10	10/04/87	1150	2.0	21.40	14.30	7.05
C-10	10/04/87	1150	3.0	21.40	14.40	7.05
C-10	10/04/87	1150	4.0	20.90	15.20	7.10
C-10	10/04/87	1150	5.0	20.70	15.40	7.00
C-10	10/04/87	1150	5.5	21.00	15.70	6.50
C-10	10/04/87	2400	1.0	20.00	13.60	7.80
C-10	10/04/87	2400	2.0	20.40	13.50	7.80
C-10	10/04/87	2400	3.0	20.40	13.70	7.80
C-10	10/04/87	2400	4.0	21.00	14.70	7.80
C-10	10/04/87	2400	5.0	21.00	15.00	7.90
C-10	10/04/87	2400	6.0	22.50	19.00	6.20
C-11	12/10/86	1550	1.0	17.10	4.20	8.30
C-11	12/10/86	1550	2.0	16.90	4.20	8.10
C-11	12/10/86	1550	3.0	17.10	4.50	8.20

PRELIMINARY-SUBJECT
TO REVISION

C-11	12/10/86	1550	4.0	17.20	4.70	7.80
C-11	12/10/86	1550	5.0	17.00	10.70	7.10
C-11	12/10/86	1550	6.0	16.60	19.40	3.60
C-11	04/09/87	1522	1.0	18.10	2.50	9.60
C-11	04/09/87	1522	2.0	18.50	2.50	9.60
C-11	04/09/87	1522	3.0	18.10	2.60	9.60
C-11	04/09/87	1522	4.0	17.90	2.60	9.60
C-11	04/09/87	1522	5.0	17.00	2.90	9.70
C-11	04/09/87	1522	6.0	16.70	2.90	9.70
C-11	04/09/87	1522	7.0	16.70	3.00	9.70
C-11	04/10/87	958	1.0	17.60	2.70	9.20
C-11	04/10/87	958	2.0	17.50	2.60	9.20
C-11	04/10/87	958	3.0	17.60	2.60	9.30
C-11	04/10/87	958	4.0	17.60	2.60	9.20
C-11	04/10/87	958	5.0	17.60	2.60	9.20
C-11	04/10/87	958	6.0	17.60	2.70	9.20
C-11	07/24/87	1540	1.0	31.40	10.60	8.70
C-11	07/24/87	1540	2.0	31.40	10.80	8.70
C-11	07/24/87	1540	3.0	31.30	10.80	8.80
C-11	07/24/87	1540	4.0	31.10	13.60	8.60
C-11	07/24/87	1540	5.0	30.80	16.60	8.40
C-11	07/24/87	1540	6.0	30.30	19.90	3.10
C-11	07/24/87	1540	7.0	30.40	19.80	1.80
C-11	07/24/87	1540	8.0	30.40	19.80	1.70
C-11	10/03/87	1145	1.0	22.90	14.40	6.10
C-11	10/03/87	1145	2.0	22.90	14.40	6.20
C-11	10/03/87	1145	3.0	23.00	14.40	6.20
C-11	10/03/87	1145	4.0	23.00	14.40	6.30
C-11	10/03/87	1145	5.0	23.00	14.40	6.20
C-11	10/03/87	1145	6.0	23.00	14.40	6.20
C-11	10/03/87	1145	7.0	23.00	14.30	6.20
C-11	10/03/87	2231	1.0	22.50	14.60	7.20
C-11	10/03/87	2231	2.0	22.10	14.60	7.20
C-11	10/03/87	2231	3.0	22.20	14.60	7.20
C-11	10/03/87	2231	4.0	22.20	14.50	7.20
C-11	10/03/87	2231	5.0	22.20	14.70	7.15
C-11	10/03/87	2231	6.0	22.20	14.50	7.10
C-11	10/03/87	2231	6.5	22.30	14.60	7.10
C-11	10/04/87	1405	1.0	22.10	15.30	7.20
C-11	10/04/87	1405	2.0	21.90	14.80	7.20
C-11	10/04/87	1405	3.0	21.70	15.00	7.20
C-11	10/04/87	1405	4.0	21.30	15.40	7.10
C-11	10/04/87	1405	5.0	21.80	18.60	5.60
C-11	10/04/87	1405	6.0	21.90	18.80	5.60
C-11	10/04/87	1405	7.0	22.00	18.90	5.50
C-11	10/04/87	2335	1.0	20.60	14.50	7.65
C-11	10/04/87	2335	2.0	20.80	14.60	7.80
C-11	10/04/87	2335	3.0	20.70	14.60	7.80
C-11	10/04/87	2335	4.0	20.80	14.50	7.70
C-11	10/04/87	2335	5.0	21.10	15.40	7.60
C-11.5	10/03/87	1210	1.0	23.00	14.10	6.40
C-11.5	10/03/87	1210	2.0	23.00	14.10	6.50
C-11.5	10/03/87	1210	3.0	23.00	14.10	6.50
C-11.5	10/03/87	1210	4.0	23.00	14.10	6.50
C-11.5	10/03/87	1210	5.0	22.90	14.10	6.40

PRELIMINARY-SUBJECT
TO REVISION

C-11.5	10/03/87	1210	6.0	22.90	14.00	6.40
C-11.5	10/03/87	1210	7.0	22.90	14.00	6.40
C-11.5	10/03/87	2255	1.0	22.20	14.10	7.30
C-11.5	10/03/87	2255	2.0	21.90	14.30	7.20
C-11.5	10/03/87	2255	3.0	22.00	14.20	7.25
C-11.5	10/03/87	2255	4.0	22.20	14.40	7.25
C-11.5	10/03/87	2255	5.0	22.10	14.20	7.25
C-11.5	10/03/87	2255	5.5	22.10	14.30	7.25
C-11.5	10/04/87	1340	1.0	22.00	14.70	6.90
C-11.5	10/04/87	1340	2.0	22.10	14.40	6.90
C-11.5	10/04/87	1340	3.0	21.20	14.90	6.90
C-11.5	10/04/87	1340	4.0	20.90	14.80	6.90
C-11.5	10/04/87	1340	5.0	20.60	14.80	6.80
C-11.5	10/04/87	1340	6.0	21.20	14.90	6.70
C-11.5	10/04/87	1340	7.0	21.20	14.40	6.70
C-11.5	10/04/87	2355	1.0	20.50	14.80	7.40
C-11.5	10/04/87	2355	2.0	20.50	14.80	7.50
C-11.5	10/04/87	2355	3.0	20.60	14.80	7.50
C-11.5	10/04/87	2355	4.0	20.50	15.00	7.50
C-11.5	10/04/87	2355	5.0	21.70	17.40	6.60
C-12	12/10/86	1527	1.0	18.10	5.70	7.90
C-12	12/10/86	1527	2.0	17.80	5.90	7.80
C-12	12/10/86	1527	3.0	17.70	6.20	7.70
C-12	12/10/86	1527	4.0	17.70	7.60	7.40
C-12	12/10/86	1527	5.0	17.50	11.60	6.40
C-12	04/09/87	1506	1.0	19.40	3.00	10.20
C-12	04/09/87	1506	2.0	19.70	3.00	10.40
C-12	04/09/87	1506	3.0	19.70	3.00	10.20
C-12	04/09/87	1506	4.0	19.60	3.10	10.30
C-12	04/09/87	1506	5.0	19.60	3.10	10.30
C-12	04/09/87	1506	6.0	19.60	3.10	10.30
C-12	04/10/87	950	1.0	17.70	2.70	9.40
C-12	04/10/87	950	2.0	18.40	2.80	9.40
C-12	04/10/87	950	3.0	18.30	2.70	9.40
C-12	04/10/87	950	4.0	18.30	2.70	9.40
C-12	04/10/87	950	5.0	18.20	2.70	9.40
C-12	04/10/87	950	6.0	18.20	2.80	9.40
C-12	07/24/87	1520	1.0	31.60	12.50	7.90
C-12	07/24/87	1520	2.0	31.60	12.40	7.90
C-12	07/24/87	1520	3.0	31.30	13.40	7.50
C-12	07/24/87	1520	4.0	31.50	13.60	7.70
C-12	07/24/87	1520	5.0	30.90	17.20	5.60
C-12	07/24/87	1520	6.0	30.50	19.20	3.60
C-12	10/03/87	1230	1.0	23.20	14.00	6.10
C-12	10/03/87	1230	2.0	23.20	14.00	6.10
C-12	10/03/87	1230	3.0	23.20	14.00	6.10
C-12	10/03/87	1230	4.0	23.30	14.00	6.10
C-12	10/03/87	1230	5.0	23.20	14.00	6.10
C-12	10/03/87	1230	6.0	23.20	14.00	6.10
C-12	10/03/87	2319	1.0	21.70	14.60	7.20
C-12	10/03/87	2319	2.0	22.00	14.30	7.10
C-12	10/03/87	2319	3.0	22.10	14.30	7.10
C-12	10/03/87	2319	4.0	22.10	14.40	7.10
C-12	10/03/87	2319	4.5	22.10	14.40	7.10
C-12	10/04/87	1315	1.0	22.50	13.90	7.20

PRELIMINARY-SUBJECT
TO REVISION

C-12	10/04/87	1315	2.0	21.70	13.80	7.20
C-12	10/04/87	1315	3.0	21.70	13.80	7.20
C-12	10/04/87	1315	4.0	21.00	14.30	7.00
C-12	10/04/87	1315	5.0	21.00	14.50	7.00
C-12	10/04/87	1315	6.0	20.50	14.90	6.70
C-12	10/04/87	1315	7.0	20.70	16.10	6.60
C-12	10/05/87	0017	1.0	20.60	14.20	7.50
C-12	10/05/87	0017	2.0	20.60	14.40	7.50
C-12	10/05/87	0017	3.0	21.00	14.90	7.10
C-12	10/05/87	0017	4.0	20.80	15.00	7.00
C-12	10/05/87	0017	5.0	21.30	16.30	6.30
C-13	12/10/86	1605	1.0	17.70	3.30	9.20
C-13	12/10/86	1605	2.0	17.20	3.40	9.30
C-13	12/10/86	1605	3.0	17.60	3.80	9.40
C-13	12/10/86	1605	4.0	17.70	16.30	9.50
C-13	12/10/86	1605	5.0	16.20	16.30	7.60
C-13	12/10/86	1605	6.0	16.20	20.30	4.60
C-13	04/09/87	1452	1.0	19.40	2.60	9.50
C-13	04/09/87	1452	2.0	19.60	2.60	9.50
C-13	04/09/87	1452	3.0	19.60	2.70	9.50
C-13	04/10/87	0942	1.0	17.50	2.70	8.80
C-13	04/10/87	0942	2.0	17.70	2.60	8.70
C-13	07/24/87	1830	1.0	30.50	12.30	7.40
C-13	07/24/87	1830	2.0	30.50	12.20	7.40
C-13	07/24/87	1830	3.0	30.50	12.20	7.40
C-13	07/24/87	1830	4.0	30.40	12.20	7.40
C-13	07/24/87	1830	5.0	30.50	12.20	7.40
C-13	07/24/87	1830	6.0	30.50	13.30	7.20
C-13	07/24/87	1830	7.0	30.10	19.10	6.40
C-13	10/03/87	1125	1.0	22.80	14.20	6.10
C-13	10/03/87	1125	2.0	22.80	14.30	6.10
C-13	10/03/87	1125	3.0	22.70	14.30	6.20
C-13	10/03/87	1125	4.0	22.70	14.30	6.20
C-13	10/03/87	1125	5.0	22.70	14.30	6.10
C-13	10/03/87	2208	1.0	21.70	14.20	7.20
C-13	10/03/87	2208	2.0	21.60	14.30	7.10
C-13	10/03/87	2208	3.0	21.70	14.30	7.10
C-13	10/03/87	2208	4.0	21.70	14.30	7.10
C-13	10/03/87	2208	4.5	21.70	14.40	7.10
C-13	10/04/87	1250	1.0	20.60	15.00	6.90
C-13	10/04/87	1250	2.0	21.00	14.60	7.00
C-13	10/04/87	1250	3.0	21.00	14.40	6.90
C-13	10/04/87	1250	4.0	21.10	14.80	6.90
C-13	10/04/87	1250	5.0	20.90	16.20	6.50
C-13	10/04/87	1250	6.0	21.00	16.10	6.40
C-13	10/05/87	0040	1.0	20.00	14.00	7.60
C-13	10/05/87	0040	2.0	20.00	14.00	7.70
C-13	10/05/87	0040	3.0	20.70	14.30	7.60
C-13	10/05/87	0040	4.0	20.60	14.50	7.60
C-13	10/05/87	0040	5.0	21.60	16.00	6.50
C-14	12/09/86	1200	1.0	16.80	6.00	9.90
C-14	12/09/86	1200	2.0	16.80	6.00	10.20
C-14	12/09/86	1200	3.0	16.60	6.00	10.20
C-14	12/09/86	1200	4.0	16.50	6.10	10.20
C-14	12/09/86	1200	5.0	15.60	12.00	9.40

PRELIMINARY--SUBJECT
TO REVISION

C-14	12/09/86	1200	6.0	15.90	21.20	6.40
C-14	12/09/86	1200	7.0	16.20	21.80	6.40
C-14	12/10/86	1625	1.0	17.50	4.80	9.10
C-14	12/10/86	1625	2.0	17.40	4.80	9.30
C-14	12/10/86	1625	3.0	17.20	4.80	9.50
C-14	12/10/86	1625	4.0	17.20	5.80	9.60
C-14	12/10/86	1625	5.0	15.60	9.60	9.50
C-14	12/10/86	1625	6.0	15.80	17.70	7.20
C-14	04/09/87	1432	1.0	19.50	3.40	9.70
C-14	04/09/87	1432	2.0	19.20	3.20	9.80
C-14	04/09/87	1432	3.0	19.00	3.70	9.80
C-14	04/09/87	1432	4.0	17.90	5.10	9.70
C-14	04/09/87	1432	5.0	17.30	5.20	9.50
C-14	04/09/87	1432	6.0	17.30	5.60	9.50
C-14	04/10/87	0935	1.0	17.20	3.10	9.30
C-14	04/10/87	0935	2.0	17.20	3.20	9.30
C-14	04/10/87	0935	3.0	17.80	3.50	9.30
C-14	04/10/87	0935	4.0	17.80	4.40	9.30
C-14	04/10/87	0935	5.0	17.80	5.00	9.20
C-14	07/24/87	1915	1.0	30.50	10.80	7.80
C-14	07/24/87	1915	2.0	30.60	10.90	7.80
C-14	07/24/87	1915	3.0	30.60	10.90	7.75
C-14	07/24/87	1915	4.0	30.60	10.90	7.75
C-14	07/24/87	1915	5.0	30.70	11.10	7.75
C-14	07/24/87	1915	6.0	30.70	11.60	7.70
C-14	10/03/87	1050	1.0	22.60	15.30	6.40
C-14	10/03/87	1050	2.0	22.60	15.30	6.40
C-14	10/03/87	1050	3.0	22.60	15.30	6.40
C-14	10/03/87	1050	4.0	22.60	15.30	6.40
C-14	10/03/87	1050	5.0	22.60	15.30	6.40
C-14	10/03/87	1050	6.0	22.60	15.30	6.40
C-14	10/03/87	1050	7.0	22.60	15.20	6.30
C-14	10/03/87	2139	1.0	22.33	16.70	7.00
C-14	10/03/87	2139	2.0	22.30	16.70	7.00
C-14	10/03/87	2139	3.0	22.40	16.70	7.00
C-14	10/03/87	2139	4.0	22.50	16.90	7.00
C-14	10/03/87	2139	5.0	22.40	16.80	7.00
C-14	10/03/87	2139	5.5	22.40	16.70	6.90
C-14	10/04/87	1200	1.0	21.30	17.00	6.60
C-14	10/04/87	1200	2.0	21.30	16.70	6.60
C-14	10/04/87	1200	3.0	21.30	16.40	6.40
C-14	10/04/87	1200	4.0	20.80	16.50	6.30
C-14	10/04/87	1200	5.0	21.20	15.90	6.30
C-14	10/04/87	1200	6.0	20.80	16.80	6.10
C-14	10/04/87	1200	7.0	20.30	16.50	6.10
C-14	10/04/87	2310	1.0	21.30	15.10	7.80
C-14	10/04/87	2310	2.0	21.40	15.20	7.70
C-14	10/04/87	2310	3.0	21.50	15.80	7.70
C-14	10/04/87	2310	4.0	21.70	16.30	7.50
C-14	10/04/87	2310	5.0	22.00	18.00	6.40
C-14.5	10/03/87	1010	1.0	23.90	19.40	5.40
C-14.5	10/03/87	1010	3.0	23.90	19.50	5.30
C-14.5	10/03/87	1010	5.0	24.00	19.50	5.20
C-14.5	10/03/87	1010	7.0	24.40	20.20	4.60
C-14.5	10/03/87	1010	9.0	25.60	22.10	2.80

PRELIMINARY-SUBJECT
TO REVISION

C-14.5	10/03/87	2105	1.0	21.70	14.10	7.20
C-14.5	10/03/87	2105	2.0	21.80	15.60	7.30
C-14.5	10/03/87	2105	3.0	22.10	15.50	7.40
C-14.5	10/03/87	2105	4.0	22.00	15.60	7.40
C-14.5	10/03/87	2105	5.0	22.20	15.80	7.30
C-14.5	10/03/87	2105	6.0	22.20	16.00	6.95
C-14.5	10/03/87	2105	7.0	23.90	20.20	6.25
C-14.5	10/03/87	2105	8.0	24.20	20.30	5.90
C-14.5	10/03/87	2105	9.0	24.50	20.60	5.20
C-14.5	10/03/87	2105	10.0	24.60	21.10	4.60
C-14.5	10/03/87	2105	11.0	24.80	21.50	3.70
C-14.5	10/04/87	1120	1.0	21.20	18.40	6.60
C-14.5	10/04/87	1120	2.0	21.00	18.40	6.60
C-14.5	10/04/87	1120	3.0	20.50	17.50	6.60
C-14.5	10/04/87	1120	4.0	20.60	18.80	6.50
C-14.5	10/04/87	1120	5.0	20.70	18.80	6.50
C-14.5	10/04/87	1120	6.0	21.10	18.80	6.50
C-14.5	10/04/87	1120	7.0	21.90	22.30	5.50
C-14.5	10/04/87	1120	8.0	21.80	23.20	5.00
C-14.5	10/04/87	1120	9.0	22.20	23.30	4.70
C-14.5	10/04/87	1120	10.0	21.90	23.80	4.60
C-14.5	10/04/87	1120	11.0	22.20	24.10	4.40
C-14.5	10/04/87	2230	1.0	21.00	15.10	8.10
C-14.5	10/04/87	2230	2.0	21.20	15.51	8.20
C-14.5	10/04/87	2230	3.0	21.50	15.80	8.00
C-14.5	10/04/87	2230	4.0	21.60	16.00	7.90
C-14.5	10/04/87	2230	5.0	21.70	17.30	7.70
C-14.5	10/04/87	2230	6.0	22.40	17.20	6.00
C-14.5	10/04/87	2230	7.0	22.80	22.50	5.80
C-14.5	10/04/87	2230	8.0	22.90	22.70	5.60
C-14.5	10/04/87	2230	9.0	23.00	22.90	5.10
C-14.5	10/04/87	2230	9.5	23.00	23.10	4.80
C-15	12/09/86	1130	1.0	17.60	6.30	9.15
C-15	12/09/86	1130	2.0	15.80	10.60	9.90
C-15	12/09/86	1130	3.0	15.50	12.30	8.80
C-15	12/09/86	1130	4.0	15.50	12.50	8.90
C-15	12/09/86	1130	5.0	15.50	13.30	9.40
C-15	12/09/86	1130	6.0	16.00	19.00	6.85
C-15	12/09/86	1130	7.0	15.60	21.50	7.95
C-15	12/09/86	1130	8.0	15.20	22.90	8.10
C-15	12/09/86	1130	9.0	16.20	25.10	5.30
C-15	12/09/86	1130	10.0	17.30	26.60	3.60
C-15	12/10/86	1640	1.0	16.70	8.40	9.20
C-15	12/10/86	1640	2.0	16.80	8.50	9.00
C-15	12/10/86	1640	3.0	16.50	8.60	9.40
C-15	12/10/86	1640	4.0	16.60	11.40	8.30
C-15	12/10/86	1640	5.0	15.70	18.80	7.10
C-15	12/10/86	1640	6.0	15.90	24.40	5.30
C-15	12/10/86	1640	7.0	16.10	25.30	4.70
C-15	12/10/86	1640	8.0	16.30	25.20	4.30
C-15	04/09/87	1408	1.0	19.30	6.40	9.40
C-15	04/09/87	1408	2.0	19.10	6.50	9.40
C-15	04/09/87	1408	3.0	18.80	6.60	9.40
C-15	04/09/87	1408	4.0	17.00	9.60	9.30
C-15	04/09/87	1408	5.0	17.20	10.20	9.20

PRELIMINARY-SUBJECT
TO REVISION

C-15	04/09/87	1408	6.0	17.30	10.80	9.10
C-15	04/09/87	1408	7.0	17.50	13.10	8.60
C-15	04/10/87	0903	1.0	17.70	6.70	8.90
C-15	04/10/87	0903	2.0	17.70	6.80	8.90
C-15	04/10/87	0903	3.0	17.70	7.10	8.90
C-15	04/10/87	0903	4.0	17.70	7.10	8.90
C-15	04/10/87	0903	5.0	17.70	7.60	8.90
C-15	04/10/87	0903	6.0	17.60	9.00	8.90
C-15	04/10/87	0903	7.0	17.60	9.80	8.90
C-15	04/10/87	0903	8.0	17.50	13.10	8.60
C-15	10/03/87	0955	1.0	23.20	18.60	6.30
C-15	10/03/87	0955	3.0	23.30	18.60	6.30
C-15	10/03/87	0955	5.0	23.30	18.60	6.20
C-15	10/03/87	0955	7.0	24.30	21.00	5.80
C-15	10/03/87	0955	9.0	25.40	23.40	4.40
C-15	10/03/87	0955	11.0	25.50	23.50	2.80
C-15	10/03/87	2051	1.0	22.90	17.50	7.10
C-15	10/03/87	2051	2.0	22.90	17.60	7.05
C-15	10/03/87	2051	3.0	22.90	17.70	7.00
C-15	10/03/87	2051	4.0	22.90	17.70	7.00
C-15	10/03/87	2051	5.0	23.00	17.00	6.95
C-15	10/03/87	2051	6.0	23.40	17.50	6.90
C-15	10/03/87	2051	7.0	23.90	20.90	6.90
C-15	10/03/87	2051	8.0	25.20	26.30	3.40
C-15	10/04/87	1055	1.0	19.90	19.70	6.40
C-15	10/04/87	1055	2.0	20.00	20.00	6.50
C-15	10/04/87	1055	3.0	20.10	19.70	6.50
C-15	10/04/87	1055	4.0	20.10	20.70	6.50
C-15	10/04/87	1055	5.0	20.40	20.40	6.50
C-15	10/04/87	1055	6.0	20.60	21.80	6.40
C-15	10/04/87	1055	7.0	20.50	21.70	6.40
C-15	10/04/87	1055	8.0	21.50	24.10	5.40
C-15	10/04/87	1055	9.0	22.60	24.60	5.00
C-15	10/04/87	1055	10.0	21.60	24.50	5.00
C-15	10/04/87	1055	11.0	22.20	24.40	5.00
C-15	10/04/87	1220	1.0	21.20	16.80	7.80
C-15	10/04/87	1220	2.0	21.00	16.80	7.70
C-15	10/04/87	1220	3.0	21.50	17.60	7.60
C-15	10/04/87	1220	4.0	21.70	18.40	7.60
C-15	10/04/87	1220	5.0	22.00	21.10	7.20
C-15	10/04/87	1220	6.0	22.40	21.90	7.00
C-15	10/04/87	1220	7.0	22.80	22.80	6.10
C-16	12/09/86	1107	1.0	17.20	10.50	9.80
C-16	12/09/86	1107	2.0	15.90	12.40	10.05
C-16	12/09/86	1107	3.0	15.60	13.70	10.00
C-16	12/09/86	1107	4.0	15.30	15.70	9.70
C-16	12/09/86	1107	5.0	15.50	18.10	9.60
C-16	12/09/86	1107	6.0	15.70	21.70	9.10
C-16	12/09/86	1107	7.0	15.70	22.60	9.00
C-16	12/09/86	1107	8.0	16.00	24.60	8.80
C-16	12/09/86	1107	9.0	16.10	26.80	8.40
C-16	12/09/86	1107	10.0	16.30	27.20	8.10
C-16	12/09/86	1107	11.0	16.00	28.90	7.20
C-16	12/09/86	1107	12.0	16.20	29.10	6.70
C-16	12/09/86	1107	13.0	16.40	30.60	5.80

PRELIMINARY-SUBJECT
TO REVISION

C-16	04/09/87	1310	1.0	18.60	6.60	8.90
C-16	04/09/87	1310	2.0	18.70	6.40	8.75
C-16	04/09/87	1310	3.0	18.30	6.70	8.75
C-16	04/09/87	1310	4.0	18.10	7.40	8.80
C-16	04/09/87	1310	5.0	17.50	10.40	8.90
C-16	04/09/87	1310	6.0	17.30	10.90	8.70
C-16	04/09/87	1310	7.0	17.40	14.50	8.40
C-16	04/09/87	1310	8.0	17.00	18.00	7.90
C-16	04/09/87	1310	9.0	16.80	20.50	6.90
C-16	04/10/87	0850	1.0	17.30	8.30	8.90
C-16	04/10/87	0850	2.0	17.40	8.40	8.90
C-16	04/10/87	0850	3.0	17.20	8.30	8.90
C-16	04/10/87	0850	4.0	17.30	8.60	8.90
C-16	04/10/87	0850	5.0	17.40	10.30	8.80
C-16	04/10/87	0850	6.0	18.00	10.80	8.50
C-16	04/10/87	0850	7.0	18.00	11.20	8.40
C-16	04/10/87	0850	8.0	18.00	12.40	8.40
C-16	04/10/87	0850	9.0	18.00	12.30	8.40
C-16	10/03/87	0935	1.0	23.30	19.60	6.00
C-16	10/03/87	0935	3.0	23.50	19.70	6.00
C-16	10/03/87	0935	5.0	23.50	19.70	6.00
C-16	10/03/87	0935	7.0	24.20	21.10	4.70
C-16	10/03/87	0935	9.0	25.20	25.40	3.20
C-16	10/03/87	2029	1.0	22.80	19.50	6.80
C-16	10/03/87	2029	2.0	22.70	19.50	6.90
C-16	10/03/87	2029	3.0	22.70	19.60	6.90
C-16	10/03/87	2029	4.0	22.70	19.90	6.80
C-16	10/03/87	2029	5.0	23.60	20.50	6.70
C-16	10/03/87	2029	6.0	23.60	20.50	6.70
C-16	10/03/87	2029	7.0	24.00	21.60	6.40
C-16	10/03/87	2029	8.0	24.60	22.00	5.80
C-16	10/03/87	2029	9.0	25.10	22.40	4.80
C-16	10/03/87	2029	10.0	25.40	27.00	3.90
C-16	10/03/87	2029	11.0	25.40	27.10	3.80
C-16	10/04/87	1000	1.0	21.10	18.40	7.70
C-16	10/04/87	1000	2.0	21.00	17.80	7.80
C-16	10/04/87	1000	3.0	21.20	18.40	7.80
C-16	10/04/87	1000	4.0	21.80	19.20	7.80
C-16	10/04/87	1000	5.0	21.80	19.40	7.85
C-16	10/04/87	1000	6.0	22.00	20.00	7.70
C-16	10/04/87	1000	7.0	22.00	21.20	7.10
C-16	10/04/87	1000	8.0	22.30	22.30	6.30
C-16	10/04/87	1000	9.0	23.90	25.50	5.00
C-16	10/04/87	1000	9.5	24.00	25.80	4.80
C-16	10/04/87	1030	1.0	20.90	20.60	6.60
C-16	10/04/87	1030	2.0	20.80	21.40	6.60
C-16	10/04/87	1030	3.0	21.10	21.80	6.60
C-16	10/04/87	1030	4.0	22.30	20.80	6.60
C-16	10/04/87	1030	5.0	21.00	21.40	6.60
C-16	10/04/87	1030	6.0	21.00	22.00	6.70
C-16	10/04/87	1030	7.0	20.90	21.80	6.20
C-16	10/04/87	1030	8.0	21.70	24.30	5.70
C-16	10/04/87	1030	9.0	22.60	27.90	4.40
C-16	10/04/87	1030	10.0	23.60	27.70	4.30
C-16	10/04/87	1030	11.0	23.10	27.30	4.10

PRELIMINARY-SUBJECT
TO REVISION

C-17	12/09/86	1040	1.0	16.50	10.10	9.60
C-17	12/09/86	1040	2.0	16.50	10.00	9.60
C-17	12/09/86	1040	3.0	16.70	10.50	9.50
C-17	12/09/86	1040	4.0	16.30	11.80	9.50
C-17	12/09/86	1040	5.0	14.70	16.30	9.20
C-17	12/09/86	1040	6.0	14.60	16.60	9.00
C-17	12/09/86	1040	7.0	14.80	19.80	8.50
C-17	12/09/86	1040	8.0	15.80	24.00	8.10
C-17	12/09/86	1040	9.0	16.60	28.70	7.80
C-17	12/09/86	1040	10.0	16.70	29.80	7.90
C-17	12/09/86	1040	11.0	16.70	30.60	7.70
C-17	12/09/86	1040	12.0	16.40	31.10	7.30
C-17	12/09/86	1040	13.0	16.20	31.30	7.20
C-17	12/09/86	1040	14.0	17.00	32.10	7.50
C-17	12/09/86	1040	15.0	17.50	32.90	7.50
C-17	12/09/86	1040	16.0	17.60	32.70	7.30
C-17	12/09/86	1040	17.0	17.70	33.00	7.30
C-17	04/09/87	1345	1.0	18.60	10.40	9.20
C-17	04/09/87	1345	2.0	18.10	10.70	9.10
C-17	04/09/87	1345	3.0	18.20	10.70	9.20
C-17	04/09/87	1345	4.0	17.50	10.80	9.30
C-17	04/09/87	1345	5.0	16.90	11.20	9.05
C-17	04/09/87	1345	6.0	16.80	12.70	9.10
C-17	04/09/87	1345	7.0	17.10	17.50	8.70
C-17	04/09/87	1345	8.0	17.10	20.30	7.70
C-17	04/09/87	1345	9.0	17.20	26.50	6.70
C-17	04/09/87	1345	10.0	16.90	26.60	6.80
C-17	04/10/87	0834	1.0	17.40	12.00	8.80
C-17	04/10/87	0834	2.0	17.30	12.00	8.80
C-17	04/10/87	0834	3.0	17.30	12.00	8.80
C-17	04/10/87	0834	4.0	17.30	12.00	8.80
C-17	04/10/87	0834	5.0	17.30	12.00	8.80
C-17	04/10/87	0834	6.0	17.30	12.00	8.80
C-17	04/10/87	0834	7.0	17.30	12.20	8.80
C-17	04/10/87	0834	8.0	17.40	13.00	8.70
C-17	04/10/87	0834	9.0	17.20	14.50	8.70
C-17	04/10/87	0834	10.0	17.30	14.70	8.60
C-17	10/03/87	0907	1.0	23.40	20.70	6.40
C-17	10/03/87	0907	3.0	23.40	20.70	6.40
C-17	10/03/87	0907	7.0	23.50	20.70	6.50
C-17	10/03/87	0907	9.0	23.70	20.70	6.50
C-17	10/03/87	0907	11.0	23.70	20.70	6.50
C-17	10/03/87	2006	1.0	23.10	20.80	6.90
C-17	10/03/87	2006	2.0	23.40	20.80	7.00
C-17	10/03/87	2006	3.0	23.30	21.00	7.10
C-17	10/03/87	2006	4.0	23.40	21.50	7.10
C-17	10/03/87	2006	5.0	23.30	21.50	7.10
C-17	10/03/87	2006	6.0	23.40	21.80	7.10
C-17	10/03/87	2006	7.0	23.50	21.80	7.10
C-17	10/03/87	2006	8.0	23.50	21.70	7.10
C-17	10/03/87	2006	9.0	23.40	21.70	7.10
C-17	10/03/87	2006	10.0	23.50	21.50	7.00
C-17	10/03/87	2006	11.0	23.50	21.80	7.10
C-17	10/03/87	2006	12.0	23.50	21.90	7.10
C-17	10/03/87	2006	13.0	23.50	21.90	7.10

PRELIMINARY-SUBJECT
TO REVISION

C-17	10/03/87	2006	14.0	23.50	21.20	7.10
C-17	10/03/87	2006	15.0	23.50	20.30	7.10
C-17	10/03/87	2006	16.0	23.50	19.20	7.10
C-17	10/03/87	2006	17.0	23.70	20.60	7.10
C-17	10/04/87	0950	1.0	20.60	22.20	6.50
C-17	10/04/87	0950	2.0	20.10	23.10	6.50
C-17	10/04/87	0950	3.0	20.50	22.30	6.50
C-17	10/04/87	0950	4.0	20.60	22.60	6.50
C-17	10/04/87	0950	5.0	20.70	22.90	6.50
C-17	10/04/87	0950	6.0	20.50	22.40	6.50
C-17	10/04/87	0950	7.0	20.50	22.20	6.50
C-17	10/04/87	0950	8.0	20.40	22.60	6.50
C-17	10/04/87	0950	9.0	20.70	23.30	6.50
C-17	10/04/87	0950	10.0	20.80	22.30	6.40
C-17	10/04/87	0950	11.0	20.70	22.60	6.40
C-17	10/04/87	0950	12.0	21.00	23.10	6.40
C-17	10/04/87	2130	1.0	21.60	21.40	7.70
C-17	10/04/87	2130	2.0	21.80	21.30	7.70
C-17	10/04/87	2130	3.0	21.70	21.30	7.70
C-17	10/04/87	2130	4.0	21.50	21.30	7.75
C-17	10/04/87	2130	5.0	21.60	21.50	7.80
C-17	10/04/87	2130	6.0	21.80	21.50	7.80
C-17	10/04/87	2130	7.0	21.70	21.70	7.75
C-17	10/04/87	2130	8.0	21.60	21.70	7.85
C-17	10/04/87	2130	9.0	22.50	24.00	6.50

PRELIMINARY-SUBJECT
TO REVISION