TECHNICAL MEMORANDUM

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SOUTH FLORIDA WATER MANAGEMENT DISTRICT
WATER QUALITY MONITORING NETWORK
1980 ANNUAL REPORT

#118

BY
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SOUTH FLORIDA WATER MANAGEMENT DISTRICT

INTERIM REPORT

Any findings, conclusions, and actual data are subject to change and/or revision.

Final publication of these data will be included in a future District Technical Publication

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

General Introduction

In January 1979 the South Florida Water Management District implemented a baseline water quality monitoring network (Figure 1). The primary objective of this network was to maintain a baseline data set for areas of the District where there are no ongoing special studies. Additionally, this data was intended to provide for an accounting of materials discharged from the major drainage systems, depict areal and seasonal variability, provide a means to determine long term trends and provide a base for more comprehensive basin assessments. Data collected from all areas of the network will be evaluated at least once a year to insure that the network design is adequate to accomplish its objectives.

This network lies within the following planning areas:

1. Upper East Coast (U.E.C.)
2. Lower East Coast (L.E.C.)
3. Lower West Coast (L.W.C.)
4. Lake Okeechobee Basin
5. Kissimmee River Basin

This report is divided into sections which correspond to the five planning areas. With the exception of the Lake Okeechobee and Kissimmee River Basins, the data analysis within each section includes as a minimum, statistical summaries of the data, graphic displays (time series plots) and station rankings based on total nitrogen and phosphorus concentrations.

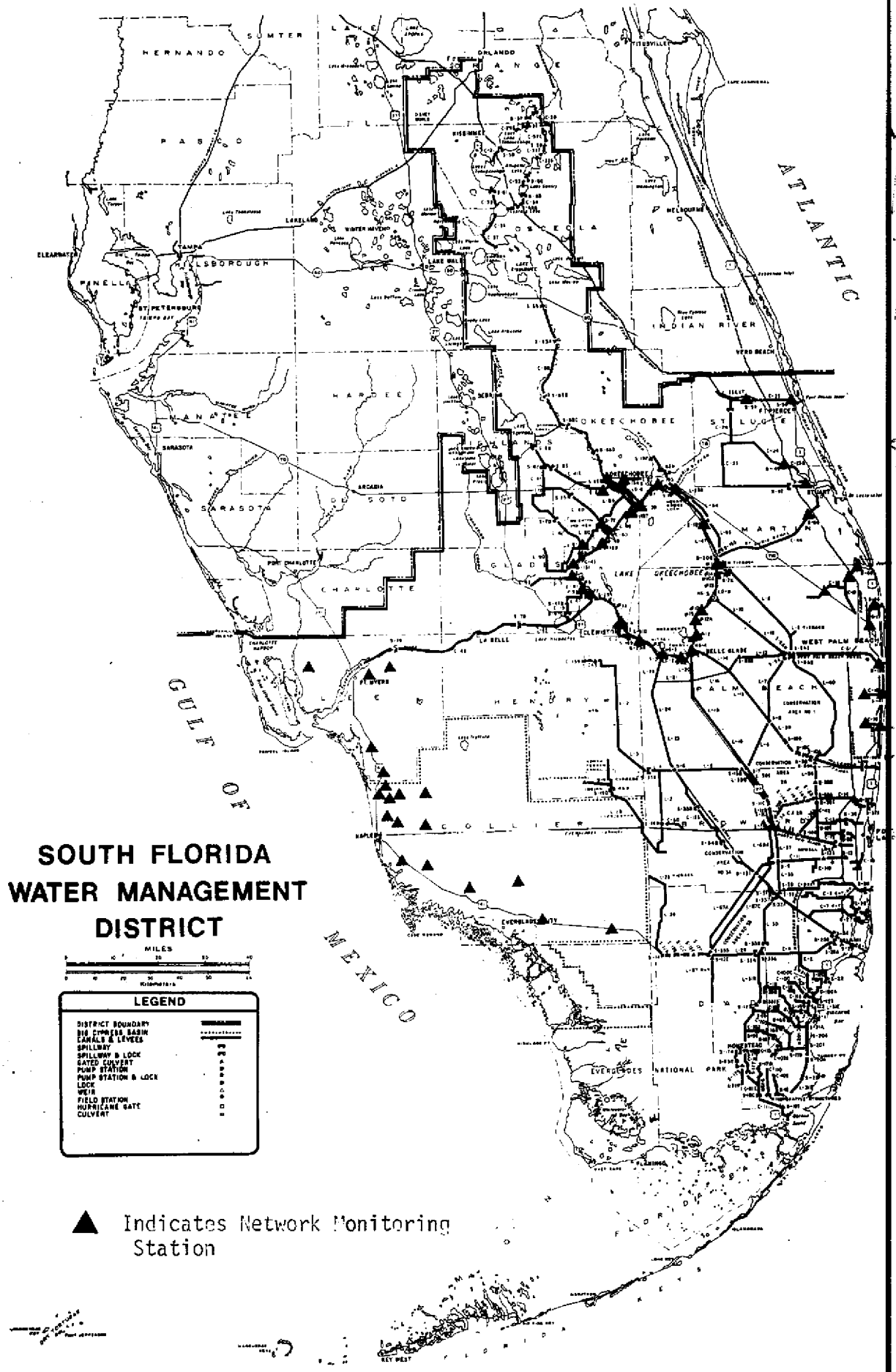


FIGURE 1 Location of Water Quality Monitoring Stations

S.F.W.M.D. WATER QUALITY MONITORING NETWORKS

PART ONE

The Lake Okeechobee Temporary Operating Permit (T.O.P.) Network

Introduction

In December of 1979, the Florida Department of Environmental Regulation (D.E.R.) issued the S.F.W.M.D. a temporary operating permit (T.O.P.) for the control structures which discharge water to Lake Okeechobee. The objectives of the District's T.O.P. monitoring network were to furnish the D.E.R. with the additional information requested in Section II.B. of the permit. Gathering this additional information involves collecting water quality data for two consecutive wet seasons from inflow control structures which are situated around the perimeter of the Lake. This section of the report on the District's monitoring networks describes the data collected during the first year of this program. Only limited interpretation of the data collected under this program will be made until the full two years of data have been collected.

Materials and Methods

In accordance with the T.O.P. monitoring program, additional water quality sampling stations were incorporated into the Lake Okeechobee Material Loading and Budget Study in May of 1979. The stations which are currently being sampled as part of the above combined programs are:

HGS5	*S71
Culvert 11 (Mayaca Groves)	*S131
*S135	S78 (Fisheating Creek at S.R. 78)
*S191	S77
*S133	*S4

*S84	S236 (South Florida Conservancy Dist.)
*S65E	*S3
*S154	Culvert 4A (South Shore Drainage Dist.)
KS78 (Kissimmee R. at S.R. 78)	*S2
*S127	Culvert 12 (East Shore Drainage Dist.)
*S72	Culvert 12A (Pahokee Farms Inc.)
*S129	Culvert 10 (East Beach Water Control District)

* Stations specifically addressed in the T.O.P.

The locations of these stations are illustrated in Figure 1-1.

Water samples for chemical analysis of nutrients and major ions were routinely collected at the above stations on a biweekly basis. The water quality variables which were measured on a routine basis at these stations are:

Physical	Nutrients	Field	Major Ions
Total Suspended Solids	TKN	Dissolved Oxygen	Cl
Color	NO_x	pH	SO_4
Turbidity	NO_2	Specific Conductivity	Alkalinity
	NH_4	Temperature	
	$T\text{-}PO_4$		
	$O\text{-}PO_4$		
	TOC		

As per the T.O. P., additional water samples were collected for pesticide, trace metal, and 5-day BOD analysis. The purpose of this additional parametric coverage was to screen the inflows to determine if any of these variables were entering the lake in high enough levels to warrant more detailed limnetic and drainage basin surveys. Sampling schedules for these special variables which were required to be measured during the 1979 wet season (May through September inclusive) are given in Table 1-1.

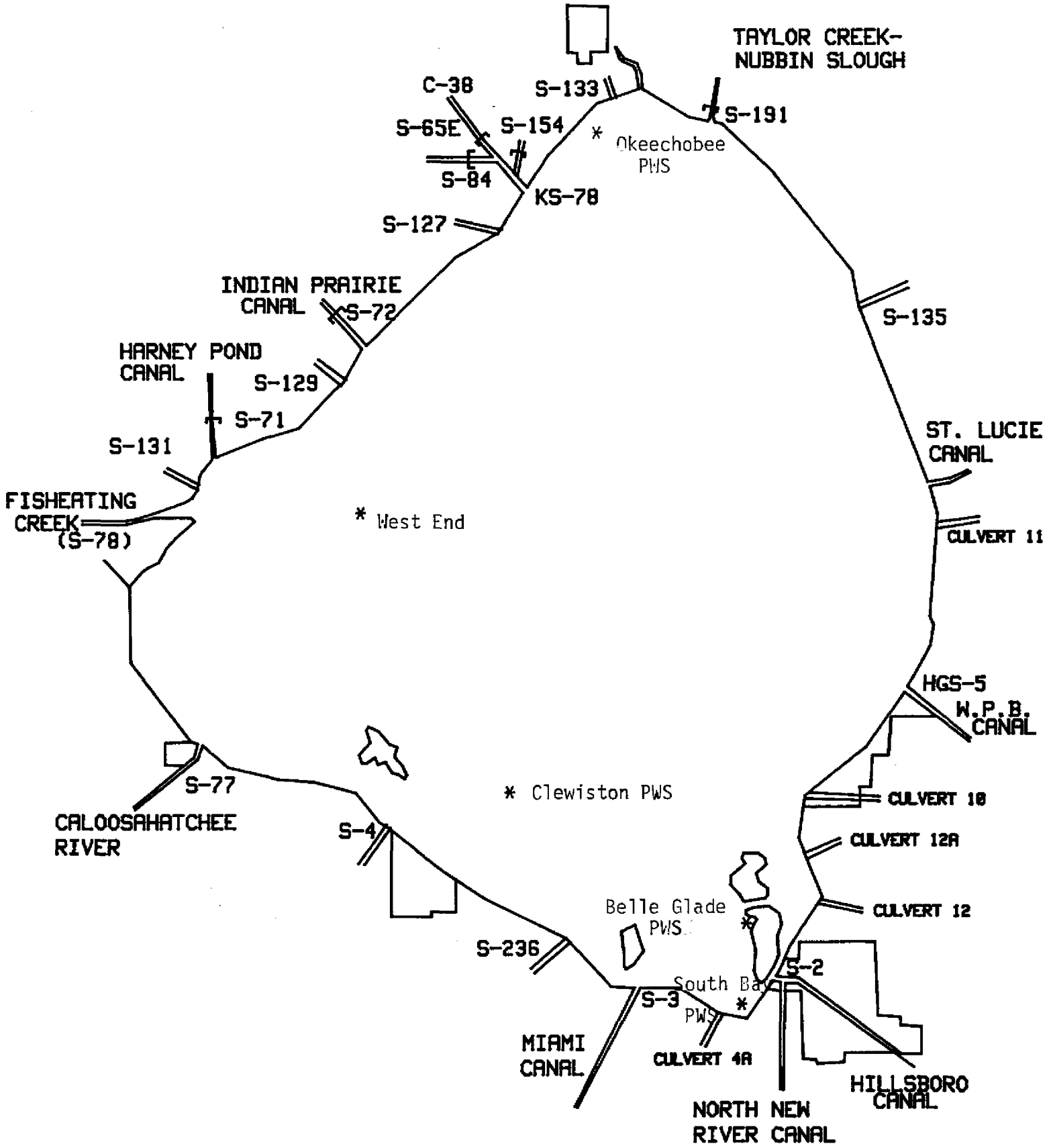


FIGURE 1-1. LAKE OKEECHOBEE T.O.P. MONITORING STATIONS

TABLE 1.1 · T.O.P. SAMPLING SCHEDULE FOR THE 1979 WET SEASON

Date	Pesticides	Total Trace Metals (Hg, Cd, Cu, Zn, As, Pb)	5-Day BOD
May	S2, S3, S4	All stations were sampled once a month for total trace metal analysis. One set of triplicates was run each month.	All stations were sampled once a month for 5-day BOD analysis. One set of triplicates was run each month.
June	S2, S3, S4, S65E, S191		
July	S2, S3, S4, S65E, S191 (triplicates @ S2)		
August	S2, S3, S4, S65E, S191, S135, S133, S127, S129, S131, S71, S72, S84, S154, S78		
Sept.	S2, S3, S4, S65E, S191, CULV 11, S236, CULV 4A, CULV 12, CULV 12A, CULV 10, Okeechobee Public Water Supply*, Belle Glade Public Water Supply*, South Bay Public Water Supply*, Clewiston Public Water Supply*, West End of Lake*		
Total Number of Samples Collected	46	130	130

*These 5 stations are located in the limnetic zone of Lake Okeechobee and are not specifically addressed in the Draft T.O.P. agreement.

Water samples which were collected for pesticide analyses were analyzed in Tallahassee by the D.E.R. BOD_5 analyses were performed by Geotec, Inc. of West Palm Beach. Total trace metal as well as routine variable analyses were performed by the S.F.W.M.D. laboratory in West Palm Beach.

While the T.O.P. required that samples be collected during two consecutive wet seasons, it was felt that program objectives could be better met by sampling continuously from one wet season through the next. Therefore, samples were collected during the 1979 dry season and analyzed for routine water quality variables only.

Results and Discussion

Table 1-2 lists the results of BOD_5 analysis for all stations which were sampled during the 1979 wet season. No value exceeded 9 mg/l and based on a normal probability plot (Figure 1-2) 95% of the time the BOD's were 5 mg/l or less. BOD_5 values occurring within this range should be considered low magnitude values.

Table 1-3 lists the dates on which samples were collected for pesticide analyses from the T.O.P. monitoring stations. The list of specific pesticide ANALYSES which the D.E.R. performed on the water samples is given in Table 1-4. No nitrogen or phosphorus containing pesticides were detected at any station. The chemical analyses of the samples resulted in the detection of only two chlorinated compounds - 2,4-D and 2,4,5-TP (Table 1-5). The herbicide 2,4,5-TP was detected only once (S-4) with the concentration measured (0.27 µg/l) being 30 times below the Class I-A standard of 10 µg/l. The herbicide 2,4-D was detected at almost all the stations. The highest 2,4-D level recorded was 4.36 µg/l at the Okeechobee Public Water Supply Intake. This value, however, was still 23 times below the Class I-A standard of 100 µg/l.

TABLE 1-2 RESULTS OF BOD_5 ANALYSES FOR THE LAKE OKEECHOBEE T.O.P. MONITORING PROGRAM (MAY 1979 - SEPTEMBER 1979)

Station	May	June	July	August	September	Station MEAN
HGS-5	2.0	3.0	3.0	1.0	3.0	2.4
Culvert 11	5.0	3.0	3.0	4.0	5.0	4.0
S-135	1.0	3.0	3.0	sample	4.0	2.7
S-191	6.0	2.0	2.0	destroyed	7.0	4.2
S-133	2.0	4.0	3.0	3.0	5.0	3.4
S-84	2.0	2.0	2.0	1.0	4.0	2.7
S-65E	1.0	2.0	3.0	1.0	4.0	2.7
S-154	1.0	2.0	2.0	1.0	4.0	2.0
C-38 at S.R. 78	1.0	2.0	3.0	1.0	3.0	2.0
S-127	2.0	5.0	3.0	2.0	5.0	3.4
S-72	5.0	4.0	2.0	1.0	5.0	3.4
S-129	3.0	7.0	4.0	4.0	5.0	4.6
S-71	1.0	2.0	2.0	1.0	4.0	2.0
S-131	None detected	3.0	3.0	3.0	3.0	3.0
Fisheating Crk. at SR 78	2.0	1.0	2.0	1.0	3.0	1.8
S-77	2.0	3.0	3.0	2.0	3.0	2.6
S-4	3.0	2.0	4.0	2.0	5.0	5.3
S-236	2.0	2.0	3.0	1.0	4.0	2.4
S-3	2.0	3.0	3.0	1.0	3.0	2.4
Culvert 4A	2.0	3.0	4.0	2.0	4.0	3.0
S-2	2.0	3.0	3.0	1.0	3.0	2.4
Culvert 12	9.0	3.0	3.0	2.0	4.0	4.2
Culvert 12A	2.0	2.0	3.0	5.0	6.0	3.6
Culvert 10	3.0	2.0	2.0	1.0	5.0	2.6

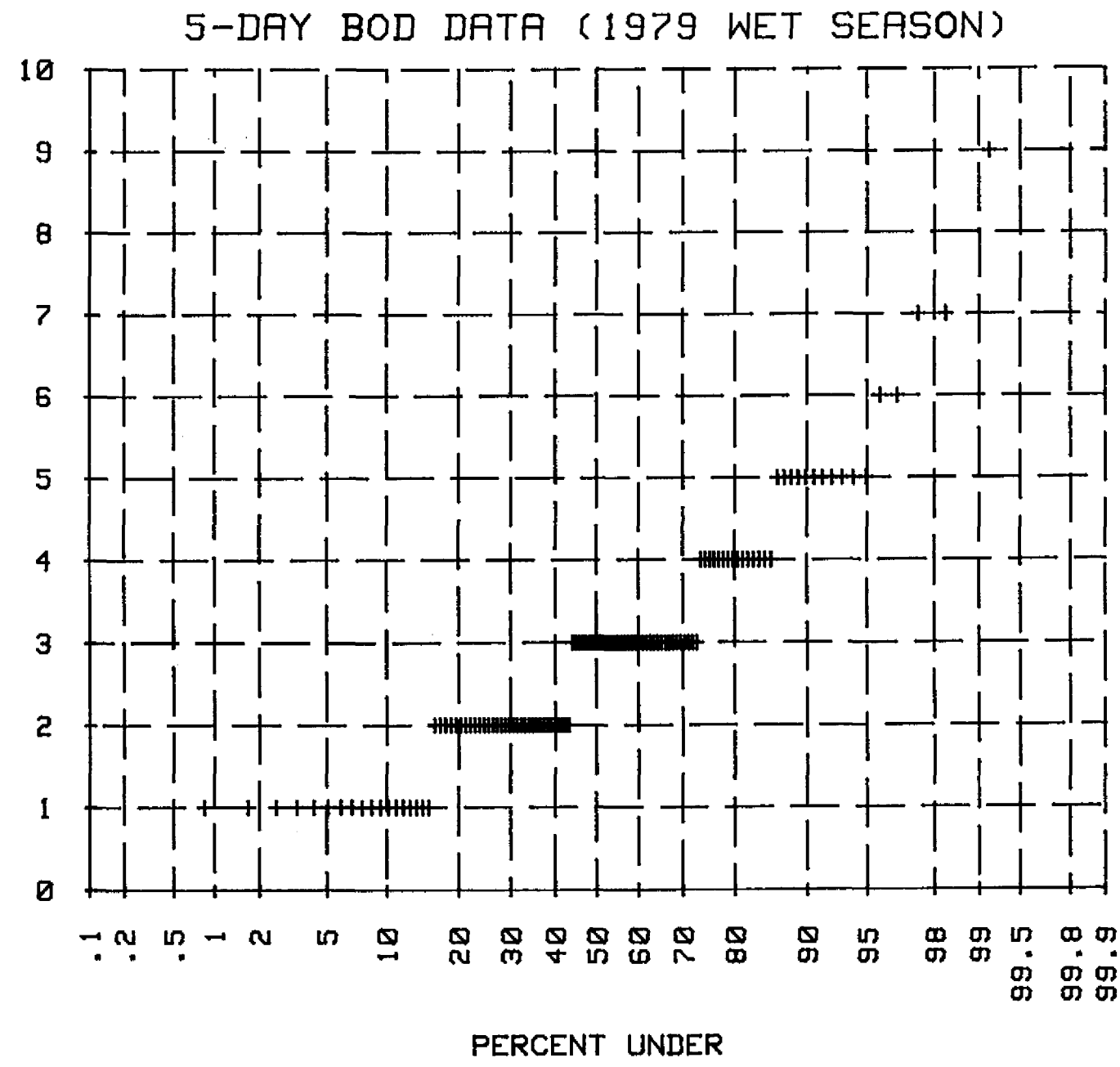


FIGURE 1-2. NORMAL PROBABILITY PLOT

TABLE 1-3 LAKE OKEECHOBEE T.O.P. PESTICIDE SAMPLING SCHEDULE

	1979				
Station	May	June	July	August	September
S4	X	X	X	X	
S3	X	X	X	X	
S2	X	X	X	X	
S191		X	X	X	
S65E		X	X	X	
S135				X	
S133				X	
S84				X	
S154				X	
S127				X	
S72				X	
S129				X	
S71				X	
S131				X	
Fisheating Cr.				X	
Okeechobee PWS					X
Belle Glade PWS					X
South Bay PWS					X
Clewiston PWS					X
Mid-Lake					X

TABLE 1-4 LIST OF CHLORINATED AND N,P PESTICIDES ANALYZED AS PART OF THE LAKE OKEECHOBEE T.O.P. MONITORING PROGRAM

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATIONS
PESTICIDES AND TOXIC ORGANICS REPORT FORM

Sample analyses reported below were performed for chlorinated pesticides and for nitrogen and phosphorus containing pesticides. Several pesticides which would be detected including those listed in 17-3 are as follows:

(1) Aldrin
(2) BHC
(3) Chlordane
(4) DDE & Metabolites
(5) DDD & Metabolites
(6) DDT & Metabolites
(7) Dieldrin
(8) Demeton
(9) Diazinon
(10) Endosulfan
(11) Endrin
(12) Ethion
(13) Guthion
(14) Heptachlor & Heptachlor Expoxide
(15) Lindane
(16) Malathion
(17) Methyl Parathion
(18) Mirex
(19) Methoxychlor
(20) Parathion
(21) PCB's
(22) Phosdrin
(23) Phorate
(24) Ronnel
(25) Strobane
(26) Toxaphene
(27) Trifluralin
(28) Trithion

The detection limits range from 0.006 to 0.06 µg/l for the chlorinated pesticides and from 0.01 to 1.0 µg/l for the nitrogen and phosphorus containing pesticides at the specified settings on our instrumentation. Instrument parameters are as follows:

		Chlorinated Pesticides	Nitrogen-Phosphorus Pesticides
Instrument	=	H.P. 5730 GC	H.P. 5710 GC
Detector	=	Electron Capture - Temp. 300° C.	N-P-D Temp. 300°C
Column	=	3% SP2100 - Temp. 200°C	2% OV-101 Temp. 200°C
Flow Rates	=	40 ml/min N_2	40 ml/min He 3 ml/min H_2 50 ml/min Air

TABLE 1-5. RESULTS OF PESTICIDE ANALYSIS FOR THE LAKE OKEECHOBEE T.O.P. MONITORING PROGRAM

Chlorinated Pesticides (µg/l)

1979

Station	May	June	July	August	September
S4	2,4,D=.21 2,4,5-TP=.27	2,4,D=<.1	2,4,D= .29	N.D.	
S3	2,4,D=.27	2,4,D=.18	ND	2,4,D=.42	
S2	2,4,D=.19	2,4,D=<.1	2,4,D=1.02**	2,4,D=1.06	
S191		2,4,D=.98	N.D.	N.D.	
S65E		2,4,D=<.1	2,4,D=.17	2,4,D=.97	
S135				N.D.	
S133				2,4,D=.23	
S84				2,4,D=.80	
S154				2,4,D=.71	
S127				2,4,D=.73	
S72				2,4,D=.83	
S129				N.D.	
S71				2,4,D=1.5	
S131				2,4,D=.69	
Fisheating Cr				N.D.	
Okeechobee PWS					2,4,D=4.36
Belle Glade PWS					2,4,D=3.85
South Bay PWS					2,4,D=1.35
Clewiston PWS					2,4,D=.60
Mid-Lake					2,4,D=1.87

N,P Pesticides

None detected at any station

* Only pesticides with values above detection limits are reported. All other pesticides were non-detectable.

** Indicates triplicate data, average used.

A summary of the results of analyses for routine water quality variables at some of the T.O.P. monitoring stations is given in Table 1-6. In general, the quality of the water entering the Lake during 1979-80 was similar to that measured since 1973. The water entering the Lake from the private drainage districts was of poorer quality than that which entered the Lake from other sources. A detailed analysis of the inflows will be presented in a Technical Publication in 1981.

The results of the total trace metal analyses are incomplete at the present time and will be presented in the 1981 Annual Report. The results of analyses for the routine water quality variables measured as part of the T.O.P. program are given, by station, in Appendix A.

TABLE 1-6. MEAN RESULTS OF ANALYSES FOR ROUTINE WATER QUALITY VARIABLES[1/]

Station	Specific Cond.		Dissolved Oxygen		Inorganic Nitrogen		Total Nitrogen		Ortho Phosphorus		Total Phosphorus	
Inflows (S.F.W.M.D.)												
S2	1099	(412)[2/]	5.7	(2.1)	1.38	(1.62)	4.35	(2.51)	0.071	(0.075)	0.125	(0.079)
S3	765	(178)	6.5	(1.7)	0.95	(1.55)	3.33	(2.17)	0.031	(0.032)	0.064	(0.032)
S4	795	(230)	5.8	(2.8)	0.67	(0.74)	3.13	(1.07)	0.204	(0.328)	0.386	(0.357)
S71	222	(46)	4.8	(2.0)	0.86	(0.80)	2.91	(1.12)	0.149	(0.150)	0.206	(0.170)
S72	300	(81)	4.3	(2.2)	0.33	(0.31)	2.70	(1.16)	0.116	(0.077)	0.180	(0.101)
S84	168	(56)	5.8	(1.9)	0.19	(0.13)	1.60	(0.47)	0.048	(0.039)	0.075	(0.051)
S65E	152	(36)	6.1	(2.0)	0.13	(0.08)	1.61	(0.73)	0.077	(0.064)	0.112	(0.068)
S154	376	(141)	5.0	(2.3)	0.12	(0.08)	2.29	(0.84)	0.306	(0.212)	0.391	(0.246)
S191	521	(206)	4.2	(2.2)	0.92	(0.59)	3.18	(0.94)	0.787	(0.333)	1.024	(0.189)
S127	818	(224)	5.3	(2.5)	0.50	(0.74)	3.18	(1.12)	0.263	(0.113)	0.380	(0.174)
S129	692	(131)	5.8	(2.5)	0.20	(0.17)	2.30	(0.55)	0.095	(0.072)	0.152	(0.082)
S131	657	(157)	6.7	(2.3)	0.19	(0.21)	2.20	(0.60)	0.084	(0.058)	0.119	(0.049)
S133	667	(90)	5.4	(2.5)	0.34	(0.30)	2.30	(0.52)	0.236	(0.128)	0.302	(0.133)
S135	940	(116)	5.7	(2.4)	0.21	(0.18)	2.18	(0.59	0.097	(0.087)	0.181	(0.227)
Fisheating Creek	163	(54)	5.5	(2.3)	0.11	(0.14)	2.27	(1.05)	0.095	(0.048)	0.132	(0.054)

1 All measurements were made between May 1979 and April 1980, inclusive. Results of nutrient analyses are expressed in mg/l as N or P. Specific conductance units are μmhos/cm.

2 Standard Deviation in parenthesis

TABLE 1-6 (CONTINUED)

Station	Specific Cond.		Dissolved Oxygen		Inorganic Nitrogen	
Outflows						
HGS5	947	(465)	5.9	(2.1)	1.12	(1.00)
S77	665	(156)	4.7	(2.2)	0.39	(0.36)
Inflows (Private Drainage Districts)						
Culvert 10	1475	(606)	3.7	(2.1)	2.24	(2.83)
Culvert 11	1943	(699)	1.5	(0.9)	0.83	(0.59)
Culvert 12	1213	(516)	4.9	(2.4)	3.08	(4.34)
Culvert 12A	2856	(1170)	2.3	(1.4)	2.54	(1.59)
Culvert 4A	1140	(454)	3.8	(2.8)	1.47	(1.37)
S236	1477	(478)	4.8	(1.6)	1.71	(1.32)

Total Nitrogen		Ortho Phosphorus		Total Phosphorus	
3.37	(1.66)	0.067	(0.039)	0.140	(0.077)
2.45	(1.00)	0.064	(0.115)	0.105	(0.124)
7.75	(12.26)	0.123	(0.113)	0.206	(0.175)
3.32	(0.95)	0.195	(0.184)	0.234	(0.199)
7.17	(5.60)	0.064	(0.053)	0.105	(0.050
6.26	(2.36)	0.192	(0.136)	0.257	(0.131)
4.84	(1.89)	0.030	(0.027)	0.067	(0.026)
4.76	(1.83)	0.031	(0.028)	0.064	(0.028)

S.F.W.M.D. WATER QUALITY MONITORING NETWORKS

Part Two

The Upper East Coast (U.E.C.) Monitoring Network

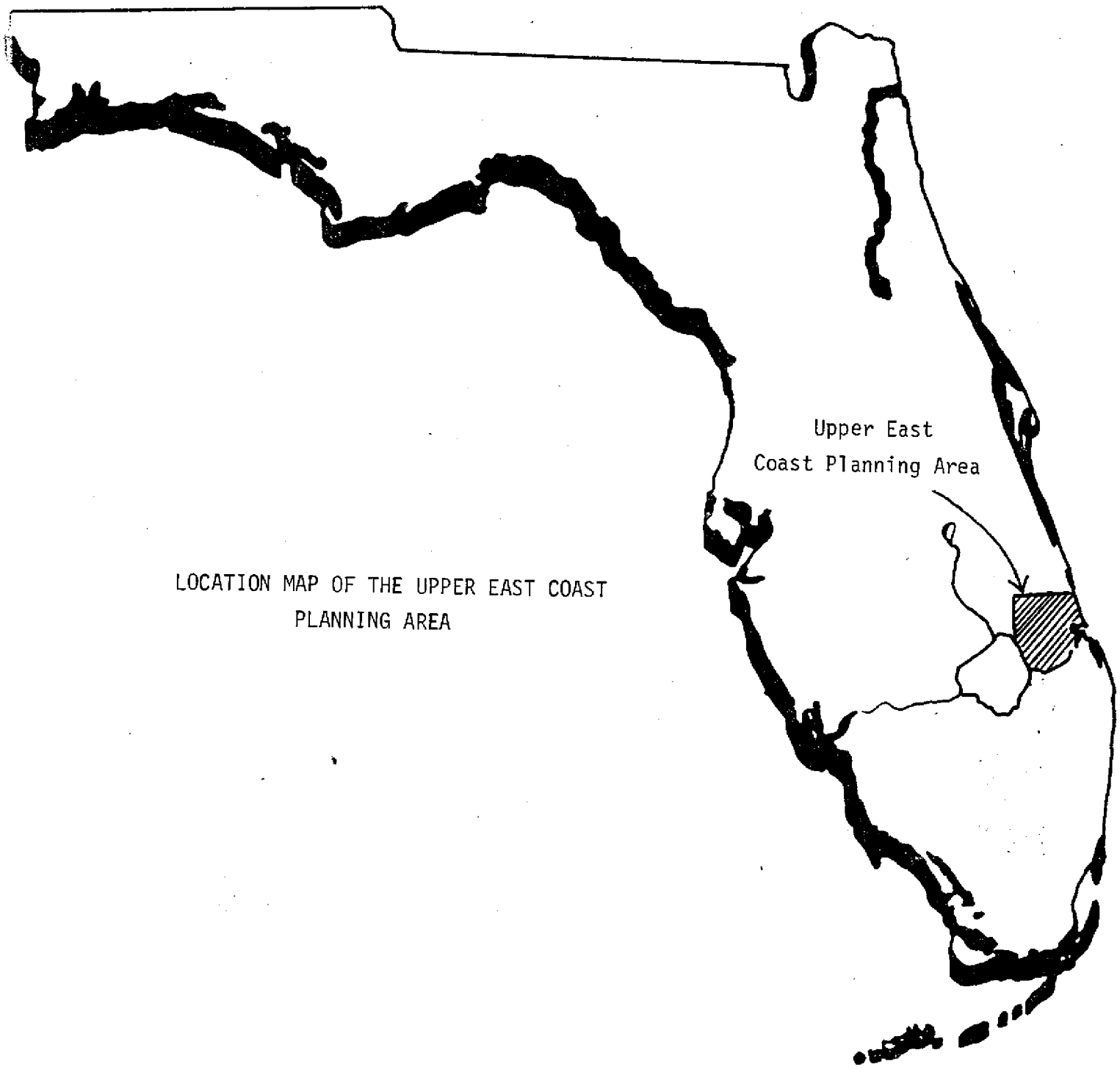
Introduction

Figure 2-1 illustrates the location of the Upper East Coast Planning Area. In years past, several intensive efforts have been undertaken to collect water quality data at various locations within this area. From May 1974 to November 1975 the District collected water quality data semi-annually at locations along the primary U.E.C. canal system. Between November 1976 and October 1977, daily water quality samples from S-49, S-97, and S-99 were collected. In addition to these intensive efforts along the Upper East Coast, a baseline monitoring network was established to document water quality conditions in these actively developing basins and to maintain a long term data record. The purpose of this section is to document the first year's operation of the baseline monitoring network in the Upper East Coast Planning Area.

Materials and Methods

Figure 2-2 illustrates the drainage basins and the water quality monitoring stations within each drainage basin for the U.E.C. Planning Area. The five sampling stations were all sampled on a monthly basis.

Samples collected were analyzed for NO_x, NO_2, NH_4, TKN, T-PO_4, O-PO_4, TOC, turbidity and color in addition to the *in situ* measurements (i.e. temp., pH, cond., and D.O.) which were made with a Hydrolab Surveyor(R). Suspended solids were measured monthly at S-80 in addition to the routine variables mentioned above.



LOCATION MAP OF THE UPPER EAST COAST
PLANNING AREA

FIGURE 2-1

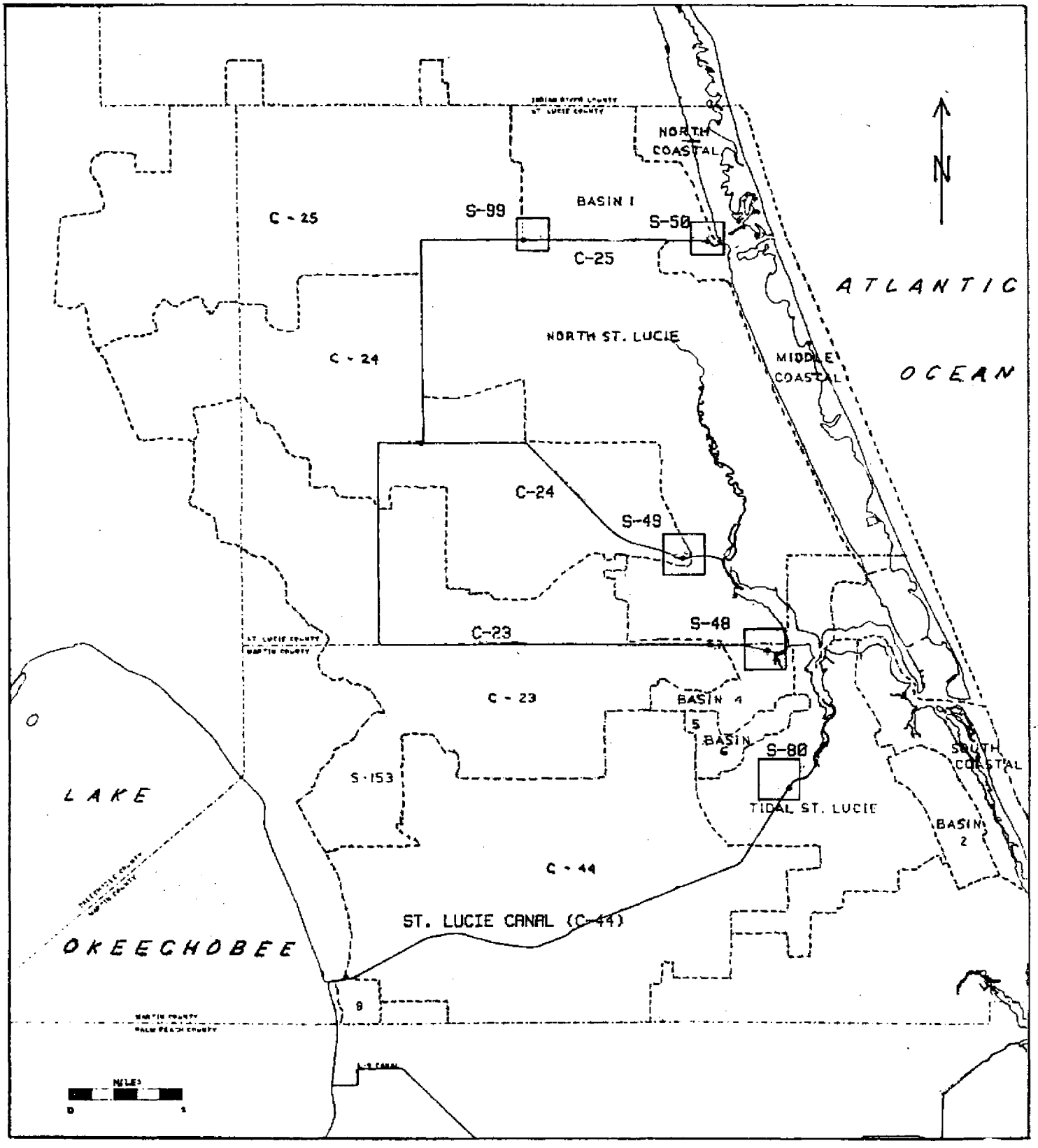


FIGURE 2-2 SURFACE WATER DRAINAGE BASINS AND WATER QUALITY MONITORING STATIONS FOR THE UPPER EAST COAST PLANNING AREA

Twice a year (February and August) additional analyses were performed at each station for SO_4, Cl, alkalinity, Na, K, Ca, Mg, total Fe, suspended solids, hardness and dissolved trace metals.

Results and Discussion

Figure 2-3 illustrates the seasonal variability of several field variables which were measured at S-48 on C-23. Dissolved oxygen concentrations and percent saturation decreased during the summer months while conductance increased. Since these trends were representative of the temporal water quality patterns throughout the Upper East Coast, similar graphs for other stations within the U.E.C. Planning Area may be found in Appendix B.

Specific conductances along the Upper East Coast (Table 2-1) ranged from 242 μmhos/cm at S-48 to 2000 μmhos/cm at S-99. With the exception of S-80, any areal variability in the U.E.C. Planning Area was minimal compared to the seasonal variability. Conductivities were generally higher in C-23, C-24, and C-25 than in C-44. One possible explanation for this is that the water contained in C-23, C-24 and C-25 was primarily composed of groundwater and irrigation water from surrounding agricultural lands. This water is usually higher in dissolved solids than the surface waters from Lake Okeechobee, which comprised most of the water (80%) moving through C-44 during 1979.

Dissolved oxygen concentrations ranged from 0.4 mg/l to 9.3 mg/l (Table 2-1). In general, the lower values occurred during the warmer summer months as depicted previously. The surface waters in C-23 at S-48 and C-44 at S-80 were generally more highly saturated in oxygen than C-24 and C-25 surface waters. Since all dissolved oxygen measurements were made between 0753 hours and 1336 hours, it would be valid conjecture to assume that measurements made prior to or after this time frame would yield values lower and higher (respectively) than the measurements which were actually taken.

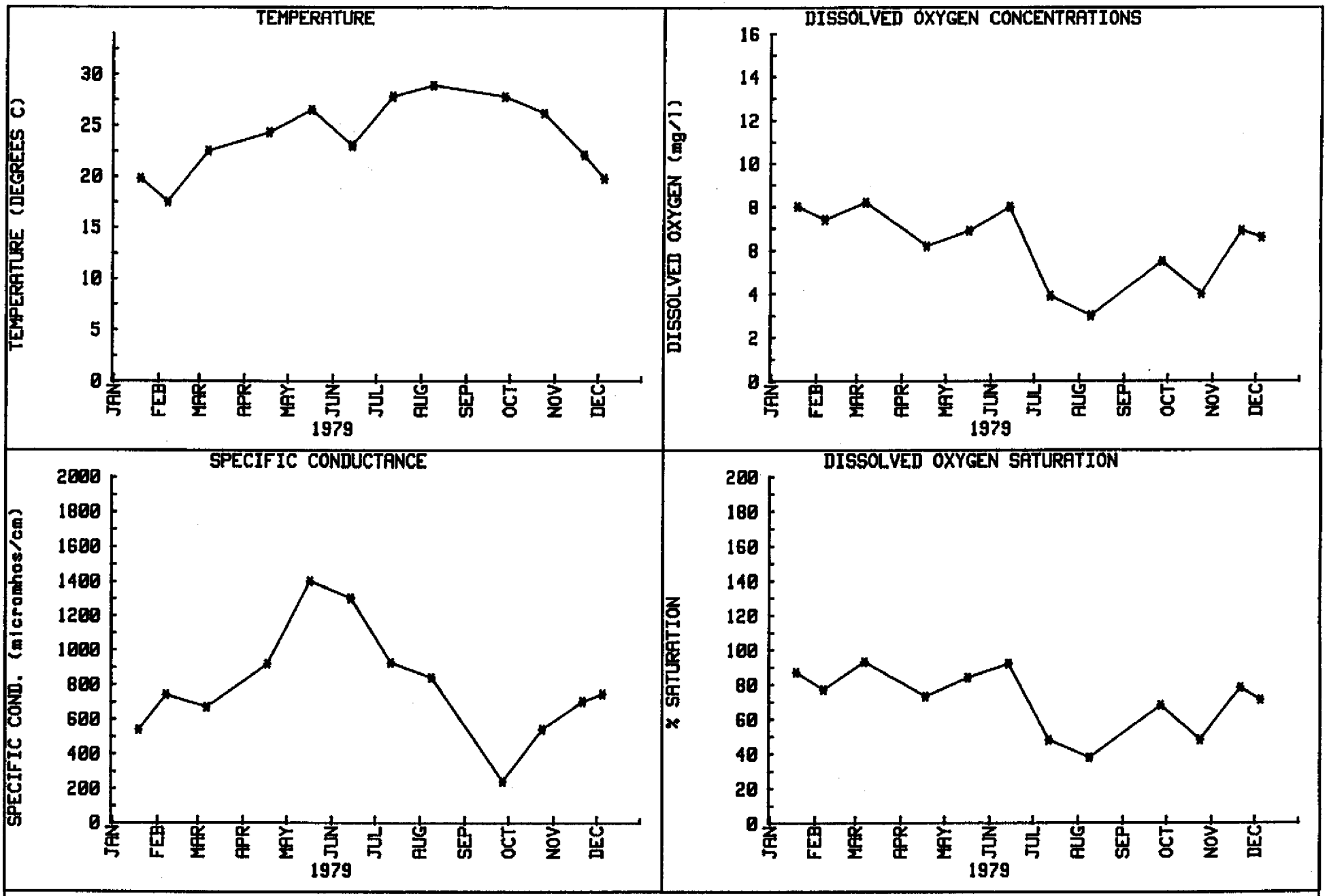


FIGURE 2-3. FIELD DATA VS TIME FOR C-23 AT S-48

TABLE 2-1. RESULTS OF ANALYSES FOR ROUTINE WATER QUALITY VARIABLES[1]

	Temperature				D.O.				Sp. Cond.				Inorganic-N			
Location	Mean	S.D.	Min.	Max.	Mean	S.D.	Min.	Max.	Mean	S.D.	Min.	Max.	Mean	S.D.	Min.	Max.
C23 @ S48	23.9	3.7	17.5	28.9	6.2	1.8	3.0	8.2	797	319	242	1400	0.23	0.17	0.03	0.49
C24 @ S49	23.4	3.8	17.2	29.2	3.9	2.6	0.4	8.5	1004	245	448	1300	0.35	0.21	0.03	0.66
C25 @ S50	23.7	3.9	17.9	28.8	3.9	2.4	0.6	8.6	850	208	570	1200	0.24	0.31	0.07	1.18
C25 @ S99	23.8	4.0	18.0	28.3	3.5	2.5	1.0	9.3	1018	431	498	2000	0.15	0.09	0.02	0.34
C44 @ S80	24.5	4.5	16.7	30.5	6.5	1.9	2.2	8.5	609	123	375	800	0.29	0.19	0.02	0.58
Mean	23.9				4.8				856				0,26			
S.D.	0.4				1.4				168				0.07			

(1) Units are as follows: Temp. (C^{o}); D.O. (mg/l), Sp. Cond. (μmhos/cm)., Nutrients (mg/l as N or P)

TABLE 2-1 (CONTINUED)

Location	Total-N Mean	S.D.	Min.	Max.
C23 & S48	1.64	0.67	0.31	2.38
C24 @ S49	2.22	1.08	0.36	4.57
C25 @ S50	1.51	0.49	0.67	2.12
C25 @ S99	1.74	0.82	0.51	3.06
C44 @ S80	2.49	1.41	1.28	6.16
Mean	1.92			
S.D.	0.42			

Ortho-P				Total-P			
Mean	S.D.	Min.	Max.	Mean	S.D.	Min.	Max.
0.140	0.091	0.035	0.321	0.178	0.099	0.067	0.401
0.199	0.114	0.025	0.393	0.280	0.134	0.062	0.528
0.097	0.077	0.005	0.219	0.148	0.096	0.021	0.285
0.102	0.083	0.005	0.277	0.164	0.111	0.044	0.358
0.087	0.073	0.031	0.286	0.130	0.079	0.063	0.349
0.125				0.180			
0.046				0.059			

Changes in temperature appear to have been a significant factor influencing the maximum dissolved oxygen concentrations since the saturation point was reached in several instances.

Figure 2-4 graphically describes the seasonal variation in nitrogen and phosphorus on C-23 at S-48. Inorganic nitrogen levels were lowest during the summer wet season. Phosphorus levels were lowest during the end of the dry season and increased sharply during the wet season. The water quality trends at this structure were representative of the trends which occurred at the other stations within the U.E.C. Planning Area. Corresponding figures for these other monitoring stations are given in Appendix B. It should be noted that triplicate results of analysis were plotted on these graphs, when they occurred, in order to display a visual representation of the analytical variation within selected samples.

Ranking the canals according to their mean nutrient concentrations yields the following:

	Nitrogen[1]		Phosphorus[1]	
1.	C44	(2.49)	C24	(.280)
2.	C24	(2.22)	C23	(.178)
3.	C23	(1.64)	C25[2]	(.156)
4.	C25[2]	(1.62)	C44	(.130)

(1) All values are in mg/l N or P.

(2) The mean nutrient concentrations at S50 and S99 were averaged since both structures are on C25. See Program modifications.

As these rankings show, one canal, C-44, displays an opposite trend in nutrient concentrations since it has the highest mean nitrogen concentration and the lowest mean phosphorus concentration.

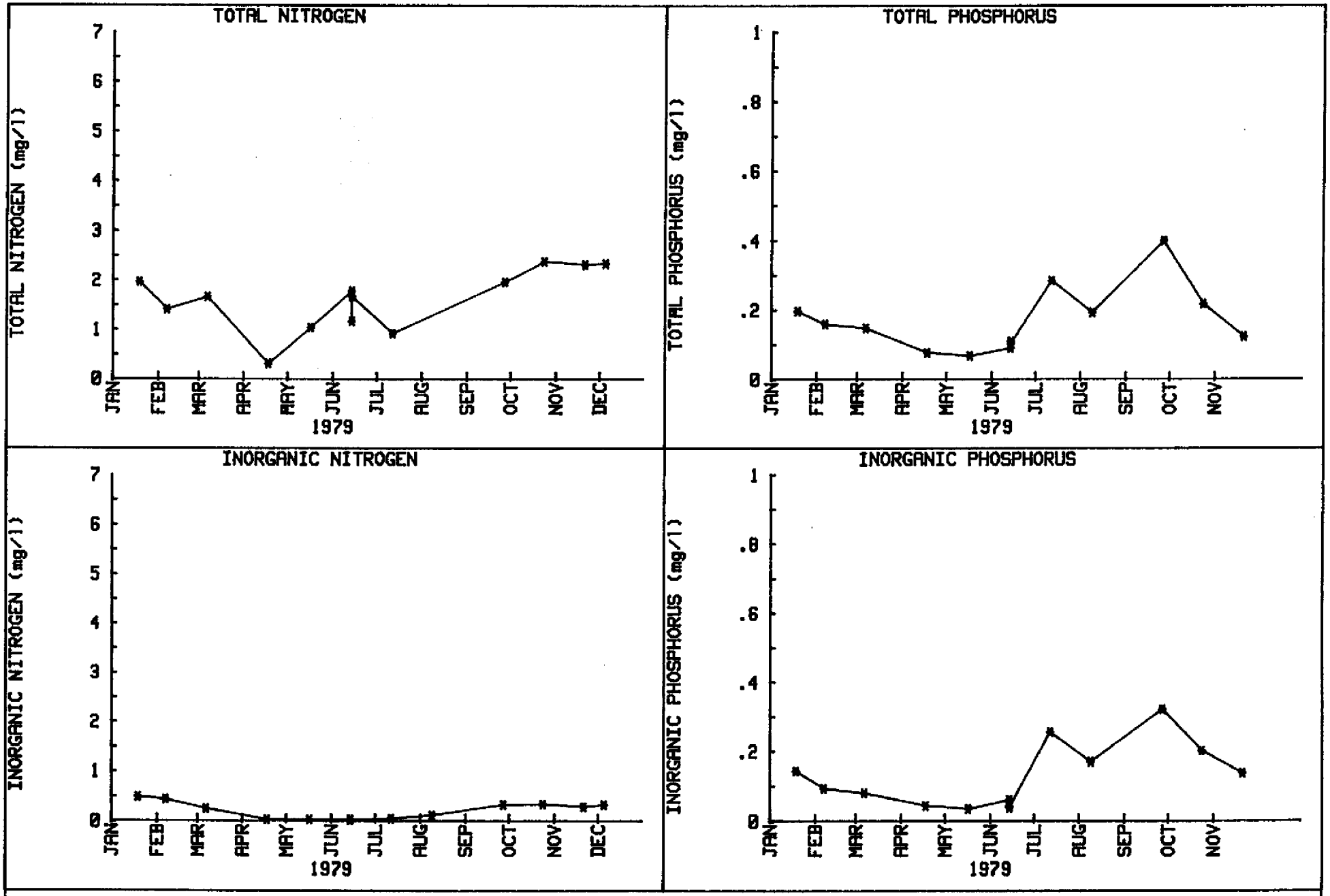


FIGURE 2-4. WATER QUALITY DATA VS TIME FOR C-23 AT S-48

Discrete total nitrogen concentrations in the U.E.C. Planning Area (Table 2-1) ranged from 0.31 mg/l (S-48) to 6.16 mg/l (S-80). Mean total nitrogen concentrations were highest on C-44 at S-80 and lowest on C-25 at S-50. The overall mean total nitrogen concentration for the U.E.C. area was 1.92 mg/l with a standard deviation (S.D.) of 0.42, indicating fairly uniform levels within the area. Total phosphorus concentrations ranged from 0.021 mg/l (S-50) to 0.528 mg/l (S-49). C-24 at S-99 had the highest mean phosphorus levels. The mean total phosphorus concentrations for all five stations was 0.180 mg/l with a S.D. of 0.059 .

The majority of the nitrogen measured in the U.E.C. Planning Area was in the form of organic nitrogen whereas inorganic phosphorus was the dominant phosphorus component. The majority of the land use in the U.E.C. Planning Area is agricultural (Table 2-2) and, therefore, the relative differences between the inorganic nitrogen and inorganic phosphorus found in the water might be due to management techniques used in these areas.

Additional results of chemical analyses for the five water quality monitoring stations in the U.E.C. Planning Area are given in Appendix B.

Program Modification

Both structures on C-25 (S-50 and S-99) were sampled during 1979. Due to this sampling, it was observed that higher concentrations of nitrogen and phosphorus passed through S-99 than did through S-50. Canal 23 (C-23) also has two water control structures on it (S-48 and S-97). Water quality on C-23 was monitored only at S-48. Starting in January 1981, S-97 will be sampled also. This additional structure will be sampled for one year only.

TABLE 2-2 LAND USE AND LAND COVER INVENTORY FOR SEVERAL BASINS IN THE UPPER EAST COAST PLANNING AREA[1]

Classification[2]	Basins C-44	%	C-23	%	C-24	%	C-25	%	Total	%
Urban	9173	5	1361	1	5059	5	630	1	16223	3
Agriculture	101085	56	66118	62	65059	61	74069	73	306366	62
Rangeland	755	<1	281	<1	704	<1	1470	1	3210	<1
Forested Uplands	20617	12	14838	14	18962	18	9933	10	64350	13
Wetlands	37508	21	23580	22	15783	15	15389	15	92260	19
Water	9799	6	281	<1	857	1	99	<1	11036	2
Barren Land	130	<1	226	<1	75	<1	46	<1	477	<1
Total Acrea (acres)	179067		106685		106534		101636		493922	

[1]Taken from Land Resources Divisions U.E.C. 1979 Existing Land Use and Cover Inventory.

[2]Areas within each classification are in acres.

S.F.W.M.D. WATER QUALITY MONITORING NETWORKS

Part 3

The Lower East Coast (L.E.C.) Monitoring Network

Introduction

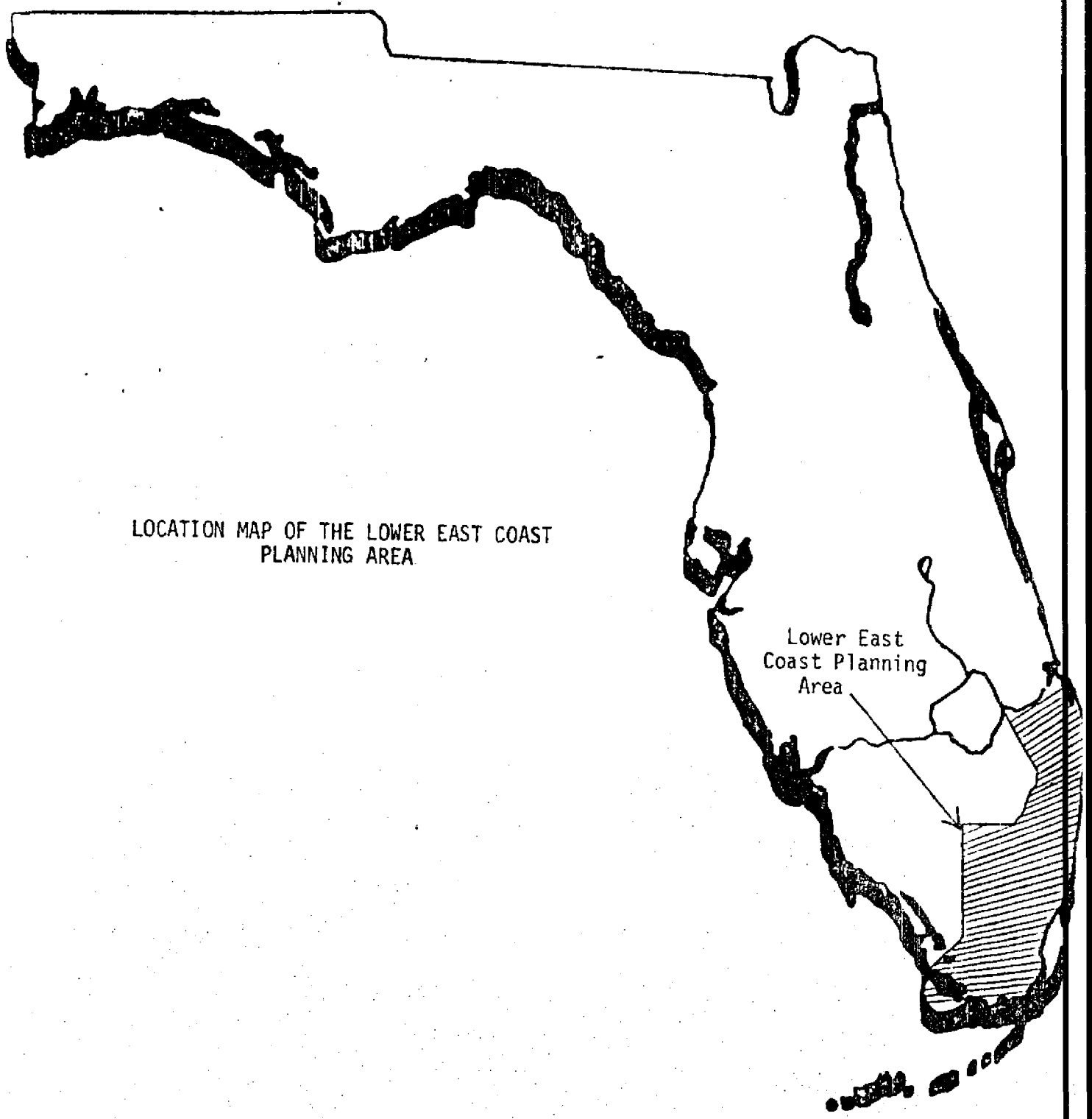
Figure 3-1 illustrates the location of the Lower East Coast Planning Area. A water quality monitoring network was established over part of this planning area in January 1979. The primary purpose of this network was to gather baseline water quality data which can be used to evaluate alternative concepts for improving water supplies in this area as part of the Lower East Coast Water Use Plan.

The purpose of this report is to document the baseline water quality data collected within the Lower East Coast Planning Area from January through December 1979.

Materials and Methods

Figure 3-2 illustrates the location of the ten water quality monitoring stations within the L.E.C. Planning Area. These ten stations were sampled on a monthly basis. Samples collected at these sites were routinely analyzed for NO_x, NO_2, NH_4, TKN, T-PO_4, O-PO_4, TOC, turbidity and color in addition to the *in situ* measurements (i.e. temp., pH, cond., and D.O.) which were made with a Hydrolab Surveyor(R). Suspended solids were measured monthly at S-44 in addition to the routine variables mentioned above.

Twice a year (February and August) additional analyses were performed at each station for SO_4, Cl, alkalinity, Na, K, Ca, Mg, total Fe, suspended solids, hardness and dissolved trace metals.



LOCATION MAP OF THE LOWER EAST COAST
PLANNING AREA

FIGURE 3-1

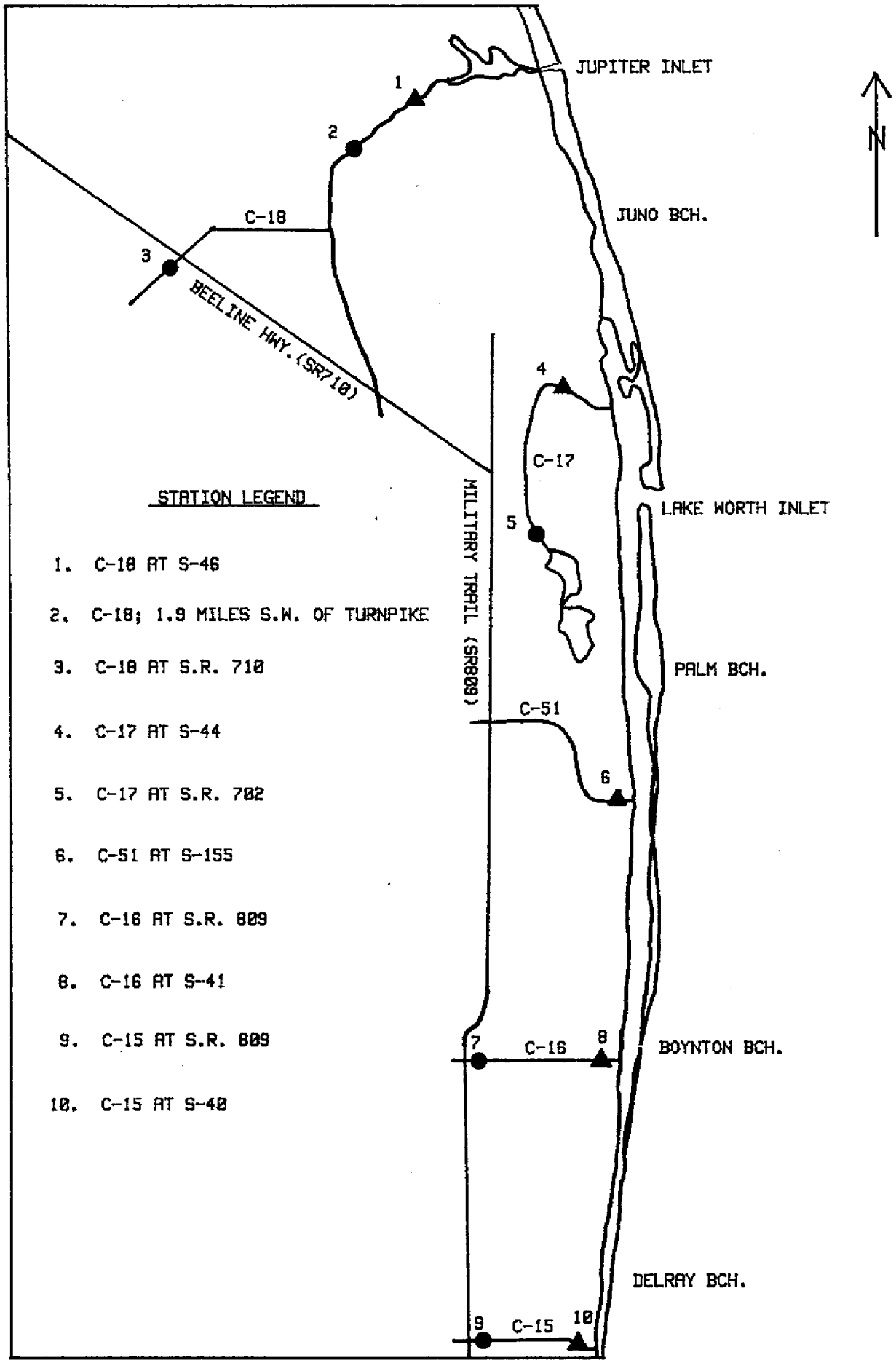


FIGURE 3-2 WATER QUALITY MONITORING STATIONS WITHIN THE L.E.C. PLANNING AREA

Results and Discussion

Figure 3-3 displays the seasonal variation of several field variables which were measured on C-18 at S-46. Since the water quality trends at this station are representative of the trends at the other stations within the Lower East Coast Planning Area, similar figures for the other stations within this planning area may be found in Appendix C. The mean temperature for all ten stations was 25.2°C with a standard deviation (S.D.) of 0.3. A classical, seasonal pattern of variation, which closely approximates a sine function, is evident for temperature measurements in this planning area. The standard deviation of the mean values for this area, however, indicates that any areal variation in temperature over the planning area is negligible.

The specific conductance (Table 3-1) ranged from 174 µmhos/cm (C-18 at S.R. 710) to 842 µmhos/cm (C-51 at S-155). The mean conductance over the entire planning area was 488 µmhos/cm. Moderate areal variation in specific conductivity values is indicated by the standard deviation of the mean conductivity values for the ten stations (S.D. = 90). There was slightly more seasonal variation at each station (Table 3-1) than there was areal variation over all stations. Conductivities were higher during the wet season than during the dry season (Figure 3-3). From reviewing the data values, it appears that most of the areal variation was due to the relatively high mean conductance at S-155 on C-51. With the exception of C-18, there appears to be no significant differences between locations on the same canal(s). On C-18, the conductivity is somewhat lower at the western extreme (S.R. 710) than at the downstream stations near the turnpike or at S-46.

Dissolved oxygen (D.O.) concentrations (Table 3-1) fluctuated from 2.6 mg/l (C-18 at S.R. 710) to 10.4 mg/l (S-46). Overall, the mean

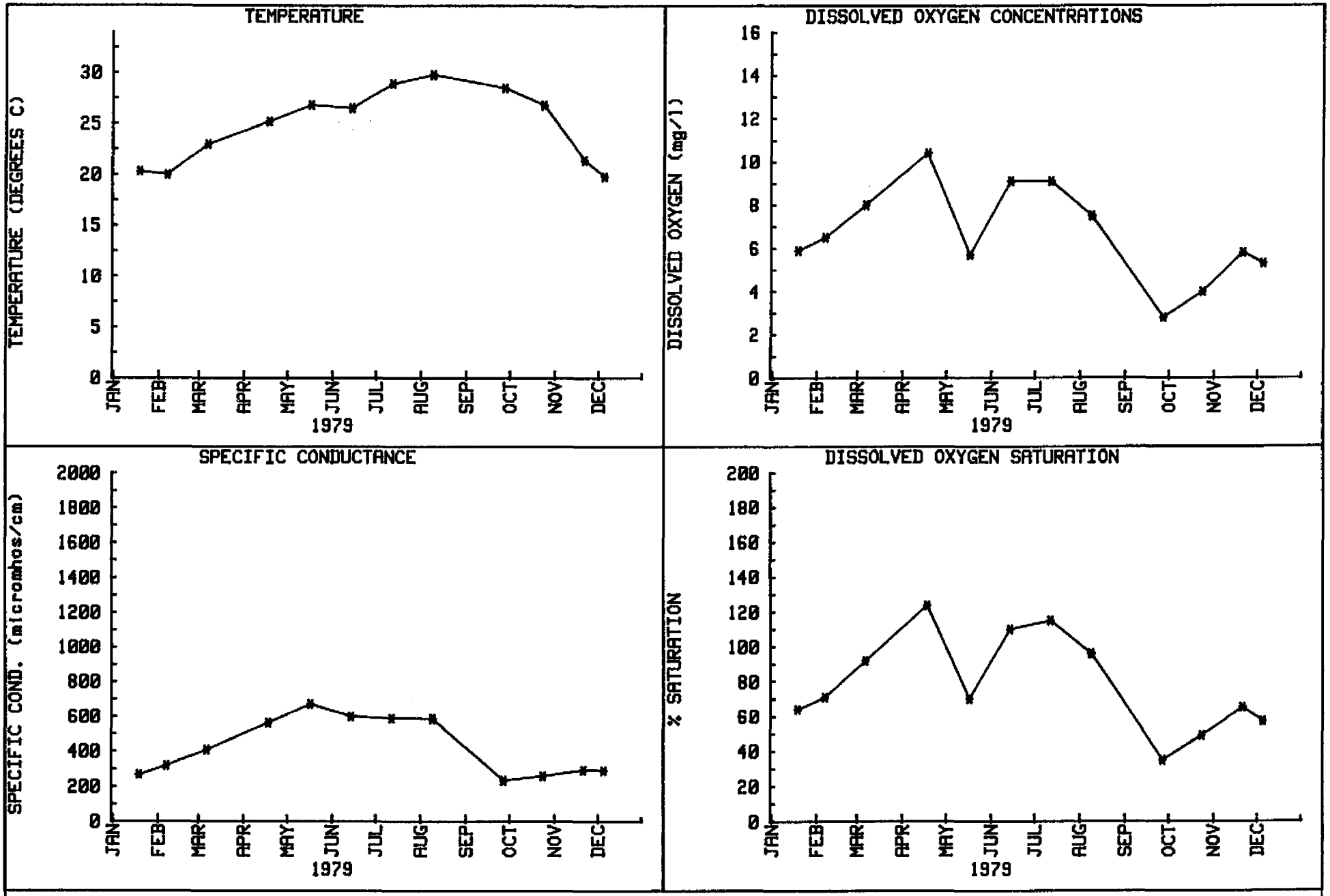


FIGURE 3-3 . FIELD DATA VS TIME FOR C-18 AT S-46

TABLE 3-1 RESULTS OF ANALYSES FOR ROUTINE WATER QUALITY VARIABLES[1]

	Temperature				Dissolved Oxygen				Sp. Cond.			
Location	Mean	S.D.	Min.	Max.	Mean	S.D.	Min.	Max.	Mean	S.D.	Min.	Max.
C18 @ S46	24.8	3.7	19.8	29.8	6.7	2.2	2.8	10.4	424	165	235	672
C18 (W of Turnpike)	25.6	3.9	20.4	30.7	6.5	1.6	3.5	8.8	439	172	235	700
C18 @ S.R. 710	25.3	3.4	19.9	30.5	5.0	1.4	2.6	6.6	346	153	174	580
C17 @ S44	25.1	3.6	20.1	30.4	6.4	1.7	4.0	9.7	545	56	465	630
C17 @ S.R. 702	25.3	3.0	20.9	31.1	5.4	1.3	2.7	7.2	498	84	360	610
C51 @ S155	24.8	3.6	20.1	29.9	4.8	1.0	2.9	6.7	685	107	510	842
C16 @ S.R. 809	25.7	4.0	20.7	31.1	5.7	1.5	3.1	7.5	529	109	400	755
C16 @ S41	25.1	3.7	20.3	30.1	5.8	1.8	3.2	9.1	488	121	350	815
C15 @ S.R. 809	25.4	3.7	20.9	31.3	6.7	0.9	4.9	8.2	482	106	390	750
C15 @ S40	25.0	3.8	20.5	30.2	6.8	1.5	4.1	8.9	441	58	380	595
Mean	25.2				6.0				488			
S.D.	0.3				0.7				90			

[1] Units of measurement are as follows: Temp (C^{o}), D.O. (mg/l), Sp. Cond. (μmhos/cm), Nutrients (mg/l as N or P).

TABLE 3-1 (Continued)

	Inorganic-N				Total N		
Location	Mean	S.D.	Min.	Max.	Mean	S.D.	Min.
C18 @ S46	0.10	0.07	0.01	0.21	1.51	0.60	0.37
S18 (W of Turnpike)	0.10	0.07	0.01	0.19	1.33	0.55	0.34
C18 @ S.R. 710	0.11	0.08	0.04	0.33	1.57	0.57	0.31
C17 @ S44	0.48	0.42	0.01	1.10	2.54	1.64	0.97
C17 @ S.R. 702	0.53	0.36	0.05	1.14	1.93	0.56	1.17
C51 @ S155	0.52	0.27	0.11	1.02	1.87	0.51	1.13
C16 @ S.R. 809	0.32	0.20	0.07	0.66	2.21	0.49	1.54
C16 @ S41	0.46	0.33	0.03	0.94	1.88	0.74	1.03
C15 @ S.R. 809	0.50	0.40	0.02	1.30	2.02	0.67	1.13
C15 @ S40	0.49	0.31	0.03	1.08	1.85	0.60	1.03
Mean	0.36				1.87		
S.D.	0.19				0.35		

	Ortho P				Total P			
Max.	Mean	S.D.	Min.	Max.	Mean	S.D.	Min.	Max.
2.58	0.011	0.017	0.002	0.062	0.033	0.023	0.018	0.101
2.10	0.008	0.009	0.002	0.033	0.033	0.016	0.013	0.061
2.32	0.005	0.005	0.002	0.018	0.030	0.019	0.012	0.079
6.62	0.034	0.035	0.002	0.103	0.090	0.037	0.021	0.159
2.83	0.008	0.008	0.002	0.027	0.072	0.021	0.044	0.120
2.88	0.064	0.038	0.026	0.162	0.111	0.047	0.057	0.209
3.27	0.208	0.167	0.065	0.628	0.394	0.249	0.109	0.835
3.60	0.119	0.097	0.002	0.333	0.190	0.098	0.085	0.407
3.09	0.146	0.156	0.009	0.616	0.201	0.150	0.031	0.543
2.87	0.147	0.122	0.042	0.422	0.221	0.128	0.088	0.507
	0.075				0.137			
	0.074				0.115			

dissolved oxygen concentration was 6.0 mg/l with a S.D. of 0.7. The D.O. saturation levels ranged from a low of 33% (C-17 at S.R. 702 and C-18 at S.R. 710) to a high of 124% (S-46). The mean saturation level for this region was 71% with a standard deviation 9. Figure 3-3 and Table 3-1 indicate significant temporal variation in dissolved oxygen concentrations throughout the year at all stations. However, no clearly defined seasonal pattern was evident. It does appear that temperature had some effect on the dissolved oxygen concentrations since, in several instances, the saturation level was attained in these canals. The D.O. concentations in C-15 and C-16 did not appear to substantially change down the length of the canals between S.R. 809 and the coastal structures (i.e. S-40, S-41, respectively). Dissolved oxygen concentrations did differ at different locations on C-17 and C-18, however. On C-18, for example, the dissolved oxygen concentration increased somewhat as the water moved from west to east along the canal. The change in concentration was larger between S.R. 710 and the turnpike, than between the turnpike and S-46. More detailed dissolved oxygen studies would be required before these dissolved oxygen patterns could be explained with a high degree of confidence.

Figures 3-4 thorough 3-8 graphically describe the seasonal variation in nitrogen and phosphorus concentrations at the coastal structures within the L.E.C. Planning Area. In general, inorganic nitrogen and phosphorus concentrations tended to decrease during the summer months. This pattern was not as well defined on C-51, C-15 and C-16 as it was on C-17 and C-18. Triplicate results of analyses were plotted on these graphs, when they occurred, in order to display a visual representation of the analytical variation within selected samples. Similar graphs for other monitoring stations within this area may be found in Appendix C.

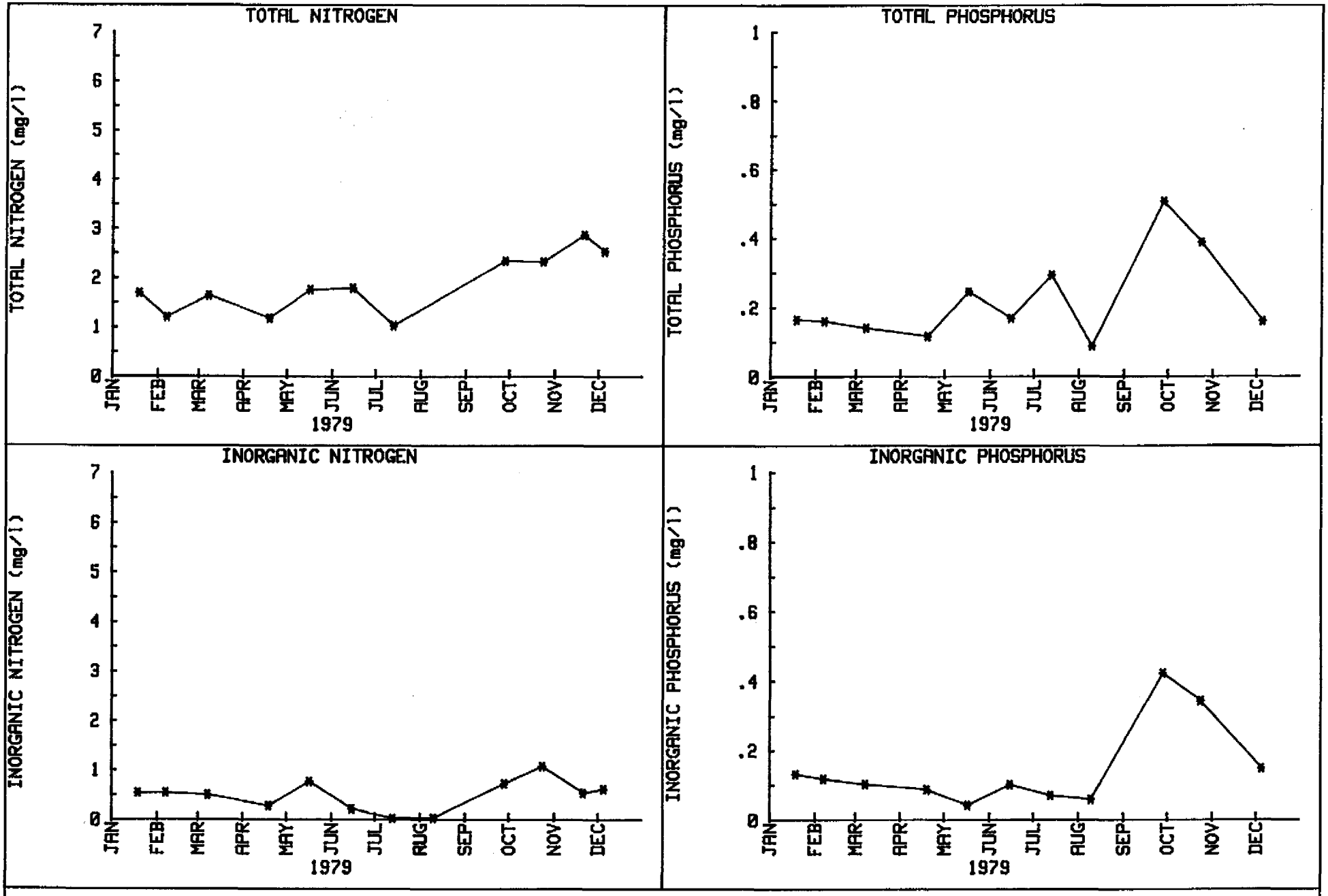


FIGURE 3-4. WATER QUALITY DATA VS TIME FOR C-15 AT S-40

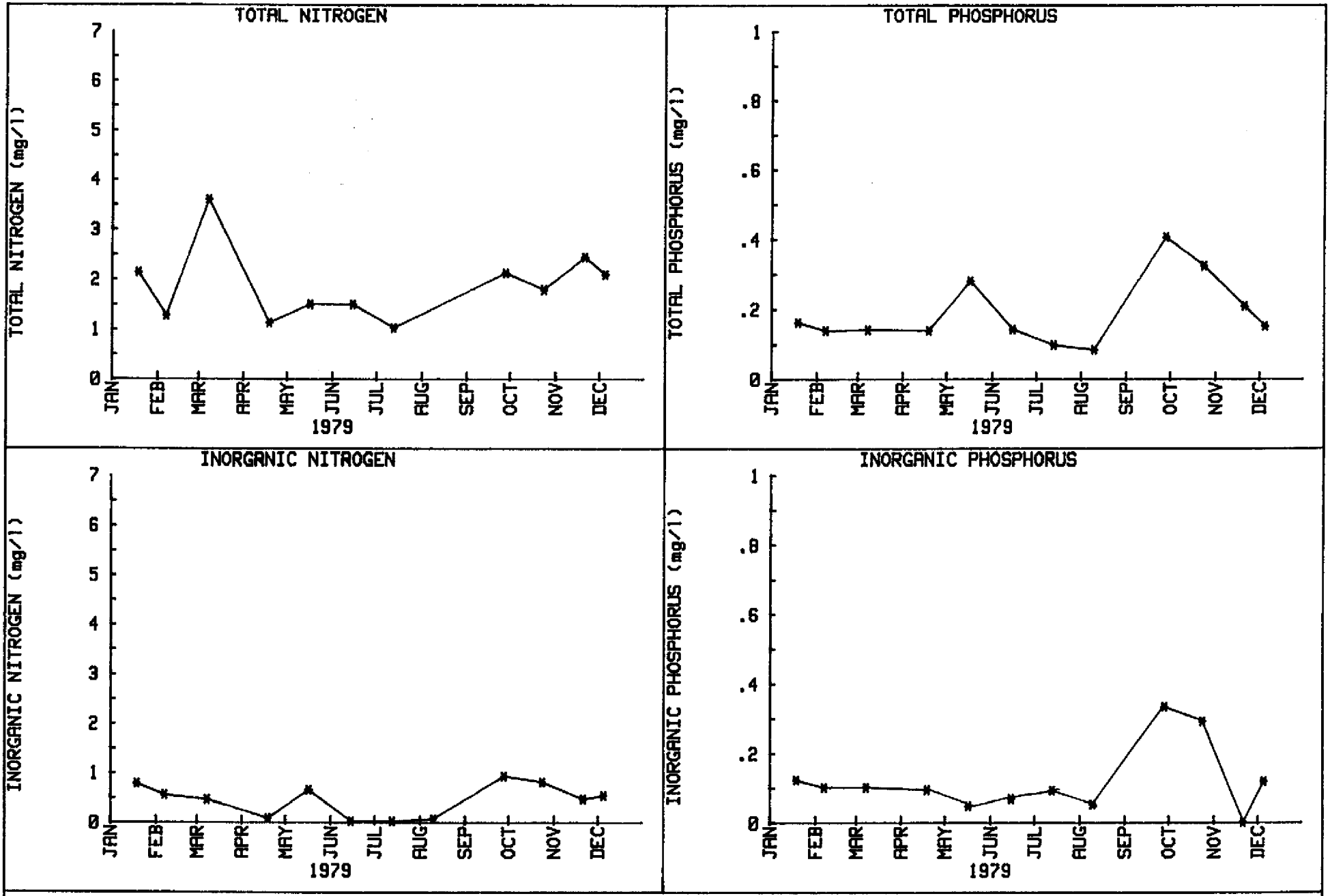


FIGURE 3-5 WATER QUALITY DATA VS TIME FOR C-16 AT S-41

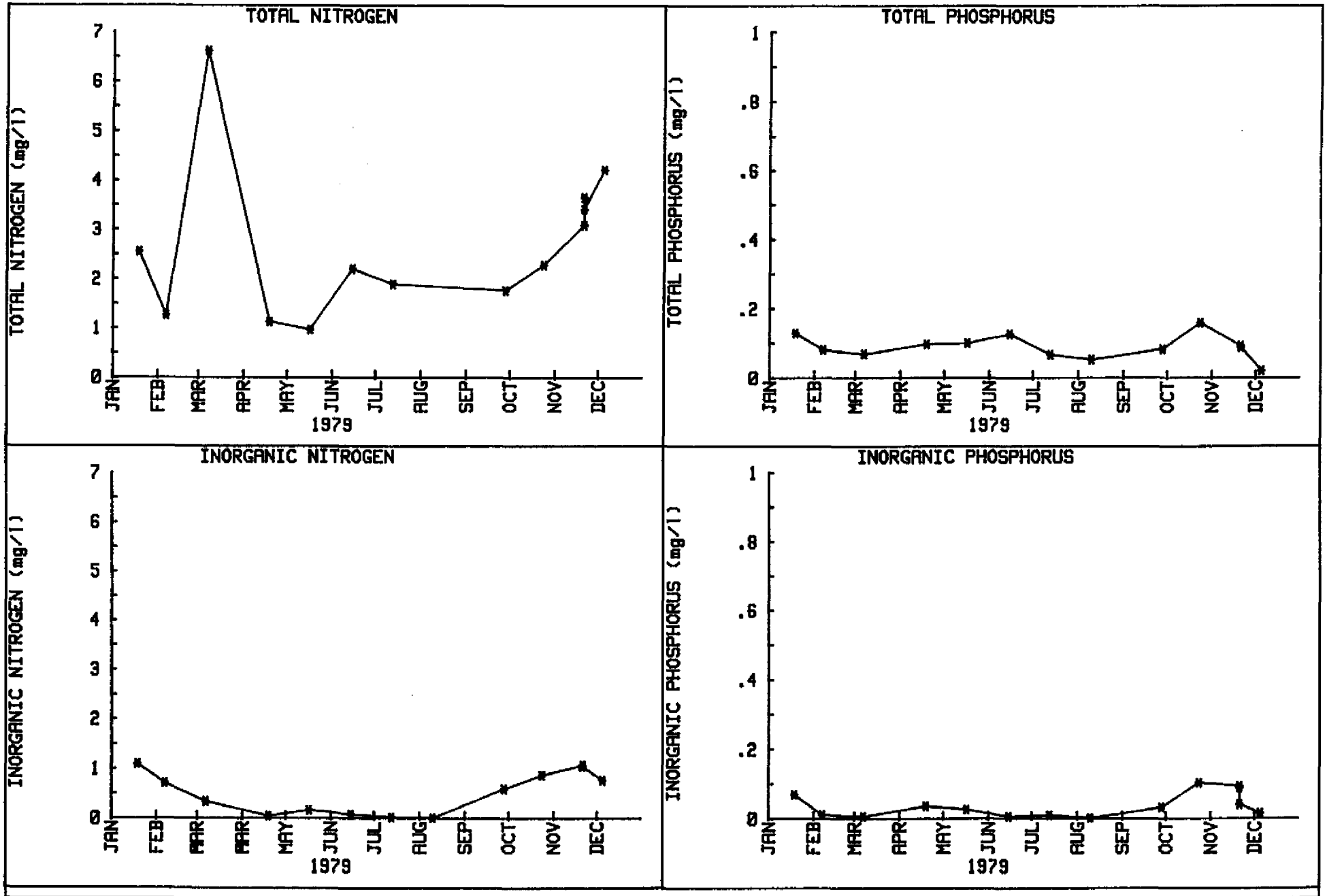


FIGURE 3-6 WATER QUALITY DATA VS TIME FOR C-17 AT S-44

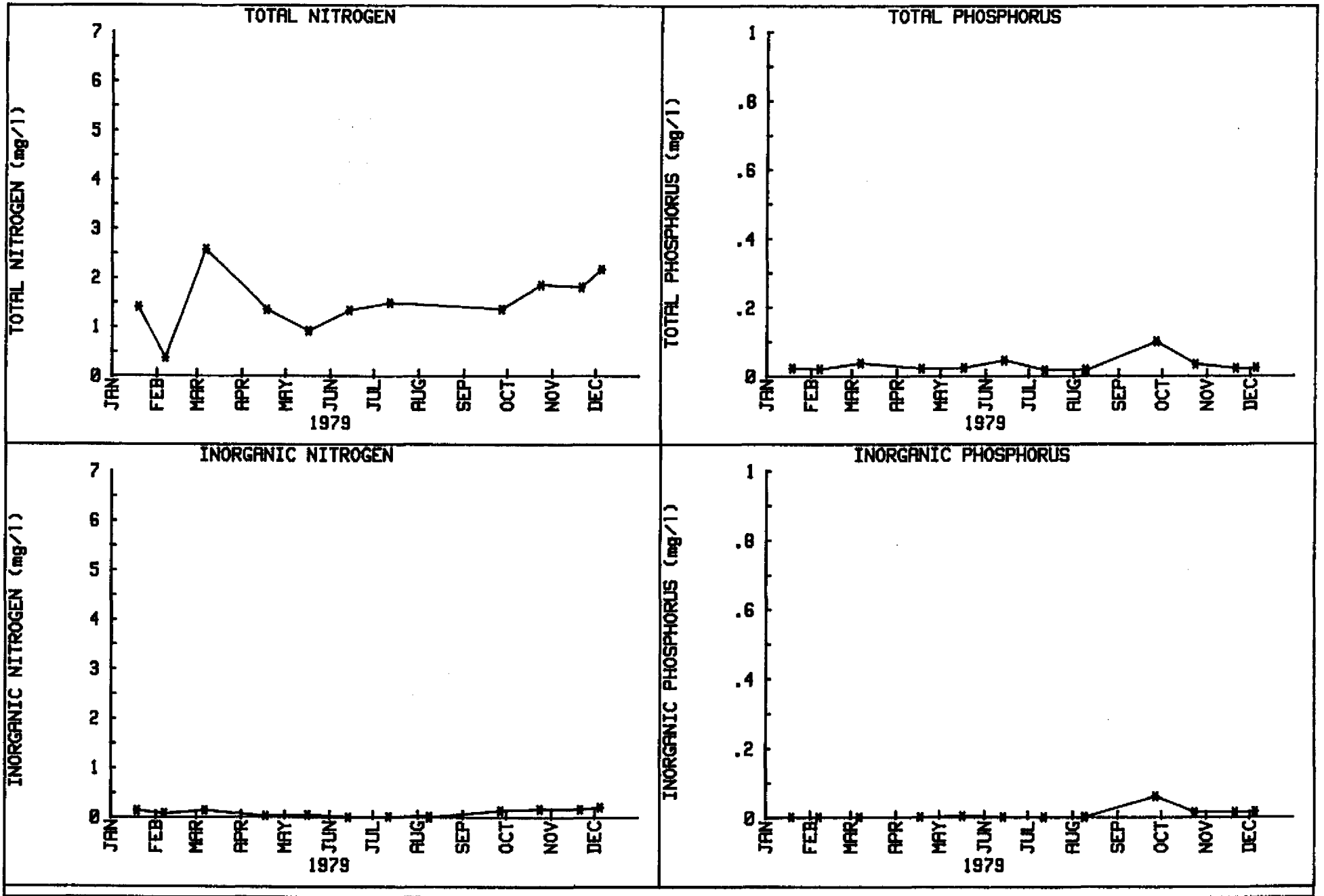


FIGURE 3-7 WATER QUALITY DATA VS TIME FOR C-18 AT S-46

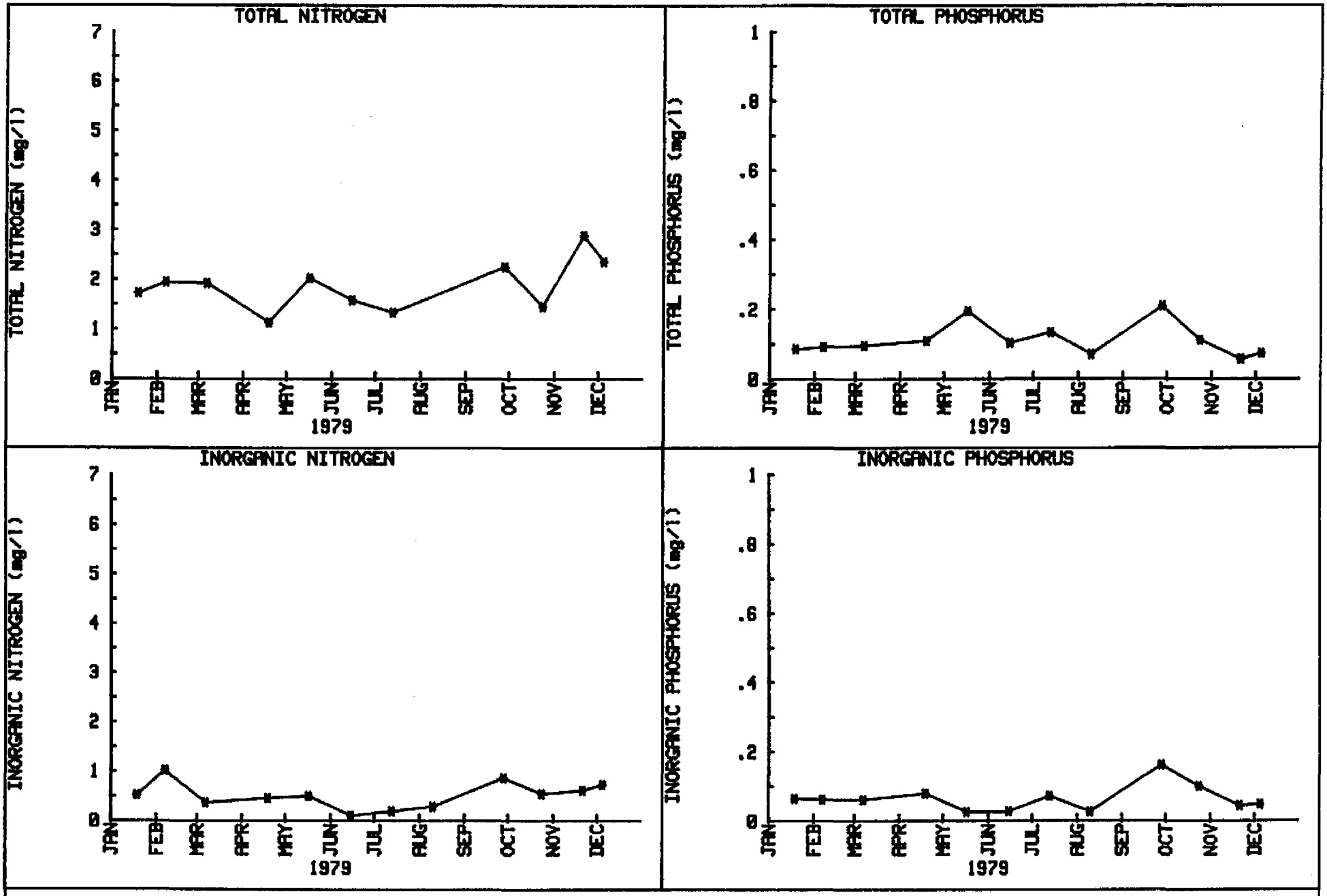


FIGURE 3-8 WATER QUALITY DATA VS TIME FOR C-51 AT S-155

Ranking the canals in the L.E.C. Planning Area according to their mean nutrient concentrations yields the following:

	Nitrogen[1,2]		Phosphorus[1,2]	
1.	C17	(2.24)	C16	(0.292)
2.	C16	(2.04)	C15	(0.211)
3.	C15	(1.94)	C51	(0.111)
4.	C51	(1.87)	C17	(0.081)
5.	C18	(1.47)	C18	(0.032)

(1) All values are in mg/l N or P

(2) The mean nutrient concentrations for C-15, C-16, C-17 and C-18 were an average of the concentrations at all stations within each canal.

It is evident from these rankings that C-18 had the best water quality based on these two variables. Canal 17 appeared to be polarized with the highest mean total nitrogen concentration and a mean total phosphorus concentration somewhat higher than C-18's. Discrete total nitrogen concentrations in the L.E.C. Planning Area (Table 3-1) ranged from 0.31 mg/l (C-18 at S.R. 710) to 6.62 mg/l (S-44). The overall mean total nitrogen concentration for this area was 1.87 mg/l (S.D. = 0.35). Total phosphorus concentrations (Table 3-1) ranged from 0.012 mg/l (C-18 at S.R. 710) to 0.835 mg/l (C-16 at S.R. 809). The mean total phosphorus concentration for the L.E.C. Planning Area was 0.137 mg/l with a standard deviation of 0.115. In C-16, at S.R. 809, the mean total phosphorus concentration (0.249 mg/l) was more than twice the concentration found at the coastal structure (S-41) further downstream (0.098 mg/l). This high level of phosphorus at S.R. 809 can possibly be attributed to a cattle ranch immediately upstream of this station. However, there are no data to confirm this. Nitrogen concentrations in C-16 were

slightly larger in the vicinity of S.R. 809, however, the difference between there and the coastal structure was probably not significant. Nitrogen concentrations at the two stations on C-15 were similar in nature to the concentrations found in C-16. Phosphorus levels on C-15 at S-40, however, were slightly higher than those found on C-16 at S-41 (Figures 3-4 and 3-5, Table 3-1). The nutrient concentrations in C-15 might be affected to some degree by runoff from the golf course which lies immediately downstream of the station at S.R. 809. Total nitrogen and phosphorus concentrations were fairly uniform at different locations within C-18. On C-17, however, the nitrogen and phosphorus concentrations were slightly higher at S-44 than at S.R. 702.

Nitrogen and phosphorus concentrations in the L.E.C. Planning Area displayed some noticeable trends with regards to the organic versus the inorganic fractions. At the three stations along C-18, the majority of the nitrogen and phosphorus present was in the organic form (Table 3-1). The organic fractions were fairly constant over the length of the canal. In C-17, C-16, C-15 and C-51 the majority of the nitrogen was still organic, however, the inorganic fraction was a higher proportion of the total concentration. With the exception of C-17, the inorganic phosphorus fraction was responsible for more than half of the phosphorus found in the latter four canals. This was substantially higher than the percentage of inorganic found in C-18. While the percentage of inorganic phosphorus present in the water in C-17 at S.R. 702 is relatively small, there was a significant increase in this fraction further downstream at S-44. This trend of an increasing inorganic nutrient fraction with regards to the organic fraction can possibly be attributed to more urban development in the C-17, C-16, C-15 and C-51 basins relative to the C-18 basin. Discrete results of analyses for routine water quality variables measured in the L.E.C. are given, by station in Appendix C.

Program Modifications

Beginning January 1981, only the coastal structures will be monitored on C-17, C-16, and C-15.

S.F.W.M.D. WATER QUALITY MONITORING NETWORK

PART FOUR

The Lower West Coast (L.W.C.) Monitoring Network

Introduction

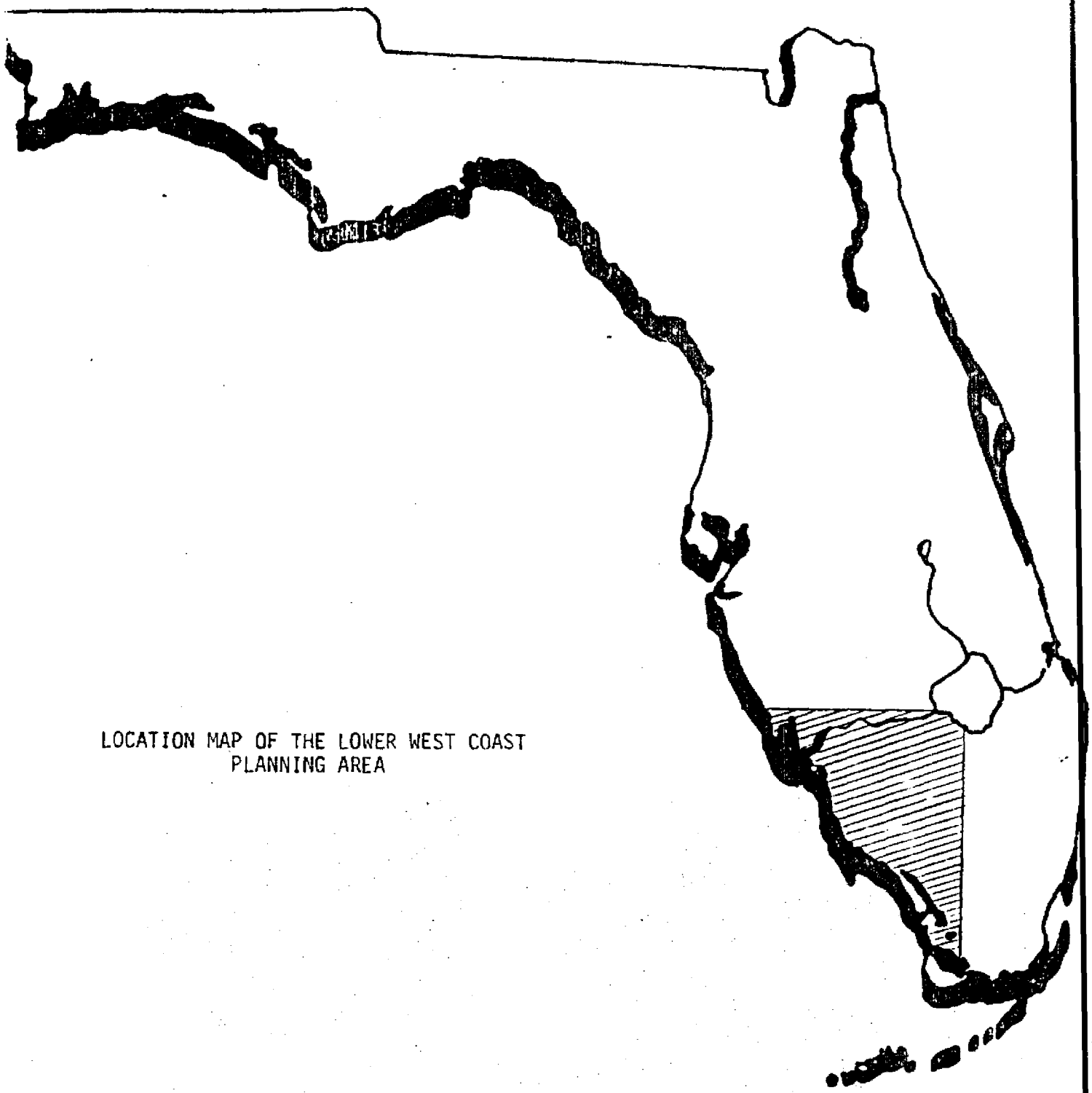
Figures 4-1 and 4-2 illustrate the location of the Lower West Coast Planning Area and the locations of the major drainage basins. Current water quality investigations in this area include an intensive study on the Caloosahatchee River as well as a baseline monitoring network over the entire planning area. The intensive study effort on the Caloosahatchee River began in January 1978 and is scheduled to be completed in December 1980. Since the Caloosahatchee River basin covers a specific area of the L.W.C. Planning Area, the water quality monitoring network was established in order to obtain data from other surface waters. The monitoring network was implemented in January 1979. A comprehensive literature review of historical water quality investigations within the L.W.C. Planning Area may be found in Volume III C of the S.F.W.M.D.'s Lower West Coast Water Use and Supply Development Plan (April 1980).

The purpose of this report is to document the first year of operation of the L.W.C. Water Quality Monitoring Network.

Materials and Methods

Figure 4-3 illustrates the location of the 19 monitoring stations within the Lower West Coast Planning Area. Table 4-1 contains the map legend for this Figure.

All 19 stations were sampled on a monthly basis beginning in January 1979. Samples collected at these sites were routinely analyzed for NO_x, NO_2, NH_4, TKN, $T\text{-}PO_4$, $O\text{-}PO_4$, TOC, turbidity, and color in addition to the *in situ* measurements (i.e. temp., pH, cond., and D.O.) which were made with a Hydrolab Surveyor(R).



LOCATION MAP OF THE LOWER WEST COAST
PLANNING AREA

FIGURE 4-1

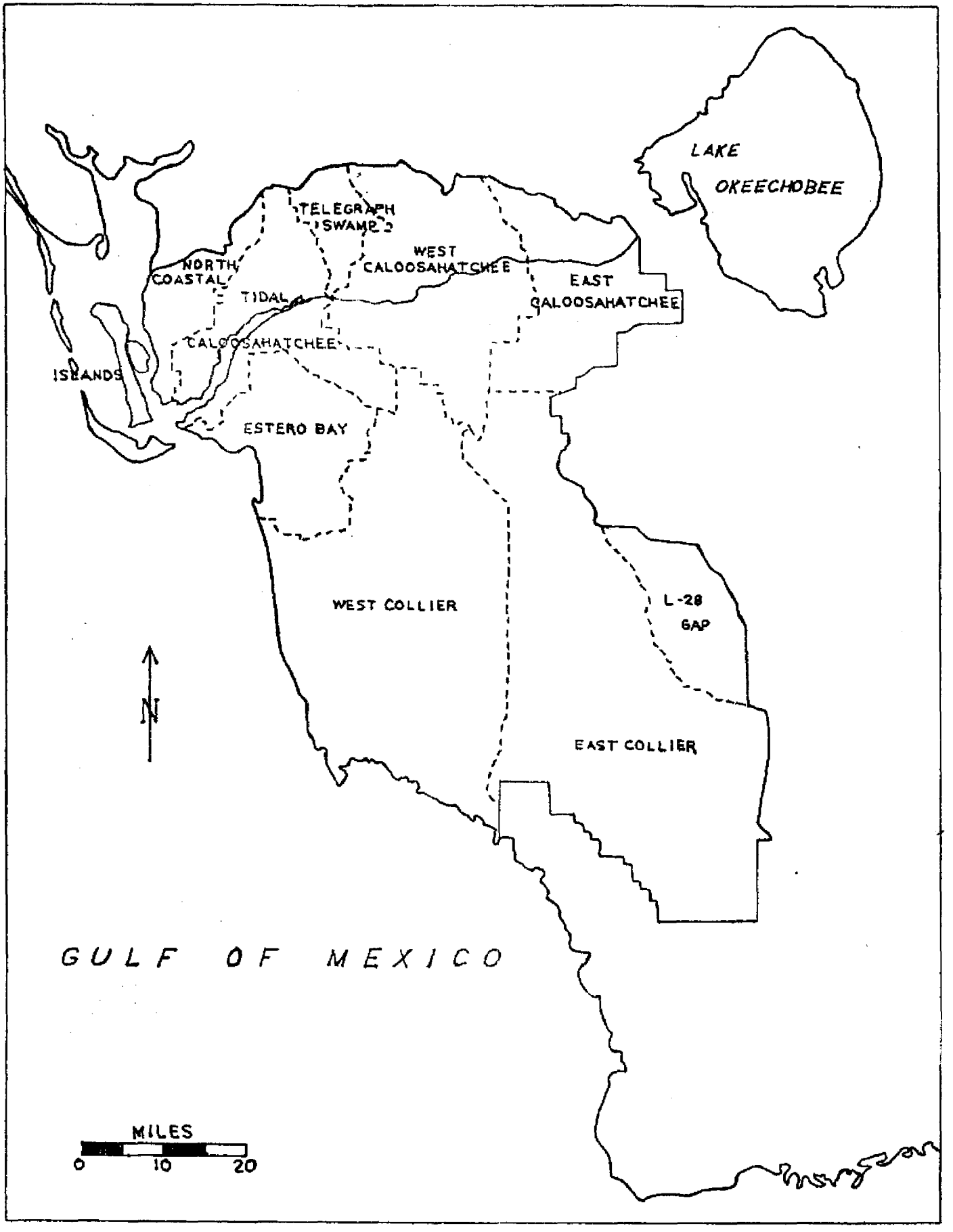


FIGURE 4-2 SURFACE WATER DRAINAGE BASINS
LOWER WEST COAST PLANNING AREA

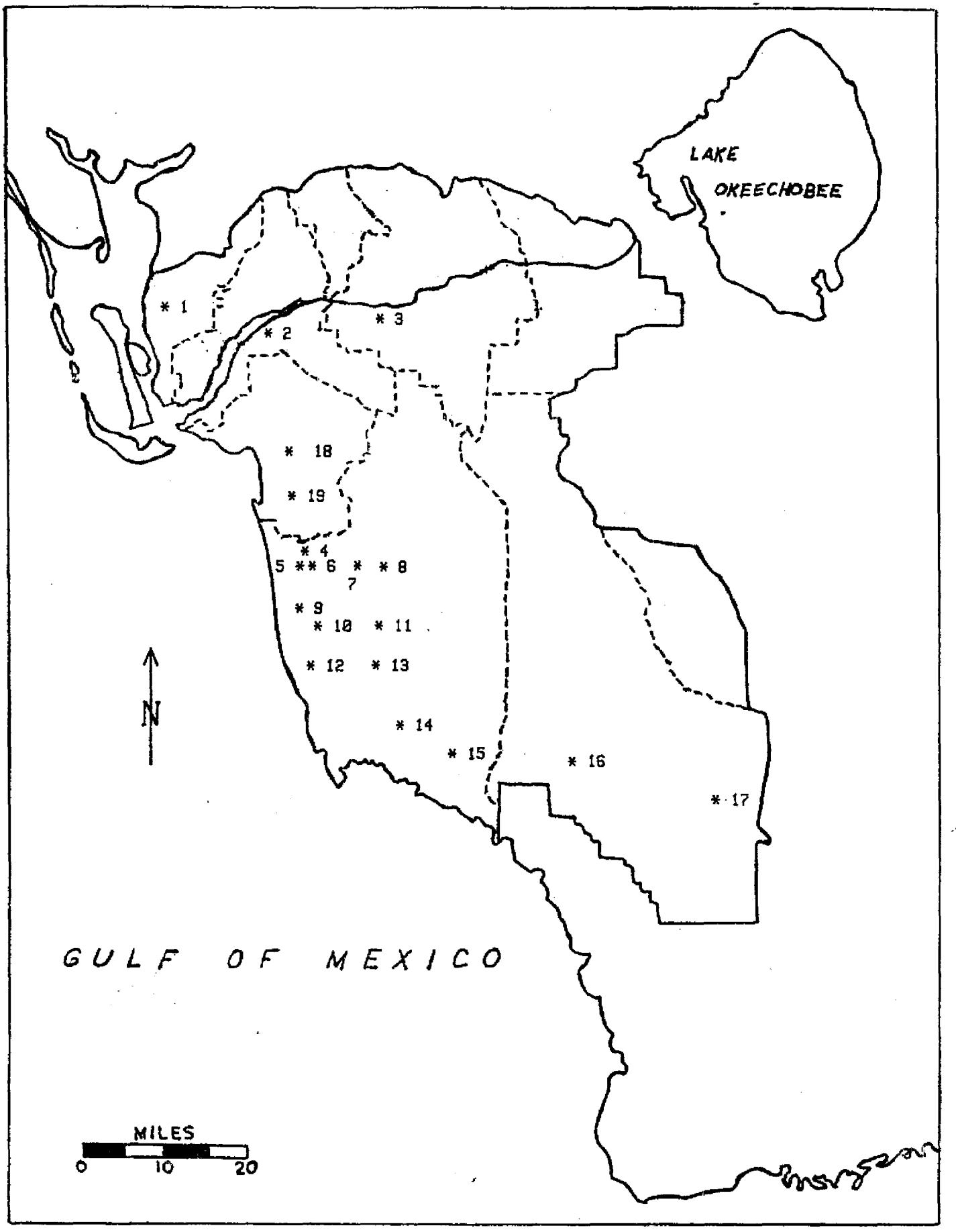


FIGURE 4-3 STATION LOCATIONS WITHIN THE L.W.C. PLANNING AREA

TABLE 4-1 LEGEND FOR FIGURE 4-3

Map Legend	S.F.W.M.D. Station I.D.	Location
1	GATORSLU	Gator Slough at S.R. 765 near Matlacha
2	BILLYCRK	Billy Creek near the Ft. Myers Southern Railway Bridge near S.R. 80 in Ft. Myers
3	ORANGE	Orange River near Buckingham
4	WCOCORIV	West Branch of the Cocohatchee River at S.R. 846 near Palm River Shores
5	NNAPLES	North Naples Canal near S.R. 846 (upstream of weir) near Palm River Shores
6	ECOCORIV	East Branch of the Cocohatchee River at S.R. 846 near Palm River Shores
7	COCEOF31	Cocohatchee Canal at S.R. 846, 1/2 mile east of S.R. 31
8	COCAT951	Cocohatchee Canal at the junction of S.R. 951 and S.R. 846
9	GORAT886	Gordon River at S.R. 886 (downstream of weir)
10	GORAT31	Gordon River (Golden Gate Canal) at S.R. 31 (upstream of weir)
11	GGCAT951	Golden Gate Canal at S.R. 951
12	LELY	Lely Canal at U. S. 41
13	HENDCRK	Henderson Creek Canal at S.R. 951
14	FAKA	Faka Union Canal, upstream of U.S. 41 and weir at Remuda Ranch
15	BARRON	Barron River at S.R. 29 near Copeland
16	TAMBR84	Tamiami Canal at the intersection of S.R. 839 and U.S. 41 east of Ochopee
17	TAMBR105	Tamiami Canal at Bridge #105 on U.S. 41 east of Monroe Station
18	ESTERO	Estero River at S.R. 45 near Estero
19	IMPERIAL	Imperial River at S.R. 45 near Bonita Springs

Twice a year (February and August) additional analyses were performed at each station for SO_4, Cl, alkalinity, Na, K, Ca, Mg, total Fe, suspended solids, hardness and dissolved trace metals.

Results and Discussion

Temperatures in the Lower West Coast Planning Area ranged from 15.0°C at the Estero River to 32.1° at the North Naples Canal. The mean temperature for all nineteen stations was 24.3° C with a standard deviation (S.D.) of 0.7. As expected, temperature measurements in the L.W.C. Planning Area show a distinct pattern of seasonal variation. The low standard deviation of the mean values indicates a minimal amount of areal variation within this planning area.

Specific conductance ranged from 61 μmhos/cm (Cocohatchee R. at S.R. 951) to 16,000 μmhos/cm (Imperial River). The mean conductance over the entire planning area was 1201 μmhos/cm. A standard deviation of 1094 was indicative of a great deal of temporal variation within this planning area. Standard deviations greater than the mean value indicated extreme seasonal variability on the Cocohatchee, Imperial and Estero Rivers (Table 4-2). The high degree of variability at these stations was a function of tidal interaction as well as rainfall due to the lack of control structures on these tributaries.

Dissolved oxygen (D.O.) concentrations fluctuated from 0.7 mg/l (Tamiami Canal at Bridge #105) to 15.1 mg/l (Faka Union Canal). Overall, the mean dissolved oxygen concentration was 5.2 mg/l with a S.D. of 1.8, indicating that there was a moderate amount of temporal variation within the planning area. Dissolved oxygen concentrations did illustrate a large degree of variation at each station throughout the year (Table 4-2). The West branch of the Cocohatchee River and Henderson Creek both had standard

TABLE 4-2. RESULTS OF ANALYSES FOR ROUTINE WATER QUALITY VARIABLES[1]

Station	Temperature				Dissolved Oxygen				Specific Conductance			
I.D.	mean	S.D.	min	max	mean	S.D.	min	max	mean	S.D.	min	max
GATORSLU	24.9	4.2	17.7	29.8	8.4	1.9	4.7	10.6	576	141	240	820
BILLYCRK	24.1	3.6	17.3	27.7	5.1	2.7	1.6	9.8	2633	1692	950	6780
ORANGE	23.8	3.1	17.3	27.0	6.1	1.6	3.5	9.2	725	228	440	1400
WCOCORIV	24.1	3.3	18.3	29.5	3.0	1.8	1.1	7.1	2019	3171	180	12000
NNAPLES	25.6	4.9	16.6	32.1	7.0	2.3	3.6	10.8	884	144	635	1080
ECOCORIV	24.3	3.9	17.5	29.8	5.2	2.1	2.1	8.4	1787	2466	400	8100
COCEOF31	25.2	2.5	21.7	29.2	6.6	2.4	2.2	9.1	621	156	255	790
COCAT951	24.9	3.1	21.5	30.5	4.4	1.6	1.2	5.9	541	178	61	700
GORAT886	23.1	3.8	16.6	28.5	2.4	1.2	1.1	4.7	1548	979	588	3300
GORAT31	24.8	3.7	17.4	29.3	5.4	1.9	2.9	8.4	584	102	310	701
GGCAT951	24.1	2.8	19.0	28.2	4.0	1.6	1.5	6.5	594	60	475	680
LELY	24.8	3.4	18.0	28.8	6.0	2.2	2.7	9.0	849	117	678	1059
HENDCRK	24.4	2.8	18.1	27.3	4.4	2.7	1.0	11.2	895	228	338	1200
FAKA	24.4	4.3	17.0	30.0	8.7	4.6	2.3	15.1	559	151	250	750
BARRON	23.9	3.2	18.8	30.0	3.8	1.0	2.4	5.5	515	96	315	645
TAMBR84	23.9	2.8	19.5	27.5	4.0	1.4	2.1	7.3	387	76	241	472
TAMBR105	23.0	3.5	17.7	27.0	2.2	0.9	0.7	3.4	333	75	215	472
ESTERO	23.9	3.7	15.0	28.5	5.9	2.5	2.7	13.1	1948	2183	218	7800
IMPERIAL	24.7	4.6	15.7	31.5	5.6	1.6	2.8	7.9	4814	5596	210	16000
MEAN	24.2				5.2				1201			
STD. DEVIATION	0.7				1.8				1094			

(1) Units are: temp (C^{o}), D.O. (mg/l) and specific conductance (μmhos/cm)

TABLE 4-2 (CONTINUED) RESULTS OF ANALYSES FOR ROUTINE WATER QUALITY VARIABLES[2]

Station I.D.	Ortho P				Total P			
	mean	S.D.	min	max	mean	S.D.	min	max
GATORSLU	0.003	0.002	0.002	0.008	0.013	0.013	0.003	0.053
BILLYCRK	0.164	0.071	0.031	0.269	0.227	0.041	0.171	0.295
ORANGE	0.016	0.014	0.005	0.055	0.059	0.079	0.015	0.299
WCOCORIV	0.941	0.596	0.269	2.298	1.283	0.610	0.507	2.640
NNAPLES	0.020	0.046	0.002	0.163	0.123	0.272	0.014	0.978
ECOCORIV	0.033	0.071	0.002	0.229	0.055	0.072	0.013	0.242
COCEOF31	0.008	0.016	0.002	0.059	0.027	0.025	0.002	0.098
COCAT951	0.003	0.002	0.002	0.007	0.017	0.013	0.004	0.039
GORAT886	0.018	0.023	0.002	0.074	0.045	0.028	0.013	0.114
GORAT31	0.005	0.004	0.002	0.013	0.016	0.007	0.009	0.032
GGCAT951	0.005	0.005	0.002	0.018	0.018	0.010	0.007	0.040
LELY	0.003	0.002	0.002	0.019	0.022	0.009	0.007	0.035
HENDCRK	0.002	0.000	0.002	0.002	0.014	0.010	0.003	0.042
FAKA	0.002	0.000	0.002	0.003	0.008	0.005	0.002	0.019
BARRON	0.004	0.003	0.002	0.011	0.016	0.006	0.009	0.027
TAMBR84	0.003	0.001	0.002	0.005	0.010	0.007	0.004	0.026
TAMBR105	0.005	0.004	0.002	0.015	0.030	0.027	0.009	0.099
ESTERO	0.012	0.014	0.002	0.048	0.040	0.024	0.015	0.085
IMPERIAL	0.011	0.010	0.002	0.028	0.040	0.020	0.020	0.072
MEAN	0.066				0.108			
STD. DEVIATION	0.215				0.289			

[2]Units are in mg/l as N or P

TABLE 4-2 (CONTINUED) RESULTS OF ANALYSES FOR ROUTINE WATER QUALITY VARIABLES[2]

Station I.D.	Inorganic N				Total N			
	mean	S.D.	min	max	mean	S.D.	min	max
GATORSLU	0.03	0.02	0.01	0.10	1.16	0.81	0.39	2.81
BILLYCRK	0.22	0.10	0.03	0.36	1.99	1.13	0.97	5.00
ORANGE	0.11	0.06	0.04	0.25	1.07	0.41	0.39	1.63
WCOCORIV	0.41	0.31	0.04	1.17	1.93	0.52	1.33	2.84
NNAPLES	0.04	0.06	0.01	0.23	1.40	0.40	0.89	2.18
ECOCORIV	0.07	0.05	0.01	0.13	1.44	0.86	0.10	3.33
COCEOF31	0.08	0.07	0.01	0.20	0.95	0.39	0.22	1.40
COCAT951	0.07	0.03	0.01	0.12	1.75	0.86	0.88	3.54
GORAT886	0.11	0.07	0.03	0.23	1.27	0.63	0.53	2.47
GORAT31	0.09	0.07	0.02	0.20	1.03	0.38	0.44	1.77
GGCAT951	0.09	0.06	0.03	0.22	1.08	0.33	0.58	1.77
LELY	0.07	0.07	0.02	0.27	1.32	1.06	0.50	4.33
HENDCRK	0.06	0.02	0.02	0.09	1.34	0.42	0.79	2.17
FAKA	0.03	0.02	0.01	0.09	1.08	0.68	0.48	2.43
BARRON	0.06	0.04	0.01	0.14	0.95	0.41	0.10	1.63
TAMBR84	0.03	0.02	0.01	0.07	1.05	0.74	0.23	2.88
TAMBR195	0.05	0.03	0.01	0.10	1.16	0.46	0.29	1.89
ESTERO	0.35	0.35	0.03	1.30	1.85	1.06	0.71	3.75
IMPERIAL	0.04	0.02	0.01	0.07	2.00	0.76	0.80	3.00
MEAN	0.10				1.36			
STD. DEVIATION	0.11				0.36			

[2]Units are in mg/l as N or P

deviations equal to greater than 60% of their mean values. The dissolved oxygen saturation levels ranged from a low of 8% (Tamiami Canal at Bridge #105) to a high of 191% (Faka Union Canal). The mean saturation level for this region was 60% with a standard deviation of 21. It appears that temperature had some effect on the D.O. concentrations since, in several instances, the saturation level was attained and exceeded in the canals within this planning area.

Ranking the canals in the L.W.C. Planning Area according to their mean nutrient concentrations yields the following[1,2].

	Nitrogen	Phosphorus
1.	IMPERIAL (2.00)	WCOCORIV (1.283)
2.	BILLYCRK (1.99)	BILLYCRK (0.227)
3.	WCOCORIV (1.93)	NNAPLES (0.123)
4.	ESTERO (1.85)	ORANGE (0.059)
5.	ECOCORIV (1.44)	ECOCORIV (0.055)
6.	NNAPLES (1.40)	GORAT886 (0.045)
7.	COCOHATCHEE CANAL[3] (1.35)	IMPERIAL, ESTERO[5] (0.040)
8.	HENDCRK (1.34)	TAMBR105 (0.030)
9.	LELY (1.32)	LELY, COCOHATCHEE CANAL[3,5] (0.022)
10.	GORAT886 (1.27)	GOLDEN GATE CANAL[4] (0.017)
11.	GATORSLU, TAMBR105[5] (1.16)	BARRON (0.016)
12.	FAKA (1.08)	HENDCRK (0.014)
13.	ORANGE (1.07)	GATORSLU (0.013)
14.	TAMBR84, GOLDEN GATE CANAL[4,5] (1.05)	TAMBR84 (0.010)
15.	BARRON (0.95)	FAKA (0.008)

(1) All values are in mg/l or P.

(2) Refer to Table 4-1 for the locations which correspond to these Station I.D.'s.

(3) This station represents an average of data points from COCAT951 and COCEOF31.

(4) This station represents an average of data point from GGCAT951 and GORAT31.

(5) These stations had the same mean annual concentrations.

The relatively narrow range of mean annual nitrogen concentrations (0.95 mg/l to 2.00 mg/l) and the concurrent low standard deviation (0.36), indicates moderately low areal variability in nitrogen concentrations in the L.W.C. area. The overall mean total nitrogen concentration for the L.W.C. area was 1.36 mg/l

Total phosphorus demonstrated a large degree of areal variability with mean concentrations ranging over two orders of magnitude. The mean total phosphorus concentration for the L.W.C. Planning Area was 0.108 mg/l with a standard deviation of 0.289. The standard deviation of the phosphorus concentrations was greater than 2.5 times the mean concentration. The station which was largely responsible for this high variability in the mean phosphorus concentrations was the west branch of the Cocohatchee River since the omission of data from this station reduces the standard deviation to only slightly greater than the mean concentration.

It is evident from the rankings and from land use data presented in Table 4-3, that some of the lower phosphorus values along the L.W.C. lie in areas which are relatively undeveloped (i.e. FAKA, TAMBR84). Several of the canals containing water with relatively high phosphorus concentrations (i.e. WCOCORIV and NNAPLES) are located in areas where the land use immediately adjacent to them is primarily agricultural (visual observation). These trends are similar to those found in the Lower East Coast Planning Area.

More than 90% of the nitrogen measured in the L.W.C. Planning Area was organic nitrogen while only 40% of the phosphorus was organic. When the phosphorus data from the west branch of the Cocohatchee River is omitted from the calculation of the mean phosphorus concentration, the fraction of organic phosphorus is increased to approximately 60% of the total phosphorus value.

TABLE 4-3 LAND USE AND LAND COVER INVENTORY FOR SEVERAL BASINS IN THE LOWER WEST COAST PLANNING AREA(1)

Classification	Urban	%	Agriculture	%	Rangeland	%	Forested Uplands	%	Wetlands	%	Water	%	Barren Land	%	Total Area
E. Caloos. Basin	1530	<1	116029	54	6214	3	14078	7	76451	35	1177	<1	654	<1	216133
W. Caloos. Basin	18993	6	182952	57	12902	4	64898	20	35299	11	1572	1	1637	1	318253
Tidal Caloos. B.	76603	35	57536	27	11956	5	34829	16	18221	8	17379	8	509	1	217033
Telegraph Swamp	12	<1	20147	34	6127	10	17810	30	15049	25	10	1			59155
N. Coastal Basin	26839	30	18086	20	469	1	19981	22	22336	25	546	1	825	1	89082
Estero Bay Basin	19288	10	33026	18	13161	7	52191	28	68201	36	907	<1	1176	<1	187950
E. Collier Basin	3252	<1	73276	10	1838	1	31209	4	656179	85	2985	<1	823	<1	769562
L-28 Gap Basin	513	<1	512	<1			2318	1			154176	98			157519
Island Basin	7950	17	791	2	2947	7	12348	28	18166	41	1252	3	895	2	44349
W. Collier Basin	137033	19	104653	15	8939	1	84996	12	323022	46	44242	6	1321	1	704206
Total	292013	10	607008	22	64553	2	334658	12	1232924	45	224246	8	7840	1	2763242

(1) Taken from Land Resources Division L.W.C. 1977 Existing Land Use and Cover Inventory

(2) Areas within each classification are in acres

Table 4-2 displays a summary of the results of analysis for routine water quality variables measured along the Lower West Coast. Figures 4-4 and 4-5 illustrate the seasonal variation of several water quality variables at a typical station which was monitored along the Lower West Coast. Triplicate results of analyses were plotted on the nutrient graphs (Figure 4-5) in order to display a visual representation of the analytical variation within selected samples. Additional results of chemical analyses for the nineteen water quality monitoring stations in this planning area may be found as summary tables and graphs in Appendix D.

Program Modification

The current monitoring program will terminate in December 1980 after two years of sampling.

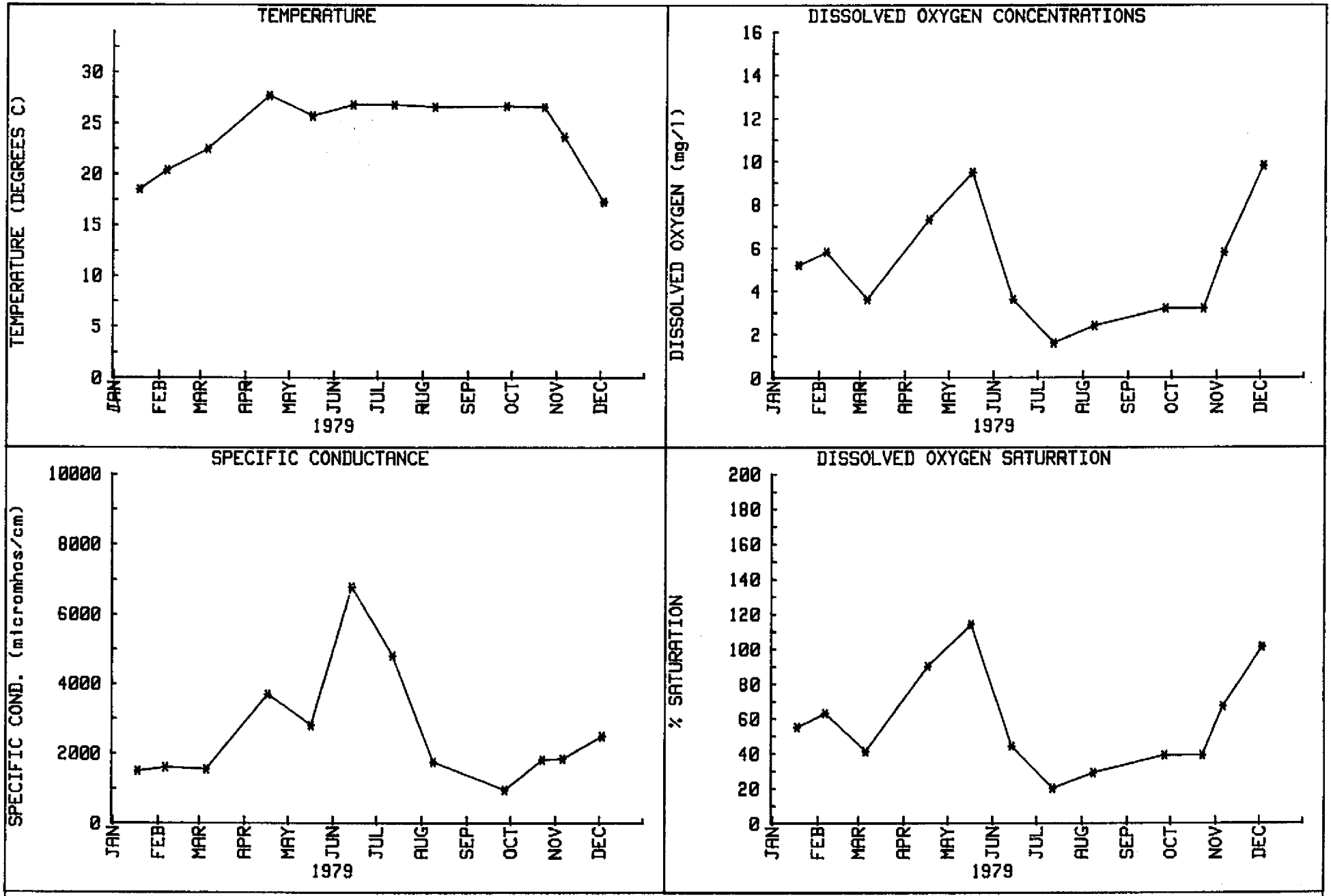


FIGURE 4-4. FIELD DATA VS TIME FOR BILLY CREEK

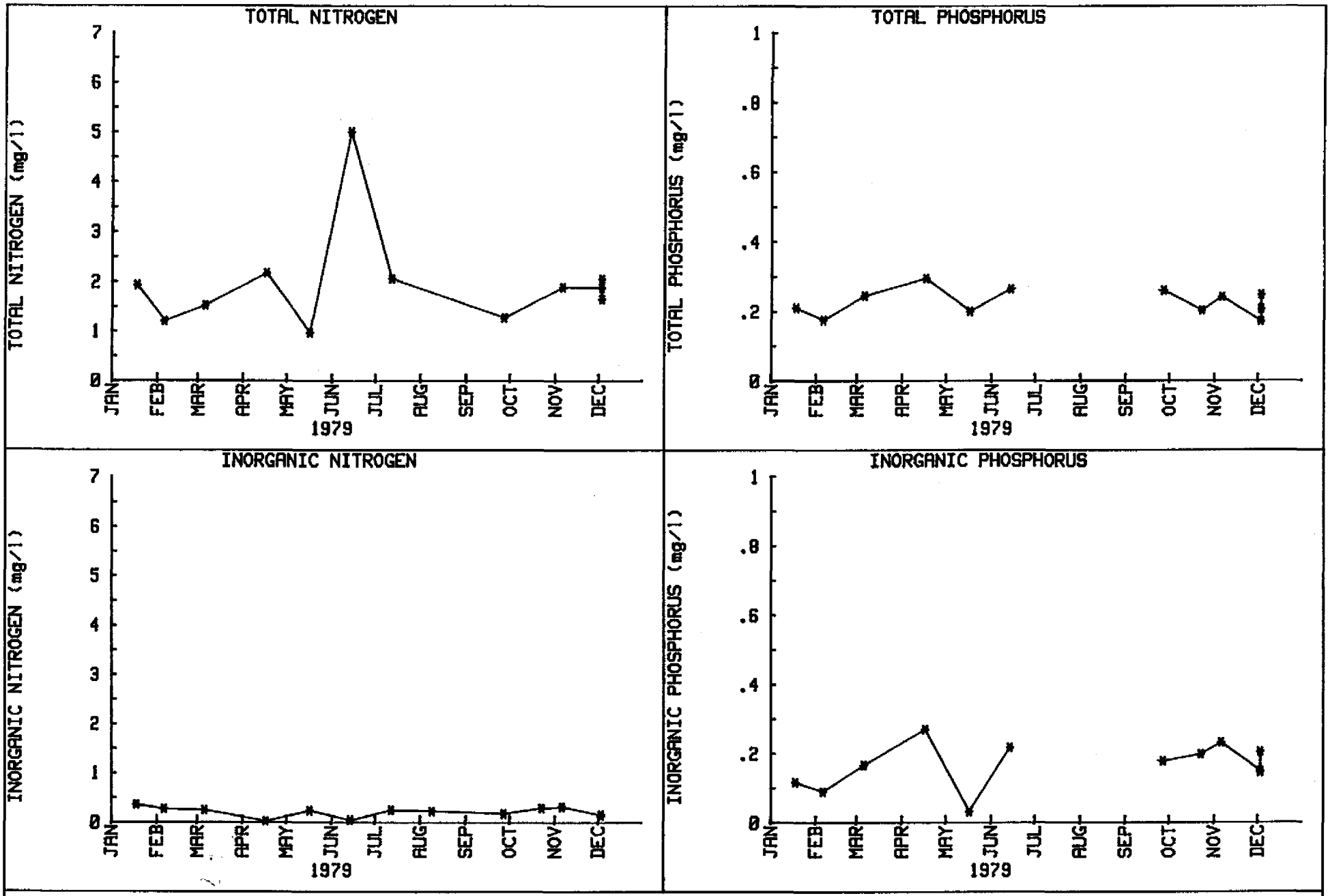


FIGURE 4-5. WATER QUALITY DATA VS TIME FOR BILLY CREEK

S.F.W.M.D. WATER QUALITY MONITORING NETWORKS

PART FIVE

The Kissimmee River Monitoring Network

Introduction

Since 1973, water quality data has been collected on the Lower Kissimmee River and its tributaries as part of an intensive sampling effort within that drainage basin. As of October 1979, the data collection within the Kissimmee River Basin has been reduced to a baseline monitoring effort (six stations). Water quality data collected prior to October 1979 is currently being summarized in a Technical Publication. The purpose of this section of the 1980 Annual Report on the District's water quality monitoring efforts is to outline the current monitoring procedure for the Kissimmee River.

Materials and Methods

Water quality monitoring data on the Kissimmee River is currently collected at the six water control structures (i.e. S65, S65A, S65B, S65C, S65D, and S65E). The locations of these structures are illustrated in Figure 5-1. Samples are collected on a monthly basis. Routine analyses of the samples are performed for NO_x, NO_2, NH_4, TKN, T-PO_4, O-PO_4, TOC, turbidity, and color in addition to the in situ measurements (i.e. temp., pH, cond., and D.O.) which are made with a Hydrolab Surveyor(R). Twice a year (February and August) additional analyses are performed at each station for SO_4, Cl, alkalinity, Na, K, Ca, Mg, Tot. Fe, suspended solids, hardness and dissolved trace metals.

Results and Discussion

Results of chemical analyses for the sampling performed during the first two years of the baseline monitoring program will be presented in January 1981.

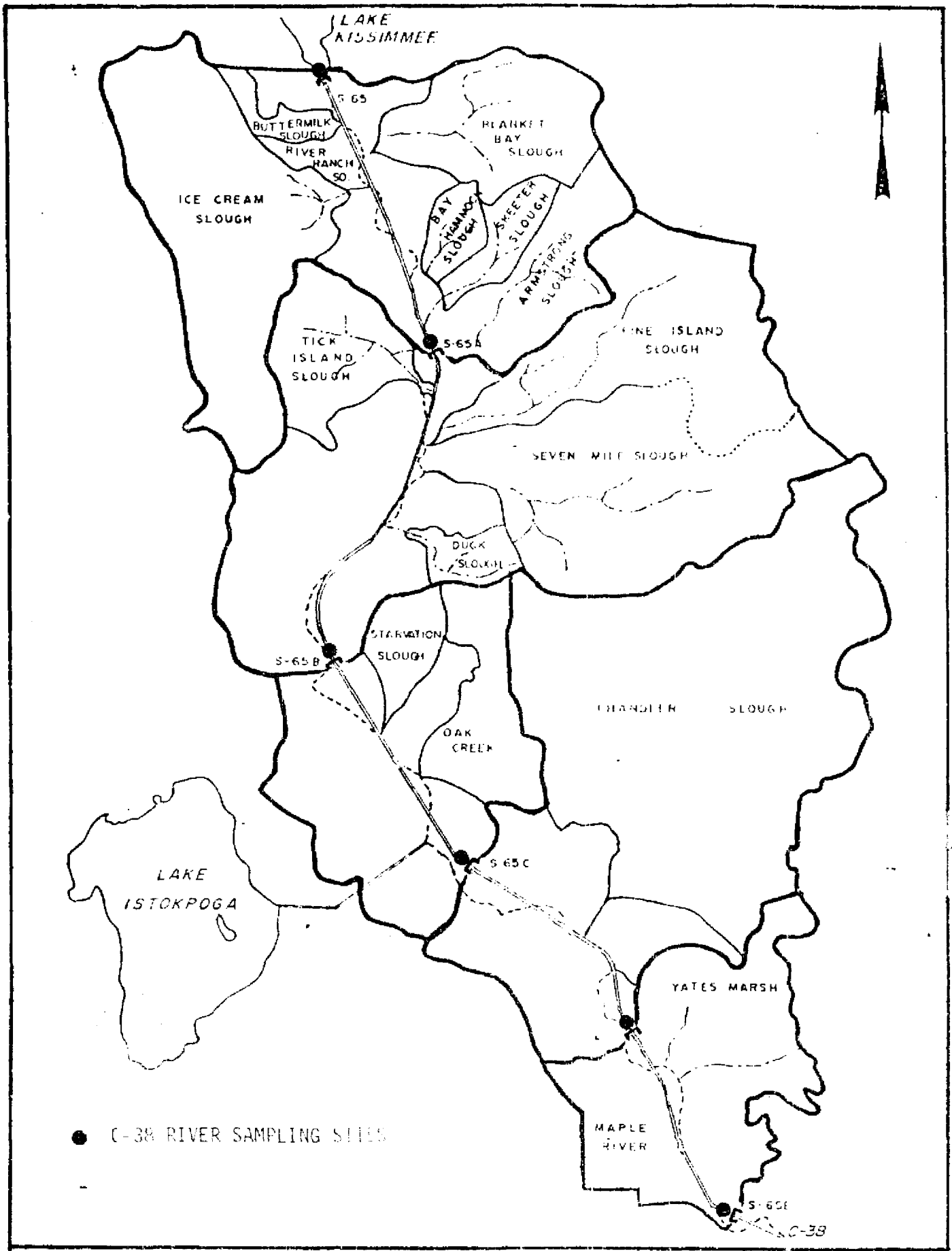


FIGURE 5-1 LOCATION OF KISSIMMEE RIVER SAMPLING SITES

BIBLIOGRAPHY

Isern, L. F., Brown, B. T., 1980. A Geographic Overview of 1977 Land Use/Cover Patterns in the Lower West Coast Planning Area of South Florida. SFWMD Technical Publication 80-8.

South Florida Water Management District, 1980. Water Use Supply and Development Plan, Volume III C, Lower West Coast. SFWMD., West Palm Beach, Florida, April 1980.

APPENDIX A

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES			UNITS
DATE	5/ 1/79	-	4/30/80	MO/DA/YR
DEPTH	0	-	.5	METERS
SAMPLE	0.		0.	TYPE

STATION = CULV10 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/15/79	1042.	0.0	25.7	2.9	35.
5/30/79	1040.	0.0	27.2	7.5	92.
6/12/79	1118.	0.0	28.2	7.9	99.
6/26/79	1020.	0.0	29.5	8.2	104.
7/10/79	941.	0.0	29.9	6.2	79.
7/24/79	1056.	0.0	26.7	5.7	69.
8/ 7/79	1134.	0.0	30.2	4.0	51.
8/21/79	1005.	0.0	29.9	4.3	55.
9/ 6/79	1036.	0.0	27.8	3.9	48.
9/19/79	1015.	0.0	27.6	4.2	52.
10/ 1/79	1550.	0.0	26.7	0.9	11.
10/15/79	1627.	0.0	25.1	1.0	12.
10/29/79	1610.	0.0	25.3	4.2	50.
11/14/79	1250.	0.0	22.9	3.4	39.
11/27/79	1538.	0.0	23.6	3.7	43.
12/12/79	1309.	0.0	22.9	1.4	16.
12/28/79	1047.	0.0	18.5	1.8	19.
1/ 9/80	1125.	0.0	17.5	1.7	18.
1/23/80	1300.	0.0	20.4	2.2	24.
2/ 5/80	1450.	0.0	15.3	3.0	30.
2/20/80	1320.	0.0	18.5	1.8	19.
3/ 4/80	1455.	0.0	16.8	2.5	26.
3/19/80	1355.	0.0	24.3	4.6	54.
4/ 2/80	1650.	0.0	24.3	2.4	28.
4/17/80	1400.	0.0	21.1	1.8	20.
4/30/80	1610.	0.0	24.0	5.3	62.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV10 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/15/79	1450.	7.05	3.0	1.0	95.
5/30/79	920.	7.60	3.9		39.
6/12/79	695.	8.20	7.0	26.0	30.
6/26/79	670.	8.05	4.6	14.0	30.
7/10/79	670.		2.2	8.0	40.
7/24/79	650.	7.71	2.9	16.0	60.
8/ 7/79	688.	7.59	2.3	11.0	30.
8/21/79	608.	7.38	2.0	9.0	30.
9/ 6/79	1635.	7.15	1.3	2.0	230.
9/19/79	1560.	7.32	2.0	3.0	165.
10/ 1/79	2280.	7.00	1.4	22.0	200.
10/15/79	2140.	7.24	0.9	18.0	200.
10/29/79	1590.	7.40	1.1		60.
11/14/79	1863.	7.71	2.7		100.
11/27/79	1321.	7.34	0.7	23.0	70.
12/12/79	1608.	7.28	1.0	4.0	90.
12/28/79	1760.	7.38	0.9	2.0	100.
1/ 9/80	1520.	7.37	0.9	2.0	90.
1/23/80	2140.	7.01	1.0		130.
2/ 5/80	1711.	7.47	17.0	527.0	170.
2/20/80	2230.	7.31	0.8	7.0	150.
3/ 4/80	1050.	7.46	2.5	100.0	120.
3/19/80	2110.	7.67	2.1	14.0	140.
4/ 2/80	2530.	7.46	1.5	9.0	200.
4/17/80	1770.	7.57	1.3	22.0	130.
4/30/80	2090.	7.58	1.0	3.0	120.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV10 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/15/79	0.114	0.012	0.102	0.08	0.19
5/30/79	0.218	0.040	0.178	0.23	0.45
6/12/79	< 0.008	< 0.004	< 0.004	0.04	0.05
6/26/79	0.010	< 0.004	0.006	0.02	0.03
7/10/79	0.046	0.006	0.040	0.23	0.28
7/24/79	0.021	0.005	0.016	0.13	0.15
8/ 7/79	0.066	0.004	0.062	0.25	0.32
8/21/79	0.097	0.023	0.074	0.19	0.29
9/ 6/79	11.639	0.392	11.247	2.19	13.83
9/19/79	0.239	0.071	0.168	2.43	2.67
10/ 1/79	0.179	0.056	0.123	3.07	3.25
10/15/79	< 0.004	0.020	< 0.004	2.51	2.51
10/29/79	0.277	0.088	0.189	1.62	1.90
11/14/79	0.223	0.054	0.169	1.98	2.20
11/27/79	< 0.004	0.005	< 0.004	2.01	2.01
12/12/79	0.071	0.007	0.064	3.13	3.20
12/28/79	< 0.004	0.007	< 0.004	4.78	4.78
1/ 9/80	0.035	0.017	0.018	2.17	2.20
1/23/80	0.116	0.007	0.109	1.86	1.98
2/ 5/80	0.689	0.183	0.506	1.88	2.57
2/20/80	0.046	0.029	0.017	2.74	2.79
3/ 4/80	0.191	0.129	0.062	1.88	2.07
3/19/80	0.272	0.006	0.266	1.57	1.84
4/ 2/80	< 0.004	0.004	< 0.004	2.02	2.02
4/17/80	0.004	< 0.004	< 0.004	2.54	2.54
4/30/80	0.136	0.015	0.121	0.10	0.24

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN(

PARAMETER	RANGE OF VALUES			UNITS
DATE	5/ 1/79	-	4/30/80	MO/DA/YR
DEPTH	0	-	.5	METERS
SAMPLE	0.		0.	TYPE

STATION = CULV10 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/15/79	3.36	3.28	3.47	0.157	0.191
5/30/79	1.26	1.03	1.48	0.010	0.083
6/12/79	2.27	2.23	2.28	0.003	0.071
6/26/79	0.58	0.56	0.59	0.016	0.051
7/10/79	2.85	2.62	2.90	0.018	0.041
7/24/79	3.68	3.55	3.70	0.023	0.062
8/ 7/79				0.029	0.054
8/21/79	2.01	1.82	2.11	0.004	0.037
9/ 6/79	8.66	6.47	20.30	0.232	0.299
9/19/79	6.06	3.63	6.30	0.216	0.276
10/ 1/79	4.61	1.54	4.79	0.304	0.422
10/15/79	7.83	5.32	7.83	0.318	0.580
10/29/79	5.09	3.47	5.37	0.041	0.080
11/14/79	6.39	4.41	6.61	0.055	0.110
11/27/79	5.55	3.54	5.55	0.072	0.074
12/12/79	3.36	0.23	3.43	0.110	0.207
12/28/79	6.37	1.59	6.37	0.086	0.416
1/ 9/80	4.61	2.44	4.65	0.064	0.095
1/23/80	6.10	4.24	6.22	0.121	0.141
2/ 5/80	59.22	57.34	59.91	0.258	0.635
2/20/80	5.92	3.18	5.97	0.154	0.233
3/ 4/80	5.75	3.87	5.94	0.138	0.165
3/19/80	4.56	2.99	4.83	0.117	0.188
4/ 2/80	7.22	5.20	7.22	0.406	0.439
4/17/80	6.60	4.06	6.60	0.167	0.194
4/30/80	5.70	5.60	5.84	0.012	0.192

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV10 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/15/79	29.7		2=NO
5/30/79	18.4	3.0	2=NO
6/12/79	14.7	2.0	2=NO
6/26/79			2=NO
7/10/79	12.2	2.0	1=YES
7/24/79			1=YES
8/ 7/79		1.0	2=NO
8/21/79			2=NO
9/ 6/79		5.0	1=YES
9/19/79	57.3		2=NO
10/ 1/79	57.0		1=YES
10/15/79			1=YES
10/29/79	22.4		2=NO
11/14/79	35.2		2=NO
11/27/79	23.2		2=NO
12/12/79	27.2		2=NO
12/28/79	29.4		2=NO
1/ 9/80	29.7		2=NO
1/23/80	30.6		2=NO
2/ 5/80	57.1		2=NO
2/20/80	44.7		2=NO
3/ 4/80	38.2		2=NO
3/19/80	39.3		1=YES
4/ 2/80	56.2		1=YES
4/17/80	45.9		2=NO
4/30/80	34.7	4.3	2=NO

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION * CULV11 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	810.	0.0	24.9	0.9	11.
5/29/79	820.	0.0	23.8	0.4	5.
6/11/79	843.	0.0	26.0	0.5	6.
6/25/79	855.	0.0	28.5	0.4	5.
7/ 9/79	845.	0.0	28.2		
7/23/79	835.	0.0	26.3	0.2	2.
8/ 6/79	1053.	0.0	27.0	1.5	18.
8/20/79	836.	0.0	26.6	0.4	5.
9/ 5/79	923.	0.0	26.1	2.3	28.
9/18/79	913.	0.0	28.8	0.8	10.
10/ 1/79	803.	0.0	24.4	0.6	7.
10/15/79	831.	0.0	24.1	1.3	15.
10/29/79	815.	0.0	22.5	1.5	17.
11/13/79	820.	0.0	24.0	2.8	33.
11/27/79	802.	0.0	22.0	2.1	24.
12/11/79	756.	0.0	22.6	1.7	19.
12/27/79	807.	0.0	19.7	1.7	18.
1/ 8/80	910.	0.0	17.3	2.0	21.
1/22/80	826.	0.0	20.6	2.9	32.
2/ 5/80	810.	0.0	17.9	1.9	20.
2/19/80	835.	0.0	19.2	1.6	17.
3/ 4/80	810.	0.0			
3/18/80	815.	0.0	21.7	3.7	41.
4/ 2/80	855.	0.0	21.9	2.0	22.
4/16/80	920.	0.0			
4/30/80		0.0			

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV11 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	2400.	6.80	3.6		105.
5/29/79	2500.	6.72	2.5	2.0	100.
6/11/79	1700.	7.02	1.4	2.0	95.
6/25/79	1450.	6.80	2.1	4.0	100.
7/ 9/79	1940.		1.5	6.0	110.
7/23/79	1800.	6.89	3.7	11.0	130.
8/ 6/79	914.	6.85	2.9	7.0	95.
8/20/79	715.	6.68	3.5	7.0	120.
9/ 5/79	690.	6.84	2.5	8.0	195.
9/18/79	1411.	7.03	15.0		170.
10/ 1/79	1850.	6.92			
10/15/79	1509.	6.84	1.5	10.0	140.
10/29/79	1750.	6.97	1.5		80.
11/13/79	2530.	6.95	1.3	1.0	100.
11/27/79	2000.	6.90		10.0	
12/11/79		6.90			
12/27/79	2790.	7.11			
1/ 8/80		7.05	4.2	2.0	90.
1/22/80	3000.	7.01			
2/ 5/80	2600.	7.07	0.9		100.
2/19/80	3160.	6.97	1.4		100.
3/ 4/80					
3/18/80	1760.	7.51	11.0	4.0	110.
4/ 2/80	2340.	7.11	0.8	5.0	90.
4/16/80					
4/30/80					

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV11 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.031	< 0.004	0.027	0.42	0.45
5/29/79	< 0.008	0.005	< 0.004	1.18	1.19
6/11/79	< 0.008	< 0.004	< 0.004	0.03	0.04
6/25/79	< 0.008	< 0.004	< 0.004	0.29	0.30
7/ 9/79	< 0.008	< 0.004	< 0.004	0.65	0.66
7/23/79	< 0.008	< 0.004	< 0.004	0.15	0.16
8/ 6/79	0.010	0.009	< 0.004	0.43	0.44
8/20/79	< 0.004	0.035	< 0.004	0.14	0.14
9/ 5/79	1.312	0.232	1.080	0.38	1.69
9/18/79				0.55	
10/ 1/79					
10/15/79	0.126	0.036	0.090	0.84	0.97
10/29/79	0.281	< 0.004	0.277	0.57	0.85
11/13/79	< 0.004	< 0.004	< 0.004	0.70	0.70
11/27/79					
12/11/79					
12/27/79					
1/ 8/80	< 0.004	< 0.004	< 0.004	0.66	0.66
1/22/80					
2/ 5/80	0.013	0.009	< 0.004	1.79	1.80
2/19/80	< 0.004	0.005	< 0.004	1.75	1.75
3/ 4/80					
3/18/80					
4/ 2/80	0.068	0.011	0.057	1.41	1.48
4/16/80					
4/30/80					

LAKE OKEECHOBEE T.D.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV11 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	1.49	1.07	1.52	0.098	0.145
5/29/79	3.44	2.26	3.45	0.285	0.303
6/11/79	2.66	2.63	2.67	0.067	0.121
6/25/79	2.67	2.38	2.68	0.203	0.235
7/ 9/79	5.03	4.38	5.04		
7/23/79	4.77	4.62	4.78	0.090	0.155
8/ 6/79				0.237	0.294
8/20/79	2.16	2.02	2.16	0.119	0.144
9/ 5/79	2.71	2.33	4.02	0.784	0.912
9/18/79	3.05	2.50		0.211	0.247
10/ 1/79					
10/15/79	2.63	1.79	2.76	0.237	0.241
10/29/79	2.85	2.28	3.13		0.216
11/13/79	3.63	2.93	3.63	0.122	0.178
11/27/79					
12/11/79					
12/27/79					
1/ 8/80	2.64	1.98	2.64	0.077	0.094
1/22/80					
2/ 5/80	3.55	1.76	3.56	0.090	0.105
2/19/80	4.07	2.32	4.07	0.106	0.116
3/ 4/80					
3/18/80					
4/ 2/80	3.62	2.21	3.69	0.184	0.195
4/16/80					
4/30/80					

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV11 CODE

DATE MO/DA/YR	TOTOPG C MG/L	BOD-5 MG/L	DISCHPGE CODE
5/14/79	23.3		2=NO
5/29/79	51.5	5.0	1=YES
6/11/79	20.8	3.0	2=NO
6/25/79	16.8		2=NO
7/ 9/79	24.8	3.0	2=NO
7/23/79	19.2		2=NO
8/ 6/79	22.9	4.0	2=NO
8/20/79			2=NO
9/ 5/79		5.0	1=YES
9/18/79	38.1		2=NO
10/ 1/79			1=YES
10/15/79			1=YES
10/29/79	52.8		2=NO
11/13/79	30.6		2=NO
11/27/79	20.4		2=NO
12/11/79			2=NO
12/27/79			2=NO
1/ 8/80	27.0		2=NO
1/22/80			2=NO
2/ 5/80	30.3		2=NO
2/19/80	25.9		2=NO
3/ 4/80			2=NO
3/18/80	26.5		2=NO
4/ 2/80	28.7		1=YES
4/16/80			2=NO
4/30/80			2=NO

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV12 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/15/79	1010.	0.0	27.0	3.2	39.
5/30/79	1022.	0.0	28.0	10.0	124.
6/12/79	1052.	0.0	28.4	7.5	94.
6/26/79	955.	0.0	29.5	7.1	90.
7/10/79	907.	0.0	30.5	3.7	48.
7/24/79	1037.	0.0	23.8	5.2	60.
8/ 7/79	1048.	0.0	27.5	0.8	10.
8/21/79	932.	0.0	29.8	3.3	42.
9/ 6/79	1015.	0.0	27.1	2.5	31.
9/19/79	945.	0.0	29.0	4.5	57.
10/ 1/79	1520.	0.0	26.3	0.9	11.
10/15/79	1608.	0.0	25.3	3.7	44.
10/29/79	1540.	0.0	25.6	5.5	66.
11/14/79	1215.	0.0	22.5	2.9	33.
11/27/79	1513.	0.0	23.8	8.7	101.
12/12/79	1249.	0.0	25.1	2.0	24.
12/28/79	943.	0.0	18.1	5.9	62.
1/ 9/80	1100.	0.0	16.1	8.9	90.
1/23/80	1235.	0.0	20.2	5.6	61.
2/ 5/80	1420.	0.0	15.0	4.4	43.
2/20/80	1250.	0.0	18.3	3.5	37.
3/ 4/80	1430.	0.0	18.3	5.2	55.
3/19/80	1325.	0.0	23.1	7.0	80.
4/ 2/80	1620.	0.0	25.7	6.0	72.
4/17/80	1340.	0.0	23.6	4.1	47.
4/30/80	1545.	0.0	24.9	7.2	85.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTIN(

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV12 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/15/79	1800.	7.30	2.5	1.0	185.
5/30/79	1950.	7.98	2.6		125.
6/12/79	710.	8.40	5.5	22.0	40.
6/26/79	670.	8.10	5.6	10.0	30.
7/10/79	662.		1.9	6.0	35.
7/24/79	843.	5.45	2.3	8.0	115.
8/ 7/79	1332.	7.00	1.9	10.0	225.
8/21/79	1550.	7.04	2.8	18.0	210.
9/ 6/79	1760.	7.08	1.3		250.
9/19/79	1540.	7.36	1.2	2.0	270.
10/ 1/79	1750.	6.93	1.0	21.0	250.
10/15/79	1955.	7.60	1.4	17.0	240.
10/29/79	840.	7.80	1.5		50.
11/14/79	1414.	7.25	2.6	16.0	190.
11/27/79	788.	7.88	2.5	11.0	60.
12/12/79	1566.	7.27	1.0	4.0	170.
12/28/79	690.	7.49	4.7	11.0	50.
1/ 9/80	490.	7.80	4.0	2.0	50.
1/23/80	620.	7.34	1.7		50.
2/ 5/80	1614.	7.43	1.1		220.
2/20/80	1680.	7.41	0.7	2.0	200.
3/ 4/80	1630.	7.52	1.2	8.0	190.
3/19/80	630.	7.65	5.6	12.0	
4/ 2/80	630.	8.10	9.4	1.0	40.
4/17/80	1520.	8.22	0.6 <	1.0	220.
4/30/80	650.	8.05	10.0	11.0	30.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	- 4/30/80	MO/DA/YR
DEPTH	0	- .5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV12 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/15/79	0.695	0.203	0.492	0.48	1.18
5/30/79	0.189	0.036	0.153	0.09	0.28
6/12/79	< 0.008	0.004	< 0.004	0.01	0.02
6/26/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
7/10/79	0.054	0.005	0.049	0.13	0.18
7/24/79	1.251	0.121	1.130	0.12	1.37
8/ 7/79	< 0.004	< 0.004	< 0.004	1.35	1.35
8/21/79	0.992	0.167	0.825	1.45	2.44
9/ 6/79	14.169	0.178	13.991	1.70	15.87
9/19/79	7.430	0.171	7.259	1.35	8.78
10/ 1/79	6.551	0.160	6.391	1.81	8.36
10/15/79	0.800	0.052	0.748	0.26	1.06
10/29/79	0.048	0.011	0.037	0.08	0.13
11/14/79	7.843	0.098	7.745	1.21	9.05
11/27/79	0.381	0.026	0.355	0.02	0.40
12/12/79	1.152	0.120	1.032	1.56	2.71
12/28/79	0.288	0.011	0.277	0.18	0.47
1/ 9/80	0.133	< 0.004	0.129	0.02	0.15
1/23/80	0.050	0.005	0.045	0.21	0.26
2/ 5/80	10.519	0.283	10.236	0.98	11.50
2/20/80	1.127	0.112	1.015	2.28	3.41
3/ 4/80	3.017	0.086	2.931	0.99	4.01
3/19/80	0.202	< 0.004	0.198	0.03	0.23
4/ 2/80	0.643	0.004	0.639	0.07	0.71
4/17/80	4.274	0.118	4.156	0.30	4.57
4/30/80	0.584	0.006	0.578	0.09	0.67

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV12 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L		OPO4 MG P/L	TPO4 MG P/L
5/15/79	4.12	3.64	4.82		0.118	0.186
5/30/79	3.22	3.13	3.41		0.013	0.113
6/12/79	2.99	2.98	3.00		0.002	0.067
6/26/79	0.86	0.85	0.87	<	0.002	0.055
7/10/79	2.22	2.09	2.27		0.014	0.066
7/24/79	6.16	6.04	7.41	<	0.002	0.045
8/ 7/79					0.107	0.165
8/21/79	7.63	6.18	8.62		0.076	0.187
9/ 6/79	8.06	6.36	22.23		0.120	0.137
9/19/79	6.90	5.55	14.33		0.101	0.131
10/ 1/79	3.32	1.51	9.87		0.118	0.138
10/15/79	4.98	4.72	5.78		0.035	0.093
10/29/79	2.97	2.89	3.02		0.023	0.061
11/14/79	8.00	6.79	15.84		0.035	0.110
11/27/79	2.86	2.84	3.24		0.061	0.090
12/12/79	7.51	5.95	8.66		0.109	0.130
12/28/79	2.40	2.22	2.69			
1/ 9/80	1.46	1.44	1.59		0.063	0.104
1/23/80	2.65	2.44	2.70		0.041	0.061
2/ 5/80	6.67	5.69	17.19		0.105	0.105
2/20/80	5.86	3.58	6.99		0.082	0.096
3/ 4/80	6.71	5.72	9.73		0.098	0.095
3/19/80	6.66	6.63	6.86		0.057	0.081
4/ 2/80	3.06	2.99	3.70		0.093	0.099
4/17/80	6.72	6.42	10.99		0.100	0.098
4/30/80	2.79	2.70	3.37		0.004	0.109

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV12 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/15/79	52.0		2=NO
5/30/79	46.5	9.0	2=NO
6/12/79	11.3	3.0	2=NO
6/26/79			2=NO
7/10/79	13.1	3.0	2=NO
7/24/79			2=NO
8/ 7/79		2.0	1=YES
8/21/79			2=NO
9/ 6/79		4.0	1=YES
9/19/79	60.9		2=NO
10/ 1/79	73.8		1=YES
10/15/79			1=YES
10/29/79	22.1		2=NO
11/14/79	55.0		1=YES
11/27/79	20.4		2=NO
12/12/79	52.8		2=NO
12/28/79	17.7		2=NO
1/ 9/80	24.6		3=IRG
1/23/80	20.0		2=NO
2/ 5/80	56.4		2=NO
2/20/80	63.6		2=NO
3/ 4/80	63.9		2=NO
3/19/80	17.5		3=IRG
4/ 2/80	16.6		2=NO
4/17/80			2=NO
4/30/80	15.3	1.7	3=IRG

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	- 4/30/80	MO/DA/YR
DEPTH	0	- .5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV12A CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	*SAT. DO
5/15/79	1024.	0.0	24.0	1.0	12.
5/30/79	1029.	0.0	26.7	2.8	34.
6/12/79	1105.	0.0	25.0	0.8	9.
6/26/79	1009.	0.0	27.5	1.3	16.
7/10/79	928.	0.0	28.7	1.1	14.
7/24/79	1047.	0.0	26.2	0.4	5.
8/ 7/79	1105.	0.0	27.3	0.8	10.
8/21/79	944.	0.0	26.5	0.3	4.
9/ 6/79	1025.	0.0	26.5	2.9	35.
9/19/79	1002.	0.0	26.4	1.4	17.
10/ 1/79	1535.	0.0	27.6	0.8	10.
10/15/79	1620.	0.0	24.9	4.0	47.
10/29/79	1555.	0.0	25.6	3.4	41.
11/14/79	1235.	0.0	22.6	1.7	19.
11/27/79	1524.	0.0	24.2	3.5	41.
12/12/79	1300.	0.0	22.5	2.8	32.
12/28/79	1012.	0.0	18.3	3.2	34.
1/ 9/80	1110.	0.0	18.0	5.2	54.
1/23/80	1250.	0.0	20.7	3.6	40.
2/ 5/80	1440.	0.0	14.7	4.5	44.
2/20/80	1305.	0.0	22.3	1.6	18.
3/ 4/80	1443.	0.0	18.6	3.4	36.
3/19/80	1340.	0.0	25.1	3.1	37.
4/ 2/80	1635.	0.0	26.2	1.9	23.
4/17/80	1350.	0.0	23.6	3.5	40.
4/30/80	1600.	0.0	24.9	4.3	51.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV12A CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/15/79	4000.	7.05	6.4	8.0	155.
5/30/79	2700.	7.28	1.3		120.
6/12/79	1900.	7.22	1.2	14.0	65.
6/26/79	1200.	7.10	2.4	24.0	60.
7/10/79	2250.		1.4	8.0	130.
7/24/79	1320.	5.40	5.5	41.0	190.
8/ 7/79	2830.	7.38	3.4	9.0	160.
8/21/79	1900.	7.20	1.5	10.0	105.
9/ 6/79	4265.	7.19	2.1	48.0	225.
9/19/79	4170.	7.33	1.5	2.0	175.
10/ 1/79	4150.	7.12	0.8	16.0	170.
10/15/79	1700.	7.35	0.7	7.0	110.
10/29/79	1720.	7.50	1.0		70.
11/14/79	4180.	7.51	2.7	12.0	150.
11/27/79	2250.	7.46	1.1	12.0	130.
12/12/79	1750.	7.36	1.3	4.0	90.
12/28/79	1630.	7.48	0.8	3.0	100.
1/ 9/80	2150.	7.49	0.9	1.0	120.
1/23/80	2480.	7.38	1.0		50.
2/ 5/80	3260.	7.42	1.5	1.0	140.
2/20/80	5050.	7.32	1.0	3.0	170.
3/ 4/80	4560.	7.45	1.3	3.0	160.
3/19/80	3080.	7.52	1.5	6.0	160.
4/ 2/80	4060.	7.52	1.5	10.0	180.
4/17/80	2160.	7.76	0.5	5.0	85.
4/30/80	3130.	7.51	3.0	12.0	110.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES			UNITS
DATE	5/ 1/79	-	4/30/80	MO/DA/YR
DEPTH	0	-	.5	METERS
SAMPLE	0.		0.	TYPE

STATION = CULV12A CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/15/79	0.010	0.010	< 0.004	2.34	2.35
5/30/79	< 0.008	0.009	< 0.004	1.12	1.13
6/12/79	0.017	0.008	0.009	1.43	1.45
6/26/79	0.014	0.009	0.005	< 0.01	0.02
7/10/79	0.076	0.057	0.019	1.21	1.29
7/24/79	1.551	0.010	1.541	2.30	3.85
8/ 7/79	< 0.004	0.013	< 0.004	1.87	1.87
8/21/79	0.475	0.211	0.264	1.39	1.87
9/ 6/79	4.146	0.124	4.022	2.59	6.74
9/19/79	0.379	0.007	0.372	3.62	4.00
10/ 1/79	0.194	0.014	0.180	2.59	2.78
10/15/79	0.209	0.052	0.157	1.89	2.10
10/29/79	0.150	0.029	0.121	1.23	1.38
11/14/79	0.012	0.010	< 0.004	0.81	0.82
11/27/79	0.097	0.099		1.73	1.83
12/12/79	0.208	0.035	0.173	2.43	2.64
12/28/79	0.937	0.145	0.792	1.96	2.90
1/ 9/80	0.679	0.201	0.478	1.25	1.93
1/23/80	0.190	0.063	0.127	0.23	0.42
2/ 5/80	0.174	0.022	0.152	4.59	4.76
2/20/80	< 0.004	0.009	< 0.004	4.78	4.78
3/ 4/80	0.268	0.089	0.179	4.13	4.40
3/19/80	0.972	0.090	0.882	2.45	3.42
4/ 2/80	0.010	0.011		2.16	2.17
4/17/80	0.077	0.021	0.056	1.39	1.47
4/30/80	0.158	0.037	0.121	< 0.01	0.17

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV12A CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/15/79	5.99	3.65	6.00	0.237	0.281
5/30/79	3.05	1.93	3.06		
6/12/79	4.16	2.73	4.18	0.003	0.039
6/26/79	1.82	1.81	1.83	0.016	0.063
7/10/79	5.08	3.87	5.16	0.193	0.221
7/24/79	7.80	5.50	9.35	0.158	0.303
8/ 7/79				0.163	0.199
8/21/79	4.53	3.14	5.01	0.016	0.063
9/ 6/79	8.60	6.01	12.75	0.139	0.257
9/19/79	7.81	4.19	8.19	0.229	0.321
10/ 1/79	4.99	2.40	5.18	0.120	0.188
10/15/79	3.66	1.77	3.87	0.062	0.096
10/29/79	5.16	3.93	5.31	0.062	0.105
11/14/79	8.12	7.31	8.13	0.192	0.232
11/27/79	6.67	4.94	6.77	0.380	0.379
12/12/79	4.20	1.77	4.41	0.192	0.252
12/28/79	4.74	2.78	5.68	0.105	0.436
1/ 9/80	4.39	3.14	5.07	0.205	0.291
1/23/80	7.37	7.14	7.56	0.581	0.559
2/ 5/80	7.60	3.01	7.77	0.368	0.370
2/20/80	7.35	2.57	7.35	0.219	0.331
3/ 4/80	8.69	4.56	8.96	0.263	0.315
3/19/80	4.67	2.22	5.64	0.359	0.414
4/ 2/80	6.77	4.61	6.78	0.152	0.201
4/17/80	4.93	3.54	5.01	0.035	0.061
4/30/80	4.88	4.87	5.04	0.007	0.154

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV12A CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/15/79	42.8		1=YES
5/30/79	41.5	2.0	2=NO
6/12/79	18.3	2.0	2=NO
6/26/79			2=NO
7/10/79	29.2	3.0	1=YES
7/24/79			1=YES
8/ 7/79	52.3	5.0	1=YES
8/21/79			2=NO
9/ 6/79		6.0	1=YES
9/19/79	59.0		1=YES
10/ 1/79	74.9		1=YES
10/15/79			2=NO
10/29/79	25.6		2=NO
11/14/79	47.3		1=YES
11/27/79	39.6		1=YES
12/12/79	30.6		2=NO
12/28/79	28.2		2=NO
1/ 9/80	41.4		1=YES
1/23/80			1=YES
2/ 5/80	38.8		2=NO
2/20/80	74.4		2=NO
3/ 4/80	47.4		1=YES
3/19/80	43.2		1=YES
4/ 2/80	53.1		1=YES
4/17/80	71.8		2=NO
4/30/80	39.1	3.1	2=NO

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV4A CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/15/79	925.	0.0	24.5	0.3	4.
5/30/79	927.	0.0	26.0	1.3	16.
6/12/79	945.	0.0	27.7	7.5	93.
6/26/79	855.	0.0	29.7	4.6	59.
7/10/79	820.	0.0	30.3	8.0	103.
7/24/79	922.	0.0	25.1	0.8	9.
8/ 7/79	938.	0.0	28.4	2.6	33.
8/21/79	845.	0.0	28.2	2.9	36.
9/ 6/79	925.	0.0	26.0	1.9	23.
9/19/79	840.	0.0	27.1	2.3	28.
10/ 1/79	1433.	0.0	26.7	0.4	5.
10/15/79	1522.	0.0	25.1	1.8	21.
10/29/79	1515.	0.0	26.4	3.4	41.
11/14/79	1115.	0.0	22.3	1.8	20.
11/27/79	1418.	0.0	23.3	5.4	62.
12/12/79	1203.	0.0	21.4	7.0	78.
12/28/79	846.	0.0	18.7	5.2	55.
1/ 9/80	1010.	0.0	16.1	6.9	70.
1/23/80	1142.	0.0	20.3	5.7	62.
2/ 5/80	1335.	0.0	12.7	10.8	102.
2/20/80	1150.	0.0	20.9	1.2	13.
3/ 4/80	1341.	0.0	20.6	1.5	16.
3/19/80	1240.	0.0	23.7	6.4	74.
4/ 2/80	1535.	0.0	24.6	2.0	24.
4/17/80	1255.	0.0	23.1	7.3	84.
4/30/80	1505.	0.0	23.6	8.1	94.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV4A CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/15/79	1800.	6.95	1.8		115.
5/30/79	1250.	7.10	0.7		70.
6/12/79	650.	8.42	6.0	15.0	35.
6/26/79	712.	7.70	4.9	16.0	35.
7/10/79	788.		3.5	10.0	40.
7/24/79	1100.	7.25	1.6	13.0	170.
8/ 7/79	810.	7.28	3.6	14.0	40.
8/21/79	972.	7.13	2.0	14.0	65.
9/ 6/79	1765.	7.15	1.5	6.0	110.
9/19/79	1130.	7.30	1.1	1.0	90.
10/ 1/79	1750.	7.05	1.5	14.0	130.
10/15/79	1790.	7.18	0.7	16.0	100.
10/29/79	1110.	7.30	0.6		60.
11/14/79	1887.	7.26	1.9	13.0	130.
11/27/79	799.	7.59	2.1	12.0	50.
12/12/79	775.	7.57	4.5	7.0	50.
12/28/79	870.	7.37	1.6	5.0	60.
1/ 9/80		7.31			50.
1/23/80	580.	7.49	1.5		40.
2/ 5/80	572.	8.10	12.0	13.0	50.
2/20/80	1310.	7.26	0.6	18.0	85.
3/ 4/80	1500.	7.29	9.0	2.0	100.
3/19/80	630.	7.61	8.4	17.0	60.
4/ 2/80	1660.	7.60	1.2	3.0	100.
4/17/80	780.	8.02	2.5	4.0	50.
4/30/80	690.	8.20	5.2	13.0	40.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	- 4/30/80	MO/DA/YR
DEPTH	0	- .5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV4A CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/15/79	0.495	0.174	0.321	1.08	1.58
5/30/79	0.097	0.035	0.062	1.42	1.52
6/12/79	< 0.008	< 0.004	< 0.004	0.02	0.03
6/26/79	0.030	0.006	0.024	0.21	0.24
7/10/79	0.025	< 0.004	0.021	0.22	0.25
7/24/79	0.295	0.073	0.222	1.12	1.42
8/ 7/79	< 0.004	0.024	< 0.004	0.47	0.47
8/21/79	0.244	0.038	0.206	0.51	0.75
9/ 6/79	0.721	0.228	0.493	2.23	2.95
9/19/79	0.667	0.262	0.405	1.76	2.43
10/ 1/79	2.214	< 0.004	2.210	2.20	4.41
10/15/79	0.254	0.047	0.207	1.19	1.44
10/29/79	0.024	0.009	0.015	2.07	2.09
11/14/79	3.054	0.154	2.900	2.06	5.11
11/27/79	0.204	0.011	0.193	0.26	0.46
12/12/79	0.254	0.012	0.242	0.02	0.27
12/28/79	0.135	0.007	0.128	1.11	1.25
1/ 9/80	0.155	0.010	0.145	0.32	0.48
1/23/80	0.005	< 0.004	< 0.004	0.16	0.17
2/ 5/80	0.339	0.005	0.334	0.03	0.37
2/20/80	< 0.004	< 0.004	< 0.004	2.99	2.99
3/ 4/80	0.022	0.008	0.014	2.63	2.65
3/19/80	0.236	< 0.004	0.232	0.16	0.40
4/ 2/80	0.522	0.092	0.430	1.13	1.65
4/17/80	0.209	< 0.004	0.205	0.16	0.37
4/30/80	0.108	0.006	0.102	0.25	0.36

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/7° -	4/3C/8O	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = CULV4A CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L		OPO4 MG P/L	TPO4 MG P/L
5/15/79	3.95	2.87	4.45		0.066	0.122
5/30/79	2.05	0.63	2.15		0.003	0.060
6/12/79	2.42	2.40	2.43	<	0.002	0.068
6/26/79	1.54	1.33	1.57	<	0.002	0.038
7/10/79	2.51	2.29	2.54	<	0.002	0.033
7/24/79	3.38	2.26	3.68	<	0.002	0.054
8/ 7/79				<	0.002	0.057
8/21/79	2.93	2.42	3.17	<	0.002	0.039
9/ 6/79	5.23	3.00	5.95		0.107	0.141
9/19/79	4.45	2.69	5.12		0.038	0.066
10/ 1/79	1.48		3.69		0.041	0.071
10/15/79	3.56	2.37	3.81		0.045	0.082
10/29/79	5.45	3.38	5.47	<	0.002	0.026
11/14/79	7.07	5.01	10.12		0.039	0.081
11/27/79	2.68	2.42	2.88		0.041	0.062
12/12/79	2.58	2.56	2.83		0.032	0.075
12/28/79	4.50	3.39	4.64		0.020	0.072
1/ 9/80	2.03	1.71	2.19		0.015	0.053
1/23/80	2.14	1.98	2.15		0.021	0.042
2/ 5/80	1.70	1.67	2.04		0.060	0.067
2/20/80	4.77	1.78	4.77		0.024	0.064
3/ 4/80	5.07	2.44	5.09		0.044	0.071
3/19/80	2.07	1.91	2.31		0.054	0.086
4/ 2/80	4.63	3.50	5.15		0.058	0.067
4/17/80	2.91	2.75	3.12		0.017	0.071
4/30/80	3.96	3.71	4.07		0.052	0.081

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	C.	0.	TYPE

STATION = CULV4A CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/15/79	27.9		1=YES
5/30/79	26.8	2.0	2=NO
6/12/79	10.4	3.0	2=NO
6/26/79	11.0		2=NO
7/10/79	14.7	4.0	2=NO
7/24/79			1=YES
8/ 7/79	19.7	2.0	2=NO
8/21/79			2=NO
9/ 6/79		4.0	2=NO
9/19/79	28.3		2=NO
10/ 1/79	58.2		1=YES
10/15/79			1=YES
10/29/79	23.9		2=NO
11/14/79	44.8		1=YES
11/27/79	18.0		2=NO
12/12/79	19.5		3=IRG
12/28/79	19.5		3=IRG
1/ 9/80	18.9		2=NO
1/23/80	16.8		2=NO
2/ 5/80	14.2		3=IRG
2/20/80	47.3		2=NO
3/ 4/80	32.2		1=YES
3/19/80	18.1		2=NO
4/ 2/80	31.2		1=YES
4/17/80	21.9		2=NO
4/30/80	16.7	2.8	3=IRG

LAKE OKEECHOBEE T.D.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = HGS5 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	744.	0.0	25.1	6.5	77.
5/29/79	801.	0.0	26.2	7.4	89.
6/11/79	822.	0.5	27.8	7.0	87.
6/25/79	832.	0.0	28.5	5.4	68.
7/ 9/79	822.	0.0	30.3	7.5	96.
7/23/79	812.	0.0	26.9	5.7	70.
8/ 6/79	1023.	0.5	29.3	3.6	46.
8/20/79	814.	0.0	28.7	3.4	43.
9/ 5/79	855.	0.0	26.1	3.3	40.
9/18/79	838.	0.0	27.0	4.6	56.
10/ 1/79	746.	0.0	26.0	2.2	26.
10/15/79	810.	0.5	24.9	3.7	44.
10/29/79	800.	0.0	24.0	3.1	36.
11/13/79	800.	0.0	24.5	5.4	63.
11/27/79	744.	0.0	22.4	5.3	60.
12/11/79	738.	0.5	19.5	8.0	86.
12/27/79	746.	0.0	17.1	7.1	73.
1/ 8/80	845.	0.0	14.6	9.7	95.
1/22/80	814.	0.0	19.4	8.8	94.
2/ 5/80	750.	0.0	12.7	6.6	62.
2/19/80	820.	0.5	16.8	4.4	45.
3/ 4/80	752.	0.0	14.1	7.1	69.
3/18/80	800.	0.0	21.3	8.6	96.
4/ 2/80	820.	0.5	23.5	7.6	88.
4/16/80	900.	0.0	21.2	6.1	68.
4/30/80	820.	0.0	22.6	6.3	72.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = HGS5 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	635.	7.66	4.8		55.
5/29/79	675.	7.80	11.0	10.0	35.
6/11/79	630.	8.30	14.0	28.0	30.
6/25/79	750.	7.70	7.0		30.
7/ 9/79	619.		2.6	9.0	30.
7/23/79	645.	7.70	2.5	7.0	45.
8/ 6/79	665.	7.66	4.5	12.0	25.
8/20/79	840.	7.25	5.0	10.0	70.
9/ 5/79	1110.	7.34	26.0	36.0	80.
9/18/79	800.	7.50	2.0		75.
10/ 1/79	1300.	7.35	5.5	16.0	120.
10/15/79	1128.	7.31	18.0	44.0	70.
10/29/79	1600.	7.41	8.0		70.
11/13/79	1062.	7.52	13.0	11.0	60.
11/27/79	862.	7.41	5.5	24.0	60.
12/11/79	671.	7.66		12.8	50.
12/27/79	770.	7.70	31.0	47.0	70.
1/ 8/80	559.	8.05	50.0	36.0	60.
1/22/80	550.	7.95	6.2		50.
2/ 5/80	1770.	7.66	30.0	44.0	130.
2/19/80	2250.	7.53	6.5	3.0	130.
3/ 4/80	1730.	7.89	5.9	73.0	110.
3/18/80	560.	8.34	20.0	25.0	50.
4/ 2/80	550.	8.40	44.0	54.0	30.
4/16/80	930.	8.65	50.0	79.0	50.
4/30/80	700.	7.63	1.9	62.0	40.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = HGS5 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.093	0.007	0.086	0.16	0.25
5/29/79	0.042	0.007	0.035	0.07	0.11
6/11/79	< 0.008	< 0.004	< 0.004	0.03	0.04
6/25/79	0.051	< 0.004	0.047	0.06	0.11
7/ 9/79	0.019	< 0.004	0.015	0.03	0.05
7/23/79	0.058	0.005	0.053	0.04	0.10
8/ 6/79	0.075	0.012	0.063	0.21	0.29
8/20/79	0.171	< 0.004	0.167	0.52	0.69
9/ 5/79	1.105	0.059	1.046	0.93	2.04
9/18/79	0.455	0.056	0.399	0.38	0.84
10/ 1/79	1.350	< 0.004	1.346	1.69	3.04
10/15/79	0.595	0.012	0.583	0.93	1.53
10/29/79	0.260	0.014	0.246	1.91	2.17
11/13/79	0.364	0.019	0.345	0.77	1.13
11/27/79	0.363	0.042	0.321	1.05	1.41
12/11/79	0.342	0.006	0.336	0.50	0.84
12/27/79	0.746	0.027	0.719	1.45	2.20
1/ 8/80	0.429	< 0.004	0.425	0.08	0.51
1/22/80	0.338	0.007	0.331	0.16	0.50
2/ 5/80	0.321	0.031	0.290	2.49	2.81
2/19/80	0.376	0.105	0.271	1.97	2.35
3/ 4/80	1.553	0.095	1.458	1.24	2.79
3/18/80	0.441	< 0.004	0.437	0.02	0.46
4/ 2/80	0.520	< 0.004	0.516	0.04	0.56
4/16/80	0.448	0.036	0.412	0.51	0.96
4/30/80	0.340	0.026	0.314	0.35	0.69

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = PGS5 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	0.68	0.52	0.77	0.048	0.087
5/29/79	1.65	1.58	1.69	0.026	0.102
6/11/79	1.94	1.91	1.95	0.008	0.088
6/25/79	1.26	1.20	1.31	0.039	0.074
7/ 9/79	2.22	2.19	2.24	0.018	0.218
7/23/79	1.87	1.83	1.93	0.014	0.110
8/ 6/79				0.039	0.086
8/20/79	2.51	1.99	2.68	0.035	0.073
9/ 5/79	3.25	2.32	4.36	0.092	0.179
9/18/79	3.40	3.02	3.86	0.076	0.168
10/ 1/79	1.48		2.83	0.145	0.210
10/15/79	2.17	1.24	2.77	0.126	0.144
10/29/79	6.16	4.25	6.42		0.143
11/13/79	3.78	3.01	4.14	0.070	0.114
11/27/79	3.90	2.85	4.26	0.112	0.113
12/11/79				0.094	0.137
12/27/79	2.82	1.37	3.57	0.024	0.119
1/ 8/80	1.91	1.83	2.34		
1/22/80	2.08	1.92	2.42	0.090	0.094
2/ 5/80	5.23	2.74	5.55	0.106	0.117
2/19/80	6.18	4.21	6.56	0.098	0.132
3/ 4/80	4.73	3.49	6.28	0.057	0.104
3/18/80	2.68	2.66	3.12	0.066	0.441
4/ 2/80	2.49	2.45	3.01	0.083	0.159
4/16/80	3.71	3.20	4.16	0.081	0.182
4/30/80	2.33	1.98	2.67	0.083	0.131

LAKE OKEECHOBEE T.O.P. DATA

PROJECT Y DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = HGS5 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	11.1		2=NO
5/29/79	29.5	2.0	2=NO
6/11/79	13.3	3.0	1=YES
6/25/79	16.8		1=YES
7/ 9/79	13.0	3.0	2=NO
7/23/79	9.9		2=NO
8/ 6/79	17.9	1.0	2=NO
8/20/79			2=NO
9/ 5/79		3.0	2=NO
9/18/79	23.2		2=NO
10/ 1/79	28.1		2=NO
10/15/79			2=NO
10/29/79	16.3		2=NO
11/13/79	20.4		2=NO
11/27/79	15.5		2=NO
12/11/79			2=NO
12/27/79	16.7		2=NO
1/ 8/80	15.2		1=YES
1/22/80	16.6		2=NO
2/ 5/80	38.0		2=NO
2/19/80	31.0		2=NO
3/ 4/80	31.9		2=NO
3/18/80	14.9		1=YES
4/ 2/80	14.4		1=YES
4/16/80	17.3		2=NO
4/30/80	16.2	2.0	2=NO

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER RANGE OF VALUES UNITS

DATE 5/ 1/79 - 4/30/80 MO/DA/YR
DEPTH 0 - .5 METERS
SAMPLE 0. 0. TYPE

STATION = KS78 CODE
C-38 at S.R. 78

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	260.	6.50	1.8		90.
5/29/79	215.	6.50	1.9		95.
6/11/79	285.	7.10	1.8	7.0	105.
6/25/79	420.	7.21	2.1	6.0	75.
7/ 9/79	400.		1.8	7.0	85.
7/23/79	195.	6.80	1.4	8.0	160.
8/ 6/79	245.	6.77	1.6	6.0	80.
8/20/79	140.	6.35	1.5	11.0	120.
9/ 5/79	120.	6.77	3.6	7.0	170.
9/18/79	96.	6.11	2.0	2.0	230.
10/ 1/79	123.	6.15	1.8	15.0	160.
10/15/79	130.	6.28	0.7	7.0	140.
10/29/79	135.	6.42	1.3		100.
11/13/79	164.	6.71	1.5	1.0	100.
11/27/79	235.	7.11	1.7	14.0	110.
12/12/79	176.	6.87	1.5	2.0	110.
12/27/79	135.	6.92	1.3	2.0	100.
1/ 8/80	148.	6.93		1.0	90.

LAKE OKEECHOBEE T.C.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES			UNITS
DATE	5/ 1/79	-	4/30/80	MO/DA/YR
DEPTH	0	-	.5	METERS
SAMPLE	0.		0.	TYPE

STATION = KS78 CODE

C-38 at S.R. 78

DATE MO/DA/YR	TIME HOUR.MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1113.	0.0	28.1	6.5	81.
5/29/79	1040.	0.0	26.8	5.0	61.
6/11/79	1159.	0.0	29.8	7.9	101.
6/25/79	1727.	0.0	30.3	7.2	92.
7/ 9/79	1128.	0.0	30.5	8.6	111.
7/23/79	1100.	0.0	28.6	6.3	79.
8/ 6/79	1423.	0.0	30.5	4.0	51.
8/20/79	1122.	0.0	30.4	4.7	60.
9/ 5/79	1230.	0.0	27.4	5.9	73.
9/18/79	1157.	0.0	28.0	4.1	51.
10/ 1/79	1046.	0.0	27.0	4.0	49.
10/15/79	1122.	0.0	26.1	4.5	54.
10/29/79	1055.	0.0	26.0	5.1	61.
11/13/79	1010.	0.0	24.6	5.4	64.
11/27/79	1035.	0.0	22.4	7.3	83.
12/12/79	913.	0.0	19.7	7.5	81.
12/27/79	1030.	0.0	18.5	7.6	80.
1/ 8/80	1155.	0.0	16.1	8.0	81.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER RANGE OF VALUES UNITS

DATE 5/ 1/79 - 4/30/80 MO/DA/YR
DEPTH 0 - .5 METERS
SAMPLE 0. 0. TYPE

STATION = KS78 CODE
C-38 at S.R. 78

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.063	0.009	0.054	0.03	0.09
5/29/79	< 0.008	0.006	< 0.004	0.05	0.06
6/11/79	0.017	0.005	0.012	0.04	0.06
6/25/79	0.101	0.010	0.091	< 0.01	0.11
7/ 9/79	0.013	< 0.004	0.009	< 0.01	0.02
7/23/79	0.066	0.009	0.057	0.18	0.25
8/ 6/79	0.078	< 0.004	0.074	0.03	0.11
8/20/79	0.165	0.008	0.157	0.04	0.21
9/ 5/79	0.020	0.011	0.009	0.19	0.21
9/18/79	0.015	0.007	0.008	0.07	0.09
10/ 1/79	0.053	< 0.004	0.049	0.07	0.12
10/15/79	0.016	0.005	0.011	0.09	0.11
10/29/79	0.078	0.021	0.057	0.22	0.30
11/13/79	0.289	< 0.004	0.285	0.05	0.34
11/27/79	0.756	< 0.004	0.752	0.03	0.79
12/12/79	0.267	0.007	0.260	0.11	0.38
12/27/79	0.155	0.011	0.144	0.07	0.23
1/ 8/80	0.100	0.005	0.095	0.03	0.13

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = KS78 CODE
C-38 at S.R. 78

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	0.79	0.76	0.85	0.058	0.106
5/29/79	0.82	0.77	0.83	0.074	0.128
6/11/79	1.66	1.62	1.68	0.114	0.180
6/25/79	1.31	1.30	1.41	0.103	0.148
7/ 9/79	1.60	1.59	1.61	0.164	0.163
7/23/79	2.53	2.35	2.60	0.142	0.194
8/ 6/79				0.106	0.130
8/20/79	1.18	1.14	1.35	0.074	0.113
9/ 5/79	1.09	0.90	1.11	0.147	0.170
9/18/79	2.56	2.49	2.58	0.201	0.225
10/ 1/79	2.88	2.81	2.93	0.092	0.141
10/15/79	0.59	0.50	0.61	0.060	0.099
10/29/79	1.93	1.71	2.01	0.075	0.112
11/13/79	1.59	1.54	1.88	0.074	0.104
11/27/79	1.81	1.78	2.57	0.102	0.104
12/12/79	1.61	1.50	1.88	0.058	0.093
12/27/79	1.85	1.78	2.01	0.041	0.050
1/ 8/80	1.35	1.32	1.45	0.017	0.065

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = KS78 CODE
C-38 at S.R. 78

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	9.0		
5/29/79	13.0	1.0	
6/11/79	12.9	2.0	
6/25/79	13.7		2=NO
7/ 9/79	11.2	3.0	2=NO
7/23/79	6.7		2=NO
8/ 6/79	15.7	1.0	2=NO
8/20/79			
9/ 5/79		3.0	2=NO
9/18/79	19.5		1=YES
10/ 1/79	17.3		1=YES
10/15/79			1=YES
10/29/79	12.9		2=NO
11/13/79	17.0		1=YES
11/27/79	14.0		1=YES
12/12/79	13.3		1=YES
12/27/79	14.9		1=YES
1/ 8/80	16.1		1=YES

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S127 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1129.	0.0	27.7	3.1	38.
5/29/79	1131.	0.0	29.0	7.3	92.
6/11/79	1215.	0.0	30.0	3.8	49.
6/25/79	1140.	0.0	31.5	6.0	78.
7/ 9/79	1142.	0.0	32.0	9.6	126.
7/23/79	1126.	0.0	28.5	6.7	84.
8/ 6/79	1438.	0.0	30.9	3.5	45.
8/20/79	1141.	0.0	31.5	6.7	87.
9/ 5/79	1255.	0.0	28.8	7.4	93.
9/18/79	1221.	0.0	28.5	1.0	13.
10/ 1/79	1100.	0.0	27.3	0.3	4.
10/15/79	1145.	0.0	25.8	1.3	16.
10/29/79	1115.	0.0	25.2	3.4	40.
11/14/79	830.	0.0	22.9	3.8	43.
11/27/79	1045.	0.0	22.8	6.0	68.
12/12/79	902.	0.0	20.5	4.1	45.
12/27/79	1052.	0.0	18.4	5.1	54.
1/ 8/80	1220.	0.0	17.5	7.3	76.
1/23/80	915.	0.0	20.3	4.4	48.
2/ 5/80	1015.	0.0	14.1	8.4	81.
2/20/80	855.	0.0	16.8	7.2	74.
3/ 4/80	1020.	0.0	16.1	8.9	90.
3/19/80	935.	0.0	24.2	7.7	90.
4/ 2/80	1210.	0.0	23.7	5.3	61.
4/17/80	930.	0.0	23.9	7.4	86.
4/30/80	1140.	0.0	24.1	7.3	85.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	- 4/30/80	MO/DA/YR
DEPTH	0	- .5	METERS
SAMPLE	0.	0.	TYPE

STATION = S127 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU		T.SUS.SD MG/L	COLOR UNITS
5/14/79	750.	6.99	2.3			180.
5/29/79	650.	6.95	1.7			200.
6/11/79	665.	7.42	1.9		8.0	190.
6/25/79	687.	7.15	2.1		6.0	160.
7/ 9/79	712.		1.8		6.0	145.
7/23/79	720.	7.77	2.0		7.0	185.
8/ 6/79	746.	7.55	2.8		8.0	85.
8/20/79	610.	7.70	3.6		12.0	90.
9/ 5/79	615.	7.78	2.3		6.0	110.
9/18/79	470.	6.91	1.5		3.0	265.
10/ 1/79	518.	6.75	0.6		16.0	320.
10/15/79	632.	6.85	0.5		5.0	300.
10/29/79	760.	7.18	0.7			265.
11/14/79	775.	7.49	1.1		4.0	220.
11/27/79	765.	7.41	0.9		13.0	210.
12/12/79	818.	7.30	1.0		5.0	150.
12/27/79	1020.	7.38	0.6		2.0	150.
1/ 8/80	1004.	7.53	1.0		1.0	140.
1/23/80	1027.	7.31	0.7			130.
2/ 5/80	937.	7.66	1.8			130.
2/20/80	1060.	7.56	0.8			110.
3/ 4/80	1170.	7.93	1.1		2.0	110.
3/19/80	1310.	8.17	1.6		5.0	110.
4/ 2/80	1220.	7.99	1.6		6.0	90.
4/17/80	1430.	8.70	1.2	<	1.0	90.
4/30/80	1150.	7.86	0.8	<	1.0	80.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT Y DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	- 4/30/80	MO/DA/YR
DEPTH	0	- .5	METERS
SAMPLE	0.	0.	TYPE

STATION = S127 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	< 0.008	0.004	< 0.004	0.02	0.03
5/29/79	0.033	0.008	0.025	0.03	0.06
6/11/79	0.011	0.006	0.005	0.02	0.03
6/25/79	< 0.008	0.009	< 0.004	< 0.01	< 0.01
7/ 9/79	0.011	< 0.004	0.007	0.05	0.06
7/23/79	0.013	< 0.004	0.009	0.02	0.03
8/ 6/79	< 0.004	0.014	< 0.004	0.02	0.02
8/20/79	0.009	0.012		< 0.01	0.02
9/ 5/79	0.051	0.024	0.027	0.42	0.47
9/18/79	0.010	0.015		0.29	0.30
10/ 1/79	0.008	0.007	< 0.004	0.36	0.37
10/15/79	< 0.004	0.007	< 0.004	0.46	0.46
10/29/79	0.036	0.015	0.021	0.95	0.99
11/14/79	0.754	0.052	0.702	0.28	1.03
11/27/79	3.422	0.037	3.385	0.14	3.56
12/12/79	0.865	0.110	0.755	0.13	1.00
12/27/79	0.636	0.031	0.605	0.27	0.91
1/ 8/80	0.493	0.022	0.471	0.08	0.57
1/23/80	0.399	0.037	0.362	0.07	0.47
2/ 5/80	0.527	0.031	0.496	0.08	0.61
2/20/80	0.335	0.025	0.310	0.06	0.40
3/ 4/80	0.166	0.030	0.136	0.09	0.26
3/19/80	0.008	< 0.004	< 0.004	0.02	0.03
4/ 2/80	0.055	0.020	0.035	0.13	0.19
4/17/80	< 0.004	< 0.004	< 0.004	< 0.01	< 0.01
4/30/80	0.014	0.008	0.006	0.02	0.03

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	- 4/30/80	MO/DA/YP
DEPTH	0	- .5	METERS
SAMPLE	0.	C.	TYPE

STATION = S127 CODE

DATE MO/DA/YP	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	2.08	2.06	2.09	0.103	0.754
5/29/79	1.54	1.51	1.57	0.096	0.173
6/11/79	2.99	2.97	3.00	0.206	0.310
6/25/79	3.04	3.03	3.05	0.208	0.278
7/ 9/79	3.20	3.19	3.21	0.232	0.276
7/23/79	4.47	4.45	4.48	0.226	0.303
8/ 6/79				0.179	0.250
8/20/79	2.10	2.09	2.11	0.128	0.231
9/ 5/79	2.29	1.87	2.34	0.414	0.470
9/18/79	2.84	2.55	2.85		0.762
10/ 1/79	1.41	1.05	1.42	0.518	0.739
10/15/79	3.04	2.58	3.04	0.246	0.399
10/29/79	4.03	3.08	4.07	0.359	0.375
11/14/79	3.49	3.21	4.24	0.316	0.409
11/27/79	3.50	3.36	6.92	0.167	0.253
12/12/79	2.64	2.51	3.51	0.420	0.569
12/27/79	3.00	2.73	3.64	0.331	0.348
1/ 8/80	2.48	2.40	2.97	0.209	0.282
1/23/80	2.65	2.58	3.05	0.275	0.314
2/ 5/80	2.45	2.37	2.98	0.369	0.342
2/20/80	2.32	2.26	2.66		
3/ 4/80	3.55	3.46	3.72	0.249	0.274
3/19/80	3.12	3.10	3.13		0.246
4/ 2/80	2.94	2.81	3.00	0.317	0.736
4/17/80	2.91	2.90	2.91	0.265	0.262
4/30/80	3.37	3.35	3.38	0.290	0.362

LAKE OKEECHOBEE T.C.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S127 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	19.7		1=YES
5/29/79	18.1	2.0	2=NO
6/11/79	23.3	5.0	2=NO
6/25/79	16.8		2=NO
7/ 9/79	19.2	3.0	2=NO
7/23/79	14.8		2=NO
8/ 6/79	19.5	2.0	2=NO
8/20/79			2=NO
9/ 5/79		5.0	2=NO
9/18/79	30.3		1=YES
10/ 1/79	31.4		1=YES
10/15/79			1=YES
10/29/79	25.9		1=YES
11/14/79	30.9		2=NO
11/27/79	26.6		2=NO
12/12/79	25.4		2=NO
12/27/79	27.2		2=NO
1/ 8/80	27.8		2=NO
1/23/80	27.4		2=NO
2/ 5/80	25.1		1=YES
2/20/80	22.8		2=NO
3/ 4/80	29.6		2=NO
3/19/80	26.3		2=NO
4/ 2/80	26.0		2=NO
4/17/80	24.5		2=NO
4/30/80	25.3	3.7	2=NO

LAKE OKEECHOBEE T.P.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S129 CODE

DATE MO/DA/YR	TIME HOUR.MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1205.	0.0	27.5	5.3	65.
5/29/79	1149.	0.0	29.2	9.5	120.
6/11/79	1301.	0.0	30.0	5.4	69.
6/25/79	1215.	0.0	31.5	9.8	128.
7/ 9/79	1222.	0.0	31.9	9.6	126.
7/23/79	1212.	0.0	29.0	3.1	39.
8/ 6/79	1519.	0.0	29.7	1.6	20.
8/20/79	1222.	0.0	30.0	3.8	49.
9/ 5/79	1340.	0.0	28.2	4.7	59.
9/18/79	1308.	0.0	28.6	2.3	29.
10/ 1/79	1135.	0.0	27.3	0.3	4.
10/15/79	1223.	0.0	26.1	6.4	77.
10/29/79	1158.	0.0	26.3	4.9	59.
11/14/79	920.	0.0	23.1	4.2	48.
11/27/79	1120.	0.0	22.6	5.6	64.
12/12/79	826.	0.0	20.5	7.2	79.
12/27/79	1132.	0.0	18.7	5.7	60.
1/ 8/80	1320.	0.0	16.3	6.8	69.
1/23/80	1000.	0.0	20.3	6.4	70.
2/ 5/80	1050.	0.0	14.3	8.6	84.
2/20/80	945.	0.0	16.8	6.9	71.
3/ 4/80	1052.	0.0	16.3	8.1	82.
3/19/80	1025.	0.0	24.1	8.0	93.
4/ 2/80	1250.	0.0	24.8	5.2	61.
4/17/80	1035.	0.0	23.8	6.1	71.
4/30/80	1215.	0.0	24.0	5.5	64.

LAKE OKEECHOBEE T.D.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S129 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	840.	7.30	1.5	5.0	100.
5/29/79	770.	7.72	1.3		105.
6/11/79	810.	8.20	2.6	10.0	95.
6/25/79	845.	8.00	3.7	12.0	75.
7/ 9/79	812.		1.9	8.0	75.
7/23/79	800.	7.42	1.4	6.0	145.
8/ 6/79	705.	7.35	2.3	4.0	80.
8/20/79	628.	7.20	2.2	10.0	70.
9/ 5/79	640.	7.20	1.8	3.0	100.
9/18/79	430.	7.03	1.6	2.0	200.
10/ 1/79	435.	6.78	0.5	14.0	240.
10/15/79	524.	6.96	0.6	5.0	250.
10/29/79	540.	7.29	1.1		220.
11/14/79	658.	7.60	1.2	3.0	170.
11/27/79	627.	7.37	0.8	12.0	150.
12/12/79	630.	7.32	1.1		190.
12/27/79	620.	7.33	0.6		150.
1/ 8/80	560.	7.59	0.8	1.0	120.
1/23/80	730.	7.50	0.6		110.
2/ 5/80	712.	7.55	1.6		130.
2/20/80	790.	7.43	0.7		110.
3/ 4/80	810.	7.79	0.5	2.0	100.
3/19/80	840.	8.06	1.0	3.0	
4/ 2/80	860.	8.20	1.1	2.0	90.
4/17/80	790.	8.07	0.6	2.0	90.
4/30/80	720.	7.50	0.6	2.0	80.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	C.	TYPE

STATION * S129 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
5/29/79	< 0.008	0.005	< 0.004	< 0.01	< 0.01
6/11/79	< 0.008	< 0.004	< 0.004	0.02	0.03
6/25/79	< 0.008	0.004	< 0.004	0.02	0.03
7/ 9/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
7/23/79	< 0.008	< 0.004	< 0.004	0.07	0.08
8/ 6/79	0.204	0.014	0.190	0.02	0.22
8/20/79	< 0.004	0.017	< 0.004	0.04	0.04
9/ 5/79	0.266	0.010	0.256	0.09	0.36
9/18/79	0.006	0.006	< 0.004	0.17	0.18
10/ 1/79	0.163	0.007	0.156	0.20	0.36
10/15/79	< 0.004	0.007	< 0.004	0.32	0.32
10/29/79	0.262	0.317		0.02	0.28
11/14/79	0.518	0.013	0.505	0.26	0.78
11/27/79	0.168	0.048	0.120	0.15	0.32
12/12/79	0.254	0.011	0.243	0.04	0.29
12/27/79	0.215	0.021	0.194	0.04	0.26
1/ 8/80	0.157	0.006	0.151	0.11	0.27
1/23/80	0.077	0.007	0.070	0.09	0.17
2/ 5/80	0.074	0.018	0.056	0.14	0.21
2/20/80	0.131	0.023	0.108	0.07	0.20
3/ 4/80	0.031	0.010	0.021	0.05	0.08
3/19/80	< 0.004	< 0.004	< 0.004	0.03	0.03
4/ 2/80	0.080	0.041	0.039	0.09	0.17
4/17/80	0.049	< 0.004	0.045	0.03	0.08
4/30/80	0.043	0.008	0.035	0.07	0.11

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S129 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L		OPO4 MG P/L	TPO4 MG P/L
5/14/79	1.55	1.54	1.56		0.066	0.112
5/29/79	1.71	1.70	1.72		0.093	0.164
6/11/79	1.33	1.31	1.34		0.039	0.189
6/25/79	2.33	2.31	2.34	<	0.002	0.111
7/ 9/79	2.51	2.50	2.52	<	0.002	0.080
7/23/79	2.23	2.16	2.24		0.048	0.108
8/ 6/79				<	0.002	0.077
8/20/79	1.64	1.60	1.64		0.019	0.066
9/ 5/79	1.69	1.60	1.96		0.039	0.078
9/18/79	2.49	2.32	2.50		0.268	0.338
10/ 1/79	2.65	2.45	2.81		0.236	0.319
10/15/79	1.99	1.67	1.99		0.144	0.319
10/29/79	3.41	3.39	3.67		0.153	0.227
11/14/79	2.64	2.38	3.16		0.210	0.210
11/27/79	2.63	2.48	2.80		0.133	0.184
12/12/79	1.61	1.57	1.86		0.119	0.139
12/27/79	2.58	2.54	2.80			
1/ 8/80	2.25	2.14	2.41		0.092	0.110
1/23/80	2.08	1.99	2.16		0.074	0.103
2/ 5/80	2.10	1.96	2.17		0.102	0.112
2/20/80	1.97	1.90	2.10		0.099	0.171
3/ 4/80	2.59	2.54	2.62		0.077	0.097
3/19/80	1.91	1.88	1.91		0.063	0.086
4/ 2/80	2.60	2.51	2.68		0.101	0.104
4/17/80	2.39	2.36	2.44		0.080	0.091
4/30/80	2.10	2.03	2.14		0.085	0.104

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	- 4/30/80	MO/DA/YR
DEPTH	0	- .5	METERS
SAMPLE	0.	0.	TYPE

STATION = S129 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	18.1		1=YES
5/29/79	47.6	3.0	2=NO
6/11/79	21.8	7.0	2=NO
6/25/79	16.1		2=NO
7/ 9/79	16.9	4.0	2=NO
7/23/79			2=NO
8/ 6/79	21.8	4.0	2=NO
8/20/79			1=YES
9/ 5/79		5.0	2=NO
9/18/79	23.9		1=YES
10/ 1/79	27.0		1=YES
10/15/79			2=NO
10/29/79	23.0		2=NO
11/14/79	25.4		2=NO
11/27/79	21.7		1=YES
12/12/79	21.7		2=NO
12/27/79	23.2		2=NO
1/ 8/80	23.2		1=YES
1/23/80	24.8		1=YES
2/ 5/80	23.0		2=NO
2/20/80	20.0		2=NO
3/ 4/80	37.9		2=NO
3/19/80	24.0		2=NO
4/ 2/80	22.4		2=NO
4/17/80	21.6		2=NO
4/30/80	21.4	1.5	1=YES

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S131 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1234.	0.0	27.0	5.9	72.
5/29/79	1246.	0.0	30.7	9.1	117.
6/11/79	1400.	0.0	31.0	8.9	115.
6/25/79	1314.	0.0	34.0	11.0	148.
7/ 9/79	1310.	0.0	32.4	8.6	113.
7/23/79	1245.	0.0	29.0	8.4	106.
8/ 6/79	1609.	0.0	31.4	4.7	61.
8/20/79	1304.	0.0	32.2	7.6	100.
9/ 5/79	1430.	0.0	27.8	5.1	63.
9/18/79	1341.	0.0	29.0	5.9	75.
10/ 1/79	1211.	0.0	27.0	0.4	5.
10/15/79	1258.	0.0	26.6	2.6	32.
10/29/79	1245.	0.0	27.0	5.4	66.
11/14/79	940.	0.0	23.8	4.8	56.
11/27/79	1155.	0.0	23.2	6.7	77.
12/12/79	942.	0.0	21.2	6.6	73.
12/27/79	1206.	0.0	19.6	7.2	78.
1/ 8/80	1405.	0.0	17.7	8.0	83.
1/23/80	1015.	0.0	19.7	5.9	64.
2/ 5/80	1120.	0.0	16.1	8.3	84.
2/20/80	1000.	0.0	17.6	8.2	85.
3/ 4/80	1143.	0.0	17.4	8.6	89.
3/19/80	1040.	0.0	24.5	7.1	83.
4/ 2/80	1330.	0.0	24.2	5.4	63.
4/17/80	1110.	0.0	24.6	7.2	85.
4/30/80	1255.	0.0	24.1	6.2	72.

LAKE OKEECHOBEE T.D.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S131 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU		T.SUS.SD MG/L	COLOR UNITS
5/14/79	820.	7.50	1.1		3.0	90.
5/29/79	810.	7.80	0.9			80.
6/11/79	800.	8.00	1.9		8.0	80.
6/25/79	812.	8.15	3.0		6.0	75.
7/ 9/79	778.		1.5		6.0	75.
7/23/79	817.	8.10	1.3		9.0	110.
8/ 6/79	720.	7.85	2.5		6.0	85.
8/20/79	640.	8.00	1.6		11.0	70.
9/ 5/79	220.	6.68	1.5		4.0	255.
9/18/79	522.	7.72	1.4		1.0	110.
10/ 1/79	415.	6.82	0.5		24.0	200.
10/15/79	550.	7.02	0.5		3.0	180.
10/29/79	640.	7.44	0.7			130.
11/14/79	639.	7.61	0.7		1.0	150.
11/27/79	622.	7.58	0.5		7.0	170.
12/12/79	672.	7.55	0.7			130.
12/27/79	370.	7.68	0.5		5.0	130.
1/ 8/80	510.	7.64	0.5		2.0	130.
1/23/80	733.	7.47	0.4			110.
2/ 5/80	698.	7.66	1.1			130.
2/20/80	760.	7.73	0.4			115.
3/ 4/80	715.	7.95	0.5	<	1.0	100.
3/19/80	740.	7.96	0.5		2.0	110.
4/ 2/80	770.	7.85	0.6		5.0	90.
4/17/80	760.	8.58	0.4	<	1.0	80.
4/30/80	770.	7.72	0.5		1.0	60.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S131 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.014	0.007	0.007	0.02	0.03
5/29/79	0.010	< 0.004	0.006	< 0.01	0.02
6/11/79	0.071	0.008	0.063	0.02	0.09
6/25/79	< 0.008	< 0.004	< 0.004	0.02	0.03
7/ 9/79	< 0.008	< 0.004	< 0.004	0.02	0.03
7/23/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
8/ 6/79	0.012	0.013		< 0.01	0.02
8/20/79	0.007	0.009		0.01	0.02
9/ 5/79	0.806	0.014	0.792	0.11	0.92
9/18/79	0.032	0.005	0.027	0.06	0.09
10/ 1/79	< 0.004	0.007	< 0.004	0.07	0.07
10/15/79	< 0.004	0.007	< 0.004	0.18	0.18
10/29/79	0.064	0.027	0.037	0.19	0.25
11/14/79	0.244	0.005	0.239	0.15	0.39
11/27/79	0.452	0.006	0.446	0.04	0.49
12/12/79	0.369	0.012	0.357	< 0.01	0.38
12/27/79	0.403	0.004	0.399	< 0.01	0.41
1/ 8/80	0.169	< 0.004	0.165	0.02	0.19
1/23/80	0.262	0.012	0.250	0.02	0.28
2/ 5/80	0.183	0.007	0.176	0.02	0.20
2/20/80	0.087	0.006	0.081	0.04	0.13
3/ 4/80	0.044	0.005	0.039	0.06	0.10
3/19/80	< 0.004	< 0.004	< 0.004	0.01	0.01
4/ 2/80	0.037	0.008	0.029	0.06	0.10
4/17/80	0.045	< 0.004	0.041	0.01	0.06
4/30/80	0.023	0.006	0.017	0.03	0.05

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S131 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L		OPO4 MG P/L	TPO4 MG P/L
5/14/79	2.02	2.00	2.03		0.041	0.078
5/29/79	1.43	1.42	1.44		0.033	0.075
6/11/79	1.60	1.58	1.67		0.028	0.098
6/25/79	2.05	2.03	2.06	<	0.002	0.089
7/ 9/79	1.48	1.46	1.49	<	0.002	0.043
7/23/79	3.32	3.31	3.33		0.010	0.077
8/ 6/79					0.008	0.070
8/20/79	2.07	2.06	2.08		0.012	0.040
9/ 5/79	1.63	1.52	2.44		0.109	0.147
9/18/79	2.14	2.08	2.17		0.053	0.091
10/ 1/79	2.02	1.95	2.02		0.176	0.250
10/15/79	1.55	1.37	1.55		0.130	0.170
10/29/79	2.52	2.33	2.58		0.121	0.167
11/14/79	3.86	3.71	4.10		0.169	0.163
11/27/79	2.27	2.23	2.72		0.122	0.146
12/12/79	2.09	2.08	2.46		0.153	0.160
12/27/79	1.97	1.96	2.37		0.128	0.138
1/ 8/80	1.69	1.67	1.86		0.096	0.128
1/23/80	1.79	1.77	2.05		0.124	0.120
2/ 5/80	1.81	1.79	1.99		0.149	0.157
2/20/80	1.73	1.69	1.82		0.102	0.142
3/ 4/80	1.80	1.74	1.84		0.098	0.108
3/19/80	2.02	2.01	2.02		0.068	0.086
4/ 2/80	2.38	2.32	2.42		0.087	0.109
4/17/80	2.10	2.09	2.14		0.084	0.091
4/30/80	2.21	2.18	2.23		0.033	0.185

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S131 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	16.9		1=YES
5/29/79	12.4		2=NO
6/11/79	19.7	3.0	2=NO
6/25/79	13.2		2=NO
7/ 9/79	17.7	3.0	2=NO
7/23/79	12.9		2=NO
8/ 6/79	19.1	3.0	2=NO
8/20/79			2=NO
9/ 5/79		3.0	2=NO
9/18/79	19.5		1=YES
10/ 1/79	24.0		1=YES
10/15/79			2=NO
10/29/79	16.9		2=NO
11/14/79	22.0		2=NO
11/27/79	18.6		2=NO
12/12/79	18.6		2=NO
12/27/79	17.4		2=NO
1/ 8/80	35.1		2=NO
1/23/80	21.9		2=NO
2/ 5/80	20.4		2=NO
2/20/80	17.7		2=NO
3/ 4/80	21.3		2=NO
3/19/80	21.8		2=NO
4/ 2/80	20.8		1=YES
4/17/80	22.4		2=NO
4/30/80	21.4	1.3	2=NO

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	C.	O.	TYPE

STATION = S133 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1037.	0.0	27.6	3.1	38.
5/29/79	907.	0.0	26.0	2.2	26.
6/11/79	942.	0.0	28.0	5.0	62.
6/25/79	948.	0.0	29.0	6.2	78.
7/ 9/79	943.	0.0	29.9	8.3	106.
7/23/79	920.	0.0	27.5	2.7	33.
8/ 6/79	1152.	0.0	29.9	4.3	55.
8/20/79	926.	0.0	29.5	4.6	59.
9/ 5/79	1020.	0.0	27.4	6.8	84.
9/18/79	1023.	0.0	28.4	1.8	23.
10/ 1/79	852.	0.0	27.8	1.7	21.
10/15/79	939.	0.0	26.0	1.8	22.
10/29/79	900.	0.0	24.2	3.7	43.
11/13/79	945.	0.0	24.6	3.2	38.
11/27/79	845.	0.0	22.5	6.9	78.
12/11/79	845.	0.0	20.0	6.8	74.
12/27/79	901.	0.0	18.4	7.9	83.
1/ 8/80	1030.	0.0	14.8	9.1	89.
1/22/80	930.	0.0	18.7	6.6	70.
2/ 5/80	855.	0.0	13.5	9.6	92.
2/19/80	935.	0.0	15.7	7.8	78.
3/ 4/80	853.	0.0	14.2	8.3	81.
3/18/80	915.	0.0	22.7	7.8	89.
4/ 2/80	1005.	0.0	23.5	4.0	46.
4/16/80	1010.	0.0	24.0	7.9	92.
4/30/80	955.	0.0	23.6	7.9	91.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S133 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU		T.SUS.SD MG/L	COLOR UNITS
5/14/79	480.	6.99	2.0			145.
5/29/79	640.	7.00	1.5		2.0	160.
6/11/79	650.	7.35	1.8		6.0	112.
6/25/79	680.	7.40	1.9		2.0	85.
7/ 9/79	660.		2.0		13.0	80.
7/23/79	695.	7.30	1.5		7.0	110.
8/ 6/79	711.	7.73	2.6		3.0	80.
8/20/79	615.	7.55	2.4		5.0	75.
9/ 5/79	600.	7.59	2.5		6.0	120.
9/18/79	546.	6.99	1.1		3.0	210.
10/ 1/79	598.	7.00	0.8		17.0	220.
10/15/79	639.	6.98	0.6		4.0	210.
10/29/79	520.	7.28	1.0			120.
11/13/79	572.	7.25	2.2		6.0	110.
11/27/79	646.	7.62	1.0		11.0	90.
12/11/79	712.	7.58	2.5		4.0	60.
12/27/79	740.	7.89	1.4		1.0	60.
1/ 8/80	665.	7.86	17.0		5.0	180.
1/22/80	777.	7.60	0.8			60.
2/ 5/80	815.	7.96	2.4		11.6	70.
2/19/80	720.	7.63	7.0			60.
3/ 4/80	860.	8.00	1.0	<	1.0	60.
3/18/80	720.	8.04	1.0		6.0	70.
4/ 2/80	740.	7.87	1.3		3.0	60.
4/16/80	780.	8.73	0.9	<	1.0	60.
4/30/80	770.	8.14	1.2	<	1.0	60.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S133 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.064	0.013	0.051	0.12	0.18
5/29/79	0.058	0.032	0.026	0.25	0.31
6/11/79	0.021	0.007	0.014	0.06	0.08
6/25/79	< 0.008	0.004	< 0.004	< 0.01	< 0.01
7/ 9/79	< 0.008	< 0.004	< 0.004	0.03	0.04
7/23/79	0.035	0.008	0.027	0.17	0.21
8/ 6/79	0.062	0.013	0.049	0.02	0.08
8/20/79	< 0.004	< 0.004	< 0.004	< 0.01	< 0.01
9/ 5/79	0.061	0.064		0.47	0.53
9/18/79	0.130	0.057	0.073	0.52	0.65
10/ 1/79	< 0.004	0.107	< 0.004	0.53	0.53
10/15/79	0.160	0.040	0.120	0.42	0.58
10/29/79	0.490	0.110	0.380	0.11	0.60
11/13/79	0.476	0.051	0.425	0.16	0.64
11/27/79	0.418	0.008	0.410	0.08	0.50
12/11/79	0.267	0.011	0.256	1.08	1.35
12/27/79	0.211	0.007	0.204	0.05	0.26
1/ 8/80	0.341	0.005	0.336	0.08	0.42
1/22/80	0.086	< 0.004	0.082	0.03	0.12
2/ 5/80	0.130	0.009	0.121	0.04	0.17
2/19/80	0.287	0.006	0.281	0.14	0.43
3/ 4/80	0.104	0.008	0.096	0.10	0.20
3/18/80			0.058		0.09
4/ 2/80	0.014	< 0.004	0.010	0.14	0.15
4/16/80	0.010	< 0.004	0.006	0.01	0.02
4/30/80	< 0.004	< 0.004	< 0.004	< 0.01	< 0.01

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S133 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	1.55	1.43	1.61	0.051	0.338
5/29/79	2.16	1.91	2.22		
6/11/79	2.49	2.43	2.51	0.243	0.342
6/25/79	2.22	2.21	2.23	0.256	0.286
7/ 9/79	2.85	2.82	2.86		
7/23/79	2.17	2.00	2.20	0.332	0.330
8/ 6/79				0.309	0.361
8/20/79	2.05	2.04	2.05	0.242	0.350
9/ 5/79	1.99	1.52	2.05	0.464	0.564
9/18/79	2.63	2.11	2.76	0.515	0.625
10/ 1/79	1.13	0.60	1.13	0.412	0.487
10/15/79	1.64	1.22	1.80	0.327	0.404
10/29/79	3.05	2.94	3.54	0.292	0.296
11/13/79	2.23	2.07	2.71	0.257	0.333
11/27/79	2.60	2.52	3.02	0.056	0.192
12/11/79	2.15	1.07	2.42	0.154	0.320
12/27/79	1.73	1.68	1.94	0.114	0.156
1/ 8/80	1.46	1.38	1.80	0.101	0.165
1/22/80	2.48	2.45	2.57	0.158	0.185
2/ 5/80	1.76	1.72	1.89	0.125	0.123
2/19/80	2.32	2.18	2.61	0.214	0.211
3/ 4/80	2.30	2.20	2.40	0.129	0.163
3/18/80		1.88	1.97		0.192
4/ 2/80	2.60	2.46	2.61	0.199	0.219
4/16/80	5.45	5.44	5.46	0.157	0.200
4/30/80	2.68	2.67	2.68	0.091	0.140

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S133 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	19.7		1=YES
5/29/79	19.4	2.0	1=YES
6/11/79	17.1	4.0	2=NO
6/25/79	16.4		2=NO
7/ 9/79	19.1	3.0	1=YES
7/23/79	10.6		2=NO
8/ 6/79	20.4	3.0	2=NO
8/20/79			2=NO
9/ 5/79		5.0	2=NO
9/18/79	26.3		1=YES
10/ 1/79	29.8		1=YES
10/15/79			2=NO
10/29/79	17.8		2=NO
11/13/79	21.1		1=YES
11/27/79	17.4		2=NO
12/11/79			2=NO
12/27/79	16.4		2=NO
1/ 8/80	17.8		1=YES
1/22/80	20.1		2=NO
2/ 5/80	19.5		2=NO
2/19/80	14.1		1=YES
3/ 4/80	23.6		2=NO
3/18/80	18.6		2=NO
4/ 2/80	18.3		2=NO
4/16/80	18.6		2=NO
4/30/80	21.1	4.7	2=NO

LAKE OKEECHOBEE T.P.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S135 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	835.	0.0	25.8	9.8	118.
5/29/79	839.	0.0	27.5	8.3	102.
6/11/79	908.	0.0	27.6	6.2	77.
6/25/79	914.	0.0	31.0	8.9	115.
7/ 9/79	913.	0.0	32.0	6.6	87.
7/23/79	850.	0.0	26.5	3.8	46.
8/ 6/79	1117.	0.0	30.5	3.6	46.
8/20/79	856.	0.0	30.5	5.5	71.
9/ 5/79	942.	0.0	27.1	5.3	65.
9/18/79	943.	0.0	28.8	5.8	73.
10/ 1/79	819.	0.0	27.2	1.6	20.
10/15/79	910.	0.0	26.0	1.7	20.
10/29/79	830.	0.0	25.0	3.7	44.
11/13/79	900.	0.0	24.8	1.6	19.
11/27/79	820.	0.0	22.7	3.2	36.
12/11/79	818.	0.0	20.4	4.5	49.
12/27/79	825.	0.0	18.8	6.6	70.
1/ 8/80	945.	0.0	15.8	7.5	75.
1/22/80	845.	0.0	19.4	6.1	66.
2/ 5/80	830.	0.0	14.0	8.3	80.
2/19/80	855.	0.0	16.4	7.2	73.
3/ 4/80	825.	0.0	14.6	8.4	82.
3/18/80	835.	0.0	22.2	8.1	91.
4/ 2/80	920.	0.0	23.5	5.2	60.
4/16/80	935.	0.0	23.0	6.1	70.
4/30/80	915.	0.0	23.1	6.0	69.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S135 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	1100.	8.00	1.9		60.
5/29/79	1100.	7.92	1.8		45.
6/11/79	1000.	8.45	2.4	7.0	45.
6/25/79	930.	8.10	2.6	2.0	40.
7/ 9/79	1070.		1.5	6.0	40.
7/23/79	1080.	7.60	1.5	7.0	70.
8/ 6/79	1055.	7.71	2.1	6.0	35.
8/20/79	845.	7.85	1.8	5.0	50.
9/ 5/79	940.	7.66	2.0		65.
9/18/79	781.	7.61	2.2	4.0	150.
10/ 1/79	698.	7.15	0.8	11.0	170.
10/15/79	792.	7.17	0.7	5.0	160.
10/29/79	870.	7.45	1.0		100.
11/13/79	755.	7.19	1.5	3.0	80.
11/27/79	834.	7.25	1.2	10.0	120.
12/11/79	862.	7.34	3.5	6.0	80.
12/27/79	910.	7.86	2.5	6.0	80.
1/ 8/80	926.	7.87	8.7	1.0	80.
1/22/80	930.	7.73	1.2		80.
2/ 5/80	984.	7.95	4.3		80.
2/19/80	1010.	7.81	3.2		70.
3/ 4/80	1010.	8.17	2.1	3.0	60.
3/18/80	1040.	8.36	3.7	8.0	70.
4/ 2/80	1040.	8.20	3.1	8.0	60.
4/16/80	1060.	8.75	2.4	3.0	50.
4/30/80	1040.	7.95	0.8	1.0	40.

LAKE OKEECHOBEE T.P.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S135 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.010	< 0.004	0.006	0.01	0.02
5/29/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
6/11/79	< 0.008	< 0.004	< 0.004	0.02	0.03
6/25/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
7/ 9/79	< 0.008	< 0.004	< 0.004	0.03	0.04
7/23/79	0.012	< 0.004	0.008	0.06	0.07
8/ 6/79	0.006	0.008		0.02	0.03
8/20/79	0.005	< 0.004	< 0.004	< 0.01	0.02
9/ 5/79	0.070	0.010	0.060	0.25	0.32
9/18/79	0.206	0.097	0.109	0.03	0.24
10/ 1/79	0.218	0.083	0.135	0.12	0.34
10/15/79	0.125	0.021	0.104	0.25	0.38
10/29/79	0.306	0.005	0.301	0.22	0.52
11/13/79	0.005	< 0.004	< 0.004	0.08	0.09
11/27/79	0.005	0.005	< 0.004	0.24	0.25
12/11/79	0.242	0.071	0.171	0.45	0.69
12/27/79	0.224	0.004	0.220	0.14	0.36
1/ 8/80	0.058	0.028	0.030	0.14	0.20
1/22/80	0.070	0.016	0.054	0.23	0.30
2/ 5/80	0.154	0.019	0.135	0.13	0.28
2/19/80	0.197	0.020	0.177	0.11	0.31
3/ 4/80	0.101	0.008	0.093	0.11	0.21
3/18/80					
4/ 2/80	0.019	< 0.004	0.015	0.10	0.12
4/16/80	0.034	< 0.004	0.030	0.06	0.09
4/30/80	0.023	0.004	0.019	0.05	0.07

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES			UNITS
DATE	5/ 1/79	-	4/30/80	MO/DA/YR
DEPTH	0	-	.5	METERS
SAMPLE	0.		0.	TYPE

STATION = S135 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	1.26	1.25	1.27	0.021	0.072
5/29/79	1.77	1.76	1.78	0.007	0.056
6/11/79	1.33	1.31	1.34	0.041	0.115
6/25/79	2.39	2.38	2.40	0.011	0.052
7/ 9/79	1.94	1.91	1.95	0.007	1.105
7/23/79	1.99	1.93	2.00	0.003	< 0.002
8/ 6/79				0.006	0.051
8/20/79	1.07	1.06	1.08	0.005	0.030
9/ 5/79	1.63	1.38	1.70	0.028	0.074
9/18/79	2.42	2.39	2.63	0.129	0.202
10/ 1/79				0.183	0.266
10/15/79	1.61	1.36	1.74	0.281	0.414
10/29/79	2.58	2.36	2.89	0.178	0.217
11/13/79	2.23	2.15	2.24	0.145	0.274
11/27/79	3.16	2.92	3.17	0.304	
12/11/79				0.105	0.160
12/27/79	2.46	2.32	2.68	0.094	0.134
1/ 8/80	1.97	1.83	2.03	0.081	0.115
1/22/80	2.71	2.48	2.78	0.182	0.161
2/ 5/80	1.81	1.68	1.96	0.102	0.117
2/19/80	2.20	2.09	2.40	0.095	0.121
3/ 4/80	2.81	2.70	2.91	0.125	0.140
3/18/80					
4/ 2/80	2.60	2.50	2.62	0.105	0.113
4/16/80	3.71	3.65	3.74	0.112	0.127
4/30/80	3.72	3.67	3.74	0.103	0.113

LAKE OKEECHOBEE T.C.P. DATA

PROJECT Y DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S135 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	18.4		1=YES
5/29/79	12.0	1.0	2=NO
6/11/79	17.3	3.0	2=NO
6/25/79	15.8		2=NO
7/ 9/79	19.1	3.0	2=NO
7/23/79	14.7		2=NO
8/ 6/79	21.0		2=NO
8/20/79			2=NO
9/ 5/79		4.0	2=NO
9/18/79	24.9		1=YES
10/ 1/79	24.2		1=YES
10/15/79			2=NO
10/29/79	38.6		2=NO
11/13/79	24.8		1=YES
11/27/79	22.9		2=NO
12/11/79			2=NO
12/27/79	24.1		2=NO
1/ 8/80	23.2		1=YES
1/22/80	24.2		1=YES
2/ 5/80	23.0		2=NO
2/19/80	18.0		2=NO
3/ 4/80	25.9		2=NO
3/18/80	21.5		2=NO
4/ 2/80	21.9		1=YES
4/16/80	19.1		2=NO
4/30/80	22.7	2.5	2=NO

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S154 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1005.	0.0	28.0	5.4	67.
5/29/79	1016.	0.0	26.5	1.3	16.
6/11/79	1121.	0.0	29.7	3.3	42.
6/25/79	1105.	0.0	31.0	4.8	62.
7/ 9/79	1057.	0.0	31.5	9.0	117.
7/23/79	1046.	0.0	28.0	5.0	62.
8/ 6/79	1402.	0.0	29.6	5.3	68.
8/20/79	1101.	0.0	29.9	4.0	51.
9/ 5/79	1203.	0.0	27.2	5.6	69.
9/18/79	1141.	0.0	28.2	0.8	10.
10/ 1/79	1032.	0.0	25.5	1.5	18.
10/15/79	1103.	0.0	25.2	2.4	29.
10/29/79	1030.	0.0	24.6	2.4	28.
11/13/79	1030.	0.0	24.6	3.5	41.
11/27/79	1021.	0.0	22.9	5.3	61.
12/11/79	930.	0.0	20.0	4.1	45.
12/27/79	1012.	0.0	18.4	5.6	59.
1/ 8/80	1135.	0.0	15.3	7.0	70.
1/22/80	1005.	0.0	17.9	6.4	67.
2/ 5/80	955.	0.0	13.6	9.0	86.
2/19/80	1030.	0.0	15.9	7.9	79.
3/ 4/80	1002.	0.0	14.8	8.3	82.
3/18/80	1000.	0.0	22.4	6.3	71.
4/ 2/80	1145.	0.0	22.9	5.8	66.
4/16/80	1130.	0.0	23.9	6.3	73.
4/30/80	1120.	0.0	24.4	7.3	86.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT Y DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S154 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	335.	6.10	1.4		250.
5/29/79	300.	6.13	1.4		250.
6/11/79	310.	6.52	1.3	6.0	240.
6/25/79	310.	6.40	1.5	6.0	210.
7/ 9/79	320.		1.4	8.0	190.
7/23/79	330.	6.70	1.6	6.0	195.
8/ 6/79	381.	6.71	1.3	7.0	115.
8/20/79	385.	6.35	1.1	7.0	105.
9/ 5/79	350.	6.57	1.5		180.
9/18/79	196.	6.18	1.5	1.0	390.
10/ 1/79	228.	6.25	0.7	14.0	280.
10/15/79	180.	6.20	0.6	5.0	300.
10/29/79	190.	6.28	1.0		240.
11/13/79	245.	6.47	1.2	2.0	220.
11/27/79	392.	6.69	1.0	9.0	210.
12/11/79	442.	6.38	1.5	4.0	190.
12/27/79	370.	6.68	0.6	4.0	210.
1/ 8/80	363.	6.85		3.8	90.
1/22/80	413.	6.85	0.6		180.
2/ 5/80	734.	7.11	1.4		160.
2/19/80	660.	6.99	0.6		150.
3/ 4/80	600.	7.30	1.2	2.0	160.
3/18/80	500.	7.24	1.2	1.0	180.
4/ 2/80	480.	7.36	1.2	8.0	180.
4/16/80	590.	7.63	0.7 <	1.0	170.
4/30/80	550.	7.42	0.6 <	1.0	160.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER RANGE OF VALUES UNITS

DATE 5/ 1/79 - 4/30/80 MO/DA/YR
DEPTH 0 - .5 METERS
SAMPLE 0. 0. TYPE

STATION = S154 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.009	0.007	< 0.004	0.03	0.04
5/29/79	0.009	0.008	< 0.004	0.05	0.06
6/11/79	0.051	0.007	0.044	0.10	0.15
6/25/79	0.026	0.009	0.017	0.08	0.11
7/ 9/79	< 0.008	< 0.004	< 0.004	0.01	0.02
7/23/79	0.011	< 0.004	0.007	0.07	0.08
8/ 6/79	0.215	0.009	0.206	< 0.01	0.23
8/20/79	0.019	0.005	0.014	0.03	0.05
9/ 5/79	0.009	0.014		0.04	0.05
9/18/79	< 0.004	0.011	< 0.004	0.04	0.04
10/ 1/79	0.008	0.011		0.07	0.08
10/15/79	< 0.004	0.007	< 0.004	0.12	0.12
10/29/79	0.016	0.009	0.007	0.24	0.26
11/13/79	0.066	0.013	0.053	0.14	0.21
11/27/79	0.121	0.008	0.113	0.06	0.18
12/11/79	0.296	0.011	0.285	< 0.01	0.31
12/27/79	0.140	0.008	0.132	0.11	0.25
1/ 8/80	0.133	< 0.004	0.129	0.03	0.16
1/22/80	0.067	< 0.004	0.063	0.02	0.09
2/ 5/80	0.060	0.007	0.053	0.03	0.09
2/19/80	0.051	< 0.004	0.047	0.02	0.07
3/ 4/80	0.033	< 0.004	0.029	0.05	0.08
3/18/80	0.016	< 0.004	0.012	0.05	0.07
4/ 2/80	0.042	0.004	0.038	0.06	0.10
4/16/80	0.030	0.006	0.024	0.04	0.07
4/30/80	0.005	0.004	< 0.004	0.01	0.02

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S154 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	1.52	1.49	1.53	0.116	0.811
5/29/79	1.10	1.05	1.11		
6/11/79	2.21	2.11	2.26	0.505	0.571
6/25/79	1.43	1.35	1.46	0.339	0.383
7/ 9/79	1.48	1.47	1.49	0.262	0.273
7/23/79	3.14	3.07	3.15	0.183	0.206
8/ 6/79				0.087	0.133
8/20/79	1.36	1.33	1.38	0.035	0.063
9/ 5/79	1.21	1.17	1.22	0.250	0.335
9/18/79	2.77	2.73	2.77	0.802	0.921
10/ 1/79	1.55	1.48	1.56	0.485	0.613
10/15/79	1.68	1.56	1.68	0.758	0.777
10/29/79	2.67	2.43	2.69	0.558	0.653
11/13/79	2.46	2.32	2.53	0.421	0.532
11/27/79	2.27	2.21	2.39		0.256
12/11/79	3.01	3.00	3.31	0.396	0.603
12/27/79	2.64	2.53	2.78	0.392	0.450
1/ 8/80	2.03	2.00	2.16	0.247	0.298
1/22/80	2.65	2.63	2.72	0.158	0.191
2/ 5/80	1.52	1.49	1.58	0.156	0.171
2/19/80	2.20	2.18	2.25	0.094	0.148
3/ 4/80	4.51	4.46	4.54	0.147	0.215
3/18/80	2.79	2.74	2.81	0.175	0.192
4/ 2/80	3.17	3.11	3.21	0.176	0.189
4/16/80	3.48	3.44	3.51	0.145	0.667
4/30/80	1.74	1.73	1.75	0.115	0.174

LAKE OKEECHOBEE T.C.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S154 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	13.6		1=YES
5/29/79	65.8	1.0	2=NO
6/11/79	17.9	2.0	2=NO
6/25/79	18.1		2=NO
7/ 9/79	17.7	2.0	2=NO
7/23/79	8.9		2=NO
8/ 6/79	18.5	1.0	2=NO
8/20/79			2=NO
9/ 5/79		4.0	2=NO
9/18/79	32.0		1=YES
10/ 1/79	24.2		1=YES
10/15/79			2=NO
10/29/79	17.5		2=NO
11/13/79	23.2		2=NO
11/27/79	20.1		2=NO
12/11/79	23.2		2=NO
12/27/79	23.2		2=NO
1/ 8/80	24.9		2=NO
1/22/80	23.3		2=NO
2/ 5/80	19.8		2=NO
2/19/80	18.6		2=NO
3/ 4/80	26.2		2=NO
3/18/80	24.1		2=NO
4/ 2/80	24.9		2=NO
4/16/80	22.7		2=NO
4/30/80	26.4	1.9	2=NO

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S191 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	854.	0.0	25.2	3.0	36.
5/29/79	856.	0.0	25.8	2.4	29.
6/11/79	929.	0.0	28.2	2.7	34.
6/25/79	932.	0.0	28.5	1.5	19.
7/ 9/79	932.	0.0	29.0	1.9	24.
7/23/79	907.	0.0	27.9	1.8	22.
8/ 6/79	1137.	0.0	29.1	1.6	20.
8/20/79	915.	0.0	28.8	5.8	73.
9/ 5/79	1008.	0.0	27.2	3.5	43.
9/18/79	1005.	0.0	28.7	1.1	14.
10/ 1/79	844.	0.0	25.5	3.5	42.
10/15/79	929.	0.0	25.7	1.6	19.
10/29/79	845.	0.0	25.0	2.8	33.
11/13/79	925.	0.0	24.8	2.8	33.
11/27/79	835.	0.0	22.5	5.9	67.
12/11/79	835.	0.0	20.3	5.9	64.
12/27/79	849.	0.0	18.9	5.4	57.
1/ 8/80	1010.	0.0	15.7	6.2	62.
1/22/80	910.	0.0	19.1	7.4	79.
2/ 5/80	845.	0.0	15.1	6.8	67.
2/19/80	915.	0.0	16.4	7.2	73.
3/ 4/80	842.	0.0	16.1	8.1	82.
3/18/80	855.	0.0	22.5	6.2	70.
4/ 2/80	945.	0.0	23.8	5.7	66.
4/16/80	950.	0.0	24.0	4.3	50.
4/30/80	940.	0.0	23.2	3.2	37.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S191 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	490.	6.31	1.8		190.
5/29/79	300.	6.20	1.9	30.0	255.
6/11/79	415.	6.62	1.1	5.0	235.
6/25/79	456.	6.50	0.7	6.0	210.
7/ 9/79	470.		1.0	7.0	170.
7/23/79	530.	6.57	0.9	2.0	215.
8/ 6/79	495.	6.52	1.2	5.0	185.
8/20/79	670.	6.72	4.5	9.0	140.
9/ 5/79	130.	6.23	6.4	22.0	240.
9/18/79	205.	6.38	1.5	4.0	400.
10/ 1/79	160.	6.35	1.8	17.0	260.
10/15/79	282.	6.36	0.8	5.0	280.
10/29/79	360.	6.68	1.6		200.
11/13/79	441.	6.76	2.5	3.0	190.
11/27/79	519.	7.00	2.3	12.0	180.
12/11/79	693.	7.05	6.5	14.0	130.
12/27/79	720.	7.16	1.9	8.0	140.
1/ 8/80	772.	7.11	4.5		120.
1/22/80	720.	7.28	2.5		110.
2/ 5/80	735.	7.14	2.6	5.4	150.
2/19/80	760.	7.15	2.8		125.
3/ 4/80	800.	7.44	1.2	1.0	130.
3/18/80	690.	7.23	1.4	4.0	150.
4/ 2/80	690.	7.43	2.2	21.0	140.
4/16/80	470.	7.64	1.1	5.0	200.
4/30/80	490.	6.81	0.9	2.0	190.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT Y DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S191 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.246	0.048	0.198	0.24	0.49
5/29/79	0.169	0.026	0.143	0.14	0.31
6/11/79	0.134	0.024	0.110	0.23	0.36
6/25/79	0.128	0.056	0.072	0.39	0.52
7/ 9/79	0.182	0.067	0.115	0.59	0.77
7/23/79	0.105	0.028	0.077	0.60	0.70
8/ 6/79	0.279	0.023	0.256	0.20	0.48
8/20/79	0.006	< 0.004	< 0.004	0.49	0.50
9/ 5/79	0.081	0.016	0.065	0.30	0.38
9/18/79	0.008	0.012		0.32	0.33
10/ 1/79	0.149	0.027	0.122	0.26	0.41
10/15/79	0.141	0.060	0.081	0.54	0.68
10/29/79	0.870	0.123	0.747	0.68	1.55
11/13/79	1.599	0.061	1.538	0.26	1.86
11/27/79	1.377	0.032	1.345	0.03	1.41
12/11/79	1.494	0.096	1.398	0.72	2.21
12/27/79	1.487	0.046	1.441	0.08	1.57
1/ 8/80	1.572	0.035	1.537	0.11	1.68
1/22/80	1.410	0.072	1.338	0.03	1.44
2/ 5/80	1.041	0.083	0.958	0.46	1.50
2/19/80	0.763	0.029	0.734	0.18	0.94
3/ 4/80	0.555	0.028	0.527	0.21	0.77
3/18/80					
4/ 2/80	0.086	0.054	0.032	0.11	0.20
4/16/80	0.641	0.137	0.504	0.09	0.73
4/30/80	0.669	0.101	0.568	0.14	0.81

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S191 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	3.71	3.47	3.96	0.208	1.168
5/29/79	2.99	2.85	3.16		
6/11/79	3.32	3.09	3.45	1.055	1.117
6/25/79	1.43	1.04	1.56		1.186
7/ 9/79	2.85	2.26	3.03		
7/23/79	2.17	1.57	2.28	0.536	1.067
8/ 6/79				1.357	1.519
8/20/79	1.82	1.33	1.83	0.878	1.133
9/ 5/79	1.51	1.21	1.59	0.173	0.834
9/18/79	2.70	2.38	2.71	0.957	1.115
10/ 1/79				0.750	0.839
10/15/79	2.07	1.53	2.21		
10/29/79	3.39	2.71	4.26	0.761	0.993
11/13/79	2.23	1.97	3.83	0.750	0.878
11/27/79	2.80	2.77	4.18	0.170	0.649
12/11/79	3.54	2.82	5.03	0.764	0.976
12/27/79	2.33	2.25	3.82	0.900	0.956
1/ 8/80	1.86	1.75	3.43	0.918	0.974
1/22/80	2.65	2.62	4.06	1.132	1.139
2/ 5/80	2.45	1.99	3.49	1.156	1.151
2/19/80	1.97	1.79	2.73	0.878	0.926
3/ 4/80	2.93	2.72	3.49	0.824	0.834
3/18/80				0.695	
4/ 2/80	2.60	2.49	2.69	0.778	0.759
4/16/80	3.25	3.16	3.89	0.997	0.965
4/30/80	3.08	2.94	3.75	0.264	0.993

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	- 4/30/80	MO/DA/YR
DEPTH	0	- .5	METERS
SAMPLE	0.	0.	TYPE

STATION = S191 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	12.4		2=NO
5/29/79	20.1	6.0	2=NO
6/11/79	15.0	2.0	2=NO
6/25/79	19.5		2=NO
7/ 9/79	18.4	2.0	2=NO
7/23/79	14.3		2=NO
8/ 6/79	18.8		2=NO
8/20/79			2=NO
9/ 5/79		7.0	1=YES
9/18/79	34.7		1=YES
10/ 1/79	23.7		1=YES
10/15/79			1=YES
10/29/79	30.5		2=NO
11/13/79	21.1		2=NO
11/27/79	18.0		2=NO
12/11/79			2=NO
12/27/79	17.0		2=NO
1/ 8/80	19.6		2=NO
1/22/80	20.4		2=NO
2/ 5/80	20.7		2=NO
2/19/80	16.9		2=NO
3/ 4/80	24.5		2=NO
3/18/80	20.2		2=NO
4/ 2/80	19.1		1=YES
4/16/80	23.2		2=NO
4/30/80	23.2	2.1	2=NO

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S2 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/15/79	942.	0.0	26.2	3.2	39.
5/30/79	1000.	0.0	27.0	7.7	94.
6/12/79	1014.	0.5	29.0	7.7	97.
6/26/79	917.	0.0	30.0	4.1	53.
7/10/79	838.	0.0	31.4	6.2	81.
7/24/79	948.	0.0	24.6	2.7	32.
8/ 7/79	1001.	0.5	29.8	3.8	49.
8/21/79	900.	0.0	29.6	2.3	29.
9/ 6/79	940.	0.0	28.1	3.9	49.
9/19/79	900.	0.0	28.3	5.5	69.
10/ 1/79	1449.	0.0	26.6	0.9	11.
10/15/79	1536.	0.5	26.1	6.1	74.
10/29/79	1525.	0.0	26.0	6.8	82.
11/14/79	1130.	0.0	23.6	7.2	83.
11/27/79	1432.	0.0	23.6	6.6	76.
12/12/79	1215.	0.5	22.8	5.2	59.
12/28/79	915.	0.0	18.5	7.4	78.
1/ 9/80	1025.	0.0	15.7	9.4	94.
1/23/80	1156.	0.0	20.3	7.1	78.
2/ 5/80	1345.	0.0	15.8	6.7	67.
2/20/80	1205.	0.5	18.6	3.3	35.
3/ 4/80	1354.	0.0	16.9	7.7	79.
3/19/80	1300.	0.0	24.0	7.0	82.
4/ 2/80	1555.	0.5	25.0	7.2	85.
4/17/80	1310.	0.0	24.4	5.1	60.
4/30/80	1520.	0.0	25.2	4.2	50.

LAKE OKEECHOBEE T.C.P. DATA

PROJECT X

DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S2 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/15/79	1200.	7.10	3.3	2.0	80.
5/30/79	735.	8.00	3.6	4.0	40.
6/12/79	705.	8.45	5.7	22.0	35.
6/26/79	687.	7.88	5.3	22.0	35.
7/10/79	682.		3.2	20.0	35.
7/24/79	970.	7.32	2.0	12.0	165.
8/ 7/79	808.	7.46	2.4	10.0	40.
8/21/79	1400.	7.28	2.4	13.0	160.
9/ 6/79	1470.	7.14		2.0	175.
9/19/79	1350.	7.38	1.3	2.0	215.
10/ 1/79	1750.	7.12	1.2	14.0	130.
10/15/79	1492.	7.48	1.4	8.0	100.
10/29/79	1400.	7.70	4.3		65.
11/14/79	1560.	7.37	1.5	15.0	160.
11/27/79	1185.	7.72	2.0	13.0	100.
12/12/79	1261.	7.42	1.2	4.0	90.
12/28/79	1100.	7.65	1.7	3.0	80.
1/ 9/80	490.	8.09	5.2		50.
1/23/80	580.	7.54	2.3		40.
2/ 5/80	1308.	7.55	4.4	1.0	110.
2/20/80	1990.	7.48	0.9		140.
3/ 4/80	1040.	7.76	6.1	24.0	50.
3/19/80	590.	7.93	7.1	11.0	60.
4/ 2/80	630.	7.98	5.6	12.0	40.
4/17/80	1730.	8.04	0.6	2.0	120.
4/30/80	1660.	7.70	1.1	8.0	150.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S2 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/15/79	0.278	0.056	0.222	0.48	0.76
5/30/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
6/12/79	0.129	0.025	0.104	0.02	0.15
6/26/79	0.012	< 0.004	0.008	0.07	0.08
7/10/79	0.024	< 0.004	0.020	< 0.01	0.03
7/24/79	0.104	0.020	0.084	0.44	0.54
8/ 7/79	< 0.004	0.004	< 0.004	0.33	0.33
8/21/79	1.025	0.129	0.896	0.63	1.66
9/ 6/79	0.925	0.204	0.721	1.12	2.05
9/19/79	4.140	0.213	3.927	0.92	5.06
10/ 1/79	2.090	0.245	1.845	2.04	4.13
10/15/79	0.299	0.088	0.211	0.36	0.66
10/29/79	0.264	0.049	0.215	0.16	0.42
11/14/79	3.863	0.201	3.662	0.30	4.16
11/27/79	1.128	0.050	1.078	0.07	1.20
12/12/79	0.865	0.130	0.735	0.47	1.34
12/28/79	0.691	0.075	0.616	0.13	0.82
1/ 9/80	0.084	< 0.004	0.080	0.02	0.10
1/23/80	0.019	0.005	0.014	0.05	0.07
2/ 5/80	2.860	0.144	2.716	0.91	3.77
2/20/80	0.954	0.121	0.833	3.35	4.30
3/ 4/80	0.338	0.047	0.291	0.41	0.75
3/19/80	0.253	< 0.004	0.249	0.05	0.30
4/ 2/80	0.328	0.004	0.324	0.10	0.43
4/17/80	1.474	0.254	1.220	0.95	2.42
4/30/80	4.650	0.056	4.594	0.02	4.67

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES			UNITS
DATE	5/ 1/79	-	4/30/80	MO/DA/YR
DEPTH	0	-	.5	METERS
SAMPLE	0.		0.	TYPE

STATION = S2 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L		OPO4 MG P/L	TPO4 MG P/L
5/15/79	2.89	2.41	3.17		0.026	0.203
5/30/79	1.21	1.20	1.22		0.006	0.084
6/12/79	1.99	1.97	2.12		0.002	0.063
6/26/79	1.60	1.53	1.61	<	0.002	0.058
7/10/79	2.40	2.39	2.42		0.004	0.076
7/24/79	3.56	3.12	3.66		0.019	0.185
8/ 7/79					0.042	0.092
8/21/79	5.51	4.88	6.54		0.042	0.089
9/ 6/79	5.18	4.06	6.11		0.083	0.115
9/19/79	5.08	4.16	9.22		0.049	0.122
10/ 1/79					0.216	0.272
10/15/79	2.85	2.49	3.15		0.024	0.059
10/29/79	3.71	3.55	3.97		0.029	0.085
11/14/79	6.96	6.66	10.82		0.117	0.180
11/27/79	4.56	4.49	5.69		0.064	0.093
12/12/79	3.54	3.07	4.40		0.084	0.105
12/28/79	3.30	3.17	3.99		0.086	0.083
1/ 9/80	1.58	1.56	1.66		0.030	0.074
1/23/80	2.83	2.78	2.85		0.038	0.062
2/ 5/80	4.36	3.45	7.22		0.112	0.130
2/20/80	5.44	2.09	6.39		0.324	0.393
3/ 4/80	3.04	2.63	3.38		0.160	0.195
3/19/80	2.02	1.97	2.27		0.054	0.081
4/ 2/80	3.56	3.46	3.89		0.080	0.090
4/17/80	4.87	3.92	6.34		0.145	0.161
4/30/80	3.96	3.94	8.61		0.021	0.111

LAKE OKEECHOBEE T.C.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S2 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/15/79	23.9		2=NO
5/30/79	20.3	2.0	2=NO
6/12/79	14.1	3.0	2=NO
6/26/79	14.0		2=NO
7/10/79	13.9	3.0	2=NO
7/24/79			1=YES
8/ 7/79	20.4	1.0	2=NO
8/21/79			2=NO
9/ 6/79		3.0	1=YES
9/19/79	51.3		2=NO
10/ 1/79	43.6		1=YES
10/15/79			2=NO
10/29/79	27.6		2=NO
11/14/79	51.0		1=YES
11/27/79	35.9		2=NO
12/12/79	33.4		2=NO
12/28/79	29.4		2=NO
1/ 9/80	18.7		2=NO
1/23/80	17.4		2=NO
2/ 5/80	32.7		2=NO
2/20/80	48.2		2=NO
3/ 4/80	21.3		2=NO
3/19/80	15.3		3=IRG
4/ 2/80	16.6		2=NO
4/17/80			2=NO
4/30/80		2.5	2=NO

LAKE OKEECHOBEE T.C.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S236 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1402.	0.0	27.5	6.8	84.
5/30/79	843.	0.0	26.5	6.3	76.
6/12/79	910.	0.0	26.7	7.1	86.
6/26/79	827.	0.0	28.2	4.9	61.
7/10/79	754.	0.0	29.1	5.2	66.
7/24/79	828.	0.0	25.1	2.3	27.
8/ 7/79	900.	0.0	28.0	3.7	46.
8/21/79	750.	0.0	29.5	4.3	55.
9/ 6/79	850.	0.0	26.2	3.8	46.
9/19/79	750.	0.0	27.7	2.0	25.
10/ 1/79	1410.	0.0	26.7	1.7	21.
10/15/79	1452.	0.0	25.3	4.1	49.
10/29/79	1440.	0.0	26.7	4.6	56.
11/14/79	1045.	0.0	21.6	4.8	54.
11/27/79	1350.	0.0	24.0	5.2	61.
12/12/79	1139.	0.0	22.9	3.0	34.
12/28/79	744.	0.0	17.8	4.4	46.
1/ 9/80	930.	0.0	18.5	5.1	54.
1/23/80	1116.	0.0	21.6	5.7	64.
2/ 5/80	1305.	0.0	14.9	5.8	57.
2/20/80	1125.	0.0	18.6	4.7	50.
3/ 4/80	1316.	0.0	15.5	6.3	63.
3/19/80	1205.	0.0	25.0	7.9	94.
4/ 2/80	1505.	0.0	26.2	5.0	60.
4/17/80	1230.	0.0	23.0	5.4	62.
4/30/80	1435.	0.0	24.9	5.3	63.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S236 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	2350.	7.20	4.4	39.0	125.
5/30/79	1225.	7.52	1.6		95.
6/12/79	990.	7.65	2.3	6.0	85.
6/26/79	850.	7.58	1.3	12.0	65.
7/10/79	810.		2.5	23.1	90.
7/24/79	1100.	7.31	1.7	11.0	150.
8/ 7/79	857.	7.41	3.6	9.0	70.
8/21/79	860.	7.43	1.1	8.0	180.
9/ 6/79	1830.	7.00	9.0	38.0	175.
9/19/79	2020.	7.12	2.6	6.0	165.
10/ 1/79	2000.	7.02	1.0	20.0	160.
10/15/79	1518.	7.45	0.7	7.0	100.
10/29/79	1340.	7.49	1.1		70.
11/14/79	1830.	7.44	1.9	14.0	130.
11/27/79	1368.	7.46	1.2	12.0	100.
12/12/79	1573.	7.26		3.0	
12/28/79	1390.	7.48	0.7	6.0	100.
1/ 9/80	990.	7.48	0.7	8.0	80.
1/23/80	1380.	7.35	0.8		100.
2/ 5/80	1998.	7.60	2.0	4.0	120.
2/20/80	2130.	7.36	0.7		100.
3/ 4/80	2180.	7.41	1.2	< 1.0	120.
3/19/80	1680.	8.16	1.7	4.0	110.
4/ 2/80	1170.	8.04	1.1	2.0	70.
4/17/80	1840.	8.17	0.6	4.0	110.
4/30/80	2170.	7.65	0.7	3.0	100.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S236 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.394	0.109	0.285	0.35	0.74
5/30/79	0.286	0.046	0.240	0.29	0.58
6/12/79	< 0.008	0.037	< 0.004	0.20	0.21
6/26/79	0.217	0.017	0.200	0.07	0.29
7/10/79	5.206	0.053	5.153	0.18	5.39
7/24/79	0.783	0.094	0.689	0.42	1.20
8/ 7/79	0.031	0.015	0.016	0.31	0.34
8/21/79	0.056	0.028	0.028	0.25	0.31
9/ 6/79	3.197	0.042	3.155	1.78	4.98
9/19/79	0.851	0.159	0.692	1.70	2.55
10/ 1/79	0.438	0.101	0.337	1.52	1.96
10/15/79	0.702	0.121	0.581	0.51	1.21
10/29/79	0.370	0.122	0.248	1.77	2.14
11/14/79	0.987	0.087	0.900	1.39	2.38
11/27/79	0.879	0.126	0.753	0.78	1.66
12/12/79	0.865	0.082	0.783	1.38	2.25
12/28/79	0.746	0.165	0.581	0.97	1.72
1/ 9/80	0.574	0.082	0.492	0.82	1.39
1/23/80	0.357	0.067	0.290	0.50	0.86
2/ 5/80	0.746	0.138	0.608	1.83	2.58
2/20/80	0.549	0.103	0.446	1.54	2.09
3/ 4/80	0.946	0.069	0.877	1.29	2.24
3/19/80	0.654	0.079	0.575	0.29	0.94
4/ 2/80	0.442	0.056	0.386	0.54	0.98
4/17/80	1.174	0.109	1.065	0.41	1.58
4/30/80	1.123	0.083	1.040	0.22	1.34

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S236 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L		OPO4 MG P/L	TPO4 MG P/L
5/14/79	3.95	3.60	4.34		0.011	0.134
5/30/79	2.27	1.98	2.56		0.004	0.039
6/12/79	2.49	2.29	2.50		0.004	0.050
6/26/79	1.14	1.07	1.36	<	0.002	0.035
7/10/79	3.25	3.07	8.46	<	0.002	0.074
7/24/79	3.14	2.72	3.92	<	0.002	0.053
8/ 7/79				<	0.002	0.060
8/21/79	2.70	2.45	2.76	<	0.002	0.025
9/ 6/79	6.50	4.72	9.70		0.080	0.119
9/19/79	5.43	3.73	6.28		0.059	0.111
10/ 1/79	3.12	1.60	3.56		0.075	0.085
10/15/79	3.53	3.02	4.23		0.043	0.067
10/29/79	4.04	2.27	4.41		0.026	0.059
11/14/79	3.75	2.36	4.74		0.078	0.080
11/27/79	4.85	4.07	5.73		0.025	0.046
12/12/79	3.84	2.46	4.71		0.044	0.066
12/28/79	3.90	2.93	4.65		0.023	0.031
1/ 9/80	3.94	3.12	4.51		0.018	0.039
1/23/80	3.92	3.42	4.28		0.039	0.047
2/ 5/80	4.76	2.93	5.51		0.041	0.064
2/20/80	4.19	2.65	4.74		0.072	0.073
3/ 4/80	5.58	4.29	6.53		0.052	0.056
3/19/80	4.56	4.27	5.21		0.002	0.056
4/ 2/80	4.41	3.87	4.85		0.086	0.087
4/17/80	3.71	3.30	4.88		0.047	0.061
4/30/80	4.07	3.85	5.19		0.027	0.046

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S236 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	37.3		1=YES
5/30/79	27.6	2.0	2=NO
6/12/79	20.8	2.0	2=NO
6/26/79	17.8		2=NO
7/10/79	20.9	3.0	1=YES
7/24/79	26.9		1=YES
8/ 7/79	23.1	1.0	2=NO
8/21/79			2=NO
9/ 6/79		4.0	2=NO
9/19/79	67.7		2=NO
10/ 1/79	48.3		1=YES
10/15/79			2=NO
10/29/79	27.1		2=NO
11/14/79	44.8		2=NO
11/27/79	34.9		2=NO
12/12/79	37.1		2=NO
12/28/79	28.2		2=NO
1/ 9/80	25.8		2=NO
1/23/80	34.4		2=NO
2/ 5/80	36.5		2=NO
2/20/80	28.2		2=NO
3/ 4/80	43.4		2=NO
3/19/80	34.2		2=NO
4/ 2/80	24.9		2=NO
4/17/80	47.1		2=NO
4/30/80	35.9	2.6	1=YES

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S3 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/15/79	910.	0.0	27.2	4.4	54.
5/30/79	915.	0.0	26.7	6.8	83.
6/12/79	927.	0.5	27.8	7.3	90.
6/26/79	843.	0.0	30.5	6.1	78.
7/10/79	813.	0.0	31.0	5.4	70.
7/24/79	900.	0.0	25.2	5.6	67.
8/ 7/79	916.	0.5	29.5	4.4	56.
8/21/79	832.	0.0	31.0	6.3	82.
9/ 6/79	910.	0.0	27.9	4.1	51.
9/19/79	820.	0.0	27.5	6.1	75.
10/ 1/79	1422.	0.0	26.8	3.1	38.
10/15/79	1510.	0.5	25.9	4.5	54.
10/29/79	1455.	0.0	26.0	7.5	90.
11/14/79	1100.	0.0	23.4	6.0	69.
11/27/79	1404.	0.0	23.7	7.8	90.
12/12/79	1150.	0.5	23.4	6.2	71.
12/28/79	814.	0.0	17.8	6.7	70.
1/ 9/80	950.	0.0	15.9	9.5	95.
1/23/80	1130.	0.0	20.8	8.1	89.
2/ 5/80	1320.	0.0	13.1	10.3	98.
2/20/80	1134.	0.5	17.6	8.3	86.
3/ 4/80	1328.	0.0	15.4	8.6	86.
3/19/80	1225.	0.0	23.1	6.7	77.
4/ 2/80	1520.	0.5	25.0	6.0	71.
4/17/80	1245.	0.0	22.9	7.1	81.
4/30/80	1450.	0.0	23.6	7.4	86.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S3 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/15/79	835.	7.60	4.8	8.0	65.
5/30/79	675.	8.20	4.1	2.0	32.
6/12/79	662.	8.48	6.8	14.0	39.
6/26/79	660.	8.42	5.6	12.0	30.
7/10/79	705.		6.5	14.0	35.
7/24/79	680.	8.23	4.7	19.0	120.
8/ 7/79	670.	8.16	3.3	10.0	30.
8/21/79	555.	8.55	3.2	14.0	30.
9/ 6/79	1100.	7.21	2.1	1.0	140.
9/19/79	822.	7.37	1.7	2.0	120.
10/ 1/79	730.	7.13	1.3	20.0	130.
10/15/79	1054.	7.58	2.0	10.0	80.
10/29/79	970.	7.88	2.4		40.
11/14/79	1002.	7.59	2.9	12.0	80.
11/27/79	670.	7.97	4.2	13.0	50.
12/12/79	1159.	7.50	2.5	4.0	70.
12/28/79	780.	7.60	3.0	5.0	70.
1/ 9/80	500.	8.09	7.0	5.0	50.
1/23/80	570.	8.10	1.9		40.
2/ 5/80	630.	7.96	12.0	14.0	60.
2/20/80	730.	7.79	2.0		50.
3/ 4/80	680.	7.72	12.0	47.0	60.
3/19/80	600.	7.62	7.1	14.0	60.
4/ 2/80	710.	8.09	4.1	6.0	40.
4/17/80	770.	8.23	5.0	8.0	50.
4/30/80	800.	7.98	3.6	9.0	40.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S3 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/15/79	0.079	0.015	0.064	0.15	0.23
5/30/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
6/12/79	< 0.008	< 0.004	< 0.004	0.02	0.03
6/26/79	< 0.008	< 0.004	< 0.004	0.04	0.05
7/10/79	7.129	< 0.004	7.125	0.10	7.23
7/24/79	0.010	0.006	< 0.004	0.06	0.07
8/ 7/79	0.008	0.009		0.11	0.12
8/21/79	0.056	0.008	0.048	0.08	0.14
9/ 6/79	1.911	0.151	1.760	0.88	2.79
9/19/79	2.024	0.105	1.919	0.40	2.42
10/ 1/79	1.757	0.061	1.696	0.37	2.13
10/15/79	0.504	0.045	0.459	0.34	0.84
10/29/79	0.165	0.033	0.132	0.42	0.59
11/14/79	1.069	0.070	0.999	0.47	1.54
11/27/79	0.286	0.006	0.280	0.06	0.35
12/12/79	0.217	0.029	0.188	0.74	0.96
12/28/79	0.266	0.018	0.248	0.38	0.65
1/ 9/80	0.102	< 0.004	0.098	0.11	0.21
1/23/80	0.028	< 0.004	0.024	0.09	0.12
2/ 5/80	0.403	0.012	0.391	0.16	0.56
2/20/80	0.184	< 0.004	0.180	0.22	0.40
3/ 4/80	0.204	0.010	0.194	0.38	0.58
3/19/80	0.224	< 0.004	0.220	0.07	0.29
4/ 2/80	0.284	0.008	0.276	0.25	0.53
4/17/80	0.239	< 0.004	0.235	0.18	0.42
4/30/80	0.081	0.006	0.075	0.62	0.70

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES			UNITS
DATE	5/ 1/79	-	4/30/80	MO/DA/YR
DEPTH	0	-	.5	METERS
SAMPLE	0.		0.	TYPE

STATION = S3 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L		OPO4 MG P/L	TPO4 MG P/L
5/15/79	2.49	2.34	2.57		0.004	0.060
5/30/79	1.82	1.81	1.83		0.003	0.058
6/12/79	1.77	1.75	1.78		0.002	0.059
6/26/79	1.54	1.50	1.55	<	0.002	0.039
7/10/79	2.22	2.12	9.35	<	0.002	0.043
7/24/79	3.74	3.68	3.75	<	0.002	0.052
8/ 7/79				<	0.002	0.046
8/21/79	2.24	2.16	2.30	<	0.002	0.021
9/ 6/79	3.68	2.80	5.59		0.118	0.176
9/19/79	3.47	3.07	5.49			
10/ 1/79					0.080	0.108
10/15/79	2.17	1.83	2.67	<	0.002	0.031
10/29/79	2.63	2.21	2.80	<	0.002	0.033
11/14/79	8.00	7.53	9.07		0.038	0.068
11/27/79	2.63	2.57	2.92		0.051	0.079
12/12/79	2.64	1.90	2.86		0.030	0.056
12/28/79	2.70	2.32	2.97		0.059	0.074
1/ 9/80	1.69	1.58	1.79		0.030	0.076
1/23/80	2.02	1.93	2.05		0.020	0.043
2/ 5/80	1.58	1.42	1.98		0.064	0.081
2/20/80	2.26	2.04	2.44		0.024	0.052
3/ 4/80	2.76	2.38	2.96		0.039	0.057
3/19/80	1.57	1.50	1.79		0.050	0.081
4/ 2/80	2.49	2.24	2.77		0.076	0.076
4/17/80	2.96	2.78	3.20		0.024	0.055
4/30/80	2.45	1.83	2.53		0.038	0.081

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	C.	0.	TYPE

STATION = S3 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/15/79	27.3		2=NO
5/30/79	15.1	2.0	2=NO
6/12/79	14.9	3.0	2=NO
6/26/79	13.6		2=NO
7/10/79	15.4	3.0	2=NO
7/24/79			2=NO
8/ 7/79	20.8	1.0	2=NO
8/21/79			2=NO
9/ 6/79		3.0	1=YES
9/19/79	32.3		2=NO
10/ 1/79	44.8		1=YES
10/15/79			1=YES
10/29/79	20.4		2=NO
11/14/79	31.9		2=NO
11/27/79	17.4		2=NO
12/12/79	24.8		2=NO
12/28/79	19.2		2=NO
1/ 9/80	17.2		2=NO
1/23/80	17.7		2=NO
2/ 5/80	17.2		2=NO
2/20/80	21.1		2=NO
3/ 4/80	20.5		2=NO
3/19/80	17.2		2=NO
4/ 2/80	16.6		2=NO
4/17/80	22.9		2=NO
4/30/80	17.7	2.8	3=IRG

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S4 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1335.	0.0	29.0	13.8	174.
5/29/79	1342.	0.0	29.7	11.0	140.
6/12/79	740.	0.0	28.8	4.7	59.
6/25/79	1420.	0.0	31.7	4.5	59.
7/ 9/79	1405.	0.0	33.1	7.2	96.
7/23/79	1345.	0.0	29.4	6.1	78.
8/ 7/79	826.	0.0	29.3	3.6	46.
8/20/79	1408.	0.0	31.5	4.6	60.
9/ 6/79	815.	0.0	27.8	1.6	20.
9/18/79	1450.	0.0	31.0	4.7	61.
10/ 1/79	1327.	0.0	26.2	0.4	5.
10/15/79	1400.	0.0	25.8	4.9	59.
10/29/79	1410.	0.0	25.4	4.1	49.
11/14/79	1030.	0.0	22.2	4.1	46.
11/27/79	1240.	0.0	23.2	6.8	78.
12/12/79	1044.	0.0	22.9	2.7	31.
12/27/79	1330.	0.0	21.4	6.7	75.
1/ 9/80	905.	0.0	16.8	7.8	80.
1/23/80	1057.	0.0	21.6	5.8	65.
2/ 5/80	1230.	0.0	15.2	7.7	76.
2/20/80	1100.	0.0	18.3	5.9	62.
3/ 4/80	1237.	0.0	14.1	8.3	80.
3/19/80	1140.	0.0	23.8	6.2	72.
4/ 2/80	1430.	0.0	25.6	5.7	68.
4/17/80	1200.	0.0	24.6	5.3	62.
4/30/80	1400.	0.0	23.3	4.9	56.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTIN(

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S4 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	825.	8.00	3.4	10.0	110.
5/29/79	715.	8.30	3.3	2.0	50.
6/12/79	520.	7.50	2.0	5.0	80.
6/25/79	678.	7.55	2.6	24.0	50.
7/ 9/79	668.		2.5	5.0	55.
7/23/79	670.	7.47	3.3	18.0	75.
8/ 7/79	645.	7.42	3.0	7.0	45.
8/20/79	550.	7.30	2.0	10.0	45.
9/ 6/79	655.	6.96	1.4	9.0	150.
9/18/79	560.	7.18	1.3	2.0	265.
10/ 1/79	610.	6.90	0.6	18.0	320.
10/15/79	835.	7.32	0.8	5.0	90.
10/29/79	720.	7.40	1.5		20.
11/14/79	1196.	7.49	2.0	29.0	100.
11/27/79	1034.	7.44	1.1		100.
12/12/79	1379.	7.28	1.0		100.
12/27/79	1000.	7.70	1.1	1.0	
1/ 9/80		7.67			50.
1/23/80	853.	7.43	0.9		110.
2/ 5/80	968.	7.64	2.2	2.7	140.
2/20/80	1150.	7.50	0.7		110.
3/ 4/80	620.	7.75	11.0	25.0	40.
3/19/80	580.	7.80	8.9	13.0	60.
4/ 2/80	850.	7.96	1.6	5.0	60.
4/17/80	680.	7.99	0.6	< 1.0	80.
4/30/80	690.	7.62	1.4	12.0	140.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S4 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.049	0.031	0.018	< 0.01	0.06
5/29/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
6/12/79	< 0.008	< 0.004	< 0.004	0.02	0.03
6/25/79	< 0.008	< 0.004	< 0.004	0.02	0.03
7/ 9/79	< 0.008	< 0.004	< 0.004	0.01	0.02
7/23/79	0.187	0.019	0.168	0.09	0.28
8/ 7/79	0.181	< 0.004	0.177	0.02	0.20
8/20/79	< 0.004	0.005	< 0.004	0.03	0.03
9/ 6/79	< 0.004	0.067	< 0.004	1.14	1.14
9/18/79	0.125	0.031	0.094	1.03	1.16
10/ 1/79	< 0.004	0.038	< 0.004	1.08	1.08
10/15/79	0.211	0.068	0.143	0.10	0.31
10/29/79	0.086	0.016	0.070	0.09	0.18
11/14/79	0.078	0.050	0.028	0.54	0.62
11/27/79	0.441	0.135	0.306	0.22	0.66
12/12/79	1.152	0.095	1.057	0.68	1.83
12/27/79	0.528	0.172	0.356	0.21	0.74
1/ 9/80	0.193	0.008	0.185	0.05	0.24
1/23/80	0.692	0.089	0.603	1.72	2.41
2/ 5/80	1.261	0.138	1.123	0.94	2.20
2/20/80	0.723	0.067	0.656	1.16	1.88
3/ 4/80	0.240	0.008	0.232	0.09	0.33
3/19/80	0.251	< 0.004	0.247	0.05	0.30
4/ 2/80	0.177	0.017	0.160	0.18	0.36
4/17/80	0.532	0.049	0.483	0.19	0.72
4/30/80	0.449	0.015	0.434	0.03	0.48

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S4 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L		OPO4 MG P/L	TPO4 MG P/L
5/14/79	3.07	3.06	3.12		0.042	0.494
5/29/79	1.38	1.37	1.39		0.003	0.065
6/12/79	2.21	2.19	2.22		0.005	0.048
6/25/79	1.20	1.18	1.21	<	0.002	0.031
7/ 9/79	2.45	2.44	2.46	<	0.002	0.036
7/23/79	2.71	2.62	2.90		0.009	0.067
8/ 7/79				<	0.002	0.069
8/20/79	2.13	2.10	2.13		0.003	0.027
9/ 6/79	2.71	1.57	2.71		0.566	0.551
9/18/79	3.89	2.86	4.02		0.945	1.024
10/ 1/79	4.03	2.95	4.03		1.247	1.412
10/15/79	1.61	1.51	1.82		0.043	0.082
10/29/79	2.89	2.80	2.98	<	0.002	0.030
11/14/79	4.04	3.50	4.12		0.100	0.132
11/27/79	3.39	3.17	3.83		0.030	0.118
12/12/79	3.24	2.56	4.39		0.110	0.705
12/27/79	3.06	2.85	3.59		0.147	0.152
1/ 9/80	1.69	1.64	1.88		0.041	0.094
1/23/80	3.52	1.80	4.21		0.521	0.502
2/ 5/80	3.72	2.78	4.98		0.386	0.414
2/20/80	3.96	2.80	4.68		0.461	0.508
3/ 4/80	2.14	2.05	2.38		0.060	0.079
3/19/80	3.34	3.29	3.59		0.051	0.088
4/ 2/80	3.06	2.88	3.24		0.126	0.141
4/17/80	1.81	1.62	2.34		0.198	0.195
4/30/80	1.98	1.95	2.43		0.040	0.081

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S4 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	23.9		2=NO
5/29/79	18.0	3.0	2=NO
6/12/79	17.9	2.0	2=NO
6/25/79	14.8		2=NO
7/ 9/79	20.1	4.0	2=NO
7/23/79	14.0		1=YES
8/ 7/79	20.8	2.0	2=NO
8/20/79			2=NO
9/ 6/79		5.0	2=NO
9/18/79	35.0		2=NO
10/ 1/79	40.9		1=YES
10/15/79			1=YES
10/29/79	14.9		2=NO
11/14/79	34.3		1=YES
11/27/79	29.4		2=NO
12/12/79	31.5		2=NO
12/27/79	27.2		2=NO
1/ 9/80	17.8		2=NO
1/23/80	30.6		2=NO
2/ 5/80	33.9		2=NO
2/20/80	27.3		2=NO
3/ 4/80	16.7		2=NO
3/19/80	17.0		3=IRG
4/ 2/80	20.2		2=NO
4/17/80	29.0		2=NO
4/30/80	18.2	1.9	2=NO

LAKE OKEECHOBEE T.D.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S65E CODE

DATE MO/DA/YR	TIME HOUR.MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	951.	0.0	25.4	6.9	82.
5/29/79	1002.	0.0	27.2	7.1	87.
6/11/79	1103.	0.0	29.5	5.4	69.
6/25/79	1052.	0.0	30.0	5.0	64.
7/ 9/79	1044.	0.0	31.1	8.3	108.
7/23/79	1030.	0.0	27.2	5.1	63.
8/ 6/79	1345.	0.0	30.2	3.8	49.
8/20/79	1051.	0.0	28.9	2.0	25.
9/ 5/79	1145.	0.0	28.2	6.6	82.
9/18/79	1125.	0.0	28.0	3.5	44.
10/ 1/79	1017.	0.0	26.7	4.5	55.
10/15/79	1051.	0.0	25.7	4.8	58.
10/29/79	1015.	0.0	25.0	5.5	65.
1/ 8/80	1120.	0.0	15.8	8.8	88.
2/19/80	1015.	0.0	15.1	8.8	87.
3/ 4/80	951.	0.0	15.8	9.1	91.
3/18/80	945.	0.0	22.5	8.2	93.
4/ 2/80	1125.	0.0	23.3	5.6	64.
4/30/80	1105.	0.0	24.0	6.3	73.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S65E CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	220.	6.80	1.8		90.
5/29/79	190.	6.60	1.8		90.
6/11/79	190.	6.60	1.1	5.0	130.
6/25/79	210.	6.40	1.0		120.
7/ 9/79	195.		1.2	5.0	115.
7/23/79	170.	6.50	0.9	4.0	135.
8/ 6/79	165.	6.51	1.4	8.0	100.
8/20/79	105.	6.00	1.0	5.0	135.
9/ 5/79	120.	6.45	2.2	3.0	170.
9/18/79	120.	6.05	1.9	4.0	240.
10/ 1/79	142.	6.30	0.8	12.0	
10/15/79	122.	6.23	2.5	9.0	130.
10/29/79	110.	6.48	1.4		70.
1/ 8/80	140.	6.97		4.0	200.
2/19/80	150.	7.01	1.3		100.
3/ 4/80	140.	7.40	1.0	6.0	100.
3/18/80	120.	7.51	1.4	2.0	110.
4/ 2/80	130.	6.94	2.3	2.0	100.
4/30/80	150.	6.88	0.9	2.0	110.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S65E CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.043	0.009	0.034	0.01	0.05
5/29/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
6/11/79	0.011	< 0.004	0.007	0.09	0.10
6/25/79	0.037	0.042		0.05	0.09
7/ 9/79	< 0.008	< 0.004	< 0.004	< 0.01	< 0.01
7/23/79	< 0.008	< 0.004	< 0.004	0.15	0.16
8/ 6/79	< 0.004	< 0.004	< 0.004	0.04	0.04
8/20/79	0.041	< 0.004	0.037	0.25	0.29
9/ 5/79	0.025	0.010	0.015	0.16	0.19
9/18/79	0.017	0.008	0.009	0.09	0.11
10/ 1/79	0.033	0.007	0.026	0.09	0.12
10/15/79	0.027	0.005	0.022	0.08	0.11
10/29/79	0.067	0.018	0.049	0.19	0.26
1/ 8/80	0.079	< 0.004	0.075	0.11	0.19
2/19/80	0.108	0.005	0.103	0.07	0.18
3/ 4/80	0.062	< 0.004	0.058	0.05	0.11
3/18/80	0.024	< 0.004	0.020	0.04	0.06
4/ 2/80	0.065	0.013	0.052	0.14	0.21
4/30/80	0.105	0.044	0.061	0.11	0.22

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S65E CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	3.25	3.24	3.29	0.040	0.085
5/29/79	0.87	0.86	0.88	0.061	0.119
6/11/79	1.66	1.57	1.67	0.188	0.220
6/25/79	0.92	0.87	0.96	0.191	0.212
7/ 9/79	1.65	1.64	1.66	0.108	0.178
7/23/79	1.99	1.84	2.00	0.064	0.103
8/ 6/79				0.046	0.077
8/20/79	1.93	1.68	1.97	0.067	0.087
9/ 5/79	1.21	1.05	1.24	0.152	0.196
9/18/79	1.93	1.84	1.95	0.194	0.233
10/ 1/79	0.24	0.15	0.27	0.099	0.144
10/15/79	0.81	0.73	0.84	0.039	0.059
10/29/79	0.58	0.39	0.65	0.040	0.059
1/ 8/80	1.63	1.52	1.71	0.005	0.041
2/19/80	2.09	2.02	2.20	0.022	0.042
3/ 4/80	1.85	1.80	1.91	0.018	0.058
3/18/80	1.91	1.87	1.93	0.014	0.039
4/ 2/80	2.15	2.01	2.22	0.035	0.057
4/30/80	0.93	0.82	1.03	0.038	0.067

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S65E CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	3.5		1=YES
5/29/79	93.9	1.0	1=YES
6/11/79	10.8	2.0	1=YES
6/25/79	13.4		2=NO
7/ 9/79	12.7	3.0	2=NO
7/23/79	5.6		2=NO
8/ 6/79	14.8	1.0	1=YES
8/20/79			1=YES
9/ 5/79		4.0	1=YES
9/18/79	19.5		1=YES
10/ 1/79	19.3		1=YES
10/15/79			1=YES
10/29/79	10.8		2=NO
1/ 8/80	16.9		1=YES
2/19/80	14.1		1=YES
3/ 4/80	18.4		1=YES
3/18/80	16.2		1=YES
4/ 2/80	15.3		1=YES
4/30/80	17.7	1.7	1=YES

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S71 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1221.	0.0	26.4	5.5	67.
5/29/79	1211.	0.0	27.7	5.1	63.
6/11/79	1328.	0.0	30.8	5.6	72.
6/25/79	1239.	0.0	29.0	2.7	34.
7/ 9/79	1239.	0.0	31.8	5.4	71.
7/23/79	1227.	0.0	29.0	3.7	47.
8/ 6/79	1544.	0.0	29.4	3.2	41.
8/20/79	1242.	0.0	29.3	0.3	4.
9/ 5/79	1402.	0.0	27.6	4.7	58.
9/18/79	1323.	0.0	28.5	2.7	34.
10/ 1/79	1148.	0.0	27.0	3.5	43.
10/15/79	1241.	0.0	25.9	2.1	25.
10/29/79	1215.	0.0	25.4	2.6	31.
11/14/79	800.	0.0	23.2	5.2	60.
11/27/79	1133.	0.0	22.9	5.6	64.
12/12/79	810.	0.0	20.2	5.0	54.
12/27/79	1148.	0.0	19.0	6.5	69.
1/ 8/80	1345.	0.0	16.9	6.2	64.
1/23/80	845.	0.0	17.7	5.4	56.
2/ 5/80	1105.	0.0	15.4	8.4	84.
2/20/80	830.	0.0	16.2	7.7	78.
3/ 4/80	1106.	0.0	16.5	8.3	84.
3/19/80	900.	0.0	22.4	6.6	75.
4/ 2/80	1235.	0.0	23.9	4.3	50.
4/17/80	900.	0.0	23.9	5.1	59.
4/30/80	1230.	0.0	24.8	5.2	61.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S71 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	200.	5.99	1.8	4.0	120.
5/29/79	245.	6.05	1.6		185.
6/11/79	295.	6.38	1.9	5.0	160.
6/25/79	318.	6.20	1.8	6.0	160.
7/ 9/79	220.		2.0	5.0	100.
7/23/79	150.	5.95	1.6	3.0	180.
8/ 6/79	174.	6.28	1.6	4.0	130.
8/20/79	238.	5.60	1.7	10.0	320.
9/ 5/79	170.	5.88	2.2	14.0	370.
9/18/79	162.	5.90	3.4	5.0	410.
10/ 1/79	160.	5.65	1.4	19.0	320.
10/15/79	190.	6.05	2.0	10.0	220.
10/29/79	180.	6.14	1.7		190.
11/14/79	250.	6.71	1.8	12.0	230.
11/27/79	284.	6.66	1.2	37.0	240.
12/12/79	289.	6.52	1.3	2.0	180.
12/27/79	230.	6.63	1.0		160.
1/ 8/80	200.	6.88	1.3	3.0	160.
1/23/80	258.	6.72	1.3		160.
2/ 5/80	201.	6.88	2.2	8.0	110.
2/20/80	240.	6.82	1.5		140.
3/ 4/80	220.	7.25	0.9	< 1.0	110.
3/19/80	250.	7.21	1.2	3.0	140.
4/ 2/80	200.	7.06	2.5	5.0	150.
4/17/80	150.	7.75	0.8	< 1.0	160.
4/30/80	170.	6.54	1.2	2.0	120.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT Y DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	4/30/80	MO/DA/YR
DEPTH	0	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S71 CODE

DATE MO/DA/YR	NOX MG N/L		NO2 MG N/L		NO3 MG N/L		NH4 MG N/L		NOX+NH4 MG N/L
5/14/79	0.213		0.006		0.207		0.02		0.23
5/29/79	0.134		0.008		0.126		0.04		0.17
6/11/79	0.222		0.017		0.205		0.12		0.34
6/25/79	0.216		0.016		0.200		0.29		0.51
7/ 9/79	0.217		0.010		0.207		0.09		0.31
7/23/79	0.364		0.008		0.356		0.15		0.51
8/ 6/79	0.387	<	0.004		0.383		0.02		0.41
8/20/79	0.187	<	0.004		0.183		0.49		0.68
9/ 5/79	0.012		0.023				0.31		0.32
9/18/79	0.107		0.016		0.091		0.35		0.46
10/ 1/79	0.013		0.013	<	0.004		0.25		0.26
10/15/79	0.214		0.010		0.204		0.16		0.37
10/29/79	0.651		0.040		0.611		0.15		0.80
11/14/79	1.171		0.012		1.159		0.08		1.25
11/27/79	1.294		0.021		1.273		0.05		1.34
12/12/79	1.540		0.023		1.517		0.10		1.64
12/27/79	1.662		0.019		1.643		0.05		1.71
1/ 8/80	0.377		0.005		0.372		0.05		0.43
1/23/80	1.117		0.047		1.070	<	0.01		1.13
2/ 5/80	3.603		0.007		3.596		0.14		3.74
2/20/80	0.624		0.007		0.617		0.06		0.68
3/ 4/80	1.719		0.007		1.712		0.04		1.76
3/19/80	1.335		0.009		1.326		0.06		1.40
4/ 2/80	0.075		0.006		0.069		0.10		0.18
4/17/80	0.320	<	0.004		0.316		0.05		0.37
4/30/80	0.412		0.007		0.405		0.03		0.44

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S71 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	1.38	1.36	1.59	0.083	0.122
5/29/79	2.21	2.17	2.34	0.109	0.194
6/11/79	1.44	1.32	1.66	0.087	0.143
6/25/79	1.48	1.19	1.70	0.138	0.221
7/ 9/79	1.02	0.93	1.24	0.104	0.160
7/23/79	3.20	3.05	3.56	0.226	0.246
8/ 6/79				0.260	0.275
8/20/79	2.93	2.44	3.12	0.618	0.772
9/ 5/79	3.13	2.82	3.14	0.456	0.564
9/18/79	2.91	2.56	3.02	0.333	0.415
10/ 1/79	1.90	1.65	1.91	0.188	0.281
10/15/79	1.61	1.45	1.82	0.086	0.113
10/29/79	2.25	2.10	2.90	0.092	0.135
11/14/79	2.70	2.62	3.87	0.081	0.104
11/27/79	3.91	3.86	5.20	0.092	0.320
12/12/79	2.46	2.36	4.00	0.081	0.110
12/27/79	1.85	1.80	3.51	0.080	0.130
1/ 8/80	1.63	1.58	2.01	0.104	0.128
1/23/80	2.08	2.07	3.20	0.067	0.063
2/ 5/80	1.52	1.38	5.12	0.072	0.090
2/20/80	1.97	1.91	2.59	0.056	0.121
3/ 4/80	2.70	2.66	4.42	0.052	0.085
3/19/80	1.79	1.73	3.13	0.043	0.060
4/ 2/80	1.82	1.72	1.90	0.077	0.095
4/17/80	1.75	1.70	2.07	0.046	0.132
4/30/80	1.42	1.39	1.83	0.063	0.092

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S71 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	12.4		1=YES
5/29/79	18.1	1.0	2=NO
6/11/79	20.0	2.0	2=NO
6/25/79	12.1		2=NO
7/ 9/79	11.0	2.0	2=NO
7/23/79	6.0		2=NO
8/ 6/79	13.7	1.0	2=NO
8/20/79			2=NO
9/ 5/79		4.0	1=YES
9/18/79	37.8		1=YES
10/ 1/79	31.4		1=YES
10/15/79			1=YES
10/29/79	12.3		2=NO
11/14/79	27.5		2=NO
11/27/79	25.1		2=NO
12/12/79	21.1		2=NO
12/27/79	16.4		2=NO
1/ 8/80	20.9		2=NO
1/23/80	21.0		2=NO
2/ 5/80	11.3		2=NO
2/20/80	14.4		2=NO
3/ 4/80	14.7		2=NO
3/19/80	17.2		2=NO
4/ 2/80	17.2		2=NO
4/17/80	17.0		1=YES
4/30/80	18.3	1.2	1=YES

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S72 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1150.	0.0	28.0	4.3	53.
5/29/79	1109.	0.0	26.7	2.8	34.
6/11/79	1245.	0.0	30.7	2.5	32.
6/25/79	1200.	0.0	29.5	2.9	37.
7/ 9/79	1205.	0.0	32.1	4.2	55.
7/23/79	1200.	0.0	28.2	5.8	72.
8/ 6/79	1504.	0.0	29.3	1.8	23.
8/20/79	1205.	0.0	29.9	3.5	45.
9/ 5/79	1320.	0.0	28.2	4.2	52.
9/18/79	1248.	0.0	29.3	0.8	10.
10/ 1/79	1119.	0.0	27.2	1.3	16.
10/15/79	1207.	0.0	26.0	1.3	16.
10/29/79	1145.	0.0	24.6	2.1	25.
11/14/79	855.	0.0	23.0	4.6	53.
11/27/79	1105.	0.0	22.8	5.1	58.
12/12/79	842.	0.0	19.4	4.4	47.
12/27/79	1116.	0.0	18.9	5.7	61.
1/ 8/80	1245.	0.0	15.1	6.2	61.
1/23/80	940.	0.0	19.3	5.7	61.
2/ 5/80	1035.	0.0	15.0	8.4	83.
2/20/80	920.	0.0	16.6	7.7	78.
3/ 4/80	1038.	0.0	15.7	8.3	83.
3/19/80	1000.	0.0	22.8	6.2	71.
4/ 2/80	1315.	0.0	23.7	3.9	45.
4/17/80	1020.	0.0	24.3	6.0	70.
4/30/80	1200.	0.0	25.3	7.2	86.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION * S72 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	260.	6.00	1.9	2.0	140.
5/29/79	290.	6.10	1.6		195.
6/11/79	385.	6.50	3.2	9.0	188.
6/25/79	378.	6.48	2.5	34.0	185.
7/ 9/79	290.		2.0	6.0	140.
7/23/79	418.	7.15	1.1	6.0	170.
8/ 6/79	316.	6.39	1.7	10.0	205.
8/20/79	325.	5.90	4.1	18.0	170.
9/ 5/79	165.	6.20	3.0	6.0	290.
9/18/79	150.	6.03	9.4	10.3	500.
10/ 1/79	200.	6.00	2.0	15.0	360.
10/15/79	249.	6.38	1.5	12.0	340.
10/29/79	190.	6.51	1.5		285.
11/14/79	299.	6.95	2.0	14.0	300.
11/27/79	315.	6.96	1.6	5.0	300.
12/12/79	300.	6.86	2.0	2.0	250.
12/27/79	410.	7.11	1.5		240.
1/ 8/80	444.	7.12	1.5	1.0	230.
1/23/80	293.	6.74	2.4		180.
2/ 5/80	249.	7.03	2.4	1.4	160.
2/20/80	230.	6.81	1.4	3.0	160.
3/ 4/80	360.	7.40	1.7 <	1.0	170.
3/19/80	400.	6.88	1.6 <	1.0	700.
4/ 2/80	280.	6.82	1.2	5.0	140.
4/17/80	250.	7.59	1.7 <	1.0	170.
4/30/80	200.	7.02	1.2	5.0	130.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	- 4/30/80	MO/DA/YR
DEPTH	0	- .5	METERS
SAMPLE	0.	0.	TYPE

STATION = S72 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.039	0.004	0.035	0.01	0.05
5/29/79	< 0.008	0.008	< 0.004	0.01	0.02
6/11/79	< 0.008	< 0.004	< 0.004	0.02	0.03
6/25/79	0.020	0.008	0.012	0.04	0.06
7/ 9/79	0.048	< 0.004	0.044	0.05	0.10
7/23/79	0.060	< 0.004	0.056	0.05	0.11
8/ 6/79	0.013	0.008	0.005	0.11	0.12
8/20/79	0.030	0.005	0.025	0.66	0.69
9/ 5/79	0.171	0.021	0.150	0.17	0.34
9/18/79	< 0.004	0.017	< 0.004	0.48	0.48
10/ 1/79	0.044	0.017	0.027	< 0.01	0.05
10/15/79	< 0.004	0.007	< 0.004	0.36	0.36
10/29/79	0.115	0.033	0.082	0.24	0.36
11/14/79	0.378	0.018	0.360	0.11	0.49
11/27/79	0.524	0.012	0.512	0.07	0.59
12/12/79	0.185	0.014	0.171	< 0.01	0.20
12/27/79	0.309	0.012	0.297	0.05	0.36
1/ 8/80	0.169	0.007	0.162	0.15	0.32
1/23/80	0.423	0.021	0.402	0.04	0.46
2/ 5/80	0.741	0.009	0.732	0.06	0.80
2/20/80	0.142	0.005	0.137	0.04	0.18
3/ 4/80	0.086	0.006	0.080	0.08	0.17
3/19/80	0.167	< 0.004	0.163	0.06	0.23
4/ 2/80	1.266	0.042	1.224	0.08	1.35
4/17/80	0.104	< 0.004	0.100	0.06	0.16
4/30/80	< 0.004	0.006	< 0.004	0.02	0.02

LAKE OKEECHOBEE T.C.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S72 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	1.49	1.48	1.53	0.069	0.115
5/29/79	2.27	2.26	2.28	0.366	0.461
6/11/79	1.33	1.31	1.34	0.065	0.206
6/25/79	1.65	1.61	1.67	0.110	0.224
7/ 9/79	2.91	2.86	2.96	0.081	0.137
7/23/79	2.41	2.36	2.47	0.166	0.179
8/ 6/79				0.289	0.377
8/20/79	2.56	1.90	2.59	0.065	0.170
9/ 5/79	1.93	1.76	2.10	0.197	0.251
9/18/79	3.19	2.71	3.19	0.121	0.299
10/ 1/79	1.97	1.96	2.01	0.115	0.253
10/15/79	1.99	1.63	1.99	0.127	0.177
10/29/79	2.69	2.45	2.81	0.098	0.132
11/14/79	7.02	6.91	7.40	0.108	0.139
11/27/79	2.84	2.77	3.36	0.098	
12/12/79	2.33	2.32	2.51	0.105	0.182
12/27/79	2.52	2.47	2.83		
1/ 8/80	2.14	1.99	2.31	0.120	0.156
1/23/80	2.14	2.10	2.56	0.076	0.085
2/ 5/80	1.58	1.52	2.32	0.066	0.094
2/20/80	2.44	2.40	2.58	0.055	0.089
3/ 4/80	2.98	2.90	3.07	0.042	0.074
3/19/80	2.68	2.62	2.85	0.059	0.081
4/ 2/80	2.04	1.96	3.31	0.064	0.074
4/17/80	2.39	2.33	2.49	0.111	0.127
4/30/80	1.65	1.63	1.65	0.043	0.097

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S72 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	13.6		2=NO
5/29/79	23.8	5.0	2=NO
6/11/79	22.4	4.0	2=NO
6/25/79	22.2		2=NO
7/ 9/79	14.7	2.0	2=NO
7/23/79	8.9		2=NO
8/ 6/79	23.1	1.0	2=NO
8/20/79			2=NO
9/ 5/79		5.0	1=YES
9/18/79	38.8		1=YES
10/ 1/79	32.3		1=YES
10/15/79			1=YES
10/29/79	26.2		2=NO
11/14/79	30.3		2=NO
11/27/79	26.0		2=NO
12/12/79	25.7		2=NO
12/27/79	26.9		2=NO
1/ 8/80	29.2		2=NO
1/23/80	23.3		2=NO
2/ 5/80	17.2		2=NO
2/20/80	16.1		2=NO
3/ 4/80	27.1		2=NO
3/19/80	27.7		2=NO
4/ 2/80	18.3		2=NO
4/17/80	18.6		1=YES
4/30/80	17.7	2.3	2=NO

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES			UNITS
DATE	5/ 1/79	-	4/30/80	MO/DA/YR
DEPTH	0	-	.5	METERS
SAMPLE	0.		0.	TYPE

STATION = S77 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1312.	0.0	27.5	2.8	35.
5/29/79	1317.	0.0	30.0	8.7	112.
6/11/79	1436.	0.0	29.4	6.5	83.
6/25/79	1347.	0.0	30.5	6.1	78.
7/ 9/79	1342.	0.0	31.0	4.9	63.
7/23/79	1324.	0.0	29.9	9.6	123.
8/ 6/79	1650.	0.0	31.5	7.2	94.
8/20/79	1344.	0.0	31.0	4.3	56.
9/ 5/79	1505.	0.0	27.7	5.0	62.
9/18/79	1425.	0.0	28.8	2.6	33.
10/ 1/79	1247.	0.0	26.2	1.4	17.
10/15/79	1333.	0.0	25.7	3.5	42.
10/29/79	1325.	0.0	25.3	2.8	33.
11/14/79	1015.	0.0	22.8	4.1	47.
11/27/79	1220.	0.0	23.2	4.0	46.
12/12/79	1023.	0.0	21.1	3.0	33.
12/27/79	1256.	0.0	20.7	4.0	44.
1/ 8/80	1445.	0.0	16.4	6.8	69.
3/19/80	1120.	0.0	23.3	4.3	49.
4/ 2/80	1410.	0.0	25.1	2.6	31.
4/17/80	1140.	0.0	22.9	6.0	69.
4/30/80	1340.	0.0	23.3	5.2	60.

LAKE OKEECHOBEE T.C.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S77 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	1100.	7.10	1.5		105.
5/29/79	570.	7.45	1.5		70.
6/11/79	685.	7.62	2.6	8.0	60.
6/25/79	680.	7.65	3.0	18.0	45.
7/ 9/79	690.		2.3	9.0	55.
7/23/79	572.	8.00	1.8	9.0	85.
8/ 6/79	609.	8.17	2.3	13.0	45.
8/20/79	360.	7.10	1.9	13.0	90.
9/ 5/79	850.	7.36	1.7	13.0	110.
9/18/79	790.	7.17	1.5	2.0	210.
10/ 1/79	842.	7.05	0.7	11.0	160.
10/15/79	612.	7.13	0.6	4.0	70.
10/29/79	625.	7.23	1.0		40.
11/14/79	686.	7.47	1.4	12.0	50.
11/27/79	600.	7.36	0.6	10.0	90.
12/12/79	798.	7.32	1.0	2.0	70.
12/27/79	570.	7.34	0.6	2.0	60.
1/ 8/80	500.	7.39	1.4		50.
3/19/80	550.	7.35	2.7	6.0	60.
4/ 2/80	610.	7.50	0.8	5.0	60.
4/17/80	600.	8.26	1.4	3.0	50.
4/30/80	570.	7.53	1.4	3.0	35.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S77 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.430	0.121	0.309	0.38	0.81
5/29/79	< 0.008	< 0.004	< 0.004	0.01	0.02
6/11/79	0.010	< 0.004	0.006	0.02	0.03
6/25/79	0.034	0.006	0.028	0.02	0.05
7/ 9/79	< 0.008	< 0.004	< 0.004	0.01	0.02
7/23/79	0.064	0.024	0.040	0.03	0.09
8/ 6/79	0.011	0.009	< 0.004	< 0.01	0.02
8/20/79	< 0.004	0.009	< 0.004	0.10	0.10
9/ 5/79	< 0.004	0.106	< 0.004	0.70	0.70
9/18/79	0.692	0.134	0.558	0.74	1.43
10/ 1/79	< 0.004	0.125	< 0.004	0.81	0.81
10/15/79	0.152	0.010	0.142	0.09	0.24
10/29/79	0.033	0.006	0.027	0.28	0.31
11/14/79	0.072	0.012	0.060	0.47	0.54
11/27/79	0.117	0.028	0.089	0.39	0.51
12/12/79	0.231	0.049	0.182	0.35	0.58
12/27/79	0.195	0.021	0.174	0.37	0.57
1/ 8/80	0.214	< 0.004	0.210	0.12	0.33
3/19/80	0.122	< 0.004	0.118	0.12	0.24
4/ 2/80	0.117	0.013	0.104	0.21	0.33
4/17/80	0.141	< 0.004	0.137	0.07	0.21
4/30/80	0.045	0.004	0.041	0.04	0.09

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER RANGE OF VALUES UNITS

DATE 5/ 1/79 - 4/30/80 MO/DA/YR
DEPTH 0 - .5 METERS
SAMPLE 0. 0. TYPE

STATION = S77 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L		OPO4 MG P/L	TPO4 MG P/L
5/14/79	1.75	1.37	2.18		0.021	0.165
5/29/79	0.87	0.86	0.88		0.003	0.047
6/11/79	1.83	1.81	1.84	<	0.002	0.069
6/25/79	1.09	1.07	1.12	<	0.002	0.046
7/ 9/79	2.00	1.99	2.01	<	0.002	0.043
7/23/79	3.02	2.99	3.08		0.025	0.096
8/ 6/79				<	0.002	0.051
8/20/79	1.90	1.80	1.90		0.045	0.083
9/ 5/79	1.87	1.17	1.87		0.127	0.150
9/18/79	4.17	3.43	4.86		0.470	0.526
10/ 1/79	3.63	2.82	3.63		0.246	0.328
10/15/79	1.37	1.28	1.52		0.009	0.027
10/29/79	2.47	2.19	2.50		0.018	0.046
11/14/79	4.16	3.69	4.23	<	0.002	0.037
11/27/79	2.68	2.29	2.80		0.064	0.072
12/12/79	2.82	2.47	3.05			
12/27/79	2.21	1.84	2.41		0.035	0.041
1/ 8/80	1.63	1.51	1.84		0.019	0.038
3/19/80	2.13	2.01	2.25		0.039	0.057
4/ 2/80	2.38	2.17	2.50		0.083	0.081
4/17/80	2.33	2.26	2.47		0.017	0.035
4/30/80	2.45	2.41	2.50		0.013	0.058

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S77 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	23.6		2=NO
5/29/79	15.3	2.0	2=NO
6/11/79	18.5	3.0	2=NO
6/25/79	15.9		2=NO
7/ 9/79	16.5	3.0	2=NO
7/23/79	15.1		2=NO
8/ 6/79	20.8	2.0	2=NO
8/20/79			1=YES
9/ 5/79		3.0	2=NO
9/18/79	35.0		2=NO
10/ 1/79	30.3		2=NO
10/15/79			1=YES
10/29/79	15.8		2=NO
11/14/79	22.6		1=YES
11/27/79	20.7		2=NO
12/12/79	21.1		2=NO
12/27/79	17.4		2=NO
1/ 8/80	17.5		2=NO
3/19/80	18.4		1=YES
4/ 2/80	17.2		2=NO
4/17/80	21.9		1=YES
4/30/80	15.1	2.4	1=YES

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	PANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S78 CODE
Fisheating Creek at S.R. 78

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	1250.	0.0	29.F	4.0	51.
5/29/79	1256.	0.0	29.4	5.3	67.
6/11/79	1415.	0.0	28.4	3.3	41.
6/25/79	1329.	0.0	34.0	7.2	97.
7/ 9/79	1323.	0.0	32.8	5.4	71.
7/23/79	1258.	0.0	28.8	6.1	77.
8/ 6/79	1623.	0.0	30.7	5.0	64.
8/20/79	1319.	0.0	32.4	5.4	71.
9/ 5/79	1444.	0.0	28.5	5.0	63.
9/18/79	1355.	0.0	29.7	1.7	22.
10/ 1/79	1228.	0.0	26.8	0.6	7.
10/15/79	1311.	0.0	25.1	2.3	27.
10/29/79	1300.	0.0	23.7	4.0	46.
11/14/79	955.	0.0	21.2	5.0	55.
11/27/79	1203.	0.0	23.0	6.1	70.
12/12/79	956.	0.0	20.8	6.1	67.
12/27/79	1221.	0.0	19.6	6.1	66.
1/ 8/80	1420.	0.0	15.1	7.5	74.
1/23/80	1025.	0.0	20.0	6.3	68.
2/ 5/80	1134.	0.0	11.1	10.8	98.
2/20/80	1020.	0.0	16.8	7.8	80.
3/ 4/80	1151.	0.0	11.6	10.2	94.
3/19/80	1105.	0.0	23.9	6.3	73.
4/ 2/80	1345.	0.0	23.9	4.8	56.
4/17/80	1050.	0.0	22.6	5.0	57.
4/30/80	1310.	0.0	24.2	5.3	62.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S78 CODE

Fisheating Creek at S.R. 78

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	206.	6.15	1.3	1.0	165.
5/29/79	200.	6.10	1.0		170.
6/11/79	190.	6.10	1.4	7.0	250.
6/25/79	212.	6.25	1.4	16.0	210.
7/ 9/79	249.		2.0	5.0	210.
7/23/79	208.	6.56	1.6	11.0	220.
8/ 6/79	222.	6.32	2.1	6.0	180.
8/20/79	198.	6.10	1.4	8.0	210.
9/ 5/79	140.	6.15	1.3	7.0	270.
9/18/79	69.	5.77	1.0		335.
10/ 1/79	68.	5.68	0.4	13.0	310.
10/15/79	103.	5.77			310.
10/29/79	100.	5.86	0.5		240.
11/14/79	120.	6.28	1.0	2.0	220.
11/27/79	132.	6.31	0.5	6.0	200.
12/12/79	150.	6.25	1.0	3.0	160.
12/27/79	60.	6.22	0.5	1.0	160.
1/ 8/80	140.	6.48	0.6		140.
1/23/80	191.	6.30	0.4		140.
2/ 5/80	200.	6.58	0.6		120.
2/20/80	210.	6.46	0.4		130.
3/ 4/80	150.	7.13	0.4	< 1.0	150.
3/19/80	180.	6.40	0.5	2.0	190.
4/ 2/80	210.	6.69	0.8	3.0	170.
4/17/80	200.	6.99	0.5	< 1.0	70.
4/30/80	210.	6.63	0.4	2.0	150.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER RANGE OF VALUES UNITS

DATE 5/ 1/79 - 4/30/80 MO/DA/YR
DEPTH 0 - .5 METERS
SAMPLE 0. 0. TYPE

STATION = S78 CODE
Fisheating Creek at S.R. 78

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.053	0.006	0.047	0.07	0.12
5/29/79	< 0.008	0.009	< 0.004	0.03	0.04
6/11/79	0.009	0.006	< 0.004	0.03	0.04
6/25/79	0.030	0.008	0.022	0.07	0.10
7/ 9/79	0.046	0.005	0.041	0.07	0.12
7/23/79	0.041	0.005	0.036	0.06	0.10
8/ 6/79	< 0.004	0.006	< 0.004	0.02	0.02
8/20/79	0.009	0.008	< 0.004	0.05	0.06
9/ 5/79	0.185	0.014	0.171	0.04	0.23
9/18/79	0.013	0.009	< 0.004	0.04	0.05
10/ 1/79	0.449	0.010	0.439	0.01	0.46
10/15/79	0.025	0.007	0.018	0.01	0.04
10/29/79	0.011	0.007	< 0.004	0.04	0.05
11/14/79	0.281	0.005	0.276	0.34	0.62
11/27/79	< 0.004	0.006	< 0.004	0.04	0.04
12/12/79	0.071	0.007	0.064	0.03	0.10
12/27/79	< 0.004	0.004	< 0.004	< 0.01	< 0.01
1/ 8/80	< 0.004	< 0.004	< 0.004	0.02	0.02
1/23/80	0.052	< 0.004	0.048	0.02	0.07
2/ 5/80	< 0.004	0.005	< 0.004	0.04	0.04
2/20/80	0.005	< 0.004	< 0.004	0.02	0.03
3/ 4/80	< 0.004	< 0.004	< 0.004	0.05	0.05
3/19/80	0.111	0.005	0.106	0.05	0.16
4/ 2/80	0.007	0.004	< 0.004	0.11	0.12
4/17/80	0.014	< 0.004	0.010	0.04	0.05
4/30/80	0.018	0.006	0.012	0.05	0.07

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S78 CODE

Fisheating Creek at S.R. 78

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	1.26	1.19	1.31	0.021	0.154
5/29/79	0.99	0.96	1.00	0.060	0.099
6/11/79	1.27	1.24	1.28	0.103	0.155
6/25/79	0.97	0.90	1.00	0.061	0.119
7/ 9/79	3.20	3.13	3.25	0.075	0.131
7/23/79	5.74	5.68	5.78	0.074	0.125
8/ 6/79				0.034	0.077
8/20/79	2.24	2.19	2.25	0.028	0.055
9/ 5/79	1.21	1.17	1.40	0.090	0.128
9/18/79	2.35	2.31	2.36	0.169	0.233
10/ 1/79	2.56	2.55	3.01	0.196	0.269
10/15/79				0.182	
10/29/79	2.58	2.54	2.59	0.126	0.186
11/14/79	2.75	2.41	3.03	0.159	0.211
11/27/79	2.39	2.35	2.39	0.097	0.111
12/12/79	2.46	2.43	2.53	0.138	0.171
12/27/79	2.09	2.08	2.09	0.058	0.087
1/ 8/80	1.52	1.50	1.52	0.037	0.064
1/23/80	2.16	2.14	2.21	0.093	0.099
2/ 5/80	1.29	1.25	1.29	0.082	0.082
2/20/80	1.85	1.83	1.86	0.083	0.121
3/ 4/80	3.15	3.10	3.15	0.090	0.099
3/19/80	2.46	2.41	2.57	0.105	0.139
4/ 2/80	2.15	2.04	2.16	0.113	0.120
4/17/80	2.21	2.17	2.22	0.085	0.091
4/30/80	1.84	1.79	1.86	0.076	0.140

LAKE OKEECHOBEE T.C.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S78 CODE

Fisheating Creek at S.R. 78

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	18.1		
5/29/79	17.6	2.0	
6/11/79	16.2	1.0	1=YES
6/25/79	15.9		2=NO
7/ 9/79	17.7	2.0	2=NO
7/23/79	15.9		
8/ 6/79	21.1	1.0	2=NO
8/20/79			
9/ 5/79		3.0	2=NO
9/18/79	26.3		1=YES
10/ 1/79	27.6		1=YES
10/15/79			
10/29/79	19.8		2=NO
11/14/79	24.8		2=NO
11/27/79	20.7		
12/12/79	20.7		2=NO
12/27/79	19.5		2=NO
1/ 8/80	22.1		2=NO
1/23/80	23.6		
2/ 5/80	17.8		
2/20/80	18.9		2=NO
3/ 4/80	24.2		
3/19/80	26.9		
4/ 2/80	26.5		
4/17/80	24.4		
4/30/80	24.3	1.4	

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S84 CODE

DATE MO/DA/YR	TIME HOUR,MIN	DEPTH METERS	TEMP CENT	D.O. MG/L	%SAT. DO
5/14/79	934.	0.0	25.5	8.6	103.
5/29/79	947.	0.0	27.5	5.1	63.
6/11/79	1031.	0.0	28.3	3.5	44.
6/25/79	1024.	0.0	29.0	4.3	54.
7/ 9/79	1025.	0.0	29.4	3.6	46.
7/23/79	1010.	0.0	27.6	2.3	28.
8/ 6/79	1317.	0.0	29.4	3.2	41.
8/20/79	1024.	0.0	28.8	4.0	50.
9/ 5/79	1115.	0.0	26.9	5.9	72.
9/18/79	1105.	0.0	28.1	5.5	69.
10/ 1/79	952.	0.0	26.8	5.2	63.
10/15/79	1026.	0.0	26.1	4.0	48.
10/29/79	950.	0.0	25.4	4.4	52.
11/13/79	1115.	0.0	24.5	5.3	62.
11/27/79	940.	0.0	22.6	7.0	80.
12/11/79	956.	0.0	20.3	6.9	75.
12/27/79	946.	0.0	18.7	7.3	77.
1/ 8/80	1100.	0.0	17.5	6.9	72.
1/22/80	1040.	0.0	18.2	7.1	75.
2/ 5/80	935.	0.0	15.4	8.6	86.
2/19/80	1100.	0.0	16.6	8.1	83.
3/ 4/80	933.	0.0	15.6	8.7	87.
3/18/80	1030.	0.0	23.0	7.4	85.
4/ 2/80	1100.	0.0	23.6	6.1	71.
4/16/80	1045.	0.0	24.4	6.9	81.
4/30/80	1035.	0.0	23.4	7.3	84.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S84 CODE

DATE MO/DA/YR	SP COND UMHOS/CM	PH	TURB JTU	T.SUS.SD MG/L	COLOR UNITS
5/14/79	180.	6.00	2.3		115.
5/29/79	178.	5.95	1.7		150.
6/11/79	230.	6.35	2.9	5.0	170.
6/25/79	240.	6.20	2.3	8.0	160.
7/ 9/79	232.		1.5	7.2	145.
7/23/79	223.	6.20	1.5	5.0	160.
8/ 6/79	211.	6.33	1.3	10.0	110.
8/20/79	188.	6.15	1.1		95.
9/ 5/79	70.	5.96	3.0	8.0	200.
9/18/79	101.	5.92	2.1	2.0	160.
10/ 1/79	108.	5.88	1.5	18.0	160.
10/15/79	84.	5.92	1.4	6.0	180.
10/29/79	110.	6.06	1.4		165.
11/13/79	135.	6.26	1.7		180.
11/27/79	140.	6.52	1.3	12.0	190.
12/11/79	185.	6.56	1.5	5.0	160.
12/27/79	240.	6.88	0.8		170.
1/ 8/80	228.	6.92	20.0		80.
1/22/80	231.	6.83	0.8		180.
2/ 5/80	194.	6.87	2.0		150.
2/19/80	180.	6.74	2.4		130.
3/ 4/80	130.	7.21	2.1	4.7	110.
3/18/80	100.	6.80	2.0	4.0	110.
4/ 2/80	110.	6.63	3.3	4.0	115.
4/16/80	100.	7.40	2.2	< 1.0	100.
4/30/80	130.	7.08	2.2	2.0	90.

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S84 CODE

DATE MO/DA/YR	NOX MG N/L	NO2 MG N/L	NO3 MG N/L	NH4 MG N/L	NOX+NH4 MG N/L
5/14/79	0.035	< 0.004	0.031	0.01	0.05
5/29/79	0.020	0.006	0.014	0.03	0.05
6/11/79	0.034	0.004	0.030	0.13	0.16
6/25/79	0.048	0.010	0.038	0.06	0.11
7/ 9/79	0.027	< 0.004	0.023	0.04	0.07
7/23/79	< 0.008	< 0.004	< 0.004	0.18	0.19
8/ 6/79	0.069	0.012	0.057	0.02	0.09
8/20/79	< 0.004	< 0.004	< 0.004	0.03	0.03
9/ 5/79	0.223	0.009	0.214	0.07	0.29
9/18/79	0.022	0.005	0.017	0.06	0.08
10/ 1/79	< 0.004	0.007	< 0.004	0.04	0.04
10/15/79	0.068	0.008	0.060	0.06	0.13
10/29/79	0.106	0.010	0.096	0.13	0.24
11/13/79	0.076	0.008	0.068	0.09	0.17
11/27/79	0.214	0.006	0.208	0.04	0.25
12/11/79	0.300	0.010	0.290	0.07	0.37
12/27/79	0.351	0.010	0.341	0.05	0.40
1/ 8/80	0.336	0.005	0.331	0.10	0.44
1/22/80	0.359	0.005	0.354	0.02	0.38
2/ 5/80	0.311	0.009	0.302	0.06	0.37
2/19/80	0.166	< 0.004	0.162	0.08	0.25
3/ 4/80	0.060	< 0.004	0.056	0.07	0.13
3/18/80	0.023	< 2.810	< 0.004		0.07
4/ 2/80	0.068	0.004	0.064	0.12	0.19
4/16/80	0.031	< 0.004	0.027	0.06	0.09
4/30/80	0.013	0.006	0.007	0.03	0.04

LAKE OKEECHOBEE T.D.P. DATA

PROJECT X

DATE OF PRINTING

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79	- 4/30/80	MO/DA/YR
DEPTH	0	- .5	METERS
SAMPLE	0.	0.	TYPE

STATION = S84 CODE

DATE MO/DA/YR	TKN MG N/L	TKN-NH4 MG N/L	TOTAL N MG N/L	OPO4 MG P/L	TPO4 MG P/L
5/14/79	1.26	1.25	1.30	0.018	0.057
5/29/79	1.04	1.01	1.06	0.188	0.208
6/11/79	0.88	0.75	0.91	0.114	0.180
6/25/79	1.09	1.03	1.14	0.072	0.107
7/ 9/79	1.20	1.16	1.23	0.046	0.178
7/23/79	1.69	1.51	1.70	0.074	0.112
8/ 6/79				0.032	0.057
8/20/79	1.59	1.56	1.59	0.024	0.038
9/ 5/79	1.27	1.20	1.49	0.067	0.091
9/18/79	1.44	1.38	1.46	0.036	0.063
10/ 1/79	1.27	1.23	1.27	0.035	0.055
10/15/79	0.65	0.59	0.72	0.025	
10/29/79	1.95	1.82	2.06	0.023	0.042
11/13/79	1.70	1.61	1.78	0.031	0.051
11/27/79	1.83	1.79	2.04	0.036	0.039
12/11/79	2.09	2.02	2.39	0.067	0.098
12/27/79	1.73	1.68	2.08	0.051	0.059
1/ 8/80	1.46	1.36	1.80	0.028	0.042
1/22/80	2.19	2.17	2.55	0.028	0.031
2/ 5/80	1.41	1.35	1.72	0.019	0.034
2/19/80	1.97	1.89	2.14	0.021	0.034
3/ 4/80	1.46	1.39	1.52	0.018	0.043
3/18/80		1.52	1.59		0.034
4/ 2/80	1.14	1.02	1.21	0.044	0.049
4/16/80	2.39	2.33	2.42	0.024	0.047
4/30/80	1.48	1.45	1.49	0.007	0.061

LAKE OKEECHOBEE T.O.P. DATA

PROJECT X DATE OF PRINTIN

PARAMETER	RANGE OF VALUES		UNITS
DATE	5/ 1/79 -	4/30/80	MO/DA/YR
DEPTH	0 -	.5	METERS
SAMPLE	0.	0.	TYPE

STATION = S84 CODE

DATE MO/DA/YR	TOTORG C MG/L	BOD-5 MG/L	DISCHRGE CODE
5/14/79	6.3		1=YES
5/29/79	12.7	2.0	2=NO
6/11/79	12.2	2.0	2=NO
6/25/79	13.0		2=NO
7/ 9/79	14.4	2.0	2=NO
7/23/79	11.0		2=NO
8/ 6/79	15.4	1.0	2=NO
8/20/79			1=YES
9/ 5/79		4.0	1=YES
9/18/79	15.1		1=YES
10/ 1/79	16.2		1=YES
10/15/79			2=NO
10/29/79	14.0		2=NO
11/13/79	25.4		2=NO
11/27/79	13.6		2=NO
12/11/79	15.5		2=NO
12/27/79	16.1		2=NO
1/ 8/80	19.6		2=NO
1/22/80	20.1		2=NO
2/ 5/80	16.9		2=NO
2/19/80	13.8		2=NO
3/ 4/80	15.3		2=NO
3/18/80	12.5		2=NO
4/ 2/80	12.0		1=YES
4/16/80	10.8		2=NO
4/30/80	19.6	1.4	2=NO

APPENDIX B

TABLE RESULTS OF ANALYSIS FOR C-44 AT S-80

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	24.5	4.5	16.7	30.5
D.O. (mg/l)	12	6.5	1.9	2.2	8.5
D.O. (% Sat.)	12	76.	22.	27.	109.
Sp. Cond (μmhos/cm)	12	609.	123.	375.	800.
pH	12	7.53	0.45	6.75	8.53
Turbidity (JTU)	12	5.1	4.5	1.5	17.0
Color (Platinum Scale)	12	72.	53.	25.	220.
NO_x (mg/l)	12	0.224	0.172	0.008	0.555
NO_2 (mg/l)	12	0.015	0.012	0.004	0.034
NO_3 (mg/l)	12	0.209	0.173	0.004	0.550
NH_4 (mg/l)	12	0.07	0.08	0.01	0.26
$NO_x + NH_4$ (mg/l)	12	0.29	0.19	0.02	0.58
TKN (mg/l)	10	2.28	1.37	1.11	5.87
TKN - NH_4 (mg/l)	10	2.21	1.36	1.07	5.84
Total N (mg/l)	10	2.49	1.41	1.28	6.16
O-PO_4 (mg/l)	12	0.087	0.073	0.031	0.286
T-PO_4 (mg/l)	12	0.130	0.079	0.063	0.349
TOC (mg/l)	10	15.3	2.5	11.2	18.4

TABLE RESULTS OF ANALYSIS FOR C-25 AT S-99

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	23.8	4.0	18.0	28.3
D.O. (mg/l)	12	3.5	2.5	1.0	9.3
D.O. (% Sat.)	12	40.	26.	12.	103.
Sp. Cond (μmhos/cm)	12	1018.	431.	498.	2000.
pH	12	7.13	0.23	6.70	7.60
Turbidity (JTU)	12	1.3	0.6	0.7	2.8
Color (Platinum Scale)	12	129.	64.	45.	230.
NO_x (mg/l)	12	0.059	0.060	0.008	0.212
NO_2 (mg/l)	12	0.009	0.003	0.004	0.015
NO_3 (mg/l)	12	0.051	0.057	0.004	0.197
NH_4 (mg/l)	12	0.09	0.08	0.01	0.27
$NO_x + NH_4$ (mg/l)	12	0.15	0.09	0.02	0.34
TKN (mg/l)	11	1.68	0.81	0.45	3.05
TKN - NH_4 (mg/l)	11	1.59	0.78	0.42	2.86
Total N (mg/l)	11	1.74	0.82	0.51	3.06
O-PO_4 (mg/l)	12	0.102	0.083	0.005	0.277
T-PO_4 (mg/l)	12	0.164	0.111	0.044	0.358
TOC (mg/l)	10	14.5	4.7	7.2	20.6

TABLE RESULTS OF ANALYSIS FOR C-25 AT S-50

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	23.7	3.9	17.9	28.8
D.O. (mg/l)	12	3.9	2.4	0.6	8.6
D.O. (% Sat.)	12	45.	27.	7.	104.
Sp. Cond (μmhos/cm)	12	850.	208.	570.	1200.
pH	12	7.14	0.19	6.80	7.40
Turbidity (JTU)	12	2.8	4.5	0.7	17.0
Color (Platinum Scale)	12	119.	51.	45.	220.
NO_x (mg/l)	12	0.074	0.053	0.007	0.189
NO_2 (mg/l)	12	0.007	0.004	0.004	0.015
NO_3 (mg/l)	11	0.073	0.050	0.020	0.185
NH_4 (mg/l)	12	0.16	0.29	0.03	1.08
$NO_x + NH_4$ (mg/l)	12	0.24	0.31	0.07	1.18
TKN (mg/l)	11	1.43	0.47	0.64	2.02
TKN-NH_4 (mg/l)	11	1.26	0.48	0.60	1.87
Total N (mg/l)	11	1.51	0.49	0.67	2.12
O-PO_4 (mg/l)	12	0.097	0.077	0.005	0.219
T-PO_4 (mg/l)	12	0.148	0.096	0.021	0.285
TOC (mg/l)	10	14.8	3.3	9.6	19.3

TABLE RESULTS OF ANALYSIS FOR C-24 AT S-49

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	23.4	3.8	17.2	29.2
D.O. (mg/l)	12	3.9	2.6	0.4	8.5
D.O. (% Sat.)	12	44.	28.	5.	93.
Sp. Cond (μmhos/cm)	12	1004.	245.	448.	1300.
pH	12	7.12	0.31	6.55	7.65
Turbidity (JTU)	12	1.4	0.4	0.7	1.9
Color (Platinum Scale)	12	153.	67.	60.	320.
NO_x (mg/l)	12	0.153	0.186	0.008	0.635
NO_2 (mg/l)	12	0.025	0.020	0.004	0.070
NO_3 (mg/l)	12	0.140	0.188	0.004	0.626
NH_4 (mg/l)	12	0.20	0.16	0.02	0.51
$NO_x + NH_4$ (mg/l)	12	0.35	0.21	0.03	0.66
TKN (mg/l)	11	2.05	1.01	0.35	4.34
TKN-NH_4 (mg/l)	11	1.85	1.01	0.33	4.32
Total N (mg/l)	11	2.22	1.08	0.36	4.57
O-PO_4 (mg/l)	12	0.199	0.114	0.025	0.393
T-PO_4 (mg/l)	12	0.280	0.134	0.062	0.528
TOC (mg/l)	10	17.1	2.5	12.1	18.9

TABLE RESULTS OF ANALYSIS FOR C-23 AT S-48

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{o})	12	23.9	3.7	17.5	28.9
D.O. (mg/l)	12	6.2	1.8	3.0	8.2
D.O. (% Sat.)	12	71.	18.	38.	93.
Sp. Cond (μmhos/cm)	12	797.	319.	242.	1400.
pH	12	7.25	0.30	6.70	7.58
Turbidity (JTU)	12	2.1	0.8	0.9	3.7
Color (Platinum Scale)	12	135.	76.	55.	310.
NO_x (mg/l)	12	0.158	0.150	0.008	0.402
NO_2 (mg/l)	12	0.016	0.014	0.004	0.045
NO_3 (mg/l)	12	0.143	0.143	0.004	0.369
NH_4 (mg/l)	12	0.07	0.07	0.01	0.24
$NO_x + NH_4$ (mg/l)	12	0.23	0.17	0.03	0.49
TKN (mg/l)	11	1.47	0.59	0.30	2.18
TKN-NH_4 (mg/l)	11	1.41	0.57	0.28	2.03
Total N (mg/l)	11	1.64	0.67	0.31	2.38
O-PO_4 (mg/l)	11	0.140	0.091	0.035	0.321
T-PO_4 (mg/l)	11	0.178	0.099	0.067	0.401
TOC (mg/l)	10	17.1	3.3	12.3	21.3

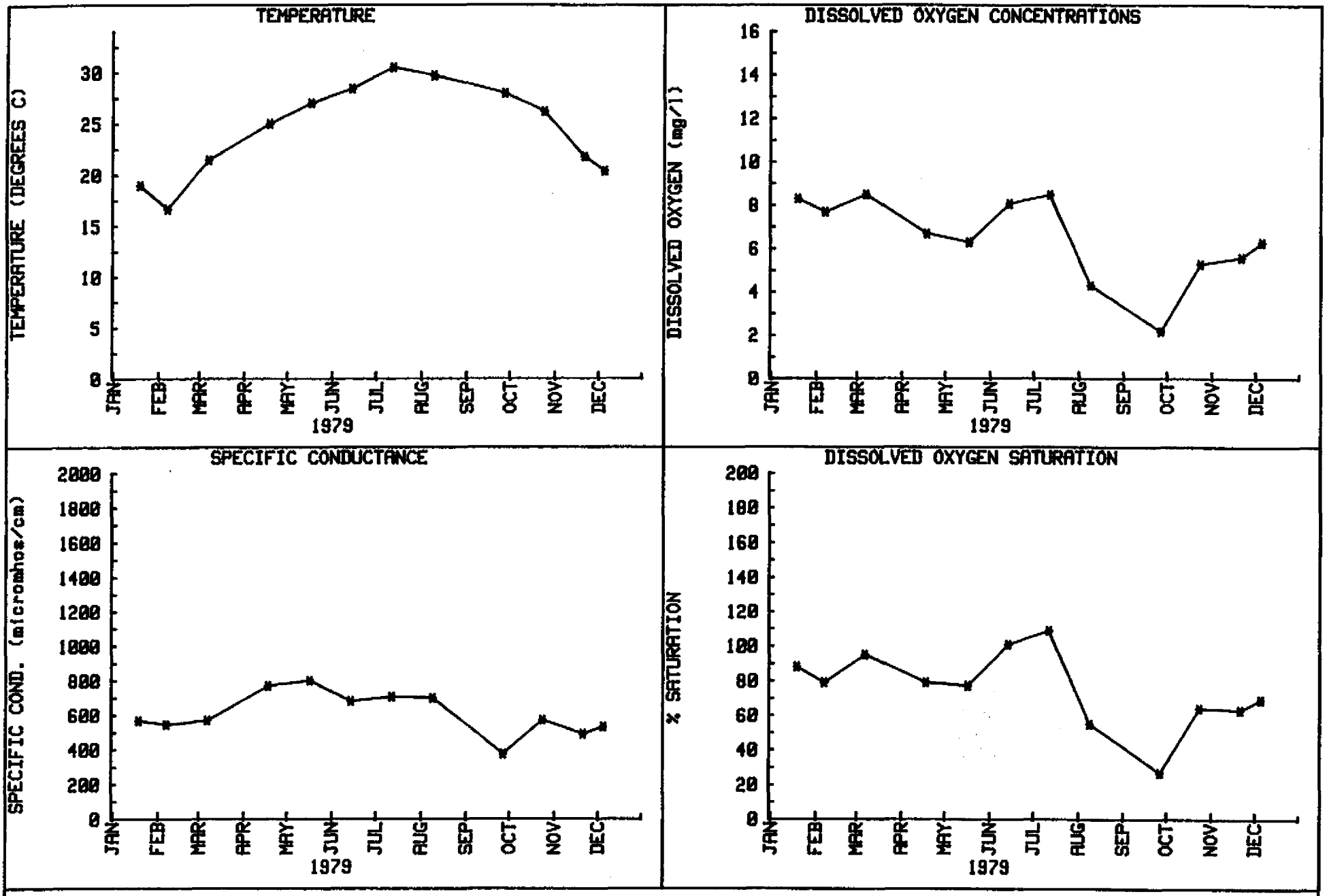


FIGURE . FIELD DATA VS TIME FOR C-44 AT S-80

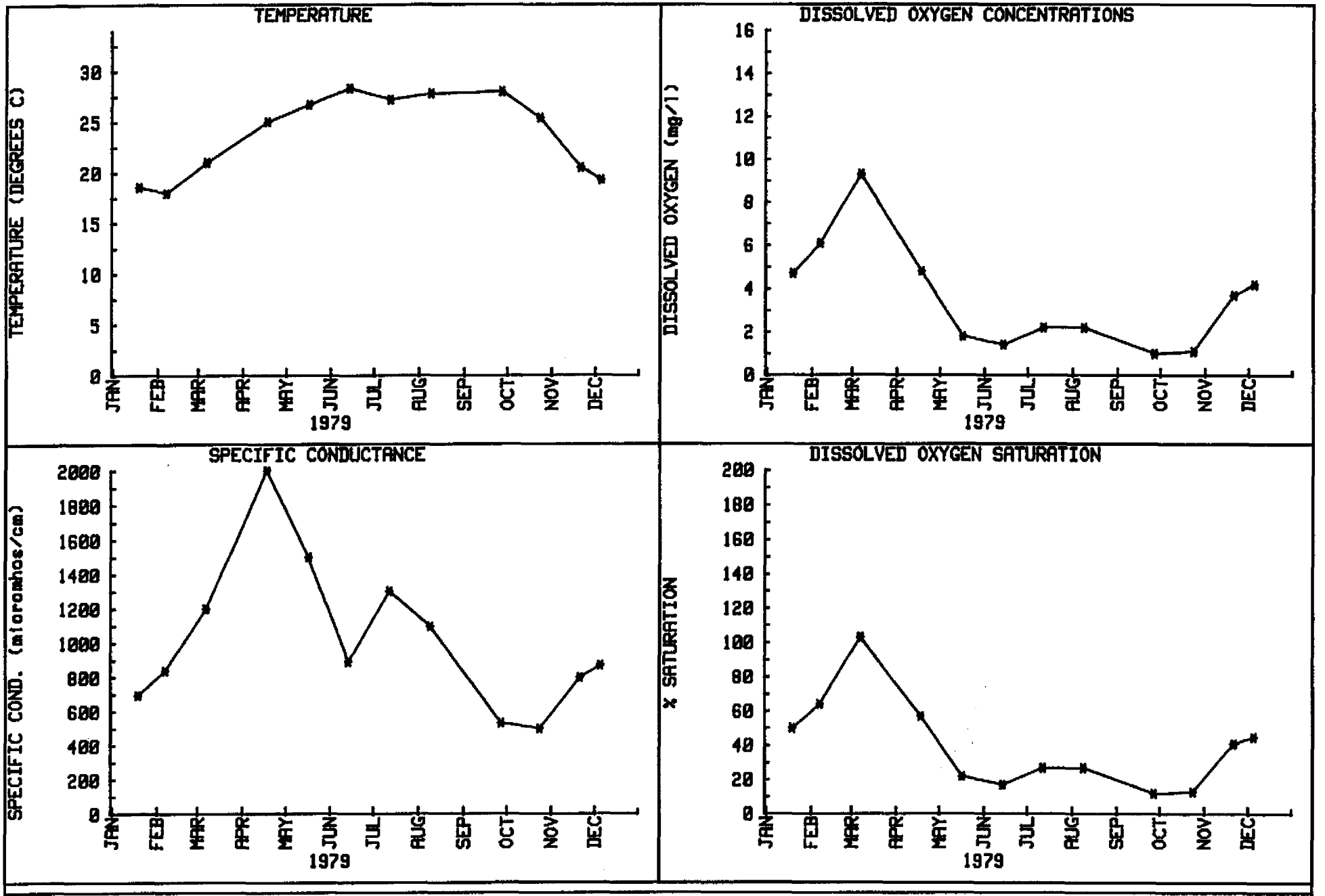


FIGURE . FIELD DATA VS TIME FOR C-25 AT S-99

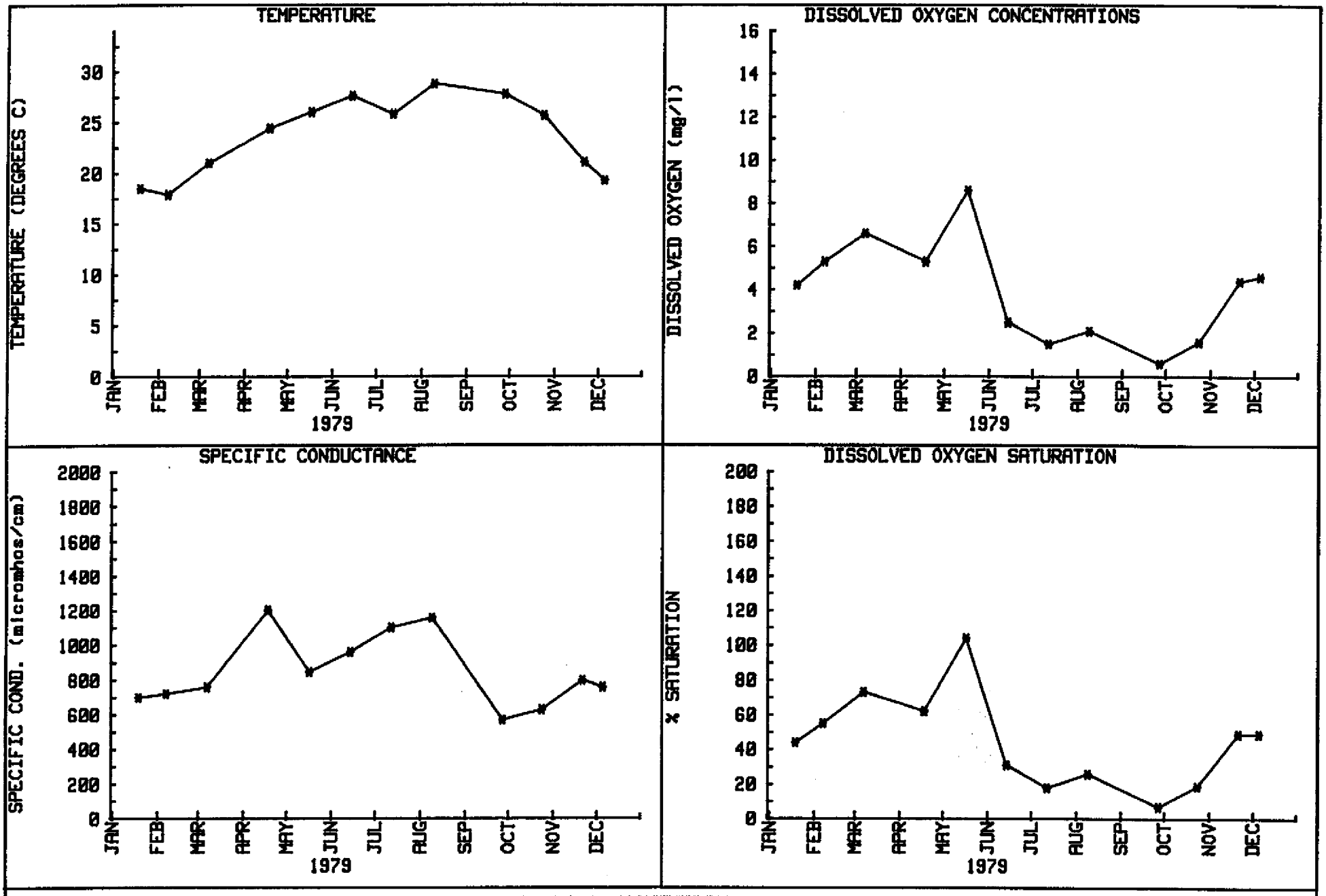


FIGURE . FIELD DATA VS TIME FOR C-25 AT S-50

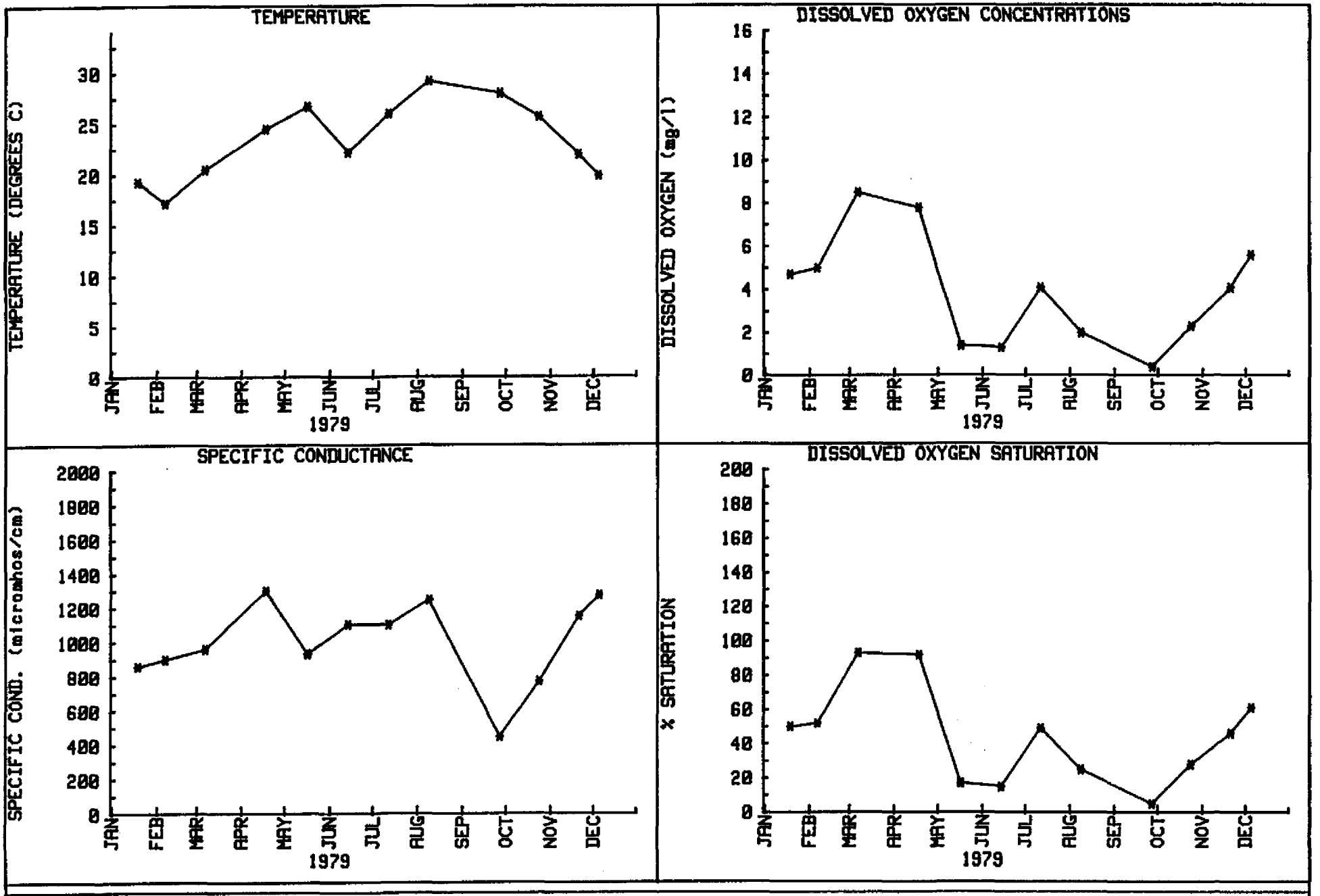


FIGURE . FIELD DATA VS TIME FOR C-24 AT S-49

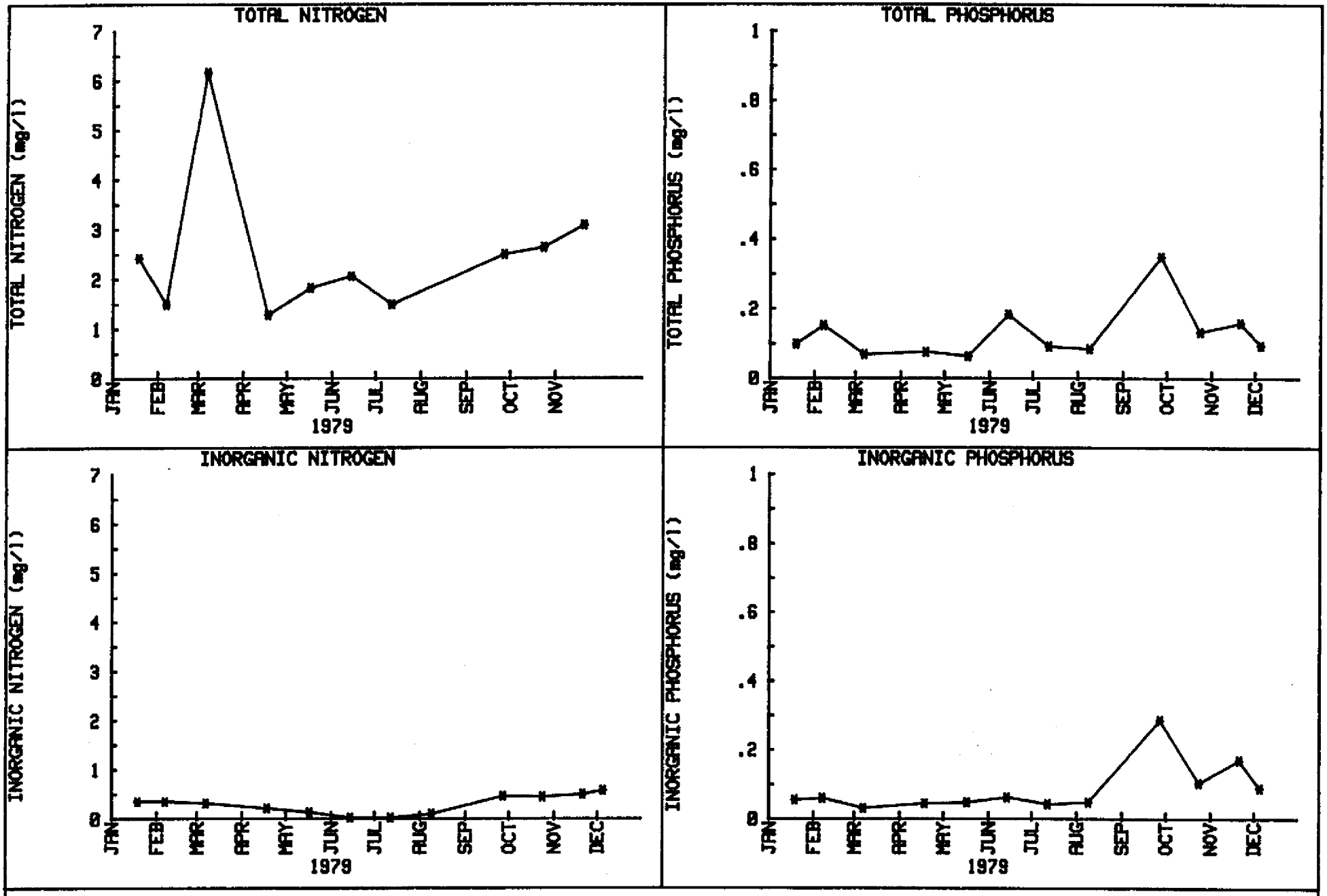


FIGURE . WATER QUALITY DATA VS TIME FOR C-44 AT S-80

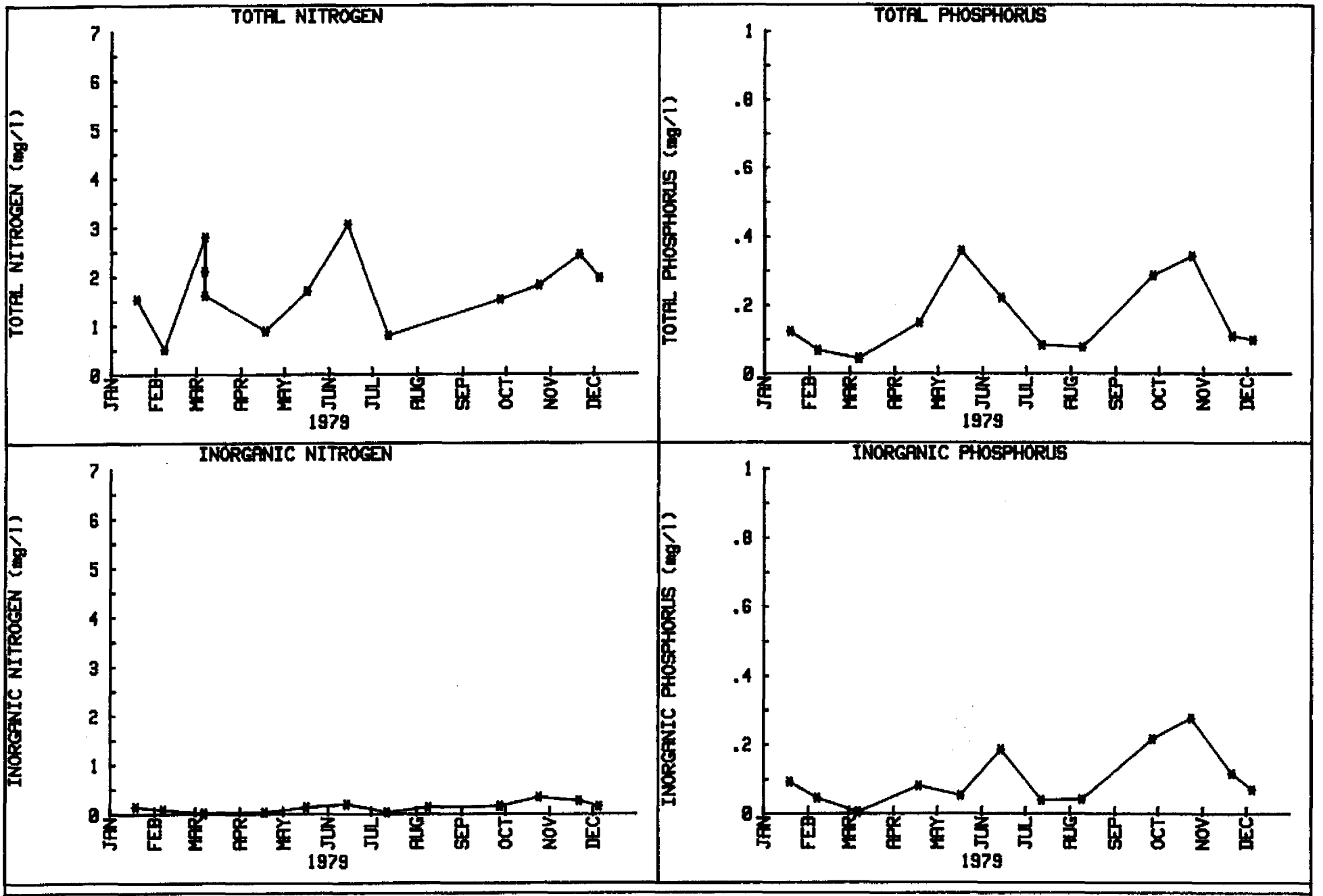


FIGURE . WATER QUALITY DATA VS TIME FOR C-25 AT S-99

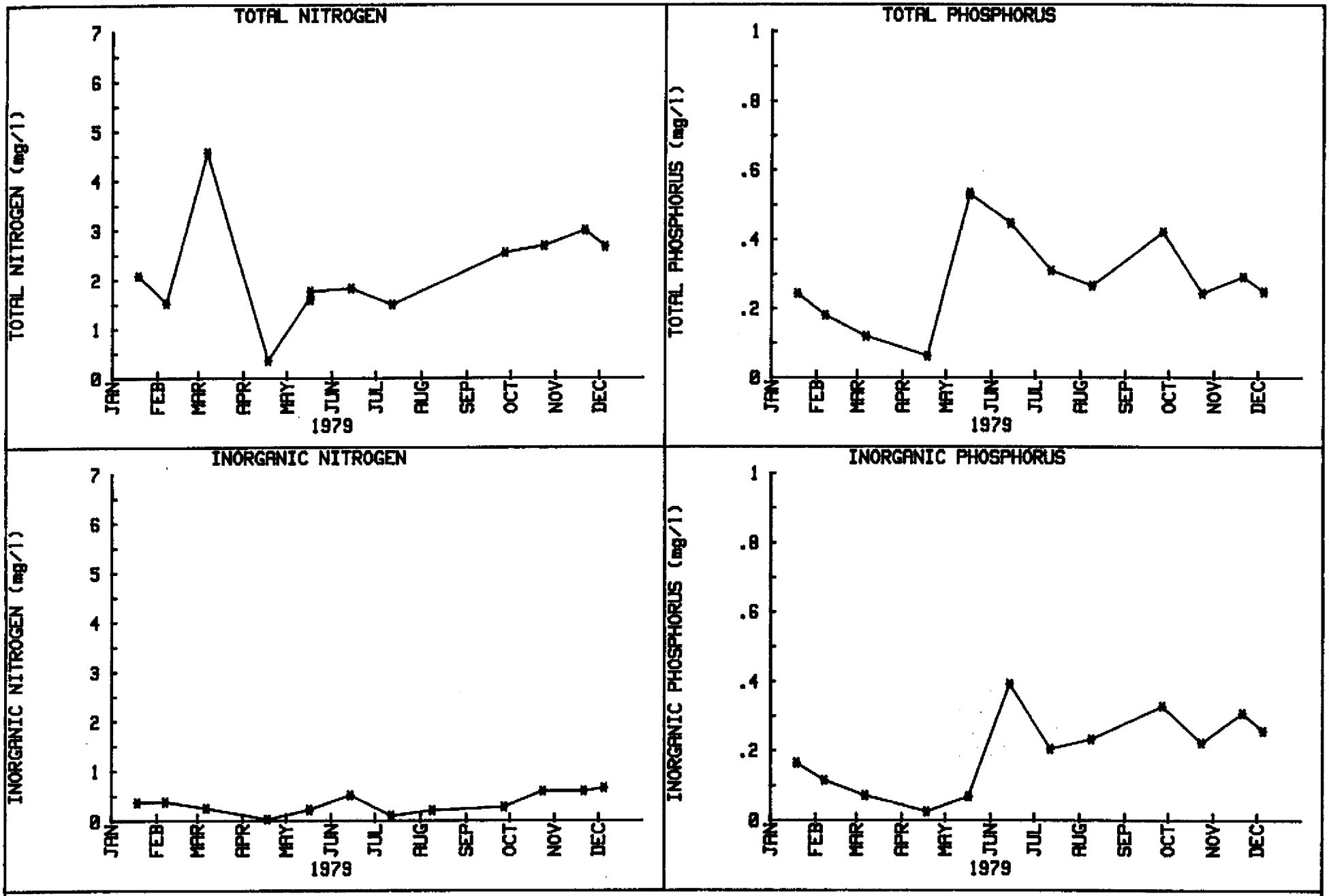


FIGURE . WATER QUALITY DATA VS TIME FOR C-24 AT S-49

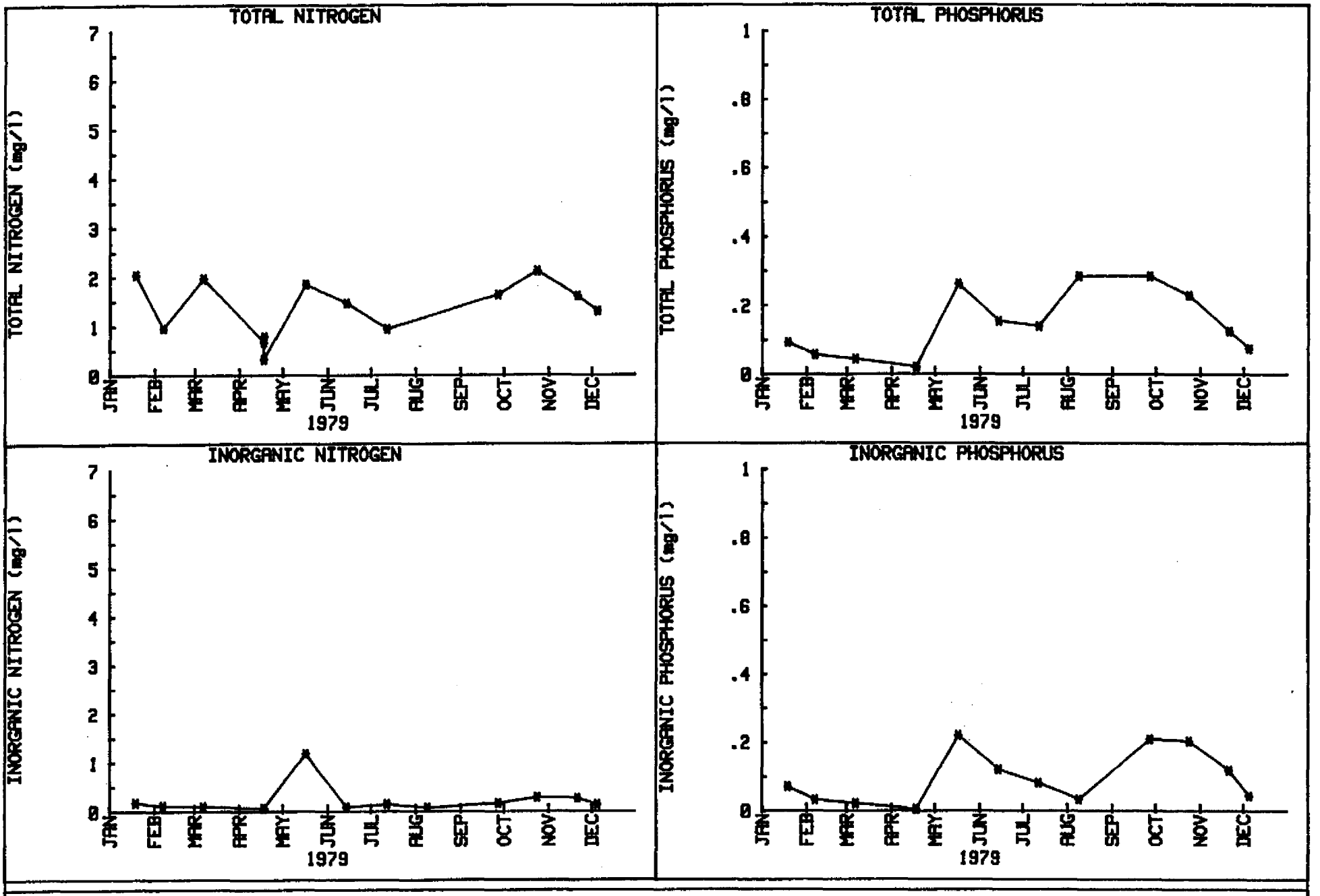


FIGURE . WATER QUALITY DATA VS TIME FOR C-25 AT S-50

APPENDIX C

TABLE RESULTS OF ANALYSIS FOR C-15 AT STATE ROAD 809

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	25.4	3.7	20.9	31.3
D.O. (mg/l)	12	6.7	0.9	4.9	8.2
D.O. (% Sat.)	12	80.	11.	60.	102.
Sp. Cond (μmhos/cm)	12	482.	106.	390.	750.
pH	12	7.31	0.37	6.79	7.99
Turbidity (JTU)	12	3.4	3.8	1.4	15.0
Color (Platinum Scale)	12	88.	26.	65.	160.
NO_x (mg/l)	12	0.395	0.344	0.004	1.064
NO_2 (mg/l)	12	0.027	0.027	0.004	0.087
NO_3 (mg/l)	12	0.369	0.324	0.004	0.977
NH_4 (mg/l)	12	0.11	0.11	0.01	0.39
$NO_x + NH_4$ (mg/l)	12	0.50	0.40	0.02	1.30
TKN (mg/l)	11	1.59	0.68	0.59	3.08
TKN-NH_4 (mg/l)	11	1.47	0.68	0.54	3.07
Total N (mg/l)	11	2.02	0.67	1.13	3.09
O-PO_4 (mg/l)	12	0.146	0.156	0.009	0.616
T-PO_4 (mg/l)	12	0.201	0.150	0.031	0.543
TOC (mg/l)	11	15.9	3.1	11.3	21.4

TABLE RESULTS OF ANALYSIS FOR C-15 AT S-40

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{o})	12	25.	3.8	20.5	30.2
D.O. (mg/l)	12	6.8	1.5	4.1	8.9
D.O. (% Sat.)	12	80.	17.	51.	113.
Sp. Cond (μmhos/cm)	12	441.	58.	380.	595.
pH	12	7.57	0.32	7.05	7.94
Turbidity (JTU)	12	1.5	1.3	0.8	5.4
Color (Platinum Scale)	12	78.	19.	45.	120.
NO_x (mg/l)	12	0.413	0.250	0.008	0.862
NO_2 (mg/l)	12	0.031	0.034	0.005	0.116
NO_3 (mg/l)	12	0.382	0.227	0.004	0.746
NH_4 (mg/l)	12	0.08	0.09	0.01	0.25
$NO_x + NH_4$ (mg/l)	12	0.49	0.31	0.03	1.08
TKN (mg/l)	11	1.41	0.50	0.67	2.36
TKN-NH_4 (mg/l)	11	1.32	0.49	0.66	2.33
Total N (mg/l)	11	1.85	0.60	1.03	2.87
O-PO_4 (mg/l)	11	0.147	0.122	0.042	0.422
T-PO_4 (mg/l)	11	0.221	0.128	0.088	0.507
TOC (mg/l)	11	15.1	1.6	11.3	17.1

TABLE RESULTS OF ANALYSIS FOR C-16 AT STATE ROAD 809

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^O)	12	25.7	4.0	20.7	31.1
D.O. (mg/l)	12	5.7	1.5	3.1	7.5
D.O. (% Sat.)	12	68.	18.	35.	97.
Sp. Cond (μmhos/cm)	12	529.	109.	400.	755.
pH	12	7.34	0.29	6.78	7.78
Turbidity (JTU)	12	3.0	3.2	1.1	13.0
Color (Platinum Scale)	12	88.	25.	40.	130.
NO_x (mg/l)	12	0.201	0.154	0.011	0.469
NO_2 (mg/l)	12	0.025	0.021	0.004	0.084
NO_3 (mg/l)	11	0.193	0.138	0.044	0.423
NH_4 (mg/l)	12	0.12	0.11	0.02	0.36
$NO_x + NH_4$ (mg/l)	12	0.32	0.20	0.07	0.66
TKN (mg/l)	11	2.00	0.58	1.09	3.13
TKN-NH_4 (mg/l)	11	1.87	0.54	1.03	2.84
Total N (mg/l)	11	2.21	0.49	1.54	3.27
O-PO_4 (mg/l)	10	0.208	0.167	0.065	0.628
T-PO_4 (mg/l)	10	0.394	0.249	0.109	0.835
TOC (mg/l)	11	16.8	3.5	12.4	22.7

TABLE RESULTS OF ANALYSIS FOR C-16 AT S-41

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	12	25.1	3.7	20.3	30.1
D.O. (mg/l)	12	5.8	1.8	3.2	9.1
D.O. (% Sat.)	12	69.	21.	40.	114.
Sp. Cond (μmhos/cm)	12	488.	121.	350.	815.
pH	12	7.51	0.36	6.90	8.00
Turbidity (JTU)	12	1.3	0.4	0.9	2.1
Color (Platinum Scale)	12	76.	22.	35.	120.
NO_x (mg/l)	12	0.371	0.278	0.008	0.767
NO_2 (mg/l)	12	0.048	0.043	0.004	0.120
NO_3 (mg/l)	12	0.323	0.252	0.004	0.703
NH_4 (mg/l)	12	0.09	0.09	0.02	0.26
$NH_x + NH_4$ (mg/l)	12	0.46	0.33	0.03	0.94
TKN (mg/l)	11	1.47	0.66	0.73	3.18
TKN-NH_4 (mg/l)	11	1.38	0.68	0.71	3.13
Total N (mg/l)	11	1.88	0.74	1.03	3.60
O-PO_4 (mg/l)	12	0.119	0.097	0.002	0.333
T-PO_4 (mg/l)	12	0.190	0.098	0.085	0.407
TOC (mg/l)	11	14.9	3.2	10.6	21.8

TABLE RESULTS OF ANALYSIS FOR C-17 AT STATE ROAD 702

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	12	25.3	3.0	20.9	31.1
D.O. (mg/l)	12	5.4	1.3	2.7	7.2
D.O. (% Sat.)	12	64.	16.	33.	87.
Sp. Cond (μmhos/cm)	12	498.	84.	360.	610.
pH	12	7.11	0.17	6.79	7.38
Turbidity (JTU)	12	5.0	3.3	1.4	12.
Color (Platinum Scale)	12	67.	17.	40.	90.
NO_x (mg/l)	12	0.191	0.174	0.020	0.689
NO_2 (mg/l)	12	0.023	0.020	0.005	0.076
NO_3 (mg/l)	12	0.167	0.163	0.015	0.641
NH_4 (mg/l)	12	0.34	0.26	0.01	0.88
$NO_x + NH_4$ (mg/l)	12	0.53	0.36	0.05	1.14
TKN (mg/l)	11	1.72	0.55	1.05	2.66
TKN-NH_4 (mg/l)	11	1.35	0.42	0.89	2.15
Total N (mg/l)	11	1.93	0.56	1.17	2.83
O-PO_4 (mg/l)	12	0.008	0.008	0.002	0.027
T-PO_4 (mg/l)	12	0.072	0.021	0.044	0.120
TOC (mg/l)	10	13.6	3.0	7.3	16.4

TABLE RESULTS OF ANALYSIS FOR C-17 AT S-44

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	25.1	3.6	20.1	30.4
D.O. (mg/l)	12	6.4	1.7	4.0	9.7
D.O. (% Sat.)	12	76.	18.	47.	111.
Sp. Cond (μmhos/cm)	12	545.	56.	465.	630.
pH	12	7.53	0.28	7.05	8.02
Turbidity (JTU)	12	3.2	1.7	1.0	6.5
Color (Platinum Scale)	12	58.	16.	30.	90.
NO_x (mg/l)	12	0.203	0.181	0.004	0.529
NO_2 (mg/l)	12	0.030	0.033	0.004	0.123
NO_3 (mg/l)	12	0.174	0.157	0.004	0.474
NH_4 (mg/l)	12	0.28	0.30	0.01	0.80
$NO_x + NH_4$ (mg/l)	12	0.48	0.42	0.01	1.10
TKN (mg/l)	11	2.32	1.60	0.73	6.32
TKN-NH_4 (mg/l)	11	2.02	1.62	0.55	6.28
Total N (mg/l)	11	2.54	1.64	0.97	6.62
O-PO_4 (mg/l)	12	0.034	0.035	0.002	0.103
T-PO_4 (mg/l)	12	0.090	0.037	0.021	0.159
TOC	9	13.3	2.1	10.2	15.7

TABLE RESULTS OF ANALYSIS FOR C-18 AT S-46

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	24.8	3.7	19.8	29.8
D.O. (mg/l)	12	6.7	2.2	2.8	10.4
D.O. (% Sat.)	12	79.	28.	35.	124.
Sp. Cond (μmhos/cm)	12	424.	165.	235.	672.
pH	12	7.43	0.50	6.70	8.12
Turbidity (JTU)	12	2.1	1.1	0.7	4.3
Color (Platinum Scale)	12	64.	38.	0.	140.
NO_x (mg/l)	12	0.051	0.046	0.004	0.129
NO_2 (mg/l)	12	0.010	0.014	0.004	0.054
NO_3 (mg/l)	12	0.045	0.045	0.004	0.124
NH_4 (mg/l)	12	0.05	0.04	0.01	0.12
$NO_x + NH_4$ (mg/l)	12	0.10	0.07	0.01	0.21
TKN (mg/l)	11	1.46	0.57	0.31	2.48
TKN-NH_4 (mg/l)	11	1.41	0.56	0.29	2.43
Total N (mg/l)	11	1.51	0.60	0.37	2.58
O-PO_4 (mg/l)	12	0.011	0.017	0.002	0.062
T-PO_4 (mg/l)	12	0.033	0.023	0.018	0.101
TOC (mg/l)	10	11.8	2.8	7.3	15.8

TABLE RESULTS OF ANALYSIS FOR C-18 AT STATE ROAD 710

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	12	25.3	3.4	19.9	30.5
D.O. (mg/l)	12	5.0	1.4	2.6	6.6
D.O. (% Sat.)	12	58.	16.	33.	79.
Sp. Cond (μmhos/cm)	12	346.	153.	174.	580.
pH	12	7.06	0.33	6.52	7.63
Turbidity (JTU)	12	2.7	2.3	0.6	7.0
Color (Platinum Scale)	12	67.	24.	45.	130.
NO_x (mg/l)	12	0.059	0.070	0.009	0.249
NO_2 (mg/l)	12	0.006	0.005	0.004	0.021
NO_3 (mg/l)	12	0.053	0.066	0.005	0.228
NH_4 (mg/l)	12	0.05	0.02	0.02	0.09
$NO_x + NH_4$ (mg/l)	12	0.11	0.08	0.04	0.33
TKN (mg/l)	11	1.51	0.55	0.28	2.24
TKN-NH_4 (mg/l)	11	1.46	0.54	0.24	2.22
Total N (mg/l)	11	1.57	0.57	0.31	2.32
O-PO_4 (mg/l)	12	0.005	0.005	0.002	0.018
T-PO_4 (mg/l)	12	0.030	0.019	0.012	0.079
TOC (mg/l)	10	13.0	1.9	9.6	15.2

TABLE RESULTS OF ANALYSIS FOR C-18, 1.9 MILES WEST OF THE TURNPIKE

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	12	25.6	3.9	20.4	30.7
D.O. (mg/l)	12	6.5	1.6	3.5	8.8
D.O. (% Sat.)	12	78.	21.	45.	113.
Sp. Cond (μmhos/cm)	12	439.	172.	235.	700.
pH	12	7.35	0.45	6.67	7.99
Turbidity (JTU)	12	2.4	1.4	0.5	5.2
Color (Platinum Scale)	12	66.	37.	25.	150.
NO_x (mg/l)	12	0.047	0.039	0.004	0.114
NO_2 (mg/l)	12	0.006	0.002	0.004	0.011
NO_3 (mg/l)	12	0.042	0.038	0.004	0.109
NH_4 (mg/l)	12	0.05	0.04	0.01	0.13
$NO_x + NH_4$ (mg/l)	12	0.10	0.07	0.01	0.19
TKN (mg/l)	11	1.28	0.53	0.28	2.03
TKN-NH_4 (mg/l)	11	1.23	0.52	0.25	2.01
Total N (mg/l)	11	1.33	0.55	0.34	2.10
O-PO_4 (mg/l)	12	0.008	0.009	0.002	0.033
T-PO_4 (mg/l)	12	0.033	0.016	0.013	0.061
TOC (mg/l)	10	12.3	2.3	9.6	16.7

TABLE RESULTS OF ANALYSIS FOR C-51 AT S-155

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	12	24.8	3.6	20.1	29.9
D.O. (mg/l)	12	4.8	1.0	2.9	6.7
D.O. (% Sat.)	12	56.0	12.0	36.0	85.0
Sp. Cond (μmhos/cm)	12	685.0	107.0	510.0	842.0
pH	12	7.35	0.22	6.91	7.65
Turbidity (JTU)	12	2.1	0.9	1.0	3.8
Color (Platinum Scale)	12	82.0	33.0	35.0	170.0
NO_x (mg/l)	12	0.345	0.202	0.082	0.799
NO_2 (mg/l)	12	0.040	0.023	0.010	0.082
NO_3 (mg/l)	12	0.305	0.184	0.066	0.717
NH_4 (mg/l)	12	0.18	0.10	0.02	0.32
$NO_x + NH_4$ (mg/l)	12	0.52	0.27	0.11	1.02
TKN (mg/l)	11	1.51	0.46	0.76	2.48
$TKN-NH_4$ (mg/l)	11	1.33	0.44	0.67	2.26
Total N (mg/l)	11	1.87	0.51	1.13	2.88
$O-PO_4$ (mg/l)	12	0.064	0.038	0.026	0.162
$T-PO_4$ (mg/l)	12	0.111	0.047	0.057	0.209
TOC (mg/l)	10	16.4	4.6	10.2	26.4

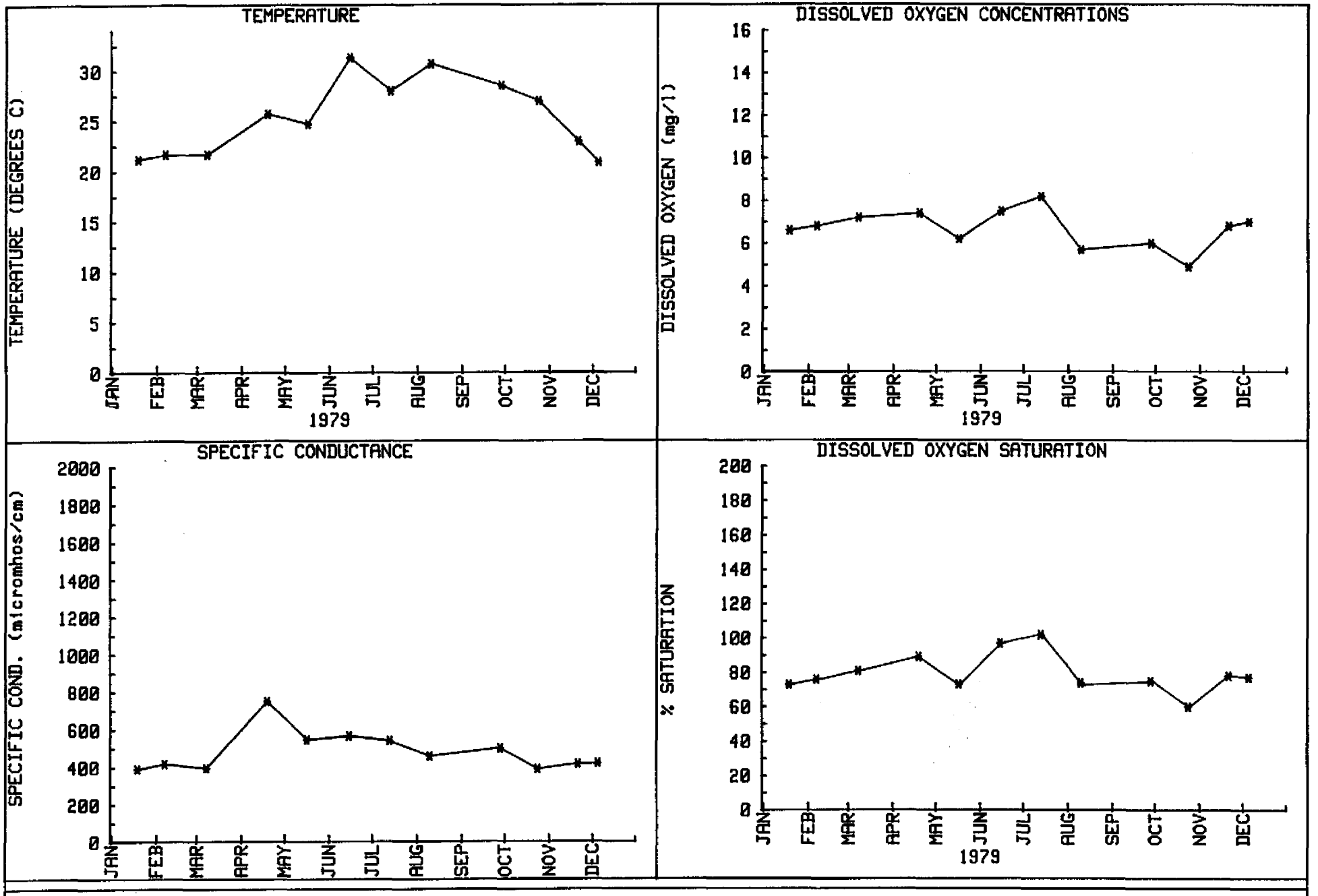


FIGURE . FIELD DATA VS TIME FOR C-15 AT S.R. 809

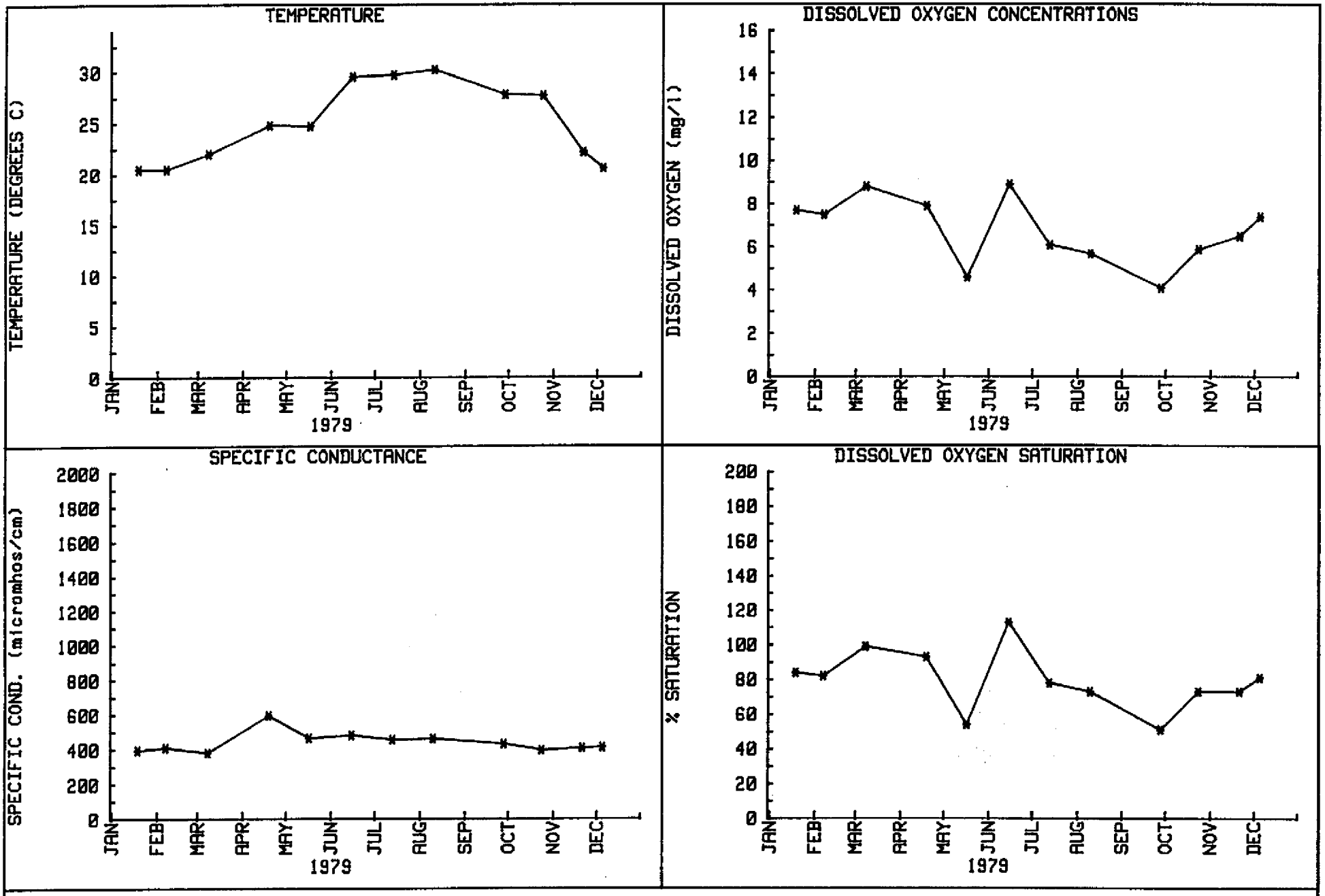


FIGURE . FIELD DATA VS TIME FOR C-15 AT S-40

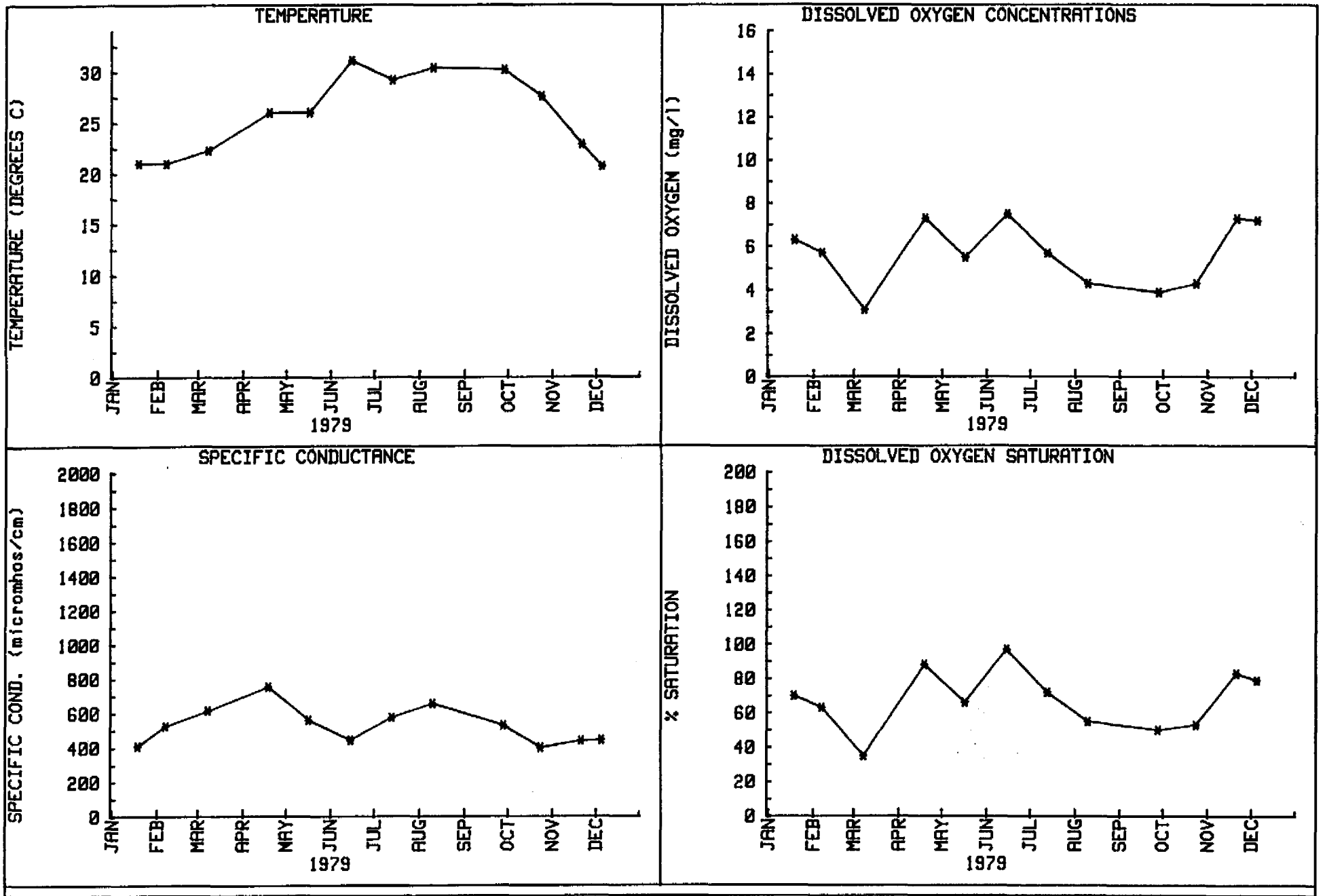


FIGURE . FIELD DATA VS TIME FOR C-16 AT S.R. 809

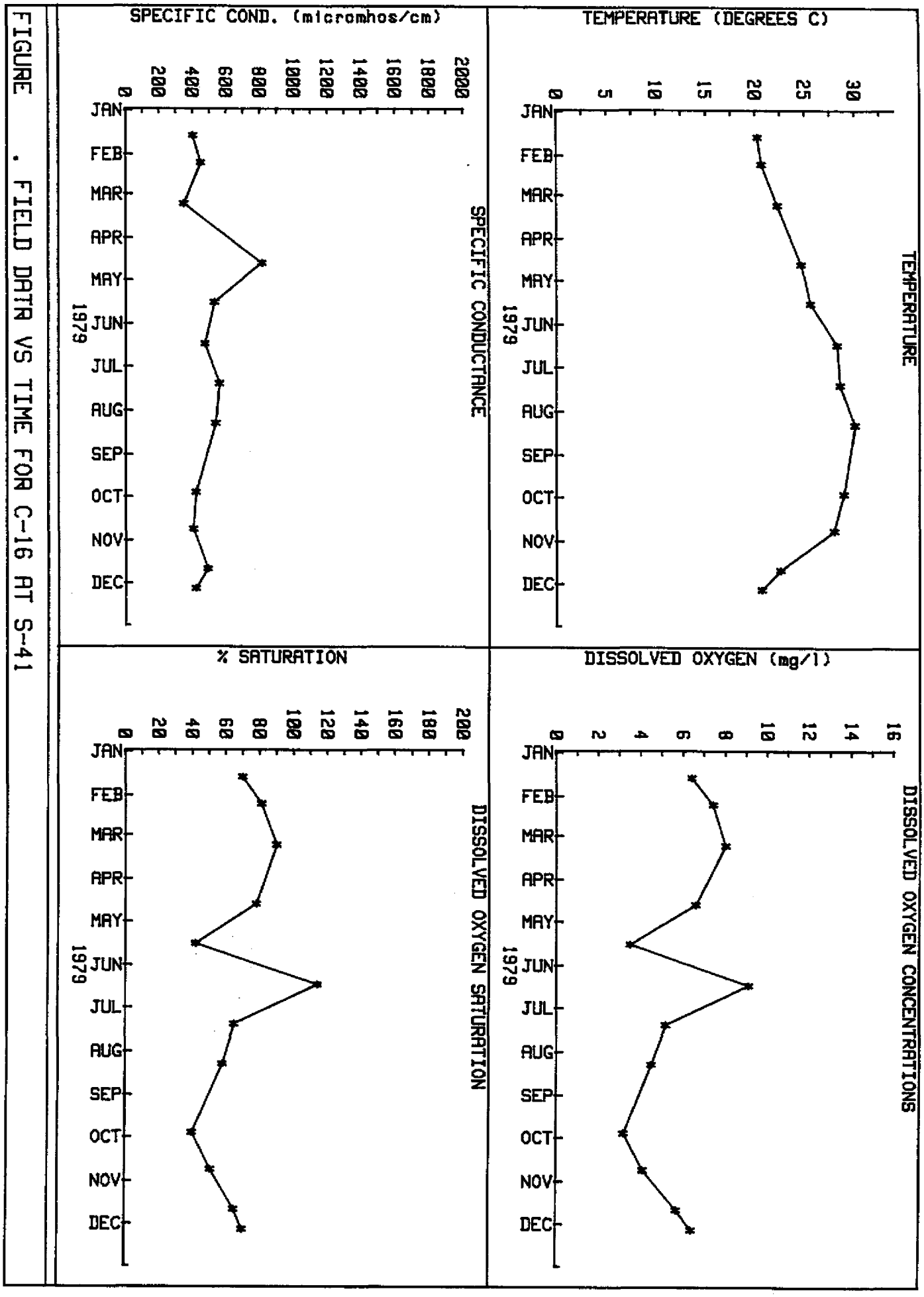


FIGURE . FIELD DATA VS TIME FOR C-16 AT S-41

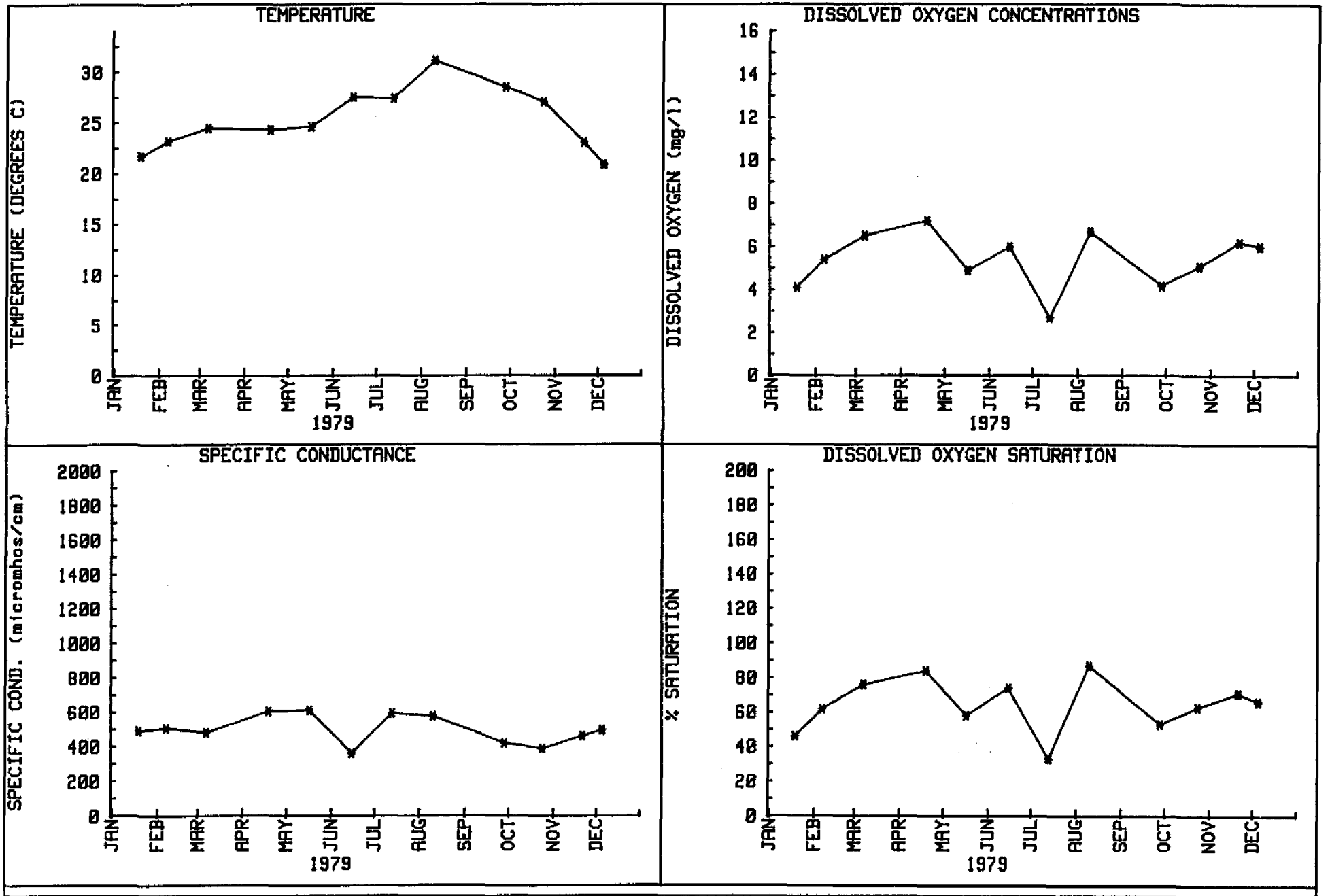


FIGURE . FIELD DATA VS TIME FOR C-17 AT S.R. 702

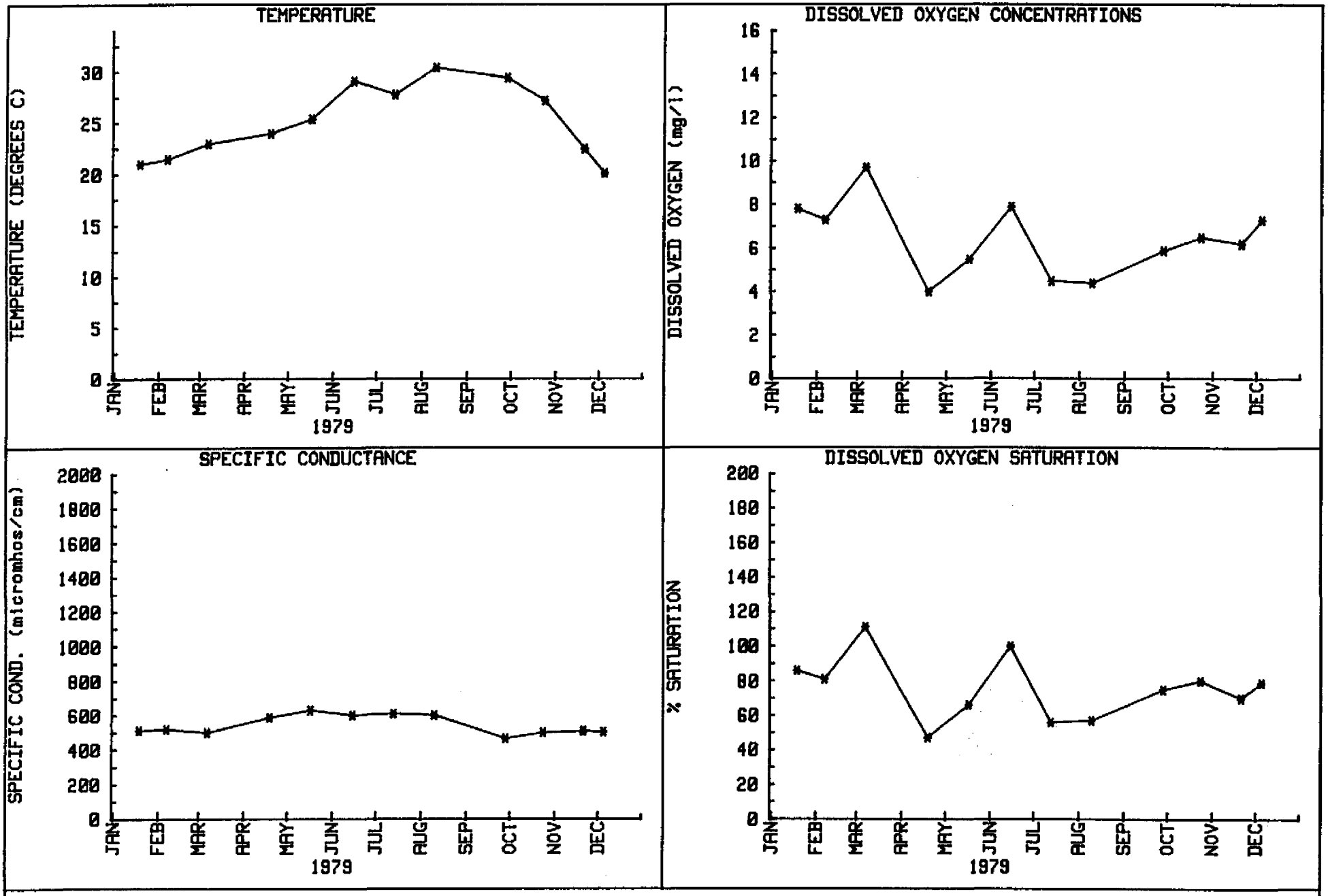


FIGURE . FIELD DATA VS TIME FOR C-17 AT S-44

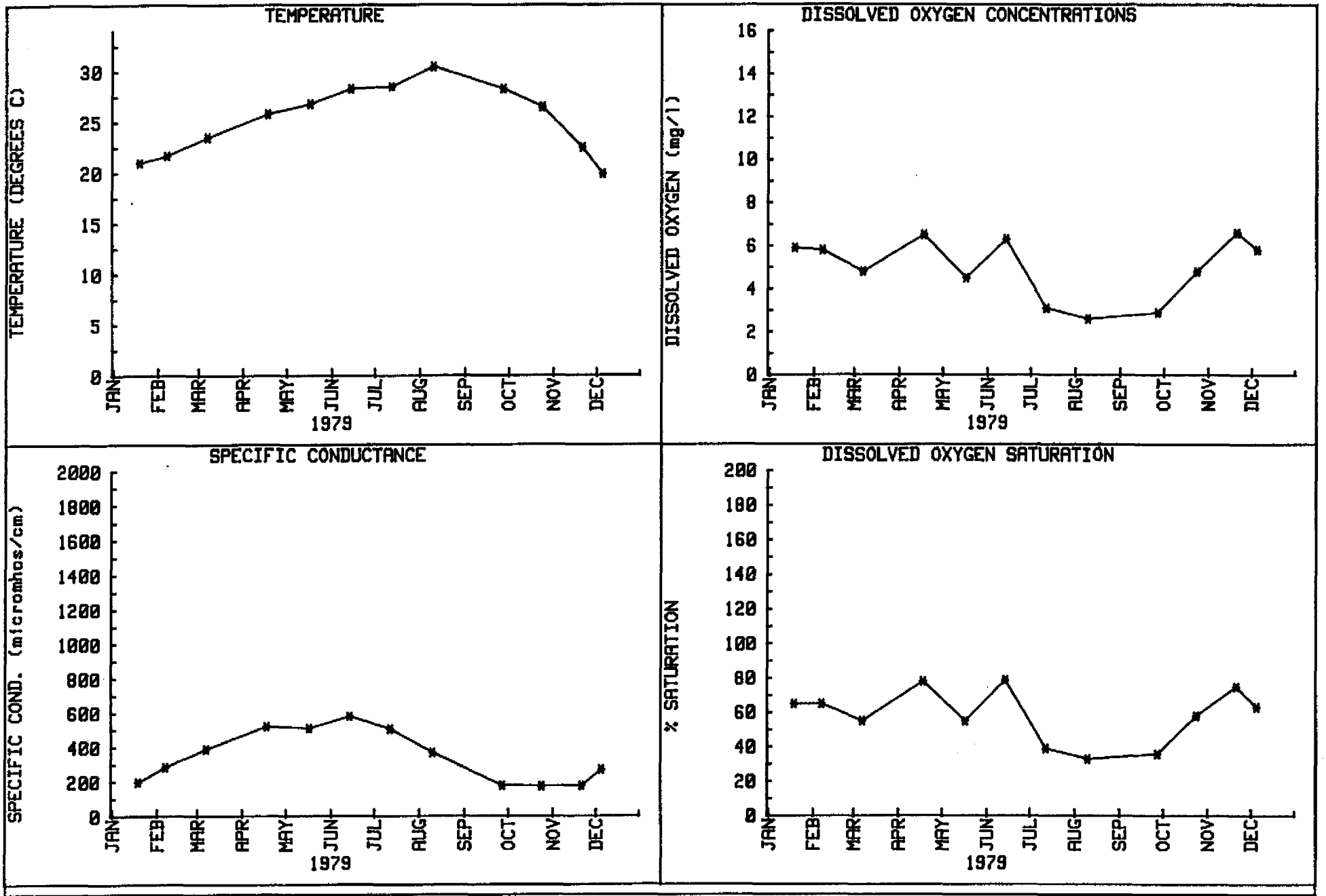


FIGURE . FIELD DATA VS TIME FOR C-18 AT S.R. 710

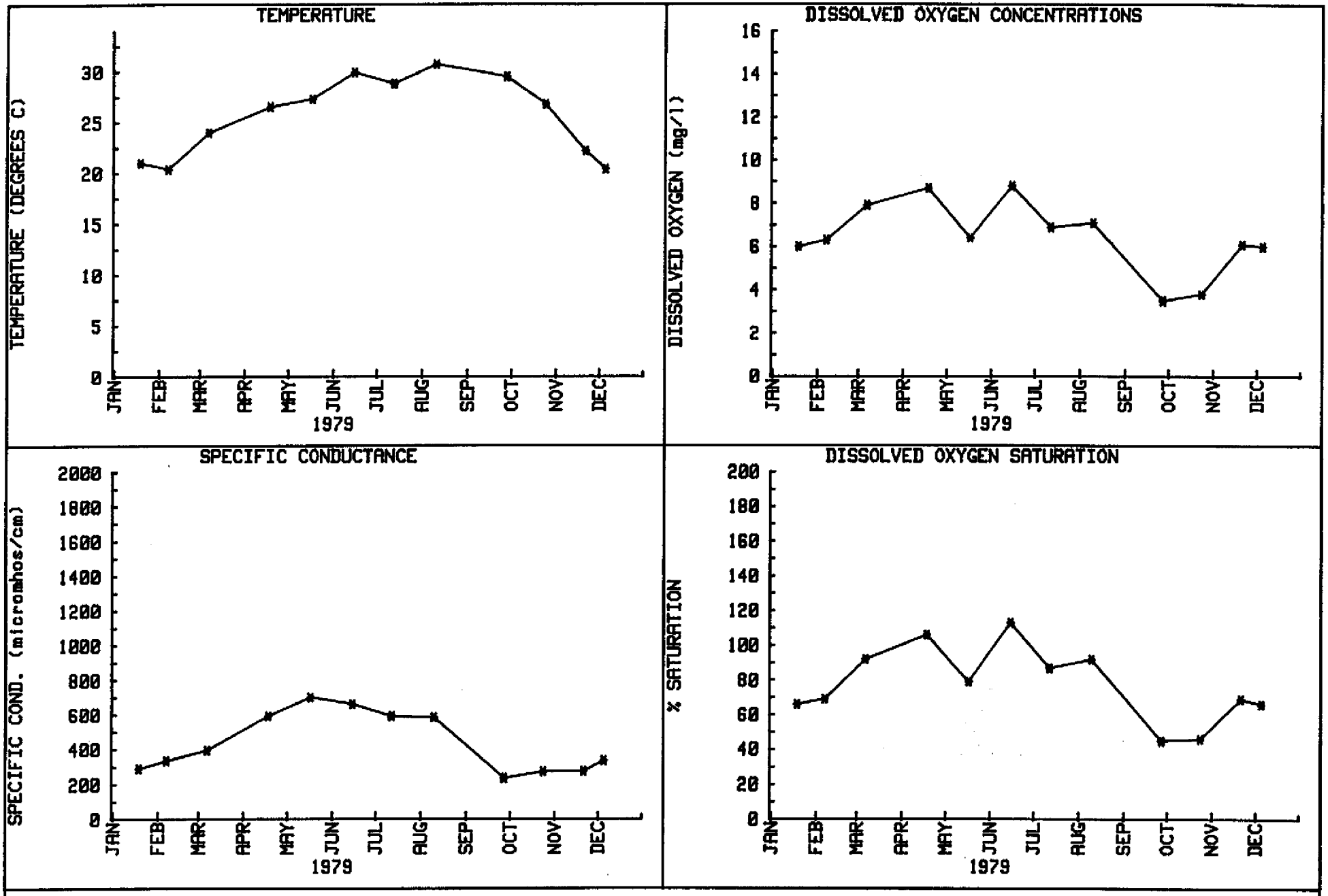


FIGURE . FIELD DATA VS TIME FOR C-18; 1.9 MILES WEST OF THE TURNPIKE

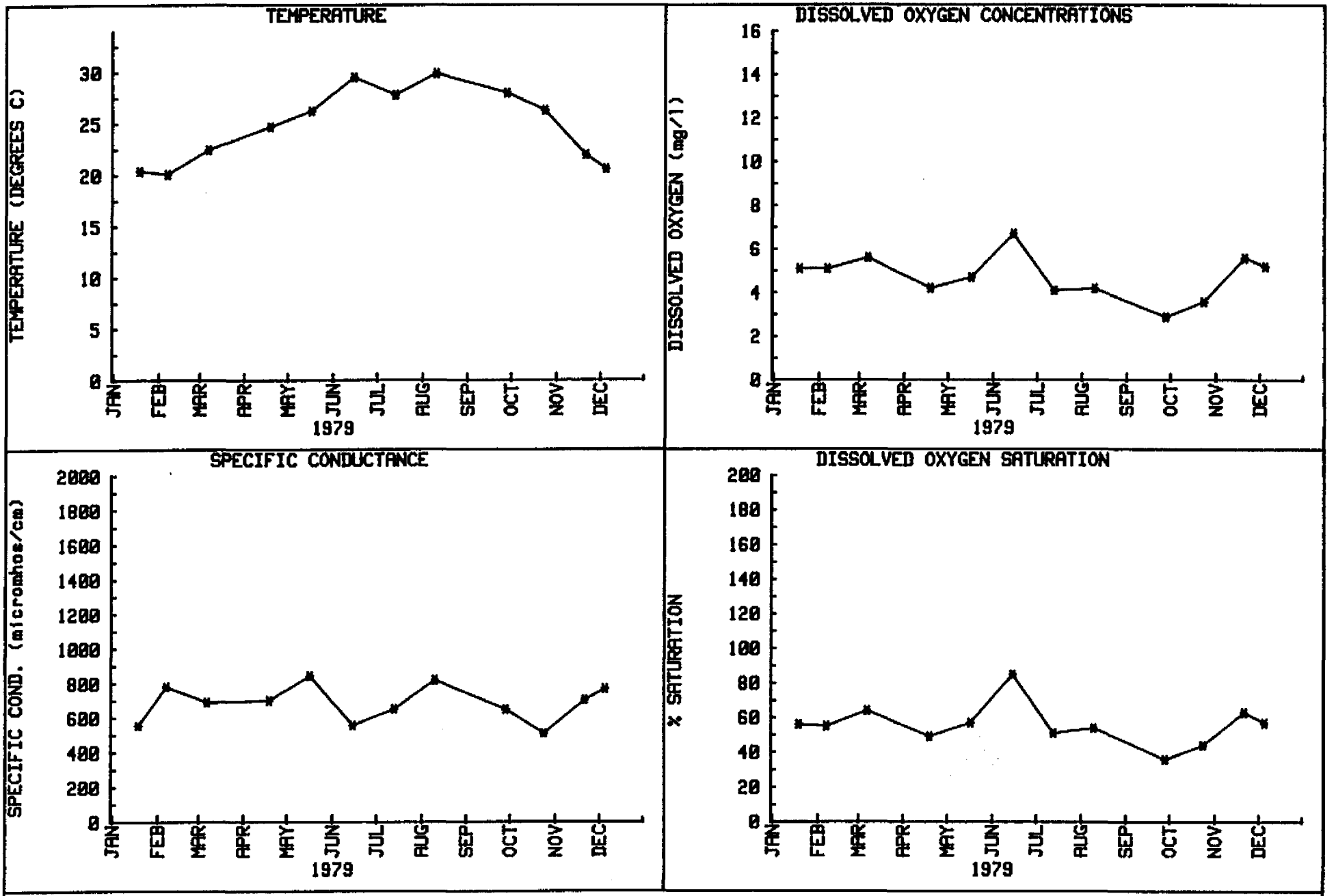


FIGURE . FIELD DATA VS TIME FOR C-51 AT S-155

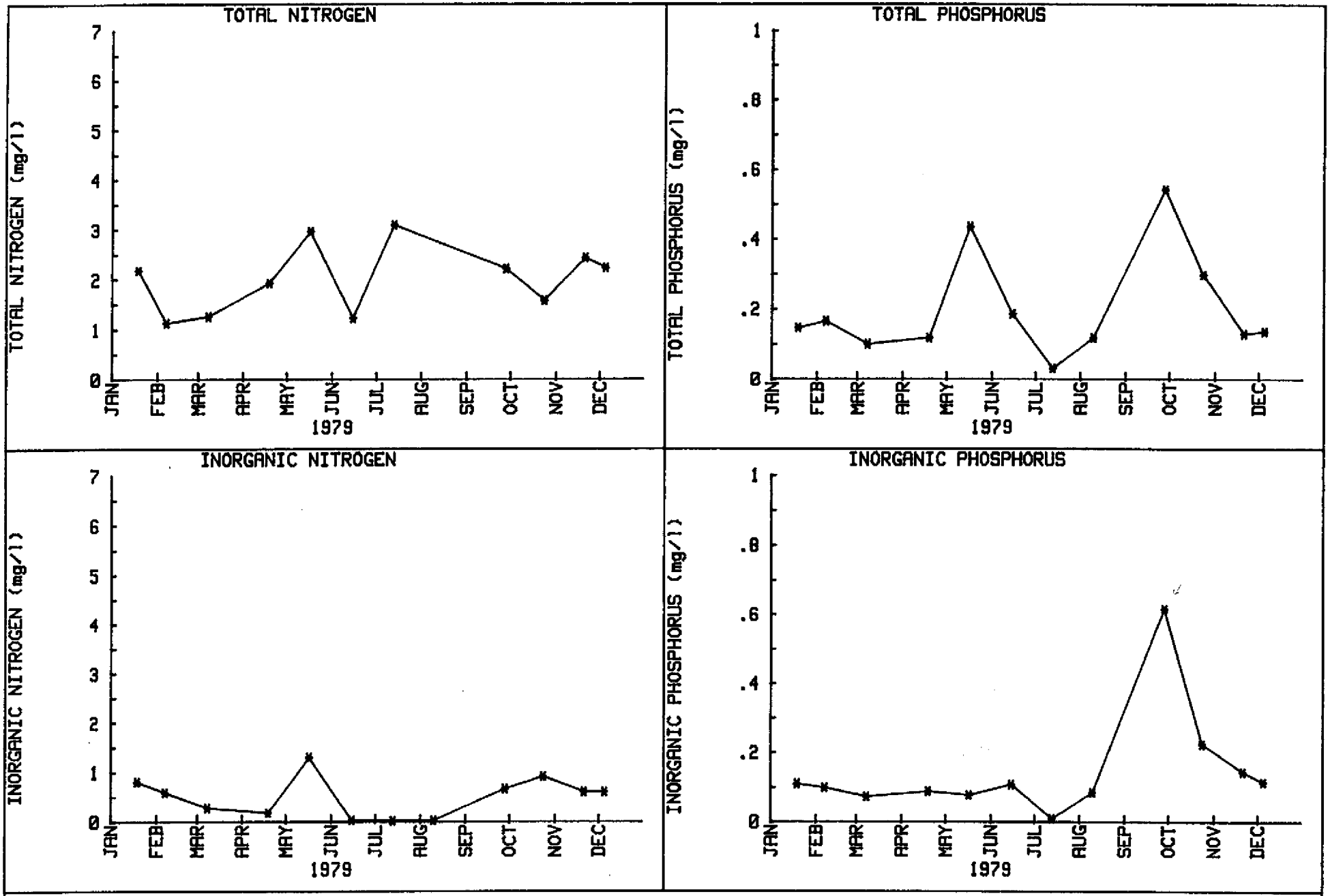


FIGURE . WATER QUALITY DATA VS TIME FOR C-15 AT SR 809

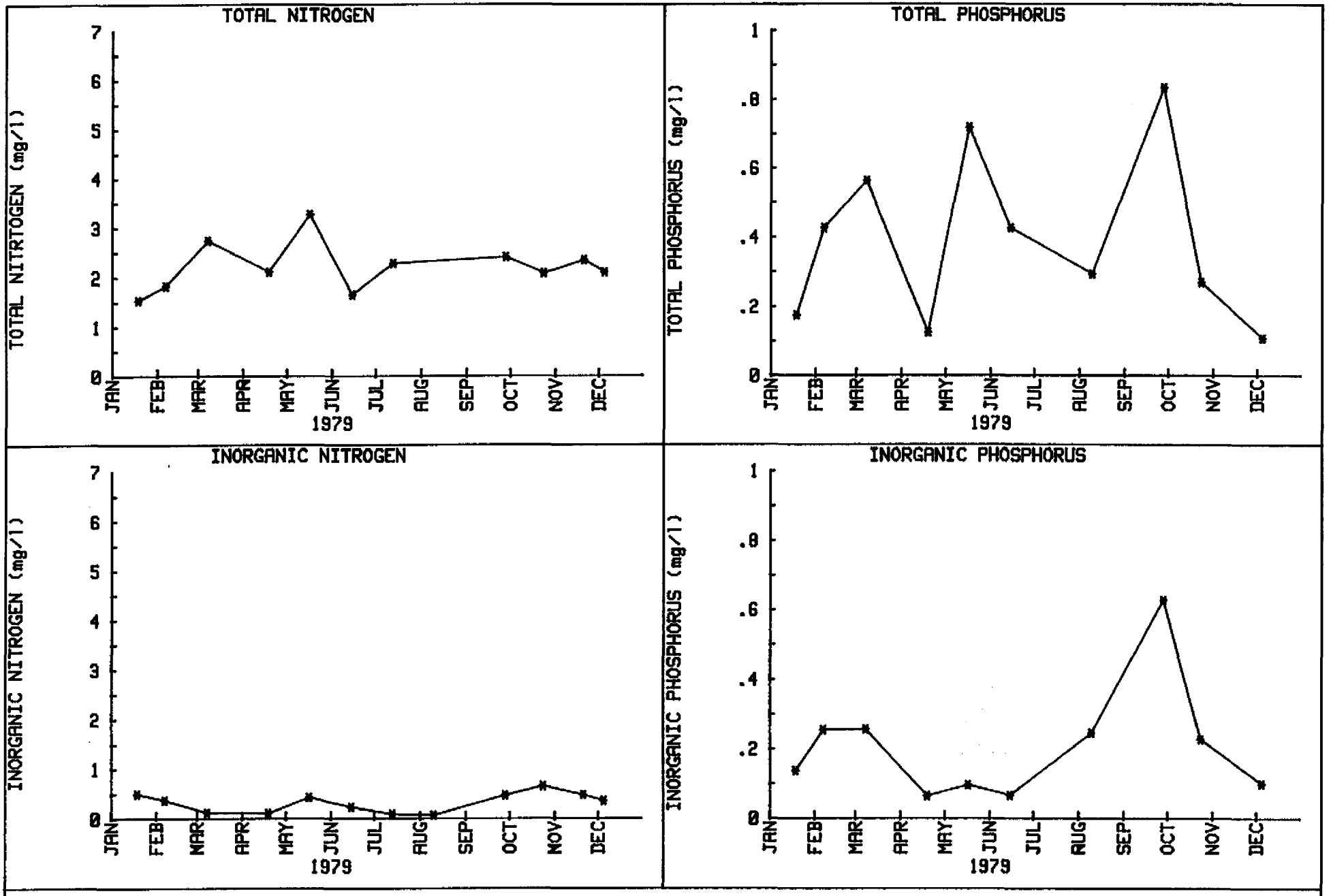


FIGURE . WATER QUALITY DATA VS TIME FOR C-16 AT SR 809

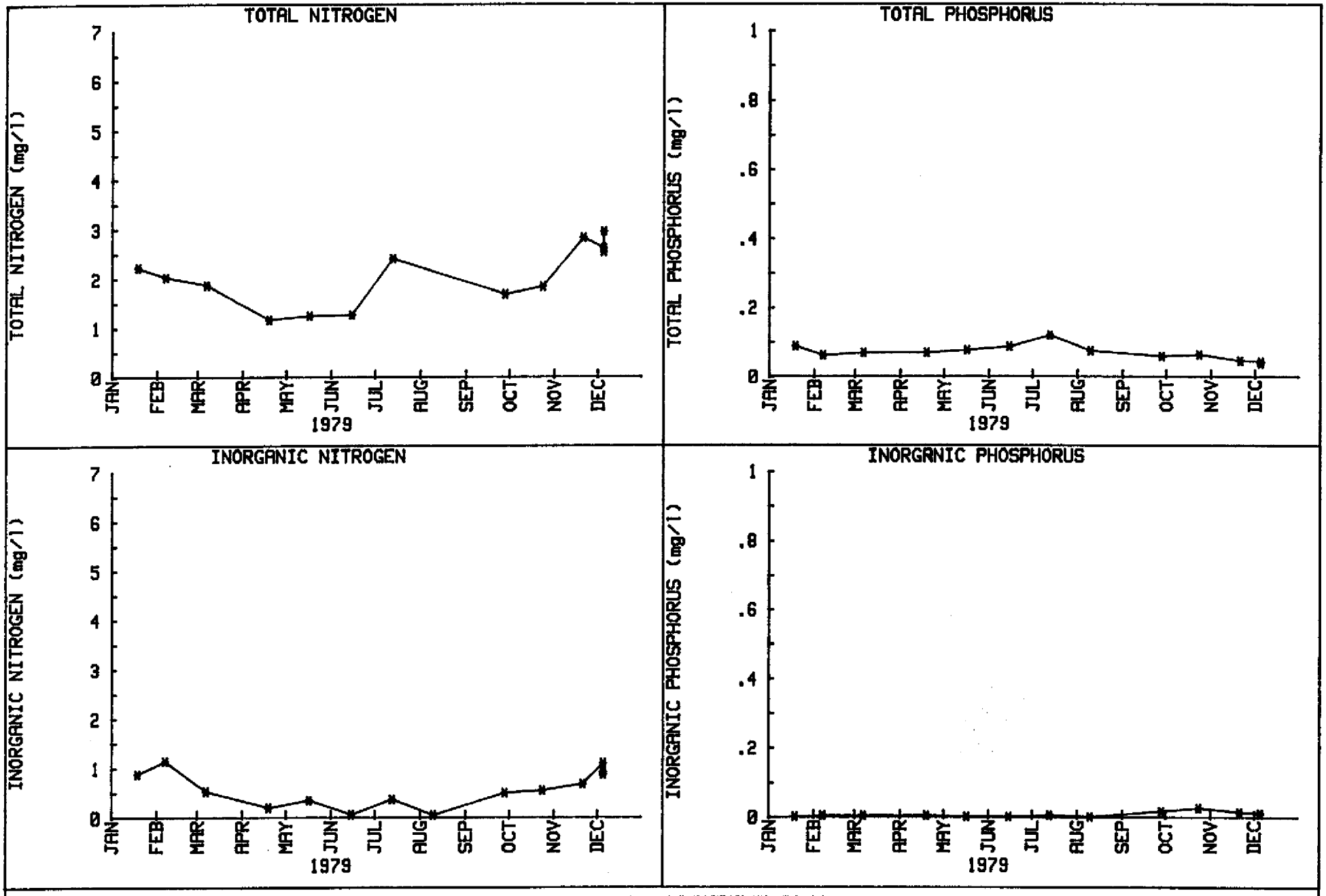


FIGURE . WATER QURLITY DATA VS TIME FOR C-17 AT SR 702

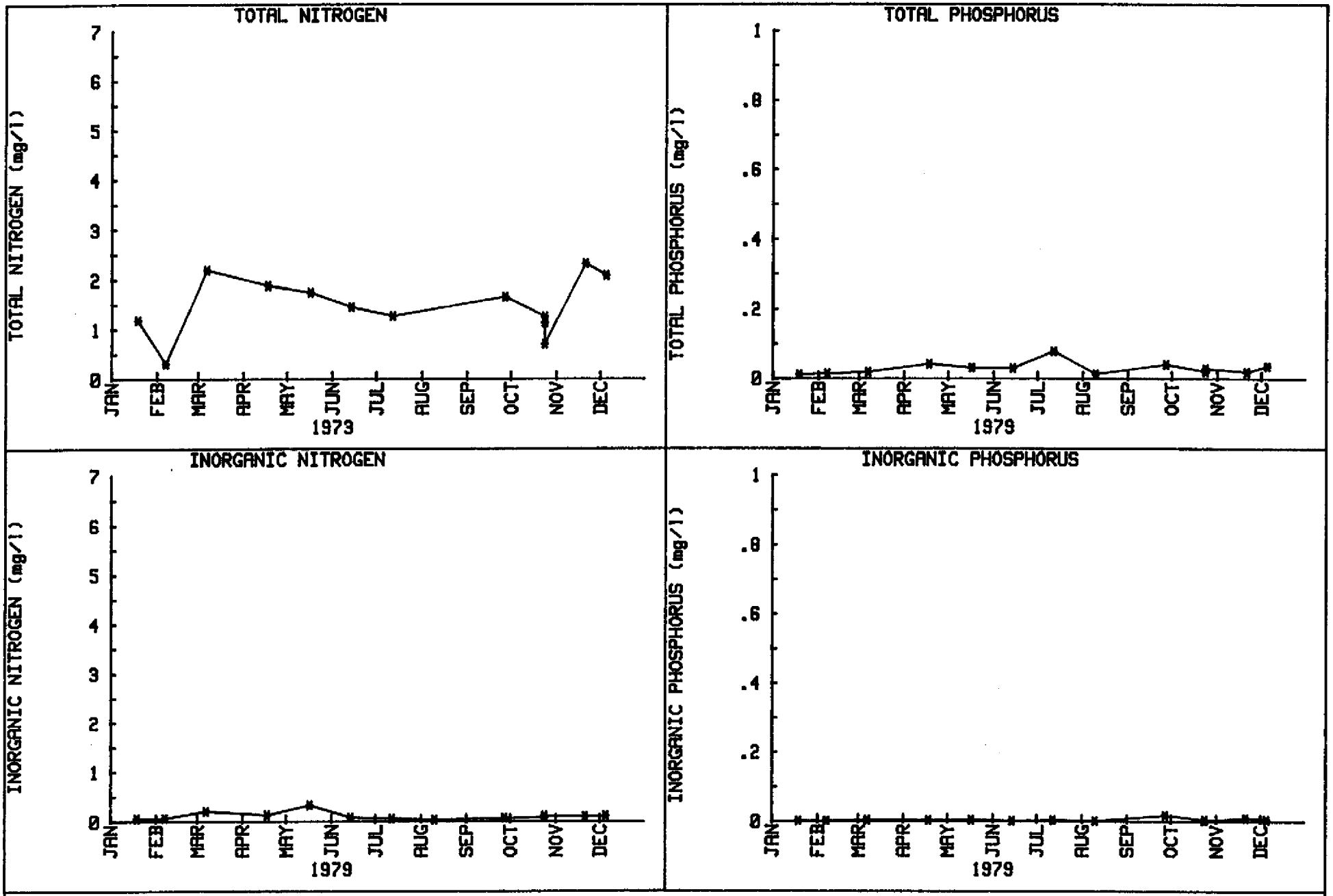


FIGURE . WATER QUALITY DATA VS TIME FOR C-18 AT SR 710

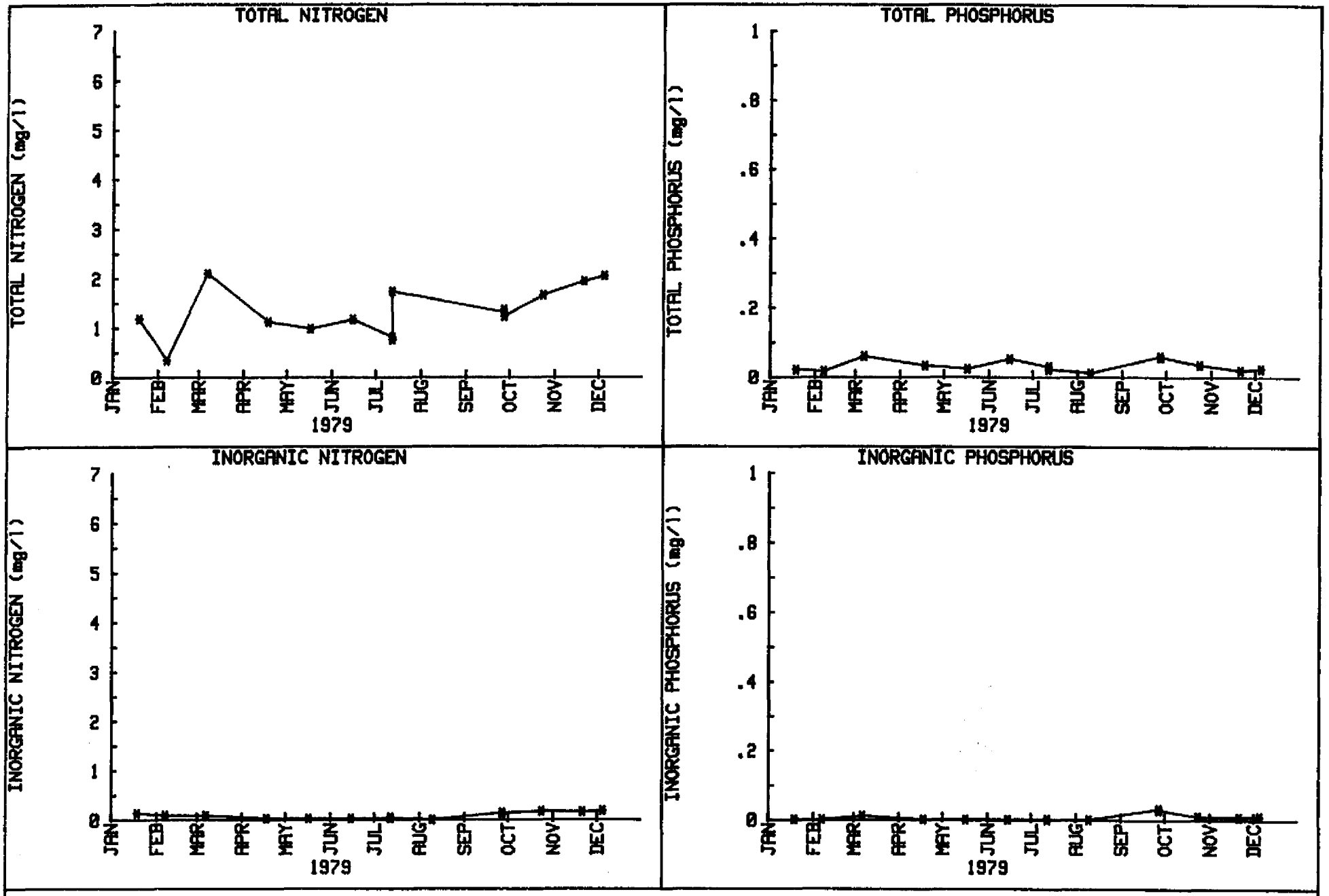


FIGURE . WRTER QUALITY DATA VS TIME FOR C-18; 1.9 MILES WEST OF THE TURNPIKE

APPENDIX D

TABLE RESULTS OF ANALYSIS FOR THE GATORSLOUGH CANAL

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	24.9	4.2	17.7	29.8
D.O. (mg/l)	12	8.4	1.9	4.7	10.6
D.O. (% Sat.)	12	98.	19.	59.	120.
Sp. Cond (μmhos/cm)	12	576.	141.	240.	820.
pH	12	7.62	0.26	7.12	8.07
Turbidity (JTU)	12	1.2	0.8	0.6	3.2
Color (Platinum Scale)	12	34.	25.	10.	100.
NO_x (mg/l)	12	0.008	0.003	0.004	0.016
NO_2 (mg/l)	12	0.005	0.001	0.004	0.007
NO_3 (mg/l)	12	0.005	0.002	0.004	0.012
NH_4 (mg/l)	12	0.02	0.02	0.01	0.08
$NO_x + NH_4$ (mg/l)	12	0.03	0.02	0.01	0.10
TKN (mg/l)	11	1.16	0.81	0.38	2.80
TKN-NH_4 (mg/l)	11	1.13	0.82	0.36	2.79
Total N (mg/l)	11	1.16	0.81	0.39	2.81
O-PO_4 (mg/l)	12	0.003	0.002	0.002	0.008
T-PO_4 (mg/l)	12	0.013	0.013	0.003	0.053
TOC (mg/l)	11	7.3	1.4	4.8	9.4

TABLE RESULTS OF ANALYSIS FOR BILLY CREEK

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	12	24.1	3.6	17.3	27.7
D.O. (mg/l)	12	5.1	2.7	1.6	9.8
D.O. (% Sat.)	12	59.	30.	20.	114.
Sp. Cond (μmhos/cm)	12	2633.	1692.	950.	6780.
pH	12	7.41	0.24	7.20	7.95
Turbidity (JTU)	11	2.0	0.8	0.9	3.0
Color (Platinum Scale)	12	64.	13.	50.	100.
NO_x (mg/l)	12	0.136	0.090	0.008	0.295
NO_2 (mg/l)	12	0.012	0.006	0.004	0.021
NO_3 (mg/l)	12	0.125	0.088	0.004	0.275
NH_4 (mg/l)	12	0.08	0.05	0.02	0.19
NO_x + NH_4 (mg/l)	12	0.22	0.10	0.03	0.36
TKN (mg/l)	10	1.86	1.18	0.85	4.99
TKN-NH_4 (mg/l)	10	1.78	1.19	0.73	4.95
Total N (mg/l)	10	1.99	1.13	0.97	5.00
O-PO_4 (mg/l)	10	0.164	0.071	0.031	0.269
T-PO_4 (mg/l)	10	0.227	0.041	0.171	0.295
TOC (mg/l)	11	12.5	2.0	8.7	14.4

TABLE RESULTS OF ANALYSIS FOR THE ORANGE RIVER

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^O)	12	23.8	3.1	17.3	27.0
D.O. (mg/l)	12	6.1	1.6	3.5	9.2
D.O. (% sat.)	12	70.	15.	42.	95.
Sp. Cond. (μmhos/cm)	12	725.	228.	440.	1400.
pH	12	7.50	0.23	7.20	8.00
Turbidity (JTU)	12	2.0	0.5	1.5	3.1
Color (Platinum Scale)	12	52.	17.	25.	100.
NO_x (mg/l)	12	0.093	0.064	0.017	0.226
NO_2 (mg/l)	12	0.005	0.001	0.004	0.008
NO_3 (mg/l)	12	0.088	0.064	0.013	0.219
NH_4 (mg/l)	12	0.02	0.01	0.01	0.03
$NO_x + NH_4$ (mg/l)	12	0.11	0.06	0.04	0.25
TKN (mg/l)	11	0.97	0.41	0.28	1.61
TKN-NH_4 (mg/l)	11	0.95	0.41	0.26	1.58
Total-N (mg/l)	11	1.07	0.41	0.39	1.63
O-PO_4 (mg/l)	12	0.016	0.014	0.005	0.055
T-PO_4 (mg/l)	12	0.059	0.079	0.015	0.299
TOC (mg/l)	11	12.0	3.0	8.4	19.7

TABLE RESULTS OF ANALYSIS FOR THE WEST BRANCH OF THE COCOHATCHEE RIVER

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^O)	12	24.1	3.3	18.3	29.5
D.O. (mg/l)	12	3.0	1.8	1.1	7.1
D.O. (% sat.)	12	34.	21.	13.	85.
Sp. Cond. (μmhos/cm)	12	2019.	3171.	180.	12000.
pH	11	7.19	0.22	6.88	7.56
Turbidity (JTU)	12	1.9	1.7	0.5	7.0
Color (Platinum Scale)	12	65.	19.	40.	100.
NO_x (mg/l)	12	0.181	0.205	0.008	0.574
NO_2 (mg/l)	12	0.029	0.041	0.004	0.154
NO_3 (mg/l)	12	0.153	0.176	0.004	0.440
NH_4 (mg/l)	12	0.23	0.32	0.03	1.14
$NO_x + NH_4$ (mg/l)	12	0.41	0.31	0.04	1.17
TKN (mg/l)	11	1.73	0.55	1.00	2.81
TKN-NH_4 (mg/l)	11	1.52	0.46	0.94	2.55
Total N (mg/l)	11	1.93	0.52	1.33	2.84
O-PO_4 (mg/l)	11	0.941	0.596	0.269	2.298
T-PO_4 (mg/l)	11	1.283	0.610	0.507	2.640
TOC (mg/l)	11	13.4	5.6	8.7	29.1

TABLE RESULTS OF ANALYSIS FOR THE NORTH NAPLES CANAL

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	25.6	4.9	16.6	32.1
D.O. (mg/l)	12	7.0	2.3	3.6	10.8
D.O. (% Sat.)	12	83.	28.	43.	132.
Sp. Cond. (μmhos/cm)	12	884.	144.	635.	1080.
pH	12	7.40	0.33	6.75	7.76
Turbidity (JTU)	12	3.3	2.9	1.2	12.0
Color (Platinum Scale)	12	73.	24.	50.	130.
NO_x (mg/l)	12	0.009	0.007	0.004	0.029
NO_2 (mg/l)	12	0.005	0.003	0.004	0.014
NO_3 (mg/l)	12	0.005	0.003	0.004	0.015
NH_4 (mg/l)	12	0.03	0.05	0.01	0.20
$NO_x + NH_4$ (mg/l)	12	0.04	0.06	0.01	0.23
TKN (mg/l)	11	1.40	0.40	0.89	2.17
TKN-NH_4 (mg/l)	11	1.36	0.39	0.88	2.14
Total N (mg/l)	11	1.40	0.40	0.89	2.18
O-PO_4 (mg/l)	12	0.020	0.046	0.002	0.163
T-PO_4 (mg/l)	12	0.123	0.272	0.014	0.978
TOC (mg/l)	11	13.0	2.8	7.7	17.3

TABLE RESULTS OF ANALYSIS FOR THE EAST BRANCH OF THE COCOHATCHEE RIVER

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^0)	10	24.3	3.9	17.5	29.8
D.O. (mg/l)	10	5.2	2.1	2.1	8.4
D.O. (% Sat.)	10	60.0	22.0	24.0	89.0
Sp. Cond (μmhos/cm)	10	1787.	2466.	400.	8100.
pH	9	7.15	0.38	6.30	7.62
Turbidity (JTU)	10	4.1	1.4	1.8	5.5
Color (Platinum Scale)	10	65.	28.	45.	140.
NO_x (mg/l)	10	0.034	0.035	0.004	0.091
NO_2 (mg/l)	10	0.006	0.002	0.004	0.010
NO_3 (mg/l)	10	0.029	0.034	0.004	0.084
NH_4 (mg/l)	10	0.04	0.03	0.01	0.10
$NO_x + NH_4$ (mg/l)	10	0.07	0.05	0.01	0.13
TKN (mg/l)	9	1.42	0.84	0.20	3.32
TKN-NH_4 (mg/l)	9	1.37	0.85	0.10	3.28
Total N (mg/l)	9	1.44	0.86	0.10	3.33
O-PO_4 (mg/l)	10	0.033	0.071	0.002	0.229
T-PO_4 (mg/l)	10	0.055	0.072	0.013	0.242
TOC (mg/l)	10	12.0	3.6	7.1	19.0

TABLE RESULTS OF ANALYSIS FOR THE COCOHATCHEE CANAL EAST OF STATE ROAD 31

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	25.2	2.5	21.7	29.2
D.O. (mg/l)	12	6.6	2.4	2.2	9.1
D.O. (% Sat.)	12	78.	28.	27.	106.
Sp. Cond (μmhos/cm)	12	621.	156.	255.	790.
pH	12	7.24	0.18	6.85	7.48
Turbidity (JTU)	12	4.5	2.3	1.4	8.5
Color (Platinum Scale)	12	71.	21.	50.	120.
NO_x (mg/l)	12	0.052	0.053	0.005	0.168
NO_2 (mg/l)	12	0.006	0.002	0.004	0.010
NO_3 (mg/l)	12	0.047	0.051	0.004	0.158
NH_4 (mg/l)	12	0.03	0.03	0.01	0.09
$NO_x + NH_4$ (mg/l)	12	0.08	0.07	0.01	0.20
TKN (mg/l)	11	0.90	0.37	0.20	1.31
TKN-NH_4 (mg/l)	11	0.86	0.37	0.10	1.30
Total N (mg/l)	11	0.95	0.39	0.22	1.40
O-PO_4 (mg/l)	12	0.008	0.016	0.002	0.059
T-PO_4 (mg/l)	12	0.027	0.025	0.002	0.098
TOC (mg/l)	12	13.8	3.9	7.1	22.4

TABLE RESULTS OF ANALYSIS FOR THE COCOHATCHEE CANAL AT STATE ROAD 951

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	10	24.9	3.1	21.5	30.5
D.O. (mg/l)	10	4.4	1.6	1.2	5.9
D.O. (% Sat.)	10	52.	19.	13.	71.
Sp. Cond (μmhos/cm)	10	541.	178.	61.	700.
pH	10	7.07	0.49	6.00	8.06
Turbidity (JTU)	10	34.3	53.9	0.5	140.0
Color (Platinum Scale)	10	87.	35.	45.	160.
NO_x (mg/l)	10	0.031	0.019	0.004	0.064
NO_2 (mg/l)	10	0.005	0.001	0.004	0.008
NO_3 (mg/l)	10	0.027	0.018	0.004	0.060
NH_4 (mg/l)	10	0.04	0.02	0.01	0.07
$NO_x + NH_4$ (mg/l)	10	0.07	0.03	0.01	0.12
TKN (mg/l)	9	1.72	0.85	0.84	3.48
TKN-NH_4 (mg/l)	9	1.67	0.84	0.80	3.42
Total N (mg/l)	9	1.75	0.86	0.88	3.54
O-PO_4 (mg/l)	10	0.003	0.002	0.002	0.007
T-PO_4 (mg/l)	10	0.017	0.013	0.004	0.039
TOC (mg/l)	10	18.3	4.5	10.2	24.0

TABLE RESULTS OF ANALYSIS FOR THE GORDON RIVER AT STATE ROAD 886

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	23.1	3.8	16.6	28.5
D.O. (mg/l)	12	2.4	1.2	1.1	4.7
D.O. (% sat.)	12	27.	13.	13.	49.
Sp. Cond. (μmhos/cm)	12	1548	979.	588.	3300.
pH	12	7.14	0.17	6.90	7.45
Turbidity (JTU)	12	0.9	0.3	0.6	1.4
Color (Platinum Scale)	12	53.	14.	32.	80.
NO_x (mg/l)	12	0.057	0.061	0.004	0.193
NO_2 (mg/l)	12	0.008	0.004	0.004	0.014
NO_3 (mg/l)	12	0.050	0.058	0.004	0.181
NH_4 (mg/l)	12	0.05	0.04	0.01	0.11
$NO_x + NH_4$ (mg/l)	12	0.11	0.07	0.03	0.23
TKN (mg/l)	11	1.21	0.64	0.49	2.45
TKN-NH_4 (mg/l)	11	1.16	0.63	0.47	2.40
Total N (mg/l)	11	1.27	0.63	0.53	2.47
O-PO_4 (mg/l)	12	0.018	0.023	0.002	0.074
T-PO_4 (mg/l)	12	0.045	0.028	0.013	0.114
TOC (mg/l)	12	11.5	4.4	6.1	23.4

TABLE RESULTS OF ANALYSIS FOR THE GORDON RIVER (GOLDEN GATE CANAL) AT STATE ROAD 31

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	12	24.8	3.7	17.4	29.3
D.O. (mg/l)	12	5.4	1.9	2.9	8.4
D.O. (% Sat.)	12	62.	19.	35.	101.
Sp. Cond (μmhos/cm)	12	584.	102.	310.	701.
pH	12	7.20	0.22	6.87	7.60
Turbidity (JTU)	12	2.6	0.5	1.5	3.5
Color (Platinum Scale)	12	84.	12.	60.	100.
NO_x (mg/l)	12	0.043	0.034	0.008	0.125
NO_2 (mg/l)	12	0.005	0.002	0.004	0.012
NO_3 (mg/l)	12	0.038	0.033	0.004	0.120
NH_4 (mg/l)	12	0.05	0.04	0.01	0.13
$NO_x + NH_4$ (mg/l)	12	0.09	0.07	0.02	0.20
TKN (mg/l)	11	0.98	0.36	0.42	1.69
TKN-NH_4 (mg/l)	11	0.94	0.33	0.40	1.58
Total N (mg/l)	11	1.03	0.38	0.44	1.77
O-PO_4 (mg/l)	12	0.005	0.004	0.002	0.013
T-PO_4 (mg/l)	12	0.016	0.007	0.009	0.032
TOC (mg/l)	12	13.4	3.9	5.2	18.6

TABLE RESULTS OF ANALYSIS FOR THE GOLDEN GATE CANAL AT STATE ROAD 951

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	11	24.1	2.8	19.0	28.2
D.O. (mg/l)	11	4.0	1.6	1.5	6.5
D.O. (% Sat.)	11	46.	18.	18.	77.
Sp. Cond (µmhos/cm)	11	594.	60.	475.	680.
pH	11	7.03	0.15	6.76	7.21
Turbidity (JTU)	11	3.2	0.9	1.7	5.0
Color (Platinum Scale)	11	99.	7.	80.	110.
NO_x (mg/l)	11	0.041	0.029	0.008	0.092
NO_2 (mg/l)	11	0.005	0.001	0.004	0.006
NO_3 (mg/l)	11	0.037	0.029	0.004	0.087
NH_4 (mg/l)	11	0.05	0.04	0.01	0.14
$NO_x + NH_4$ (mg/l)	11	0.09	0.06	0.03	0.22
TKN (mg/l)	11	1.03	0.33	0.56	1.71
TKN-NH_4 (mg/l)	11	0.99	0.32	0.53	1.65
Total N (mg/l)	11	1.08	0.33	0.58	1.77
O-PO_4 (mg/l)	11	0.005	0.005	0.002	0.018
T-PO_4 (mg/l)	11	0.018	0.010	0.007	0.040
TOC (mg/l)	11	16.1	1.8	12.5	18.6

TABLE RESULTS OF ANALYSIS FOR LELY CANAL

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	24.8	3.4	18.0	28.8
D.O. (mg/l)	12	6.0	2.2	2.7	9.0
D.O. (% sat.)	12	71.	26.	33.	111.
Sp. Cond. (μmhos/cm)	12	849.	117.	678.	1059.
pH	12	7.27	0.23	6.80	7.58
Turbidity (JTU)	12	4.0	2.7	1.3	10.0
Color (Platinum Scale)	12	37.	10.	29.	60.
NO_x (mg/l)	12	0.021	0.029	0.005	0.109
NO_2 (mg/l)	12	0.005	0.002	0.004	0.011
NO_3 (mg/l)	12	0.017	0.027	0.004	0.098
NH_4 (mg/l)	12	0.05	0.04	0.01	0.16
$NO_x + NH_4$ (mg/l)	12	0.07	0.07	0.02	0.27
TKN (mg/l)	11	1.30	1.07	0.48	4.32
TKN-NH_4 (mg/l)	11	1.25	1.07	0.47	4.27
Total N (mg/l)	11	1.32	1.06	0.50	4.33
O-PO_4 (mg/l)	12	0.003	0.002	0.002	0.019
T-PO_4 (mg/l)	12	0.022	0.009	0.007	0.035
TOC (mg/l)	12	9.5	1.9	5.8	11.3

TABLE RESULTS OF ANALYSIS FOR HENDERSON CREEK

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	24.4	2.8	18.1	27.3
D.O. (mg/l)	12	4.4	2.7	1.0	11.2
D.O. (% sat.)	12	52.	32.	12.	133.
Sp. Cond (μmhos/cm)	12	895.	228.	338.	1200.
pH	12	7.07	0.23	6.71	7.60
Turbidity (JTU)	12	1.3	0.8	0.5	2.7
Color (Platinum Scale)	12	74.	33.	15.	150.
NO_x (mg/l)	12	0.023	0.020	0.008	0.062
NO_2 (mg/l)	12	0.005	0.001	0.004	0.006
NO_3 (mg/l)	12	0.019	0.020	0.004	0.058
NH_4 (mg/l)	12	0.03	0.01	0.01	0.06
$NO_x + NH_4$ (mg/l)	12	0.06	0.02	0.02	0.09
TKN (mg/l)	11	1.32	0.41	0.75	2.16
TKN-NH_4 (mg/l)	11	1.29	0.42	0.70	2.13
Total N (mg/l)	11	1.34	0.42	0.79	2.17
O-PO_4 (mg/l)	12	0.002	0.000	0.002	0.002
T-PO_4 (mg/l)	12	0.014	0.010	0.003	0.042
TOC (mg/l)	12	15.4	4.8	10.0	27.9

TABLE RESULTS OF ANALYSIS FOR THE FAKA UNION CANAL

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	11	24.4	4.3	17.0	30.0
D.O. (mg/l)	11	8.7	4.6	2.3	15.1
D.O. (% Sat.)	11	103.	57.	26.	191.
Sp. Cond (μmhos/cm)	11	559.	151.	250.	750.
pH	10	7.35	0.23	7.00	7.60
Turbidity (JTU)	11	0.6	0.2	0.4	1.1
Color (Platinum Scale)	11	40.	34.	15.	120.
NO_x (mg/l)	11	0.013	0.023	0.004	0.083
NO_2 (mg/)	11	0.004	0.002	0.004	0.009
NO_3 (mg/l)	11	0.011	0.021	0.004	0.074
NH_4 (mg/l)	11	0.02	0.01	0.01	0.03
$NO_x + NH_4$ (mg/l)	11	0.03	0.02	0.01	0.09
TKN (mg/l)	11	1.07	0.67	0.48	2.43
TKN-NH_4 (mg/l)	11	1.05	0.66	0.46	2.40
Total N (mg/l)	11	1.08	0.68	0.48	2.43
O-PO_4 (mg/l)	11	0.002	0.000	0.002	0.003
T-PO_4 (mg/l)	11	0.008	0.005	0.002	0.019
TOC (mg/l)	11	8.8	4.6	4.4	18.5

TABLE RESULTS OF ANALYSIS FOR THE BARRON RIVER

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{o})	11	23.9	3.2	18.8	30.0
D.O. (mg/l)	11	3.8	1.0	2.4	5.5
D.O. (% Sat.)	11	45.	12.	28.	71.
Sp. Cond (μmhos/cm)	11	515.	96.	315.	645.
pH	11	7.10	0.14	6.90	7.35
Turbidity (JTU)	11	1.2	0.5	0.5	1.9
Color (Platinum Scale)	11	45.	18.	20.	70.
NO_x (mg/l)	11	0.037	0.036	0.004	0.107
NO_2 (mg/l)	11	0.004	0.000	0.004	0.004
NO_3 (mg/l)	11	0.034	0.036	0.004	0.103
NH_4 (mg/l)	11	0.02	0.01	0.01	0.05
$NO_x + NH_4$ (mg/l)	11	0.06	0.04	0.01	0.14
TKN (mg/l)	11	0.92	0.37	0.20	1.53
$TKN-NH_4$ (mg/l)	11	0.89	0.39	0.10	1.49
Total N (mg/l)	11	0.95	0.41	0.10	1.63
$O-PO_4$ (mg/l)	11	0.004	0.003	0.002	0.011
$T-PO_4$ (mg/l)	11	0.016	0.006	0.009	0.027
TOC (mg/l)	11	9.3	5.0	1.0	18.6

TABLE RESULTS OF ANALYSIS FOR THE TAMIAMI CANAL AT BRIDGE 84

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^O)	12	23.9	2.8	19.5	27.5
D.O. (mg/l)	11	4.0	1.4	2.1	7.3
D.O. (% sat.)	12	46.	17.	25.	89.
Sp. Cond. (μmhos/cm)	12	387.	76.	241.	472.
pH	12	7.18	0.11	7.00	7.37
Turbidity (JTU)	12	1.0	0.6	0.4	2.4
Color (Platinum Scale)	12	40.	15.	20.	70.
NO_x (mg/l	12	0.010	0.010	0.004	0.041
NO_2 (mg/l)	12	0.004	0.000	0.004	0.004
NO_3 (mg/l	12	0.007	0.009	0.004	0.037
NH_4 (mg/l)	12	0.02	0.01	0.01	0.04
$NO_x + NH_4$ (mg/l)	12	0.03	0.02	0.01	0.07
TKN (mg/l)	11	1.04	0.73	0.23	2.87
$TKN-NH_4$ (mg/l)	11	1.02	0.73	0.22	2.85
Total-N (mg/l)	11	1.05	0.74	0.23	2.88
$O-PO_4$ (mg/l)	12	0.003	0.001	0.002	0.005
$T-PO_4$ (mg/l)	12	0.010	0.007	0.004	0.026
TOC (mg/l)	12	7.4	2.1	4.4	10.4

TABLE RESULTS OF ANALYSIS FOR THE TAMIAMI CANAL AT BRIDGE 105

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^o)	12	23.0	3.5	17.7	27.0
D.O. (mg/l)	12	2.2	0.9	0.7	3.4
D.O. (% sat.)	12	25.	10.	8.	36.
Sp. cond (μmhos/cm)	12	333.	75.	215.	472.
pH	12	6.99	0.23	6.52	7.28
Turbidity (JTU)	12	0.8	0.5	0.4	1.8
Color (Platinum Scale)	12	34.	12.	20.	60.
NO_x (mg/l)	12	0.015	0.021	0.004	0.076
NO_2 (mg/l	12	0.004	0.001	0.004	0.006
NO_3 (mg/l)	12	0.012	0.019	0.004	0.070
NH_4 (mg/l)	12	0.03	0.02	0.01	0.08
NO_x + NH_4 (mg/l)	12	0.05	0.03	0.01	0.10
TKN (mg/l)	11	1.14	0.46	0.29	1.88
TKN-NH_4 (mg/l)	11	1.11	0.45	0.27	1.84
Total-N (mg/l)	11	1.16	0.46	0.29	1.89
O-PO_4 (mg/l)	12	0.005	0.004	0.002	0.015
T-PO_4 (mg/l)	12	0.030	0.027	0.009	0.099
TOC (mg/l)	12	10.6	3.6	6.0	18.7

TABLE RESULTS OF ANALYSIS FOR THE ESTERO RIVER

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^O)	12	23.9	3.7	15.0	28.5
D.O. (mg/l)	12	5.9	2.5	2.7	13.1
D.O. (% Sat.)	12	69.	30.	31.	156.
Sp. Cond (μmhos/cm)	12	1948.	2183.	218.	7800.
pH	12	7.22	0.54	6.05	8.30
Turbidity (JTU)	12	3.4	3.0	1.0	12.0
Color (Platinum Scale)	12	44.	25.	19.	105.
NO_x (mg/l)	12	0.311	0.332	0.013	1.233
NO_2 (mg/l)	12	0.011	0.015	0.004	0.057
NO_3 (mg/l)	12	0.301	0.319	0.009	1.176
NH_4 (mg/l)	12	0.04	0.02	0.01	0.09
$NO_x + NH_4$ (mg/l)	12	0.35	0.35	0.03	1.30
TKN (mg/l)	11	1.51	0.95	0.62	3.55
TKN-NH_4 (mg/l)	11	1.47	0.94	0.58	3.53
Total N (mg/l)	11	1.85	1.06	0.71	3.75
O-PO_4 (mg/l)	12	0.012	0.014	0.002	0.048
T-PO_4 (mg/l)	12	0.040	0.024	0.015	0.085
TOC (mg/l)	11	8.4	3.8	2.6	17.8

TABLE RESULTS OF ANALYSIS FOR THE IMPERIAL RIVER

Variables	Number of Values	Mean	Standard Deviation	Minimum Value	Maximum Value
Temp (C^{O})	11	24.7	4.6	15.7	31.5
D.O. (mg/l)	11	5.6	1.6	2.8	7.9
D.O. (% sat.)	11	65.	18.	32.	94.
Sp. Cond. (μmhos/cm)	11	4814.	5596.	210.	16000.
pH	11	7.15	0.47	5.95	7.62
Turbidity (JTU)	11	1.6	0.3	1.0	2.2
Color (Platinum Scale)	11	63.	15.	50.	100.
NO_x (mg/l)	11	0.018	0.012	0.004	0.043
NO_2 (mg/l)	11	0.005	0.002	0.004	0.010
NO_3 (mg/l)	11	0.014	0.011	0.004	0.038
NH_4 (mg/l)	11	0.02	0.01	0.01	0.04
NO_x + NH_4 (mg/l)	11	0.04	0.02	0.01	0.07
TKN (mg/l)	10	1.98	0.76	0.78	2.99
TKN-NH_4 (mg/l)	10	1.95	0.76	0.77	2.98
Total N (mg/l)	10	2.00	0.76	0.80	3.00
O-PO_4 (mg/l)	11	0.011	0.010	0.002	0.028
T-PO_4 (mg/l)	11	0.040	0.020	0.020	0.072
TOC (mg/l)	10	11.4	3.8	3.4	15.2

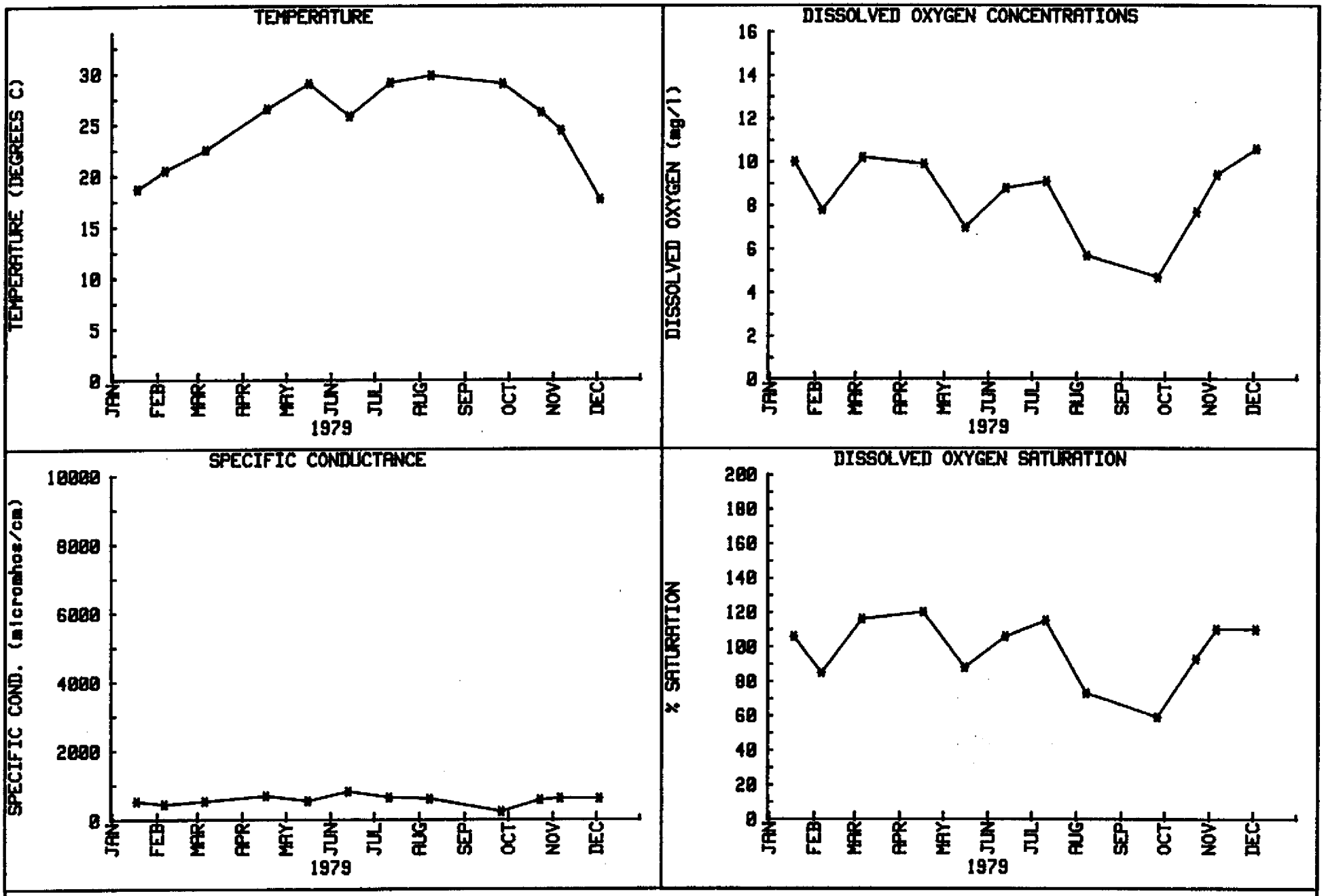


FIGURE . FIELD DATA VS TIME FOR THE GATOR SLOUGH CANAL

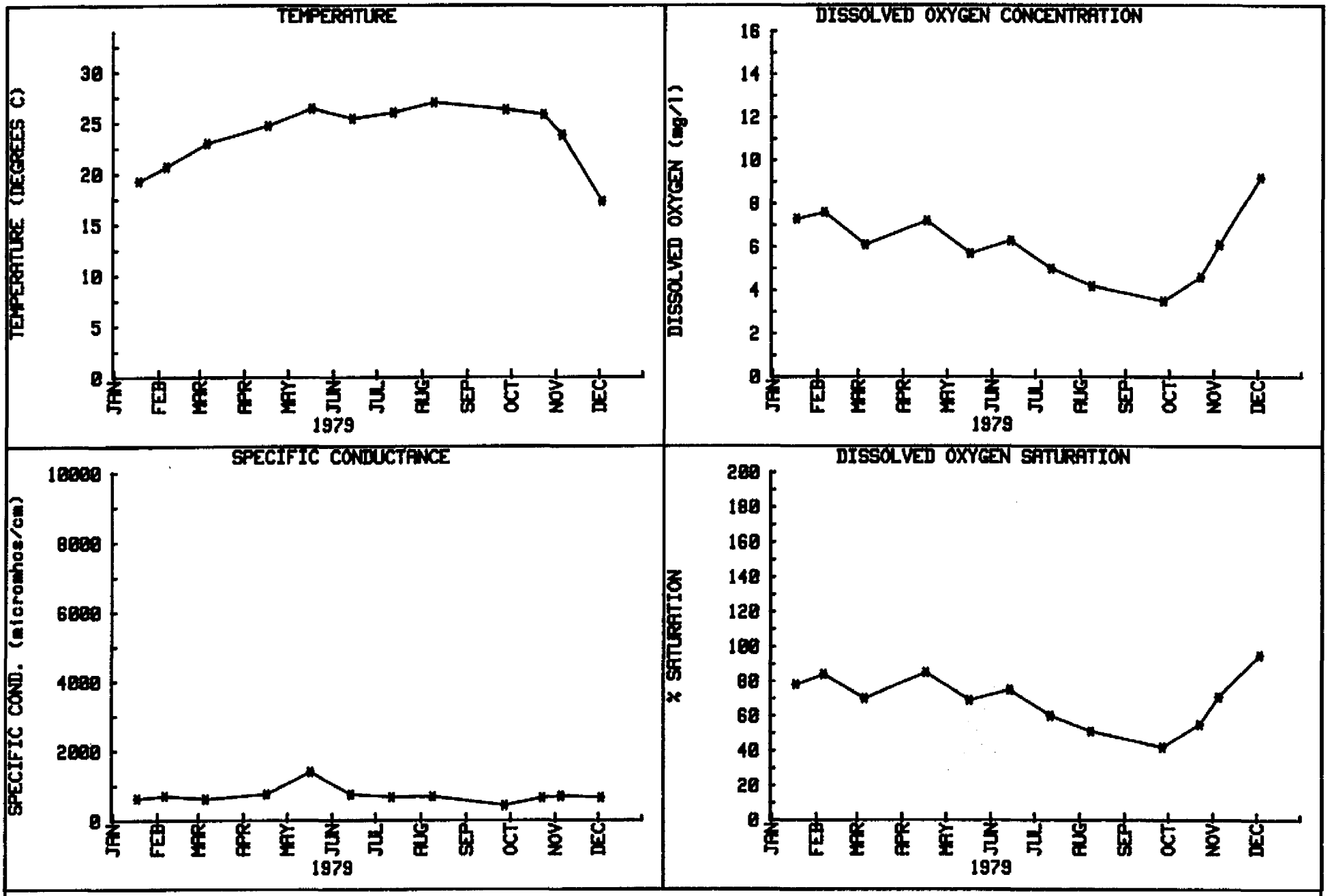


FIGURE . FIELD DATA VS TIME FOR THE ORANGE RIVER

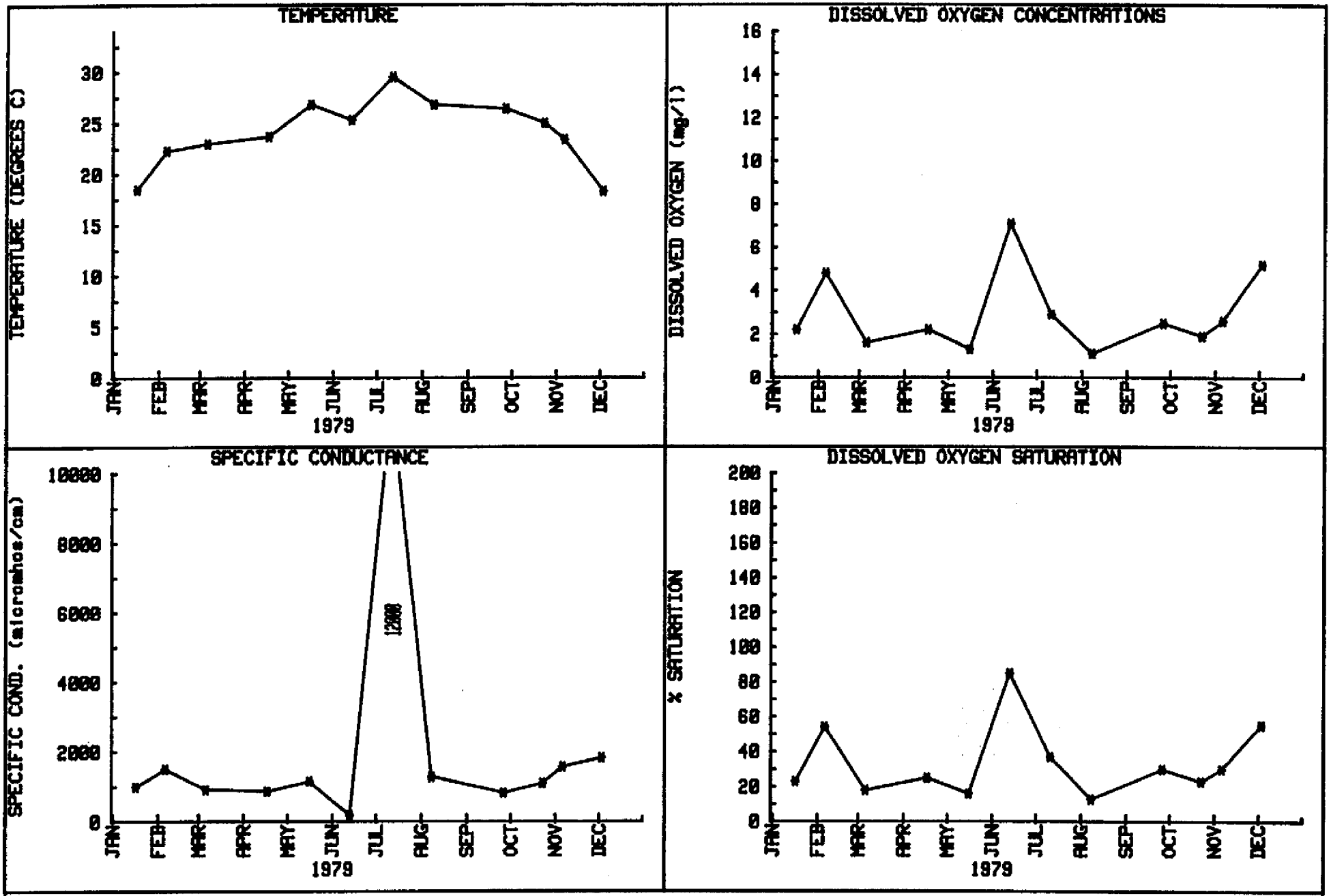


FIGURE . FIELD DATA VS TIME FOR THE WEST BRANCH OF THE COCOHATCHEE RIVER

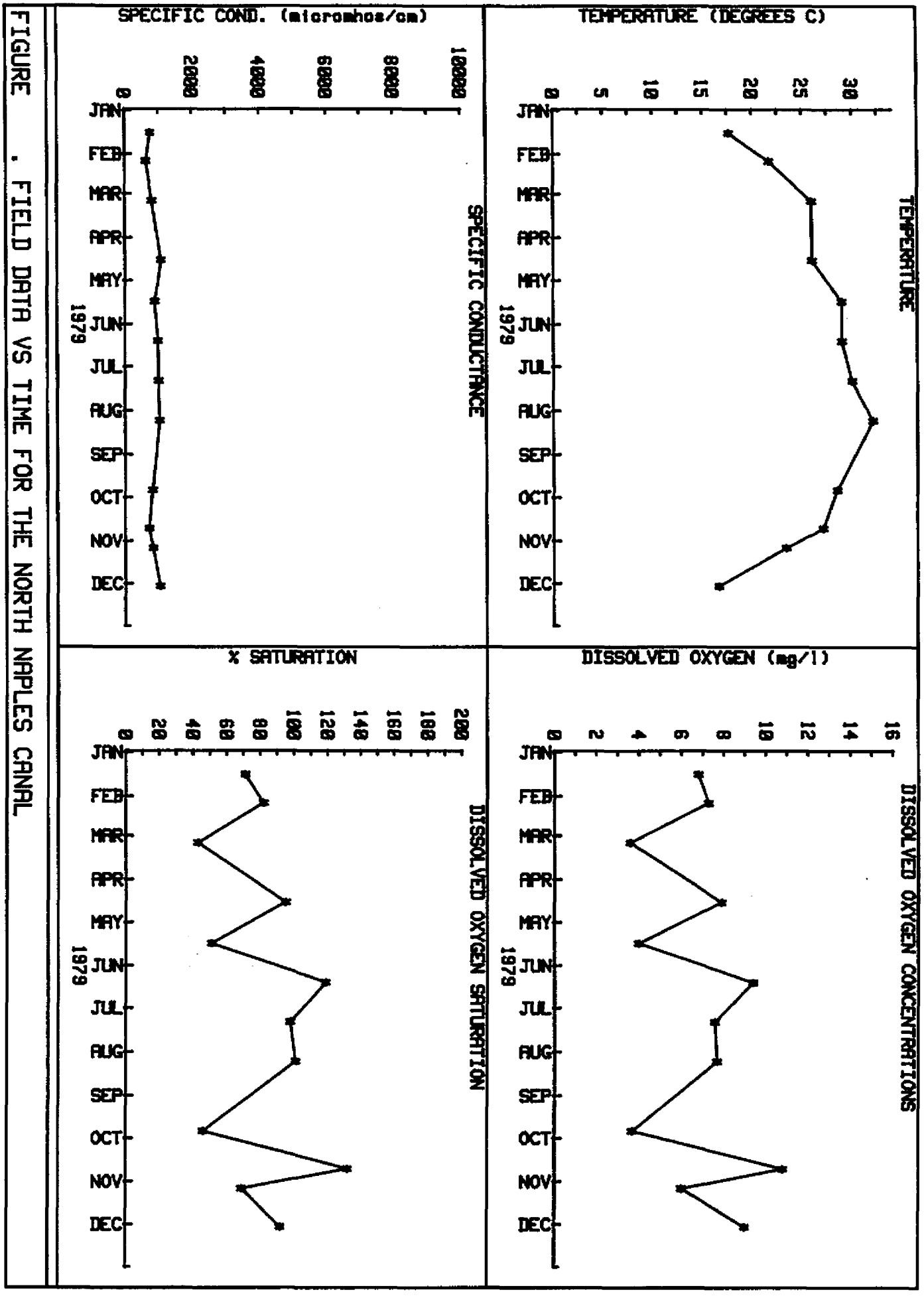


FIGURE . FIELD DATA VS TIME FOR THE NORTH NAPLES CANAL

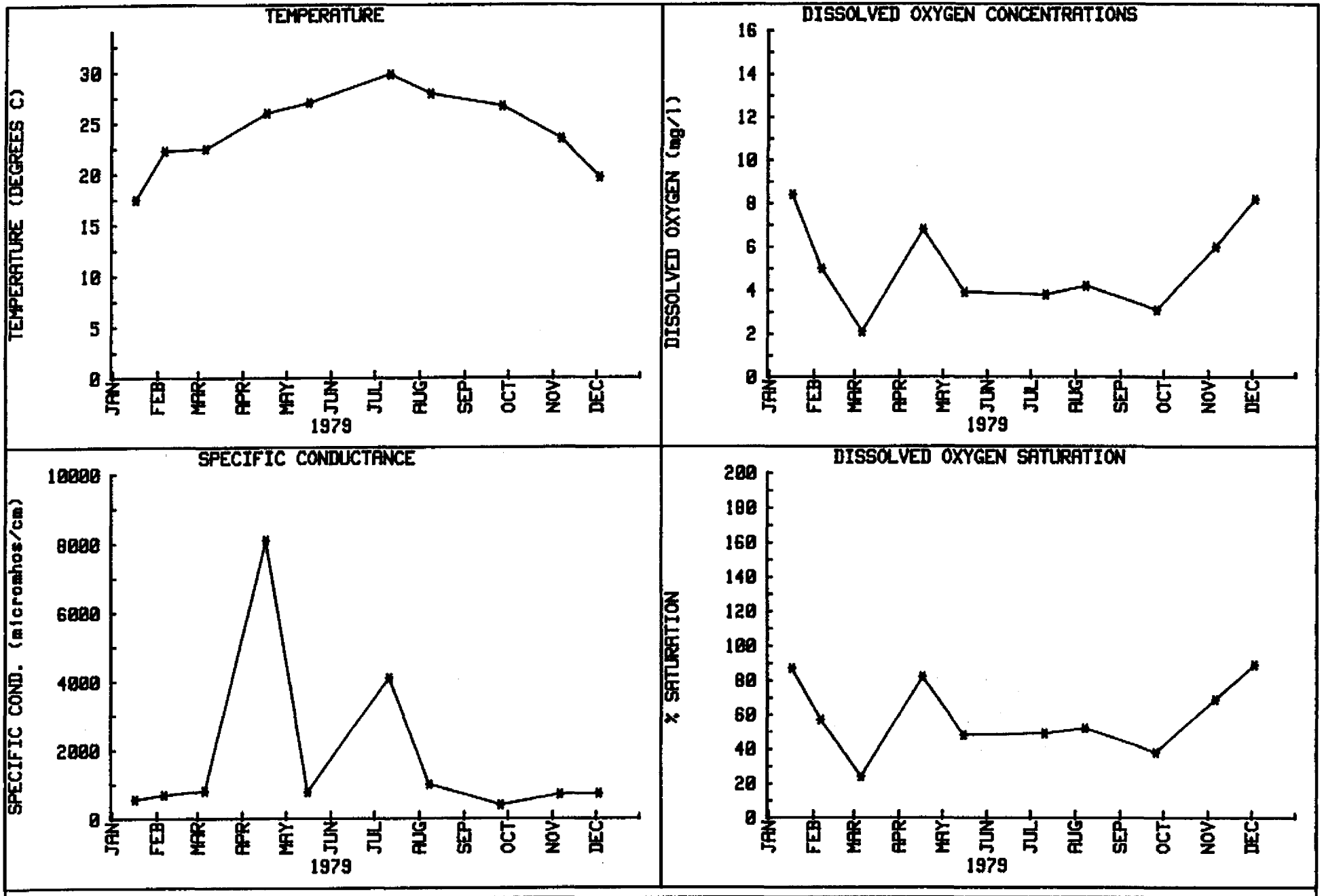


FIGURE . FIELD DATA VS TIME FOR THE EAST BRANCH OF THE COCOHATCHEE RIVER

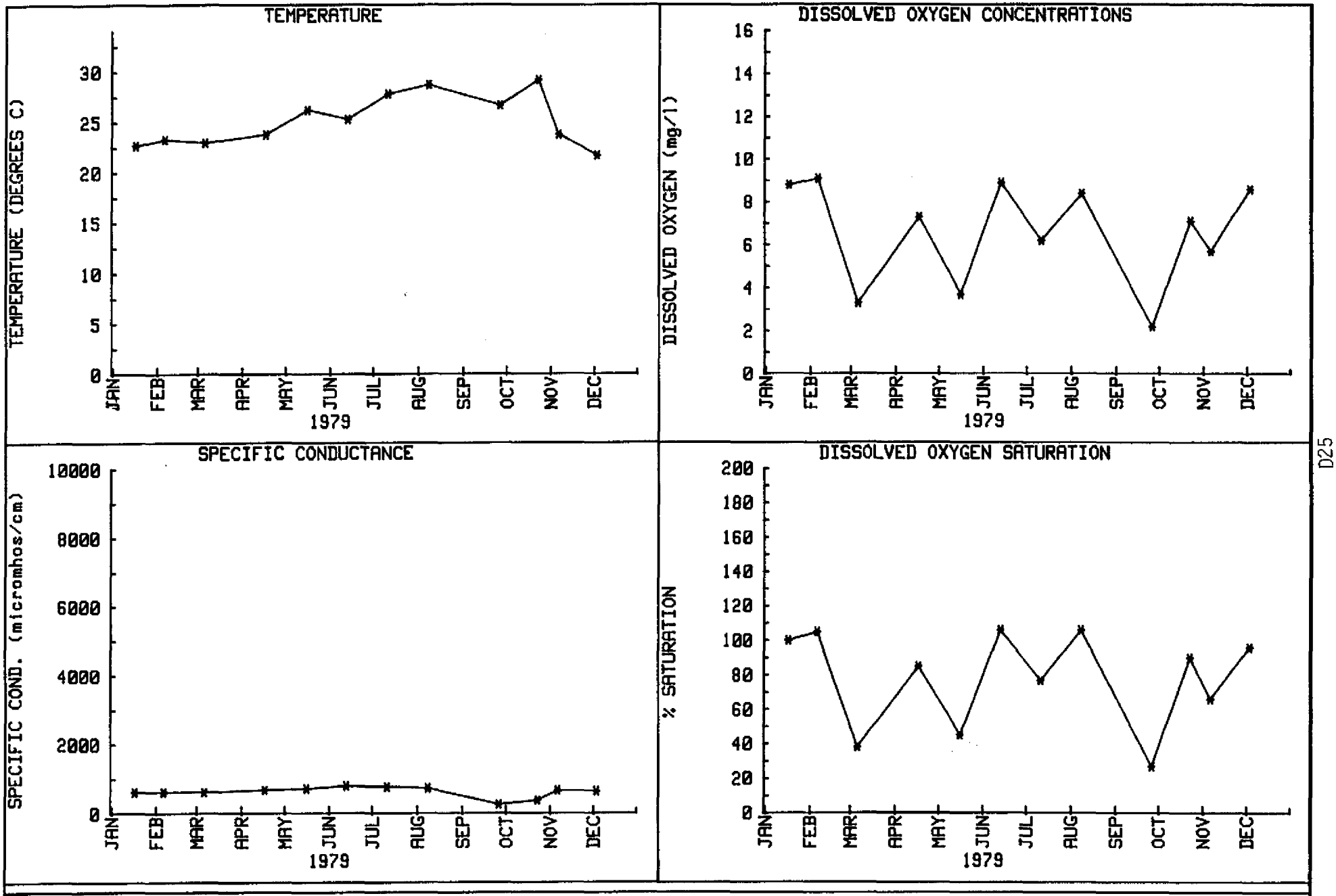


FIGURE . FIELD DATA VS TIME FOR THE COCOHATCHEE CANAL 0.5 MILES EAST OF S.R. 31

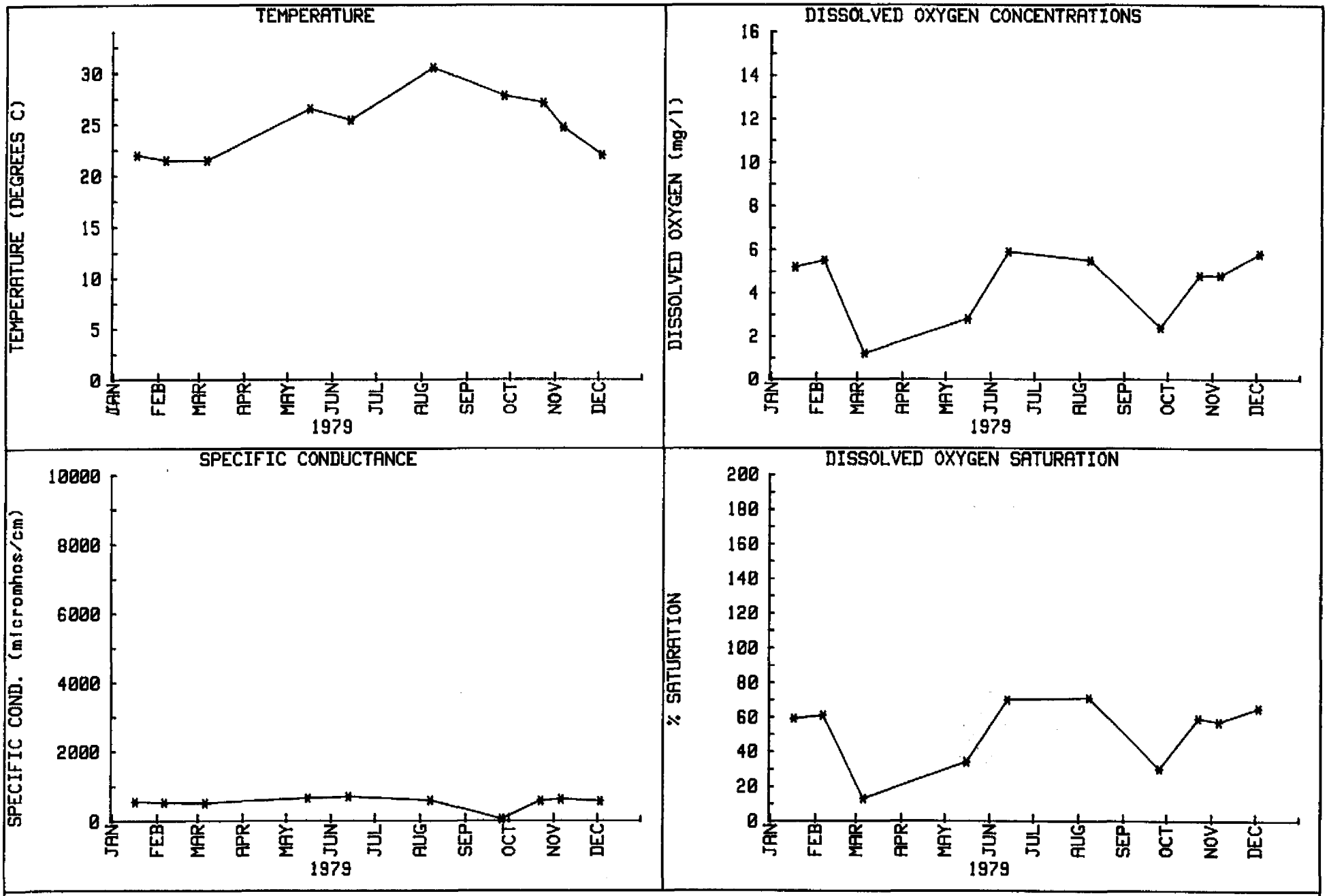


FIGURE . FIELD DATA VS TIME FOR THE COCOHATCHEE CANAL AT S.R. 951

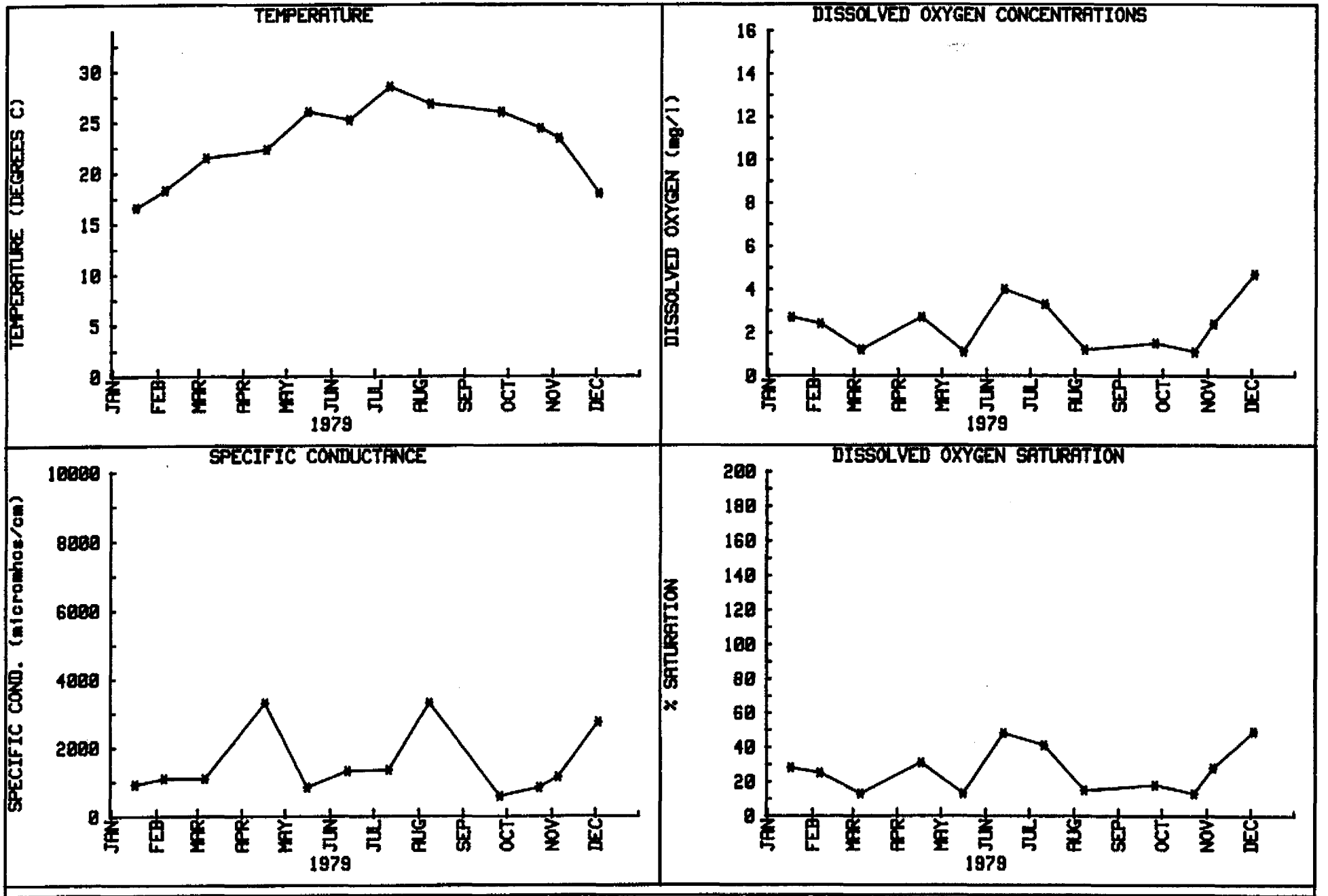


FIGURE . FIELD DATA VS TIME FOR THE GORDON RIVER AT S.R. 886

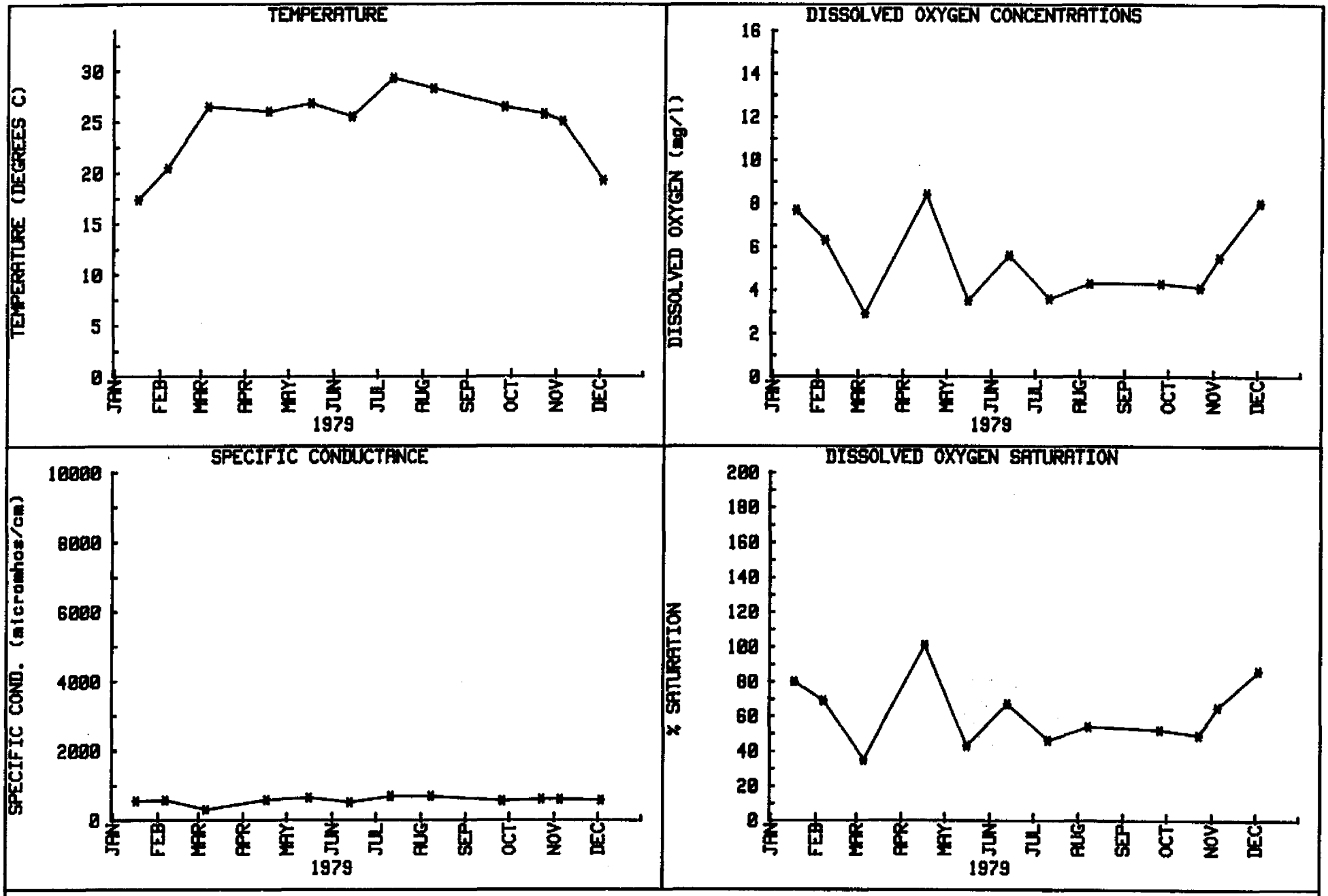


FIGURE . FIELD DATA VS TIME FOR THE GORDON RIVER AT S.R. 31

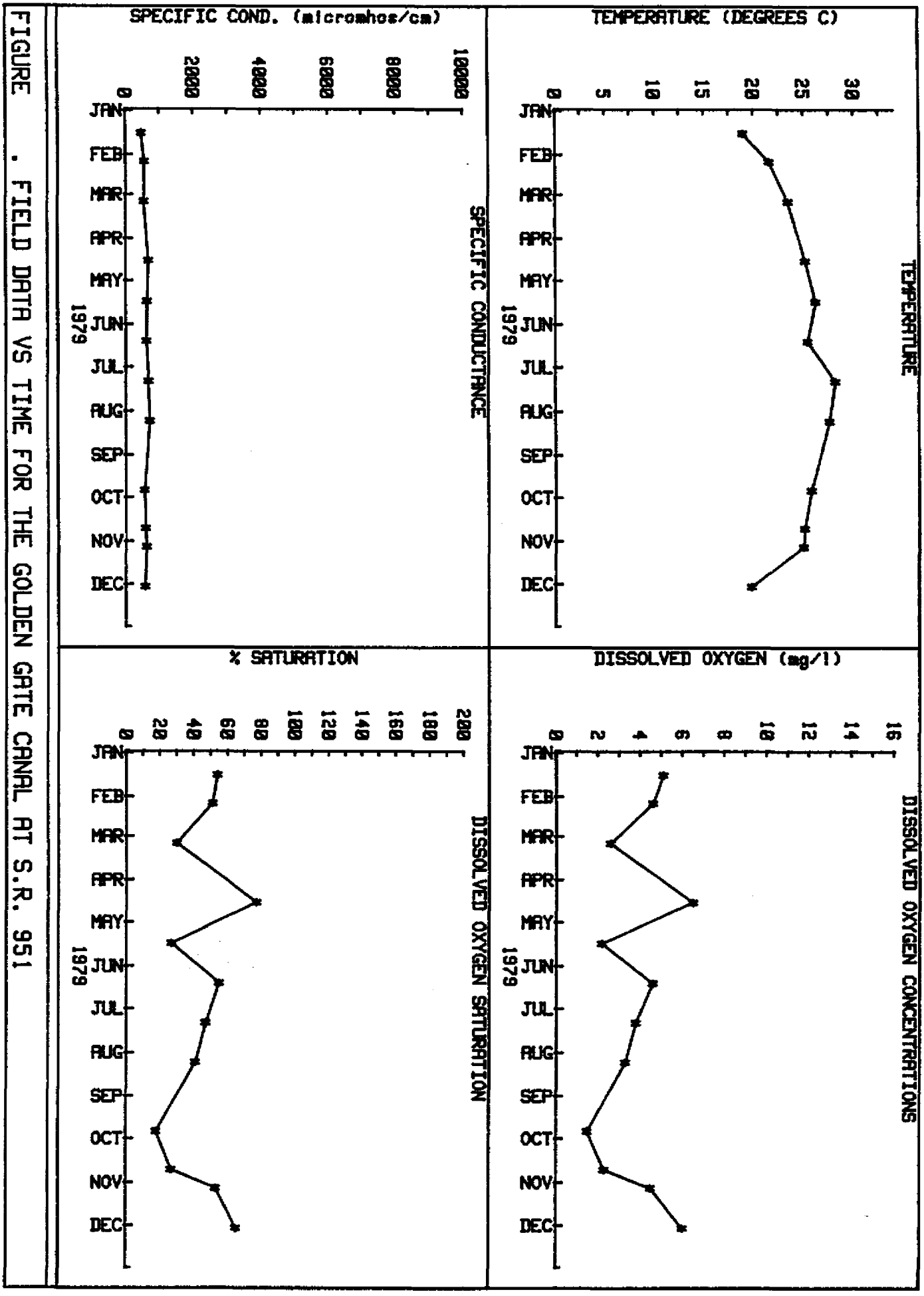


FIGURE . FIELD DATA VS TIME FOR THE GOLDEN GATE CANAL AT S.R. 951

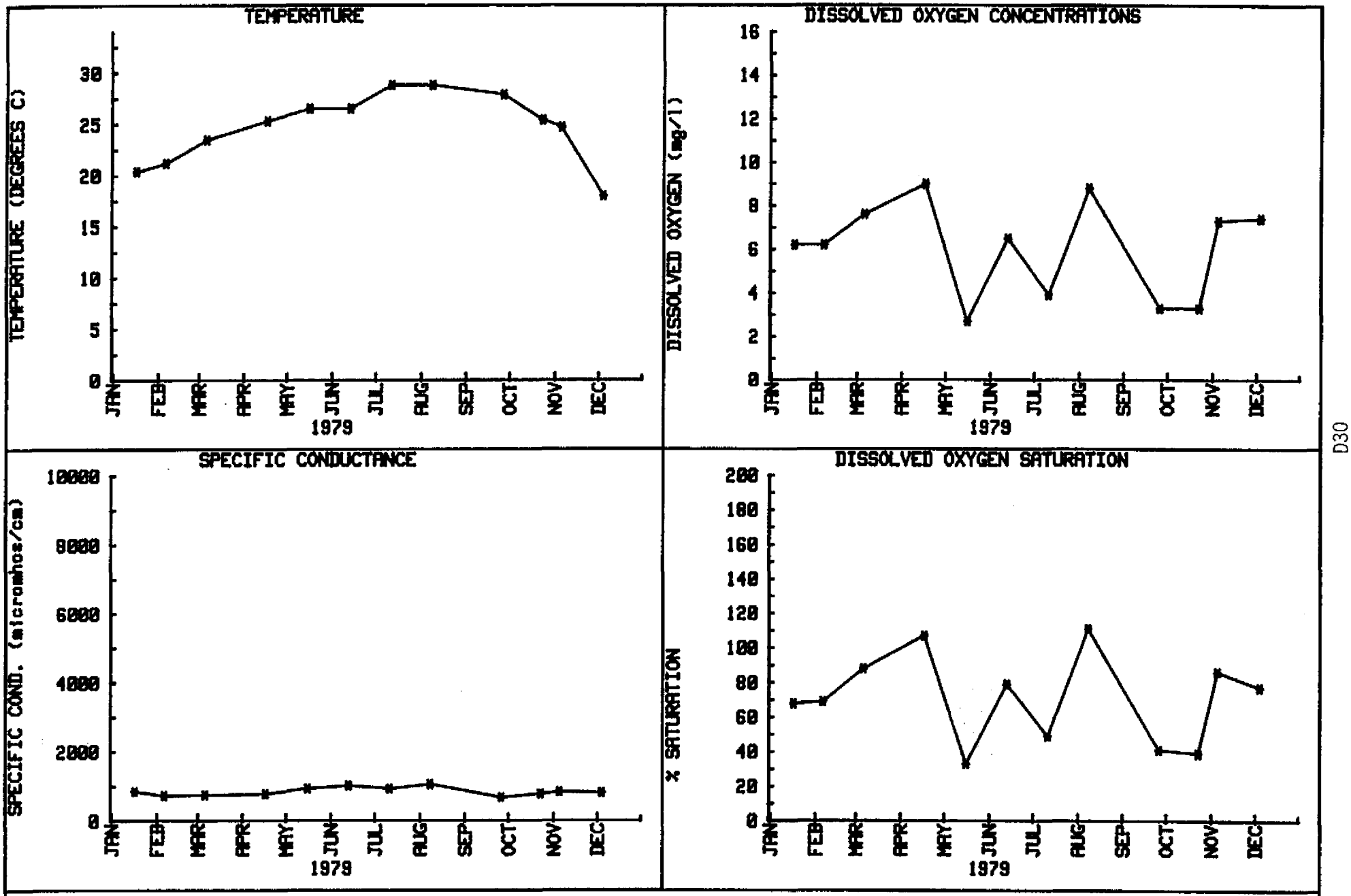


FIGURE . FIELD DATA VS TIME FOR THE LELY CANAL

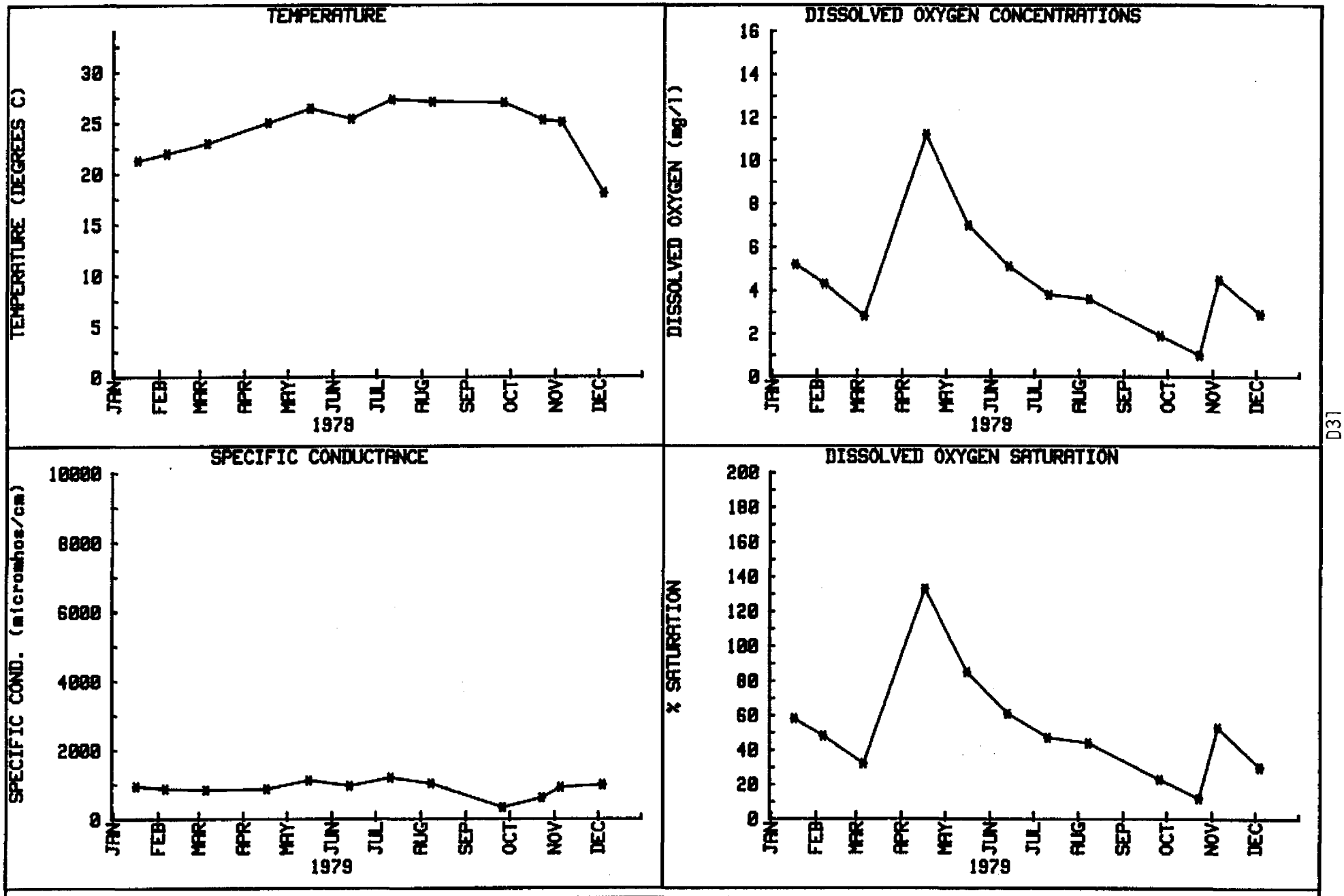


FIGURE . FIELD DATA VS TIME FOR HENDERSON CREEK

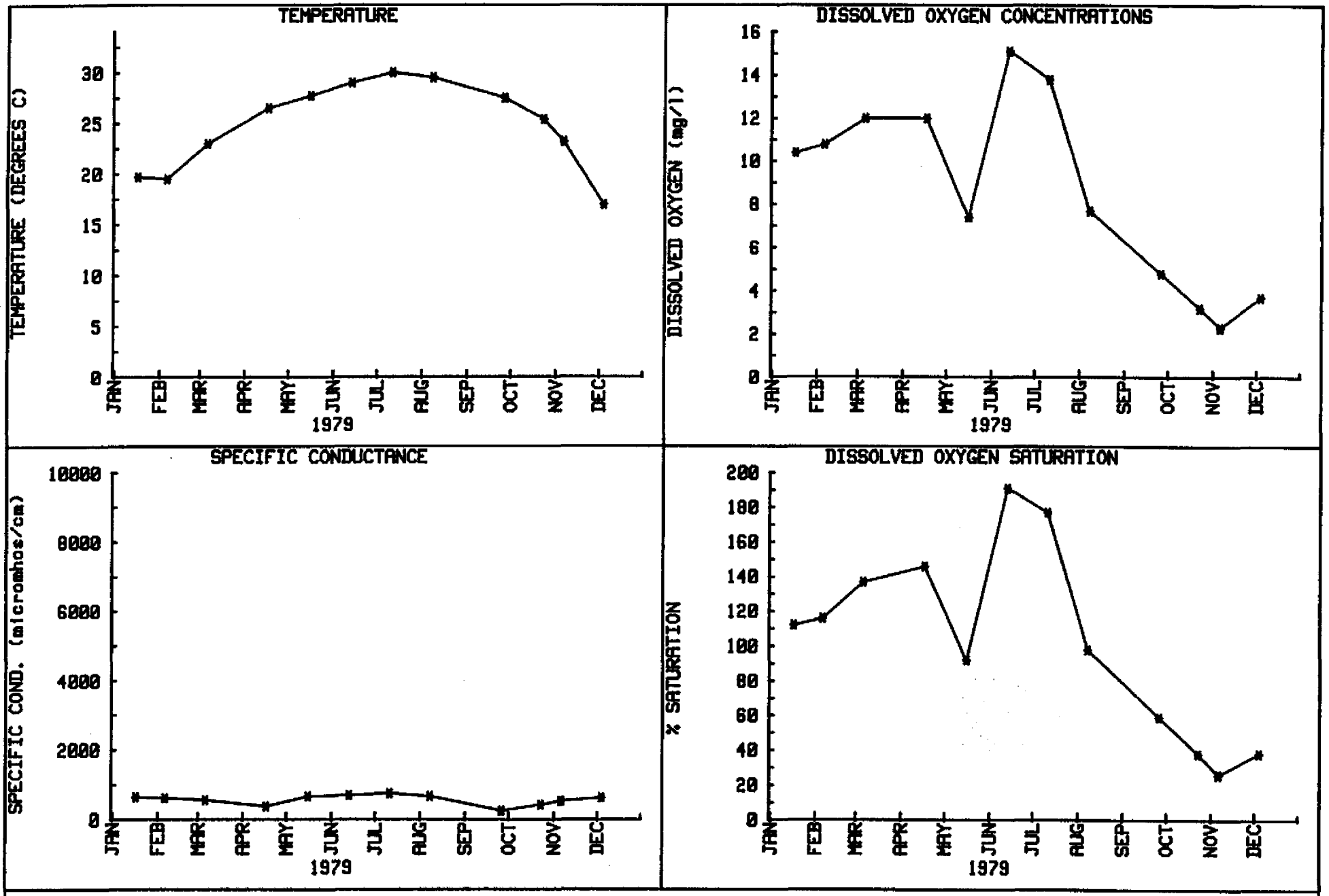


FIGURE . FIELD DATA VS TIME FOR THE FAKA UNION CANAL

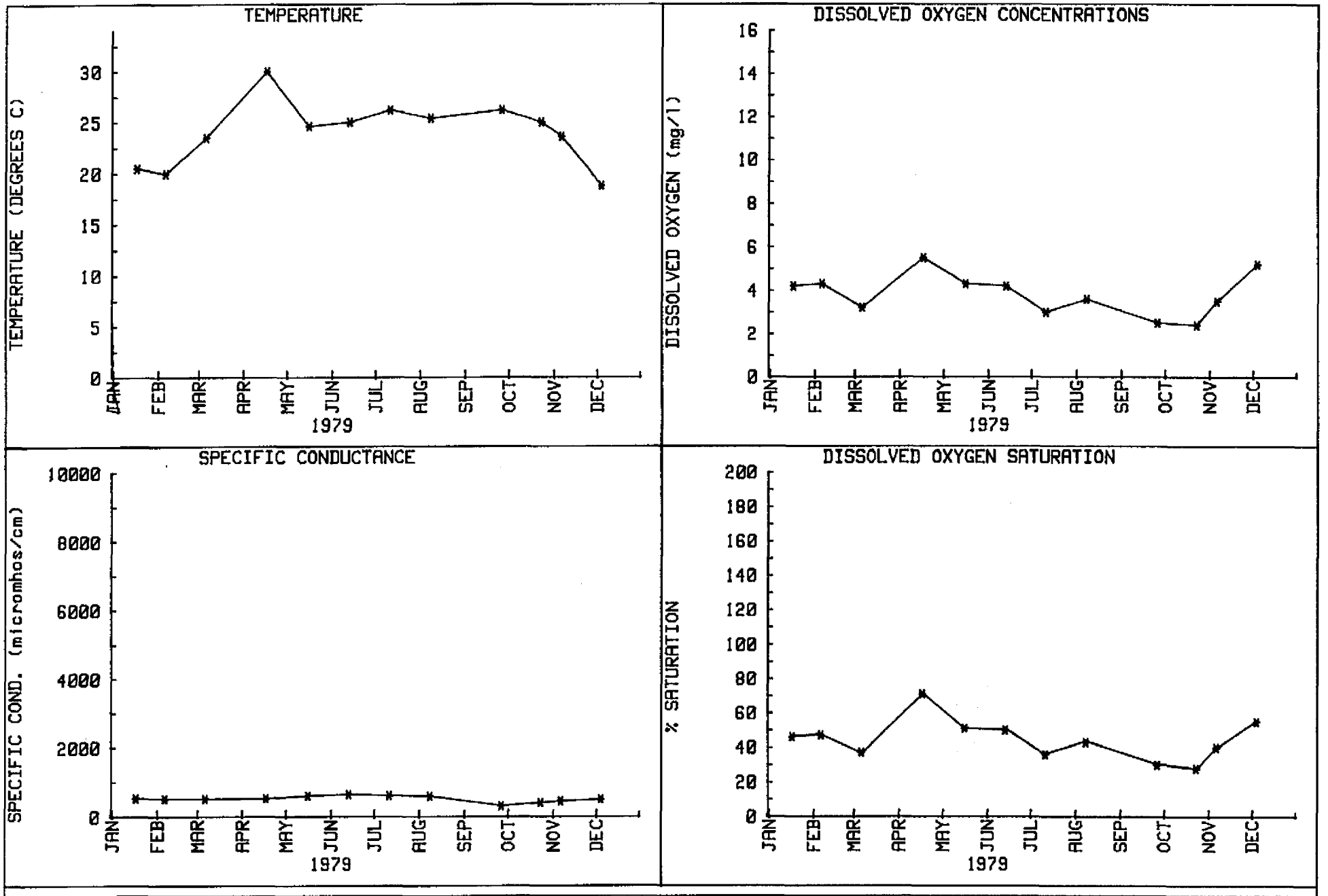


FIGURE . FIELD DATA VS TIME FOR THE BARRON RIVER

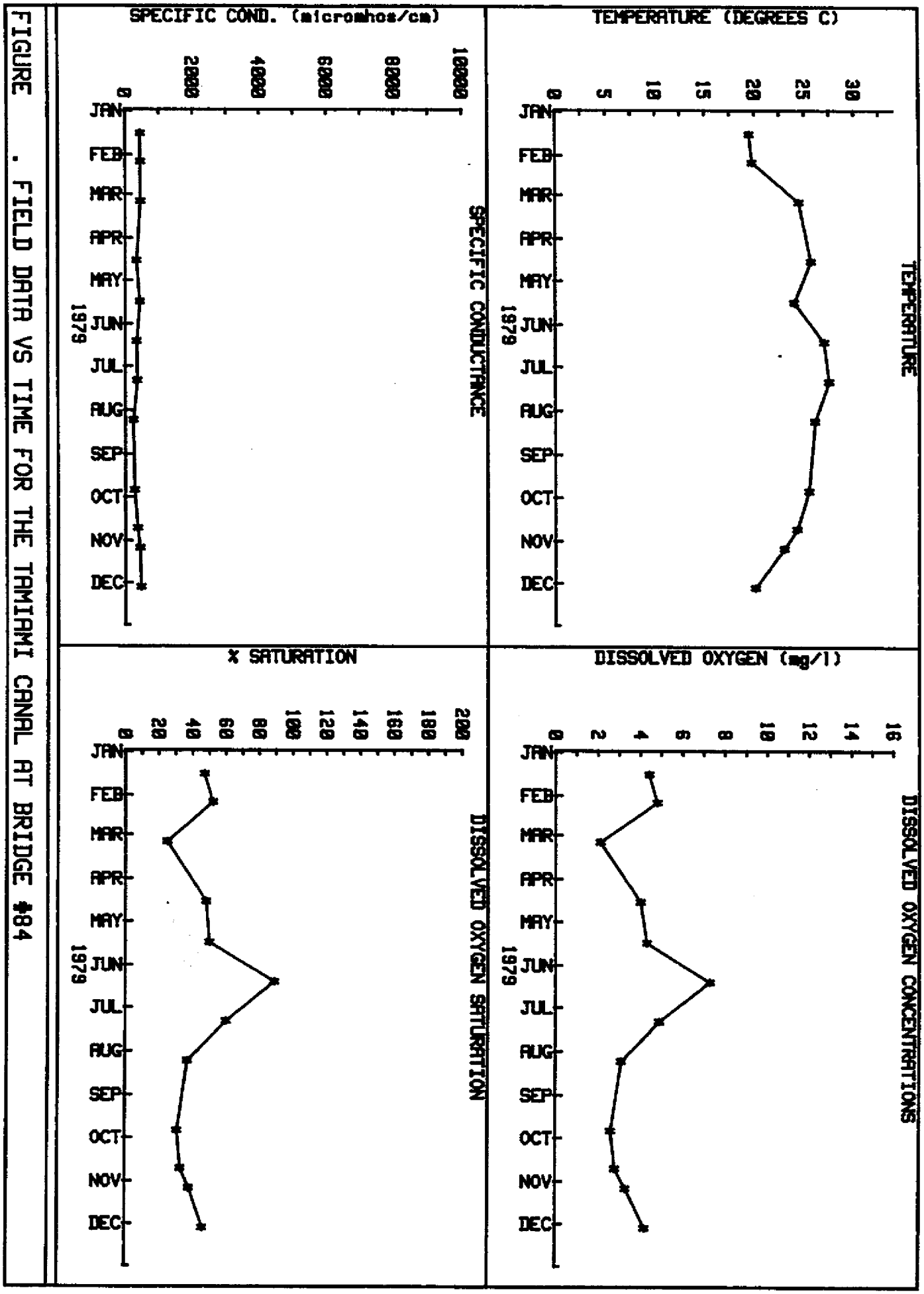


FIGURE . FIELD DATA VS TIME FOR THE TAMIAMI CANAL AT BRIDGE #84

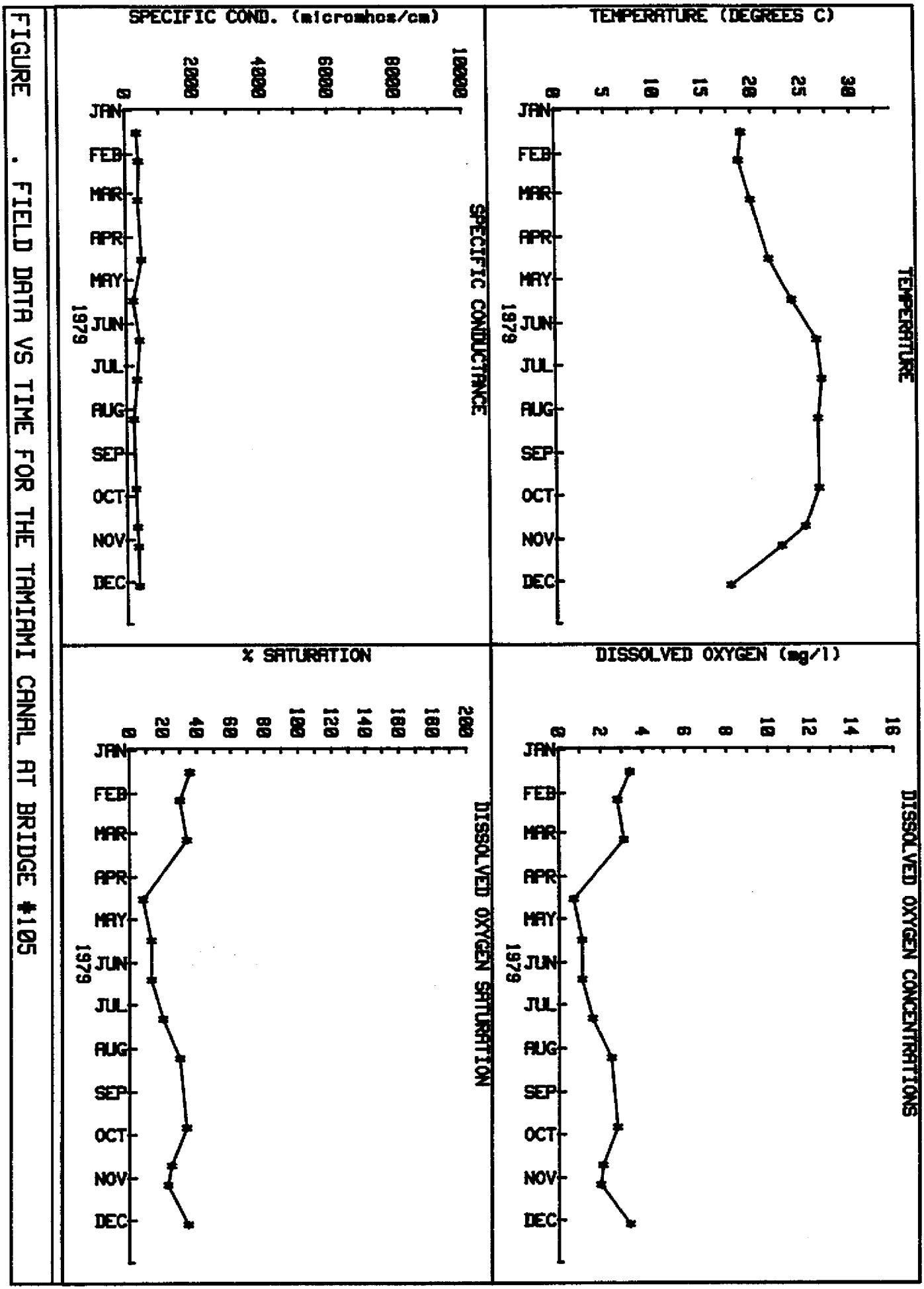


FIGURE . FIELD DATA VS TIME FOR THE TAMIAMI CANAL AT BRIDGE #105

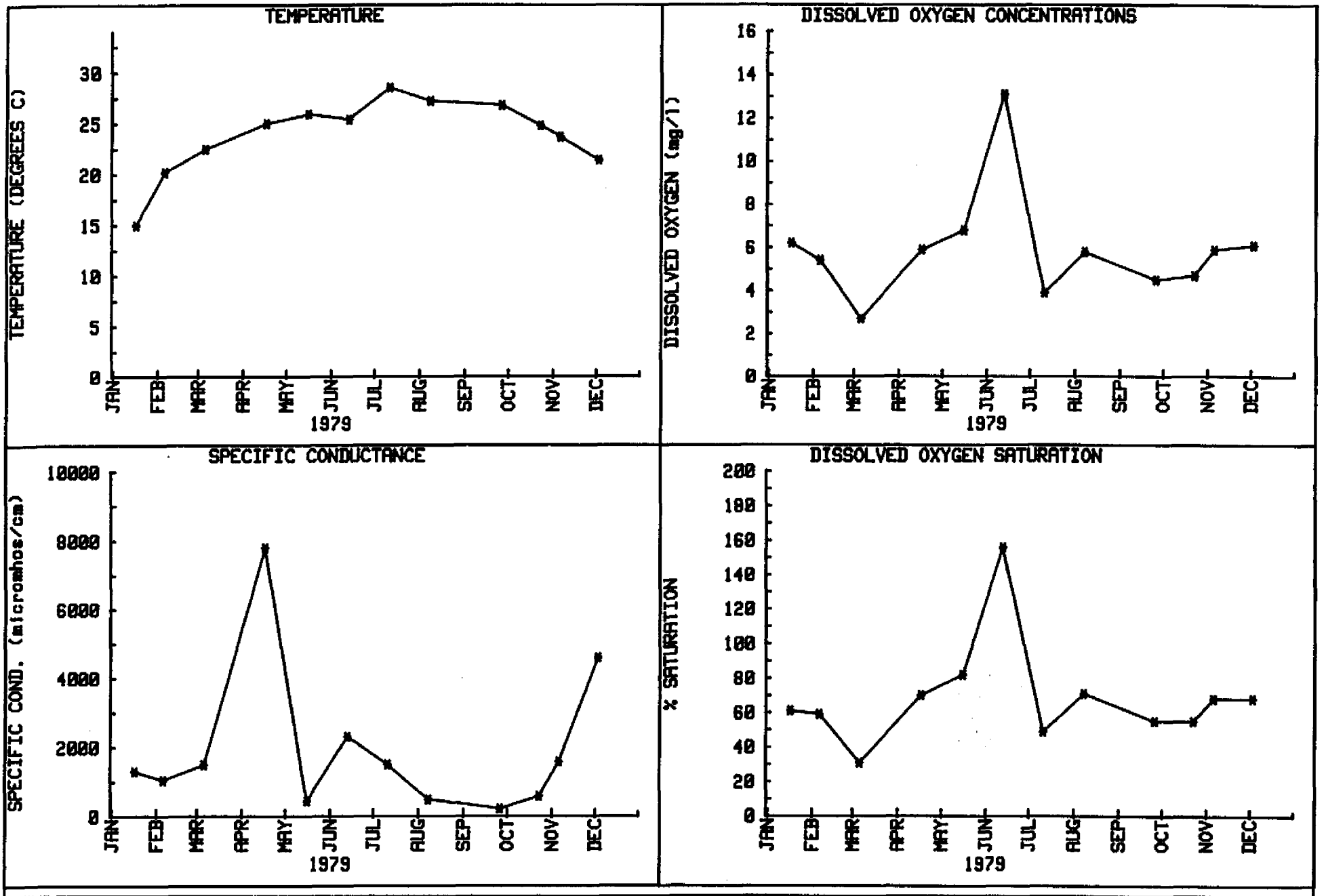


FIGURE . FIELD DATA VS TIME FOR THE ESTERO RIVER

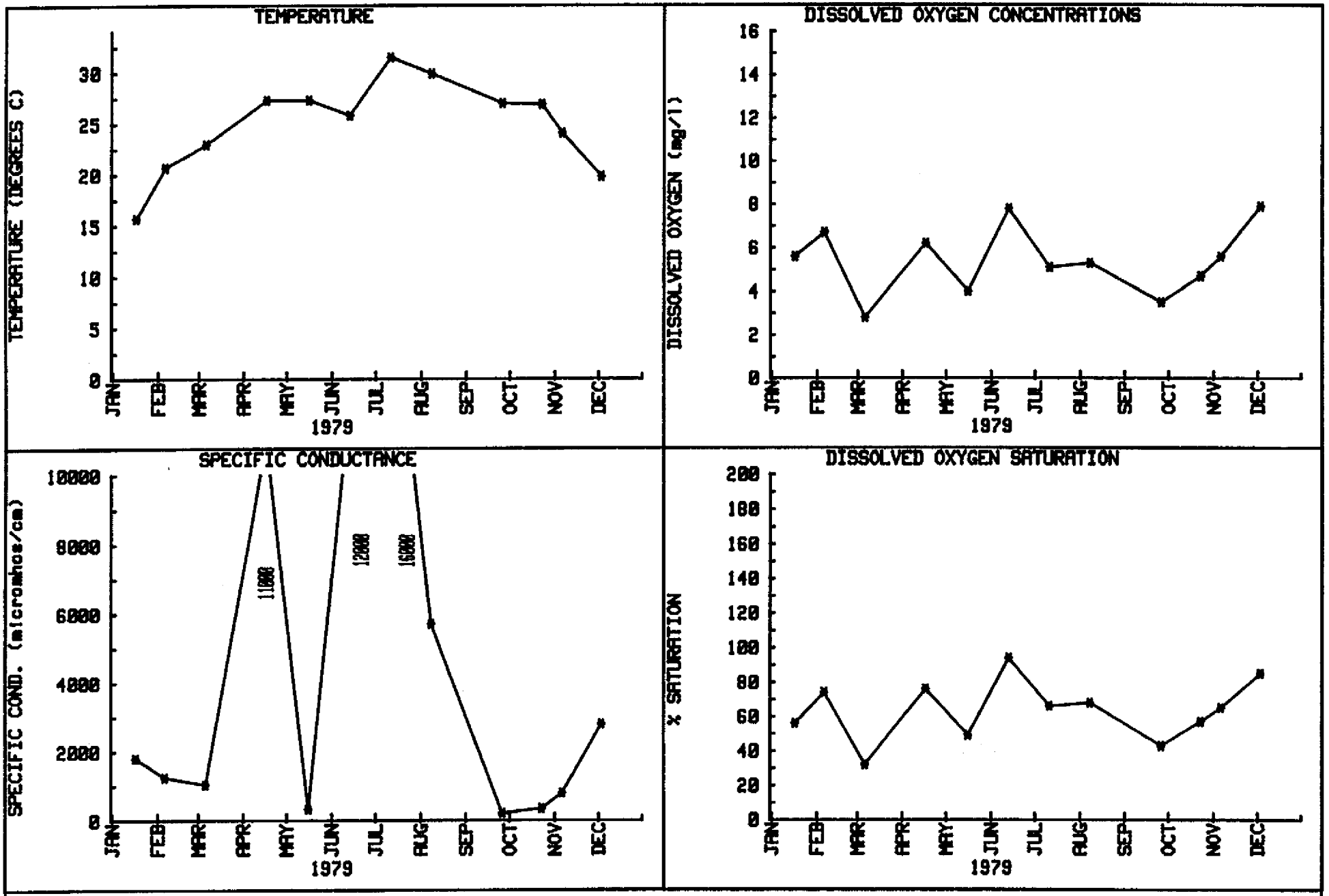


FIGURE . FIELD DATA VS TIME FOR THE IMPERIAL RIVER

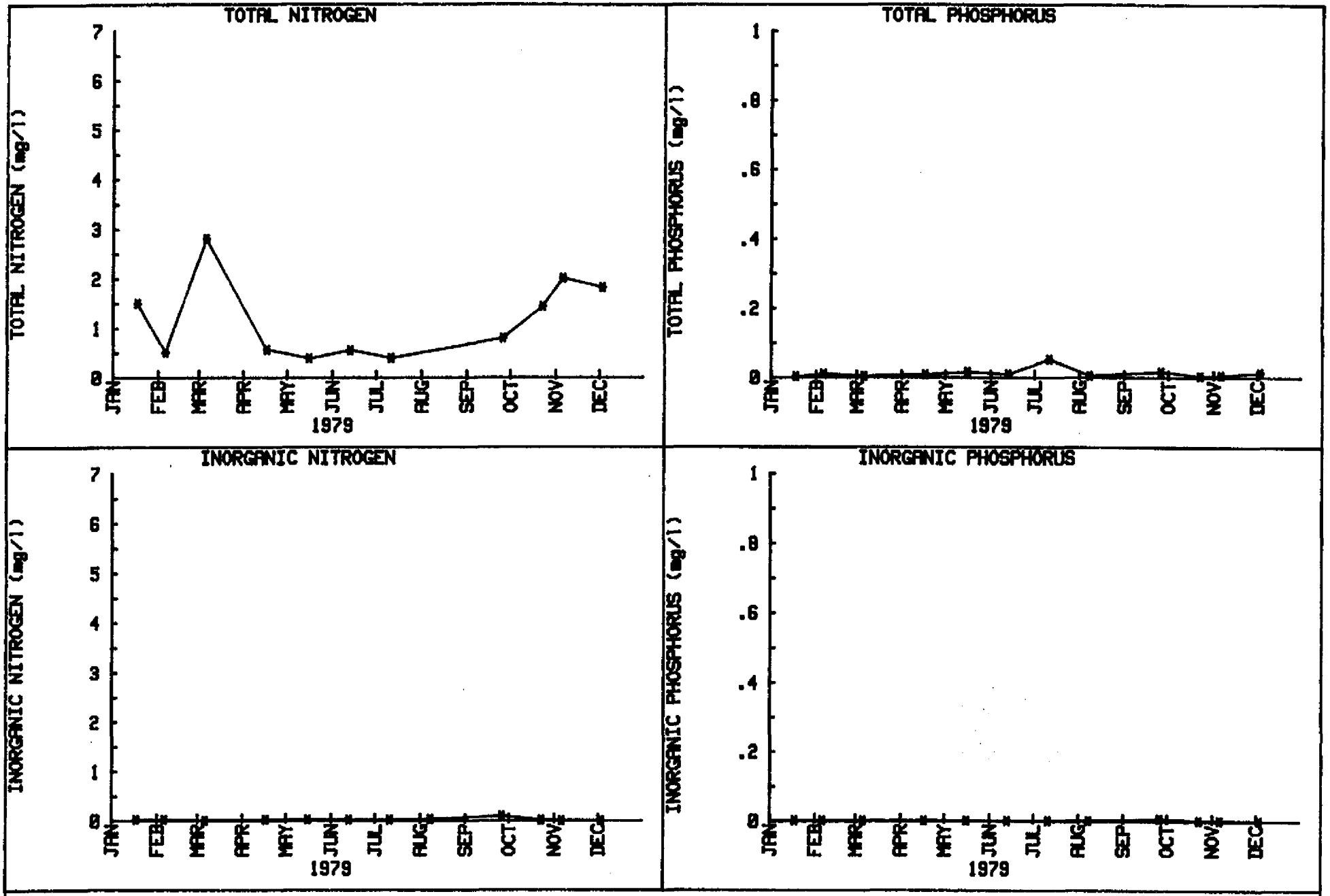


FIGURE . WATER QURLITY DATA VS TIME FOR THE GATORSLOUGH CANRL

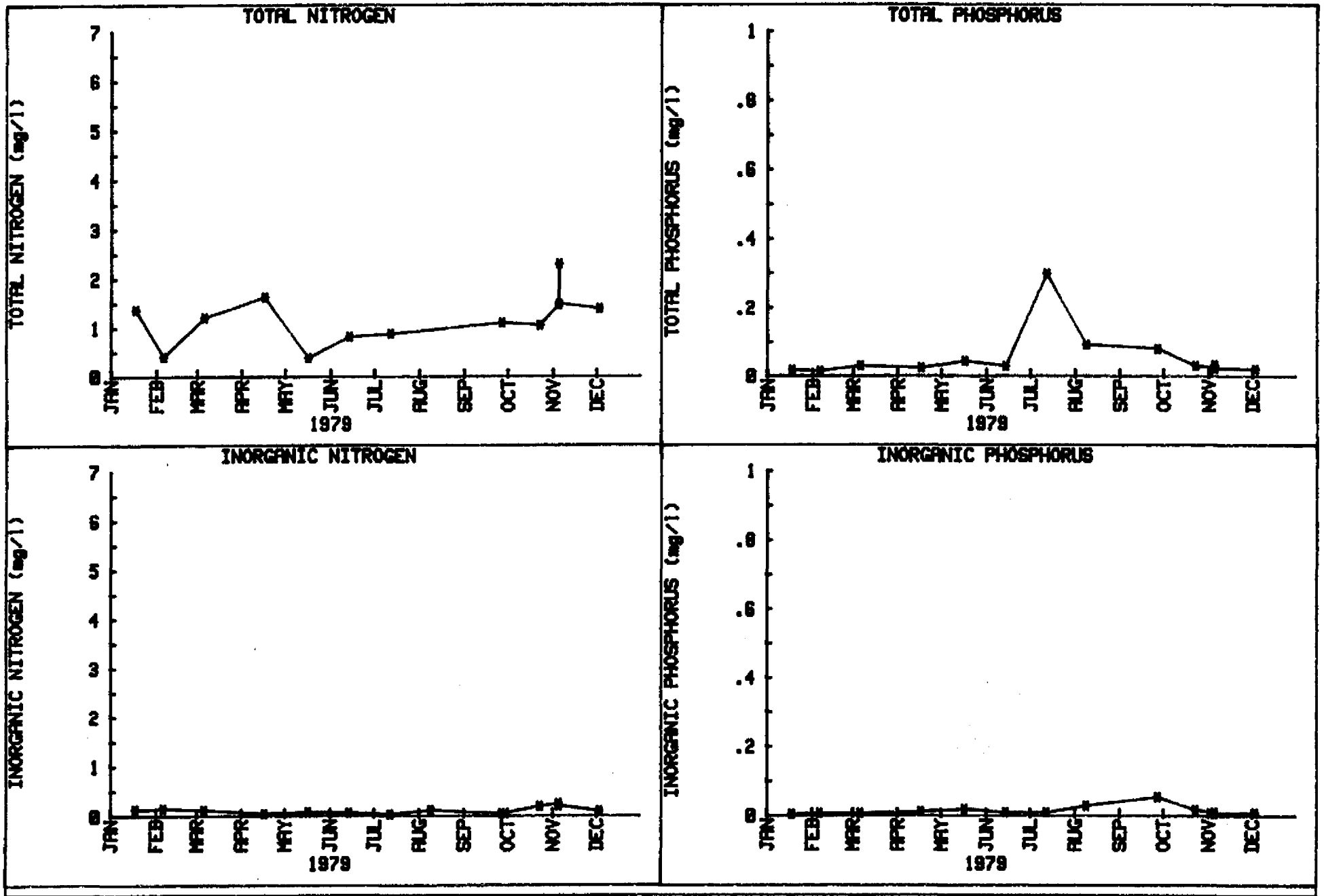


FIGURE . WATER QUALITY DATA VS TIME FOR THE ORANGE RIVER

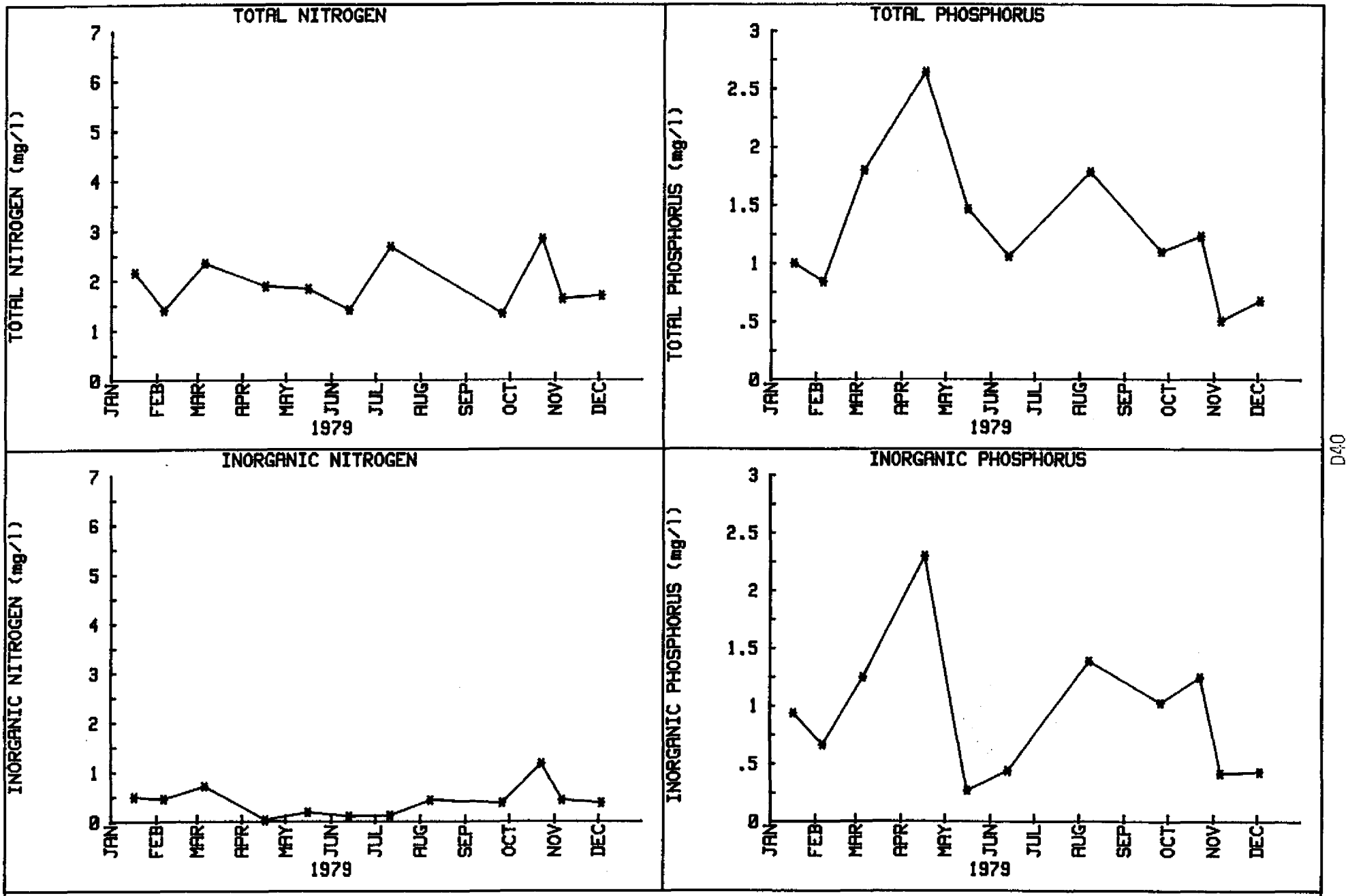


FIGURE . WATER QUALITY DATA VS TIME FOR THE WEST BRANCH OF THE COCOHATCHEE RIVER

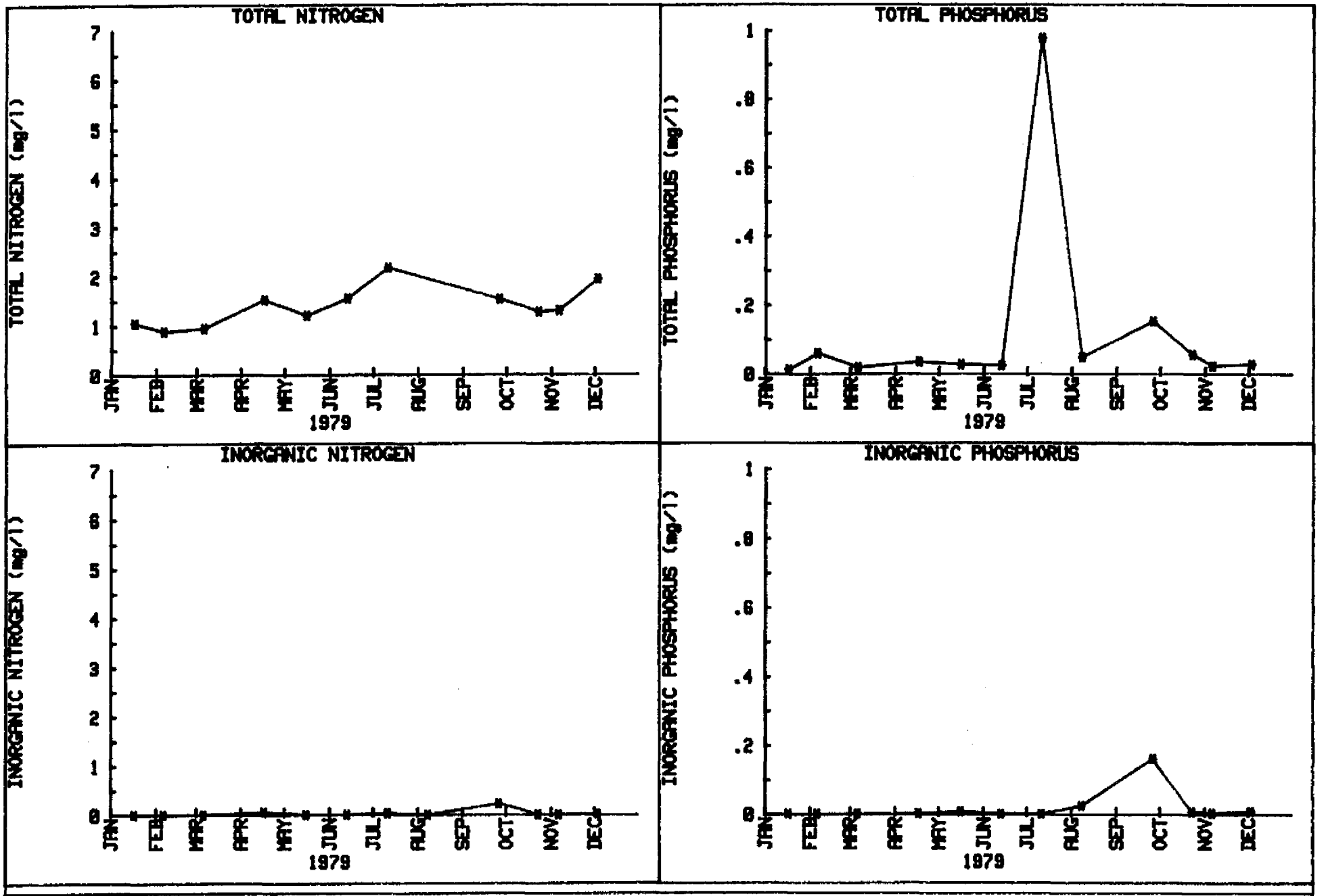


FIGURE . WATER QUALITY DATA VS TIME FOR THE NORTH NAPLES CANAL

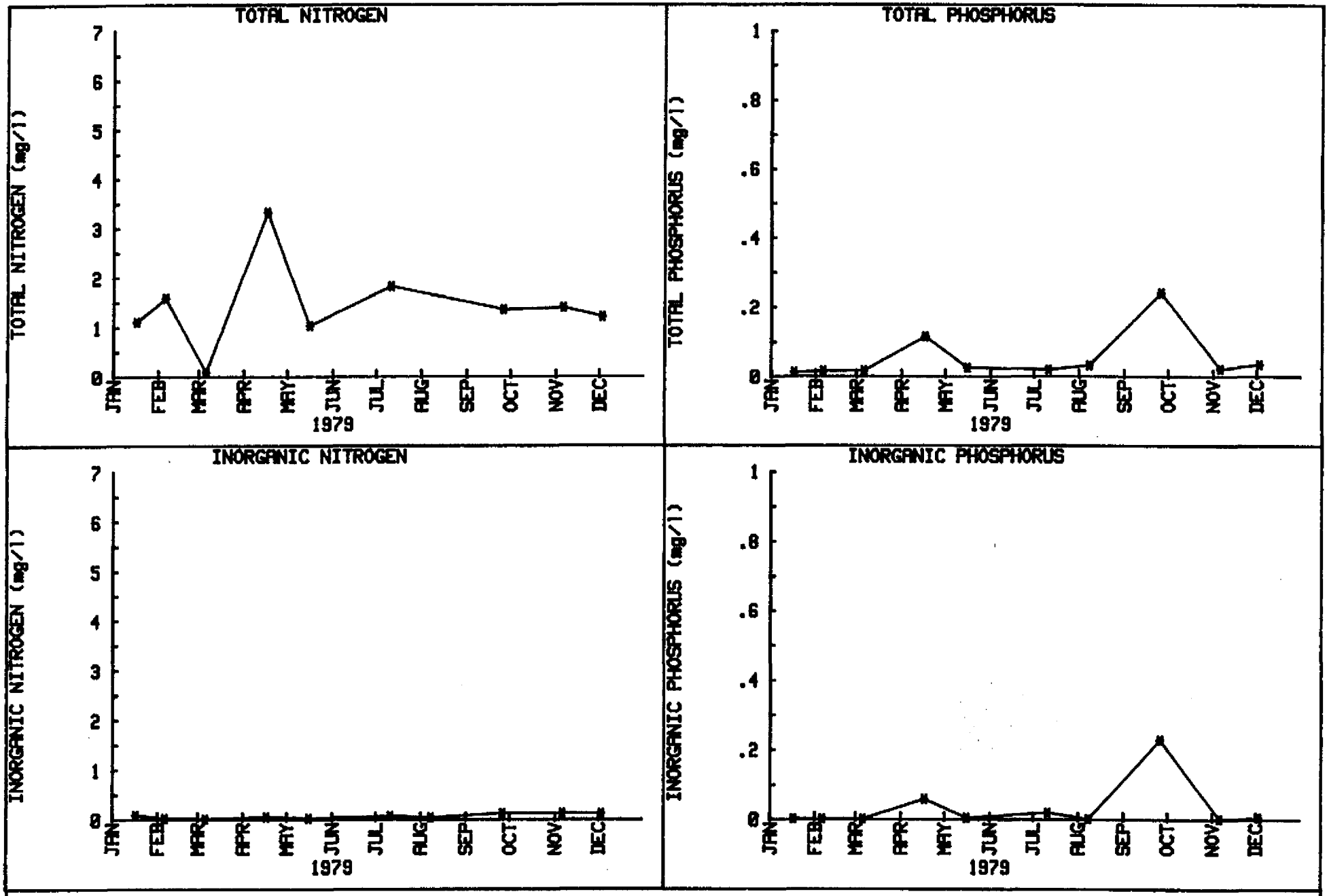


FIGURE . WRTER QUALITY DATA VS TIME FOR THE EAST BRANCH OF THE COCOHATCHEE RIVER

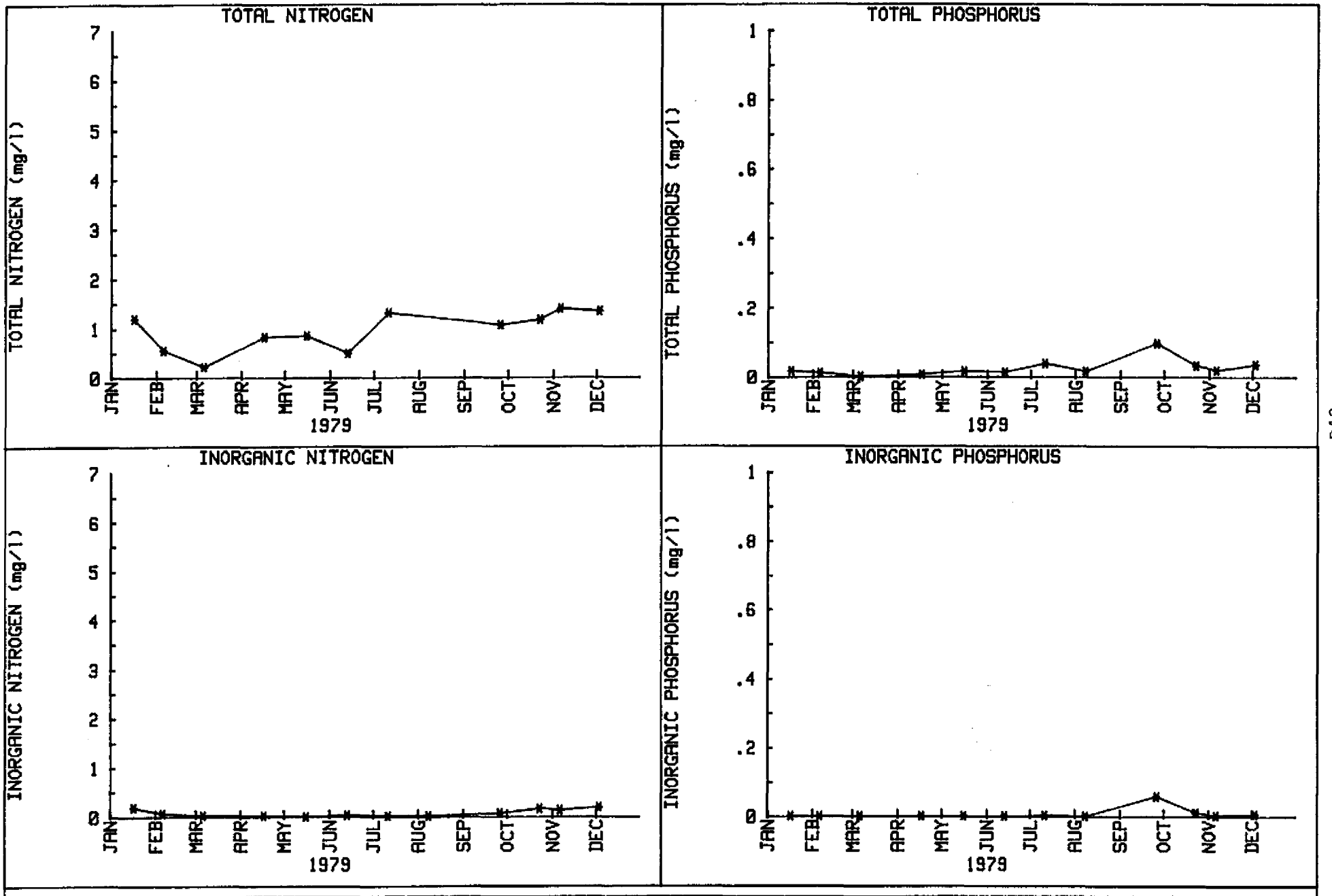


FIGURE . WATER QUALITY DATA VS TIME FOR THE COCAHATCHEE CANAL EAST OF SR 31

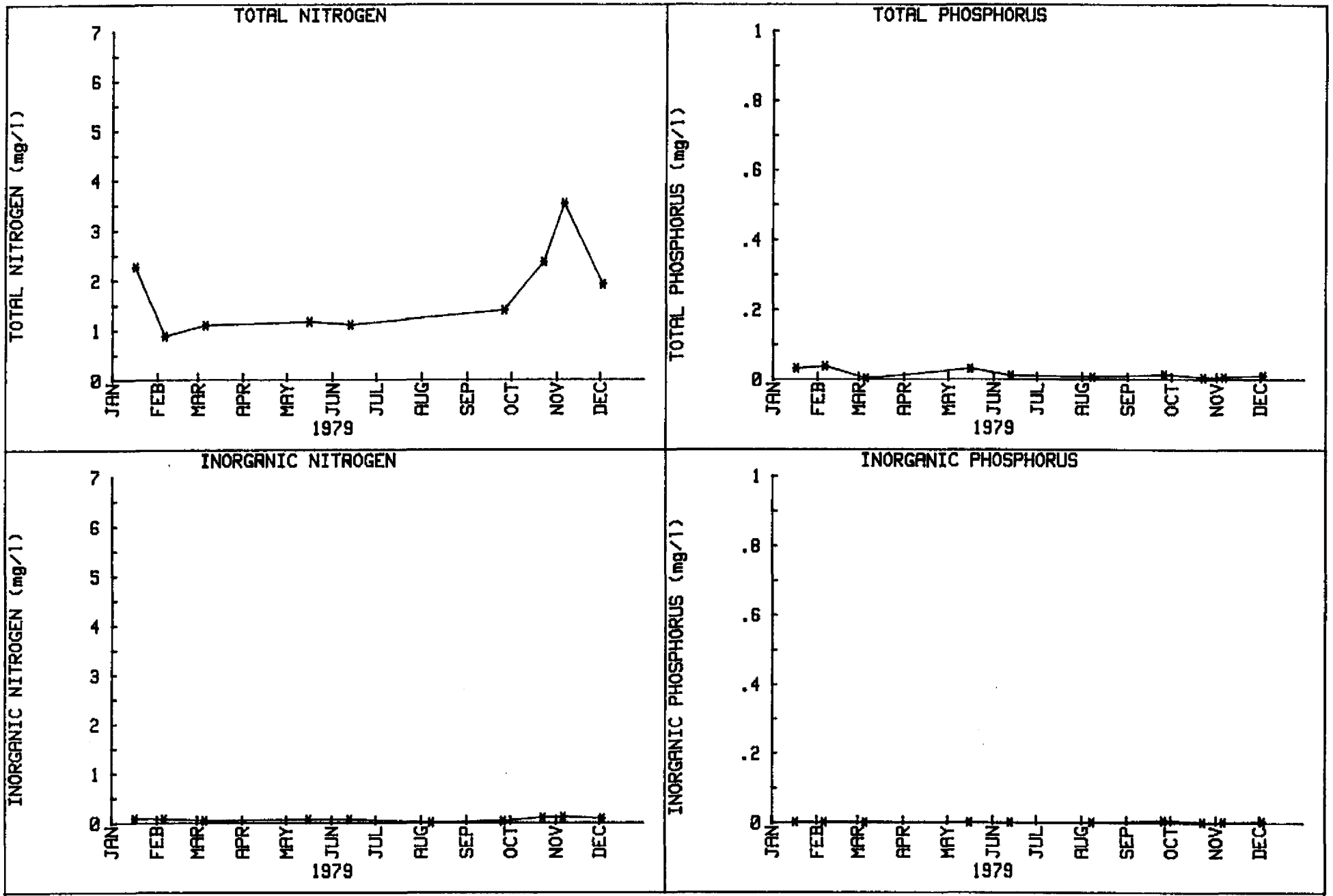


FIGURE . WATER QUALITY DATA VS TIME FOR THE COCOHATCHEE CANAL AT SR 951

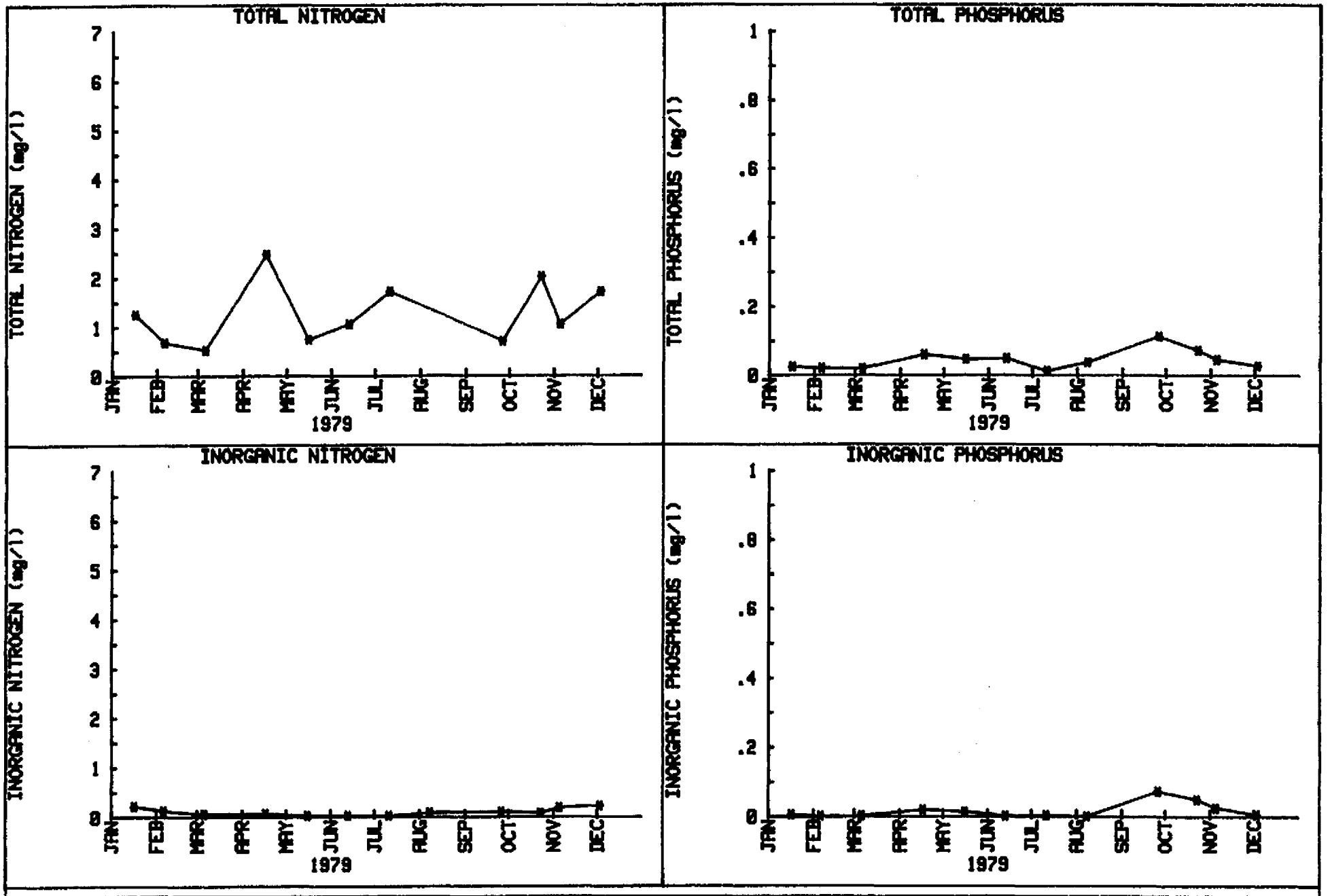


FIGURE . WATER QUALITY DATA VS TIME FOR THE GORDON RIVER AT SR 886

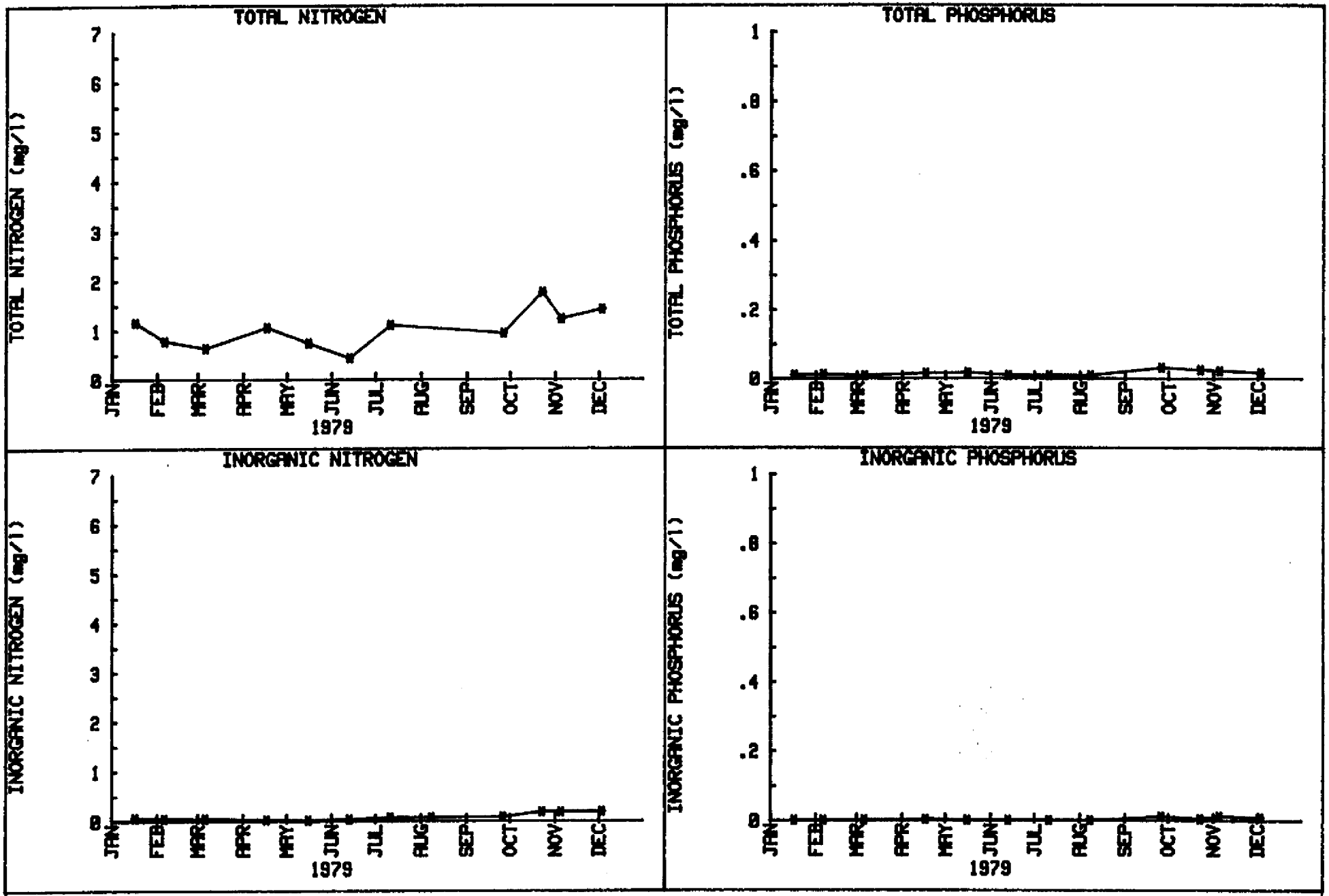


FIGURE . WATER QUALITY DATA VS TIME FOR THE GORDON RIVER AT SR 31

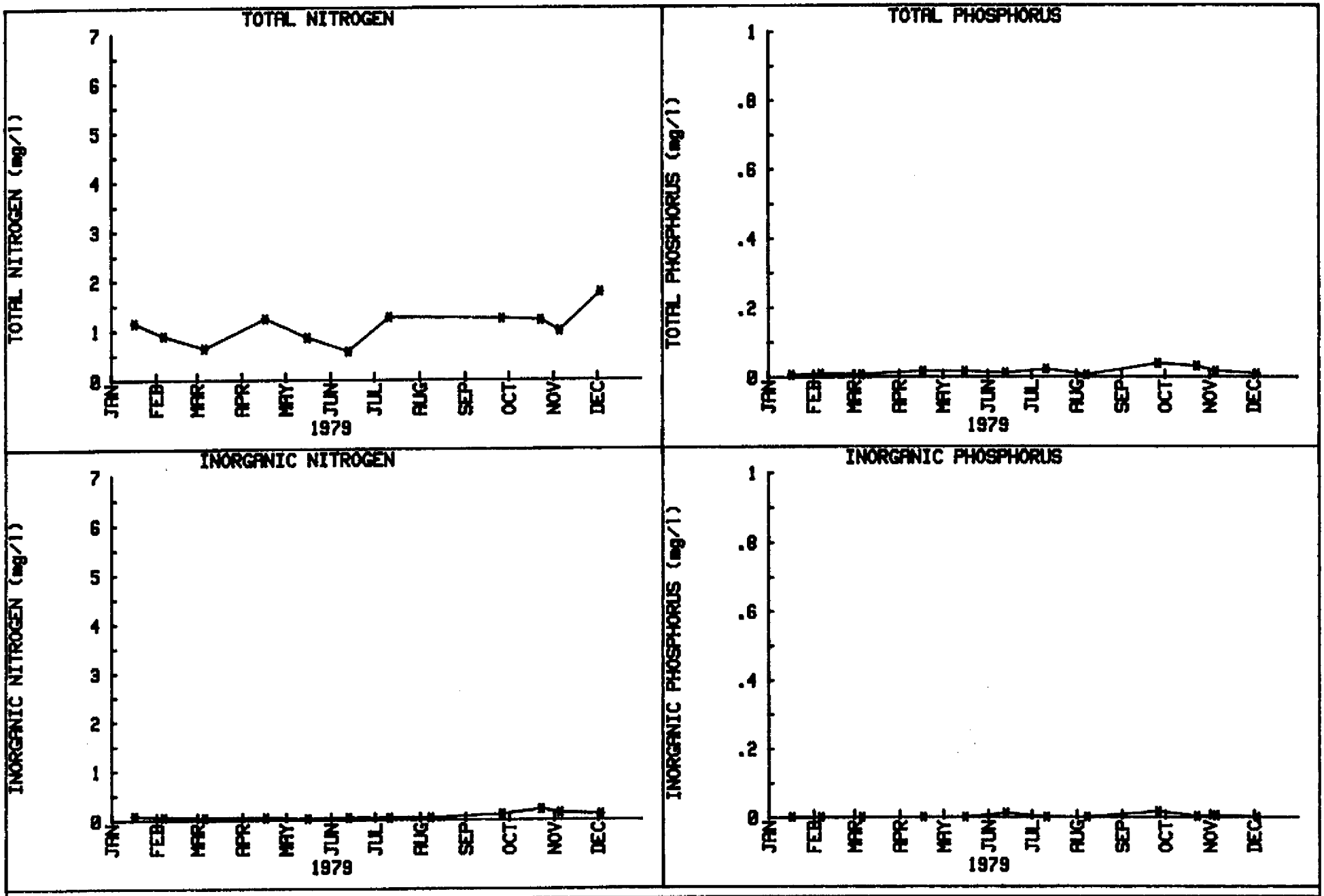


FIGURE . WATER QUALITY DATA VS TIME FOR THE GOLDEN GATE CANAL AT SR 951

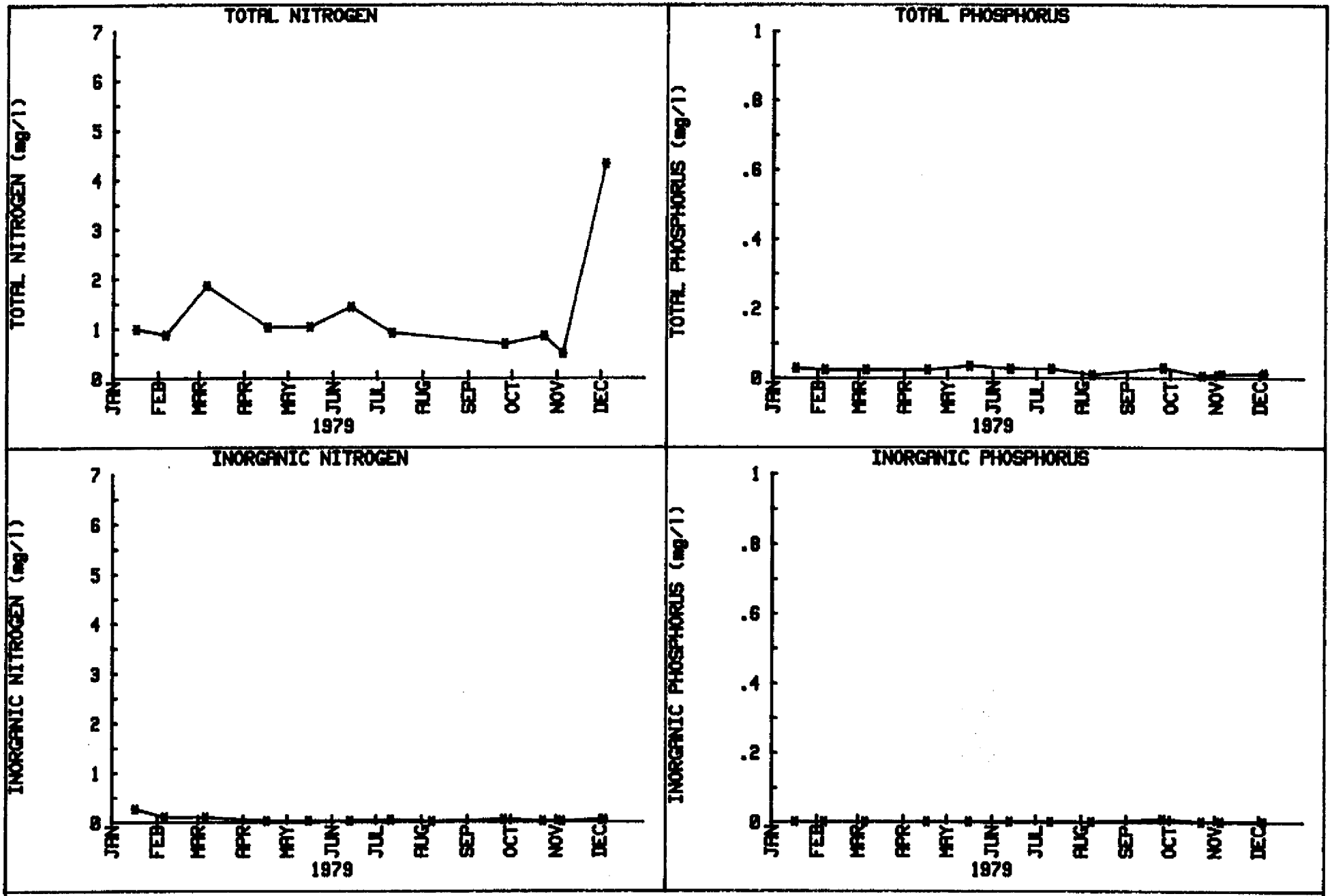


FIGURE . WATER QUALITY DATA VS TIME FOR THE LELY CANAL

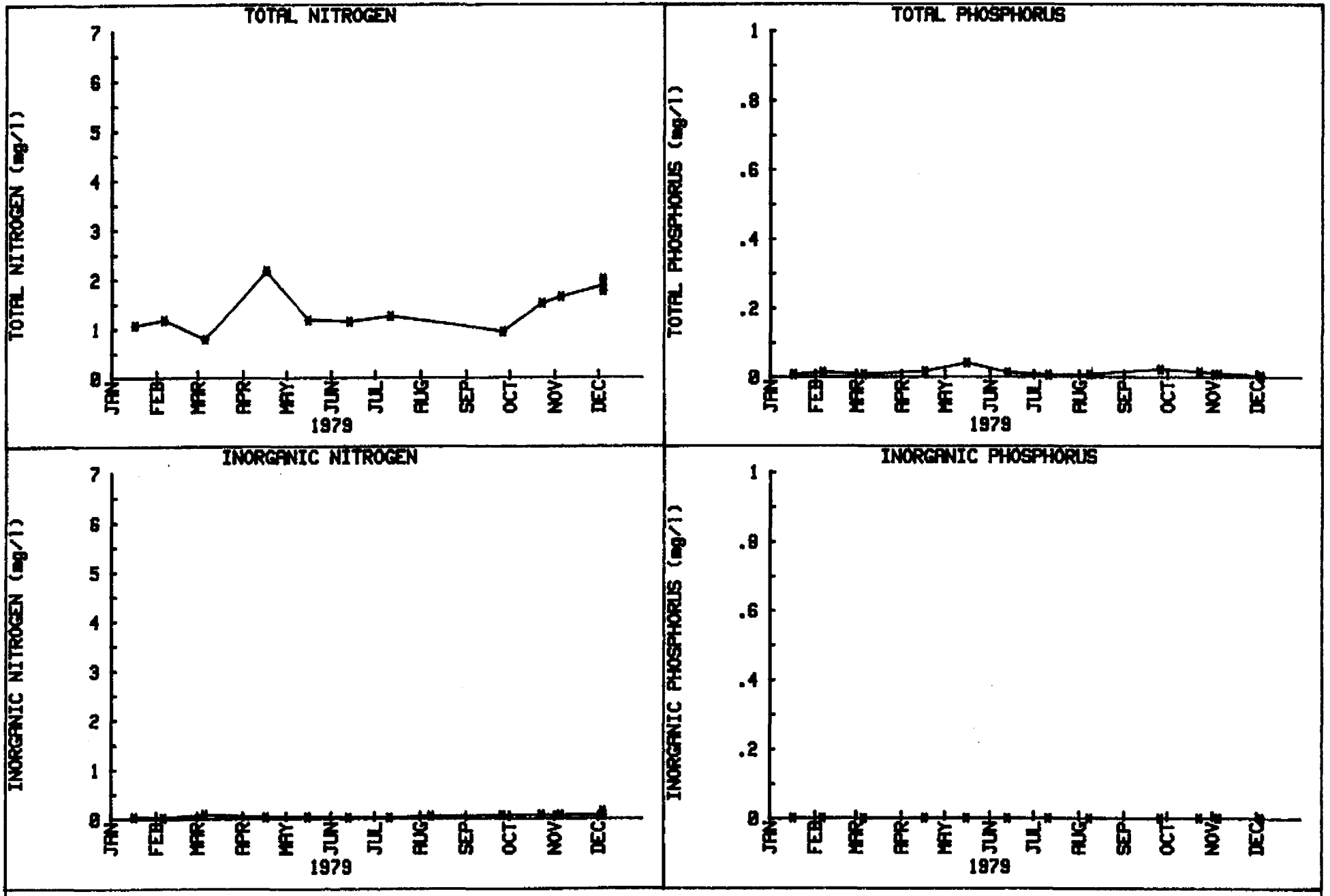


FIGURE . WATER QUALITY DATA VS TIME FOR HENDERSON CREEK

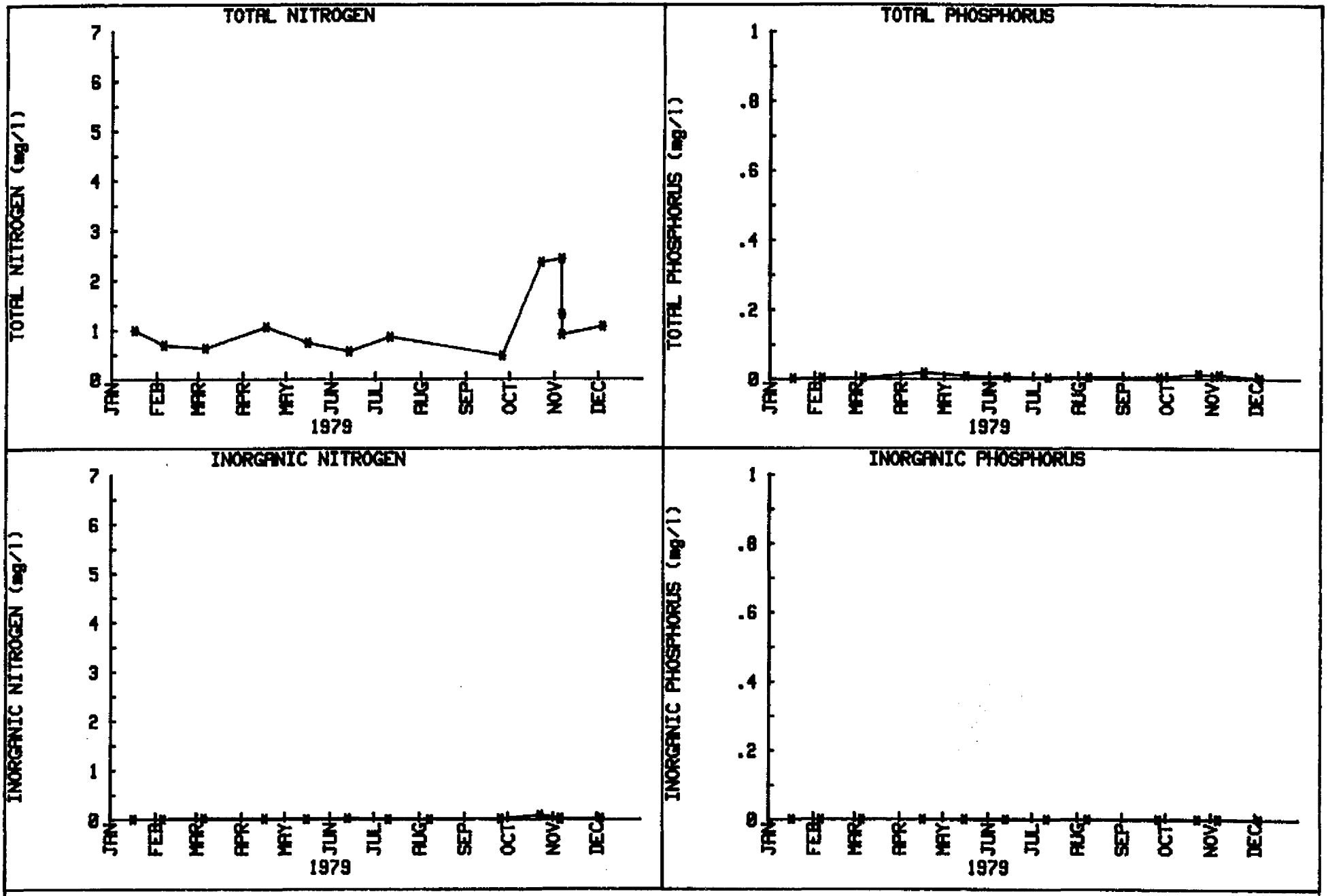


FIGURE . WATER QUALITY DATA VS TIME FOR THE FAKA UNION CANAL

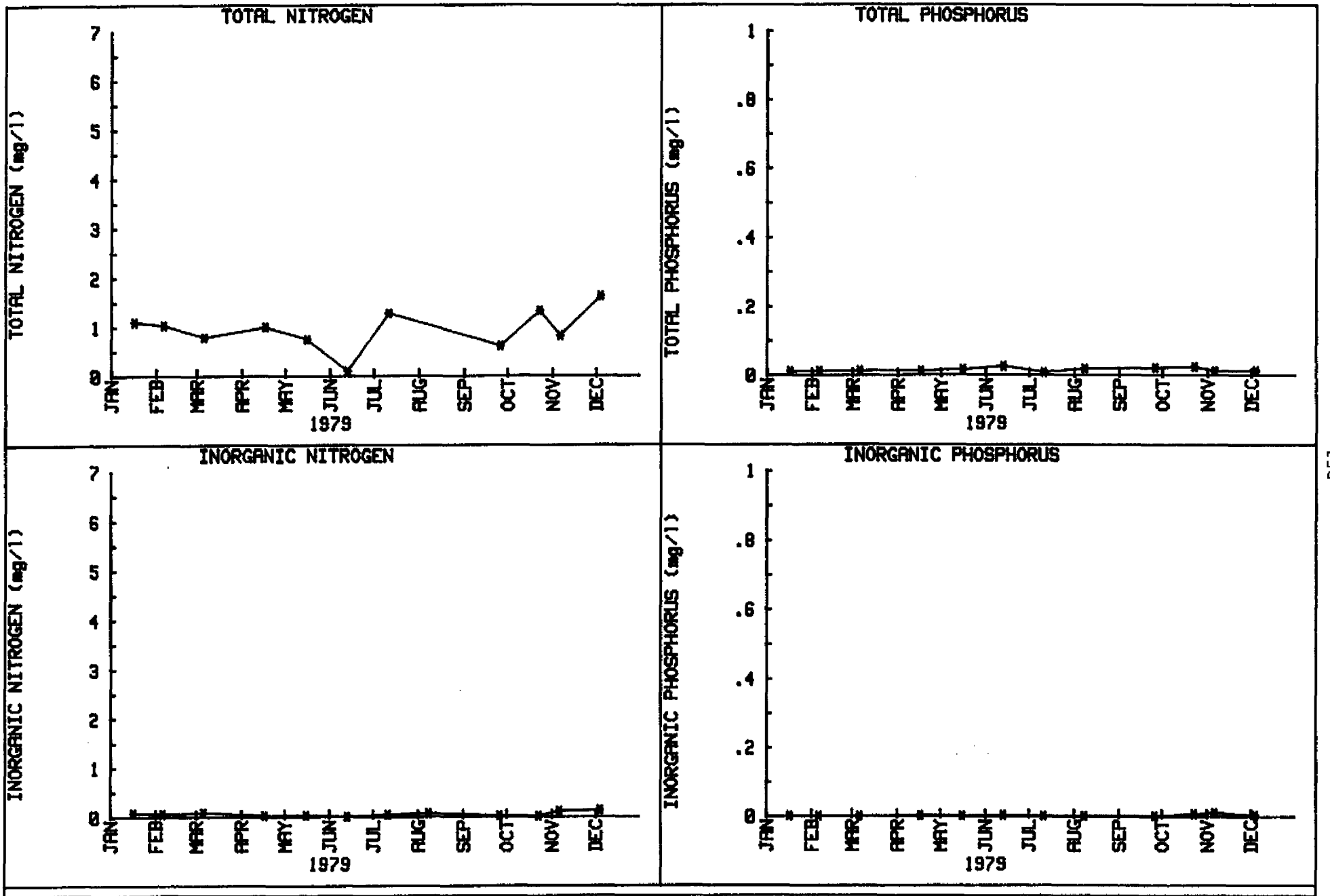


FIGURE . WATER QUALITY DATA VS TIME FOR THE BARRON RIVER

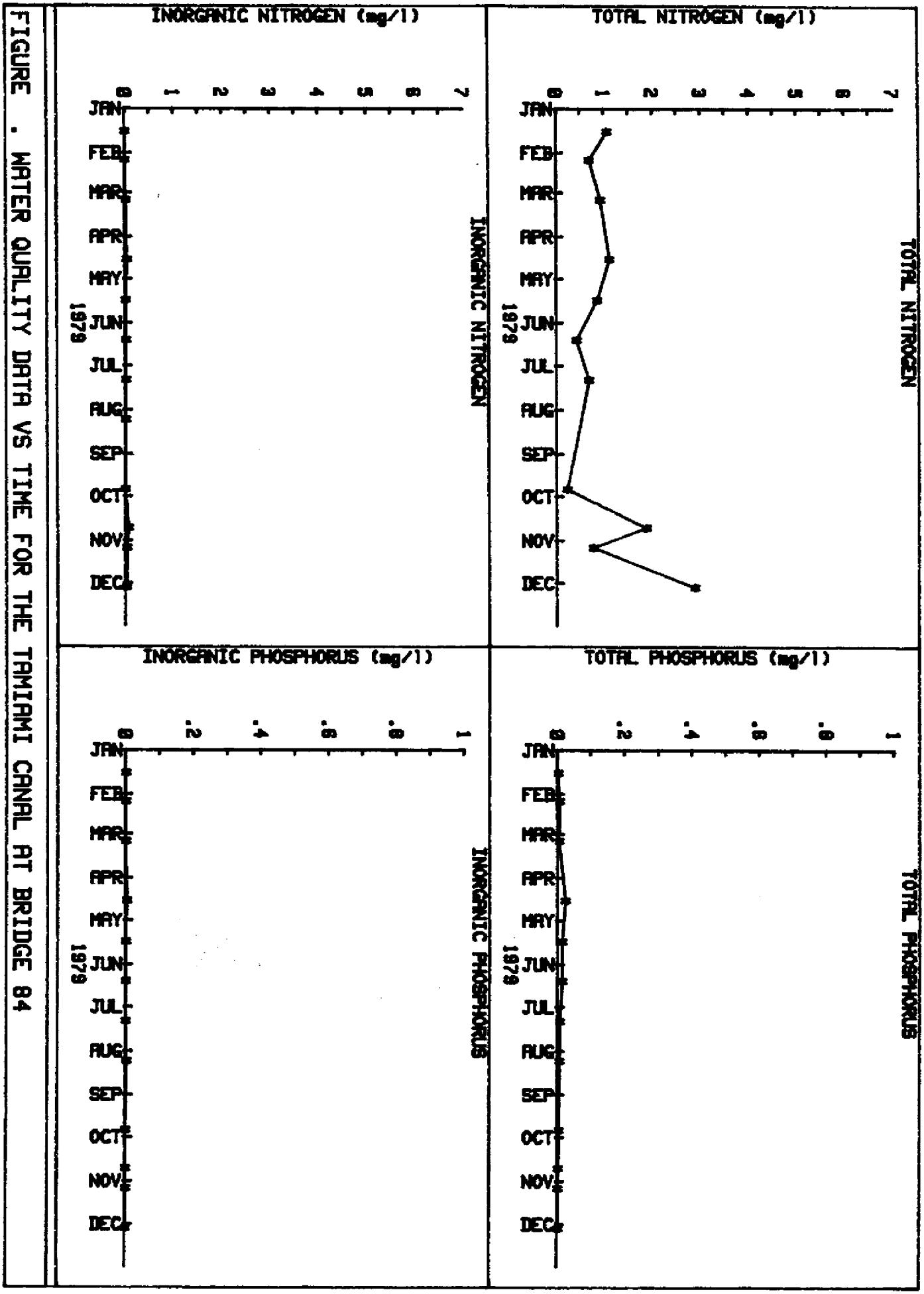


FIGURE . WATER QUALITY DATA VS TIME FOR THE TAMIAMI CANAL AT BRIDGE 84

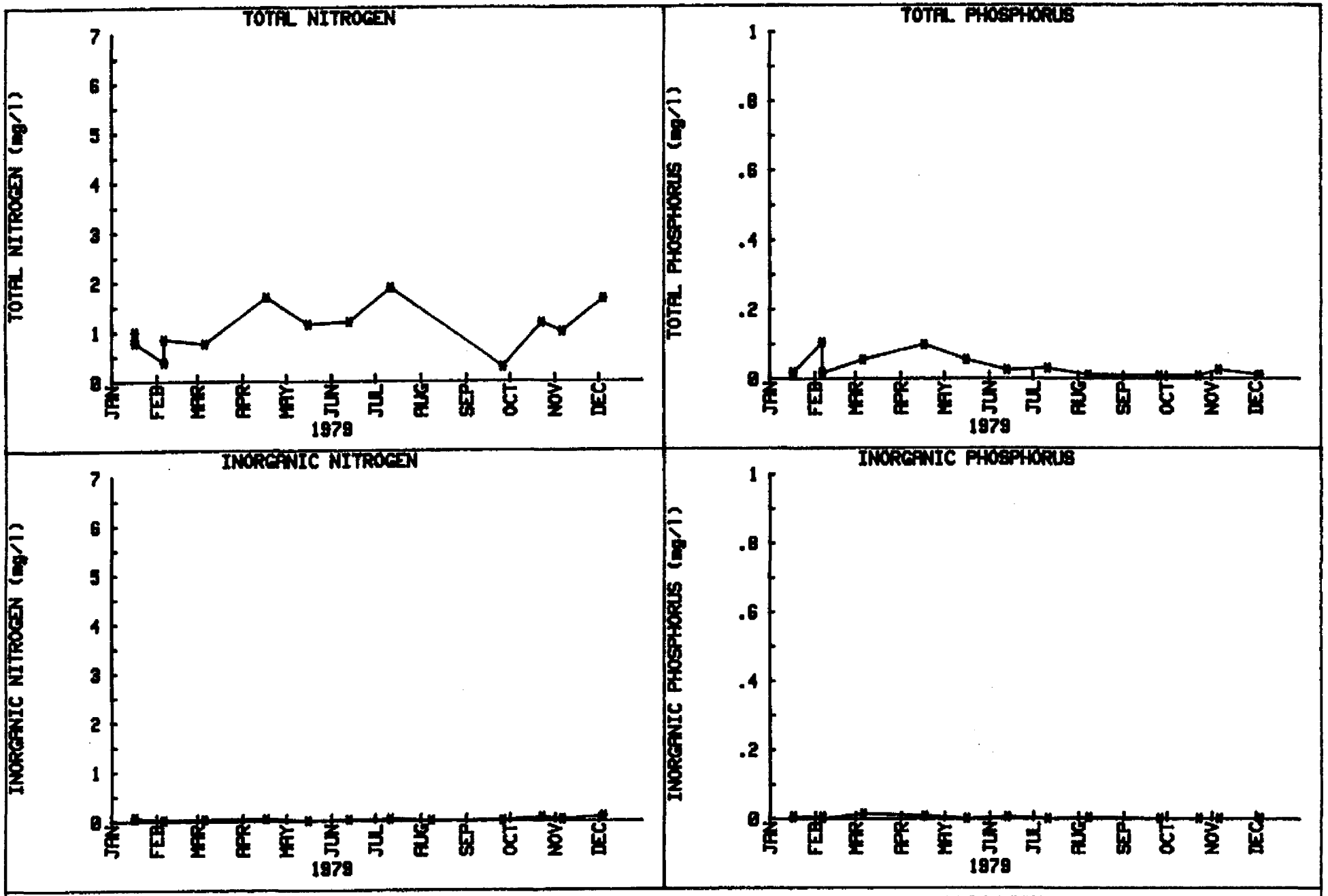


FIGURE . WATER QUALITY DATA VS TIME FOR THE TAMIAMI CANAL AT BRIDGE 105

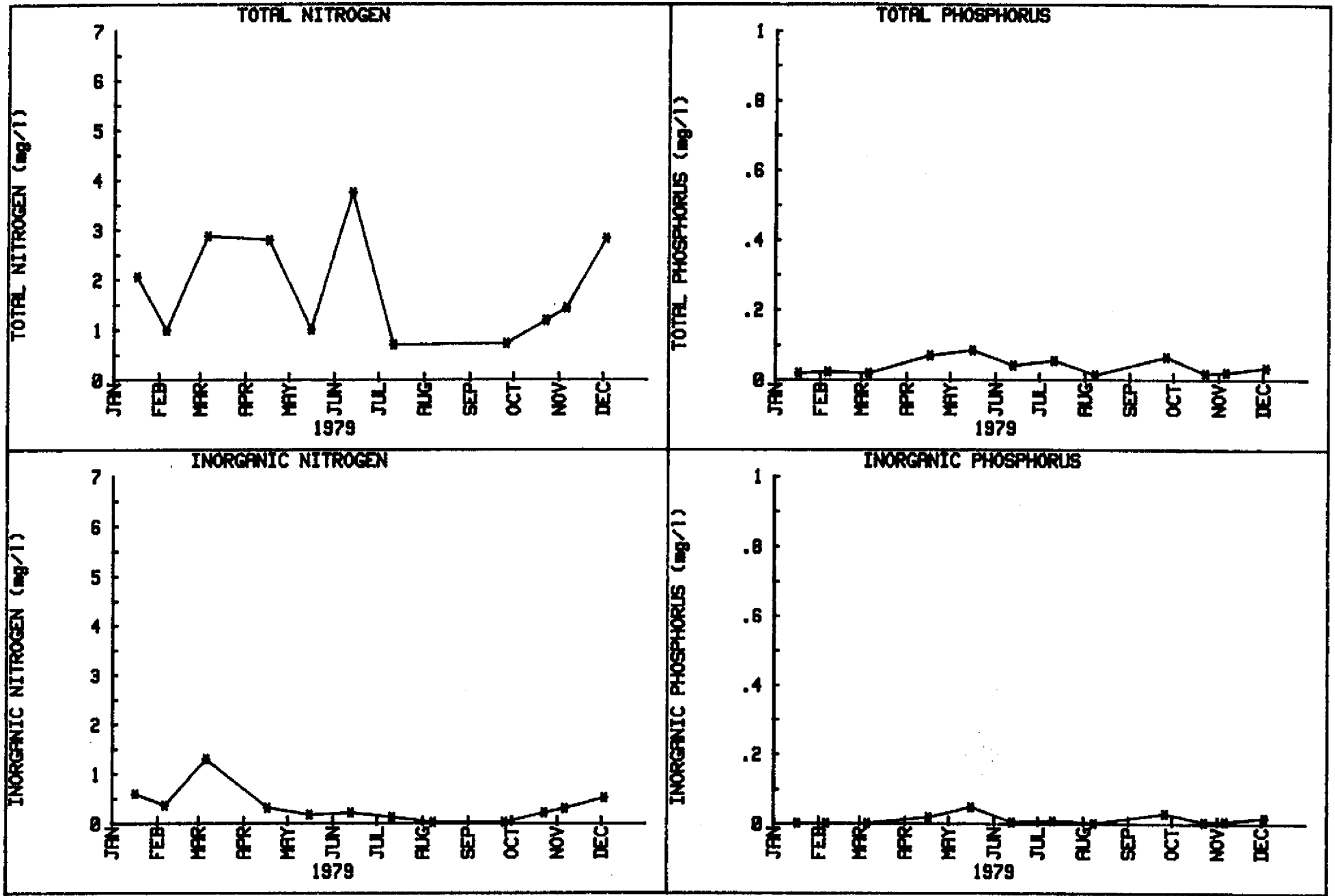


FIGURE . WATER QUALITY DATA VS TIME FOR THE ESTERO RIVER

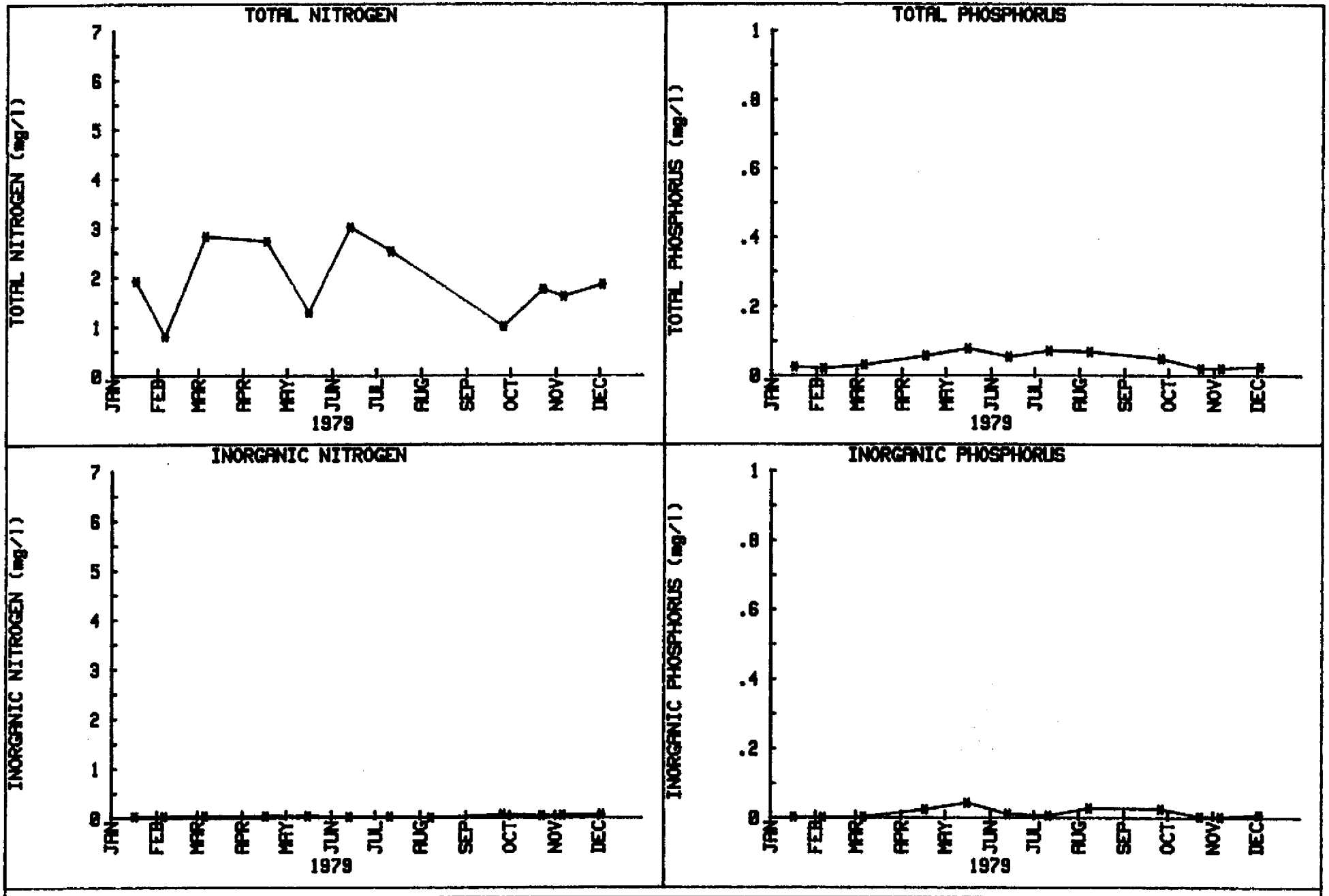


FIGURE . WATER QUALITY DATA VS TIME FOR THE IMPERIAL RIVER