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NUTRIENT ENHANCED COASTAL OCEAN PRODUCTIVITY

(NECOP)

Data Report: CTD and Hydrographic Data
R/V Pelican Cruise, April 3-11, 1993

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Compiled by:

R. Toon and M. Dagg

Louisiana Universities Marine Consortium

Chauvin, LA 70344

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Louisiana Universities Marine Consortium
Data Report No. 20

INTRODUCTION

The Nutrient Enhanced Coastal Ocean Productivity (NECOP) Program is a component of NOAA's Coastal Ocean Program. The central hypothesis of this research is: ANTHROPOGENIC NUTRIENT INPUTS HAVE ENHANCED COASTAL OCEAN PRODUCTIVITY WITH SUBSEQUENT IMPACTS ON COASTAL OCEAN WATER QUALITY, LIVING RESOURCE YIELDS, AND THE GLOBAL MARINE CARBON CYCLE.

The initial study area for this program is the Mississippi/Atchafalaya River Outflow and adjacent Louisiana shelf region. The focus of this cruise, PE930403, was on water column processes particularly bacterial, phytoplankton, and zooplankton as they relate to particulate flux.

To accomplish these objectives we visited a eutrophic plume region and a more oligotrophic mid-shelf region. In each region, the surface water was initially characterized by use of a flow-through mapping system aboard the vessel PELICAN, the MIDAS system.

Within the plume and mid-shelf regions, work was accomplished while following free floating sediment traps over 48 hour periods. In addition to routine hydrographic sampling (CTD, nutrients, chlorophyll, suspended particulate matter) experimental measurements of phytoplankton production, zooplankton biomass and zooplankton feeding rates were made at appropriate intervals while tracking the sediment traps.

This report summarizes the CTD and basic hydrographic measurements made during the cruise.

CRUISE PARTICIPANTS

Scientists:

M. Dagg - Chief Scientist, Louisiana Universities Marine Consortium
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Technicians:

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Ship Technicians:

J. Donovan - Louisiana Universities Marine Consortium
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Students:

J. Thomas - University of Southern Mississippi

METHODS AND MATERIALS

Water column profiles were obtained using a Sea-bird Electronics CTD system (91105/11105). The CTD was outfitted with a SBE 4-02/0 (S/N 264) conductivity sensor, a SBE 3-01/F (S/N 657) oceanographic thermometer, a Paroscientific Digitiquartz Model 2900-AS-002 (S/N 25512) depth sensor, a Sea-tech fluorometer (S/N 69), a SBE 13-01 (S/N 106) dissolved oxygen meter, and a Seatech 5 cm light path transmissometer (S/N 309).

All data were transmitted from the CTD system to the onboard deck unit at a rate of one observation per second and stored on a Bernoulli hard disk through a micro-computer interface (GPIB, National Instruments).

The raw data from the Sea-Bird CTD system were summarized, tabulated, and output using the following software: Seasoft Version 4.022 (Sea-Bird Electronics, Inc.), dBase III Plus Version 1.1 (Ashton-Tate), and Microsoft Word Version 5.0 (Microsoft Corporation). First, the data were obtained for all scans. These data were then averaged over 0.5 meter intervals to a depth of 30 meters. For example, a depth listing of 1.5 in this report indicates that data were averaged from 1.25 to 1.75 meters. Data from 30 meters and below were averaged over 5 meter intervals.

The CTD fish was mounted on a rosette sampler fitted with twelve 5-liter Niskin bottles for recovering water samples at discrete depths. The bottles were fitted with silicon O-rings and closure bands. Water samples from the Niskin bottles were used to obtain chlorophyll, phaeopigment, suspended particulate matter, and nutrient data. These data were then listed, in this report, with the corresponding CTD data.

Chlorophyll *a* and phaeopigment analyses were performed on board following a modified fluorometric technique described by Strickland and Parsons (1972). Water samples were filtered onto Whatman GF/F glass fiber filters immediately following collection. Filters were then immersed in 5 ml of a DMSO/90% Acetone (40:60) solution contained in 10 ml disposable cuvettes and allowed to extract for at least one hour in the dark. After extraction, the samples were centrifuged and fluorescence before and after acidification was measured on a Turner Model 10 fluorometer calibrated for chlorophyll *a*.

Samples for suspended particulate matter were acquired by filtering from 500 ml. to 2000 ml. onto pre-weighed, precombusted Whatman GF/F glass fiber filters. After filtering, the suction to the vacuum pump was turned off and approximately 2-5 mls of distilled water were placed upon each filter. Immediately, suction was reapplied, then turned off. A second time, 2-5 mls of distilled water were placed upon each filter, the suction immediately reapplied and turned off. The filters were next removed from the filter manifold, and placed in a drying oven. After drying, the filters were weighed. Following this treatment the SPM, in mg/l, was calculated.

Dissolved nutrients (NO3, NO2, NH4, SiO4, and PO4) were determined on samples passed through GF/F filters using LUMCON's ALPKEM RFA/2 Rapid Flow Analyzer. This instrument is configured to analyze five nutrient channels

simultaneously with and additional three channels (ammonia, silicate, and nitrate/nitrite) using optical dilution. Detection limits for the different channels are as follows: N/N, 0.043 μMol; NO2, 0.03 μMol; NH4, 0.08 μMol; SiO4, 0.02 μMol; and PO4, 0.04 μMol. Peak heights and sample concentrations are determined by computer interface using ALPKEM's softpak 1.07. Calibrations are made every 80 samples using standard addition to low nutrient seawater matrix within 5 ppt of the sample run.

REFERENCES

Strickland, J. D. H., and T. R. Parsons, 1972. *A Practical handbook of Seawater Analyses. Fisheries Research Board of Canada.*

Winkler vs. Sea-bird Oxygen Values

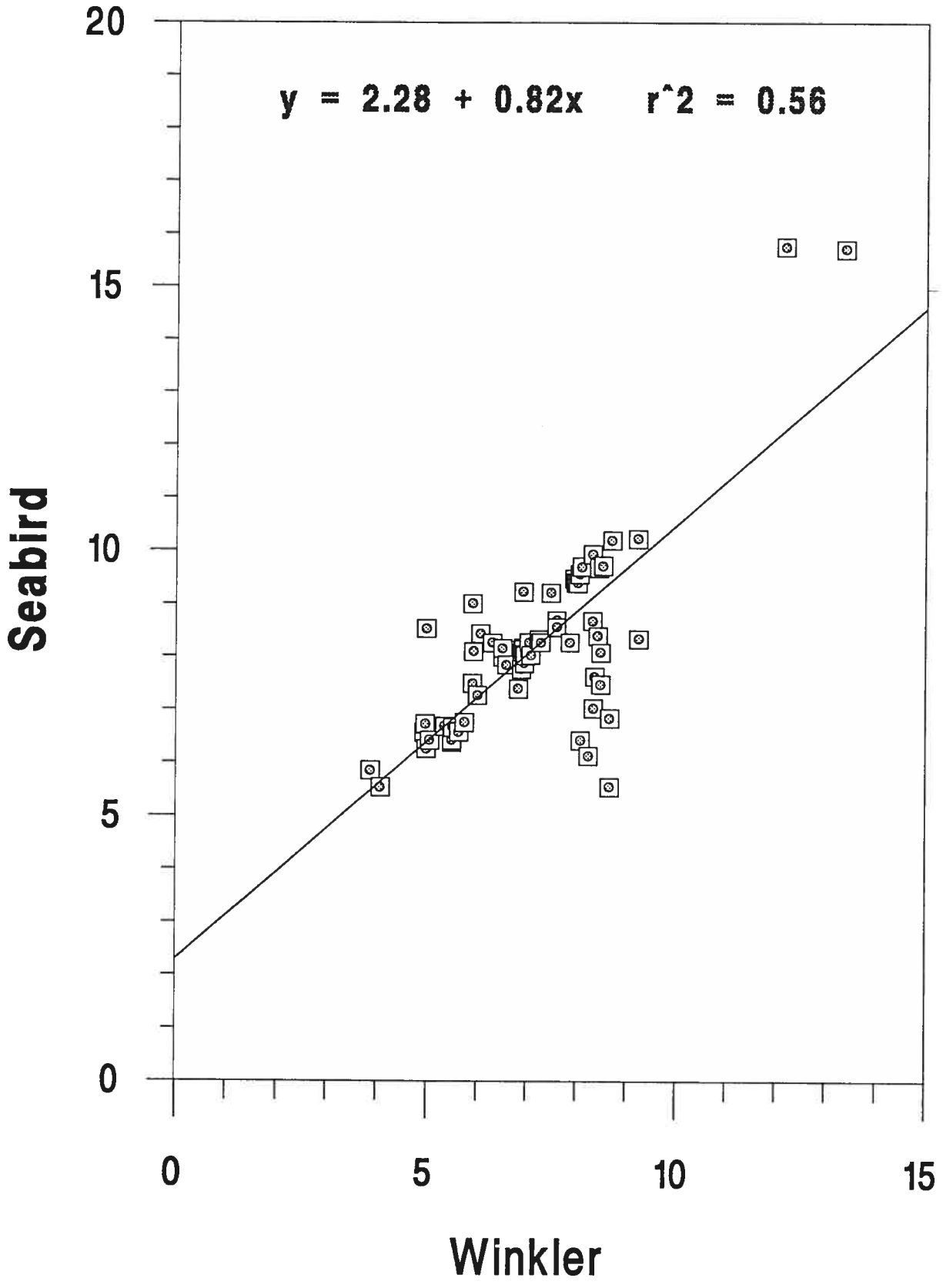
General Information:

On the following page is a graph which compares oxygen values obtained from the Sea-bird CTD to dissolved oxygen values using a classical Winkler titration. This method required 3 standards and 3 blanks. Reagents were standardized every 24 hours and upon the addition or change of titrant or reagents. Dissolved oxygen of known volume was converted to a stoichiometric quantity of triiodide ion which was titrated with standardized sodium thiosulfate to a starch indicator endpoint.

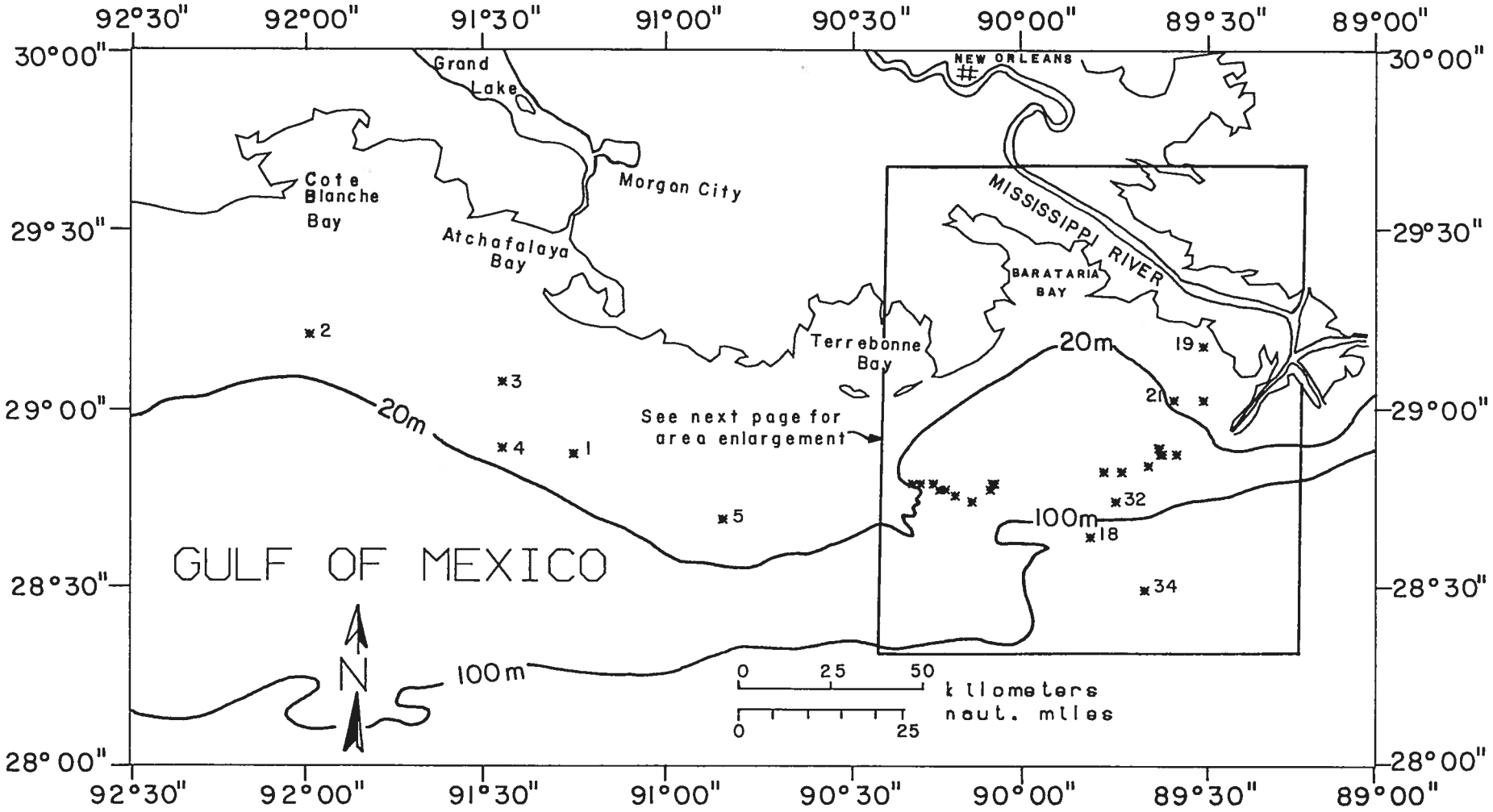
Source:

A modification of Carpenter's procedure (Limnol. Oceangr. 10: 141-143, 1965) for the classical Winkler titration (Ber Deutsch Chem. Gesellschaft 21: 2843, 1888) involving a starch indicator to determine chemical endpoint.

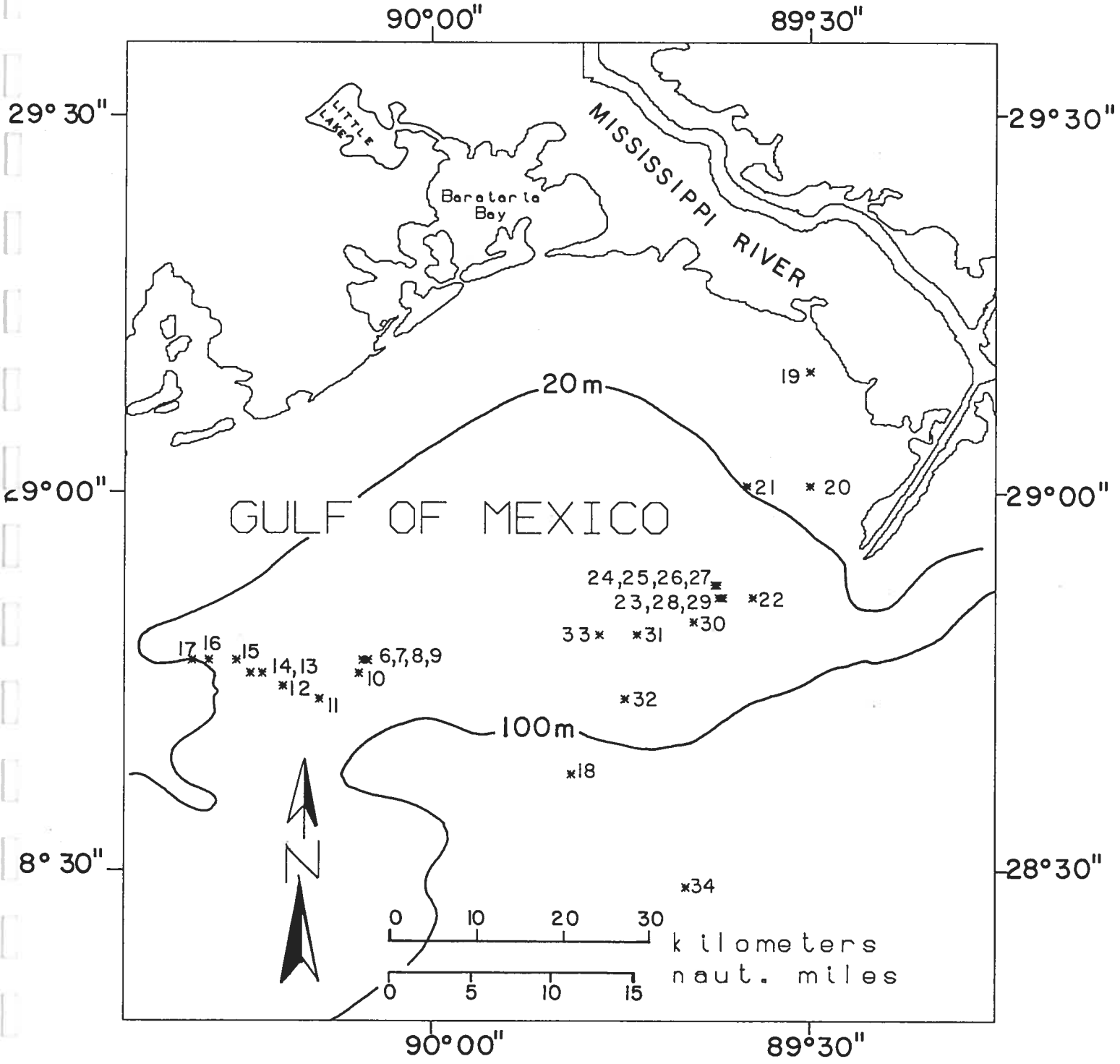
Oxygen (mg/l) comparison



CTD STATIONS



CTD STATIONS



EXPLANATION OF DATA CATEGORIES

Station Log Data:

Latitude, Longitude - Determined by Loran C.
Depth (Bottom) - On board fathometer (Furuno FE-881 MK II).

CTD Data:

DEPTH (Pressure) - Measured in meters.
TEMPerature - Measured in ^{0}C.
SALinity - Measured in $^0/_{00}$.
σ_t - Density.
OXYgen - Measured in mg/l.
TRANSmission - Percent transmission over 5 cm light path.
FLUORescence - Fluorescence units.

Other Water Column Data:

TDEPTH - Target Depth of Niskin bottle closure.
DEPTH* - Actual depth, in meters, of Niskin bottle closure.
CHLORophyll(a) - Measured in µg/l.
PHAEOpigments - Measured in µg/l of chlorophyll equivalents.
SPM (Suspended Particulate Matter) - Measured in mg/l
NO3, NO2, NH4, SIO4, PO4 - Measured in µmol/l.
NS - No Sample collected
ND -Not Detectable.

***In some cases, Niskin bottle closure was not recorded by the software. For instances in which this has occurred, the depth value is followed by an asterisk to indicate that the target depth was presumed in retrieving CTD data.**

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 8 M
0403-001	04/03/93	0756	28°51.08'N	91°16.05'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	18.71	7.37	4.07	10.51	75.59	0.29
1.00	18.61	28.13	19.88	8.15	60.53	0.73
1.50	18.61	28.17	19.91	8.13	86.21	1.34
2.00	18.60	28.18	19.91	8.16	86.67	1.97
2.50	18.61	28.20	19.93	8.76	86.79	5.10
3.00	18.61	28.21	19.94	8.78	86.86	5.07
3.50	18.60	28.30	20.01	9.07	86.94	4.76
4.00	18.60	28.22	19.95	9.61	86.91	4.35
4.50	18.60	28.32	20.02	9.26	86.95	4.75
5.00	18.59	28.40	20.08	8.86	86.99	5.12
5.50	18.57	28.52	20.18	8.80	87.08	5.04
6.00	18.56	28.69	20.32	8.69	87.02	4.90
6.50	18.52	28.92	20.50	8.58	87.12	4.87
7.00	18.52	29.16	20.68	8.29	87.09	4.81
7.50	18.48	29.39	20.87	7.96	87.09	4.72
8.00	18.47	29.64	21.06	7.79	87.10	4.67
8.50	18.45	29.80	21.19	7.44	87.04	4.55

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 8 M
0403-001	04/03/93	0756	28°51.08'N	91°16.05'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.56*	18.64	22.08	15.26	8.56	44.51	0.63	26.25	27.44	NS	2.601	1.284	3.349	15.94	0.167
4.00	2.85	18.63	28.15	19.89	8.69	86.88	5.07	21.20	28.54	NS	2.376	1.356	3.532	16.01	0.269
8.00	6.35	18.53	28.86	20.45	8.61	87.12	4.90	27.26	30.73	NS	3.319	1.960	3.881	19.75	0.701

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 6 M
0403-002	04/03/93	1733	29°11.03'N	92°00.24'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	18.20	27.17	19.24	6.46	30.98	0.07
1.00	18.08	28.17	20.03	6.35	23.16	0.44
1.50	18.07	28.19	20.05	6.43	84.26	1.16
2.00	18.07	28.21	20.07	6.49	88.75	1.79
2.50	18.08	28.22	20.07	6.47	87.53	2.63
3.00	18.08	28.21	20.07	6.94	88.85	3.87
3.50	18.07	28.23	20.08	6.66	88.97	4.38
4.00	18.07	28.21	20.07	7.23	88.93	4.29
4.50	18.07	28.22	20.07	7.13	88.90	4.39
5.00	18.07	28.23	20.08	7.31	88.76	4.34
5.50	18.06	28.24	20.09	7.88	88.63	4.32
6.00	18.07	28.23	20.08	7.98	88.74	4.29
6.50	18.06	28.24	20.09	8.17	88.60	4.35
7.00	18.06	28.27	20.11	8.39	87.59	4.48
7.50	18.06	28.27	20.11	9.04	88.18	4.44
8.00	18.06	28.27	20.11	9.10	87.90	4.47

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 6 M
0403-002	04/03/93	1733	29°11.03'N	92°00.24'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	1.39*	18.07	28.19	20.05	6.42	86.74	1.06	28.27	29.63	NS	1.315	0.843	0.354	25.78	0.213
4.00	4.15	18.07	28.22	20.07	7.03	88.98	4.44	30.29	28.54	NS	1.314	0.817	ND	25.81	0.263
7.00	6.61	18.06	28.25	20.10	8.08	88.26	4.36	29.08	31.83	NS	1.350	0.790	ND	25.73	0.277

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 17 M
0403-003	04/03/93	1940	29°03.04'N	91°27.94'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
2.50	18.66	29.09	20.59	7.39	93.21	2.19
3.00	18.66	29.08	20.59	7.05	93.22	2.16
3.50	18.65	29.09	20.59	7.48	93.21	2.17
4.00	18.66	29.08	20.59	7.57	93.22	2.16
4.50	18.66	29.08	20.59	7.88	93.24	2.19
5.00	18.65	29.08	20.59	8.48	93.22	2.26
5.50	18.65	29.09	20.59	8.62	93.27	2.23
6.00	18.65	29.08	20.59	8.53	93.20	2.24
6.50	18.65	29.08	20.59	8.27	93.23	2.25
7.00	18.65	29.08	20.59	7.99	93.25	2.23
7.50	18.65	29.09	20.60	7.93	93.22	2.25
8.00	18.65	29.09	20.60	7.97	93.26	2.28
8.50	18.65	29.09	20.60	8.38	93.22	2.31
9.00	18.65	29.09	20.60	8.65	93.27	2.32
9.50	18.65	29.10	20.61	8.72	93.24	2.32
10.00	18.65	29.12	20.62	8.81	93.22	2.33
10.50	18.65	29.14	20.63	8.96	93.24	2.32
11.00	18.64	29.36	20.81	9.09	93.15	2.26
11.50	18.62	29.70	21.07	9.16	93.17	2.23
12.00	18.58	30.20	21.46	9.18	93.08	2.24
12.50	18.55	30.58	21.76	9.27	92.92	2.24
13.00	18.52	32.88	23.52	9.01	90.20	2.26
13.50	18.57	33.03	23.63	8.96	89.86	2.40
14.00	18.59	33.11	23.68	8.80	89.76	2.50
14.50	18.61	33.16	23.71	7.94	89.38	2.60
15.00	18.62	33.18	23.73	7.08	89.08	2.66
15.50	18.65	33.25	23.78	6.56	86.07	2.66
16.00	18.65	33.26	23.78	6.12	83.71	2.72
16.50	18.65	33.25	23.78	6.21	83.60	2.68

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 17 M
0403-003	04/03/93	1940	29°03.04'N	91°27.94'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	2.57*	18.65	29.09	20.60	7.47	93.22	2.21	11.11	13.17	NS	0.302	0.309	ND	19.50	0.127
5.00	4.76	18.66	29.08	20.59	8.39	93.27	2.27	11.21	13.06	NS	0.290	0.312	ND	19.47	0.167
10.00	9.39	18.65	29.10	20.61	8.68	93.22	2.32	14.74	13.61	NS	0.284	0.345	0.273	19.49	0.085
16.00	14.36	18.61	33.16	23.72	8.53	89.53	2.57	19.18	19.76	NS	0.718	1.143	0.366	19.63	0.129

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 18 M
0403-004	04/04/93	0312	28°52.04'N	91°27.94'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	19.15	19.99	13.57	10.66	55.77	1.08
1.00	18.85	26.31	18.43	10.23	61.62	3.18
1.50	18.85	26.43	18.52	8.96	83.24	7.04
2.00	18.85	26.37	18.47	8.33	85.42	8.25
2.50	18.85	26.31	18.43	8.29	85.53	8.51
3.00	18.85	26.29	18.42	8.24	85.62	8.54
3.50	18.85	26.28	18.41	8.70	85.56	8.62
4.00	18.85	26.28	18.41	8.49	85.66	8.72
4.50	18.86	26.28	18.41	8.32	85.67	8.73
5.00	18.84	26.29	18.42	8.22	85.61	8.79
5.50	18.84	26.31	18.43	8.43	85.68	8.77
6.00	18.84	26.40	18.50	9.63	85.72	8.79
6.50	18.88	27.05	18.99	9.67	86.42	9.14
7.00	18.95	27.16	19.05	9.87	88.28	8.85
7.50	18.95	27.61	19.40	9.69	88.64	6.91
8.00	18.91	28.66	20.20	9.33	90.29	5.75
8.50	18.87	29.25	20.66	9.39	90.88	5.36
9.00	18.84	29.81	21.10	9.47	91.37	5.02
9.50	18.81	30.34	21.51	9.64	91.68	4.07
10.00	18.73	31.54	22.45	9.39	92.05	3.10
10.50	18.65	32.29	23.04	9.29	90.82	2.90
11.00	18.62	32.59	23.27	9.22	89.74	2.63
11.50	18.64	32.58	23.26	8.63	89.39	2.11
12.00	18.58	32.88	23.51	7.24	88.06	1.69
12.50	18.55	33.00	23.61	7.06	87.48	1.58
13.00	18.52	33.04	23.64	6.92	86.81	1.50
13.50	18.49	33.12	23.72	6.69	85.15	1.41
14.00	18.47	33.16	23.75	6.39	83.85	1.30
14.50	18.49	33.18	23.76	6.03	83.65	1.23
15.00	18.52	33.28	23.83	5.76	82.21	1.18
15.50	18.55	33.46	23.96	5.68	82.00	1.16
16.00	18.57	33.56	24.03	5.63	82.94	1.12
16.50	18.59	33.62	24.07	5.54	82.92	1.09
17.00	18.60	33.65	24.09	5.50	79.71	1.08
17.50	18.60	33.69	24.12	5.30	74.84	1.09
18.00	18.62	33.72	24.14	5.17	29.24	0.98

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 18 M
0403-004	04/04/93	0312	28°52.04'N	91°27.94'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.86	18.85	26.31	18.43	10.23	61.62	3.18	62.60	84.51	NS	1.626	0.577	1.277	16.50	0.095
5.00	4.39	18.86	26.28	18.41	8.34	85.69	8.72	13.73	15.37	NS	1.654	0.522	1.298	16.17	0.089
10.00	8.99	18.84	29.81	21.10	9.48	91.41	5.02	35.34	38.41	NS	0.984	0.725	1.269	15.48	0.109
17.00	16.45	18.59	33.62	24.07	5.54	83.11	1.10	36.75	33.58	NS	1.709	1.079	1.298	22.71	0.340

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 12 M
0403-005	04/04/93	1009	28°40.01'N	90°50.92'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	18.15	16.45	11.06	6.25	63.77	0.83
1.00	19.02	29.69	20.97	6.35	85.72	2.31
1.50	19.00	29.42	20.76	6.87	85.73	5.38
2.00	19.01	29.43	20.77	7.16	85.73	6.97
2.50	19.01	29.70	20.97	7.61	85.88	7.27
3.00	19.01	29.73	20.99	7.96	85.79	7.21
3.50	19.01	29.71	20.98	8.18	85.87	7.21
4.00	19.01	29.79	21.04	9.28	85.86	7.29
4.50	19.01	29.79	21.04	9.38	85.94	7.28
5.00	19.01	29.80	21.05	9.42	85.88	7.23
5.50	19.01	29.82	21.07	9.42	85.89	7.24
6.00	19.01	29.80	21.05	9.37	85.87	7.25
6.50	19.01	29.80	21.05	9.42	85.91	7.25
7.00	19.01	29.93	21.15	9.43	85.91	7.17
7.50	18.99	30.04	21.24	9.41	85.94	7.01
8.00	18.95	30.36	21.49	9.27	85.93	6.83
8.50	18.93	30.57	21.66	9.11	85.85	6.43
9.00	18.89	31.10	22.07	8.81	85.67	5.95
9.50	18.83	31.71	22.55	8.69	84.70	5.79
10.00	18.78	32.24	22.97	8.00	80.55	4.75
10.50	18.72	33.26	23.76	7.29	74.39	3.73
11.00	18.72	33.42	23.89	6.92	73.09	3.36
11.50	18.72	33.43	23.89	6.08	71.11	3.04
12.00	18.72	33.47	23.92	5.41	68.67	2.92
12.50	18.72	33.49	23.94	4.81	68.30	2.97

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 12 M
0403-005	04/04/93	1009	28°40.01'N	90°50.92'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	.42*	19.01	29.44	20.77	6.36	84.36	1.32	27.67	30.29	NS	ND	0.148	ND	4.70	0.069
4.00	2.98	19.01	29.70	20.98	7.62	85.74	7.22	25.24	36.22	NS	ND	0.180	ND	4.72	0.073
8.00	6.26	19.02	29.79	21.04	9.41	86.02	7.22	27.87	30.73	NS	0.063	0.324	ND	5.56	0.089
12.50	11.52*	18.72	33.45	23.91	5.85	70.25	2.91	14.74	15.80	NS	2.726	1.932	ND	15.90	0.141

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 36 M
0403-006	04/05/92	0426	28°46.83'N	90°05.10'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	19.46	31.83	22.48	4.75	79.17	0.27
1.00	19.47	31.72	22.40	4.87	91.81	1.02
1.50	19.48	31.65	22.35	5.92	92.19	1.51
2.00	19.48	31.70	22.38	8.09	92.08	2.31
2.50	19.48	31.73	22.40	8.25	92.10	2.33
3.00	19.49	31.83	22.48	9.04	92.24	2.40
3.50	19.49	31.83	22.48	9.08	92.19	2.60
4.00	19.50	31.84	22.48	9.07	92.23	3.32
4.50	19.52	31.85	22.49	9.07	92.04	3.31
5.00	19.52	31.85	22.48	9.06	92.06	3.12
5.50	19.53	31.85	22.49	9.08	92.02	3.36
6.00	19.54	31.87	22.50	9.07	92.08	2.90
6.50	19.55	31.88	22.50	9.09	92.24	2.56
7.00	19.57	31.89	22.51	9.10	92.02	2.54
7.50	19.62	31.95	22.54	9.05	92.11	2.72
8.00	19.62	31.96	22.54	9.09	92.05	2.63
8.50	19.65	32.02	22.58	9.08	92.23	3.23
9.00	19.66	32.04	22.59	9.10	92.12	3.04
9.50	19.67	32.05	22.60	9.10	92.37	2.70
10.00	19.68	32.10	22.63	9.09	92.24	2.50
10.50	19.70	32.16	22.68	9.09	92.67	2.28
11.00	19.73	32.22	22.71	9.05	92.51	2.07
11.50	19.75	32.26	22.74	9.05	92.39	2.02
12.00	19.76	32.33	22.79	9.04	92.36	2.44
12.50	19.79	32.62	23.00	8.99	92.55	2.21
13.00	19.80	33.09	23.36	8.95	93.30	2.02
13.50	19.83	33.19	23.43	8.91	93.77	1.92
14.00	19.87	33.27	23.48	8.60	93.76	1.78
14.50	20.01	33.90	23.92	8.33	93.65	1.58
15.00	20.11	34.45	24.31	8.30	93.66	1.52
15.50	20.10	34.61	24.44	8.27	94.02	1.40
16.00	20.03	34.63	24.47	8.21	94.11	1.35
16.50	19.90	34.68	24.54	8.08	94.00	1.26
17.00	19.73	34.72	24.62	8.03	93.92	1.26
17.50	19.61	34.76	24.68	7.95	94.08	1.11
18.00	19.50	34.85	24.78	7.62	94.14	0.94
18.50	19.47	35.02	24.92	7.46	94.03	0.95
19.00	19.48	35.03	24.92	7.35	94.04	0.93
19.50	19.50	35.06	24.94	7.35	94.07	0.88
20.00	19.58	35.14	24.98	7.34	93.92	0.79
20.50	19.59	35.16	24.99	7.39	94.00	0.73
21.00	19.64	35.31	25.09	7.41	94.31	0.72
21.50	19.52	35.46	25.24	7.43	94.55	0.66
22.00	19.51	35.52	25.29	7.40	94.68	0.58
22.50	19.51	35.53	25.29	7.10	94.53	0.51
23.00	19.52	35.60	25.35	6.90	94.57	0.48
23.50	19.57	35.68	25.40	6.87	94.50	0.47
24.00	19.70	35.83	25.47	6.81	94.23	0.45
24.50	19.80	35.92	25.51	6.73	93.70	0.44
25.00	19.81	35.93	25.52	6.48	92.93	0.45
25.50	19.97	36.05	25.57	6.33	90.84	0.44
26.00	20.00	36.08	25.59	6.34	89.61	0.43
26.50	20.01	36.08	25.58	6.31	88.74	0.44
27.00	20.00	36.08	25.59	6.28	87.95	0.48
27.50	20.01	36.09	25.59	6.21	87.64	0.50
28.00	20.00	36.09	25.60	6.15	87.77	0.50
28.50	20.00	36.09	25.60	6.16	87.36	0.51
29.00	19.99	36.09	25.60	6.10	86.73	0.53

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 36 M
0403-006	04/05/92	0426	28°46.83'N	90°05.10'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
29.50	19.99	36.10	25.60	6.09	86.17	0.65
30.00	19.98	36.10	25.61	6.03	84.62	0.63
35.00	19.91	36.10	25.63	5.75	80.60	0.72

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 36 M
0403-007	04/05/93	0835	28°46.83'N	90°05.15'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	18.93	26.87	18.83	5.95	68.75	0.40
1.00	19.34	31.39	22.18	5.99	90.59	1.54
1.50	19.34	31.35	22.15	8.24	90.44	2.81
2.00	19.34	31.40	22.19	8.91	90.54	3.00
2.50	19.35	31.44	22.22	9.40	90.87	3.12
3.00	19.36	31.44	22.22	9.42	90.81	2.80
3.50	19.36	31.45	22.22	9.41	90.90	2.93
4.00	19.35	31.45	22.22	9.44	90.69	3.02
4.50	19.35	31.45	22.22	9.44	90.84	3.08
5.00	19.36	31.45	22.22	9.44	90.78	3.23
5.50	19.36	31.44	22.22	9.46	90.80	3.16
6.00	19.37	31.45	22.22	9.45	90.92	3.25
6.50	19.38	31.49	22.25	9.44	90.87	3.35
7.00	19.49	31.62	22.32	9.44	91.03	3.21
7.50	19.51	31.67	22.35	9.41	91.32	2.91
8.00	19.58	31.76	22.40	9.37	91.81	2.80
8.50	19.62	31.82	22.44	9.34	91.84	2.77
9.00	19.67	31.91	22.49	9.31	92.50	2.50
9.50	19.69	32.03	22.58	9.28	92.54	2.38
10.00	19.73	32.14	22.65	9.26	92.94	2.10
10.50	19.80	32.30	22.75	9.20	93.25	1.94
11.00	19.92	32.62	22.97	9.14	93.21	1.86
11.50	20.03	33.63	23.71	8.95	94.21	1.51
12.00	20.04	33.82	23.85	8.57	94.48	1.14
12.50	20.05	33.87	23.89	8.52	94.58	1.06
13.00	20.07	33.96	23.95	8.43	94.26	1.05
13.50	20.12	34.38	24.26	8.37	94.00	1.05
14.00	20.12	34.43	24.30	8.24	94.12	1.19
14.50	20.09	34.52	24.38	8.22	94.12	1.46
15.00	20.08	34.55	24.40	8.17	94.09	1.54
15.50	20.01	34.63	24.48	8.12	94.08	1.25
16.00	19.96	34.66	24.51	7.92	93.95	1.17
16.50	19.87	34.71	24.57	7.81	94.08	1.18
17.00	19.81	34.74	24.62	7.64	93.91	1.11
17.50	19.72	34.76	24.65	7.54	93.87	0.98
18.00	19.60	34.77	24.69	7.46	93.95	0.90
18.50	19.44	34.83	24.78	7.27	94.03	0.91
19.00	19.42	34.89	24.83	7.06	94.09	0.91
19.50	19.44	34.92	24.85	7.02	94.16	0.99
20.00	19.50	34.98	24.88	7.02	94.14	0.88
20.50	19.53	35.02	24.90	7.10	94.21	0.90
21.00	19.61	35.16	24.99	7.11	93.57	1.06
21.50	19.61	35.27	25.07	7.19	94.42	1.05
22.00	19.63	35.40	25.17	7.12	94.37	0.77
22.50	19.59	35.46	25.23	7.01	94.40	1.28
23.00	19.53	35.52	25.28	6.92	94.51	0.80
23.50	19.62	35.61	25.33	6.80	94.55	0.62
24.00	19.73	35.72	25.38	6.61	94.51	0.69
24.50	19.83	35.81	25.43	6.41	94.42	0.53
25.00	20.02	35.97	25.50	6.32	93.21	0.46
25.50	20.04	36.05	25.55	6.27	92.25	0.61
26.00	20.06	36.07	25.56	6.22	91.31	0.88
26.50	20.06	36.07	25.56	6.19	90.92	0.52
27.00	20.06	36.07	25.56	6.16	90.69	0.49
27.50	20.06	36.08	25.57	6.12	90.28	0.45
28.00	20.05	36.08	25.57	6.12	90.00	0.45
28.50	20.05	36.08	25.57	6.08	89.61	0.44
29.00	20.05	36.09	25.58	6.07	89.55	0.54

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 36 M
0403-007	04/05/93	0835	28°46.83'N	90°05.15'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
29.50	20.06	36.10	25.58	6.03	89.42	0.68
30.00	20.04	36.09	25.59	6.03	88.80	0.52
35.00	19.95	36.10	25.62	5.80	84.88	0.63

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 36 M
0403-007	04/05/93	0835	28°46.83'N	90°05.15'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	.86*	19.34	31.38	22.17	6.02	90.50	1.45	13.33	16.68	NS	0.065	ND	ND	ND	ND
5.00	4.16	19.35	31.45	22.22	9.52	90.55	3.03	13.93	16.68	NS	0.121	0.009	0.476	ND	ND
10.00	8.80	19.65	31.87	22.47	9.29	92.31	2.66	9.49	12.07	NS	ND	0.157	0.078	0.51	ND
15.00	13.95	20.11	34.45	24.31	8.24	94.17	1.17	4.44	7.68	NS	0.380	0.546	0.421	4.47	ND
20.00	18.97	19.42	34.90	24.84	7.05	94.12	0.89	3.63	6.80	NS	1.573	1.090	ND	5.89	ND
25.00	23.90	19.70	35.72	25.39	6.62	94.55	0.77	2.26	4.02	NS	1.840	0.969	ND	5.59	ND
30.00	29.03	20.05	36.09	25.58	6.06	89.69	0.45	2.08	3.56	NS	1.954	0.514	ND	6.69	ND
35.00	33.99*	19.94	36.10	25.62	5.74	84.97	0.54	2.18	3.40	NS	1.949	0.421	ND	7.92	ND

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	36 M
0403-008	04/05/93	1109	28°46.78'N	90°05.16'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	15.80	4.98	2.76	9.16	67.00	0.07
1.00	19.40	31.17	22.00	7.09	88.10	0.59
1.50	19.40	31.17	22.00	7.11	89.69	1.18
2.00	19.39	31.19	22.02	8.15	89.75	1.99
2.50	19.37	31.04	21.91	8.52	89.65	2.57
3.00	19.38	31.23	22.05	9.21	89.64	2.78
3.50	19.38	31.28	22.09	9.74	89.59	2.79
4.00	19.38	31.28	22.08	9.73	89.59	2.70
4.50	19.38	31.27	22.08	9.73	89.61	2.79
5.00	19.38	31.27	22.08	9.72	89.51	2.77
5.50	19.37	31.27	22.08	9.75	89.59	2.97
6.00	19.37	31.27	22.08	9.75	89.60	3.16
6.50	19.37	31.28	22.09	9.75	89.57	3.25
7.00	19.40	31.38	22.16	10.71	89.78	3.33
7.50	19.42	31.35	22.13	9.79	90.08	3.47

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 36 M
0403-009	04/05/93	1238	28°46.68'N	90°05.53'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
2.00	19.54	31.61	22.30	9.69	91.20	2.02
2.50	19.54	31.61	22.30	9.69	91.30	1.96
3.00	19.54	31.58	22.27	9.72	91.23	1.92
3.50	19.52	31.55	22.26	9.65	91.09	1.86
4.00	19.51	31.53	22.25	9.73	90.95	1.84
4.50	19.51	31.54	22.25	9.76	90.97	1.89
5.00	19.50	31.53	22.24	9.72	90.93	1.97
5.50	19.50	31.53	22.24	9.73	90.72	2.04
6.00	19.51	31.53	22.24	9.71	91.05	2.22
6.50	19.51	31.54	22.25	9.69	90.99	2.26
7.00	19.52	31.57	22.27	9.71	91.22	2.34
7.50	19.52	31.57	22.27	9.70	91.08	2.96
8.00	19.52	31.57	22.28	9.69	91.27	3.07
8.50	19.52	31.62	22.31	9.70	91.18	2.99
9.00	19.52	31.66	22.34	9.73	91.10	2.84
9.50	19.66	32.13	22.66	9.63	91.96	2.69
10.00	19.79	32.38	22.82	9.60	92.60	2.95
10.50	19.85	32.45	22.86	9.60	93.23	2.73
11.00	19.86	32.45	22.86	9.63	93.34	2.54
11.50	19.86	32.46	22.87	9.58	93.17	2.52
12.00	19.86	32.47	22.87	9.42	93.24	2.41
12.50	19.87	32.52	22.91	9.29	93.33	2.25
13.00	19.94	32.75	23.06	9.37	93.36	2.19
13.50	19.98	32.90	23.16	9.31	93.42	2.13
14.00	20.12	33.69	23.74	9.17	93.68	2.09
14.50	20.17	34.00	23.95	9.19	94.56	1.87
15.00	20.16	34.13	24.06	9.08	94.43	1.62
15.50	20.13	34.18	24.10	8.95	94.68	1.48
16.00	20.09	34.31	24.21	8.78	94.54	1.44
16.50	20.08	34.37	24.26	8.63	94.43	1.32
17.00	20.09	34.36	24.25	8.56	94.40	1.23
17.50	20.07	34.41	24.30	8.49	94.36	1.23
18.00	20.03	34.50	24.38	8.51	94.11	1.26
18.50	19.90	34.64	24.51	8.49	93.90	1.33
19.00	19.76	34.71	24.60	8.37	94.04	1.29
19.50	19.55	34.78	24.71	8.06	94.25	1.25
20.00	19.49	35.01	24.91	7.95	94.27	1.19
20.50	19.53	35.03	24.91	7.88	94.29	1.15
21.00	19.55	35.07	24.93	7.81	94.41	1.08
21.50	19.57	35.06	24.92	7.59	94.34	0.94
22.00	19.60	35.12	24.96	7.56	94.43	0.84
22.50	19.67	35.26	25.04	7.53	94.49	0.87
23.00	19.69	35.34	25.10	7.51	94.53	0.85
23.50	19.64	35.41	25.17	7.50	94.43	0.78
24.00	19.59	35.54	25.28	7.47	94.39	0.70
24.50	19.66	35.64	25.34	7.42	94.27	0.67
25.00	19.71	35.66	25.34	7.20	94.16	0.61
25.50	19.73	35.74	25.40	6.90	94.26	0.54
26.00	20.05	36.03	25.53	6.78	93.55	0.52
26.50	20.15	36.05	25.52	6.79	92.10	0.57
27.00	20.16	36.07	25.54	6.80	91.53	0.71
27.50	20.15	36.06	25.53	6.79	90.75	0.60
28.00	20.18	36.09	25.55	6.68	90.67	0.54
28.50	20.18	36.09	25.55	6.66	90.74	0.68
29.00	20.17	36.09	25.55	6.70	90.60	0.67
29.50	20.16	36.09	25.56	6.75	90.04	0.63
30.00	20.13	36.10	25.56	6.62	88.86	0.56
35.00	19.99	36.10	25.61	6.20	82.85	0.56

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 36 M
0403-009	04/05/93	1238	28°46.68'N	90°05.53'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	1.98	19.54	31.61	22.30	9.69	91.07	1.90	14.64	15.69	1.24	ND	0.068	0.775	ND	ND
5.00	3.97	19.51	31.53	22.24	9.73	90.55	1.81	12.92	15.80	1.29	ND	ND	ND	ND	ND
10.00	8.74	19.52	31.63	22.32	9.71	91.12	2.95	7.98	9.44	NS	ND	0.076	ND	ND	ND
15.00	14.46	20.18	33.98	23.94	9.23	94.60	1.91	4.32	6.50	NS	0.312	0.111	ND	ND	ND
20.00	19.22	19.74	34.69	24.60	8.10	94.22	1.28	4.75	7.57	NS	2.313	0.431	ND	0.99	ND
25.00	23.95	19.57	35.53	25.28	7.49	94.31	0.71	3.15	5.47	NS	2.366	0.735	ND	ND	ND
30.00	28.53	20.18	36.09	25.55	6.66	90.79	0.69	2.10	3.29	NS	2.500	ND	ND	ND	ND
35.00	32.87	20.06	36.10	25.59	6.42	86.40	0.49	2.36	3.64	NS	2.646	ND	0.100	ND	ND

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:
0403-010	04/05/93	1816	28°45.18'N	90°05.84'W	37 M

COMMENT: CTD DATA LOST DUE TO PROBABLE BUG IN SEASOFT SOFTWARE.

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 37 M
0403-010	04/05/93	1816	28°45.18'N	90°05.84'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.00*	NS	NS	NS	NS	NS	NS	13.53	15.15	NS	ND	ND	1.993	ND	.332
5.00	5.00*	NS	NS	NS	NS	NS	NS	12.92	15.80	NS	ND	ND	1.971	ND	ND
10.00	10.00*	NS	NS	NS	NS	NS	NS	9.79	11.96	NS	ND	ND	2.845	ND	ND
15.00	15.00*	NS	NS	NS	NS	NS	NS	3.88	5.44	NS	0.423	ND	2.757	ND	ND
20.00	20.00*	NS	NS	NS	NS	NS	NS	3.27	5.22	NS	2.597	0.049	2.701	ND	ND
25.00	25.00*	NS	NS	NS	NS	NS	NS	2.50	4.19	NS	2.614	ND	2.358	ND	ND
30.00	30.00*	NS	NS	NS	NS	NS	NS	1.82	3.25	NS	2.630	ND	3.188	ND	ND
35.00	35.00*	NS	NS	NS	NS	NS	NS	2.77	4.79	NS	2.841	ND	1.893	ND	.002

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 37 M
0403-011	04/05/93	1155	28°43.84'N	90°08.97'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	16.23	11.61	7.72	5.68	56.63	0.16
1.00	19.23	29.37	20.66	5.22	76.49	1.48
1.50	19.19	29.25	20.59	6.00	79.84	4.54
2.00	19.21	29.18	20.53	8.11	79.99	8.26
2.50	19.23	29.48	20.75	10.00	80.21	8.82
3.00	19.23	29.54	20.80	11.18	80.26	8.72
3.50	19.28	29.62	20.85	11.15	80.44	8.65
4.00	19.32	29.72	20.91	11.18	81.09	8.61
4.50	19.37	29.87	21.02	11.13	81.61	8.56
5.00	19.48	30.25	21.27	11.11	83.10	8.28
5.50	19.54	30.43	21.40	10.99	84.80	7.65
6.00	19.65	31.30	22.03	10.88	87.92	6.85
6.50	19.75	31.61	22.25	10.70	91.04	5.05
7.00	19.80	32.00	22.53	10.26	92.54	3.49
7.50	19.83	32.19	22.67	10.14	92.90	2.73
8.00	19.86	32.28	22.73	9.90	92.96	2.25
8.50	19.89	32.31	22.75	9.73	93.01	1.94
9.00	19.91	32.39	22.80	9.64	93.02	1.73
9.50	19.95	32.64	22.98	9.58	93.56	1.55
10.00	20.01	32.82	23.09	9.49	93.62	1.55
10.50	20.05	32.95	23.19	9.45	93.58	1.52
11.00	20.18	33.96	23.92	9.23	93.77	1.24
11.50	20.28	34.70	24.46	9.11	94.17	1.05
12.00	20.32	34.92	24.62	8.62	94.56	0.95
12.50	20.33	35.13	24.77	8.42	94.92	0.87
13.00	20.32	35.15	24.79	8.39	94.93	0.79
13.50	20.33	35.17	24.81	8.30	94.75	0.76
14.00	20.33	35.18	24.81	8.24	94.76	0.79
14.50	20.33	35.18	24.81	8.25	94.77	0.70
15.00	20.33	35.20	24.83	8.15	94.67	0.70
15.50	20.31	35.25	24.87	8.15	94.72	0.64
16.00	20.26	35.29	24.92	8.16	94.77	0.62
16.50	20.23	35.31	24.94	8.10	94.59	0.83
17.00	20.22	35.33	24.96	8.02	94.66	0.80
17.50	20.25	35.39	24.99	7.98	94.65	0.90
18.00	20.22	35.45	25.05	7.97	94.55	1.05
18.50	20.18	35.47	25.07	7.90	94.55	0.93
19.00	20.06	35.51	25.14	7.89	94.11	0.82
19.50	20.04	35.57	25.19	7.83	94.40	0.84
20.00	20.06	35.58	25.19	7.64	94.31	0.88
20.50	20.05	35.65	25.25	7.56	94.31	0.86
21.00	20.05	35.66	25.25	7.51	94.31	0.84
21.50	20.15	35.75	25.30	7.42	94.33	0.80
22.00	20.17	35.79	25.32	7.37	94.05	0.80
22.50	20.16	35.82	25.35	7.28	94.32	0.78
23.00	20.15	35.83	25.35	7.28	94.09	0.79
23.50	20.17	35.85	25.37	7.26	94.16	0.79
24.00	20.18	35.85	25.37	7.22	94.05	0.83
24.50	19.97	35.92	25.47	7.25	93.29	0.87
25.00	19.54	35.93	25.59	7.32	90.95	0.88
25.50	19.50	35.89	25.57	7.16	89.46	0.81
26.00	19.53	35.88	25.56	6.37	88.98	0.74
26.50	19.50	35.89	25.57	5.93	88.85	0.67
27.00	19.48	35.90	25.58	5.87	88.79	0.66
27.50	19.47	35.89	25.58	5.84	88.95	0.66
28.00	19.47	35.90	25.58	5.80	89.03	0.66
28.50	19.47	35.90	25.59	5.75	89.09	0.70
29.00	19.47	35.90	25.59	5.76	89.29	0.72

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 37 M
0403-011	04/05/93	1155	28°43.84'N	90°08.97'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
29.50	19.47	35.90	25.59	5.70	89.27	0.68
30.00	19.50	35.92	25.60	5.73	89.86	0.66
35.00	19.42	36.04	25.71	5.99	87.66	0.86

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 37 M
0403-011	04/05/93	1155	28°43.84'N	90°08.97'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.97	19.23	29.37	20.66	5.25	78.54	1.50	28.07	32.49	NS	ND	0.200	ND	ND	ND
5.00	3.89	19.32	29.72	20.92	11.15	80.87	8.61	30.49	34.24	NS	ND	0.206	0.233	ND	ND
10.00	8.74	19.90	32.30	22.73	9.67	93.07	1.85	3.88	5.44	NS	ND	0.060	0.952	ND	ND
15.00	14.25	20.33	35.18	24.81	8.23	94.79	0.74	2.36	3.58	NS	ND	0.463	1.240	ND	ND
20.00	18.93	20.06	35.51	25.14	7.89	94.22	0.82	2.65	4.59	NS	1.223	0.725	1.661	ND	ND
25.00	23.98	20.18	35.85	25.36	7.21	94.08	0.83	2.42	3.97	NS	1.816	0.684	ND	ND	ND
30.00	29.21	19.47	35.90	25.59	5.76	89.31	0.71	2.36	4.13	NS	2.383	0.085	4.052	3.96	ND
35.00	33.91	19.40	36.03	25.71	5.99	88.45	0.77	2.56	4.13	NS	2.760	ND	3.111	2.40	0.376

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 31 M
0403-012	04/06/93	0422	28°44.32'N	90°11.80'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
2.50	18.67	27.26	19.20	8.16	82.59	6.81
3.00	18.83	28.54	20.14	9.97	82.83	6.89
3.50	19.19	29.82	21.02	10.03	82.93	6.87
4.00	19.30	30.19	21.27	10.08	84.40	6.65
4.50	19.37	30.47	21.47	10.17	85.23	6.48
5.00	19.44	30.65	21.59	10.18	85.92	6.33
5.50	19.50	30.84	21.72	10.15	87.31	5.88
6.00	19.56	31.19	21.97	10.09	88.61	5.36
6.50	19.59	31.30	22.05	10.08	89.49	5.01
7.00	19.62	31.37	22.10	9.97	90.19	4.56
7.50	19.67	31.46	22.15	9.82	91.11	4.27
8.00	19.71	31.69	22.31	9.80	92.05	3.48
8.50	19.77	31.91	22.46	9.76	92.63	3.01
9.00	19.82	32.04	22.55	9.68	92.89	2.30
9.50	19.89	32.29	22.72	9.52	93.51	1.81
10.00	19.94	32.54	22.90	9.38	93.59	1.49
10.50	19.99	32.81	23.10	9.36	94.00	1.29
11.00	20.01	32.87	23.14	9.29	93.92	1.15
11.50	20.02	33.00	23.23	9.21	94.00	1.32
12.00	20.05	33.12	23.31	9.18	93.92	1.76
12.50	20.06	33.15	23.34	9.09	94.16	1.50
13.00	20.08	33.31	23.46	9.03	94.14	1.33
13.50	20.13	33.52	23.60	9.02	94.15	1.20
14.00	20.18	33.62	23.66	8.95	94.13	1.15
14.50	20.19	33.62	23.66	8.88	93.83	1.09
15.00	20.18	33.72	23.74	8.80	93.93	1.06
15.50	20.17	34.04	23.99	8.77	94.24	1.00
16.00	20.11	34.30	24.20	8.71	94.31	1.03
16.50	20.10	34.38	24.26	8.61	94.59	0.95
17.00	20.05	34.57	24.43	8.52	94.69	0.87
17.50	20.01	34.71	24.54	8.40	94.71	0.81
18.00	19.95	34.88	24.68	8.36	94.74	0.82
18.50	19.86	35.00	24.80	8.28	94.63	0.81
19.00	19.91	34.98	24.77	8.16	94.58	0.83
19.50	19.82	35.03	24.84	7.98	94.42	0.98
20.00	19.78	35.05	24.86	7.80	94.03	1.07
20.50	19.63	35.11	24.94	7.59	93.84	1.06
21.00	19.48	35.23	25.08	7.37	93.81	1.06
21.50	19.51	35.30	25.12	7.01	93.79	1.04
22.00	19.59	35.59	25.32	6.75	93.01	1.08
22.50	20.10	35.67	25.25	6.50	91.34	1.13
23.00	20.12	35.84	25.38	6.47	90.43	1.06
23.50	20.15	35.94	25.44	6.48	89.26	1.07
24.00	20.17	35.96	25.45	6.49	88.70	0.96
24.50	20.17	35.97	25.45	6.46	88.42	0.89
25.00	20.16	35.97	25.46	6.45	88.33	0.82
25.50	20.13	35.99	25.48	6.39	88.02	0.78
26.00	20.11	35.99	25.49	6.33	87.67	0.72
26.50	20.10	35.96	25.47	6.23	87.74	0.67
27.00	20.05	35.97	25.49	6.19	86.74	0.64
27.50	20.03	35.95	25.48	6.15	84.56	0.66
28.00	20.00	35.96	25.49	6.08	81.18	0.69
28.50	19.96	35.97	25.52	5.96	78.69	0.73
29.00	19.94	35.97	25.52	5.82	77.16	0.77
29.50	19.94	35.97	25.52	5.70	76.71	0.81
30.00	19.96	35.96	25.51	5.85	78.57	0.76

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 31 M
0403-012	04/06/93	0422	28°44.32'N	90°11.80'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	2.53	18.40	27.07	19.11	10.21	82.26	6.84	31.30	35.12	10.72	5.525	0.438	ND	17.71	0.149
7.00	6.56	19.59	31.30	22.05	10.09	89.36	4.95	15.35	17.34	3.22	ND	0.087	ND	ND	.087
15.00	15.71	20.14	34.19	24.11	8.70	94.22	1.03	2.42	4.17	NS	0.140	ND	ND	2.22	0.170
22.00	21.88	19.54	35.56	25.31	6.77	93.03	1.07	3.84	6.80	NS	1.235	0.892	0.100	5.39	0.162

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 29 M
0403-013	04/06/93	0815	28°45.55'N	90°13.45'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.00*	NS	NS	NS	NS	NS	NS	19.18	23.93	NS	1.880	0.494	0.319	7.71	0.269
5.00	5.00*	NS	NS	NS	NS	NS	NS	8.08	9.66	NS	ND	0.040	ND	ND	.072
10.00	10.00*	NS	NS	NS	NS	NS	NS	4.08	5.33	NS	ND	0.031	ND	0.15	0.089
15.00	15.00*	NS	NS	NS	NS	NS	NS	3.90	6.85	NS	1.214	0.755	ND	4.29	0.108
20.00	20.00*	NS	NS	NS	NS	NS	NS	4.75	7.13	NS	1.671	1.024	ND	5.45	0.228
25.00	25.00*	NS	NS	NS	NS	NS	NS	5.05	7.13	NS	1.613	1.124	ND	6.28	0.267
29.00	29.00*	NS	NS	NS	NS	NS	NS	5.25	7.46	NS	1.697	1.040	ND	6.42	0.263

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 30 M
0403-014	04/06/93	1215	28°45.93'N	90°14.40'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	1.53*	19.60	30.79	21.80	5.55	88.26	0.76	12.92	13.83	NS	0.696	0.310	0.274	4.02	0.120
5.00	3.86	19.41	30.49	21.48	10.20	88.64	1.91	10.10	10.98	NS	0.369	0.064	0.023	2.15	0.093
10.00	9.02	19.75	32.36	22.81	9.57	93.03	1.62	5.45	6.59	NS	ND	0.050	ND	0.05	0.112
15.00	13.96	19.47	35.10	24.98	7.27	93.55	1.19	5.07	7.88	NS	1.710	1.069	ND	6.27	0.215
20.00	19.04	20.15	35.80	25.33	6.68	88.31	1.07	4.64	6.80	NS	1.783	0.815	0.707	6.13	0.304
25.00	23.94	20.24	35.87	25.36	6.42	84.45	1.03	4.14	6.15	NS	1.472	1.181	1.801	6.45	0.331
29.00	28.00*	20.23	35.87	25.36	6.38	82.97	1.04	4.85	7.24	NS	1.671	1.136	ND	6.58	0.377

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 26 M
0403-015	04/06/93	1813	28°46.22'N	90°15.48'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	1.60	19.93	31.22	21.90	9.61	90.45	2.65	8.46	8.80	NS	0.116	0.150	ND	1.29	0.116
5.00	4.25	19.94	31.26	21.93	10.31	90.50	2.73	8.32	9.29	NS	0.233	0.005	ND	1.33	0.134
10.00	9.35	19.59	31.61	22.28	10.34	91.41	2.24	6.97	8.56	NS	ND	0.153	ND	ND	.143
15.00	13.92	19.43	34.52	24.54	9.30	93.84	1.40	5.90	6.98	NS	1.846	0.905	0.274	6.13	0.298
20.00	18.81	20.16	35.84	25.36	6.93	88.07	0.98	4.44	6.59	NS	1.355	1.019	ND	6.31	0.244
26.50	25.39	20.14	35.83	25.36	6.29	85.12	0.94	4.75	6.70	NS	1.418	0.942	ND	7.26	0.285

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 26 M
0403-015	04/06/93	1813	28°46.22'N	90°15.48'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
1.50	19.93	31.22	21.90	10.01	90.30	2.48
2.00	19.93	31.22	21.90	9.89	90.38	2.43
2.50	19.93	31.23	21.91	10.23	90.42	2.47
3.00	19.94	31.25	21.92	10.28	90.37	2.45
3.50	19.95	31.26	21.92	10.30	90.66	2.42
4.00	19.94	31.26	21.93	10.31	90.61	2.73
4.50	19.93	31.26	21.93	10.29	90.20	2.65
5.00	19.93	31.27	21.94	10.27	90.51	2.69
5.50	19.93	31.27	21.94	10.30	90.19	2.61
6.00	19.93	31.27	21.94	10.32	90.49	2.45
6.50	19.93	31.27	21.94	10.24	90.44	2.39
7.00	19.92	31.28	21.95	10.27	90.69	2.38
7.50	19.89	31.32	21.99	10.29	90.60	2.29
8.00	19.77	31.42	22.09	10.29	90.78	2.31
8.50	19.69	31.47	22.15	10.26	90.90	2.28
9.00	19.61	31.52	22.21	10.33	90.66	2.20
9.50	19.59	31.61	22.29	10.32	91.41	2.24
10.00	19.60	31.70	22.35	10.26	92.17	2.11
10.50	19.61	31.81	22.43	10.26	92.14	2.17
11.00	19.63	31.95	22.53	10.24	92.25	2.20
11.50	19.66	32.04	22.59	10.09	91.42	2.15
12.00	19.74	32.41	22.85	9.95	93.03	1.97
12.50	19.80	32.74	23.09	9.78	93.50	1.79
13.00	19.85	33.20	23.43	9.67	93.64	1.64
13.50	19.60	33.96	24.08	9.48	93.69	1.49
14.00	19.43	34.55	24.57	9.26	94.03	1.39
14.50	19.42	34.85	24.80	8.85	94.04	1.27
15.00	19.42	34.94	24.87	8.26	93.95	1.20
15.50	19.47	35.11	24.98	7.81	93.97	1.19
16.00	19.53	35.24	25.07	7.48	93.85	1.16
16.50	19.56	35.30	25.10	7.33	93.73	1.14
17.00	19.82	35.53	25.22	7.19	92.88	1.10
17.50	20.18	35.81	25.34	6.99	90.25	1.05
18.00	20.21	35.84	25.35	6.91	88.88	1.02
18.50	20.20	35.83	25.35	6.86	88.25	0.99
19.00	20.19	35.83	25.35	6.93	87.91	0.99
19.50	20.20	35.85	25.36	6.85	87.21	1.00
20.00	20.20	35.84	25.35	6.79	87.02	1.00
20.50	20.19	35.84	25.36	6.75	86.87	0.97
21.00	20.18	35.84	25.36	6.66	86.49	1.03
21.50	20.18	35.83	25.35	6.59	86.47	1.05
22.00	20.16	35.83	25.36	6.56	86.29	0.99
22.50	20.16	35.83	25.36	6.47	86.03	0.95
23.00	20.16	35.83	25.36	6.43	85.93	0.93
23.50	20.15	35.83	25.36	6.43	85.70	0.91
24.00	20.14	35.83	25.36	6.36	85.39	0.92
24.50	20.14	35.83	25.36	6.32	85.27	0.94
25.00	20.14	35.83	25.36	6.28	85.21	0.93
25.50	20.14	35.83	25.36	6.26	85.08	0.93
26.00	20.14	35.83	25.36	6.21	84.74	0.92
26.50	20.14	35.83	25.36	6.18	84.14	0.97

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 21 M
0403-016	04/06/93	2259	28°46.29'N	90°17.65'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	19.52	30.48	21.44	5.55	30.17	0.42
1.00	19.59	30.22	21.23	5.54	75.77	0.63
1.50	19.59	30.98	21.80	5.61	90.01	0.90
2.00	19.60	30.95	21.78	5.88	90.82	1.28
2.50	19.60	31.03	21.84	8.07	90.86	2.08
3.00	19.60	31.08	21.88	9.63	90.87	2.34
3.50	19.60	31.01	21.83	8.60	90.85	2.35
4.00	19.59	30.98	21.81	8.54	90.99	2.58
4.50	19.60	31.05	21.86	9.55	91.09	2.50
5.00	19.61	31.14	21.92	10.25	91.06	2.40
5.50	19.61	31.15	21.93	10.19	91.09	2.57
6.00	19.61	31.15	21.93	10.20	91.10	3.03
6.50	19.61	31.18	21.95	10.22	91.13	3.00
7.00	19.62	31.19	21.96	10.22	91.04	2.84
7.50	19.62	31.21	21.97	10.21	90.99	2.64
8.00	19.62	31.25	22.00	10.21	91.09	2.60
8.50	19.63	31.31	22.04	10.21	91.20	2.63
9.00	19.63	31.36	22.09	10.19	91.32	2.80
9.50	19.64	31.60	22.27	10.13	91.41	2.48
10.00	19.65	31.82	22.43	10.06	91.80	2.48
10.50	19.65	31.87	22.47	10.01	92.02	2.23
11.00	19.65	31.93	22.51	9.93	92.22	2.10
11.50	19.68	32.30	22.79	9.75	92.77	2.19
12.00	19.69	32.49	22.93	9.72	93.11	1.97
12.50	19.69	32.62	23.03	9.60	93.22	1.75
13.00	19.64	33.67	23.84	9.34	94.01	1.42
13.50	19.40	34.20	24.31	9.01	94.09	1.17
14.00	19.31	34.68	24.70	8.38	94.15	1.09
14.50	19.25	34.95	24.92	7.88	94.17	1.00
15.00	19.29	34.99	24.94	7.71	94.06	0.99
15.50	19.51	35.14	25.00	7.08	93.92	0.99
16.00	19.63	35.32	25.11	6.98	91.37	0.93
16.50	19.73	35.54	25.25	6.79	89.49	0.92
17.00	19.72	35.56	25.26	6.69	88.40	0.92
17.50	19.72	35.56	25.27	6.57	87.64	0.91
18.00	19.70	35.57	25.27	6.14	86.77	0.95
18.50	19.70	35.57	25.28	5.89	86.26	0.93
19.00	19.70	35.58	25.28	5.81	85.42	0.92
19.50	19.70	35.59	25.29	5.73	83.85	0.94
20.00	19.70	35.59	25.29	5.56	83.35	0.94
20.50	19.70	35.59	25.29	5.50	82.71	0.95
21.00	19.70	35.59	25.29	5.47	81.59	0.98
21.50	19.70	35.59	25.29	5.42	81.06	1.00
22.00	19.70	35.59	25.29	5.39	80.04	1.07
22.50	19.70	35.59	25.29	5.39	78.78	1.11

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 21 M
0403-016	04/06/93	2259	28°46.29'N	90°17.65'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.17*	18.11	21.82	15.19	6.15	54.61	0.29	10.20	11.30	NS	ND	0.274	ND	0.31	0.114
5.00	4.03	19.59	30.98	21.81	8.41	90.88	2.57	9.49	10.76	NS	ND	0.419	ND	0.37	0.145
10.00	9.47	19.64	31.62	22.28	10.15	91.36	2.47	7.67	8.89	NS	ND	0.454	ND	0.45	0.110
15.00	13.45	19.42	34.02	24.17	9.10	94.12	1.12	3.76	5.47	NS	2.324	0.818	ND	5.59	0.190
22.00	20.88	19.70	35.59	25.29	5.48	82.40	0.95	4.64	6.91	NS	2.566	0.464	ND	10.40	0.439

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 20 M
0403-017	04/07/93	0032	28°46.98'N	90°18.98'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
12.50	19.02	0.51	-1.21	6.80	71.20	0.04
13.00	19.54	29.20	20.47	4.65	84.54	0.60
13.50	19.57	31.05	21.86	4.67	92.66	1.12
14.00	19.57	31.05	21.86	4.69	92.71	1.18
14.50	19.57	31.05	21.87	8.10	92.59	1.62
15.00	19.57	31.04	21.86	8.03	92.60	1.62
15.50	19.58	31.08	21.88	9.23	92.63	1.74
16.00	19.57	31.08	21.89	9.47	92.66	1.71
16.50	19.57	31.08	21.89	9.51	92.73	1.66
17.00	19.57	31.09	21.89	9.50	92.86	1.67
17.50	19.58	31.11	21.90	9.50	92.71	1.64
18.00	19.58	31.11	21.91	9.53	92.73	1.65
18.50	19.58	31.12	21.91	9.56	92.77	1.90
19.00	19.58	31.13	21.92	9.56	92.57	1.81
19.50	19.58	31.11	21.91	9.58	92.78	1.73
20.00	19.59	31.12	21.91	9.57	92.63	1.73
20.50	19.59	31.22	21.98	9.57	92.62	1.70
21.00	19.61	31.30	22.04	9.51	92.57	1.76
21.50	19.61	31.30	22.04	9.55	92.75	1.77
22.00	19.62	31.35	22.08	9.56	92.65	1.71
22.50	19.63	31.41	22.12	9.54	92.61	1.72
23.00	19.64	31.53	22.21	9.53	92.56	1.77
23.50	19.65	31.55	22.22	9.45	92.72	1.90
24.00	19.65	31.72	22.35	9.43	92.85	1.78
24.50	19.66	31.81	22.42	9.36	93.08	1.71
25.00	19.67	31.94	22.52	9.32	93.09	1.61
25.50	19.68	32.09	22.63	9.25	93.37	1.34
26.00	19.67	32.21	22.72	9.16	93.17	1.28
26.50	19.63	32.29	22.79	9.10	93.54	1.29
27.00	19.56	32.45	22.93	8.98	93.72	1.26
27.50	19.50	32.92	23.31	8.71	92.81	1.14
28.00	19.50	33.56	23.79	8.31	90.30	1.11
28.50	19.51	35.03	24.91	7.55	86.98	1.08
29.00	19.51	35.23	25.07	6.00	86.03	1.35
29.50	19.51	35.26	25.09	5.87	85.85	1.59
30.00	19.51	34.89	24.81	6.31	86.57	1.32

COMMENT: DATA LOST FOR 12 METERS AND ABOVE.

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 20 M
0403-017	04/07/93	0032	28°46.98'N	90°18.98'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.00*	NS	NS	NS	NS	NS	NS	6.36	8.12	NS	ND	ND	ND	0.10	0.050
5.00	5.00*	NS	NS	NS	NS	NS	NS	7.37	8.34	NS	ND	0.028	ND	0.11	0.070
10.00	10.0*	NS	NS	NS	NS	NS	NS	6.56	7.35	NS	ND	0.080	ND	0.30	0.112
15.00	14.84	19.56	31.01	21.83	6.01	92.74	1.34	4.81	7.07	NS	1.294	0.312	10.896	8.03	0.385
20.00	18.98*	19.59	31.13	21.92	9.54	92.55	1.86	5.65	9.11	NS	1.607	0.600	ND	11.39	0.285

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	393 M
0403-018	04/07/93	1002	28°37.10'N	89°48.99'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR

COMMENT: CTD DATA LOST DUE TO PROBABLE BUG IN SEASOFT SOFTWARE.

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 393 M
0403-018	04/07/93	1002	28°37.10'N	89°48.99'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.00*	NS	NS	NS	NS	NS	NS	5.35	6.59	NS	ND	0.067	0.237	ND	.041
10.00	10.00*	NS	NS	NS	NS	NS	NS	6.06	7.46	NS	ND	0.053	ND	ND	.066
20.00	20.00*	NS	NS	NS	NS	NS	NS	4.34	7.68	NS	ND	0.115	0.053	ND	.072
30.00	30.00*	NS	NS	NS	NS	NS	NS	3.94	6.70	NS	ND	0.077	ND	ND	.087
50.00	50.00*	NS	NS	NS	NS	NS	NS	3.63	6.70	NS	0.377	0.268	0.105	1.50	0.183
75.00	75.00*	NS	NS	NS	NS	NS	NS	3.59	6.19	NS	2.281	ND	ND	5.53	0.778
100.00	100.00*	NS	NS	NS	NS	NS	NS	1.03	2.24	NS	3.212	ND	0.263	7.13	1.123
150.00	150.00*	NS	NS	NS	NS	NS	NS	0.35	0.89	NS	3.017	ND	0.145	7.86	1.256

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 18 M
0403-019	04/07/93	1722	29.09.02'N	89.30.00'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
1.50	17.77	17.15	11.71	15.52	67.90	10.00
2.00	17.76	17.15	11.71	15.63	67.98	10.00
2.50	17.76	17.16	11.71	15.76	68.13	10.00
3.00	17.75	17.19	11.74	15.78	68.13	10.00
3.50	17.66	17.65	12.11	15.77	69.06	10.00
4.00	17.55	18.45	12.74	15.80	70.39	10.00
4.50	17.61	19.26	13.34	15.65	71.94	10.00
5.00	17.69	20.51	14.28	15.20	72.21	10.00
5.50	17.79	21.40	14.93	14.78	72.81	10.00
6.00	17.92	22.65	15.86	14.28	75.03	10.00
6.50	18.01	23.45	16.45	13.48	72.80	10.00
7.00	18.15	28.23	20.05	12.27	77.55	10.00
7.50	17.64	30.29	21.75	11.91	88.85	9.28
8.00	17.58	30.70	22.08	11.56	90.22	7.90
8.50	17.78	30.88	22.17	10.57	90.20	6.51
9.00	17.99	31.49	22.59	9.49	90.45	5.32
9.50	18.24	31.99	22.91	8.97	90.76	4.46
10.00	18.45	32.43	23.19	8.80	90.50	3.70
10.50	18.58	32.82	23.46	8.59	90.05	3.08
11.00	18.70	33.32	23.81	8.37	89.29	2.67
11.50	18.80	33.57	23.99	8.24	88.69	2.39
12.00	18.87	33.72	24.08	8.11	87.72	2.11
12.50	18.92	33.84	24.15	7.77	86.65	1.76
13.00	18.96	33.92	24.21	7.38	86.01	1.46
13.50	18.99	33.99	24.26	7.21	85.62	1.30
14.00	19.04	34.07	24.30	7.09	85.24	1.20
14.50	19.06	34.14	24.35	6.95	84.99	1.11
15.00	19.08	34.19	24.38	6.95	84.69	1.04
15.50	19.11	34.23	24.41	6.85	83.94	0.98
16.00	19.12	34.17	24.36	6.72	83.23	0.91
16.50	19.14	34.16	24.34	6.58	82.13	0.83
17.00	19.18	34.33	24.46	6.53	80.44	0.81
17.50	19.18	34.40	24.51	6.08	79.17	0.73

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 18 M
0403-019	04/07/93	1722	29°09.02'N	89°30.00'W	

ΓDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	1.66	17.76	17.15	11.71	15.72	NS	NS	58.56	69.15	NS	21.204	2.347	0.705	20.74	0.114
5.00	4.30	17.59	18.48	12.76	15.77	NS	NS	65.63	73.54	NS	14.063	1.857	0.449	28.41	0.142
10.00	9.46	18.20	31.92	22.87	9.01	NS	NS	10.90	17.12	NS	4.903	0.918	1.201	12.37	0.518
15.00	15.99	19.12	34.13	24.33	6.73	NS	NS	5.35	8.78	NS	4.018	0.475	1.480	14.61	0.611
18.00	16.49	19.15	34.10	24.30	6.57	NS	NS	4.04	6.91	NS	3.777	0.465	4.170	14.86	0.581

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	13
0403-020	04/07/93	2134	29.00.03'N	89.29.99'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	17.56	8.22	4.96	6.95	39.10	0.29
1.00	16.68	16.44	11.39	8.51	68.01	1.35
1.50	16.70	16.45	11.40	9.02	70.92	4.09
2.00	16.69	16.42	11.37	11.41	72.30	9.76
2.50	16.68	16.42	11.38	11.70	72.36	9.30
3.00	16.67	16.41	11.37	12.50	72.92	10.00
3.50	16.67	16.41	11.37	12.51	72.88	10.00
4.00	16.67	16.41	11.37	12.48	73.32	10.00
4.50	16.67	16.41	11.37	12.48	73.36	10.00
5.00	16.66	16.44	11.40	12.49	73.39	10.00
5.50	16.66	16.50	11.44	12.47	73.63	10.00
6.00	16.69	16.63	11.53	12.44	73.72	10.00
6.50	16.95	17.35	12.03	12.33	75.02	10.00
7.00	17.53	18.80	13.01	12.00	76.16	10.00
7.50	17.82	22.40	15.69	11.63	79.41	9.97
8.00	18.05	25.39	17.92	11.53	78.11	8.65
8.50	18.08	27.20	19.29	10.58	82.84	7.18
9.00	18.35	29.65	21.10	8.91	84.44	6.01
9.50	18.35	30.72	21.92	7.98	86.76	4.78
10.00	18.34	31.26	22.33	7.43	88.68	3.58
10.50	18.61	32.27	23.03	6.81	89.27	2.67
11.00	18.81	33.03	23.57	6.79	89.84	2.04
11.50	19.05	33.69	24.01	6.95	90.47	1.56
12.00	19.24	34.22	24.37	6.99	87.15	1.24
12.50	19.26	34.40	24.50	7.00	81.17	1.00
13.00	19.31	34.52	24.52	6.62	78.87	0.59

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 13 M
0403-020	04/07/93	2134	29°00.03'N	89°29.99'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	1.11	16.68	16.44	11.39	8.51	NS	NS	25.24	45.00	NS	25.401	2.912	2.206	25.00	1.309
4.00	3.02	16.67	16.41	11.37	12.50	NS	NS	41.40	47.19	NS	23.412	2.315	2.455	22.36	0.991
8.00	7.10	17.61	19.14	13.26	11.97	NS	NS	14.84	12.40	NS	9.283	1.374	7.742	20.03	0.201
12.00	11.01*	18.80	33.03	23.57	6.79	NS	NS	2.36	5.44	NS	3.879	0.824	2.156	11.56	0.668

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	18
0403-21	04/08/93	0626	29.00.99'N	89.35.00'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	16.67	15.85	10.94	7.08	62.09	1.56
1.00	16.67	16.62	11.53	6.91	72.73	2.83
1.50	16.68	16.30	11.29	7.92	73.03	4.21
2.00	16.67	16.51	11.45	9.82	73.29	6.57
2.50	16.67	16.53	11.46	10.23	73.40	6.82
3.00	16.68	16.57	11.49	10.70	73.48	6.88
3.50	16.69	16.67	11.57	11.10	73.64	6.74
4.00	16.72	16.69	11.58	10.98	74.17	6.69
4.50	16.71	17.26	12.01	10.99	75.34	6.62
5.00	16.69	17.26	12.02	11.04	75.42	6.54
5.50	17.16	17.08	11.78	10.75	74.82	6.45
6.00	17.54	16.98	11.62	10.61	77.09	6.51
6.50	17.62	21.67	15.18	10.27	81.73	6.38
7.00	17.70	22.82	16.04	9.79	83.31	6.15
7.50	17.74	23.67	16.68	9.61	83.91	5.84
8.00	17.84	24.30	17.13	9.52	85.25	5.41
8.50	17.88	26.47	18.78	9.26	86.37	4.69
9.00	17.94	27.82	19.80	9.19	88.05	3.99
9.50	17.98	28.61	20.39	9.16	89.92	3.47
10.00	18.06	30.33	21.68	8.86	89.97	2.55
10.50	18.24	31.45	22.50	8.30	89.89	1.88
11.00	18.45	32.04	22.90	7.80	89.83	1.55
11.50	18.54	32.95	23.57	7.49	89.08	1.33
12.00	18.80	33.84	24.18	6.50	89.41	1.01

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 18 M
0403-021	04/08/93	0626	29°00.99'N	89°35.00'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.97	16.67	16.62	11.53	6.94	NS	NS	30.90	33.37	NS	27.241	1.915	3.430	22.22	0.425
4.00	3.87	16.69	16.68	11.57	11.09	NS	NS	30.49	32.93	NS	26.113	1.856	2.589	20.94	0.437
8.00	5.96	17.47	16.98	11.64	10.60	NS	NS	24.03	32.49	NS	5.869	1.025	7.060	13.40	0.238
11.50	10.54*	18.29	31.32	22.39	8.43	NS	NS	7.92	10.95	NS	5.046	1.101	1.429	12.91	0.497

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	70
0403-022	04/10/93	0813	28.51.45'N	89.34.53'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	17.91	24.79	17.49	6.73	57.65	0.50
1.00	18.22	24.96	17.55	6.62	65.87	1.13
1.50	18.37	25.47	17.90	7.89	66.56	4.01
2.00	18.39	25.47	17.90	8.13	66.53	4.17
2.50	18.29	25.35	17.83	8.63	66.08	4.05
3.00	18.44	25.62	18.00	8.57	67.49	3.97
3.50	18.56	25.41	17.82	8.85	69.47	5.14
4.00	18.99	26.16	18.29	8.76	72.66	5.01
4.50	19.44	27.82	19.44	8.60	75.04	4.80
5.00	19.66	29.56	20.70	8.55	80.23	4.14
5.50	19.64	30.33	21.30	8.49	80.83	3.41
6.00	19.92	31.60	22.19	8.31	81.10	2.94
6.50	20.48	32.83	22.98	8.01	84.40	2.54
7.00	20.74	33.67	23.55	7.86	88.20	1.80
7.50	20.89	34.49	24.13	7.80	89.48	1.23
8.00	21.08	35.46	24.83	7.76	89.94	0.99
8.50	21.09	35.64	24.96	7.83	90.67	0.83
9.00	21.09	35.64	24.96	7.90	90.69	0.69
9.50	21.09	35.29	24.70	8.07	90.74	0.51
10.00	21.10	35.19	24.61	8.08	90.82	0.39
10.50	21.10	35.69	24.99	8.01	90.94	0.34
11.00	21.10	35.78	25.06	8.03	91.07	0.32
11.50	21.10	35.60	24.92	8.11	90.99	0.28
12.00	21.10	35.58	24.91	8.08	90.76	0.25
12.50	21.12	35.65	24.96	8.08	91.31	0.23
13.00	21.12	35.74	25.02	8.07	91.51	0.22
13.50	21.12	35.67	24.97	8.08	91.26	0.23
14.00	21.13	35.51	24.84	8.02	91.26	0.22
14.50	21.14	35.59	24.90	8.13	91.24	0.21
15.00	21.14	35.67	24.97	8.11	91.21	0.20
15.50	21.14	35.60	24.91	8.10	91.40	0.20
16.00	21.14	35.75	25.03	8.10	91.53	0.19
16.50	21.14	35.85	25.10	8.07	91.55	0.19
17.00	21.14	35.83	25.09	8.04	91.67	0.19
17.50	21.14	35.77	25.05	8.16	91.34	0.19
18.00	21.15	35.82	25.08	8.10	91.40	0.19
18.50	21.15	35.79	25.06	8.07	91.76	0.19
19.00	21.15	35.92	25.15	8.09	91.72	0.18
19.50	21.15	35.94	25.17	8.13	91.57	0.18
20.00	21.15	35.91	25.15	8.09	91.40	0.19
20.50	21.15	35.94	25.17	8.12	91.38	0.18
21.00	21.15	35.97	25.19	8.14	91.85	0.18
21.50	21.14	36.00	25.22	8.11	91.66	0.18
22.00	21.15	36.00	25.22	8.10	91.67	0.17
22.50	21.15	36.00	25.22	8.11	91.60	0.17
23.00	21.15	35.99	25.21	8.11	91.59	0.18
23.50	21.14	36.03	25.24	8.12	91.64	0.17
24.00	21.13	36.04	25.25	8.12	91.72	0.18
24.50	21.11	36.04	25.25	8.14	91.71	0.17
25.00	21.10	36.04	25.26	8.09	91.51	0.17
25.50	21.08	36.06	25.28	8.13	91.87	0.17
26.00	21.06	36.07	25.29	8.15	91.88	0.17
26.50	21.05	36.07	25.30	8.16	91.84	0.17

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	70
0403-022	04/10/93	0813	28.51.45'N	89.34.53'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
27.00	21.04	36.07	25.30	8.12	91.96	0.17
27.50	21.03	36.08	25.31	8.12	91.96	0.17
28.00	21.01	36.09	25.32	8.10	91.99	0.17
28.50	21.00	36.09	25.32	8.15	91.92	0.17
29.00	20.87	36.15	25.41	8.21	91.87	0.17
29.50	20.79	36.16	25.44	8.18	92.08	0.17
30.00	20.69	36.16	25.47	8.20	91.74	0.18
30.00	20.69	36.17	25.47	8.19	91.94	0.18
35.00	19.95	36.26	25.73	8.30	92.09	0.19
40.00	19.74	36.21	25.76	8.31	92.31	0.19
45.00	19.58	36.17	25.77	8.28	92.47	0.20
50.00	19.44	36.19	25.82	8.14	92.36	0.21
55.00	19.30	36.20	25.86	7.74	91.97	0.20
60.00	19.15	36.21	25.91	7.39	91.33	0.20
65.00	19.07	36.25	25.96	6.93	90.43	0.20

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 70 M
0403-022	04/10/93	0813	28°51.45'N	89°34.53'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.65	18.18	24.79	17.43	6.64	NS	NS	27.26	32.93	NS	14.381	1.385	3.764	25.77	0.355
5.00	3.90	18.90	25.61	17.89	8.80	NS	NS	13.33	15.80	NS	7.988	0.975	2.202	14.98	0.457
10.00	9.10	21.09	35.64	24.96	7.91	NS	NS	0.50	1.08	NS	ND	0.146	0.603	ND	.124
15.00	14.27	21.14	35.44	24.80	8.09	NS	NS	0.32	0.66	NS	ND	0.126	1.860	ND	.112
20.00	18.97	21.15	35.92	25.16	8.09	NS	NS	0.30	0.61	NS	ND	0.128	5.155	ND	.206
25.00	24.54	21.11	36.04	25.25	8.12	NS	NS	0.30	0.66	NS	ND	0.094	2.321	ND	.070
30.00	29.87	20.71	36.16	25.46	8.22	NS	NS	0.34	0.70	NS	ND	0.071	1.451	ND	.082
40.00	39.32	19.74	36.18	25.73	8.31	NS	NS	0.38	0.92	NS	ND	0.101	4.054	ND	.140
50.00	49.01	19.50	36.18	25.80	8.15	NS	NS	0.36	0.72	NS	ND	0.360	8.845	0.25	0.377
69.50	68.47	18.89	36.30	26.05	6.46	NS	NS	0.48	1.12	NS	4.082	0.968	6.502	8.03	0.576

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-023	04/10/93	1207	28.51.89'N	89.36.90'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	18.36	24.88	17.46	5.08	8.48	0.15
1.00	18.40	24.88	17.45	5.06	44.61	0.55
1.50	18.39	24.89	17.46	8.49	71.34	5.51
2.00	18.40	24.88	17.45	8.52	71.44	5.74
2.50	18.41	24.97	17.52	9.14	72.28	6.14
3.00	18.37	24.73	17.34	9.17	71.69	6.09
3.50	18.37	24.73	17.34	9.15	71.49	5.98
4.00	18.37	24.68	17.30	9.19	71.83	5.83
4.50	18.44	24.68	17.28	9.16	72.91	5.73
5.00	18.75	26.09	18.29	8.98	75.55	5.77
5.50	18.81	26.53	18.61	8.99	76.18	5.70
6.00	18.83	26.68	18.72	8.99	76.20	5.58
6.50	18.86	26.81	18.81	8.84	76.36	5.48
7.00	18.91	26.95	18.91	8.76	76.23	5.43
7.50	18.93	26.89	18.85	8.67	75.84	5.12
8.00	18.91	27.03	18.97	8.59	76.46	4.77
8.50	19.07	28.18	19.80	8.47	78.35	4.57
9.00	19.31	29.53	20.77	8.40	82.05	4.23
9.50	19.89	31.63	22.23	8.18	82.91	3.79
10.00	20.15	33.28	23.41	8.05	81.78	3.25
10.50	20.10	32.99	23.21	7.91	82.90	2.32
11.00	20.42	33.98	23.87	7.43	83.51	1.55
11.50	20.68	34.74	24.38	7.36	84.70	1.25
12.00	20.80	35.00	24.55	7.32	85.68	1.04
12.50	20.94	35.26	24.71	7.34	86.97	0.89
13.00	21.02	35.37	24.77	7.35	88.17	0.79
13.50	21.10	35.42	24.79	7.44	88.99	0.70
14.00	21.05	35.41	24.79	7.62	88.98	0.53
14.50	21.14	35.60	24.91	7.71	89.80	0.41
15.00	21.14	35.67	24.97	7.77	90.29	0.39
15.50	21.14	35.71	25.00	7.73	90.40	0.35
16.00	21.15	35.69	24.98	7.80	90.97	0.32
16.50	21.16	35.70	24.99	7.85	91.38	0.29
17.00	21.16	35.84	25.09	7.84	91.29	0.27
17.50	21.16	35.79	25.05	7.87	91.26	0.26
18.00	21.17	35.74	25.01	7.94	91.09	0.24
18.50	21.18	35.89	25.13	7.96	91.23	0.23
19.00	21.18	35.93	25.15	7.98	91.15	0.22
19.50	21.18	35.94	25.16	7.94	91.14	0.21
20.00	21.18	35.95	25.17	7.94	91.06	0.20
20.50	21.18	35.94	25.16	7.94	91.41	0.20
21.00	21.18	35.90	25.13	8.01	90.97	0.19
21.50	21.18	35.95	25.17	7.98	91.59	0.19
22.00	21.18	35.98	25.19	7.96	91.30	0.20
22.50	21.18	35.98	25.20	8.00	91.15	0.20
23.00	21.18	35.98	25.19	8.04	90.96	0.19
23.50	21.18	35.95	25.17	8.01	91.43	0.19
24.00	21.18	35.94	25.16	8.01	91.67	0.18
24.50	21.17	35.99	25.20	8.05	91.39	0.18
25.00	21.18	36.00	25.21	8.04	91.58	0.19
25.50	21.19	36.00	25.21	8.04	91.87	0.19
26.00	21.20	35.99	25.19	8.02	91.73	0.19
26.50	21.22	36.00	25.20	8.03	91.78	0.19

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 68
0403-023	04/10/93	1207	28.51.89'N	89.36.90'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
ɔ7.oo	ɔ1.ɔɔ	36.03	ɔɔ.ɔɔ	8.04	91.84	0.19
27.50	21.23	36.04	25.22	8.04	91.44	0.18
28.00	21.22	36.02	25.21	8.01	91.49	0.18
28.50	21.21	36.00	25.20	8.06	91.67	0.18
29.00	21.19	36.06	25.25	8.03	91.76	0.17
29.50	21.18	36.08	25.27	8.05	91.66	0.17
30.00	21.18	36.09	25.28	8.01	91.36	0.17
30.00	21.16	36.07	25.27	8.05	91.62	0.17
35.00	20.51	36.22	25.56	8.17	92.16	0.17
40.00	19.67	36.24	25.79	8.26	92.68	0.19
45.00	19.48	36.20	25.82	8.12	93.00	0.20
50.00	19.35	36.20	25.85	7.90	92.71	0.18
55.00	19.26	36.20	25.87	7.57	92.08	0.19
60.00	19.21	36.21	25.89	7.25	91.46	0.18
65.00	19.16	36.23	25.93	6.66	89.41	0.20

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 68 M
0403-023	04/10/93	1207	28°51.89'N	89°36.90'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	1.54*	18.41	24.94	17.49	8.27	NS	NS	10.92	13.42	9.48	20.466	1.381	1.778	26.45	0.793
5.00	4.32	18.37	24.68	17.30	9.21	NS	NS	18.04	22.71	NS	15.760	1.310	1.986	27.21	0.387
10.00	8.85	19.23	29.19	20.53	8.44	NS	NS	2.56	3.92	NS	3.066	0.938	0.714	6.71	0.471
15.00	13.43	21.10	35.42	24.79	7.39	NS	NS	0.55	1.32	2.61	0.087	0.137	0.878	0.19	0.144
20.00	19.12	21.18	35.94	25.16	8.01	NS	NS	0.40	1.11	NS	ND	0.114	5.624	ND	.202
25.00	23.64	21.18	35.95	25.17	8.02	NS	NS	0.38	0.90	NS	ND	0.105	4.940	ND	.067
30.00	28.92	21.19	36.06	25.25	8.03	NS	NS	0.33	0.77	NS	ND	0.140	3.809	ND	.076
40.00	39.03	19.67	36.21	25.77	8.27	NS	NS	0.33	0.75	NS	ND	0.144	0.900	ND	.096
50.00	49.01	19.37	36.18	25.83	7.99	NS	NS	0.38	0.77	NS	0.667	0.828	4.954	1.29	0.194
68.50	67.55*	19.08	36.24	25.95	6.26	NS	NS	0.36	0.90	NS	3.395	0.858	7.409	6.05	0.477

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-024	04/10/93	1453	28.52.07'N	89.37.37'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
1.50	18.94	21.68	14.88	10.51	73.63	2.73
2.00	18.92	21.68	14.89	10.58	73.53	2.75
2.50	18.73	21.92	15.12	10.29	73.93	2.73
3.00	18.59	22.00	15.22	10.28	74.52	2.74
3.50	18.09	22.34	15.59	10.35	74.18	2.73
4.00	18.05	23.43	16.43	10.25	73.69	2.88
4.50	18.55	25.30	17.73	9.90	74.85	3.25
5.00	18.63	25.85	18.13	9.77	76.41	3.76
5.50	18.77	26.31	18.44	9.70	77.84	4.36
6.00	18.88	27.02	18.96	9.23	78.33	4.54
6.50	19.10	28.17	19.79	8.81	80.27	4.33
7.00	19.37	29.23	20.53	8.63	84.35	3.91
7.50	19.71	30.42	21.35	8.42	83.93	3.28
8.00	20.13	31.67	22.19	8.23	83.66	2.63
8.50	20.38	33.21	23.30	7.96	84.10	2.14
9.00	20.42	33.98	23.87	7.82	83.81	1.81
9.50	20.42	34.44	24.23	7.81	83.41	1.55
10.00	20.41	34.59	24.34	7.82	84.87	1.24
10.50	20.45	34.27	24.09	7.69	85.57	0.90
11.00	20.51	34.94	24.58	7.61	86.02	0.70
11.50	20.57	35.09	24.68	7.62	85.88	0.65
12.00	20.64	35.14	24.70	7.60	86.01	0.59
12.50	20.71	35.12	24.66	7.61	86.57	0.50
13.00	20.75	35.13	24.66	7.61	86.70	0.44
13.50	20.91	35.37	24.80	7.63	87.47	0.40
14.00	20.98	35.46	24.85	7.63	88.19	0.38
14.50	21.06	35.53	24.88	7.57	89.07	0.37
15.00	21.08	35.51	24.87	7.60	89.61	0.35
15.50	21.05	35.52	24.88	7.78	89.37	0.32
16.00	21.09	35.48	24.84	7.88	89.74	0.30
16.50	21.09	35.57	24.91	7.86	89.76	0.28
17.00	21.08	35.54	24.89	7.89	89.99	0.28
17.50	21.08	35.55	24.89	7.91	90.21	0.27
18.00	21.08	35.59	24.92	7.88	90.09	0.27
18.50	21.08	35.61	24.93	7.85	90.25	0.27
19.00	21.08	35.60	24.93	7.91	90.14	0.27
19.50	21.08	35.57	24.91	7.92	89.95	0.26
20.00	21.08	35.58	24.92	7.95	90.22	0.26
20.50	21.08	35.58	24.91	7.94	90.31	0.26
21.00	21.08	35.63	24.95	7.93	90.24	0.25
21.50	21.08	35.65	24.97	7.96	90.60	0.25
22.00	21.07	35.67	24.98	7.98	90.50	0.24
22.50	21.09	35.69	25.00	7.96	91.01	0.24
23.00	21.09	35.69	25.00	7.99	91.10	0.23
23.50	21.09	35.69	25.00	8.01	91.12	0.22
24.00	21.09	35.75	25.04	8.05	91.40	0.22
24.50	21.09	35.78	25.06	8.01	91.50	0.22
25.00	21.08	35.79	25.08	8.07	91.42	0.22
25.50	21.09	35.82	25.10	8.04	91.60	0.21
26.00	21.13	35.88	25.13	8.00	91.91	0.21
26.50	21.14	35.92	25.15	8.09	91.73	0.20
27.00	21.15	35.93	25.16	8.13	91.86	0.20
27.50	21.17	35.94	25.16	8.09	91.84	0.20

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-024	04/10/93	1453	28.52.07'N	89.37.37'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
28.00	21.18	35.95	25.17	8.09	91.76	0.19
28.50	21.20	35.96	25.17	8.10	91.85	0.19
29.00	21.21	35.97	25.18	8.09	91.72	0.19
29.50	21.22	35.98	25.18	8.11	91.63	0.19
30.00	21.21	35.98	25.19	8.11	91.68	0.19
35.00	21.23	36.06	25.24	8.14	91.85	0.17
40.00	20.63	36.20	25.51	8.36	92.21	0.18

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-025	04/10/93	1526	28.52.08'N	89.37.50'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
1.50	18.70	17.94	12.10	10.77	69.43	6.01
2.00	18.40	19.69	13.50	10.74	68.21	6.11
2.50	18.30	23.15	16.16	10.53	71.79	6.52
3.00	18.29	23.28	16.26	10.43	70.87	6.53
3.50	18.31	23.57	16.47	10.38	71.72	6.50
4.00	18.30	24.36	17.08	10.28	72.90	6.51
4.50	18.47	25.54	17.94	10.02	74.37	6.52
5.00	18.75	27.11	19.06	9.76	75.61	6.45
5.50	18.97	28.45	20.03	9.47	77.47	6.18
6.00	19.23	29.62	20.86	9.28	79.40	5.87
6.50	19.60	30.93	21.76	9.07	83.81	5.30
7.00	20.16	32.79	23.04	8.71	84.05	4.64
7.50	20.46	33.98	23.87	8.43	84.57	4.15
8.00	20.49	34.42	24.19	8.18	84.07	3.71
8.50	20.50	34.61	24.33	8.05	83.78	3.30
9.00	20.53	34.84	24.49	7.97	83.12	2.94
9.50	20.52	34.96	24.60	7.95	83.19	2.62
10.00	20.62	35.06	24.65	7.87	83.81	2.33
10.50	20.65	35.11	24.67	7.84	84.54	2.14
11.00	20.70	35.16	24.70	7.76	84.93	1.97
11.50	20.80	35.22	24.72	7.70	86.15	1.71
12.00	20.84	35.29	24.75	7.65	86.54	1.47
12.50	20.88	35.32	24.78	7.69	87.19	1.29
13.00	20.90	35.35	24.79	7.74	87.83	1.14
13.50	20.92	35.39	24.82	7.77	88.41	1.00
14.00	20.93	35.41	24.83	7.77	88.91	0.92
14.50	20.94	35.42	24.84	7.76	89.17	0.84
15.00	20.94	35.44	24.84	7.81	89.31	0.77
15.50	20.94	35.44	24.85	7.88	89.38	0.71
16.00	20.95	35.46	24.86	7.91	89.74	0.66
16.50	20.96	35.47	24.86	7.92	90.36	0.61
17.00	20.97	35.48	24.88	7.90	90.72	0.56
17.50	20.98	35.51	24.89	7.89	91.07	0.51
18.00	20.99	35.53	24.90	7.92	91.24	0.48
18.50	21.00	35.55	24.92	7.92	91.27	0.45
19.00	21.01	35.58	24.93	7.91	91.21	0.42
19.50	21.05	35.64	24.97	7.89	91.24	0.39
20.00	21.06	35.67	24.99	7.92	91.41	0.37
20.50	21.09	35.71	25.01	7.94	91.65	0.35
21.00	21.08	35.72	25.02	7.96	91.64	0.33
21.50	21.08	35.75	25.04	7.96	91.80	0.31
22.00	21.08	35.78	25.07	7.95	91.69	0.30
22.50	21.10	35.83	25.10	7.94	91.55	0.29
23.00	21.14	35.89	25.14	7.93	91.91	0.28
23.50	21.14	35.91	25.15	7.94	92.03	0.27
24.00	21.15	35.92	25.16	7.98	92.12	0.26
24.50	21.15	35.93	25.16	8.01	91.96	0.25
25.00	21.16	35.93	25.16	8.00	91.96	0.24
25.50	21.16	35.93	25.16	8.00	92.17	0.24
26.00	21.17	35.94	25.16	8.01	92.20	0.23

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 68
0403-025	04/10/93	1526	28.52.08'N	89.37.50'W	

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
26.50	21.18	35.94	25.16	8.01	92.14	0.22
27.00	21.20	35.96	25.17	7.98	92.07	0.22
27.50	21.21	35.97	25.17	8.00	91.89	0.21
28.00	21.22	35.98	25.18	8.00	91.98	0.21
28.50	21.23	35.99	25.19	7.99	92.00	0.20
29.00	21.23	36.00	25.19	7.98	91.86	0.20
29.50	21.24	36.00	25.19	7.97	91.93	0.20
30.00	21.23	36.00	25.20	8.02	91.84	0.20
30.00	21.22	36.01	25.20	7.99	91.90	0.20
35.00	21.23	36.07	25.25	8.00	91.91	0.18
40.00	20.76	36.18	25.46	8.44	92.40	0.20

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-026	04/10/93	1553	28.52.05'N	89.37.49'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
1.50	17.96	20.81	14.45	10.78	69.38	8.06
2.00	17.86	21.07	14.67	10.75	69.53	8.39
2.50	17.76	21.39	14.93	10.79	70.90	8.53
3.00	18.01	22.59	15.79	10.53	72.64	8.36
3.50	18.23	24.14	16.93	10.34	73.57	8.11
4.00	18.48	25.43	17.85	10.20	75.28	7.84
4.50	18.60	26.17	18.38	10.12	75.77	7.63
5.00	18.77	27.10	19.06	9.83	77.35	7.37
5.50	19.00	28.37	19.96	9.56	78.57	6.99
6.00	19.38	30.04	21.14	9.16	82.59	6.44
6.50	19.70	31.37	22.08	8.82	84.62	5.77
7.00	19.99	32.56	22.91	8.54	84.66	5.16
7.50	20.31	33.64	23.65	8.26	85.26	4.61
8.00	20.44	34.13	23.98	8.13	85.50	4.10
8.50	20.55	34.66	24.36	8.02	84.60	3.66
9.00	20.63	34.86	24.49	7.97	84.14	3.25
9.50	20.65	34.91	24.52	7.92	83.95	2.89
10.00	20.69	35.02	24.59	7.89	84.23	2.51
10.50	20.75	35.14	24.68	7.84	84.69	2.17
11.00	20.76	35.18	24.70	7.80	85.02	1.89
11.50	20.80	35.21	24.71	7.78	85.24	1.66
12.00	20.82	35.24	24.73	7.74	85.24	1.50
12.50	20.83	35.27	24.74	7.74	85.69	1.36
13.00	20.87	35.33	24.78	7.74	85.86	1.23
13.50	20.91	35.39	24.82	7.74	86.59	1.12
14.00	20.91	35.41	24.84	7.73	88.26	1.01
14.50	20.90	35.42	24.84	7.79	89.34	0.93
15.00	20.90	35.42	24.84	7.79	89.69	0.84
15.50	20.89	35.42	24.85	7.84	90.18	0.75
16.00	20.89	35.42	24.85	7.85	90.26	0.68
16.50	20.89	35.42	24.85	7.85	90.17	0.62
17.00	20.90	35.44	24.86	7.92	90.12	0.57
17.50	20.90	35.45	24.87	7.89	90.36	0.54
18.00	20.91	35.46	24.87	7.93	90.57	0.50
18.50	20.91	35.47	24.88	7.92	90.77	0.47
19.00	20.93	35.52	24.91	7.91	91.08	0.44
19.50	20.97	35.57	24.94	7.93	91.34	0.42
20.00	21.01	35.63	24.97	7.89	91.41	0.40
20.50	21.05	35.68	25.00	7.91	91.84	0.37
21.00	21.09	35.72	25.03	7.87	92.00	0.35
21.50	21.08	35.76	25.05	7.90	92.09	0.32
22.00	21.08	35.81	25.09	7.92	92.20	0.31
22.50	21.11	35.88	25.14	7.95	92.24	0.29
23.00	21.13	35.91	25.15	7.97	92.39	0.28
23.50	21.13	35.92	25.16	7.99	92.38	0.27
24.00	21.14	35.93	25.16	7.97	92.29	0.27
24.50	21.15	35.94	25.17	8.02	92.34	0.26
25.00	21.16	35.94	25.17	8.00	92.36	0.25
25.50	21.17	35.94	25.17	8.04	92.24	0.25
26.00	21.18	35.95	25.17	7.99	92.26	0.23
26.50	21.19	35.95	25.17	8.03	92.27	0.23
27.00	21.20	35.95	25.17	7.99	92.12	0.22
27.50	21.20	35.95	25.17	8.00	91.84	0.23

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-027	04/10/93	1615	28.52.09'N	89.37.59'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	19.11	16.56	10.96	6.01	-22.61	0.48
1.00	18.15	19.92	13.73	5.95	63.15	1.38
1.50	17.98	20.40	14.13	9.12	70.26	7.42
2.00	17.82	20.82	14.49	9.60	71.12	8.28
2.50	17.77	21.45	14.98	9.37	72.24	8.11
3.00	17.77	22.00	15.40	9.26	72.70	7.74
3.50	17.85	22.35	15.65	8.81	72.82	7.52
4.00	18.17	22.80	15.92	9.13	74.69	7.37
4.50	18.52	24.72	17.30	9.12	76.33	6.90
5.00	18.77	25.61	17.92	8.58	78.18	5.74
5.50	19.06	27.65	19.40	8.17	79.18	4.22
6.00	19.41	28.92	20.28	7.93	83.92	3.26
6.50	19.69	30.16	21.15	7.77	85.41	2.17
7.00	19.90	31.48	22.11	7.60	85.68	1.45
7.50	20.33	32.71	22.93	7.46	86.15	1.02
8.00	20.52	33.69	23.63	7.46	86.19	0.74
8.50	20.64	33.92	23.77	7.40	85.90	0.58
9.00	20.71	33.55	23.47	7.44	86.01	0.49
9.50	20.76	33.94	23.76	7.43	86.08	0.46
10.00	20.80	34.07	23.84	7.41	86.75	0.42
10.50	20.79	34.19	23.93	7.46	87.02	0.41
11.00	20.81	34.50	24.17	7.48	87.93	0.40
11.50	20.81	34.59	24.23	7.50	88.85	0.38
12.00	20.85	34.96	24.51	7.63	89.80	0.34
12.50	20.86	34.97	24.51	7.60	89.91	0.34
13.00	20.85	35.26	24.74	7.63	89.95	0.32
13.50	20.86	35.35	24.80	7.70	90.22	0.31
14.00	20.88	35.38	24.82	7.69	90.41	0.29
14.50	20.88	35.39	24.83	7.69	90.47	0.28
15.00	20.87	35.42	24.85	7.73	90.62	0.27
15.50	20.87	35.42	24.85	7.75	90.68	0.27
16.00	20.87	35.42	24.85	7.77	90.85	0.26
16.50	20.87	35.47	24.89	7.77	91.05	0.26
17.00	20.87	35.47	24.89	7.76	91.29	0.27
17.50	20.88	35.48	24.90	7.80	91.30	0.26
18.00	20.90	35.50	24.90	7.83	91.58	0.25
18.50	20.95	35.59	24.96	7.82	91.82	0.23
19.00	21.03	35.56	24.92	7.86	92.17	0.21
19.50	21.04	35.66	24.99	7.89	92.20	0.21
20.00	21.05	35.77	25.07	7.88	92.33	0.20
20.50	21.11	35.69	24.99	7.90	92.61	0.20
21.00	21.09	35.88	25.14	7.92	92.52	0.19
21.50	21.12	35.86	25.12	7.96	92.62	0.20
22.00	21.11	35.91	25.16	7.95	92.56	0.19
22.50	21.12	35.92	25.16	7.95	92.64	0.18
23.00	21.13	35.93	25.17	7.96	92.58	0.18
23.50	21.13	35.94	25.18	7.94	92.62	0.17
24.00	21.15	35.93	25.16	7.97	92.54	0.17
24.50	21.16	35.93	25.16	7.99	92.47	0.17
25.00	21.18	35.95	25.17	7.98	92.51	0.17
25.50	21.18	35.96	25.18	7.96	92.42	0.17
26.00	21.20	35.97	25.18	8.00	92.54	0.17
26.50	21.20	35.97	25.18	7.99	92.40	0.17

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-026	04/10/93	1553	28.52.05'N	89.37.49'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
28.00	21.21	35.96	25.17	7.99	92.08	0.22
28.50	21.22	35.97	25.17	7.99	92.12	0.21
29.00	21.23	35.99	25.18	7.99	92.08	0.21
29.50	21.24	36.00	25.19	7.97	91.96	0.21
30.00	21.24	36.00	25.20	7.94	91.70	0.21
30.00	21.23	36.00	25.20	7.98	91.97	0.20
35.00	21.22	36.09	25.26	7.99	92.05	0.18
40.00	20.65	36.19	25.50	8.06	92.48	0.18

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-027	04/10/93	1615	28.52.09'N	89.37.59'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
27.00	21.21	35.98	25.18	7.94	92.24	0.18
27.50	21.21	35.99	25.19	7.95	92.33	0.18
28.00	21.21	35.98	25.18	7.99	92.23	0.18
28.50	21.21	35.98	25.18	7.97	92.37	0.17
29.00	21.22	35.98	25.18	7.96	92.27	0.17
29.50	21.22	36.01	25.20	7.97	92.25	0.17
30.00	21.23	36.02	25.21	7.95	92.12	0.17
30.00	21.23	36.02	25.21	7.96	92.18	0.17
35.00	21.22	36.10	25.27	7.95	92.34	0.17
40.00	20.88	36.19	25.43	8.65	92.66	0.19

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	67
0403-028	04/10/93	1803	28.51.66'N	89.37.26'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	19.04	15.50	10.18	7.41	60.87	0.99
1.00	18.65	17.89	12.08	7.29	70.44	1.90
1.50	18.45	19.61	13.42	9.95	73.36	4.47
2.00	18.37	19.91	13.67	10.19	73.63	4.67
2.50	17.81	20.38	14.16	11.14	71.40	5.82
3.00	17.82	20.67	14.37	10.79	72.05	6.30
3.50	18.38	20.98	14.48	10.47	75.72	6.04
4.00	18.25	22.11	15.38	10.43	76.87	5.31
4.50	18.13	22.79	15.92	10.53	75.92	4.88
5.00	18.25	23.25	16.24	10.15	75.62	4.92
5.50	18.56	24.69	17.26	9.55	76.36	5.27
6.00	18.84	26.33	18.45	9.27	78.59	5.31
6.50	19.06	27.41	19.22	9.10	82.31	4.87
7.00	19.27	28.52	20.01	8.62	85.62	3.91
7.50	19.49	29.63	20.80	8.19	86.32	3.09
8.00	19.65	30.46	21.39	8.04	86.63	2.61
8.50	19.87	30.13	21.08	7.92	87.36	2.03
9.00	19.90	29.55	20.63	7.96	87.29	1.57
9.50	20.05	31.09	21.77	7.79	88.09	1.31
10.00	20.54	33.06	23.14	7.55	87.54	1.11
10.50	20.64	33.40	23.38	7.56	88.52	0.89
11.00	20.66	33.69	23.59	7.60	90.34	0.68
11.50	20.66	34.50	24.21	7.77	91.15	0.54
12.00	20.67	34.47	24.18	7.82	91.49	0.46
12.50	20.67	34.85	24.47	7.81	91.47	0.41
13.00	20.66	35.03	24.61	7.79	91.47	0.36
13.50	20.66	35.02	24.60	7.79	91.82	0.32
14.00	20.66	35.00	24.59	7.82	92.10	0.29
14.50	20.66	35.09	24.66	7.80	92.12	0.27
15.00	20.65	35.21	24.75	7.84	92.21	0.26
15.50	20.65	35.08	24.65	7.83	92.34	0.25
16.00	20.65	35.20	24.74	7.92	92.40	0.23
16.50	20.65	35.44	24.92	7.94	92.62	0.18
17.00	20.66	35.45	24.93	7.97	92.67	0.17
20.50	20.71	35.53	24.98	11.57	92.88	0.24
21.00	20.72	35.55	24.99	12.06	92.82	0.23
21.50	20.73	35.53	24.97	8.73	92.81	0.21
22.00	20.75	35.53	24.97	7.93	92.82	0.19
22.50	20.77	35.62	25.03	7.79	92.76	0.19
23.00	20.79	35.66	25.06	7.75	92.83	0.18
23.50	20.82	35.68	25.07	7.73	92.76	0.18
24.00	20.84	35.67	25.05	7.71	92.76	0.18
24.50	20.86	35.67	25.04	7.82	92.80	0.17
25.00	20.88	35.72	25.08	7.66	92.88	0.17
25.50	20.89	35.76	25.10	7.53	92.87	0.17
26.00	20.91	35.77	25.10	7.41	93.01	0.17
26.50	20.94	35.74	25.08	7.35	92.80	0.17
27.00	20.96	35.71	25.05	7.51	92.89	0.17
27.50	20.99	35.78	25.09	7.41	92.98	0.16
28.00	21.01	35.83	25.13	7.20	92.93	0.16
28.50	21.04	35.84	25.13	7.04	92.98	0.16
29.00	21.08	35.80	25.09	7.05	93.03	0.16
29.50	21.11	35.74	25.03	7.18	92.90	0.15

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	67
0403-028	04/10/93	1803	28.51.66'N	89.37.26'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
30.00	21.14	35.73	25.01	7.08	92.90	0.15
30.00	21.13	35.82	25.08	6.97	92.93	0.15
35.00	21.25	36.00	25.19	6.73	92.76	0.15
40.00	20.94	36.19	25.42	7.17	92.86	0.15
45.00	20.33	36.24	25.62	7.92	92.92	0.16
50.00	19.90	36.20	25.71	8.02	92.92	0.17
55.00	19.63	36.20	25.78	7.74	92.21	0.17
60.00	19.43	36.22	25.84	7.01	91.21	0.17
65.00	19.27	36.25	25.91	6.60	90.54	0.18

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	67
0403-029	04/10/93	1907	28.51.06'N	89.37.03'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
1.50	17.83	20.01	13.87	10.95	72.86	4.29
2.00	17.88	20.28	14.07	10.72	72.63	4.48
2.50	17.81	21.09	14.69	10.52	72.55	4.77
3.00	17.77	21.47	14.99	10.48	73.25	4.90
3.50	18.22	23.43	16.39	10.16	76.06	4.56
4.00	18.54	25.54	17.92	9.88	75.89	4.51
4.50	18.56	25.98	18.25	9.80	76.78	4.73
5.00	18.63	26.23	18.42	9.80	77.20	4.83
5.50	18.88	26.84	18.82	9.58	78.36	4.83
6.00	19.16	28.18	19.78	9.19	81.59	4.57
6.50	19.42	29.19	20.49	8.75	85.90	3.98
7.00	19.55	30.03	21.10	8.56	87.80	3.31
7.50	19.64	30.48	21.41	8.43	88.28	2.83
8.00	20.11	31.78	22.28	8.13	88.94	2.46
8.50	20.51	33.84	23.75	7.87	90.36	2.10
9.00	20.55	34.56	24.29	7.88	91.18	1.77
9.50	20.53	34.76	24.44	7.97	91.42	1.50
10.00	20.51	34.83	24.50	8.04	91.99	1.27
10.50	20.50	34.85	24.52	8.10	92.13	1.07
11.00	20.49	34.90	24.55	8.13	92.31	0.86
11.50	20.50	34.97	24.61	8.11	92.47	0.71
12.00	20.50	35.05	24.67	8.07	92.57	0.61
12.50	20.50	35.09	24.70	8.07	92.62	0.55
13.00	20.51	35.11	24.71	8.10	92.73	0.50
13.50	20.51	35.12	24.72	8.09	92.65	0.45
14.00	20.51	35.12	24.72	8.09	92.77	0.40
14.50	20.53	35.13	24.72	8.10	93.05	0.36
15.00	20.56	35.21	24.78	8.06	93.13	0.32
15.50	20.61	35.28	24.81	8.05	93.19	0.29
16.00	20.64	35.33	24.84	8.04	93.14	0.27
16.50	20.65	35.36	24.86	8.07	93.20	0.26
17.00	20.67	35.35	24.85	8.06	93.06	0.25
17.50	20.69	35.38	24.87	8.06	93.21	0.24
18.00	20.71	35.41	24.88	8.02	93.32	0.22
18.50	20.74	35.47	24.92	8.03	93.35	0.22
19.00	20.74	35.51	24.95	8.07	93.25	0.21
19.50	20.74	35.53	24.97	8.05	93.34	0.20
20.00	20.75	35.55	24.98	8.02	93.30	0.20
20.50	20.75	35.57	24.99	8.03	93.25	0.19
21.00	20.76	35.58	25.00	7.99	93.31	0.19
21.50	20.77	35.60	25.01	8.04	93.38	0.19
22.00	20.78	35.61	25.02	8.09	93.28	0.18
22.50	20.80	35.61	25.01	8.08	93.46	0.18
23.00	20.83	35.52	24.94	7.98	93.40	0.17
23.50	20.86	35.50	24.91	8.03	93.22	0.17
24.00	20.87	35.63	25.01	8.02	93.36	0.17
24.50	20.90	35.74	25.09	7.99	93.42	0.17
25.00	20.93	35.78	25.11	7.99	93.36	0.17
25.50	20.95	35.80	25.12	7.96	93.51	0.17
26.00	20.99	35.80	25.11	8.04	93.50	0.17
26.50	21.01	35.75	25.06	8.04	93.42	0.16
27.00	21.03	35.73	25.05	8.04	93.54	0.16
27.50	21.07	35.83	25.11	7.98	93.50	0.16

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	67
0403-029	04/10/93	1907	28.51.06'N	89.37.03'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
28.00	21.10	35.88	25.14	7.97	93.53	0.16
28.50	21.13	35.90	25.15	8.03	93.63	0.16
29.00	21.15	35.91	25.15	8.07	93.62	0.16
29.50	21.19	35.91	25.14	8.04	93.60	0.16
30.00	21.24	35.92	25.13	8.00	93.57	0.16
30.00	21.21	35.94	25.15	8.01	93.54	0.16
35.00	21.15	36.09	25.29	8.03	93.52	0.15
40.00	20.86	36.15	25.41	8.07	93.38	0.16
45.00	20.26	36.19	25.61	8.15	93.29	0.17
50.00	19.86	36.17	25.69	8.18	93.31	0.17
55.00	19.72	36.19	25.74	8.13	93.15	0.18
60.00	19.47	36.20	25.82	7.77	92.28	0.17
65.00	19.32	36.19	25.85	6.97	91.93	0.19

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 67 M
0403-029	04/10/93	1907	28°51.06'N	89°37.03'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	1.63	17.84	19.96	13.83	10.92	NS	NS	16.16	19.02	NS	22.832	1.799	0.979	28.78	0.896
5.00	4.76	18.59	26.13	18.36	9.80	NS	NS	20.19	24.88	NS	9.128	1.219	1.292	19.94	0.276
10.00	8.98	20.55	34.58	24.30	7.90	NS	NS	0.81	1.65	NS	0.387	0.153	0.539	1.08	0.099
15.00	14.86	20.56	35.19	24.76	8.07	NS	NS	0.06	0.97	NS	ND	0.082	0.348	ND	.070
20.00	18.89	20.74	35.50	24.95	8.07	NS	NS	0.26	0.75	NS	ND	0.106	0.256	ND	.064
25.00	24.91	20.92	35.77	25.11	7.97	NS	NS	0.27	0.59	NS	ND	0.078	0.079	ND	.048
30.00	29.83	21.22	35.92	25.14	7.99	NS	NS	0.25	0.56	NS	ND	0.006	ND	ND	.042
40.00	39.49	20.96	36.13	25.37	8.00	NS	NS	0.29	0.56	NS	ND	ND	ND	ND	.076
50.00	50.11	19.85	36.17	25.70	8.19	NS	NS	0.22	0.61	NS	ND	0.410	ND	ND	.109
65.00	64.00*	19.42	36.25	25.87	7.30	NS	NS	0.00	0.90	NS	1.296	0.298	ND	2.72	0.344

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	73
0403-030	04/11/93	0002	28.49.05'N	89.39.29'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	15.63	6.96	4.33	6.94	66.60	0.21
1.00	16.04	17.14	12.06	6.88	63.44	0.37
1.50	16.01	17.14	12.05	7.03	64.35	0.58
2.00	16.19	17.28	12.13	9.23	65.16	1.13
2.50	16.15	17.25	12.12	10.11	65.27	1.15
3.00	16.23	17.36	12.19	10.05	65.77	1.17
3.50	16.37	17.49	12.26	10.00	67.15	1.19
4.00	16.62	17.77	12.42	9.96	69.12	1.21
4.50	17.22	18.39	12.76	9.77	72.95	1.21
5.00	17.62	19.32	13.39	9.70	75.10	1.23
5.50	17.72	19.53	13.53	9.85	75.74	1.24
6.00	17.85	20.63	14.34	9.74	76.12	1.27
6.50	17.98	22.57	15.79	9.58	73.71	1.40
7.00	18.35	24.95	17.52	9.45	73.08	1.79
7.50	18.78	25.03	17.48	9.20	74.99	2.21
8.00	19.06	26.30	18.37	8.55	78.81	2.44
8.50	19.17	28.07	19.69	8.44	79.76	2.50
9.00	19.18	28.73	20.20	8.34	81.18	2.49
9.50	19.19	28.90	20.32	8.26	82.92	2.45
10.00	19.22	28.95	20.35	8.25	83.57	2.19
10.50	19.46	29.10	20.40	8.14	85.33	1.99
11.00	20.00	30.09	21.02	7.95	85.64	1.83
11.50	20.26	33.57	23.60	7.71	88.66	1.64
12.00	20.27	33.90	23.85	7.69	90.07	1.39
12.50	20.19	34.45	24.29	7.87	91.06	0.99
13.00	20.37	34.36	24.18	8.04	91.53	0.71
13.50	20.44	34.16	24.01	8.04	92.06	0.62
14.00	20.46	34.45	24.22	8.07	92.09	0.53
14.50	20.44	35.10	24.73	8.09	92.31	0.44
15.00	20.43	35.17	24.78	8.09	92.51	0.36
15.50	20.47	35.13	24.73	8.15	92.66	0.31
16.00	20.50	35.05	24.67	8.15	92.84	0.29
16.50	20.51	35.05	24.67	8.10	92.68	0.27
17.00	20.51	35.23	24.80	8.11	92.75	0.25
17.50	20.52	35.29	24.85	8.17	92.98	0.23
18.00	20.61	35.24	24.79	8.16	92.90	0.22
18.50	20.65	35.22	24.76	8.22	93.04	0.21
19.00	20.67	35.26	24.79	8.15	93.04	0.21
19.50	20.66	35.39	24.89	8.14	93.14	0.20
20.00	20.65	35.44	24.93	8.22	93.23	0.20
20.50	20.72	35.42	24.90	8.14	93.39	0.19
21.00	20.77	35.42	24.88	8.16	93.40	0.19
21.50	20.78	35.49	24.93	8.20	93.39	0.18
22.00	20.78	35.53	24.96	8.16	93.43	0.19
22.50	20.79	35.53	24.96	8.16	93.41	0.18
23.00	20.81	35.54	24.96	8.15	93.52	0.18
23.50	20.81	35.55	24.96	8.19	93.48	0.18
24.00	20.81	35.59	25.00	8.17	93.43	0.17
24.50	20.80	35.64	25.04	8.18	93.51	0.87
25.00	20.83	35.65	25.04	8.16	93.56	0.78
25.50	20.87	35.69	25.06	8.17	93.59	0.63
26.00	20.90	35.74	25.09	8.17	93.67	0.52
26.50	20.89	35.81	25.14	8.16	93.44	0.41

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	73
0403-030	04/11/93	0002	28.49.05'N	89.39.29'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
27.00	20.92	35.84	25.15	8.19	93.43	0.33
27.50	20.95	35.85	25.15	8.16	93.75	0.29
28.00	20.97	35.89	25.18	8.15	93.78	0.26
28.50	20.96	35.99	25.27	8.13	93.85	0.23
29.00	20.96	36.01	25.27	8.14	93.79	0.21
29.50	20.97	36.01	25.27	8.15	93.88	0.20
30.00	20.97	36.01	25.27	8.10	93.86	0.20
30.00	20.96	36.00	25.27	8.14	93.86	0.20
35.00	20.95	36.08	25.33	8.13	94.05	0.17
40.00	20.22	35.98	25.45	8.13	94.12	0.17
45.00	19.50	36.11	25.74	8.00	94.28	0.19
50.00	19.44	36.19	25.82	8.34	94.33	0.19
55.00	19.42	36.15	25.79	8.31	94.19	0.19
60.00	19.42	36.15	25.79	8.17	94.29	0.18
65.00	19.31	36.20	25.86	8.05	93.98	0.18
70.00	18.87	36.30	26.05	7.23	92.21	0.19

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 73 M
0403-030	04/11/93	0002	28°49.05'N	89°39.29'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.75	16.02	17.18	12.09	6.84	NS	NS	1.68	3.51	NS	19.863	2.114	2.560	27.18	1.505
5.00	3.95	16.61	17.78	12.43	9.94	NS	NS	3.57	5.12	NS	14.934	1.417	1.991	20.73	0.962
10.00	10.06	19.22	28.91	20.32	8.27	NS	NS	4.65	7.07	NS	11.534	1.156	1.534	25.37	0.551
15.00	13.81	20.46	34.16	24.00	8.07	NS	NS	0.44	1.51	NS	0.149	ND	0.525	ND	.062
20.00	19.53	20.67	35.39	24.89	8.13	NS	NS	0.37	0.78	NS	ND	0.179	0.379	ND	.038
25.00	24.74	20.81	35.65	25.04	8.14	NS	NS	0.23	0.58	NS	ND	0.136	0.375	ND	.056
30.00	30.14	20.96	36.01	25.28	8.04	NS	NS	0.19	0.49	NS	ND	0.131	0.880	ND	.058
40.00	38.29	20.64	35.92	25.29	8.17	NS	NS	0.16	0.43	NS	ND	0.172	0.375	ND	.070
50.00	49.04	19.45	36.22	25.84	8.33	NS	NS	0.32	0.46	NS	ND	0.177	0.324	ND	.103
65.00	64.97	19.34	36.21	25.86	8.16	NS	NS	0.19	0.46	NS	0.815	0.887	0.467	1.74	0.288

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	71
0403-031	04/11/93	0431	28.48.17'N	89.43.77'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	13.39	9.19	6.42	9.21	39.66	0.48
1.00	14.66	13.10	9.22	8.38	60.36	0.97
1.50	15.41	14.71	10.31	8.06	61.97	1.08
2.00	15.57	16.67	11.78	8.73	67.20	1.01
2.50	15.64	17.27	12.23	9.82	67.71	0.95
3.00	15.82	17.88	12.66	9.72	69.56	0.95
3.50	16.32	19.00	13.42	9.53	72.28	0.96
4.00	16.53	19.62	13.85	9.55	74.96	0.99
4.50	16.85	20.75	14.65	9.46	76.62	1.02
5.00	16.96	21.61	15.28	9.34	76.71	1.03
5.50	16.99	21.84	15.45	9.39	76.36	1.02
6.00	17.05	21.96	15.52	9.49	76.24	1.02
6.50	17.45	22.46	15.83	9.32	78.08	1.00
7.00	17.84	23.62	16.61	9.05	79.40	1.04
7.50	18.36	25.06	17.59	8.91	80.59	1.12
8.00	19.01	27.15	19.03	8.73	80.78	1.26
8.50	19.27	28.74	20.18	8.70	82.43	1.35
9.00	19.41	29.76	20.92	8.58	83.67	1.36
9.50	19.56	30.56	21.49	8.10	84.95	1.31
10.00	19.65	31.22	21.98	7.83	85.77	1.25
10.50	19.77	31.67	22.29	7.71	86.11	1.20
11.00	20.17	32.49	22.81	7.58	86.38	1.14
11.50	20.62	32.61	22.78	7.55	86.93	1.02
12.00	20.88	32.42	22.57	7.59	88.00	0.86
12.50	21.02	32.38	22.50	7.79	89.58	0.70
13.00	21.09	33.65	23.44	7.83	90.45	0.57
13.50	21.09	34.78	24.30	7.88	90.90	0.47
14.00	21.09	34.53	24.12	7.94	91.35	0.41
14.50	21.09	35.00	24.48	7.95	91.65	0.37
15.00	21.07	35.06	24.52	7.94	91.72	0.34
15.50	21.00	35.40	24.80	7.90	91.81	0.31
16.00	20.95	35.47	24.86	7.98	92.19	0.28
16.50	20.87	35.48	24.90	8.03	92.59	0.26
17.00	20.84	35.39	24.83	8.05	92.77	0.25
17.50	20.83	35.49	24.91	8.07	92.84	0.24
18.00	20.83	35.57	24.98	8.02	92.95	0.23
18.50	20.81	35.57	24.98	8.07	93.09	0.22
19.00	20.80	35.55	24.97	8.07	93.21	0.22
19.50	20.81	35.54	24.96	8.12	93.21	0.21
20.00	20.81	35.59	25.00	8.07	93.23	0.20
20.50	20.81	35.61	25.01	8.14	93.27	0.20
21.00	20.82	35.59	24.99	8.09	93.36	0.20
21.50	20.82	35.58	24.98	8.09	93.31	0.20
22.00	20.82	35.62	25.02	8.10	93.32	0.20
22.50	20.81	35.64	25.04	8.12	93.42	0.20
23.00	20.81	35.63	25.03	8.12	93.39	0.19
23.50	20.81	35.61	25.01	8.10	93.45	0.19
24.00	20.77	35.64	25.05	8.12	93.48	0.19
24.50	20.68	35.72	25.14	8.20	93.53	0.19
25.00	20.66	35.71	25.13	8.15	93.62	0.19
25.50	20.62	35.73	25.16	8.10	93.76	0.18
26.00	20.56	35.74	25.18	8.15	93.87	0.18
26.50	20.52	35.80	25.24	8.18	93.85	0.18

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	71
0403-031	04/11/93	0431	28.48.17'N	89.43.77'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
27.00	20.49	35.80	25.24	8.18	93.88	0.17
27.50	20.49	35.82	25.26	8.21	93.81	0.18
28.00	20.48	35.82	25.26	8.16	93.93	0.18
28.50	20.46	35.83	25.28	8.12	93.96	0.18
29.00	20.45	35.82	25.27	8.16	94.00	0.18
29.50	20.44	35.85	25.29	8.16	94.01	0.18
30.00	20.45	35.89	25.33	8.13	94.02	0.17
30.00	20.47	35.88	25.31	8.16	93.98	0.18
35.00	20.22	36.14	25.58	8.20	94.19	0.17
40.00	19.78	36.11	25.67	8.36	94.34	0.16
45.00	19.42	36.11	25.76	8.10	94.37	0.16
50.00	19.35	36.17	25.82	7.88	94.15	0.15
55.00	19.24	36.21	25.89	7.54	93.08	0.16
60.00	18.61	36.36	26.17	6.64	91.50	0.19
65.00	18.56	36.26	26.10	6.23	91.08	0.21
70.00	18.56	36.23	26.08	6.14	91.04	0.22

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 71 M
0403-031	04/11/93	0431	28°48.17'N	89°43.77'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.72	13.89	12.74	9.07	8.64	NS	NS	4.85	7.68	24.34	24.666	2.252	3.235	32.83	1.588
4.00	3.31	16.12	18.42	13.01	9.58	NS	NS	3.43	5.05	NS	25.422	1.066	2.298	20.29	1.157
10.00	9.34	19.50	30.25	21.27	8.27	NS	NS	4.75	7.48	NS	2.110	0.794	1.643	11.69	0.398
20.00	19.45	20.81	35.53	24.95	8.12	NS	NS	0.28	1.11	NS	0.163	0.114	1.135	ND	.179

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	67
0403-032	04/11/93	0504	28.43.38'N	89.44.72'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	14.91	2.81	1.27	10.47	83.01	0.16
1.00	16.07	18.76	13.28	9.22	72.29	0.36
1.50	16.17	18.89	13.36	9.52	72.68	0.57
2.00	16.12	19.01	13.47	9.28	72.12	1.09
2.50	16.16	19.02	13.47	9.49	72.23	1.06
3.00	16.20	19.27	13.65	9.74	72.77	1.13
3.50	16.27	19.53	13.83	9.74	73.96	1.14
4.00	16.33	19.61	13.88	9.74	74.60	1.17
4.50	16.33	19.56	13.85	9.73	74.94	1.19
5.00	16.44	20.04	14.19	9.62	75.21	1.18
5.50	16.53	20.47	14.50	9.67	75.56	1.18
6.00	16.65	20.75	14.68	9.60	76.18	1.16
6.50	16.97	21.05	14.84	9.47	76.71	1.13
7.00	17.90	23.51	16.52	9.07	79.06	1.11
7.50	18.94	26.27	18.38	8.75	80.37	1.17
8.00	19.27	28.65	20.11	8.73	82.35	1.24
8.50	19.32	28.25	19.79	8.51	83.74	1.24
9.00	19.36	29.12	20.45	7.84	85.13	1.21
9.50	19.44	29.84	20.97	7.76	85.45	1.20
10.00	19.48	30.56	21.51	7.68	85.72	1.20

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 67 M
0403-032	04/11/93	0504	28°43.38'N	89°44.72'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
2.50	1.04	16.06	18.74	13.27	9.23	NS	NS	3.53	5.38	12.32	25.138	1.702	2.482	25.59	1.262

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	63
0403-033	04/11/93	0737	28.48.62'N	89.46.76'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
0.50	15.54	17.93	12.76	6.36	69.08	0.68
1.00	15.72	18.22	12.95	6.15	72.30	0.73
1.50	15.96	18.51	13.11	6.35	72.97	0.82
2.00	16.07	18.77	13.29	8.87	72.92	1.12
2.50	16.19	19.06	13.49	9.59	73.24	1.15
3.00	16.38	19.57	13.84	9.52	73.39	1.15
3.50	16.68	20.24	14.29	9.46	74.72	1.19
4.00	16.83	20.80	14.69	9.41	77.55	1.17
4.50	17.04	21.79	15.39	9.26	77.44	1.14
5.00	17.09	22.18	15.68	9.23	77.16	1.11
5.50	17.14	22.40	15.84	9.20	77.65	1.09
6.00	17.71	23.31	16.41	9.00	79.55	1.06
6.50	18.18	24.53	17.23	8.77	82.03	1.06
7.00	18.98	26.14	18.27	8.55	82.69	1.16
7.50	19.32	28.09	19.67	8.46	85.04	1.19
8.00	19.36	29.08	20.41	8.45	86.52	1.17
8.50	19.41	30.07	21.16	8.30	87.01	1.15
9.00	19.48	30.44	21.42	8.21	87.58	1.15
9.50	19.76	30.54	21.43	7.81	88.46	1.10
10.00	20.13	31.26	21.87	7.55	88.95	0.99
10.50	20.44	32.87	23.02	7.42	88.94	0.86
11.00	20.73	32.69	22.81	7.40	89.72	0.73
11.50	21.01	31.84	22.09	7.40	90.33	0.60
12.00	21.04	33.93	23.67	7.35	91.43	0.50
12.50	20.97	34.56	24.16	7.53	92.13	0.43
13.00	20.95	34.73	24.30	7.72	92.54	0.37
13.50	20.95	34.74	24.31	7.76	92.89	0.34
14.00	20.95	34.71	24.29	7.83	93.02	0.32
14.50	20.96	34.89	24.42	7.80	92.97	0.30
15.00	20.98	35.04	24.53	7.80	93.02	0.28
15.50	20.99	35.15	24.61	7.83	93.30	0.27
16.00	20.99	35.20	24.65	7.82	93.39	0.25
16.50	20.99	35.21	24.65	7.85	93.44	0.23
17.00	21.00	35.24	24.68	7.79	93.48	0.23
17.50	20.99	35.34	24.76	7.88	93.50	0.22
18.00	20.99	35.36	24.77	7.92	93.58	0.22
18.50	20.99	35.34	24.76	7.89	93.73	0.22
19.00	20.98	35.19	24.65	7.91	93.69	0.21
19.50	20.97	35.22	24.67	7.95	93.74	0.21
20.00	20.96	35.43	24.83	7.93	93.74	0.21
20.50	20.96	35.51	24.89	7.91	93.72	0.21
21.00	20.95	35.52	24.90	7.92	93.82	0.21
21.50	20.93	35.53	24.92	7.97	93.81	0.21
22.00	20.90	35.57	24.95	7.99	93.84	0.20
22.50	20.85	35.60	24.99	7.98	93.86	0.20
23.00	20.82	35.57	24.97	8.00	93.85	0.20
23.50	20.81	35.58	24.99	7.96	93.83	0.19
24.00	20.81	35.63	25.03	8.00	93.85	0.19
24.50	20.82	35.64	25.04	8.04	93.86	0.19
25.00	20.82	35.57	24.98	8.04	93.98	0.19
25.50	20.82	35.55	24.96	8.05	93.93	0.19
26.00	20.82	35.66	25.05	8.00	93.88	0.19
26.50	20.82	35.68	25.06	8.01	93.89	0.19

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	63
0403-033	04/11/93	0737	28.48.62'N	89.46.76'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
27.00	20.82	35.65	25.04	8.03	93.96	0.19
27.50	20.81	35.70	25.08	8.01	93.93	0.19
28.00	20.81	35.70	25.08	8.00	93.96	0.18
28.50	20.81	35.70	25.08	7.99	93.88	0.18
29.00	20.81	35.72	25.10	8.02	93.89	0.19
29.50	20.81	35.72	25.10	8.03	93.87	0.18
30.00	20.81	35.73	25.10	8.05	93.88	0.18
30.00	20.78	35.75	25.12	8.02	93.84	0.18
35.00	20.35	35.96	25.40	8.05	93.97	0.18
40.00	19.38	36.17	25.82	7.90	94.11	0.16
45.00	19.20	36.20	25.89	7.04	92.84	0.17
50.00	19.18	36.20	25.89	6.81	92.26	0.18
55.00	19.17	36.20	25.90	6.71	91.99	0.18
60.00	19.13	36.22	25.92	6.62	91.88	0.18

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 63 M
0403-033	04/11/93	0737	28°48.62'N	89°46.76'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	0.88	15.64	18.14	12.90	6.13	NS	NS	3.53	5.82	NS	26.382	1.648	1.187	24.36	1.250
5.00	3.99	16.81	20.73	14.64	9.40	NS	NS	4.24	6.37	NS	18.091	1.303	1.966	30.45	1.086
10.00	8.89	19.45	30.41	21.41	8.26	NS	NS	2.63	5.71	NS	4.797	0.984	1.408	9.91	0.380
15.00	14.34	20.96	34.82	24.37	7.76	NS	NS	0.55	1.43	NS	0.236	0.399	0.981	0.45	0.101
20.00	19.12	20.98	35.15	24.62	7.87	NS	NS	0.46	1.14	NS	0.119	0.138	0.573	ND	.121
25.00	24.01	20.81	35.64	25.03	8.05	NS	NS	0.42	0.97	NS	0.107	0.116	0.655	ND	.221
30.00	29.54	20.81	35.72	25.10	8.05	NS	NS	0.30	0.77	NS	0.072	0.110	0.590	ND	ND
40.00	39.20	19.40	36.15	25.80	7.85	NS	NS	0.40	0.88	NS	0.679	0.800	0.815	1.85	0.221
50.00	48.83	19.18	36.20	25.89	6.76	NS	NS	0.18	0.66	NS	2.068	0.688	0.300	4.68	0.378
61.50	60.60	19.12	36.20	25.91	6.58	NS	NS	0.24	0.68	NS	2.118	0.705	0.437	5.04	0.439

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-034	04/11/93	1214	28.28.35'N	89.39.89'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
1.50	22.66	36.32	25.03	8.43	94.64	0.10
2.00	22.66	36.32	25.03	8.48	94.64	0.10
2.50	22.64	36.32	25.04	8.16	94.63	0.10
3.00	22.61	36.33	25.06	8.18	94.61	0.10
3.50	22.60	36.32	25.05	8.22	94.62	0.10
4.00	22.61	36.31	25.05	8.18	94.63	0.10
4.50	22.58	36.32	25.06	8.14	94.63	0.10
5.00	22.57	36.32	25.06	8.15	94.61	0.10
5.50	22.56	36.33	25.07	8.18	94.60	0.10
6.00	22.54	36.33	25.08	8.17	94.60	0.10
6.50	22.53	36.33	25.08	8.18	94.60	0.10
7.00	22.53	36.32	25.07	8.15	94.55	0.10
7.50	22.52	36.32	25.08	8.17	94.57	0.10
8.00	22.51	36.32	25.08	8.17	94.56	0.10
8.50	22.50	36.32	25.08	8.19	94.56	0.11
9.00	22.50	36.32	25.08	8.18	94.57	0.11
9.50	22.49	36.32	25.08	8.16	94.59	0.11
10.00	22.49	36.32	25.08	8.15	94.59	0.11
10.50	22.49	36.32	25.08	8.17	94.60	0.11
11.00	22.49	36.32	25.08	8.17	94.56	0.11
11.50	22.48	36.32	25.09	8.17	94.59	0.11
12.00	22.48	36.32	25.09	8.17	94.58	0.11
12.50	22.48	36.32	25.09	8.15	94.55	0.11
13.00	22.47	36.32	25.09	8.19	94.55	0.11
13.50	22.47	36.32	25.09	8.19	94.56	0.11
14.00	22.47	36.32	25.09	8.16	94.54	0.12
14.50	22.47	36.32	25.09	8.13	94.54	0.11
15.00	22.47	36.31	25.09	8.15	94.52	0.12
15.50	22.47	36.31	25.09	8.18	94.59	0.12
16.00	22.46	36.31	25.09	8.19	94.55	0.11
16.50	22.46	36.31	25.09	8.16	94.58	0.12
17.00	22.46	36.31	25.09	8.15	94.56	0.12
17.50	22.46	36.31	25.09	8.15	94.59	0.12
18.00	22.46	36.31	25.09	8.14	94.58	0.12
18.50	22.46	36.31	25.09	8.14	94.55	0.12
19.00	22.45	36.31	25.09	8.17	94.56	0.12
19.50	22.45	36.31	25.09	8.17	94.55	0.12
20.00	22.45	36.31	25.09	8.18	94.54	0.12
20.50	22.45	36.31	25.09	8.16	94.57	0.13
21.00	22.45	36.31	25.09	8.15	94.56	0.12
21.50	22.44	36.31	25.09	8.13	94.58	0.12
22.00	22.44	36.31	25.09	8.14	94.55	0.13
22.50	22.44	36.31	25.09	8.18	94.55	0.13
23.00	22.44	36.31	25.09	8.18	94.55	0.13
23.50	22.44	36.31	25.09	8.15	94.55	0.13
24.00	22.44	36.31	25.09	8.12	94.56	0.13
24.50	22.44	36.31	25.09	8.11	94.56	0.14
25.00	22.44	36.31	25.09	8.15	94.55	0.14
25.50	22.44	36.31	25.09	8.18	94.56	0.14
26.00	22.43	36.31	25.09	8.11	94.57	0.14
26.50	22.43	36.31	25.09	8.13	94.55	0.14
27.00	22.43	36.31	25.10	8.12	94.54	0.15
27.50	22.42	36.31	25.10	8.11	94.54	0.15

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-034	04/11/93	1214	28.28.35'N	89.39.89'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
28.00	22.42	36.31	25.10	8.12	94.50	0.16
28.50	22.41	36.32	25.10	8.14	94.53	0.16
29.00	22.41	36.32	25.10	8.14	94.52	0.17
29.50	22.40	36.32	25.10	8.09	94.52	0.18
30.00	22.40	36.32	25.11	8.09	94.50	0.18
30.00	22.40	36.32	25.11	8.12	94.52	0.18
35.00	22.36	36.32	25.12	8.09	94.47	0.24
40.00	22.28	36.33	25.15	8.07	94.41	0.35
45.00	21.83	36.36	25.30	8.01	94.29	0.51
50.00	21.09	36.31	25.47	8.08	94.29	0.59
55.00	20.90	36.28	25.50	7.98	94.36	0.69
60.00	20.93	36.28	25.49	7.92	94.48	0.98
65.00	20.99	36.34	25.52	7.79	94.67	0.40
70.00	21.04	36.40	25.55	7.58	94.70	0.27
75.00	21.41	36.59	25.59	6.93	94.75	0.24
80.00	21.20	36.66	25.71	6.36	94.74	0.29
85.00	21.03	36.70	25.78	6.21	94.75	0.27
90.00	20.69	36.71	25.89	6.06	94.79	0.23
95.00	19.96	36.64	26.02	6.02	94.82	0.19
100.00	19.34	36.51	26.09	5.70	94.81	0.16
105.00	18.98	36.45	26.13	5.62	94.79	0.16
110.00	18.65	36.43	26.21	5.46	94.83	0.17
115.00	18.49	36.42	26.24	5.28	94.83	0.29
120.00	18.31	36.44	26.29	5.16	94.84	0.23
125.00	18.10	36.43	26.34	5.05	94.84	0.15
130.00	17.83	36.42	26.40	5.04	94.85	0.14
135.00	17.42	36.39	26.48	5.06	94.87	0.13
140.00	17.13	36.34	26.52	5.00	94.89	0.12
145.00	16.91	36.30	26.54	4.89	94.89	0.11
150.00	16.62	36.28	26.58	4.96	94.89	0.10
155.00	16.45	36.23	26.59	4.95	94.90	0.10
160.00	16.17	36.20	26.63	4.95	94.90	0.10
165.00	15.99	36.17	26.65	5.04	94.90	0.10
170.00	15.87	36.15	26.66	5.12	94.90	0.10
175.00	15.73	36.12	26.68	5.11	94.90	0.10
180.00	15.58	36.10	26.69	5.08	94.89	0.10
185.00	15.44	36.08	26.71	5.06	94.85	0.09
190.00	15.33	36.06	26.71	5.04	94.86	0.09
195.00	15.23	36.04	26.72	5.01	94.85	0.09
200.00	15.06	36.02	26.75	5.00	94.87	0.09
205.00	14.93	36.01	26.76	4.98	94.88	0.09
210.00	14.59	35.98	26.82	4.96	94.90	0.09
215.00	14.29	35.93	26.85	4.97	94.90	0.09
220.00	14.06	35.89	26.86	4.94	94.87	0.09
225.00	13.90	35.85	26.87	4.93	94.81	0.09
230.00	13.76	35.82	26.87	4.93	94.72	0.09
235.00	13.64	35.79	26.87	4.91	94.61	0.09
240.00	13.56	35.77	26.88	4.89	94.56	0.10
245.00	13.36	35.78	26.92	4.88	94.59	0.09
250.00	12.99	35.73	26.96	4.85	94.68	0.09
255.00	12.80	35.70	26.98	4.84	94.67	0.09
260.00	12.67	35.65	26.96	4.82	94.65	0.10

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH:	68
0403-034	04/11/93	1214	28.28.35'N	89.39.89'W		

DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR
265.00	12.51	35.63	26.98	4.81	94.59	0.10
270.00	12.33	35.60	26.99	4.77	94.56	0.10
275.00	12.17	35.58	27.01	4.76	94.55	0.10
280.00	11.94	35.58	27.05	4.76	94.57	0.10
285.00	11.70	35.54	27.07	4.70	94.68	0.10
290.00	11.57	35.52	27.08	4.60	94.78	0.10
295.00	11.49	35.48	27.06	4.54	94.78	0.10
300.00	11.45	35.47	27.06	4.55	94.76	0.10

STATION:	DATE:	TIME:	LATITUDE:	LONGITUDE:	DEPTH: 680 M
0403-034	04/11/93	1214	28°28.35'N	89°39.89'W	

TDEPTH	DEPTH	TEMP	SAL	σ_t	OXY	TRANS	FLUOR	CHLOR	PHAEO	SPM	NO3	NO2	NH4	SIO4	PO4
0.00	1.57*	22.67	36.32	25.03	8.67	NS	NS	0.00	0.00	0.19	NS	NS	NS	NS	NS
15.00	14.03	22.47	36.32	25.09	8.15	NS	NS	0.00	1.00	2.50	NS	NS	NS	NS	NS
20.00	18.45	22.46	36.31	25.09	8.14	NS	NS	0.56	0.80	NS	0.111	0.328	ND	0.05	1.332
30.00	28.49	22.41	36.32	25.10	8.11	NS	NS	0.68	1.04	NS	0.521	0.328	ND	0.08	1.374
40.00	38.31	22.32	36.32	25.13	8.08	NS	NS	1.38	2.17	NS	1.577	0.196	ND	0.60	1.195
50.00	48.59	21.28	36.31	25.42	8.10	NS	NS	1.31	1.94	NS	1.983	0.101	ND	0.73	0.382
60.00	59.07	20.84	36.26	25.50	7.95	NS	NS	0.46	1.07	NS	4.676	0.060	ND	2.55	0.578
75.00	74.00	21.29	36.52	25.57	7.07	NS	NS	0.48	0.93	NS	7.043	0.065	ND	4.68	1.407
100.00	99.29	19.36	36.52	26.09	5.73	NS	NS	0.31	0.50	NS	4.948	0.046	0.743	2.43	0.594
120.00	119.03*	18.38	36.43	26.27	5.18	NS	NS	0.17	0.42	NS	6.827	0.031	0.990	4.55	0.813
200.00	199.00	15.07	36.02	26.74	4.96	NS	NS	0.05	0.08	NS	10.260	ND	ND	7.98	1.019
300.00	298.98*	11.46	35.49	27.07	4.56	NS	NS	0.00	0.05	NS	10.957	ND	ND	0.72	1.151