

STUDIES OF THE SAN FRANCISCO BAY, CALIFORNIA, ESTUARINE ECOSYSTEM.
PILOT REGIONAL MONITORING PROGRAM RESULTS, 1993

By Jane M. Caffrey, Brian E. Cole, James E. Cloern, Joseph R. Rudek, A. Christina Tyler,
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CONTENTS

	Page
ABSTRACT	1
INTRODUCTION	2
ACKNOWLEDGEMENTS	4
METHODS	5
Sampling System	5
Discrete Analyses	7
Instrument Calibration	8
Ecosystem Process Measurements	9
Photosynthetic Parameters	9
Community Respiration	11
Phytoplankton Species Composition and Abundance	11
REFERENCES	13
Figure 1 - Map of San Francisco Bay estuary showing locations of water sampling stations .	15
Figure 2 - Hypothetical curve of photosynthesis as a function of irradiance	16
Table 1 - San Francisco Bay Stations	17
Table 2 - Dates of Cruises and Stations Occupied	20
APPENDIX 1 Photosynthesis-irradiance (P-I) parameters	21
APPENDIX 2 Community Respiration	22
APPENDIX 3 Data Summaries of Hydrographic Properties	23
APPENDIX 4 Phytoplankton Species Composition and Abundance	357

CONVERSION FACTORS

<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
meter (m)	3.28	foot
nanometer (nm)	2.94×10^{-8}	inch
gram	2.2×10^{-3}	pound
kilogram	2.2	pound
milligram	2.2×10^{-6}	pound
liter	1.06	quart

Temperature is given in degrees Celsius ($^{\circ}\text{C}$) and can be converted to degrees Fahrenheit ($^{\circ}\text{F}$) using the following equation:

$$^{\circ}\text{F} = 1.8 (^{\circ}\text{C}) + 32$$

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ABSTRACT

As part of a pilot regional monitoring program, water samples were collected in the San Francisco Bay estuary during 22 cruises from January through December 1993. Conductivity, temperature, light attenuation, turbidity, oxygen, and *in-vivo* fluorescence were measured longitudinally and vertically in the main channel of the estuary from south of the Dumbarton Bridge in the southern part of the bay to Rio Vista on the Sacramento River. Discrete water samples were analyzed for chlorophyll *a*, phaeopigments, suspended particulate matter, and dissolved oxygen. Water density was calculated from values for salinity, temperature, and pressure (depth), and is included in the data summaries. Photosynthetic parameters, water column respiration, and phytoplankton species abundance and cell volume were determined at selected stations every other month.

INTRODUCTION

A major goal of the San Francisco Estuary Project's Comprehensive Conservation and Management Plan (CCMP) is "to improve the scientific basis for managing natural resources within the estuary through an effective monitoring and research program." The CCMP more specifically recommends the development and implementation of a Regional Monitoring Strategy to integrate and expand upon existing efforts and to eventually be part of a comprehensive Regional Monitoring Program. A first version of the Regional Monitoring Strategy has since been developed and among its fundamental principles are: (a) a focus on the development of data that will provide information on status and trends in the Estuary; and (b) a regional assessment of this data to determine the ecological health of the Estuary. In addition, several pilot field programs have begun that, along with certain existing programs conducted by various agencies, will eventually constitute the comprehensive Regional Monitoring Program.

This document summarizes data collected during 1993 in one of these pilot programs. A regional monitoring program must cover many types of resources, including pelagic and benthic channel habitat, shoal habitat, wetlands, river channels, sloughs, and small bays and harbors. This particular program focuses on the pelagic channel habitat. Its aim is to provide a high-resolution description of critical aspects of habitat quality, which can be used along with other information to determine the suitability of habitat for aquatic resources and provide a context for understanding pollutant distributions. Measurements of physical (salinity, temperature, suspended particulate matter, and light penetration), chemical (dissolved oxygen), and biological characteristics (chlorophyll a) are included. In addition to partially characterizing the physical and chemical environment, these data will permit an estimate of annual channel phytoplankton production. The purpose of this document is solely to provide a comprehensive summary of the 1993 pilot program data; an assessment of these data will be presented elsewhere.

Samples were collected throughout San Francisco Bay monthly from January through December. During March and April, when a phytoplankton bloom was expected in South Bay, the frequency of cruises was increased. Sampling sites are shown in figure 1, and their locations and water depth are identified in table 1. A Sea-Bird Electronics conductivity-temperature-depth (CTD) data acquisition system, Sea Tech *in-situ* fluorometer, Sea-Bird Electronics oxygen sensor, D & A Instrument optical backscatter sensor (OBS), and LiCor quantum sensor were used to measure vertical distributions of conductivity (salinity), temperature, chlorophyll fluorescence, oxygen concentrations, turbidity, and solar radiance at each station. Discrete chlorophyll *a*, oxygen, and suspended particulate samples were collected at selected sites to calibrate the fluorometer, oxygen sensor, and OBS sensor on each sampling date.

A further goal of the program is to investigate candidate planktonic indicators of ecosystem structure and function. In support of this goal, 1993 measurements included phytoplankton community composition at the species level; photosynthetic parameters of the phytoplankton community; and water column respiration. The photosynthetic parameters partially characterize the physiological state of the phytoplankton, which provides the main source of energy for the Estuary's aquatic resources. Water column respiration serves as a simple integrated measure of organic matter metabolism by the plankton, including bacteria, phytoplankton, and microzooplankton. Also, as mentioned previously, an overall estimate of phytoplankton production can be obtained from the high-resolution field data in combination with nearby measurements of solar radiation.

ACKNOWLEDGEMENTS

This pilot study was supported by a number of program participants, including municipal and industrial dischargers, cooling water and storm water dischargers, and dredgers. We thank them for their financial support and their foresight in appreciating the need to view the Estuary as a whole and to manage it on a regional basis. Additional funding was provided by the California Department of Water Resources and the U.S. Geological Survey Toxic Substances Hydrology Program. We are also grateful to the Regional Water Quality Control Board for their oversight and coordination of the Regional Monitoring Program, and to the Aquatic Habitat Institute for their essential role in management of the Program. We thank Richard Dufford for the phytoplankton identification and enumeration.

METHODS

Sampling System

In-situ measurements were made from the R/V *Polaris* with a high speed data acquisition system. At each station a Sea-Bird Electronics (SBE) underwater unit (SBE-9) was lowered through the water column. Attached to the data acquisition unit was a SBE-4 conductivity sensor, a SBE-3 temperature probe, a Paroscientific digiquartz pressure transducer, a Sea Tech *in-vivo* fluorometer, a SBE-13 oxygen sensor, an OBS 3 optical backscatter sensor, and a LiCor Instruments 192S quantum sensor. With this instrument package, continuous measurements of conductivity, temperature, depth (pressure), chlorophyll fluorescence, oxygen concentration, turbidity, and solar radiance were taken throughout the water column.

The instrument package was lowered through the water at about 0.5 meters per second. The data from the conductivity, temperature, pressure, fluorescence, oxygen, OBS, and light sensors were digitized in the underwater unit (SBE-9) at 24 scans per second, resulting in a vertical sampling interval of about 2 cm. The data were transmitted to a deck unit through a single-conductor armored cable, displayed and stored on a shipboard microcomputer. To conserve space in this report, the data presented in Appendix 3 are averages of about 50 data points collected over 1 meter intervals. For example, the one-meter values listed in Appendix 3 are averages of all measurements made between depths of 0.5 to 1.5 meters.

The conductivity sensor was a 2-terminal, 3 electrode (platinum), flow- through sensor. This sensor was accurate within 0.0004 Siemens per meter and had a resolution of 5×10^{-5} Siemens per meter (Sea-Bird Electronics). Temperature (TEMP) was measured with a Wien Bridge type resistance thermistor. This sensor was accurate to ± 0.002 °C and had a resolution of 0.0005 °C (Sea-Bird Electronics). The conductivity and temperature probes were recalibrated in December, 1992 and 1993 at the National Oceanic and Atmospheric Administration's Northwest Regional Calibration Center, Bellevue, Washington. Values for

salinity (SALIN) were calculated from conductivity and temperature using the algorithm supplied with the Sea-Bird Electronics software, based on the equations of Millero et al. (1981) and Millero and Poisson (1981). Water density, as sigma-t (SIGMT), derived from salinity, temperature, and pressure, was also calculated from the Sea-Bird software package. Calculations of sigma-t were based on the equations of Fofonoff and Millard (1983). Sampling depths (DEPTH), derived from changes in pressure measured by the Paroscientific digiquartz transducer, were accurate within 0.01 meter.

Chlorophyll fluorescence was measured with a Sea Tech submersible pulsed-light fluorometer, which had a flash rate of 5 times per second. Because the sampling rate of the fluorometer was about one fifth that of the Sea-Bird underwater unit (5 times per second as compared with 24 times per second), the fluorescence data reported here are 3 m running averages of the measured values in order to smooth the variability associated with this mismatch of sampling frequencies. Hence, the vertical resolution of chlorophyll fluorescence reported here was about 3 m. Dissolved oxygen concentrations were measured with a SBE-13 dissolved oxygen sensor which used a Beckman polarographic element. The sensor was accurate to 0.14 mg O₂ per liter. A constant water flow across the oxygen membrane is necessary for accurate measurements, and the pump which provides this flow is activated only when the salinity exceeds 1 practical salinity unit (PSU). Therefore, oxygen values were not reported when salinity was less than 1 PSU. Dissolved oxygen concentration was calculated with the Sea-Bird software package, based on the equation from Owens and Millard (1985). Optical backscatter, or turbidity, was measured using a OBS 3 sensor which had a 875 nm infrared source and silicon photodetector. Ambient light was measured with a LiCor 192S quantum sensor sensitive to photosynthetically active radiation (400-700 nm). The extinction coefficient (EXCOF) was calculated by the least-squares regression of measured values of irradiance (I_z) at depth (Z) to the equation: $EXCOF = \ln(I_z/I_0)/Z$ where I_0 is the irradiance at the water surface.

Discrete Analyses

Discrete water samples for chlorophyll *a*, phaeopigments, dissolved oxygen, and suspended particulate material were collected at selected stations coincident with the lowering of the submersible instrument package. Water samples were collected from 1 meter above the bottom with a Niskin water sampling bottle and from 2 meters below the surface through a centrifugal pump with an intake at the ship's bow. Each discrete sample for chlorophyll *a* (DISCR CHL *a*) and phaeopigments (PHA) was filtered at less than 12 cm Hg onto a Gelman A/E glass fiber filter and immediately frozen. The air-dried filter was ground in 90 percent acetone within 1 week of collection. After extraction for 12-24 hours at -10 °C, samples were centrifuged and absorbances of the extracts were read on a Hewlett Packard 8452A diode array spectrophotometer. The acetone extracts were acidified to measure phaeopigments (Riemann, 1978). Chlorophyll *a* and phaeopigment values were calculated using Lorenzen's (1967) equations.

Dissolved oxygen concentrations (DISC OXYG) were measured in water collected from the bow pump in 300 mL BOD bottles. The bottles were filled from the bottom and allowed to overflow for 2-3 minutes. Winkler reagents (Strickland and Parsons, 1972) were added immediately and bottles were stored with water in their cap-wells and covered by a snap-fit plastic cap. Before beginning the titrations, the samples were acidified and 100.2 mL of sample was collected by autopipette. The sample was titrated with 0.01 N sodium thiosulfate dispensed by a Metrohm autotitrator using the potentiometric titration method of Graneli and Graneli (1991). Potassium iodate standardization of the sodium thiosulfate was conducted under identical procedures to eliminate problems associated with iodine volatilization (Knapp et al., 1991).

Suspended particulate material (DISCR SPM) was measured gravimetrically, as described by Hager (1993). Between 100-500 mL of water were filtered onto preweighed 0.4 µm pore size polycarbonate membrane filters and allowed to air dry for 48-72 hrs. Filters were

then reweighed and a correction for salt on the filters was made to calculate the concentration of suspended particulate matter (Hager, 1993).

Instrument Calibration

Estimates of chlorophyll *a* at each depth were derived from linear regressions of measured chlorophyll *a* (DISCR CHL *a*) against fluorescence (FLUOR). The slope (B) and intercept (A) from the regressions were used to calculate chlorophyll *a* concentrations (CALC CHL *a*) from the fluorescence values (CALC CHL *a* = A + B x FLUOR). If calculated chlorophyll *a* was less than or equal to zero, the result was not printed. Regression coefficients are presented at the end of each daily data summary. The coefficient of determination (r^2) indicates the strength of the linear relation between discrete chlorophyll *a* and fluorescence. Caution needs to be exercised in using calculated chlorophyll *a* values when this coefficient is less than 0.70. Also note that some of the regressions resulted in nonzero intercepts, which indicate that there was fluorescence in the water not associated with particulate chlorophyll *a*. Calculated chlorophyll *a* concentration divided by discrete chlorophyll *a* plus phaeopigment concentrations ($[(\text{CALC CHL}a)/(\text{DISCR CHL}a+\text{PHA})]$) gives the proportion of active chlorophyll *a* to total pigments, including chlorophyll degradation products.

The CTD dissolved oxygen measurements (OXYG) were calibrated using discrete dissolved oxygen measurements (DISCR OXYG). These estimates of dissolved oxygen concentrations with depth (CALC OXYG) were derived from a linear regression of discrete dissolved oxygen measurements (DISCR OXYG) and CTD (OXYG) measurements. Calculated SPM concentrations (CALC SPM) with depth were derived from a linear regression of the discrete measures of SPM concentration (DISCR SPM) and the optical backscatter (OBS) reading. The procedure used for both of these regressions was the same as that used for calibrating the fluorometer and calculating chlorophyll *a* values. Significant differences among these calibration regression coefficients for individual cruise dates necessitated unique

instrument calibrations for each day of sampling.

Ecosystem Process Measurements

Water column respiration and phytoplankton photosynthesis were measured bi-monthly at Stations 32, 27, 18, 13, 6 and 657 (fig. 1). Water samples were collected from the bow pump on the R/V Polaris, passed through a 270 μm diagonal mesh screen to remove large zooplankton and collected in a 20 L carboy.

Photosynthetic Parameters

Photosynthesis as carbon uptake rate was measured in a laboratory incubator (photosynthetron design of Lewis and Smith, 1983), using bay water and a radioisotope tracer, $\text{H}^{14}\text{CO}_3^-$. These water samples were removed from the same carboy as the respiration samples. Approximately 20 μCi of $\text{NaH}^{14}\text{CO}_3$ was added to 50 mL of bay water. This was mixed thoroughly, and 2 mL aliquots were dispensed into 17 scintillation vials. Each vial was placed into the photosynthetron and exposed for 30 minutes to a different irradiance (range = 0-1,400 $\mu\text{Einstein}$ s per square meter per second) produced by a 1,500 watt halogen lamp. During the 30 minute exposure period, ^{14}C -labeled bicarbonate ($\text{H}^{14}\text{CO}_3^-$), along with non-radioactive bicarbonate, was incorporated into organic matter through photosynthesis, a light dependent process. Following incubation, residual ^{14}C -labeled dissolved inorganic carbon was removed from the 2 mL aliquots by adding 0.3 mL of 0.25 N HCl, to form gaseous $^{14}\text{CO}_2$, which was vented during continuous agitation of the samples on a shaker table in a fume hood for 1 hour. The 30 minute incubation time was chosen because short incubations give the best measure of the *in-situ* physiological state of the algae.

Non-photosynthetic incorporation of ^{14}C was measured by the addition of HCl to three separate 2 mL aliquots immediately following inoculation, without exposure to light. Uptake in

the samples exposed to light (U_e) was adjusted by the average amount of uptake in these initial samples (U_i). Uptake in the initial samples ranged from 3 to 20 percent of that measured at maximum irradiance. The specific activity of the $\text{NaH}^{14}\text{CO}_3$ inoculation spike (S) was measured by adding 2 mL of 1 N NaOH to 2 mL aliquots of ^{14}C -labeled bay water. The NaOH maintained the sample at a high pH so that ^{14}C was not lost as a vapor. These samples were not exposed to either acid or light. The activity (as disintegrations per minute, DPM) of each standard and sample was measured using a Pharmacia-Wallac 1209 liquid scintillation counter. The concentration of total inorganic carbon (TIC in mg carbon per liter) in the incubated water was determined after adding 100 μL of 6 N HCl to 4 mL of sample water contained in a gas-tight sealed serum bottle. The concentration of the carbon dioxide in the headspace of the bottle was determined using a Perkin-Elmer Sigma 2000 gas chromatograph equipped with a thermal conductivity detector. The rate of photosynthetic uptake of carbon was calculated as:

$$\text{Carbon}_{\text{fixed}} = \frac{(U_e - U_i) \times \text{TIC} \times 1.064}{S \times T}$$

where T is time, measured in hours, and 1.064 is the isotopic preference factor of ^{12}C versus ^{14}C (Steeman-Nielsen, 1952).

Variability in the photosynthetic (carbon uptake) rates due to the amount of algae in the samples was eliminated by normalizing all photosynthetic rates to the amount of phytoplankton biomass (B , chlorophyll a) in the water sample. This resulted in chlorophyll normalized photosynthetic rates ($\text{mg C (mg Chl } a \text{ h)}^{-1}$). Each incubation measurement with ^{14}C yielded a series of photosynthesis and irradiance (P - I) data pairs, which when plotted form a P - I curve (fig. 2) that typically exhibits three components. In the lower portion of the curve, carbon assimilation rate is directly related to irradiance (the rate of photosynthesis is light-limited). The rate of increase in photosynthesis (P) with irradiance (I) can be measured as alpha, α , the slope of the initial linear portion of a P - I curve. Above this, photosynthesis reaches a maximum rate (P_m^B) where further increments in irradiance do not result in increased photosynthesis, so

the photosynthetic process is light-saturated. At even higher irradiances, the photosynthetic rate can be photoinhibited, and it begins to decline with further increases in irradiance. Photoinhibition is unlikely to occur in the rapidly mixed turbid waters of San Francisco Bay, so in this study, these measurements were designed to expose the phytoplankton to irradiances below those that typically result in photoinhibition.

The maximum carbon assimilation rate, P_m^B , as $\text{mg C (mg Chl } a \text{ h)}^{-1}$, and the initial slope, α as $\text{mg C (mg Chl } a \text{ h)}^{-1}(\mu\text{Einstein m}^{-2} \text{ s}^{-1})^{-1}$, of chlorophyll *a* normalized photosynthesis-irradiance curves were obtained by non-linear least squares fitting of the data to the hyperbolic tangent function (Jassby and Platt, 1976):

$$P^B = P_m^B \tanh(\alpha I / P_m^B) \quad .$$

Community Respiration

Respiration samples were dispensed into 300 mL BOD bottles from tubing connected to a spigot at the bottom of the 20 L carboy. To maintain sample homogeneity, a stainless steel paddle was inserted to the bottom of the carboy and turned at a rate of 80-120 rpm while the water was being dispensed. Each BOD bottle had been soaked in 10 percent HCl, rinsed 3 times with distilled water, and rinsed once with sample water. BOD bottles were carefully filled with sample water to avoid the addition of oxygen. All bottles were filled within 30 minutes of collection. Six light and 6 dark bottles were filled with water collected at each station. All 6 light bottles were immediately fixed with Winkler reagents to provide a measurement of dissolved oxygen concentration at time zero. Six dark bottles were wrapped with aluminum foil as an additional precaution against exposure to light and placed in a dark incubation chamber through which ambient water flowed to maintain sample temperature. Samples were incubated for 24 hours, then fixed with Winkler reagents. The respiration samples were titrated with 0.01 N sodium thiosulfate in the same manner as described above to determine final oxygen

concentration. The highest and lowest values among the 6 replicates were eliminated to calculate a trimmed mean for each measurement. The respiration rate was calculated by subtracting the mean time zero oxygen concentration from the mean oxygen concentration after 24 hr incubation. A confidence interval was calculated for each cruise date by pooling the respiration rates from each of the six stations.

Phytoplankton Species Composition and Abundance

Water samples were usually collected from the same carboy as the photosynthesis and respiration samples. Samples of 100 mL were preserved with Lugol's solution (final concentration 1 percent). On several occasions water samples from depths below 2 meters were collected with a peristaltic pump. Identification and enumeration of phytoplankton were made with a Leitz phase-contrast microscope by the method of Utermohl (1958). Aliquots for counting and identification ranged from 2-5 mL depending on sample turbidity. Phytoplankton cells greater than 30 μm in diameter were enumerated at 125X. Smaller cells were counted at 1250X. The entire bottom of the chamber was viewed during the count at 125X. At least 100 cells of the most numerous taxa were counted using the strip count method at 1250X (American Public Health Association, 1989). Cell volumes were estimated for dominant taxa by measuring the cell dimensions of 50 to 100 individuals and applying the geometric formulas given by Wetzel and Likens (1991). For rare taxa, volume estimates were made from fewer measurements of cell dimensions. Identification of diatoms and dinoflagellates were made after the cell contents were cleared in 30 percent hydrogen peroxide and the cells were mounted in Hyrax Mounting Medium.

REFERENCES

- American Public Health Association, 1989, Standard Methods for the Examination of Water and Wastewater: 17th edition. American Public Health Association, Washington, D.C. 1550 p.
- Fofonoff, N. P. and Millard, R. C., Jr., eds., 1983, Algorithms for computation of fundamental properties of seawater: UNESCO Technical Papers in Marine Science, Number 44, UNESCO, Paris.
- Graneli, W. and Graneli, E., 1991, Automatic potentiometric determination of dissolved oxygen: *Marine Biology* v. 108, p. 341-348.
- Hager, S.W., 1993, Dissolved nutrient and suspended particulate matter data for the San Francisco Bay Estuary, California. October 1988 through September 1991: U.S. Geological Survey. Open-File Report 93-57 p.
- Jassby, A.D. and Platt, T, 1976, Mathematical formulation of the relationship between photosynthesis and light for phytoplankton: *Limnology and Oceanography* v. 21, p. 540-547.
- Knapp, G.P., Stalcup, M.C., and Stanley, R.J, 1991, Iodine losses during Winkler titrations: *Deep-Sea Research* v. 38, p. 121-128.
- Lewis, M.R. and Smith, R.C., 1983, A small volume, short-incubation time method for measurement of photosynthesis as a function of incident irradiance: *Marine Ecology Progress Series* v. 13, p. 99-112.
- Lorenzen, C. J., 1967, Determination of chlorophyll and phaeopigments. Spectrophotometric equations: *Limnology and Oceanography*, v. 12, p. 343-346.
- Millero, F. J., Chen, C.T., Bradshaw, A., and Schleicher, K., 1981, Summary of data treatment for the international high pressure equation of state for seawater:

- UNESCO Technical Papers in Marine Science, Number 38, UNESCO, Paris.
- Millero, F. J. and Poisson, A., 1981, Summary of data treatment for the international one atmosphere equations of state for seawater: UNESCO Technical Papers in Marine Science, Number 38, UNESCO, Paris.
- Owens, W.B. and Millard, R.C., Jr, 1985, A new algorithm for CTD oxygen calibration: *Journal of Physical Oceanography*. v. 15, p. 621-631.
- Riemann, B., 1978, Carotenoid interference in spectrophotometric determination of chlorophyll degradation products from natural populations of phytoplankton: *Limnology and Oceanography*, v. 23, p. 1059-1066.
- Steeman-Nielsen, E., 1952, The use of radioactive carbon (C-14) for measuring organic production in the sea: *Journal du Conseil Permanent International pour l'Exploration de la Mer*, v. 18, p. 117-140.
- Strickland, J.D.H. and Parsons, T.R, 1972, A practical handbook of seawater analysis: Fisheries Research Board Canada, Ottawa, Canada. 310 p.
- Utermohl, H., 1958, Zur Vervollkommnung der quantitativen Phytoplankton-Methodik: *Internat. Verein. Limnologie Mitt.*, no. 9, 38 p.
- Wetzel, R.G. and Likens, G.E., 1991, *Limnological Analyses: 2nd edition*. Springer-Verlag, New York. 391 p.

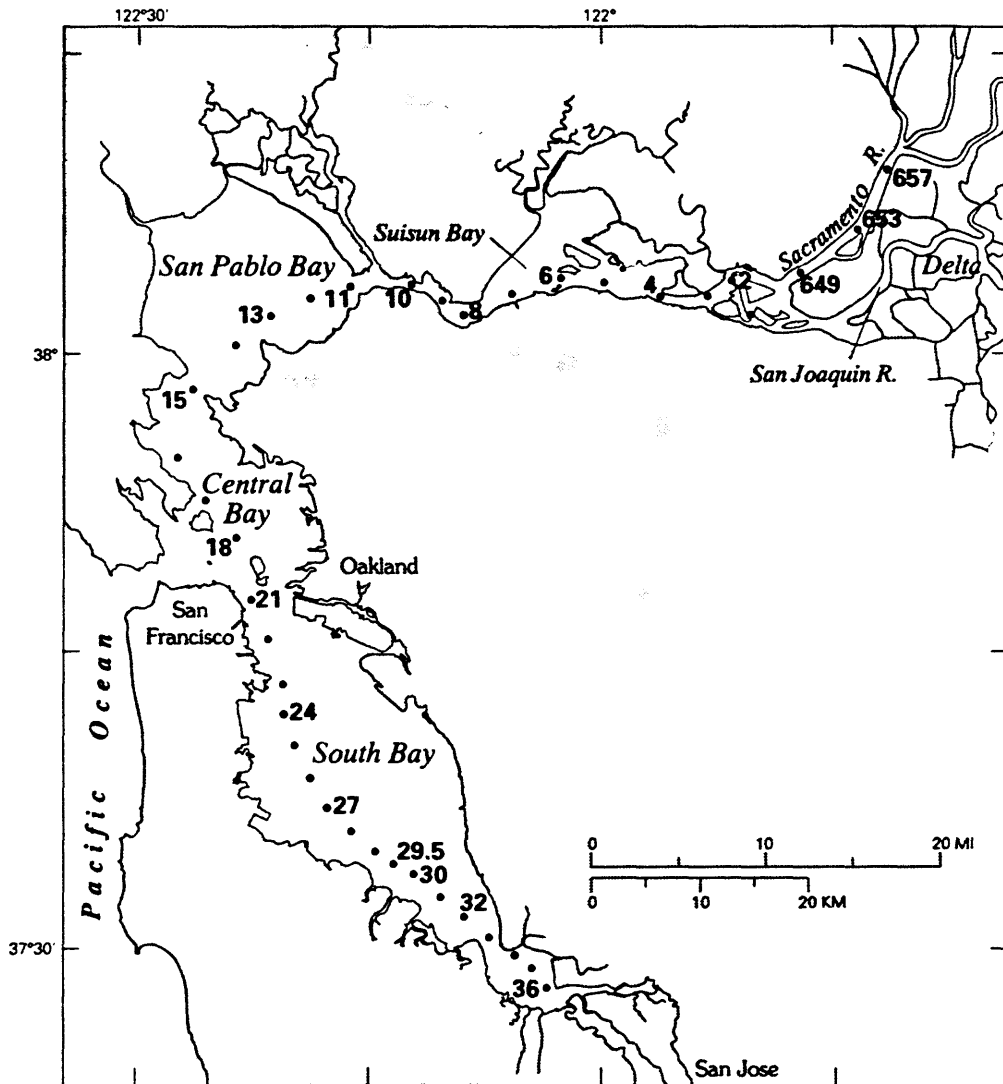


Figure 1 - Map of San Francisco Bay estuary showing locations of water sampling stations

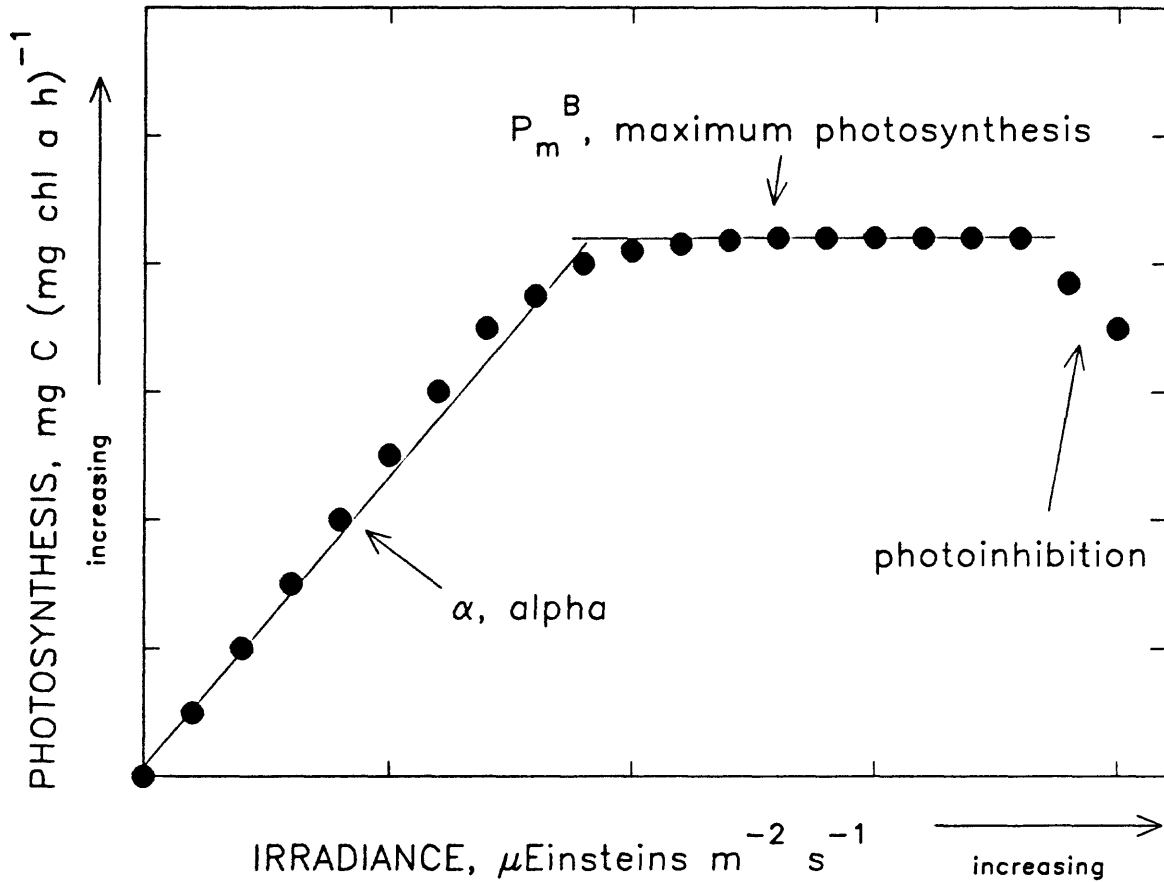


Figure 2 - Hypothetical curve of photosynthesis as a function of irradiance. At low irradiance, increases in light result in increases in photosynthesis, as defined by the term α . Over some middle range of irradiance, there is no change in the rate of photosynthesis (P_m^B). At still higher irradiances, light inhibits photosynthesis and the rate declines.

Table 1 - San Francisco Bay Stations

Station Number	Station Name	North Latitude	West Longitude	Depth, in meters, at mean low water
657	Rio Vista	38° 8.9'	121° 41.3'	10.1
655	N. of Three Mile Slough	7.3'	42.1'	10.1
653	Mid-Decker Island	6.3'	43.2'	10.1
649	Sacramento River	3.7'	48.0'	10.1
2	Chain Island	3.8'	51.3'	11.3
3	Pittsburg	3.0'	52.7'	11.3
4	Simmons Point	2.9'	56.1'	11.6
5	Middle Ground	3.6'	58.8'	9.8
6	Roe Island	3.9'	122° 2.1'	10.1
7	Avon Pier	2.9'	5.8'	11.6
8	Martinez	1.8'	9.1'	14.3
9	Benicia	3.0'	10.4'	34.4
10	Crockett	3.6'	12.5'	17.7
11	Mare Island	3.7'	15.8'	15.5
12	Pinole Shoal	3.1'	18.7'	8.8
13	N. of Pinole Point	1.7'	22.2'	9.8

14	"Echo" Buoy	0.4'	24.3'	13.1
15	Point San Pablo	37° 58.5'	26.2'	22.9
16	"Charlie" Buoy	54.9'	26.8'	12.8
18	Point Blunt	50.8'	25.3'	43.0
21	Bay Bridge	47.3'	21.5'	17.4
22	Potrero Point	45.9'	21.5'	18.0
23	Hunter's Point	43.7'	20.2'	20.1
24	Candlestick Point	41.9'	20.3'	11.0
25	Oyster Point	40.2'	19.5'	8.8
26	San Bruno Shoal	38.1'	18.8'	9.8
27	San Francisco Airport	37.1'	17.5'	
28	N. of San Mateo Bridge	36.1'	16.2'	16.2
29	S. of San Mateo Bridge	34.8'	14.7'	14.6
30	Redwood Creek	33.3'	11.4'	12.8
31	Coyote Hills	31.7'	9.5'	13.7
32	Ravenswood Point	31.1'	8.0'	128
33	Dumbarton Bridge	30.5'	7.3'	11.6
34	Newark Slough	29.7'	5.6'	7.9
35	Mowry Slough	28.8'	4.8'	8.5
36	Calaveras Point	28.3'	3.9'	7.9

Non-Standard Stations

757	Three Mile Slough	38° 5.1'	121° 40.8'	15.2
746	New York Slough	1.8'	49.9'	10.1
4.1		3.3'	122° 56.7'	8.8
6.1		3.7'	2.2'	9.8
8.1		1.9'	8.4'	14.9
12.5	Pinole Point	2.4'	18.9'	6.7
28.5		37° 35.5'	15.5'	
29.5		34.1'	13.1'	14.6

Table 2 - Dates of Cruises and Stations Occupied

South Bay

 CTD cast  No data

DATE		STATION															Other Stations		
YEAR	MO/DAY	36	35	34	33	32	31	30	295	29	28	27	26	25	24	23		22	21
1993	1/5																		28.5
1993	1/26																		
1993	2/16																		
1993	2/24																		
1993	3/11																		
1993	3/18																		
1993	3/25																		
1993	3/30																		
1993	4/6																		
1993	4/15																		28.5
1993	4/22																		
1993	4/30																		
1993	5/12																		
1993	5/19																		
1993	6/2																		
1993	6/14																		
1993	7/13																		
1993	8/10																		28.5
1993	9/8																		
1993	10/5																		28.5
1993	11/9																		
1993	12/8																		

North Bay

 CTD cast  No data

DATE		STATION																Other Stations			
YEAR	MO/DAY	657	653	649	2	3	4	5	6	7	8	9	10	11	12	13	14		15	16	18
1993	1/27																				757,8.1
1993	2/24																				
1993	3/31																				12.5,757,746
1993	4/15																				
1993	5/12																				
1993	6/15																				4.1,8.1,12.5,75
1993	7/13																				
1993	8/10																				
1993	9/8																				
1993	10/6																				12.5,757,4.1
1993	11/8																				
1993	12/7																				12.5

APPENDIX 1

Photosynthesis-irradiance (P-I) parameters in San Francisco Bay in 1993. P_m^B is the maximum daily carbon assimilation rate in mg C (mg Chl a h)⁻¹ and α is the initial slope as defined in text with units of mg C (mg Chl a h)⁻¹(μ Einsteins m² s⁻¹)⁻¹.

Station	32	27	18	13	6	657
	P_m^B	P_m^B	P_m^B	P_m^B	P_m^B	P_m^B
	α	α	α	α	α	α
Feb 24	6.13	7.61	6.79	4.65	4.32	1.95
Mar 30	12.45	8.07	n.a ^a	n.a.	n.a.	n.a.
Apr 15	10.75	8.39	7.38	5.88	5.18	8.19
Jun 14	10.79	7.88	6.18	10.68	5.18	5.94
Aug 10	7.13	5.77	9.52	11.79	4.98	11.66
Oct 5	16.43	13.45	7.43	9.15	8.37	6.26
Dec 7	7.67	9.54	7.71	4.59	5.20	2.62
						0.025
						0.027
						0.025

^a n.a. = not available

APPENDIX 2

Community Respiration Rates (mg O₂/L/d) in San Francisco Bay in 1993

Station	32	27	18	13	6	657	95% CI ^a
Feb 16	109.9	n.a. ^b	n.a.	n.a.	n.a.	n.a.	36.4
Feb 24	103.2	60.1	40.8	11.8	99.0	123.2	36.6
Mar 18	524.3	n.a.	n.a.	n.a.	n.a.	n.a.	33.6
Mar 30	816.8	579.6	n.a.	n.a.	n.a.	n.a.	5.2
Apr 15	258.3	367.0	204.9	347.4	123.7	110.8	27.1
Jun 15	292.7	143.0	437.0	497.6	255.1	172.9	30.1
Aug 10	149.7	123.3	227.9	161.2	95.7	89.5	21.5
Oct 5	85.4	93.6	110.6	117.4	45.9	68.1	8.1
Dec 8	45.8	60.1	46.3	73.9	86.3	74.3	10.5

^a Confidence interval calculated by pooling values from all stations

^b n.a. = not available

APPENDIX 3

Data Summaries of Hydrographic Properties

Explanation of Abbreviations and Units

<u>Variable</u>	<u>Abbreviation</u>	<u>Units</u>
station	STN	
time at which sample was taken	TIME	local time
depth at which sample was taken	DEPTH	meters
measured chlorophyll a	DISCR CHL a	μg per liter
proportion of calculated chlorophyll a to measured pigments and degradation products	CHL a/a + PHA	fraction
fluorescence	FLUOR	volts
calculated chlorophyll a	CALC CHL a	μg per liter
measured dissolved oxygen	DISCR OXYG	mg O ₂ per liter
dissolved oxygen from CTD	OXYG	mg O ₂ per liter
calculated dissolved oxygen	CALC OXYG	mg O ₂ per liter
measured suspended particulate material	DISCR SPM	mg per liter
optical backscatter	OBS	volts
calculated suspended particulate matter	CALC SPM	mg per liter
extinction coefficient	EXCOF	per meter
salinity	SALIN	practical salinity units (PSU)
temperature	TEMP	degrees Celsius
sigma-theta	SIGT	kg per cubic meter

LOCATION: South San Francisco Bay

DATE: January 5, 1993

JULIAN DAY: 93005

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	1026	1.0	1.3	0.65	0.38	1.3	8.9	8.9	8.9	0.17	0.17		1.3	27.14	8.19	21.08
33.0	1026	2.0			0.37	1.3		9.0	9.0	0.16	0.16			27.58	8.43	21.40
33.0	1026	3.0			0.35	1.4		9.0	9.0	0.16	0.16			28.33	8.74	21.94
33.0	1026	4.0			0.34	1.4		9.0	9.0	0.15	0.15			28.61	8.88	22.14
33.0	1026	5.0			0.33	1.4		9.0	9.0	0.15	0.15			28.80	8.98	22.27
33.0	1026	6.0			0.32	1.4		9.0	9.0	0.14	0.14			28.89	9.04	22.33
33.0	1026	7.0			0.32	1.4		9.0	9.0	0.15	0.15			28.93	9.08	22.36
33.0	1026	8.0			0.32	1.4		9.0	9.0	0.16	0.16			28.96	9.12	22.37
33.0	1026	9.0			0.32	1.4		9.0	9.0	0.18	0.18			29.01	9.16	22.41
33.0	1026	10.0			0.33	1.4		9.0	9.0	0.20	0.20			29.05	9.20	22.44
33.0	1026	11.0			0.32	1.4		8.9	8.9	0.23	0.23			29.08	9.22	22.46
25	1033	1.0			0.35	1.4		8.8	8.9	0.14	0.14		1.2	28.28	8.66	21.91
32.0	1033	2.0			0.35	1.4		8.8	8.9	0.15	0.15			28.52	8.83	22.07
32.0	1033	3.0			0.33	1.4		8.8	8.9	0.19	0.19			28.84	8.97	22.30
32.0	1033	4.0			0.32	1.4		8.8	8.9	0.15	0.15			29.00	9.09	22.41
32.0	1033	5.0			0.31	1.4		8.7	8.9	0.15	0.15			29.12	9.20	22.49
32.0	1033	6.0			0.31	1.4		8.7	8.9	0.16	0.16			29.18	9.23	22.53
32.0	1033	7.0			0.31	1.4		8.7	8.9	0.17	0.17			29.19	9.24	22.54
32.0	1033	8.0			0.31	1.4		8.6	8.9	0.19	0.19			29.19	9.24	22.54
32.0	1033	9.0			0.31	1.4		8.6	8.9	0.20	0.20			29.19	9.24	22.54
32.0	1033	10.0			0.32	1.4		8.6	8.9	0.21	0.21			29.19	9.24	22.54
32.0	1033	11.0			0.32	1.4		8.6	8.9	0.22	0.22			29.19	9.25	22.54
32.0	1033	12.0			0.32	1.4		8.6	8.9	0.22	0.22			29.20	9.25	22.54
32.0	1033	13.0			0.32	1.4		8.6	8.9	0.23	0.23			29.20	9.25	22.54
32.0	1033	14.0			0.33	1.4		8.6	8.9	0.24	0.24			29.20	9.25	22.54
32.0	1033	15.0			0.33	1.4		8.6	8.9	0.24	0.24			29.20	9.25	22.54
31.0	1045	1.0			0.35	1.4		8.9	8.9	0.13	0.13		1.3	29.04	9.11	22.44
31.0	1045	2.0			0.35	1.4		8.9	8.9	0.13	0.13			29.05	9.11	22.45
31.0	1045	3.0			0.34	1.4		8.9	8.9	0.13	0.13			29.08	9.12	22.47

LOCATION: South San Francisco Bay

DATE: January 5, 1993

JULIAN DAY: 93005

SeaBird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC		DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC		EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			SPM	SPM												
31.0	1045	4.0			0.33	1.4	1.4	8.8	8.9	8.9	8.9	0.13			29.15	9.13		22.52		
31.0	1045	5.0			0.32	1.4	1.4	8.8	8.9	8.9	8.9	0.14			29.22	9.16		22.58		
31.0	1045	6.0			0.31	1.4	1.4	8.8	8.9	8.9	8.9	0.15			29.27	9.18		22.61		
31.0	1045	7.0			0.32	1.4	1.4	8.8	8.9	8.9	8.9	0.17			29.28	9.19		22.61		
31.0	1045	8.0			0.32	1.4	1.4	8.8	8.9	8.9	8.9	0.17			29.29	9.20		22.62		
31.0	1045	9.0			0.33	1.4	1.4	8.8	8.9	8.9	8.9	0.18			29.29	9.21		22.62		
31.0	1045	10.0			0.33	1.4	1.4	8.8	8.9	8.9	8.9	0.20			29.30	9.22		22.63		
31.0	1045	11.0			0.33	1.4	1.4	8.8	8.9	8.9	8.9	0.20			29.30	9.22		22.62		
31.0	1045	12.0			0.33	1.4	1.4	8.7	8.9	8.9	8.9	0.20			29.30	9.23		22.63		
31.0	1045	13.0			0.34	1.4	1.4	8.7	8.9	8.9	8.9	0.20			29.31	9.24		22.63		
31.0	1045	14.0			0.34	1.4	1.4	8.7	8.9	8.9	8.9	0.21			29.31	9.24		22.63		
31.0	1045	15.0			0.34	1.4	1.4	8.7	8.9	8.9	8.9	0.20			29.31	9.24		22.63		
31.0	1045	16.0			0.34	1.4	1.4	8.7	8.9	8.9	8.9	0.20			29.31	9.25		22.63		
30.0	1105	1.0	1.4	0.67	0.34	1.4	1.4	8.6	8.9	8.9	8.9	0.09			1.1	29.36	9.27		22.67	
30.0	1105	2.0			0.33	1.4	1.4	8.6	8.9	8.9	8.9	0.12				29.38	9.27		22.68	
30.0	1105	3.0			0.32	1.4	1.4	8.6	8.9	8.9	8.9	0.13				29.39	9.28		22.69	
30.0	1105	4.0			0.32	1.4	1.4	8.6	8.9	8.9	8.9	0.15				29.40	9.29		22.69	
30.0	1105	5.0			0.31	1.4	1.4	8.6	8.9	8.9	8.9	0.16				29.42	9.30		22.71	
30.0	1105	6.0			0.31	1.4	1.4	8.6	8.9	8.9	8.9	0.17				29.43	9.31		22.72	
30.0	1105	7.0			0.31	1.4	1.4	8.6	8.9	8.9	8.9	0.18				29.46	9.33		22.73	
30.0	1105	8.0			0.31	1.4	1.4	8.6	8.9	8.9	8.9	0.19				29.47	9.33		22.74	
30.0	1105	9.0			0.31	1.4	1.4	8.6	8.9	8.9	8.9	0.21				29.47	9.33		22.74	
30.0	1105	10.0			0.32	1.4	1.4	8.6	8.9	8.9	8.9	0.22				29.48	9.34		22.75	
30.0	1105	11.0			0.33	1.4	1.4	8.6	8.9	8.9	8.9	0.23				29.48	9.34		22.75	
30.0	1105	12.0			0.33	1.4	1.4	8.6	8.9	8.9	8.9	0.26				29.48	9.34		22.75	
29.5	1115	1.0			0.33	1.4	1.4	8.7	8.9	8.9	8.9	0.10			1.2	29.42	9.33		22.70	
29.5	1115	2.0			0.32	1.4	1.4	8.7	8.9	8.9	8.9	0.11				29.44	9.29		22.73	
29.5	1115	3.0			0.32	1.4	1.4	8.8	8.9	8.9	8.9	0.12				29.45	9.27		22.74	
29.5	1115	4.0			0.31	1.4	1.4	8.8	8.9	8.9	8.9	0.15				29.46	9.27		22.74	

LOCATION: South San Francisco Bay
 DATE: January 5, 1993
 JULIAN DAY: 93005
 SeaBird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC		DISCR	OXYG	CALC		DISCR	OBS	CALC		EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			CHL a	OXYG			SPM	SPM								
29.5	1115	5.0			0.31	1.4	8.8	8.9					0.17				29.47	9.27	22.75	
29.5	1115	6.0			0.31	1.4	8.8	8.9					0.18				29.47	9.27	22.75	
29.5	1115	7.0			0.31	1.4	8.8	8.9					0.19				29.48	9.28	22.75	
29.5	1115	8.0			0.31	1.4	8.9	8.9					0.20				29.48	9.29	22.76	
29.5	1115	9.0			0.31	1.4	8.9	8.9					0.21				29.49	9.30	22.76	
29.5	1115	10.0			0.31	1.4	8.9	8.9					0.22				29.49	9.30	22.76	
29.5	1115	11.0			0.31	1.4	8.9	8.9					0.23				29.49	9.31	22.76	
29.5	1115	12.0			0.32	1.4	8.9	8.9					0.26				29.49	9.31	22.76	
29.5	1115	13.0			0.32	1.4	8.9	8.9					0.28				29.49	9.31	22.76	
29.5	1115	14.0			0.33	1.4	8.9	8.9					0.33				29.49	9.31	22.76	
29.5	1115	15.0			0.33	1.4	8.9	8.9					0.34				29.49	9.31	22.76	
29.5	1115	16.0			0.34	1.4	8.9	8.9					0.40				29.49	9.31	22.76	
29.5	1115	17.0			0.34	1.4	8.9	8.9					0.42				29.49	9.31	22.76	
29.0	1126	1.0			0.32	1.4	8.6	8.9					0.13		1.2		29.39	9.25	22.69	
29.0	1126	2.0			0.31	1.4	8.6	8.9					0.14				29.39	9.23	22.69	
29.0	1126	3.0			0.31	1.4	8.6	8.9					0.14				29.39	9.22	22.70	
29.0	1126	4.0			0.31	1.4	8.6	8.9					0.15				29.39	9.21	22.70	
29.0	1126	5.0			0.31	1.4	8.6	8.9					0.17				29.39	9.22	22.70	
29.0	1126	6.0			0.31	1.4	8.6	8.9					0.18				29.40	9.23	22.70	
29.0	1126	7.0			0.31	1.4	8.6	8.9					0.18				29.41	9.24	22.71	
29.0	1126	8.0			0.31	1.4	8.6	8.9					0.20				29.41	9.24	22.71	
29.0	1126	9.0			0.31	1.4	8.6	8.9					0.20				29.42	9.25	22.72	
29.0	1126	10.0			0.31	1.4	8.6	8.9					0.20				29.44	9.25	22.73	
29.0	1126	11.0			0.32	1.4	8.6	8.9					0.20				29.44	9.25	22.73	
29.0	1126	12.0			0.33	1.4	8.6	8.9					0.21				29.44	9.25	22.73	
29.0	1126	13.0			0.33	1.4	8.6	8.9					0.25				29.44	9.25	22.73	
29.0	1126	14.0			0.34	1.4	8.6	8.9					0.29				29.44	9.25	22.73	
29.0	1126	15.0			0.34	1.4	8.6	8.9					0.30				29.44	9.25	22.73	
29.0	1126	16.0			0.34	1.4	8.6	8.9					0.31				29.44	9.25	22.73	

LOCATION: South San Francisco Bay
 DATE: January 5, 1993
 JULIAN DAY: 93005
 SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPH	CALC OBS	EXCOF	SALIN	TEMP	SIGT
28.5	1154	1.0	1.3	0.65	0.33	1.4	9.0	8.8	8.9	0.11	1.1	29.38	9.24	22.68
28.5	1154	2.0			0.32	1.4		8.9	8.9	0.12		29.39	9.24	22.69
28.5	1154	3.0			0.31	1.4		9.0	9.0	0.13		29.40	9.25	22.70
28.5	1154	4.0			0.31	1.4		9.1	9.0	0.14		29.41	9.25	22.71
28.5	1154	5.0			0.30	1.5		9.1	9.0	0.17		29.42	9.25	22.72
28.5	1154	6.0			0.30	1.5		9.1	9.0	0.19		29.43	9.25	22.72
28.5	1154	7.0			0.30	1.4		9.2	9.0	0.18		29.43	9.25	22.72
28.5	1154	8.0			0.31	1.4		9.2	9.0	0.19		29.44	9.25	22.73
28.5	1154	9.0			0.31	1.4		9.2	9.0	0.23		29.45	9.24	22.74
28.5	1154	10.0			0.32	1.4		9.2	9.0	0.24		29.45	9.24	22.74
28.5	1154	11.0			0.33	1.4		9.2	9.0	0.32		29.47	9.23	22.75
28.5	1154	12.0			0.33	1.4		9.2	9.0	0.35		29.47	9.23	22.75
28.5	1154	13.0			0.33	1.4		9.3	9.0	0.36		29.47	9.23	22.75
28.5	1154	14.0			0.34	1.4		9.3	9.0	0.36		29.47	9.23	22.76
28.5	1154	15.0			0.34	1.4		9.3	9.0	0.46		29.47	9.23	22.76
28.5	1154	16.0			0.34	1.4		9.3	9.0	0.52		29.47	9.23	22.76
28.5	1139	2.0			0.34	1.4		8.6	8.9	0.11	1.0	29.37	9.21	22.68
28.5	1139	3.0			0.34	1.4		8.7	8.9	0.10		29.37	9.21	22.68
28.5	1139	4.0			0.32	1.4		8.7	8.9	0.11		29.38	9.20	22.69
28.5	1139	5.0			0.31	1.4		8.7	8.9	0.10		29.38	9.18	22.70
28.5	1139	6.0			0.31	1.4		8.7	8.9	0.11		29.40	9.18	22.71
28.5	1139	7.0			0.31	1.4		8.7	8.9	0.13		29.41	9.19	22.72
28.5	1139	8.0			0.31	1.4		8.7	8.9	0.14		29.42	9.20	22.72
28.5	1139	9.0			0.31	1.4		8.7	8.9	0.14		29.43	9.20	22.73
28.5	1139	10.0			0.30	1.5		8.7	8.9	0.14		29.44	9.20	22.74
28.5	1139	11.0			0.30	1.4		8.7	8.9	0.14		29.45	9.20	22.75
28.5	1139	12.0			0.31	1.4		8.7	8.9	0.15		29.47	9.19	22.76
28.5	1139	13.0			0.32	1.4		8.7	8.9	0.17		29.51	9.13	22.81
28.5	1139	14.0			0.32	1.4		8.7	8.9	0.21		29.53	9.10	22.82
28.5	1139	15.0			0.33	1.4		8.7	8.9	0.27		29.54	9.08	22.83

LOCATION: South San Francisco Bay
 DATE: January 5, 1993
 JULIAN DAY: 93005
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
28.5	1159	16.0			0.33	1.4	8.7	8.9		8.9		0.32			29.55	9.06	22.85
27.0	1228	1.0	1.5	0.75	0.32	1.4	8.6	8.9		8.9		0.10		1.0	29.34	9.22	22.66
27.0	1228	2.0			0.32	1.4	8.6	8.9		8.9		0.09			29.34	9.23	22.65
27.0	1228	3.0			0.31	1.4	8.6	8.9		8.9		0.09			29.35	9.20	22.67
27.0	1228	4.0			0.31	1.4	8.6	8.9		8.9		0.09			29.36	9.19	22.68
27.0	1228	5.0			0.31	1.4	8.6	8.9		8.9		0.10			29.36	9.18	22.68
27.0	1228	6.0			0.31	1.4	8.6	8.9		8.9		0.12			29.40	9.16	22.71
27.0	1228	7.0			0.31	1.4	8.6	8.9		8.9		0.15			29.41	9.15	22.72
27.0	1228	8.0			0.31	1.4	8.6	8.9		8.9		0.20			29.42	9.15	22.74
27.0	1228	9.0			0.32	1.4	8.7	8.9		8.9		0.21			29.44	9.14	22.75
27.0	1228	10.0			0.33	1.4	8.7	8.9		8.9		0.25			29.45	9.14	22.75
27.0	1228	11.0			0.33	1.4	8.7	8.9		8.9		0.28			29.45	9.13	22.76
27.0	1228	12.0			0.33	1.4	8.7	8.9		8.9		0.32			29.45	9.13	22.76
27.0	1228	13.0			0.33	1.4	8.6	8.9		8.9		0.35			29.45	9.13	22.76
25.0	1254	1.0			0.31	1.4	8.8	8.9		8.9		0.30		1.7	29.28	8.97	22.65
25.0	1254	2.0			0.32	1.4	8.8	8.9		8.9		0.30			29.28	8.96	22.65
25.0	1254	3.0			0.32	1.4	8.8	8.9		8.9		0.32			29.28	8.96	22.65
25.0	1254	4.0			0.31	1.4	8.8	8.9		8.9		0.31			29.28	8.96	22.65
25.0	1254	5.0			0.31	1.4	8.8	8.9		8.9		0.33			29.28	8.96	22.65
25.0	1254	6.0			0.32	1.4	8.8	8.9		8.9		0.33			29.29	8.95	22.66
25.0	1254	7.0			0.32	1.4	8.8	8.9		8.9		0.34			29.28	8.95	22.65
25.0	1254	8.0			0.33	1.4	8.8	8.9		8.9		0.38			29.28	8.95	22.65
25.0	1254	9.0			0.32	1.4	8.8	8.9		8.9		0.40			29.28	8.96	22.65
24.0	1311	1.0			0.33	1.4	8.5	8.9		8.9		0.43		2.3	28.83	9.36	22.24
24.0	1311	2.0			0.32	1.4	8.6	8.9		8.9		0.44			28.83	9.36	22.24
24.0	1311	3.0			0.32	1.4	8.6	8.9		8.9		0.46			28.83	9.36	22.24
24.0	1311	4.0			0.32	1.4	8.6	8.9		8.9		0.47			28.83	9.36	22.24
24.0	1311	5.0			0.32	1.4	8.6	8.9		8.9		0.47			28.83	9.36	22.24

LOCATION: South San Francisco Bay
 DATE: January 5, 1993
 JULIAN DAY: 93005
 SeeBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OXYG	DISCR	OXYG	CALC	DISCR	OBS	SPM	CALC	EXCOF	SALIN	TEMP	SIGT
24.0	1311	6.0			0.33	1.4		8.6	8.9							0.47				28.83	9.36	22.24
24.0	1311	7.0			0.33	1.4		8.6	8.9							0.47				28.83	9.36	22.24
24.0	1311	8.0			0.33	1.4		8.7	8.9							0.48				28.83	9.36	22.24
24.0	1311	9.0			0.33	1.4		8.7	8.9							0.49				28.83	9.36	22.24
24.0	1311	10.0			0.34	1.4		8.7	8.9							0.51				28.83	9.36	22.24
24.0	1311	11.0			0.34	1.4		8.7	8.9							0.51				28.82	9.37	22.23
23.0	1325	1.0			0.33	1.4		8.5	8.9							0.62			2.5	28.71	9.38	22.14
23.0	1325	2.0			0.33	1.4		8.7	8.9							0.57				28.71	9.38	22.14
23.0	1325	3.0			0.34	1.4		8.7	8.9							0.57				28.70	9.38	22.14
23.0	1325	4.0			0.34	1.4		8.7	8.9							0.59				28.70	9.38	22.14
23.0	1325	5.0			0.35	1.4		8.8	8.9							0.61				28.70	9.38	22.14
23.0	1325	6.0			0.35	1.4		8.8	8.9							0.62				28.70	9.38	22.14
23.0	1325	7.0			0.35	1.4		8.8	8.9							0.63				28.71	9.38	22.14
23.0	1325	8.0			0.36	1.3		8.8	8.9							0.64				28.70	9.38	22.14
23.0	1325	9.0			0.36	1.3		8.9	8.9							0.64				28.70	9.38	22.14
23.0	1325	10.0			0.35	1.3		8.9	8.9							0.65				28.71	9.38	22.14
23.0	1325	11.0			0.35	1.4		8.9	8.9							0.67				28.71	9.38	22.14
23.0	1325	12.0			0.35	1.4		8.9	8.9							0.66				28.71	9.38	22.14
23.0	1325	13.0			0.35	1.4		8.9	8.9							0.68				28.71	9.38	22.14
23.0	1325	14.0			0.35	1.4		8.9	8.9							0.68				28.71	9.38	22.14
23.0	1325	15.0			0.36	1.3		8.9	8.9							0.69				28.71	9.38	22.14
23.0	1325	16.0			0.36	1.3		8.9	8.9							0.71				28.71	9.38	22.14
22.0	1340	1.0			0.35	1.4		8.5	8.9							0.72			3.5	28.57	9.62	21.99
22.0	1340	2.0			0.35	1.3		8.5	8.9							0.69				28.57	9.61	21.99
22.0	1340	3.0			0.36	1.3		8.5	8.9							0.70				28.56	9.64	21.99
22.0	1340	4.0			0.37	1.3		8.5	8.9							0.74				28.56	9.64	21.99
22.0	1340	5.0			0.37	1.3		8.5	8.9							0.75				28.56	9.63	21.99
22.0	1340	6.0			0.37	1.3		8.5	8.9							0.73				28.57	9.63	21.99
22.0	1340	7.0			0.37	1.3		8.5	8.9							0.77				28.56	9.63	21.99

LOCATION: South San Francisco Bay

DATE: January 5, 1993

JULIAN DAY: 93005

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
22.0	1340	8.0			0.37	1.3		8.5	8.9		0.79			28.56	9.64	21.99
22.0	1340	9.0			0.37	1.3		8.5	8.9		0.82			28.56	9.64	21.99
22.0	1340	10.0			0.37	1.3		8.5	8.9		0.83			28.56	9.64	21.99
22.0	1340	11.0			0.38	1.3		8.5	8.9		0.83			28.56	9.64	21.99
22.0	1340	12.0			0.38	1.3		8.5	8.9		0.82			28.56	9.64	21.99
22.0	1340	13.0			0.38	1.3		8.5	8.9		0.84			28.56	9.64	21.99
22.0	1340	14.0			0.37	1.3		8.5	8.9		0.85			28.56	9.65	21.99
22.0	1340	15.0			0.37	1.3		8.5	8.9		0.85			28.56	9.65	21.99
22.0	1340	16.0			0.37	1.3		8.5	8.9		0.86			28.56	9.65	21.98
22.0	1340	17.0			0.37	1.3		8.5	8.9		0.87			28.56	9.65	21.98
22.0	1340	18.0			0.37	1.3		8.5	8.9		0.89			28.56	9.65	21.98
22.0	1340	19.0			0.37	1.3		8.5	8.9		0.89			28.56	9.65	21.98
21.0	1352	1.0			0.35	1.4	8.8	8.4	8.9		0.66		3.1	28.58	9.61	22.01
21.0	1352	2.0			0.35	1.4		8.4	8.8		0.67			28.58	9.61	22.01
21.0	1352	3.0			0.35	1.3		8.4	8.8		0.70			28.58	9.61	22.01
21.0	1352	4.0			0.36	1.3		8.4	8.9		0.71			28.58	9.61	22.01
21.0	1352	5.0			0.36	1.3		8.4	8.9		0.70			28.58	9.61	22.01
21.0	1352	6.0			0.36	1.3		8.4	8.9		0.71			28.58	9.61	22.01
21.0	1352	7.0			0.37	1.3		8.4	8.9		0.71			28.58	9.61	22.01
21.0	1352	8.0			0.37	1.3		8.4	8.9		0.73			28.59	9.61	22.01
21.0	1352	9.0			0.37	1.3		8.4	8.9		0.74			28.59	9.61	22.01
21.0	1352	10.0			0.37	1.3		8.4	8.9		0.74			28.59	9.61	22.01
21.0	1352	11.0			0.37	1.3		8.4	8.9		0.75			28.59	9.61	22.01
21.0	1352	12.0			0.37	1.3		8.4	8.9		0.75			28.59	9.61	22.01
21.0	1352	13.0			0.38	1.3		8.4	8.9		0.76			28.59	9.61	22.01
21.0	1352	14.0			0.38	1.3		8.4	8.9		0.77			28.59	9.61	22.01
21.0	1352	15.0			0.37	1.3		8.4	8.9		0.78			28.59	9.61	22.01
21.0	1352	16.0			0.37	1.3		8.4	8.9		0.79			28.59	9.61	22.01
21.0	1352	17.0			0.38	1.3		8.4	8.9		0.80			28.59	9.61	22.01
21.0	1352	18.0			0.38	1.3		8.4	8.9		0.91			28.59	9.61	22.01

LOCATION: South San Francisco Bay
 DATE: January 5, 1993
 JULIAN DAY: 93005
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a/	FLUOR	CALC	DISCR	OXYG	OXYG	CALC	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	a+PHA		CHL a	OXYG	OXYG		OXYG	SPM		SPM				
.....																	
.....																	
			n	r^2			Slope					Inter.					Std. Err.
			4	0.292			-2.023					2.066					0.099
			3	0.690			0.185					7.297					0.050

Fluorometer Calibration:
 Dissolved Oxygen Calibration:

LOCATION: South San Francisco Bay

DATE: January 26, 1993

JULIAN DAY: 93026

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
36.0	0732	1.0	2.1	0.47	0.52	2.2	7.6	8.7	59.6	1.15	63.9	4.5	18.08	10.37	13.73			
36.0	0732	2.0		0.52	2.2	7.6	8.8		1.11	61.7	18.21	10.40	13.82					
36.0	0732	3.0		0.53	2.3	7.8	8.9		1.07	59.9	18.71	10.47	14.20					
36.0	0732	4.0		0.53	2.3	7.9	8.9		1.21	66.8	19.18	10.54	14.56					
36.0	0732	5.0		0.54	2.3	7.9	9.0		1.28	70.7	19.33	10.56	14.67					
36.0	0732	6.0		0.54	2.4	8.0	9.0		1.37	75.4	19.49	10.60	14.79					
36.0	0732	7.0		0.56	2.5	8.0	9.0		1.46	80.0	19.84	10.69	15.05					
36.0	0732	8.0		0.58	2.6	7.9	9.0		1.78	96.5	20.19	10.74	15.31					
36.0	0732	9.0	2.6	0.41	0.58	2.6	7.9	9.0	2.23	119.5	20.36	10.58	15.47					
35.0	0841	1.0		0.48	2.0	8.2	9.2	51.6	0.81	46.3	18.83	10.26	14.33					
35.0	0841	2.0		0.48	2.0	8.1	9.1		0.77	44.6	19.01	10.38	14.45					
35.0	0841	3.0		0.48	2.0	8.1	9.1		0.76	44.0	19.16	10.44	14.55					
35.0	0841	4.0		0.48	2.0	8.2	9.2		0.76	43.7	19.38	10.42	14.73					
35.0	0841	5.0		0.47	1.9	8.2	9.2		0.72	41.9	19.89	10.49	15.11					
35.0	0841	6.0		0.47	1.9	8.2	9.2		0.67	39.3	20.34	10.62	15.45					
35.0	0841	7.0		0.47	1.9	8.1	9.1		0.68	39.5	20.38	10.64	15.48					
35.0	0841	8.0		0.46	1.9	8.1	9.1		0.72	41.9	20.58	10.74	15.62					
35.0	0841	9.0		0.46	1.9	8.0	9.1		0.79	45.3	20.76	10.76	15.75					
34.0	0853	1.0		0.47	1.9	8.0	9.0	23.4	0.31	20.8	18.97	9.85	14.49					
34.0	0853	2.0		0.47	1.9	8.2	9.2		0.32	21.0	19.34	9.93	14.76					
34.0	0853	3.0		0.46	1.8	8.2	9.1		0.33	21.9	19.69	10.18	15.00					
34.0	0853	4.0		0.45	1.8	8.1	9.1		0.35	23.0	20.00	10.38	15.21					
34.0	0853	5.0		0.44	1.7	8.1	9.1		0.40	25.2	20.44	10.52	15.54					
34.0	0853	6.0		0.44	1.7	7.9	9.0		0.43	26.9	20.81	10.65	15.80					
34.0	0853	7.0		0.45	1.8	7.9	9.0		0.47	29.0	20.89	10.63	15.87					
34.0	0853	8.0		0.45	1.8	8.0	9.0		0.54	32.5	20.95	10.50	15.93					

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LOCATION: South San Francisco Bay
 DATE: January 26, 1993
 JULIAN DAY: 93026
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	0909	1.0			0.43	1.6	8.2	9.2	9.2	17.6	0.26	18.2	1.8	20.06	10.24	15.28
33.0	0909	2.0			0.43	1.6	8.2	9.1	9.1		0.26	18.0		20.59	10.37	15.68
33.0	0909	3.0			0.42	1.6	8.1	9.1	9.1		0.26	18.1		20.94	10.44	15.93
33.0	0909	4.0			0.42	1.6	8.1	9.1	9.1		0.28	19.0		20.99	10.44	15.98
33.0	0909	5.0			0.41	1.5	8.1	9.1	9.1		0.28	19.3		21.02	10.44	16.00
33.0	0909	6.0			0.42	1.6	8.1	9.1	9.1		0.30	20.3		21.05	10.44	16.02
33.0	0909	7.0			0.42	1.6	8.0	9.1	9.1		0.31	20.9		21.10	10.43	16.07
33.0	0909	8.0			0.42	1.6	8.1	9.1	9.1		0.32	21.2		21.21	10.40	16.15
33.0	0909	9.0			0.42	1.6	8.1	9.1	9.1		0.34	22.4		21.37	10.34	16.28
33.0	0909	10.0			0.42	1.6	8.2	9.2	9.2		0.37	23.9		21.56	10.37	16.43
33.0	0909	11.0			0.42	1.6	8.1	9.1	9.1		0.42	26.2		21.84	10.49	16.63
33.0	0909	12.0			0.42	1.6	8.1	9.1	9.1		0.48	29.6		22.12	10.56	16.84
33.0	0909	13.0			0.43	1.6	8.1	9.1	9.1		0.75	43.6		22.15	10.57	16.86
32.0	0919	1.0	1.6	0.67	0.45	1.8	7.6	8.7	8.7	15.0	0.20	15.3	1.7	20.41	10.33	15.54
32.0	0919	2.0			0.43	1.7	7.6	8.7	8.7		0.22	15.9		20.83	10.41	15.85
32.0	0919	3.0			0.42	1.6	7.6	8.7	8.7		0.22	16.1		21.07	10.40	16.04
32.0	0919	4.0			0.41	1.5	7.6	8.8	8.8		0.26	18.0		21.20	10.35	16.15
32.0	0919	5.0			0.41	1.5	7.7	8.8	8.8		0.31	20.8		21.31	10.37	16.23
32.0	0919	6.0			0.41	1.5	7.8	8.8	8.8		0.33	21.8		21.65	10.48	16.49
32.0	0919	7.0			0.40	1.5	7.8	8.9	8.9		0.34	22.2		21.98	10.54	16.73
32.0	0919	8.0			0.40	1.5	7.8	8.8	8.8		0.32	21.0		22.07	10.57	16.80
32.0	0919	9.0			0.40	1.5	7.8	8.9	8.9		0.30	20.2		22.09	10.57	16.81
32.0	0919	10.0			0.40	1.4	7.8	8.9	8.9		0.30	20.1		22.11	10.57	16.83
32.0	0919	11.0			0.40	1.5	7.8	8.9	8.9		0.30	20.2		22.20	10.57	16.90
32.0	0919	12.0			0.40	1.5	7.8	8.9	8.9		0.37	23.7		22.38	10.56	17.04
32.0	0919	13.0			0.40	1.5	7.8	8.9	8.9		0.45	27.9		22.47	10.56	17.11
32.0	0919	14.0			0.40	1.5	7.8	8.9	8.9		0.50	30.5		22.49	10.56	17.12

LOCATION: South San Francisco Bay
 DATE: January 26, 1993
 JULIAN DAY: 93026
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	1001	1.0			0.43	1.6		8.1	9.1	16.9	0.15	12.6	1.6	21.60	10.61	16.42
31.0	1001	2.0			0.41	1.5		8.1	9.1		0.16	13.0		22.03	10.52	16.77
31.0	1001	3.0			0.39	1.4		8.1	9.1		0.19	14.3		22.28	10.49	16.97
31.0	1001	4.0			0.39	1.4		8.1	9.1		0.20	15.1		22.37	10.44	17.05
31.0	1001	5.0			0.38	1.3		8.1	9.1		0.21	15.6		22.43	10.38	17.10
31.0	1001	6.0			0.38	1.3		8.2	9.1		0.23	16.5		22.46	10.34	17.13
31.0	1001	7.0			0.39	1.4		8.2	9.2		0.24	17.1		22.49	10.31	17.16
31.0	1001	8.0			0.40	1.4		8.3	9.2		0.25	17.7		22.54	10.30	17.20
31.0	1001	9.0			0.40	1.5		8.3	9.3		0.24	16.9		22.61	10.33	17.25
31.0	1001	10.0			0.40	1.4		8.3	9.2		0.22	16.2		22.70	10.45	17.31
31.0	1001	11.0			0.39	1.4		8.3	9.2		0.26	17.9		22.74	10.49	17.33
31.0	1001	12.0			0.39	1.4		8.3	9.2		0.29	19.9		22.76	10.50	17.34
31.0	1001	13.0			0.39	1.4		8.2	9.2		0.40	25.4		22.79	10.52	17.36
31.0	1001	14.0			0.40	1.4		8.2	9.2		0.51	31.0		22.79	10.52	17.36
31.0	1001	15.0			0.40	1.4		8.3	9.2		0.57	34.2		22.80	10.52	17.37
30.0	1022	1.0	1.9	0.58	0.41	1.5	9.2	8.2	9.2	10.2	0.11	10.4	1.1	22.51	10.31	17.17
30.0	1022	2.0			0.40	1.5		8.2	9.2		0.11	10.3		22.54	10.34	17.19
30.0	1022	3.0			0.39	1.4		8.2	9.2		0.12	10.9		22.54	10.34	17.20
30.0	1022	4.0			0.38	1.3		8.2	9.2		0.14	12.0		22.55	10.34	17.20
30.0	1022	5.0			0.38	1.3		8.3	9.2		0.17	13.5		22.57	10.35	17.21
30.0	1022	6.0			0.38	1.3		8.3	9.3		0.18	13.9		22.59	10.35	17.23
30.0	1022	7.0			0.37	1.3		8.3	9.2		0.19	14.5		22.64	10.37	17.27
30.0	1022	8.0			0.37	1.3		8.3	9.2		0.19	14.5		22.69	10.38	17.30
30.0	1022	9.0			0.37	1.3		8.3	9.3		0.18	14.2		22.71	10.39	17.32
30.0	1022	10.0			0.37	1.3		8.3	9.3		0.19	14.7		22.75	10.40	17.35
30.0	1022	11.0			0.37	1.3		8.3	9.3		0.19	14.7		22.78	10.42	17.37
30.0	1022	12.0			0.38	1.3		8.3	9.3		0.22	16.1		22.80	10.43	17.39
30.0	1022	13.0			0.38	1.3		8.3	9.3		0.31	20.4		22.81	10.43	17.39
30.0	1022	14.0			0.38	1.3		8.4	9.3		0.32	21.4		22.81	10.43	17.39

CS

LOCATION: South San Francisco Bay
 DATE: January 26, 1993
 JULIAN DAY: 93026
 SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.5	1043	1.0			0.40	1.4		8.3	9.2		0.06	8.1	1.2	22.15	10.28	16.90
29.5	1043	2.0			0.40	1.5		8.3	9.2		0.07	8.2		22.24	10.23	16.98
29.5	1043	3.0			0.40	1.4		8.3	9.2		0.07	8.5		22.27	10.22	17.00
29.5	1043	4.0			0.39	1.4		8.3	9.2		0.09	9.2		22.28	10.22	17.01
29.5	1043	5.0			0.38	1.3		8.3	9.2		0.11	10.2		22.28	10.21	17.01
29.5	1043	6.0			0.36	1.2		8.3	9.3		0.12	10.7		22.30	10.20	17.03
29.5	1043	7.0			0.36	1.2		8.3	9.2		0.13	11.5		22.41	10.26	17.10
29.5	1043	8.0			0.35	1.2		8.3	9.2		0.15	12.4		22.45	10.29	17.13
29.5	1043	9.0			0.35	1.2		8.3	9.3		0.15	12.5		22.49	10.31	17.16
29.5	1043	10.0			0.36	1.2		8.3	9.2		0.14	12.1		22.58	10.35	17.23
29.5	1043	11.0			0.36	1.2		8.3	9.2		0.13	11.6		22.63	10.36	17.26
29.5	1043	12.0			0.37	1.2		8.3	9.2		0.13	11.4		22.68	10.36	17.30
29.5	1043	13.0			0.36	1.2		8.3	9.2		0.12	11.1		22.72	10.37	17.33
29.5	1043	14.0			0.37	1.2		8.2	9.2		0.13	11.6		22.76	10.37	17.36
29.5	1043	15.0			0.37	1.3		8.2	9.2		0.18	14.2		22.79	10.38	17.38
29.5	1043	16.0			0.37	1.3		8.3	9.2		0.29	19.6		22.79	10.38	17.38
29.0	1057	1.0			0.43	1.6		8.5	9.4	7.7	0.06	8.1	1.0	19.68	10.38	14.97
29.0	1057	2.0			0.44	1.7		8.5	9.4		0.07	8.2		19.77	10.37	15.04
29.0	1057	3.0			0.43	1.7		8.4	9.3		0.06	8.1		20.09	10.35	15.29
29.0	1057	4.0			0.41	1.5		8.4	9.4		0.06	7.9		21.28	10.23	16.23
29.0	1057	5.0			0.39	1.4		8.4	9.3		0.06	8.0		22.07	10.20	16.85
29.0	1057	6.0			0.37	1.3		8.4	9.4		0.06	7.9		22.26	10.26	16.99
29.0	1057	7.0			0.36	1.2		8.5	9.4		0.07	8.1		22.33	10.26	17.04
29.0	1057	8.0			0.35	1.2		8.5	9.4		0.07	8.4		22.38	10.27	17.08
29.0	1057	9.0			0.35	1.1		8.5	9.4		0.08	8.6		22.51	10.30	17.17
29.0	1057	10.0			0.35	1.1		8.5	9.4		0.08	8.8		22.59	10.32	17.24
29.0	1057	11.0			0.35	1.1		8.5	9.4		0.08	9.0		22.72	10.33	17.33
29.0	1057	12.0			0.35	1.1		8.5	9.4		0.10	9.7		22.73	10.33	17.34
29.0	1057	13.0			0.35	1.2		8.5	9.4		0.11	10.6		22.75	10.34	17.35
29.0	1057	14.0			0.36	1.2		8.5	9.4		0.13	11.4		22.76	10.34	17.37

LOCATION: South San Francisco Bay

DATE: January 26, 1993

JULIAN DAY: 93026

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a												
29.0	1057	15.0			0.36	1.2	8.5	9.4			0.17	13.4		22.76	10.34	17.37
29.0	1057	16.0			0.36	1.2	8.5	9.4			0.20	15.0		22.77	10.34	17.37
28.0	1211	1.0			0.39	1.4	8.7	9.6			0.06	7.8	1.0	20.53	10.21	15.65
28.0	1211	2.0			0.38	1.3	8.7	9.6			0.06	7.8		20.89	10.20	15.93
28.0	1211	3.0			0.36	1.2	8.7	9.5			0.06	8.1		21.62	10.21	16.50
28.0	1211	4.0			0.35	1.1	8.7	9.5			0.07	8.3		21.70	10.22	16.56
28.0	1211	5.0			0.34	1.1	8.7	9.5			0.07	8.1		21.72	10.22	16.58
28.0	1211	6.0			0.34	1.1	8.6	9.5			0.06	8.1		21.73	10.22	16.59
28.0	1211	7.0			0.34	1.1	8.7	9.5			0.07	8.1		21.73	10.22	16.58
28.0	1211	8.0			0.34	1.1	8.7	9.5			0.07	8.1		21.74	10.22	16.59
28.0	1211	9.0			0.34	1.1	8.7	9.5			0.07	8.2		21.85	10.24	16.68
28.0	1211	10.0			0.33	1.0	8.6	9.5			0.07	8.3		22.32	10.26	17.04
28.0	1211	11.0			0.33	1.0	8.6	9.5			0.07	8.2		22.47	10.24	17.15
28.0	1211	12.0			0.33	1.0	8.6	9.5			0.07	8.4		22.61	10.26	17.26
28.0	1211	13.0			0.34	1.0	8.6	9.5			0.07	8.5		22.65	10.26	17.29
28.0	1211	14.0			0.34	1.1	8.6	9.4			0.09	9.5		22.66	10.26	17.30
28.0	1211	15.0			0.34	1.1	8.6	9.5			0.10	9.7		22.67	10.26	17.30
28.0	1211	16.0			0.34	1.1	8.6	9.4			0.10	10.0		22.67	10.26	17.31
27.0	1227	1.0	1.8	0.69	0.39	1.4	7.1	8.4	6.4		0.06	7.8	1.0	18.99	10.26	14.45
27.0	1227	2.0			0.39	1.4	7.1	8.4			0.09	9.3		19.40	10.20	14.77
27.0	1227	3.0			0.37	1.3	7.2	8.5			0.08	8.7		20.65	10.16	15.76
27.0	1227	4.0			0.35	1.2	7.4	8.6			0.08	9.0		21.12	10.17	16.11
27.0	1227	5.0			0.34	1.1	7.5	8.7			0.07	8.3		21.24	10.18	16.21
27.0	1227	6.0			0.33	1.0	7.6	8.7			0.06	8.0		21.47	10.19	16.38
27.0	1227	7.0			0.32	0.9	7.7	8.8			0.06	7.7		21.85	10.19	16.68
27.0	1227	8.0			0.32	0.9	7.8	8.9			0.06	7.6		21.89	10.19	16.71
27.0	1227	9.0			0.32	0.9	7.8	8.9			0.06	7.6		22.22	10.20	16.97
27.0	1227	10.0			0.32	0.9	7.9	9.0			0.06	7.9		22.41	10.20	17.11
27.0	1227	11.0			0.32	0.9	7.9	9.0			0.07	8.5		22.45	10.21	17.15

LOCATION: South San Francisco Bay
 DATE: January 26, 1993
 JULIAN DAY: 93026
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
27.0	1227	12.0			0.32	1.0		7.9	9.0		0.08	8.8		22.46	10.21	17.15
27.0	1227	13.0			0.33	1.0		8.0	9.0		0.08	8.9		22.47	10.21	17.16
27.0	1227	14.0	1.0	0.67	0.33	1.0		8.0	9.0		0.09	9.2		22.47	10.21	17.16
26.0	1318	1.0			0.34	1.1		8.7	9.5	5.8	0.06	7.7	1.0	17.55	10.20	13.34
26.0	1318	2.0			0.34	1.1		8.6	9.5		0.08	8.8		19.00	10.21	14.46
26.0	1318	3.0			0.34	1.0		8.6	9.4		0.06	7.9		20.54	10.19	15.66
26.0	1318	4.0			0.33	1.0		8.6	9.4		0.06	7.8		21.48	10.17	16.40
26.0	1318	5.0			0.32	1.0		8.5	9.4		0.06	7.6		21.43	10.17	16.36
26.0	1318	6.0			0.32	0.9		8.5	9.4		0.05	7.5		21.59	10.16	16.48
26.0	1318	7.0			0.31	0.9		8.6	9.4		0.07	8.1		21.68	10.15	16.55
26.0	1318	8.0			0.31	0.9		8.6	9.4		0.06	8.1		21.77	10.17	16.63
26.0	1318	9.0			0.31	0.9		8.5	9.4		0.06	7.8		21.91	10.18	16.73
26.0	1318	10.0			0.31	0.9		8.5	9.4		0.06	7.7		22.01	10.18	16.81
26.0	1318	11.0			0.31	0.9		8.5	9.4		0.06	7.8		22.07	10.18	16.85
26.0	1318	12.0			0.31	0.9		8.5	9.4		0.06	7.6		22.11	10.17	16.88
25.0	1336	1.0			0.34	1.1		8.5	9.4		0.07	8.5	1.2	18.34	10.54	13.90
25.0	1336	2.0			0.34	1.1		8.5	9.4		0.08	8.7		19.15	10.35	14.56
25.0	1336	3.0			0.33	1.0		8.5	9.4		0.10	9.8		19.64	10.26	14.95
25.0	1336	4.0			0.33	1.0		8.5	9.4		0.08	8.7		19.79	10.24	15.07
25.0	1336	5.0			0.32	0.9		8.5	9.4		0.07	8.5		20.04	10.21	15.27
25.0	1336	6.0			0.31	0.9		8.5	9.4		0.07	8.4		20.62	10.16	15.73
25.0	1336	7.0			0.31	0.9		8.5	9.4		0.07	8.2		21.09	10.13	16.10
25.0	1336	8.0			0.30	0.8		8.5	9.4		0.07	8.4		21.21	10.14	16.19
25.0	1336	9.0			0.30	0.8		8.5	9.4		0.07	8.4		21.28	10.15	16.24
25.0	1336	10.0			0.30	0.8		8.5	9.4		0.07	8.5		21.32	10.15	16.27
24.0	1354	1.0	1.0	0.67	0.33	1.0		8.5	9.4	10.4	0.12	10.7	1.2	18.39	10.32	13.98
24.0	1354	2.0			0.33	1.0		8.5	9.4		0.11	10.4		18.67	10.28	14.20
24.0	1354	3.0			0.33	1.0		8.5	9.4		0.11	10.5		18.75	10.28	14.26

LOCATION: South San Francisco Bay
 DATE: January 26, 1993
 JULIAN DAY: 93026
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	STGT
22.0	1432	5.0			0.34	1.1		8.6	9.4		0.14	11.9		17.35	10.32	13.17
22.0	1432	6.0			0.33	1.0		8.7	9.6		0.14	11.8		17.71	10.34	13.45
22.0	1432	7.0			0.32	0.9		8.7	9.6		0.14	11.8		19.51	10.55	14.81
22.0	1432	8.0			0.31	0.9		8.4	9.3		0.13	11.3		22.77	10.91	17.29
22.0	1432	9.0			0.31	0.9		8.3	9.3		0.14	12.1		23.66	11.01	17.96
22.0	1432	10.0			0.31	0.9		8.3	9.3		0.19	14.6		23.89	11.04	18.14
22.0	1432	11.0			0.31	0.9		8.3	9.3		0.21	15.6		24.15	11.08	18.33
22.0	1432	12.0			0.31	0.9		8.2	9.2		0.20	15.2		24.73	11.16	18.77
22.0	1432	13.0			0.31	0.9		8.2	9.2		0.22	16.0		24.90	11.17	18.89
22.0	1432	14.0			0.31	0.9		8.2	9.2		0.23	16.7		24.91	11.17	18.91
22.0	1432	15.0			0.31	0.9		8.2	9.2		0.24	16.9		24.91	11.17	18.91
22.0	1432	16.0			0.31	0.9		8.2	9.2		0.24	17.1		24.94	11.18	18.93
22.0	1432	17.0			0.31	0.9		8.2	9.2		0.27	18.6		24.98	11.18	18.96
22.0	1432	18.0			0.31	0.9		8.1	9.1		0.28	18.9		24.99	11.18	18.97
22.0	1432	19.0			0.31	0.9		8.2	9.1		0.27	18.8		25.01	11.19	18.98
22.0	1432	20.0			0.31	0.9		8.2	9.2		0.28	19.0		25.02	11.19	18.99
21.0	1444	1.0	0.6	0.40	0.34	1.1	9.3	8.6	9.5	12.4	0.15	12.6	1.5	16.65	10.34	12.62
21.0	1444	2.0			0.34	1.1		8.6	9.5		0.16	12.8		17.20	10.32	13.05
21.0	1444	3.0			0.34	1.1		8.6	9.5		0.16	12.8		17.48	10.33	13.27
21.0	1444	4.0			0.34	1.1		8.6	9.4		0.16	12.7		17.82	10.35	13.53
21.0	1444	5.0			0.33	1.0		8.6	9.5		0.15	12.6		17.94	10.36	13.62
21.0	1444	6.0			0.33	1.0		8.7	9.5		0.15	12.2		18.13	10.38	13.77
21.0	1444	7.0			0.33	1.0		8.7	9.6		0.15	12.3		18.79	10.47	14.26
21.0	1444	8.0			0.32	1.0		8.8	9.6		0.14	12.1		20.30	10.65	15.41
21.0	1444	9.0			0.31	0.9		8.5	9.4		0.14	11.9		23.25	10.99	17.65
21.0	1444	10.0			0.31	0.9		8.3	9.3		0.13	11.4		24.64	11.15	18.70
21.0	1444	11.0			0.31	0.9		8.3	9.2		0.16	12.7		24.91	11.18	18.90
21.0	1444	12.0			0.31	0.9		8.3	9.2		0.18	14.1		25.06	11.20	19.02
21.0	1444	13.0			0.31	0.9		8.2	9.2		0.22	16.0		25.34	11.24	19.23
21.0	1444	14.0			0.32	1.0		8.2	9.2		0.27	18.6		25.53	11.26	19.37

LOCATION: South San Francisco Bay

DATE: January 26, 1993

JULIAN DAY: 93026

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	1444	15.0			0.33	1.0		8.2	9.2		0.32	21.4		25.60	11.28	19.43
21.0	1444	16.0			0.32	0.9		8.2	9.2		0.31	20.7		25.91	11.32	19.65
21.0	1444	17.0			0.31	0.9		8.2	9.1		0.29	19.5		26.56	11.41	20.15
21.0	1444	18.0			0.31	0.9		8.1	9.1		0.26	18.2		26.66	11.43	20.22
21.0	1444	19.0			0.30	0.8		8.1	9.1		0.24	17.2		26.73	11.43	20.27
21.0	1444	20.0			0.30	0.8		8.0	9.1		0.25	17.4		26.74	11.43	20.28

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	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	8	0.807	6.453	-1.124	0.316
OBS Calibration:	13	0.976	51.529	4.707	2.763
Dissolved Oxygen Calibration:	6	0.578	0.729	3.199	0.125

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

LOCATION: North San Francisco Bay
 DATE: January 27, 1993
 JULIAN DAY: 93027
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPN	CALC SPM	EXCOF	SALIN	TEMP	SIGT
657.0	1652	1.0	1.1	0.42	0.55	1.3			226.4	219.6	12.0	0.07	8.31	0.00
657.0	1652	2.0			0.55	1.3				214.2		0.07	8.31	0.00
657.0	1652	3.0			0.56	1.3				210.5		0.07	8.31	0.00
657.0	1652	4.0			0.56	1.3				223.8		0.07	8.32	0.00
657.0	1652	5.0			0.56	1.3				224.3		0.08	8.32	0.00
657.0	1652	6.0			0.56	1.3				227.3		0.08	8.33	0.00
657.0	1652	7.0			0.56	1.3				232.1		0.08	8.33	0.00
657.0	1652	8.0			0.56	1.3				232.4		0.08	8.33	0.00
657.0	1652	9.0			0.57	1.3				238.3		0.08	8.33	0.00
657.0	1652	10.0			0.57	1.3				235.3		0.08	8.33	0.00
657.0	1652	11.0	1.3	0.65	0.57	1.3				227.3		0.08	8.33	0.00
653.0	1622	1.0			0.55	1.3			201.6	222.3	10.8	0.07	8.42	0.00
653.0	1622	2.0			0.55	1.3				219.8		0.07	8.41	0.00
653.0	1622	3.0			0.55	1.3				224.9		0.07	8.35	0.00
653.0	1622	4.0			0.56	1.3				236.4		0.07	8.33	0.00
653.0	1622	5.0			0.56	1.3				237.8		0.07	8.32	0.00
653.0	1622	6.0			0.57	1.3				249.8		0.07	8.33	0.00
653.0	1622	7.0			0.57	1.3				249.5		0.07	8.33	0.00
653.0	1622	8.0			0.57	1.3				267.3		0.07	8.33	0.00
653.0	1622	9.0			0.57	1.3				263.9		0.07	8.34	0.00
653.0	1622	10.0			0.57	1.4				261.0		0.07	8.34	0.00
653.0	1622	11.0			0.57	1.4				253.2		0.07	8.34	0.00
649.0	1552	1.0	1.3	0.59	0.53	1.3			190.5	203.3		0.06	8.37	0.00
649.0	1552	2.0			0.53	1.3				200.0		0.06	8.34	0.00
649.0	1552	3.0			0.53	1.3				199.2		0.07	8.32	0.00
649.0	1552	4.0			0.53	1.3				200.4		0.07	8.32	0.00
649.0	1552	5.0			0.53	1.3				200.1		0.07	8.32	0.00
649.0	1552	6.0			0.53	1.3				198.8		0.07	8.33	0.00
649.0	1552	7.0			0.53	1.3				202.9		0.07	8.33	0.00

LOCATION: North San Francisco Bay
 DATE: January 27, 1993
 JULIAN DAY: 93027
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
649.0	1552	8.0			0.53	1.3				4.58	206.3		0.07	8.33	0.00
649.0	1552	9.0			0.54	1.3				4.60	207.1		0.07	8.33	0.00
649.0	1552	10.0			0.54	1.3				4.61	207.5		0.07	8.34	0.00
649.0	1552	11.0			0.54	1.3				4.73	212.5		0.07	8.33	0.00
649.0	1552	12.0			0.54	1.3				4.47	201.4		0.07	8.33	0.00
2.0	1531	1.0			0.57	1.3			163.8	3.83	173.1	10.7	0.09	8.95	0.00
2.0	1531	2.0			0.57	1.3				3.73	168.9		0.09	8.93	0.00
2.0	1531	3.0			0.57	1.4				3.84	173.6		0.09	8.92	0.00
2.0	1531	4.0			0.57	1.4				3.81	172.2		0.09	8.88	0.00
2.0	1531	5.0			0.57	1.4				3.89	176.0		0.09	8.88	0.00
2.0	1531	6.0			0.57	1.4				3.93	177.7		0.09	8.86	0.00
2.0	1531	7.0			0.57	1.4				4.03	181.9		0.09	8.85	0.00
2.0	1531	8.0			0.57	1.4				4.05	182.8		0.08	8.71	0.00
2.0	1531	9.0			0.57	1.3				4.28	193.1		0.08	8.65	0.00
2.0	1531	10.0			0.57	1.3				4.38	197.5		0.08	8.63	0.00
2.0	1531	11.0			0.57	1.4				4.60	206.9		0.08	8.62	0.00
2.0	1531	12.0			0.57	1.4				4.62	207.8		0.07	8.52	0.00
2.0	1531	13.0			0.57	1.4				4.78	215.0		0.07	8.47	0.00
3.0	1514	1.0	1.3	0.46	0.59	1.4			205.7	4.86	218.6	10.2	0.08	8.77	0.00
3.0	1514	2.0			0.58	1.4				4.84	217.8		0.08	8.68	0.00
3.0	1514	3.0			0.59	1.4				5.00	224.5		0.08	8.59	0.00
3.0	1514	4.0			0.59	1.4				5.11	229.3		0.07	8.56	0.00
3.0	1514	5.0			0.59	1.4				5.27	236.3		0.07	8.51	0.00
3.0	1514	6.0			0.59	1.4				5.55	248.5		0.07	8.50	0.00
3.0	1514	7.0			0.59	1.4				5.43	243.4		0.07	8.49	0.00
3.0	1514	8.0			0.59	1.4				5.54	248.3		0.07	8.49	0.00
3.0	1514	9.0			0.59	1.4				5.84	261.5		0.07	8.48	0.00
3.0	1514	10.0			0.59	1.4				5.79	259.1		0.07	8.48	0.00
3.0	1514	11.0			0.59	1.4				5.79	259.2		0.07	8.48	0.00

LOCATION: North San Francisco Bay
 DATE: January 27, 1993
 JULIAN DAY: 93027
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ μ+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
3.0	1514	12.0			0.59	1.4				5.87	262.6		0.07	8.48	0.00
3.0	1514	13.0			0.59	1.4				5.78	258.8		0.07	8.48	0.00
3.0	1514	14.0			0.59	1.4				5.98	267.7		0.07	8.48	0.00
4.0	1354	1.0			0.60	1.4			251.6	5.49	245.8	9.1	0.07	8.60	0.00
4.0	1354	2.0			0.60	1.4				5.33	238.9		0.07	8.60	0.00
4.0	1354	3.0			0.60	1.4				5.38	241.2		0.07	8.60	0.00
4.0	1354	4.0			0.61	1.4				5.34	239.3		0.07	8.61	0.00
4.0	1354	5.0			0.60	1.4				5.27	236.6		0.07	8.60	0.00
4.0	1354	6.0			0.60	1.4				5.36	240.3		0.07	8.60	0.00
4.0	1354	7.0			0.60	1.4				5.39	241.5		0.07	8.60	0.00
4.0	1354	8.0			0.60	1.4				5.38	241.2		0.07	8.59	0.00
4.0	1354	9.0			0.60	1.4				5.49	246.0		0.07	8.57	0.00
4.0	1354	10.0			0.60	1.4				5.42	242.8		0.07	8.58	0.00
4.0	1354	11.0			0.60	1.4				5.43	243.2		0.07	8.58	0.00
4.0	1354	12.0			0.60	1.4				5.47	245.0		0.07	8.57	0.00
4.0	1354	13.0			0.60	1.4				5.57	249.7		0.07	8.57	0.00
4.0	1354	14.0			0.60	1.4				5.55	248.9		0.07	8.57	0.00
4.0	1354	15.0			0.60	1.4				5.66	253.6		0.07	8.57	0.00
4.0	1354	16.0			0.60	1.4				5.53	247.7		0.07	8.57	0.00
5.0	1333	1.0			0.62	1.4				5.37	240.9	12.7	0.08	8.73	0.00
5.0	1333	2.0			0.62	1.4				5.37	240.7		0.08	8.73	0.00
5.0	1333	3.0			0.62	1.4				5.41	242.5		0.08	8.73	0.00
5.0	1333	4.0			0.63	1.4				5.36	240.3		0.08	8.73	0.00
5.0	1333	5.0			0.63	1.4				5.57	249.6		0.08	8.73	0.00
5.0	1333	6.0			0.62	1.4				5.47	245.3		0.08	8.73	0.00
5.0	1333	7.0			0.62	1.4				5.55	248.9		0.08	8.72	0.00
5.0	1333	8.0			0.62	1.4				5.57	249.5		0.08	8.72	0.00
5.0	1333	9.0			0.61	1.4				5.47	245.0		0.08	8.72	0.00
5.0	1333	10.0			0.62	1.4				5.52	247.2		0.08	8.72	0.00

LOCATION: North San Francisco Bay
 DATE: January 27, 1993
 JULIAN DAY: 93027
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
5.0	1333	11.0				0.62	1.4						5.61	251.1		0.08	8.72	0.00
5.0	1333	12.0				0.62	1.4						5.49	245.9		0.08	8.72	0.00
5.0	1333	13.0				0.62	1.4						5.68	254.2		0.08	8.72	0.00
6.0	1307	1.0	1.4	0.33		0.62	1.4	273.0				5.88	263.2	21.7		0.08	8.79	0.00
6.0	1307	2.0				0.62	1.4					5.67	253.8			0.08	8.79	0.00
6.0	1307	3.0				0.62	1.4					5.59	250.6			0.08	8.79	0.00
6.0	1307	4.0				0.62	1.4					5.64	252.4			0.08	8.79	0.00
6.0	1307	5.0				0.62	1.4					5.63	252.2			0.08	8.79	0.00
6.0	1307	6.0				0.62	1.4					5.70	255.3			0.08	8.78	0.00
6.0	1307	7.0				0.62	1.4					5.79	259.2			0.08	8.78	0.00
6.0	1307	8.0				0.63	1.4					5.69	254.8			0.08	8.78	0.00
6.0	1307	9.0				0.64	1.4					5.77	258.3			0.08	8.78	0.00
6.0	1307	10.0				0.64	1.4					5.87	262.6			0.08	8.78	0.00
7.0	1241	1.0				0.65	1.5	253.8				5.31	238.1			0.09	8.92	0.00
7.0	1241	2.0				0.63	1.4					5.28	236.6			0.09	8.92	0.00
7.0	1241	3.0				0.63	1.4					5.21	233.8			0.09	8.92	0.00
7.0	1241	4.0				0.63	1.4					5.14	230.9			0.09	8.92	0.00
7.0	1241	5.0				0.63	1.4					5.20	233.1			0.09	8.93	0.00
7.0	1241	6.0				0.63	1.4					5.17	232.2			0.09	8.93	0.00
7.0	1241	7.0				0.63	1.4					5.29	237.3			0.09	8.92	0.00
7.0	1241	8.0				0.63	1.4					5.22	234.3			0.09	8.92	0.00
7.0	1241	9.0				0.63	1.4					5.22	234.1			0.09	8.92	0.00
7.0	1241	10.0				0.63	1.4					5.13	230.2			0.09	8.92	0.00
7.0	1241	11.0				0.63	1.4					5.29	237.3			0.09	8.92	0.00
7.0	1241	12.0				0.63	1.4					5.20	233.2			0.09	8.91	0.00
7.0	1241	13.0				0.63	1.4					5.25	235.3			0.09	8.91	0.00
7.0	1241	14.0				0.63	1.4					5.26	235.8			0.09	8.91	0.00
7.0	1241	15.0				0.63	1.4					5.27	236.2			0.09	8.90	0.00
7.0	1241	16.0				0.63	1.4					5.38	241.3			0.09	8.90	0.00

LOCATION: North San Francisco Bay
 DATE: January 27, 1993
 JULIAN DAY: 93027
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
7.0	1241	17.0			0.63	1.4				5.46	244.5		0.09	8.90	0.00
8.0	1208	1.0			0.62	1.4			222.7	5.04	226.1		0.10	9.03	0.00
8.0	1208	2.0			0.62	1.4				4.81	216.1		0.10	9.03	0.00
8.0	1208	3.0			0.62	1.4				4.71	212.0		0.10	9.03	0.00
8.0	1208	4.0			0.63	1.4				4.75	213.5		0.10	9.01	0.00
8.0	1208	5.0			0.63	1.4				4.96	222.8		0.10	8.99	0.00
8.0	1208	6.0			0.62	1.4				4.95	222.4		0.09	8.99	0.00
8.0	1208	7.0			0.62	1.4				5.02	225.5		0.09	8.98	0.00
8.0	1208	8.0			0.63	1.4				5.03	226.1		0.09	8.98	0.00
8.0	1208	9.0			0.63	1.4				5.05	227.0		0.09	8.98	0.00
8.0	1208	10.0			0.63	1.4				4.99	223.9		0.10	8.98	0.00
8.0	1208	11.0			0.63	1.4				5.07	227.7		0.10	8.99	0.00
8.0	1208	12.0			0.63	1.4				5.15	231.2		0.11	9.01	0.00
8.0	1208	13.0			0.63	1.4				5.18	232.5		0.18	9.06	0.00
8.0	1208	14.0			0.63	1.4				5.17	232.0		0.28	9.07	0.00
8.0	1208	15.0			0.63	1.4				5.06	227.2		0.33	9.08	0.04
8.0	1208	16.0			0.63	1.4				5.11	229.2		0.28	9.09	0.00
9.0	1142	1.0	1.7	0.38	0.61	1.4	9.6		221.1	4.92	220.9		0.43	9.04	0.12
9.0	1142	2.0			0.62	1.4				4.47	201.3		0.44	9.04	0.13
9.0	1142	3.0			0.61	1.4				4.43	199.6		0.44	9.04	0.13
9.0	1142	4.0			0.62	1.4				4.34	195.7		0.44	9.04	0.13
9.0	1142	5.0			0.62	1.4				4.46	200.8		0.49	9.05	0.16
9.0	1142	6.0			0.62	1.4				4.64	208.9		0.52	9.05	0.19
9.0	1142	7.0			0.62	1.4				4.78	214.9		0.56	9.05	0.22
9.0	1142	8.0			0.62	1.4				4.81	216.2		0.59	9.05	0.25
9.0	1142	9.0			0.63	1.4				4.79	215.4		0.59	9.05	0.25
9.0	1142	10.0			0.63	1.4				4.95	222.3		0.63	9.06	0.27
9.0	1142	11.0			0.63	1.4				4.90	220.1		0.69	9.06	0.32
9.0	1142	12.0			0.63	1.4				4.94	221.9		0.73	9.06	0.35

LOCATION: North San Francisco Bay

DATE: January 27, 1993

JULIAN DAY: 93027

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ #PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
9.0	1142	13.0		0.63	1.4					4.99	224.1		0.74	9.07	0.36
9.0	1142	14.0		0.63	1.4					5.09	228.7		0.81	9.08	0.42
9.0	1142	15.0		0.64	1.4					5.30	237.7		0.89	9.08	0.48
9.0	1142	16.0		0.64	1.4					5.40	242.1		0.91	9.08	0.49
9.0	1142	17.0		0.64	1.5					5.60	250.7		0.96	9.09	0.54
9.0	1142	18.0		0.64	1.4					5.72	256.0		1.04	9.11	0.60
9.0	1142	19.0		0.61	1.4					5.36	240.5		1.80	9.23	1.18
9.0	1142	20.0		0.59	1.4					4.63	208.5		3.27	9.31	2.33
9.0	1142	21.0		0.57	1.3					3.89	175.9		3.67	9.35	2.63
9.0	1142	22.0		0.55	1.3					3.54	160.4		3.86	9.37	2.78
9.0	1142	23.0		0.53	1.3					3.15	143.3		4.82	9.47	3.53
9.0	1142	24.0		0.50	1.3					2.54	116.5		7.09	9.65	5.27
9.0	1142	25.0		0.48	1.2					1.99	92.8		8.03	9.73	6.00
9.0	1142	26.0		0.47	1.2					2.14	99.0		8.73	9.78	6.53
9.0	1142	27.0		0.47	1.2					2.11	97.7		10.13	9.91	7.61
9.0	1142	28.0		0.47	1.2					2.19	101.5		11.17	9.98	8.41
9.0	1142	29.0		0.47	1.2					2.28	105.4		12.11	10.05	9.14
9.0	1142	30.0		0.49	1.2					2.69	123.1		12.63	10.09	9.53
9.0	1142	31.0		0.49	1.2					3.93	177.8		12.65	10.10	9.55
10.0	1125	1.0		0.59	1.4		7.8	8.9	181.6	3.67	166.3	11.1	0.92	9.10	0.50
10.0	1125	2.0		0.59	1.4		7.8	8.9		3.60	163.2		0.93	9.10	0.51
10.0	1125	3.0		0.59	1.4		7.8	8.9		3.70	167.5		0.97	9.10	0.54
10.0	1125	4.0		0.59	1.4		7.9	8.9		3.68	166.7		1.01	9.10	0.57
10.0	1125	5.0		0.59	1.4		7.8	8.9		3.82	172.9		1.06	9.11	0.61
10.0	1125	6.0		0.59	1.4		8.2	9.2		3.92	177.3		1.30	9.15	0.80
10.0	1125	7.0		0.58	1.4		8.5	9.4		3.86	174.6		1.50	9.17	0.95
10.0	1125	8.0		0.58	1.4		8.6	9.4		3.82	172.7		1.99	9.19	1.33
10.0	1125	9.0		0.57	1.3		8.6	9.4		3.59	162.7		2.61	9.25	1.82
10.0	1125	10.0		0.56	1.3		8.6	9.4		3.51	159.4		2.89	9.27	2.03
10.0	1125	11.0		0.55	1.3		8.6	9.4		3.16	144.1		3.15	9.31	2.23

LOCATION: North San Francisco Bay
 DATE: January 27, 1993
 JULIAN DAY: 93027
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			CHL a	OXYG	OXYG	OXYG	SPM	OXYG	SPM	SPM		SPM				
10.0	1125	12.0			0.54	1.3			8.6	9.5					3.03	138.3		3.45	9.34	2.47
10.0	1125	13.0			0.54	1.3			8.6	9.5					3.01	137.2		3.77	9.37	2.71
10.0	1125	14.0			0.53	1.3			8.6	9.5					2.94	134.3		4.26	9.41	3.09
10.0	1125	15.0			0.53	1.3			8.6	9.5					2.84	129.8		4.66	9.43	3.40
10.0	1125	16.0			0.52	1.3			8.6	9.5					2.78	127.2		5.22	9.49	3.84
10.0	1125	17.0			0.50	1.3			8.7	9.5					2.58	118.5		5.92	9.54	4.38
10.0	1125	18.0			0.48	1.2			8.6	9.5					2.09	96.8		8.33	9.79	6.23
10.0	1125	19.0			0.49	1.2			8.3	9.3					1.68	79.1		11.67	10.02	8.80
11.0	1053	1.0			0.50	1.3			9.0	9.8	104.8				2.15	99.7	7.7	3.32	9.31	2.37
11.0	1053	2.0			0.50	1.3			9.0	9.8					2.14	99.3		3.29	9.31	2.34
11.0	1053	3.0			0.50	1.3			9.1	9.9					2.15	99.7		3.26	9.31	2.32
11.0	1053	4.0			0.50	1.3			9.1	9.8					2.24	103.8		4.49	9.41	3.28
11.0	1053	5.0			0.49	1.2			9.0	9.8					2.24	103.6		6.24	9.56	4.62
11.0	1053	6.0			0.47	1.2			9.0	9.7					2.04	94.7		7.63	9.72	5.69
11.0	1053	7.0			0.46	1.2			8.9	9.7					1.90	88.7		8.95	9.83	6.70
11.0	1053	8.0			0.44	1.2			8.8	9.6					1.81	84.9		9.98	9.97	7.49
11.0	1053	9.0			0.42	1.1			8.8	9.6					1.66	78.1		10.92	10.11	8.20
11.0	1053	10.0			0.41	1.1			8.8	9.6					1.53	72.7		12.45	10.25	9.37
11.0	1053	11.0			0.40	1.1			8.6	9.5					1.45	69.1		14.24	10.39	10.74
11.0	1053	12.0			0.39	1.1			8.6	9.5					1.30	62.4		16.05	10.45	12.14
11.0	1053	13.0			0.40	1.1			8.5	9.4					1.42	67.5		18.45	10.59	13.99
11.0	1053	14.0			0.40	1.1			8.4	9.4					1.83	85.5		20.10	10.73	15.24
11.0	1053	15.0			0.41	1.1			8.4	9.3					1.95	90.8		20.54	10.77	15.58
11.0	1053	16.0			0.41	1.1			8.4	9.3					2.02	94.0		20.60	10.78	15.63
12.0	0831	1.0			0.41	1.1			8.9	9.7					0.67	34.9	3.0	6.91	9.46	5.16
12.0	0831	2.0			0.41	1.1			8.9	9.7					0.63	33.2		7.04	9.49	5.26
12.0	0831	3.0			0.40	1.1			9.0	9.8					0.54	28.9		7.77	9.59	5.81
12.0	0831	4.0			0.38	1.1			9.1	9.8					0.39	22.7		9.09	9.79	6.82
12.0	0831	5.0			0.36	1.0			9.1	9.8					0.24	15.8		12.37	10.23	9.31

LOCATION: North San Francisco Bay
 DATE: January 27, 1993
 JULIAN DAY: 93027
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CHL a	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
12.0	0831	6.0			0.34	1.0	1.0		8.5	9.4		0.17	13.0		17.91	10.59	13.56
12.0	0831	7.0			0.35	1.0	1.0		8.4	9.3		0.27	17.2		19.14	10.66	14.51
12.0	0831	8.0			0.36	1.0	1.0		8.2	9.2		0.28	17.9		20.61	10.77	15.63
13.0	0813	1.0			0.37	1.1	1.1	9.6	8.6	9.5	13.5	0.22	14.9	2.0	10.23	9.82	7.70
13.0	0813	2.0			0.37	1.1	1.1		8.6	9.5		0.21	14.7		10.23	9.82	7.70
13.0	0813	3.0			0.37	1.1	1.1		8.6	9.5		0.22	15.0		10.23	9.82	7.70
13.0	0813	4.0			0.37	1.1	1.1		8.7	9.5		0.23	15.4		10.39	9.85	7.82
13.0	0813	5.0			0.37	1.1	1.1		8.7	9.6		0.23	15.6		10.83	9.90	8.16
13.0	0813	6.0			0.36	1.1	1.1		8.8	9.6		0.23	15.6		12.44	10.07	9.39
13.0	0813	7.0			0.34	1.0	1.0		8.4	9.3		0.22	15.3		17.30	10.53	13.10
13.0	0813	8.0			0.33	1.0	1.0		8.2	9.2		0.20	14.2		19.13	10.67	14.50
13.0	0813	9.0			0.33	1.0	1.0		8.2	9.2		0.17	12.8		19.88	10.73	15.07
13.0	0813	10.0			0.34	1.0	1.0		7.9	8.9		0.30	18.4		22.09	10.90	16.76
15.0	0731	1.0			0.41	1.1	1.1	9.4	8.6	9.5	39.0	0.68	35.2	3.4	8.38	9.60	6.28
15.0	0731	2.0			0.41	1.1	1.1		8.6	9.5		0.70	36.1		8.53	9.64	6.40
15.0	0731	3.0			0.41	1.1	1.1		8.6	9.5		0.78	39.5		8.81	9.67	6.61
15.0	0731	4.0			0.40	1.1	1.1		8.7	9.5		0.82	41.4		9.75	9.73	7.34
15.0	0731	5.0			0.38	1.1	1.1		8.6	9.5		0.76	38.9		12.19	9.93	9.21
15.0	0731	6.0			0.36	1.1	1.1		8.6	9.4		0.46	25.8		13.49	10.06	10.21
15.0	0731	7.0			0.35	1.0	1.0		8.5	9.4		0.34	20.2		14.55	10.18	11.01
15.0	0731	8.0			0.35	1.0	1.0		8.4	9.3		0.25	16.6		15.66	10.31	11.86
15.0	0731	9.0			0.35	1.0	1.0		8.3	9.3		0.19	14.0		16.45	10.40	12.46
15.0	0731	10.0			0.34	1.0	1.0		8.3	9.2		0.20	14.2		17.33	10.51	13.13
15.0	0731	11.0			0.34	1.0	1.0		8.2	9.2		0.20	14.3		18.09	10.59	13.71
15.0	0731	12.0			0.34	1.0	1.0		8.2	9.2		0.18	13.5		18.93	10.65	14.35
15.0	0731	13.0			0.33	1.0	1.0		8.2	9.1		0.17	12.8		19.67	10.73	14.91
15.0	0731	14.0			0.33	1.0	1.0		8.1	9.1		0.17	12.8		20.75	10.83	15.73
15.0	0731	15.0			0.33	1.0	1.0		8.0	9.1		0.17	13.0		21.25	10.89	16.11
15.0	0731	16.0			0.37	1.1	1.1		8.0	9.0		0.58	30.9		21.93	10.96	16.63

LOCATION: North San Francisco Bay

DATE: January 27, 1993

JULIAN DAY: 93027

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ %PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	EXCOF	SALIN	TEMP	SIGT
15.0	0731	17.0			0.40	1.1		7.9	9.0		1.33		22.35	10.99	16.95
15.0	0731	18.0			0.41	1.1		7.9	9.0		1.76		22.42	11.00	17.00
15.0	0731	19.0			0.42	1.1		7.9	9.0		1.77		22.54	11.01	17.09
15.0	0731	20.0			0.43	1.2		7.9	8.9		2.06		22.84	11.04	17.32
15.0	0731	21.0			0.44	1.2		7.9	8.9		2.35		23.17	11.06	17.57
15.0	0731	22.0			0.45	1.2		7.8	8.9		2.57		23.23	11.07	17.62
15.0	0731	23.0			0.45	1.2		7.8	8.9		2.63		23.25	11.07	17.63
15.0	0731	24.0			0.46	1.2		7.8	8.9		3.13		23.35	11.08	17.71
18.0	1518	1.0	1.1	0.73	0.35	1.0	9.3	8.7	9.5	8.9	0.12	1.3	16.38	10.92	12.33
18.0	1518	2.0			0.35	1.0		8.7	9.5		0.12		16.50	10.93	12.43
18.0	1518	3.0			0.35	1.0		8.7	9.5		0.11		16.70	10.94	12.58
18.0	1518	4.0			0.34	1.0		8.6	9.5		0.10		17.02	10.94	12.82
18.0	1518	5.0			0.33	1.0		8.7	9.5		0.09		18.39	10.87	13.90
18.0	1518	6.0			0.32	1.0		8.5	9.4		0.07		22.39	11.03	16.97
18.0	1518	7.0			0.30	1.0		8.3	9.3		0.06		24.72	11.26	18.74
18.0	1518	8.0			0.30	1.0		8.3	9.3		0.07		25.74	11.38	19.52
18.0	1518	9.0			0.30	1.0		8.2	9.2		0.07		27.11	11.54	20.55
18.0	1518	10.0			0.29	1.0		8.1	9.1		0.08		27.92	11.62	21.16
18.0	1518	11.0			0.29	0.9		8.1	9.1		0.08		28.09	11.63	21.30
18.0	1518	12.0			0.29	0.9		8.1	9.1		0.07		28.31	11.66	21.46
18.0	1518	13.0			0.29	1.0		8.1	9.1		0.10		28.62	11.71	21.69
18.0	1518	14.0			0.29	1.0		8.0	9.1		0.15		28.79	11.74	21.82
18.0	1518	15.0			0.29	1.0		8.0	9.0		0.16		28.98	11.77	21.96
18.0	1518	16.0			0.29	1.0		8.0	9.0		0.16		29.16	11.80	22.09
18.0	1518	17.0			0.29	1.0		8.0	9.0		0.18		29.28	11.81	22.19
18.0	1518	18.0			0.29	1.0		8.0	9.0		0.18		29.36	11.82	22.25
18.0	1518	19.0			0.29	1.0		8.0	9.0		0.19		29.39	11.82	22.27
18.0	1518	20.0			0.30	1.0		7.9	9.0		0.20		29.40	11.82	22.28
18.0	1518	21.0			0.30	1.0		8.0	9.0		0.20		29.45	11.82	22.32
18.0	1518	22.0			0.30	1.0		7.9	9.0		0.23		29.50	11.83	22.35

LOCATION: North San Francisco Bay
 DATE: January 27, 1993
 JULIAN DAY: 93027
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ #PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1518	23.0			0.30	1.0	7.9	9.0	0.23	0.23	15.6		29.52	11.84	22.36
18.0	1518	24.0			0.30	1.0	7.9	9.0	0.25	0.25	16.3		29.52	11.84	22.37
18.0	1518	25.0			0.30	1.0	7.9	9.0	0.25	0.25	16.5		29.53	11.84	22.37
18.0	1518	26.0			0.30	1.0	7.9	9.0	0.27	0.27	17.2		29.54	11.85	22.38
18.0	1518	27.0			0.31	1.0	7.9	9.0	0.28	0.28	17.6		29.58	11.85	22.41
18.0	1518	28.0			0.31	1.0	7.9	9.0	0.28	0.28	17.9		29.66	11.87	22.47
18.0	1518	29.0			0.31	1.0	7.9	9.0	0.34	0.34	20.4		29.70	11.88	22.50
18.0	1518	30.0			0.31	1.0	7.9	9.0	0.36	0.36	21.3		29.71	11.88	22.50
18.0	1518	31.0			0.31	1.0	7.9	9.0	0.35	0.35	21.0		29.71	11.88	22.50
18.0	1518	32.0			0.31	1.0	7.9	9.0	0.38	0.38	22.0		29.71	11.88	22.51
18.0	1518	33.0			0.31	1.0	7.9	8.9	0.39	0.39	22.5		29.71	11.88	22.51
18.0	1518	34.0			0.32	1.0	7.9	8.9	0.44	0.44	24.7		29.73	11.88	22.52
18.0	1518	35.0			0.32	1.0	7.9	8.9	0.56	0.56	29.9		29.74	11.88	22.53
18.0	1518	36.0			0.32	1.0	7.9	8.9	0.73	0.73	37.5		29.74	11.88	22.53

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	7	0.417	1.417	0.542	0.170
OBS Calibration:	15	0.986	43.821	5.439	10.953
Dissolved Oxygen Calibration:	6	0.578	0.729	3.199	0.125

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

NOTE: Station 18 profile collected on January 26, 1993, not January 27th

LOCATION: Non-standard stations: San Francisco Bay

DATE: JANUARY 28, 1993

JULIAN DAY: 93028

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SGT
24.0	1615	1.0		0.35	1.0	8.8	9.6	8.4	1.1	17.22	10.54	13.04				
24.0	1615	2.0		0.35	1.0	8.8	9.6	8.2		17.35	10.52	13.14				
24.0	1615	3.0		0.35	1.0	8.8	9.6	8.3		17.52	10.51	13.27				
24.0	1615	4.0		0.34	1.0	8.8	9.6	8.0		17.69	10.51	13.25				
24.0	1615	5.0		0.34	1.0	8.7	9.6	7.9		18.80	10.41	14.28				
24.0	1615	6.0		0.32	1.0	8.7	9.6	7.5		19.76	10.35	15.03				
24.0	1615	7.0		0.32	1.0	8.7	9.6	7.2		19.98	10.38	15.20				
24.0	1615	8.0		0.31	1.0	8.7	9.5	7.0		20.11	10.40	15.30				
24.0	1615	9.0		0.31	1.0	8.7	9.5	7.1		20.21	10.41	15.37				
24.0	1615	10.0		0.31	1.0	8.6	9.5	7.4		20.41	10.40	15.53				
24.0	1615	11.0		0.31	1.0	8.6	9.5	7.7		20.49	10.39	15.60				
24.0	1615	12.0		0.31	1.0	0.0	3.2	8.5		20.50	10.39	15.60				
757	0712	1.0		0.53	1.3	2.35	108.5	2.35		0.08	8.96	0.00				
757	0712	2.0		0.53	1.3	2.31	106.6	2.31		0.08	8.96	0.00				
757	0712	3.0		0.53	1.3	2.37	109.1	2.37		0.08	8.97	0.00				
757	0712	4.0		0.53	1.3	2.43	112.1	2.43		0.08	8.97	0.00				
757	0712	5.0		0.53	1.3	2.44	112.3	2.44		0.08	8.97	0.00				
757	0712	6.0		0.53	1.3	2.42	111.7	2.42		0.08	8.97	0.00				
757	0712	7.0		0.53	1.3	2.48	114.1	2.48		0.08	8.97	0.00				
757	0712	8.0		0.53	1.3	2.46	113.4	2.46		0.08	8.97	0.00				
757	0712	9.0		0.53	1.3	2.46	113.2	2.46		0.08	8.97	0.00				
757	0712	10.0		0.53	1.3	2.46	113.5	2.46		0.08	8.97	0.00				
757	0712	11.0		0.54	1.3	2.48	114.2	2.48		0.08	8.97	0.00				
757	0712	12.0		0.54	1.3	2.44	112.4	2.44		0.08	8.97	0.00				
757	0712	13.0		0.53	1.3	2.44	112.5	2.44		0.08	8.97	0.00				
757	0712	14.0		0.53	1.3	2.46	113.2	2.46		0.09	8.97	0.00				
757	0712	15.0		0.54	1.3	2.50	115.2	2.50		0.09	8.96	0.00				

LOCATION: Non-standard stations: San Francisco Bay
 DATE: JANUARY 28, 1993
 JULIAN DAY: 93028
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
8.1	1122	1.0			0.62	1.4				6.55	292.3	10.3	0.63	8.86	0.30
8.1	1122	2.0			0.62	1.4				6.12	273.5		0.64	8.86	0.30
8.1	1122	3.0			0.62	1.4				6.30	281.6		0.64	8.85	0.30
8.1	1122	4.0			0.62	1.4				6.41	286.2		0.64	8.85	0.30
8.1	1122	5.0			0.62	1.4				6.68	298.1		0.64	8.84	0.30
8.1	1122	6.0			0.62	1.4				6.69	298.6		0.64	8.84	0.31
8.1	1122	7.0			0.61	1.4				6.41	286.2		0.65	8.86	0.31
8.1	1122	8.0			0.60	1.4				5.90	263.9		0.65	8.90	0.31
8.1	1122	9.0			0.60	1.4				5.62	251.9		0.67	8.97	0.31
8.1	1122	10.0			0.59	1.4				5.40	241.9		0.68	9.03	0.32
8.1	1122	11.0			0.56	1.3				4.24	191.4		0.69	9.13	0.32
8.1	1122	12.0			0.54	1.3				3.64	164.9		0.98	9.17	0.54
8.1	1122	13.0			0.52	1.3				3.21	146.0		3.73	9.26	2.69
8.1	1122	14.0			0.50	1.2				2.93	133.7		5.92	9.40	4.39
8.1	1122	15.0			0.48	1.2				2.60	119.3		8.06	9.62	6.03
8.1	1122	16.0			0.49	1.2				2.14	99.0		10.43	9.86	7.85

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	7	0.417	1.417	0.542	0.170
OBS Calibration:	15	0.986	43.821	5.439	10.953
Dissolved Oxygen Calibration:	6	0.578	0.729	3.199	0.125

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples on January 26 and 27.

NOTE: Fluorescence and OBS calibration regressions from January 27, 1993 used.

LOCATION: South San Francisco Bay
 DATE: February 16, 1993
 JULIAN DAY: 93047
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
36.0	1038	1.0	3.2	0.63	0.55	2.7	9.1	8.9	8.9	0.14	0.14	1.4	18.97	11.87	14.19	
36.0	1038	2.0			0.55	2.7	9.2	8.9	8.9	0.17	0.17		19.00	11.85	14.22	
36.0	1038	3.0			0.53	2.6	9.2	8.9	8.9	0.16	0.16		19.08	11.83	14.29	
36.0	1038	4.0			0.51	2.4	9.2	8.9	8.9	0.16	0.16		19.17	11.82	14.36	
36.0	1038	5.0			0.49	2.3	9.2	8.9	8.9	0.17	0.17		19.25	11.83	14.42	
36.0	1038	6.0			0.48	2.2	9.2	8.9	8.9	0.18	0.18		19.30	11.84	14.46	
36.0	1038	7.0			0.47	2.1	9.2	8.9	8.9	0.21	0.21		19.40	11.85	14.53	
36.0	1038	8.0			0.47	2.2	9.2	8.9	8.9	0.23	0.23		19.43	11.85	14.56	
36.0	1038	9.0	2.0	0.53	0.48	2.2	9.2	8.9	8.9	0.27	0.27		19.47	11.85	14.58	
35.0	1055	1.0			0.51	2.4	8.5	9.0	9.0	0.14	0.14	1.4	19.25	11.86	14.41	
35.0	1055	2.0			0.50	2.4	8.5	9.0	9.0	0.14	0.14		19.41	11.85	14.54	
35.0	1055	3.0			0.49	2.3	8.5	9.0	9.0	0.15	0.15		19.48	11.84	14.60	
35.0	1055	4.0			0.47	2.2	8.5	9.0	9.0	0.16	0.16		19.54	11.84	14.64	
35.0	1055	5.0			0.46	2.0	8.5	9.0	9.0	0.17	0.17		19.71	11.82	14.78	
35.0	1055	6.0			0.45	2.0	8.5	9.0	9.0	0.19	0.19		19.77	11.81	14.82	
35.0	1055	7.0			0.45	1.9	8.5	9.0	9.0	0.19	0.19		19.82	11.81	14.86	
35.0	1055	8.0			0.45	2.0	8.4	9.0	9.0	0.21	0.21		19.83	11.82	14.87	
35.0	1055	9.0			0.45	2.0	8.4	9.0	9.0	0.23	0.23		19.85	11.84	14.88	
34.0	1108	1.0			0.54	2.6	8.9	9.0	9.0	0.25	0.25	1.7	19.35	11.90	14.48	
34.0	1108	2.0			0.54	2.6	8.9	9.0	9.0	0.24	0.24		19.35	11.90	14.49	
34.0	1108	3.0			0.53	2.6	8.9	9.0	9.0	0.25	0.25		19.37	11.88	14.50	
34.0	1108	4.0			0.52	2.5	8.9	9.0	9.0	0.26	0.26		19.42	11.83	14.55	
34.0	1108	5.0			0.52	2.5	8.9	9.0	9.0	0.28	0.28		19.47	11.82	14.59	
34.0	1108	6.0			0.52	2.5	8.8	9.0	9.0	0.30	0.30		19.52	11.81	14.63	
34.0	1108	7.0			0.53	2.6	8.8	9.0	9.0	0.31	0.31		19.63	11.80	14.72	
34.0	1108	8.0			0.53	2.6	8.8	9.0	9.0	0.34	0.34		19.66	11.80	14.74	
34.0	1108	9.0			0.53	2.6	8.8	9.0	9.0	0.39	0.39		19.68	11.80	14.76	

LOCATION: South San Francisco Bay

DATE: February 16, 1993

JULIAN DAY: 93047

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	1121	1.0			0.49	2.3		8.8	9.0		0.25		1.8	19.65	11.84	14.73
33.0	1121	2.0			0.49	2.3		8.8	9.0		0.24			19.75	11.83	14.80
33.0	1121	3.0			0.49	2.3		8.8	9.0		0.25			19.75	11.83	14.80
33.0	1121	4.0			0.49	2.3		8.8	9.0		0.25			19.76	11.83	14.81
33.0	1121	5.0			0.49	2.3		8.8	9.0		0.27			19.83	11.83	14.86
33.0	1121	6.0			0.49	2.3		8.8	9.0		0.28			19.87	11.83	14.90
33.0	1121	7.0			0.50	2.3		8.8	9.0		0.33			19.92	11.83	14.94
33.0	1121	8.0			0.51	2.4		8.8	9.0		0.36			19.95	11.83	14.96
33.0	1121	9.0			0.51	2.4		8.8	9.0		0.39			19.93	11.83	14.94
33.0	1121	10.0			0.51	2.4		8.8	9.0		0.40			19.96	11.83	14.97
33.0	1121	11.0			0.51	2.4		8.8	9.0		0.41			19.94	11.83	14.95
33.0	1121	12.0			0.51	2.4		8.8	9.0		0.41			19.95	11.83	14.96
33.0	1121	13.0			0.51	2.4		8.8	9.0		0.48			19.97	11.84	14.98
32.0	1203	1.0	2.0	0.44	0.49	2.3	8.9	9.3	8.9		0.21		1.7	19.65	11.85	14.72
32.0	1203	2.0			0.48	2.2		9.3	8.9		0.23			19.75	11.83	14.80
32.0	1203	3.0			0.47	2.2		9.3	8.9		0.27			19.83	11.82	14.87
32.0	1203	4.0			0.46	2.1		9.3	8.9		0.29			19.87	11.82	14.90
32.0	1203	5.0			0.46	2.1		9.3	8.9		0.31			19.90	11.83	14.92
32.0	1203	6.0			0.47	2.1		9.3	8.9		0.34			19.93	11.83	14.94
32.0	1203	7.0			0.47	2.2		9.3	8.9		0.37			19.93	11.83	14.94
32.0	1203	8.0			0.48	2.2		9.3	8.9		0.39			19.94	11.84	14.95
32.0	1203	9.0			0.48	2.2		9.3	8.9		0.42			19.95	11.84	14.96
32.0	1203	10.0			0.49	2.3		9.3	8.9		0.48			19.96	11.84	14.97
32.0	1203	11.0			0.50	2.4		9.3	8.9		0.51			19.98	11.84	14.98
32.0	1203	12.0			0.51	2.5		9.3	8.9		0.58			19.99	11.84	14.99
32.0	1203	13.0			0.53	2.6		9.3	8.9		0.70			20.01	11.84	15.00
32.0	1203	14.0	2.3	0.50	0.53	2.6		9.3	8.9		0.92			19.99	11.84	14.99

LOCATION: South San Francisco Bay
 DATE: February 16, 1993
 JULIAN DAY: 93047
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	1218	1.0			0.45	2.0		8.5	9.0		0.16		1.7	19.92	11.96	14.91
31.0	1218	2.0			0.44	1.9		8.5	9.0		0.17			20.19	11.88	15.14
31.0	1218	3.0			0.44	1.9		8.4	9.0		0.22			20.27	11.88	15.20
31.0	1218	4.0			0.43	1.9		8.4	9.0		0.26			20.29	11.88	15.22
31.0	1218	5.0			0.44	1.9		8.5	9.0		0.33			20.29	11.88	15.22
31.0	1218	6.0			0.46	2.0		8.5	9.0		0.46			20.30	11.88	15.23
31.0	1218	7.0			0.47	2.1		8.5	9.0		0.60			20.33	11.88	15.24
31.0	1218	8.0			0.48	2.2		8.5	9.0		0.69			20.38	11.89	15.28
31.0	1218	9.0			0.47	2.1		8.5	9.0		0.76			20.47	11.91	15.35
31.0	1218	10.0			0.46	2.0		8.5	9.0		0.76			20.53	11.93	15.39
31.0	1218	11.0			0.45	2.0		8.5	9.0		0.72			20.63	11.95	15.47
31.0	1218	12.0			0.44	1.9		8.5	9.0		0.66			20.69	11.96	15.51
31.0	1218	13.0			0.44	1.9		8.5	9.0		0.66			20.73	11.97	15.54
31.0	1218	14.0			0.44	1.9		8.5	9.0		0.69			20.76	11.98	15.56
30.0	1235	1.0			0.45	2.0		8.3	9.1		0.14		1.3	20.27	11.91	15.19
30.0	1235	2.0			0.44	1.9		8.3	9.0		0.14			20.34	11.84	15.26
30.0	1235	3.0			0.43	1.8		8.3	9.0		0.13			20.44	11.85	15.33
30.0	1235	4.0			0.42	1.8		8.3	9.0		0.16			20.64	11.91	15.48
30.0	1235	5.0			0.42	1.7		8.4	9.0		0.21			20.74	11.94	15.56
30.0	1235	6.0			0.42	1.8		8.3	9.0		0.31			20.88	11.97	15.65
30.0	1235	7.0			0.42	1.7		8.4	9.0		0.39			20.93	11.98	15.69
30.0	1235	8.0			0.42	1.8		8.4	9.0		0.42			20.95	11.98	15.71
30.0	1235	9.0			0.43	1.8		8.4	9.0		0.46			20.97	11.99	15.73
30.0	1235	10.0			0.43	1.8		8.4	9.0		0.54			21.02	12.00	15.76
30.0	1235	11.0			0.44	1.9		8.4	9.0		0.59			21.03	12.00	15.77
30.0	1235	12.0			0.44	1.9		8.4	9.0		0.63			21.05	12.00	15.78
30.0	1235	13.0			0.45	2.0		8.4	9.0		0.69			21.07	12.01	15.80
30.0	1235	14.0			0.45	2.0		8.4	9.0		0.76			21.07	12.01	15.80
30.0	1235	15.0			0.45	2.0		8.4	9.0		0.88			21.08	12.01	15.80

LOCATION: South San Francisco Bay
 DATE: February 16, 1993
 JULIAN DAY: 93047
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ σ _t PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPH	OBS SPH	CALC SPH	EXCOF	SALIN	TEMP	SIGT
29.5	1245	1.0	2.2	0.59	0.43	1.9	9.0	9.1	8.9		0.28		1.9	20.69	11.79	15.54
29.5	1245	2.0			0.43	1.8		9.1	8.9		0.28			20.87	11.88	15.66
29.5	1245	3.0			0.42	1.7		9.0	8.9		0.31			21.09	11.99	15.81
29.5	1245	4.0			0.41	1.7		9.0	8.9		0.29			21.15	12.01	15.86
29.5	1245	5.0			0.42	1.7		9.1	8.9		0.31			21.17	12.01	15.87
29.5	1245	6.0			0.43	1.8		9.1	8.9		0.32			21.18	12.02	15.88
29.5	1245	7.0			0.43	1.8		9.1	8.9		0.34			21.18	12.02	15.88
29.5	1245	8.0			0.43	1.9		9.1	8.9		0.36			21.19	12.02	15.89
29.5	1245	9.0			0.44	1.9		9.0	8.9		0.38			21.19	12.02	15.89
29.5	1245	10.0			0.44	1.9		9.0	8.9		0.39			21.20	12.02	15.89
29.5	1245	11.0			0.44	1.9		9.1	8.9		0.41			21.20	12.02	15.89
29.5	1245	12.0			0.44	1.9		9.1	8.9		0.45			21.20	12.03	15.90
29.5	1245	13.0			0.45	2.0		9.1	8.9		0.46			21.20	12.03	15.90
29.5	1245	14.0			0.46	2.0		9.1	8.9		0.50			21.21	12.03	15.90
29.5	1245	15.0			0.46	2.1		9.1	8.9		0.60			21.20	12.03	15.90
29.5	1245	16.0			0.49	2.3		9.0	8.9		0.76			21.20	12.03	15.90
29.5	1245	17.0	2.1	0.41	0.50	2.4		9.1	8.9		1.38			21.20	12.03	15.89
29.0	1302	1.0			0.42	1.7		8.9	9.0		0.16		1.5	21.38	12.11	16.02
29.0	1302	2.0			0.42	1.7		8.9	9.0		0.17			21.42	12.12	16.05
29.0	1302	3.0			0.42	1.7		8.9	9.0		0.21			21.44	12.11	16.06
29.0	1302	4.0			0.42	1.8		8.9	9.0		0.28			21.45	12.12	16.07
29.0	1302	5.0			0.43	1.8		8.9	9.0		0.32			21.48	12.12	16.10
29.0	1302	6.0			0.44	1.9		8.9	9.0		0.36			21.50	12.13	16.11
29.0	1302	7.0			0.44	1.9		8.9	9.0		0.42			21.51	12.13	16.12
29.0	1302	8.0			0.45	2.0		8.9	9.0		0.44			21.52	12.13	16.12
29.0	1302	9.0			0.45	2.0		9.0	9.0		0.48			21.52	12.13	16.12
29.0	1302	10.0			0.46	2.1		9.0	9.0		0.52			21.57	12.14	16.16
29.0	1302	11.0			0.47	2.1		8.9	9.0		0.56			21.59	12.15	16.18
29.0	1302	12.0			0.46	2.1		9.0	9.0		0.58			21.60	12.15	16.18
29.0	1302	13.0			0.46	2.1		8.9	9.0		0.64			21.61	12.15	16.19

LOCATION: South San Francisco Bay
 DATE: February 16, 1993
 JULIAN DAY: 93047
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CHL a	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.0	1302	14.0			0.46	2.0		8.9	9.0	9.0		0.67			21.61	12.16	16.19
29.0	1302	15.0			0.46	2.0		8.9	9.0	9.0		0.69			21.61	12.16	16.19
28.0	1315	1.0			0.46	2.1						0.11	1.4	21.39	12.11	16.03	
28.0	1315	2.0			0.45	2.0						0.12		21.51	12.13	16.12	
28.0	1315	3.0			0.44	1.9						0.14		21.55	12.15	16.15	
28.0	1315	4.0			0.44	1.9						0.16		21.61	12.17	16.19	
28.0	1315	5.0			0.43	1.8						0.18		21.66	12.19	16.22	
28.0	1315	6.0			0.43	1.8						0.21		21.72	12.19	16.27	
28.0	1315	7.0			0.43	1.8						0.25		21.77	12.20	16.31	
28.0	1315	8.0			0.44	1.9						0.30		21.76	12.20	16.30	
28.0	1315	9.0			0.44	1.9						0.36		21.78	12.20	16.31	
28.0	1315	10.0			0.45	2.0						0.39		21.79	12.20	16.32	
28.0	1315	11.0			0.45	2.0						0.42		21.82	12.20	16.35	
28.0	1315	12.0			0.44	1.9						0.46		21.84	12.21	16.36	
28.0	1315	13.0			0.44	1.9						0.47		21.84	12.21	16.36	
28.0	1315	14.0			0.46	2.0						0.55		21.85	12.21	16.37	
28.0	1315	15.0			0.46	2.1						0.63		21.86	12.21	16.37	
27.0	1328	1.0	2.2	0.67	0.43	1.8		9.0	9.0	9.0		0.15	1.3	21.85	12.16	16.37	
27.0	1328	2.0			0.43	1.9		8.5	9.0	9.0		0.15		21.74	12.15	16.29	
27.0	1328	3.0			0.43	1.8		8.5	9.0	9.0		0.14		21.78	12.16	16.32	
27.0	1328	4.0			0.42	1.8		8.5	9.0	9.0		0.13		21.97	12.17	16.47	
27.0	1328	5.0			0.42	1.7		8.5	9.0	9.0		0.17		22.14	12.18	16.60	
27.0	1328	6.0			0.42	1.7		8.5	9.0	9.0		0.23		22.18	12.18	16.62	
27.0	1328	7.0			0.41	1.7		8.5	9.0	9.0		0.30		22.18	12.18	16.63	
27.0	1328	8.0			0.41	1.7		8.5	9.0	9.0		0.33		22.20	12.18	16.64	
27.0	1328	9.0			0.42	1.8		8.5	9.0	9.0		0.39		22.27	12.18	16.70	
27.0	1328	10.0			0.42	1.8		8.5	9.0	9.0		0.44		22.29	12.18	16.71	
27.0	1328	11.0			0.43	1.8		8.5	9.0	9.0		0.49		22.30	12.18	16.72	
27.0	1328	12.0			0.43	1.8		8.5	9.0	9.0		0.51		22.30	12.18	16.72	

LOCATION: South San Francisco Bay
 DATE: February 16, 1993
 JULIAN DAY: 93047
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	CHL a	OXYG	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
26.0	1348	1.0				0.41	1.7			8.7		9.0	9.0				0.16			1.4	22.33	12.10	16.76
26.0	1348	2.0				0.41	1.7			8.7		9.0	9.0				0.17				22.35	12.09	16.77
26.0	1348	3.0				0.41	1.7			8.8		9.0	9.0				0.17				22.36	12.09	16.78
26.0	1348	4.0				0.42	1.7			8.8		9.0	9.0				0.17				22.36	12.09	16.78
26.0	1348	5.0				0.41	1.7			8.8		9.0	9.0				0.19				22.38	12.09	16.80
26.0	1348	6.0				0.41	1.7			8.8		9.0	9.0				0.21				22.41	12.07	16.82
26.0	1348	7.0				0.41	1.7			8.8		9.0	9.0				0.22				22.41	12.07	16.82
26.0	1348	8.0				0.42	1.7			8.8		9.0	9.0				0.22				22.41	12.07	16.82
26.0	1348	9.0				0.46	2.1			8.8		9.0	9.0				0.23				22.41	12.07	16.83
26.0	1348	12.0				0.47	2.1			8.8		9.0	9.0				0.24				22.41	12.07	16.83
25.0	1415	1.0				0.47	2.1			9.2		8.9	8.9				0.17			1.4	22.43	12.07	16.83
25.0	1415	2.0				0.46	2.1			9.2		8.9	8.9				0.17				22.43	12.07	16.84
25.0	1415	3.0				0.46	2.1			9.2		8.9	8.9				0.16				22.42	12.07	16.83
25.0	1415	4.0				0.46	2.0			9.2		8.9	8.9				0.17				22.42	12.07	16.83
25.0	1415	5.0				0.46	2.0			9.2		8.9	8.9				0.17				22.43	12.07	16.84
25.0	1415	6.0				0.46	2.1			9.1		8.9	8.9				0.18				22.43	12.07	16.84
25.0	1415	7.0				0.47	2.1			9.2		8.9	8.9				0.19				22.43	12.07	16.84
25.0	1415	8.0				0.47	2.1			9.2		8.9	8.9				0.19				22.43	12.07	16.84
24.0	1432	1.0	1.4	0.58		0.38	1.4			9.0	8.9	8.9	8.9				0.18			1.4	22.49	12.03	16.89
24.0	1432	2.0				0.38	1.4			9.0		8.9	8.9				0.17				22.49	12.03	16.89
24.0	1432	3.0				0.37	1.4			9.0		8.9	8.9				0.19				22.49	12.03	16.89
24.0	1432	4.0				0.37	1.4			9.0		8.9	8.9				0.20				22.49	12.03	16.89
24.0	1432	5.0				0.37	1.4			9.0		8.9	8.9				0.20				22.49	12.03	16.89
24.0	1432	6.0				0.37	1.4			9.0		8.9	8.9				0.21				22.49	12.03	16.89
24.0	1432	7.0				0.37	1.4			9.0		8.9	8.9				0.21				22.49	12.03	16.89
24.0	1432	8.0				0.38	1.4			9.0		8.9	8.9				0.21				22.49	12.03	16.89
24.0	1432	9.0				0.38	1.5			9.0		8.9	8.9				0.21				22.49	12.03	16.89
24.0	1432	10.0	1.3	0.52		0.38	1.5			9.0	8.9	8.9	8.9				0.22				22.49	12.03	16.89

LOCATION: South San Francisco Bay
 DATE: February 16, 1993
 JULIAN DAY: 93047
 Seabird v6.026

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	9	0.686	7.596	-1.440	0.329
Dissolved Oxygen Calibration:	4	0.493	-0.153	10.326	0.062

LOCATION: South San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
36.0	0632	1.0	3.2	0.38	0.66	3.3				116.0	2.11	134.8		13.04	11.12	9.72
36.0	0632	2.0			0.67	3.3					2.60	164.9		13.03	11.16	9.71
36.0	0632	3.0			0.70	3.5					2.63	167.0		13.36	11.20	9.95
36.0	0632	4.0			0.75	3.8					3.51	220.2		14.08	11.16	10.52
36.0	0632	5.0			0.78	4.1					3.95	247.5		14.63	11.09	10.96
36.0	0632	6.0			0.81	4.2					4.12	257.7		14.85	11.07	11.13
36.0	0632	7.0			0.85	4.5					4.59	286.2		15.10	11.06	11.33
36.0	0632	8.0			0.86	4.6					7.80	482.2		15.39	11.16	11.53
35.0	0651	1.0			0.65	3.2		9.8	9.1		1.62	105.1		14.74	11.14	11.03
35.0	0651	2.0			0.66	3.2		9.8	9.1		1.63	105.8		15.11	11.21	11.31
35.0	0651	3.0			0.64	3.1		9.7	9.0		1.86	120.0		15.92	11.32	11.92
35.0	0651	4.0			0.60	2.8		9.7	9.1		2.17	138.4		16.23	11.33	12.16
35.0	0651	5.0			0.58	2.7		9.7	9.0		1.87	120.2		16.43	11.36	12.31
35.0	0651	6.0			0.57	2.6		9.7	9.0		1.78	114.9		16.55	11.38	12.40
35.0	0651	7.0			0.57	2.6		9.7	9.0		1.81	116.9		16.57	11.39	12.41
34.0	0701	1.0			0.65	3.2		9.7	9.0	156.2	2.27	144.8	9.8	16.97	11.37	12.72
34.0	0701	2.0			0.65	3.2		9.7	9.0		2.56	162.5		17.18	11.37	12.89
34.0	0701	3.0			0.66	3.2		9.7	9.0		2.61	165.7		17.27	11.35	12.96
34.0	0701	4.0			0.67	3.3		9.7	9.0		2.70	171.2		17.38	11.27	13.06
34.0	0701	5.0			0.68	3.4		9.7	9.0		2.78	176.0		17.48	11.20	13.15
34.0	0701	6.0			0.68	3.4		9.7	9.0		2.80	176.8		17.56	11.13	13.22
34.0	0701	7.0			0.68	3.4		9.7	9.0		2.81	177.8		17.58	11.09	13.24
34.0	0701	8.0			0.68	3.4		9.7	9.0		2.78	176.1		17.58	11.04	13.25
34.0	0701	9.0			0.69	3.4		9.7	9.0		2.75	174.3		17.56	11.11	13.22
33.0	0716	2.0			0.55	2.5		10.4	9.6	94.0	1.32	86.6	9.4	15.73	10.94	11.83
33.0	0716	3.0			0.55	2.5		10.2	9.4		1.26	82.9		17.00	11.35	12.75
33.0	0716	4.0			0.55	2.5		10.0	9.2		1.30	85.4		17.55	11.50	13.15
33.0	0716	5.0			0.56	2.6		9.9	9.2		1.51	98.7		17.73	11.52	13.29

LOCATION: South San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a			CHL a	OXYG		OXYG	SPH		SPH				
33.0	0716	6.0		0.57	2.6	2.6	9.9	9.2	1.70	109.7	1.70	109.7		17.79	11.52	13.34
33.0	0716	7.0		0.58	2.7	2.7	9.9	9.2	1.80	116.2	1.80	116.2		17.92	11.55	13.43
33.0	0716	8.0		0.58	2.7	2.7	9.9	9.2	1.84	118.3	1.84	118.3		17.98	11.57	13.48
33.0	0716	9.0		0.58	2.7	2.7	9.9	9.2	1.83	117.7	1.83	117.7		18.06	11.59	13.53
33.0	0716	10.0		0.58	2.7	2.7	9.9	9.2	1.83	117.7	1.83	117.7		18.16	11.63	13.61
33.0	0716	11.0		0.58	2.7	2.7	9.8	9.1	1.84	118.6	1.84	118.6		18.33	11.68	13.73
33.0	0716	12.0		0.59	2.8	2.8	9.8	9.1	2.00	128.0	2.00	128.0		18.44	11.71	13.81
33.0	0716	13.0		0.60	2.8	2.8	9.8	9.1	2.08	133.4	2.08	133.4		18.48	11.71	13.84
32.0	0727	1.0		0.50	2.1	2.1	9.7	9.0	0.77	53.4	0.77	53.4	3.6	17.90	11.54	13.42
32.0	0727	2.0		0.50	2.2	2.2	9.7	9.0	0.77	53.2	0.77	53.2		17.90	11.54	13.42
32.0	0727	3.0		0.50	2.2	2.2	9.8	9.1	0.76	52.9	0.76	52.9		17.90	11.54	13.42
32.0	0727	4.0		0.50	2.2	2.2	9.8	9.1	0.76	52.8	0.76	52.8		17.91	11.56	13.43
32.0	0727	5.0		0.52	2.3	2.3	9.8	9.1	0.97	65.6	0.97	65.6		18.08	11.61	13.55
32.0	0727	6.0		0.53	2.4	2.4	9.8	9.1	1.08	72.0	1.08	72.0		18.24	11.64	13.67
32.0	0727	7.0		0.54	2.4	2.4	9.8	9.1	1.16	77.1	1.16	77.1		18.30	11.65	13.71
32.0	0727	8.0		0.54	2.4	2.4	9.8	9.1	1.29	85.0	1.29	85.0		18.32	11.66	13.73
32.0	0727	9.0		0.54	2.4	2.4	9.8	9.1	1.28	84.6	1.28	84.6		18.40	11.68	13.78
32.0	0727	10.0		0.54	2.4	2.4	9.8	9.1	1.28	84.5	1.28	84.5		18.44	11.70	13.81
32.0	0727	11.0		0.54	2.4	2.4	9.7	9.0	1.35	88.8	1.35	88.8		18.56	11.73	13.90
32.0	0727	12.0		0.55	2.5	2.5	9.7	9.1	1.39	91.2	1.39	91.2		18.64	11.73	13.96
32.0	0727	13.0		0.55	2.5	2.5	9.8	9.1	1.44	94.3	1.44	94.3		18.70	11.73	14.01
31.0	0745	1.0		0.49	2.1	2.1			0.62	44.1	0.62	44.1	2.7	18.14	11.47	13.62
31.0	0745	2.0		0.49	2.1	2.1			0.61	43.6	0.61	43.6		18.14	11.47	13.62
31.0	0745	3.0		0.50	2.1	2.1			0.61	43.5	0.61	43.5		18.23	11.53	13.68
31.0	0745	4.0		0.50	2.2	2.2			0.63	44.3	0.63	44.3		18.62	11.69	13.95
31.0	0745	5.0		0.52	2.3	2.3			0.78	53.9	0.78	53.9		18.72	11.70	14.03
31.0	0745	6.0		0.53	2.3	2.3			0.88	60.0	0.88	60.0		18.79	11.72	14.08
31.0	0745	7.0		0.54	2.4	2.4			1.05	70.2	1.05	70.2		18.83	11.73	14.11
31.0	0745	8.0		0.55	2.5	2.5			1.24	82.0	1.24	82.0		18.91	11.74	14.17

LOCATION: South San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 SeeBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	DISCR	OXYG	CALC	OXYG	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a			CHL a	OXYG		OXYG		OXYG		SPM		SPM				
31.0	0745	9.0			0.56	2.6								1.54	100.1		18.94	11.74	14.20
31.0	0745	10.0			0.57	2.6								1.74	112.6		18.99	11.73	14.23
31.0	0745	11.0			0.57	2.6								2.05	131.3		19.04	11.69	14.28
31.0	0745	12.0			0.58	2.7								2.12	135.7		19.08	11.65	14.31
31.0	0745	13.0			0.58	2.7								2.12	135.6		19.26	11.46	14.48
31.0	0745	14.0			0.58	2.7								2.08	133.0		19.35	11.39	14.57
30.0	0802	1.0	2.0	0.35	0.49	2.1		9.8		9.1		9.1	57.4	0.73	50.9	3.7	18.99	11.50	14.27
30.0	0802	2.0			0.49	2.1		9.9		9.2		9.2		0.73	50.7		19.09	11.57	14.34
30.0	0802	3.0			0.49	2.1		9.8		9.1		9.1		0.73	50.6		19.37	11.72	14.53
30.0	0802	4.0			0.50	2.1		9.7		9.0		9.0		0.74	51.1		19.54	11.75	14.66
30.0	0802	5.0			0.50	2.1		9.7		9.0		9.0		0.86	58.4		19.66	11.71	14.76
30.0	0802	6.0			0.50	2.1		9.8		9.1		9.1		1.01	67.6		19.74	11.70	14.82
30.0	0802	7.0			0.50	2.2		9.7		9.0		9.0		1.04	69.7		19.78	11.73	14.84
30.0	0802	8.0			0.50	2.2		9.7		9.0		9.0		1.14	75.6		19.81	11.74	14.86
30.0	0802	9.0			0.51	2.2		9.8		9.1		9.1		1.15	76.7		19.86	11.77	14.90
30.0	0802	10.0			0.51	2.2		9.7		9.0		9.0		1.19	78.9		19.91	11.81	14.93
30.0	0802	11.0			0.52	2.3		9.7		9.0		9.0		1.29	85.1		19.97	11.84	14.98
30.0	0802	12.0			0.55	2.5		9.6		9.0		9.0		1.33	87.6		20.05	11.86	15.03
30.0	0802	13.0			0.65	3.2		9.7		9.0		9.0		1.81	116.7		20.08	11.86	15.06
30.0	0802	14.0			0.67	3.3		9.7		9.0		9.0		2.69	170.2		20.11	11.86	15.08
29.5	0814	1.0			0.45	1.8		9.8		9.1		9.1	31.8	0.34	27.0	2.4	19.65	11.47	14.79
29.5	0814	2.0			0.45	1.8		9.9		9.2		9.2		0.38	29.1		20.00	11.46	15.06
29.5	0814	3.0			0.44	1.8		9.8		9.1		9.1		0.41	31.4		20.27	11.67	15.23
29.5	0814	4.0			0.45	1.8		9.8		9.1		9.1		0.53	38.6		20.29	11.72	15.24
29.5	0814	5.0			0.46	1.9		9.8		9.1		9.1		0.64	45.1		20.31	11.76	15.25
29.5	0814	6.0			0.47	2.0		9.7		9.0		9.0		0.73	50.7		20.32	11.78	15.25
29.5	0814	7.0			0.48	2.0		9.7		9.0		9.0		0.83	56.8		20.33	11.80	15.26
29.5	0814	8.0			0.49	2.1		9.7		9.0		9.0		0.92	62.5		20.33	11.80	15.26
29.5	0814	9.0			0.50	2.2		9.7		9.0		9.0		1.01	67.8		20.32	11.79	15.26

LOCATION: South San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PNA	FLOOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.5	0814	10.0			0.52	2.3		9.7	9.0		1.20	79.4		20.32	11.78	15.25
29.5	0814	11.0			0.54	2.5		9.7	9.0		1.29	84.9		20.32	11.77	15.26
29.5	0814	12.0			0.55	2.5		9.7	9.0		1.58	102.6		20.33	11.77	15.26
29.5	0814	13.0			0.55	2.5		9.7	9.0		1.96	125.7		20.33	11.78	15.26
29.5	0814	14.0			0.56	2.6		9.7	9.0		2.13	136.5		20.34	11.78	15.27
29.5	0814	15.0			0.56	2.6		9.7	9.0		2.23	142.5		20.34	11.78	15.27
29.0	0828	1.0			0.44	1.7	9.0	9.9	9.2	24.1	0.29	23.7	2.1	20.30	11.53	15.27
29.0	0828	2.0			0.43	1.7		9.9	9.2		0.30	24.5		20.56	11.67	15.45
29.0	0828	3.0			0.43	1.6		9.8	9.1		0.35	27.4		20.63	11.69	15.51
29.0	0828	4.0			0.42	1.6		9.8	9.1		0.43	32.6		20.71	11.69	15.57
29.0	0828	5.0			0.43	1.7		9.8	9.1		0.50	37.0		20.75	11.68	15.61
29.0	0828	6.0			0.43	1.7		9.8	9.1		0.55	39.7		20.78	11.67	15.63
29.0	0828	7.0			0.44	1.7		9.8	9.1		0.58	41.5		20.81	11.66	15.65
29.0	0828	8.0			0.44	1.8		9.8	9.1		0.64	45.5		20.83	11.66	15.67
29.0	0828	9.0			0.44	1.8		9.8	9.1		0.66	46.6		20.85	11.66	15.68
29.0	0828	10.0			0.44	1.7		9.8	9.1		0.67	46.9		20.89	11.66	15.72
29.0	0828	11.0			0.44	1.7		9.8	9.1		0.65	45.7		20.99	11.64	15.79
29.0	0828	12.0			0.45	1.8		9.7	9.1		0.66	46.2		21.04	11.61	15.84
29.0	0828	13.0			0.47	1.9		9.7	9.0		0.69	48.4		21.08	11.57	15.88
29.0	0828	14.0			0.49	2.1		9.7	9.0		0.77	53.5		21.17	11.43	15.97
29.0	0828	15.0			0.50	2.1		9.8	9.1		0.88	59.9		21.19	11.39	15.99
28.0	0919	1.0			0.44	1.8	26.3	9.7	9.0		0.35	27.3	2.3	21.04	11.62	15.83
28.0	0919	2.0			0.44	1.8		9.8	9.1		0.34	26.7		21.03	11.62	15.83
28.0	0919	3.0			0.43	1.7		9.7	9.0		0.33	26.2		21.03	11.62	15.83
28.0	0919	4.0			0.44	1.7		9.7	9.1		0.34	26.6		21.04	11.61	15.84
28.0	0919	5.0			0.44	1.7		9.7	9.0		0.33	26.5		21.08	11.60	15.87
28.0	0919	6.0			0.44	1.7		9.7	9.0		0.38	29.2		21.10	11.56	15.89
28.0	0919	7.0			0.45	1.8		9.7	9.0		0.44	33.3		21.12	11.52	15.91
28.0	0919	8.0			0.46	1.9		9.7	9.0		0.57	41.0		21.14	11.49	15.93

LOCATION: South San Francisco Bay

DATE: February 24, 1993

JULIAN DAY: 93055

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLOOR	CALC	DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a				CHL a	OXYG	OXYG	OXYG	OXYG	SPM		SPM				
28.0	0919	9.0				0.47	1.9	9.7	9.0	9.0	9.0	46.3	0.66	46.3		21.16	11.46	15.96
28.0	0919	10.0				0.47	2.0	9.7	9.0	9.0	9.0	50.4	0.72	50.4		21.19	11.44	15.98
28.0	0919	11.0				0.48	2.0	9.7	9.1	9.1	9.1	52.7	0.76	52.7		21.22	11.41	16.01
28.0	0919	12.0				0.48	2.0	9.8	9.1	9.1	9.1	59.1	0.87	59.1		21.24	11.40	16.02
28.0	0919	13.0				0.48	2.0	9.8	9.1	9.1	9.1	62.4	0.92	62.4		21.24	11.40	16.03
28.0	0919	14.0				0.49	2.1	9.8	9.1	9.1	9.1	63.1	0.93	63.1		21.26	11.39	16.04
28.0	0919	15.0				0.49	2.1	9.8	9.1	9.1	9.1	64.6	0.96	64.6		21.28	11.38	16.06
28.0	0919	16.0				0.49	2.1	9.8	9.1	9.1	9.1	75.3	1.13	75.3		21.29	11.39	16.06
27.0	0935	1.0	1.7	0.39		0.44	1.7	9.8	9.1	9.1	9.1	26.3	0.32	25.7	1.9	21.27	11.60	16.01
27.0	0935	2.0				0.43	1.7	9.8	9.1	9.1	9.1	25.6	0.32	25.6		21.27	11.60	16.02
27.0	0935	3.0				0.44	1.7	9.8	9.1	9.1	9.1	25.7	0.32	25.7		21.27	11.60	16.02
27.0	0935	4.0				0.44	1.7	9.8	9.1	9.1	9.1	25.7	0.32	25.7		21.27	11.60	16.02
27.0	0935	5.0				0.44	1.8	9.8	9.1	9.1	9.1	25.5	0.32	25.5		21.33	11.59	16.07
27.0	0935	6.0				0.44	1.8	9.8	9.1	9.1	9.1	26.8	0.34	26.8		21.36	11.59	16.09
27.0	0935	7.0				0.45	1.8	9.8	9.1	9.1	9.1	30.6	0.40	30.6		21.37	11.58	16.10
27.0	0935	8.0				0.45	1.8	9.8	9.1	9.1	9.1	34.2	0.46	34.2		21.39	11.57	16.11
27.0	0935	9.0				0.46	1.9	9.8	9.1	9.1	9.1	36.1	0.49	36.1		21.40	11.57	16.12
27.0	0935	10.0				0.46	1.9	9.8	9.1	9.1	9.1	37.9	0.52	37.9		21.41	11.57	16.13
27.0	0935	11.0				0.46	1.9	9.8	9.1	9.1	9.1	38.6	0.53	38.6		21.42	11.58	16.13
27.0	0935	12.0				0.47	1.9	9.8	9.1	9.1	9.1	41.4	0.58	41.4		21.42	11.58	16.13
27.0	0935	13.0	2.2	0.44		0.47	1.9	9.8	9.1	9.1	9.1	43.1	0.61	43.1		21.42	11.58	16.14
26.0	0950	1.0				0.51	2.2	9.8	9.1	9.1	9.1	23.2	0.26	22.1	1.8	21.72	11.53	16.38
26.0	0950	2.0				0.51	2.2	9.9	9.2	9.2	9.2	22.3	0.26	22.3		21.72	11.53	16.38
26.0	0950	3.0				0.51	2.3	9.9	9.2	9.2	9.2	22.4	0.27	22.4		21.72	11.53	16.38
26.0	0950	4.0				0.51	2.3	9.9	9.2	9.2	9.2	22.3	0.26	22.3		21.72	11.53	16.38
26.0	0950	5.0				0.51	2.3	9.9	9.2	9.2	9.2	22.2	0.26	22.2		21.72	11.53	16.38
26.0	0950	6.0				0.52	2.3	9.9	9.2	9.2	9.2	22.3	0.26	22.3		21.72	11.52	16.38
26.0	0950	7.0				0.53	2.3	9.9	9.2	9.2	9.2	22.4	0.27	22.4		21.72	11.52	16.38
26.0	0950	8.0				0.53	2.3	9.9	9.2	9.2	9.2	23.0	0.28	23.0		21.72	11.51	16.38

LOCATION: South San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ &+PNA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
26.0	0950	9.0		0.52	2.3	9.8	9.1	0.30	24.3	21.72	11.51	16.38				
26.0	0950	10.0		0.51	2.2	9.8	9.1	0.31	25.2	21.72	11.52	16.38				
26.0	0950	11.0		0.50	2.2	9.9	9.2	0.34	26.9	21.72	11.52	16.38				
25.0	1009	1.0		0.37	1.3	9.7	9.0	0.22	18.6	1.5	22.28	11.63	16.80			
25.0	1009	2.0		0.37	1.3	9.6	9.0	0.20	18.6		22.29	11.63	16.80			
25.0	1009	3.0		0.38	1.3	9.6	9.0	0.21	18.9		22.29	11.63	16.80			
25.0	1009	4.0		0.38	1.3	9.6	9.0	0.21	19.0		22.29	11.62	16.81			
25.0	1009	5.0		0.38	1.4	9.7	9.0	0.22	19.5		22.29	11.61	16.81			
25.0	1009	6.0		0.38	1.4	9.6	9.0	0.23	20.4		22.30	11.60	16.81			
25.0	1009	7.0		0.39	1.4	9.6	9.0	0.25	21.2		22.30	11.60	16.81			
25.0	1009	8.0		0.39	1.4	9.6	9.0	0.25	21.7		22.30	11.60	16.81			
25.0	1009	9.0		0.39	1.4	9.7	9.0	0.28	23.0		22.30	11.60	16.81			
24.0	1030	1.0		0.38	1.3	9.7	9.0	0.16	15.9	1.5	21.04	11.73	15.82			
24.0	1030	2.0		0.38	1.3	9.7	9.1	0.16	16.1		21.02	11.75	15.80			
24.0	1030	3.0		0.37	1.3	9.8	9.1	0.16	16.1		21.03	11.74	15.81			
24.0	1030	4.0		0.37	1.3	9.7	9.0	0.16	16.1		21.03	11.74	15.81			
24.0	1030	5.0		0.37	1.3	9.7	9.0	0.16	15.9		21.19	11.65	15.95			
24.0	1030	6.0		0.36	1.2	9.7	9.0	0.17	16.4		21.30	11.61	16.04			
24.0	1030	7.0		0.36	1.2	9.7	9.0	0.20	18.7		21.55	11.58	16.24			
24.0	1030	8.0		0.37	1.3	9.7	9.0	0.25	21.6		21.70	11.57	16.35			
24.0	1030	9.0		0.37	1.3	9.7	9.0	0.27	22.8		21.77	11.58	16.41			
24.0	1030	10.0		0.37	1.3	9.7	9.0	0.30	24.5		21.84	11.58	16.46			
24.0	1030	11.0	1.6	0.48	1.3	9.7	9.0	0.32	25.7		21.86	11.58	16.48			
23.0	1048	1.0	1.4	0.47	1.3	9.6	8.9	0.25	18.5	1.8	20.62	11.87	15.47			
23.0	1048	2.0		0.37	1.3	9.6	8.9	0.25	21.7		20.63	11.84	15.48			
23.0	1048	3.0		0.38	1.3	9.6	8.9	0.28	23.3		20.64	11.79	15.50			
23.0	1048	4.0		0.38	1.3	9.6	8.9	0.32	25.9		20.66	11.76	15.52			
23.0	1048	5.0		0.38	1.3	9.6	9.0	0.36	28.2		20.66	11.76	15.52			

LOCATION: South San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ μ+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OXYG	CALC	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
23.0	1048	6.0			0.38	1.3		9.6	8.9					0.38	29.2		20.66	11.76	15.52
23.0	1048	7.0			0.38	1.4		9.6	9.0					0.38	29.6		20.69	11.74	15.55
23.0	1048	8.0			0.39	1.4		9.6	9.0					0.39	30.2		20.73	11.72	15.58
23.0	1048	9.0			0.40	1.5		9.6	9.0					0.42	31.9		20.78	11.72	15.62
23.0	1048	10.0			0.41	1.5		9.6	9.0					0.52	37.9		20.80	11.72	15.63
23.0	1048	11.0			0.41	1.6		9.7	9.0					0.61	43.2		20.80	11.72	15.63
23.0	1048	12.0			0.42	1.6		9.7	9.0					0.65	45.7		20.81	11.71	15.64
23.0	1048	13.0			0.42	1.6		9.7	9.0					0.70	48.7		20.82	11.71	15.65
23.0	1048	14.0			0.42	1.6		9.7	9.0					0.75	52.3		20.82	11.71	15.65
23.0	1048	15.0			0.41	1.6		9.7	9.0					0.76	52.3		20.83	11.71	15.66
23.0	1048	16.0			0.41	1.5		9.7	9.0					0.79	54.1		20.85	11.71	15.67
23.0	1048	17.0			0.41	1.5		9.7	9.0					0.78	53.9		20.87	11.70	15.69
23.0	1048	18.0			0.41	1.6		9.7	9.0					0.79	54.3		20.90	11.70	15.72
23.0	1048	19.0			0.42	1.6		9.7	9.0					0.78	53.8		20.94	11.69	15.74
23.0	1048	20.0			0.44	1.7		9.7	9.0					0.81	55.4		21.03	11.66	15.82
23.0	1048	21.0			0.45	1.8		9.6	9.0					0.86	58.7		21.07	11.65	15.85
23.0	1048	22.0			0.46	1.9		9.6	9.0					0.97	65.2		21.10	11.64	15.88
23.0	1048	23.0			0.47	1.9		9.7	9.0					1.21	80.0		21.12	11.64	15.90
22.0	1110	1.0			0.35	1.1		10.0	9.3					0.16	16.0	1.5	16.19	11.44	12.11
22.0	1110	2.0			0.36	1.2		10.1	9.3					0.18	16.9		17.91	11.42	13.44
22.0	1110	3.0			0.37	1.2		9.9	9.2					0.21	18.9		19.25	11.56	14.46
22.0	1110	4.0			0.37	1.3		9.9	9.1					0.31	25.3		19.89	11.65	14.94
22.0	1110	5.0			0.38	1.3		9.8	9.1					0.38	29.5		20.07	11.68	15.08
22.0	1110	6.0			0.38	1.4		9.8	9.1					0.49	36.0		20.31	11.73	15.26
22.0	1110	7.0			0.39	1.4		9.8	9.1					0.55	39.4		20.41	11.74	15.33
22.0	1110	8.0			0.40	1.5		9.7	9.0					0.56	40.6		20.49	11.76	15.39
22.0	1110	9.0			0.40	1.5		9.7	9.0					0.57	40.9		20.54	11.78	15.42
22.0	1110	10.0			0.40	1.5		9.7	9.0					0.59	42.4		20.62	11.80	15.48
22.0	1110	11.0			0.40	1.5		9.7	9.0					0.60	42.7		20.65	11.80	15.51
22.0	1110	12.0			0.40	1.5		9.7	9.0					0.61	43.2		20.69	11.81	15.54

LOCATION: South San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ #PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
22.0	1110	13.0			0.40	1.5		9.7	9.0		0.64	45.1		20.70	11.81	15.55
22.0	1110	14.0			0.41	1.5		9.7	9.0		0.70	49.2		20.74	11.82	15.57
22.0	1110	15.0			0.41	1.5		9.7	9.0		0.71	49.5		20.75	11.82	15.58
22.0	1110	16.0			0.41	1.5		9.7	9.0		0.69	48.4		20.75	11.81	15.58
21.0	1135	1.0	0.6	0.50	0.33	1.0	9.3	10.0	9.2	11.6	0.16	16.2	1.5	17.58	11.76	13.14
21.0	1135	2.0			0.34	1.1		10.0	9.3		0.17	16.7		18.00	11.73	13.47
21.0	1135	3.0			0.34	1.1		9.9	9.2		0.17	16.7		18.24	11.72	13.65
21.0	1135	4.0			0.35	1.1		9.9	9.1		0.17	16.4		18.31	11.72	13.71
21.0	1135	5.0			0.36	1.2		9.8	9.1		0.16	16.1		19.41	11.60	14.58
21.0	1135	6.0			0.36	1.2		9.8	9.1		0.18	17.0		19.56	11.59	14.69
21.0	1135	7.0			0.36	1.2		9.9	9.1		0.20	18.4		19.66	11.60	14.77
21.0	1135	8.0			0.36	1.2		9.9	9.2		0.21	19.0		19.96	11.64	15.00
21.0	1135	9.0			0.36	1.2		9.9	9.2		0.21	19.2		20.29	11.70	15.24
21.0	1135	10.0			0.37	1.2		9.8	9.1		0.22	19.7		20.74	11.79	15.58
21.0	1135	11.0			0.37	1.3		9.8	9.1		0.23	20.2		20.92	11.82	15.72
21.0	1135	12.0			0.37	1.3		9.8	9.1		0.23	20.2		21.09	11.83	15.85
21.0	1135	13.0			0.38	1.4		9.7	9.0		0.24	20.9		21.48	11.87	16.14
21.0	1135	14.0			0.41	1.5		9.7	9.0		0.32	25.6		21.77	11.89	16.36
21.0	1135	15.0			0.43	1.7		9.7	9.0		0.69	48.6		21.99	11.91	16.52
21.0	1135	16.0			0.44	1.8		9.7	9.0		0.97	65.3		22.04	11.91	16.56
21.0	1135	17.0			0.45	1.8		9.6	9.0		1.12	74.7		22.09	11.92	16.60
21.0	1135	18.0			0.47	1.9		9.7	9.0		1.27	83.8		22.11	11.92	16.62
21.0	1135	19.0	1.8	0.21	0.47	1.9		9.6	9.0		1.55	101.1		22.12	11.92	16.62

n	r ²	Slope	Inter.	Std. Err.
8	0.896	6.797	-1.244	0.257
15	0.974	61.062	6.160	7.063
8	0.941	0.830	0.968	0.089

Fluorometer Calibration:
 OBS Calibration:
 Dissolved Oxygen Calibration:

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples

LOCATION: North San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			CHL a	OXYG	OXYG	OXYG	SPM		SPM				
657.0	1921	1.0	1.7	0.49	0.50	1.8	146.4	2.43	120.5	0.07	9.39	0.00					
657.0	1921	2.0			0.50	1.8		2.27	112.8	0.07	9.39	0.00					
657.0	1921	3.0			0.50	1.8		2.25	112.0	0.07	9.40	0.00					
657.0	1921	4.0			0.50	1.8		2.24	111.5	0.07	9.40	0.00					
657.0	1921	5.0			0.50	1.8		2.21	109.9	0.07	9.40	0.00					
657.0	1921	6.0			0.50	1.8		2.25	111.9	0.07	9.40	0.00					
657.0	1921	7.0			0.50	1.8		2.27	112.7	0.07	9.40	0.00					
657.0	1921	8.0			0.50	1.8		2.23	111.0	0.07	9.40	0.00					
657.0	1921	9.0			0.51	1.8		2.22	110.5	0.07	9.40	0.00					
657.0	1921	10.0			0.51	1.8		2.28	113.4	0.07	9.41	0.00					
657.0	1921	11.0			0.52	1.9		2.29	113.9	0.07	9.40	0.00					
657.0	1921	12.0	2.1	0.57	0.52	1.9		2.38	118.0	0.07	9.40	0.00					
653.0	1845	1.0			0.65	2.4	167.6	3.47	170.1	0.10	9.43	0.00					
653.0	1845	2.0			0.65	2.4		3.41	167.4	0.10	9.43	0.00					
653.0	1845	3.0			0.65	2.5		3.43	168.5	0.10	9.43	0.00					
653.0	1845	4.0			0.65	2.5		3.43	168.4	0.10	9.43	0.00					
653.0	1845	5.0			0.65	2.5		3.47	170.2	0.10	9.43	0.00					
653.0	1845	6.0			0.66	2.5		3.45	169.2	0.10	9.43	0.00					
653.0	1845	7.0			0.66	2.5		3.50	171.7	0.10	9.43	0.00					
653.0	1845	8.0			0.67	2.5		3.55	174.1	0.10	9.43	0.00					
653.0	1845	9.0			0.67	2.5		3.59	175.8	0.10	9.43	0.00					
653.0	1845	10.0			0.67	2.6		3.68	180.1	0.10	9.43	0.00					
653.0	1845	11.0			0.67	2.6		3.73	182.5	0.10	9.43	0.00					
649.0	1813	1.0	2.3	0.68	0.52	1.9	101.1	2.10	104.6	0.08	9.34	0.00					
649.0	1813	2.0			0.52	1.9		2.09	104.3	0.08	9.34	0.00					
649.0	1813	3.0			0.52	1.9		2.09	104.1	0.08	9.34	0.00					
649.0	1813	4.0			0.52	1.9		2.08	103.6	0.08	9.34	0.00					
649.0	1813	5.0			0.52	1.9		2.12	105.6	0.08	9.34	0.00					
649.0	1813	6.0			0.53	1.9		2.12	105.8	0.08	9.35	0.00					

LOCATION: North San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
649.0	1813	7.0			0.55	2.0				2.18	108.5		0.08	9.39	0.00
649.0	1813	8.0			0.56	2.0				2.33	115.7		0.09	9.41	0.00
649.0	1813	9.0			0.56	2.1				2.38	118.4		0.09	9.42	0.00
649.0	1813	10.0			0.56	2.1				2.42	120.3		0.09	9.42	0.00
649.0	1813	11.0	1.5	0.33	0.56	2.1				2.42	120.3		0.09	9.42	0.00
2.0	1751	1.0	2.1	0.50	0.58	2.1			112.1	2.53	125.4		0.10	9.68	0.00
2.0	1751	2.0			0.58	2.2				2.56	127.0		0.10	9.68	0.00
2.0	1751	3.0			0.58	2.2				2.58	127.7		0.10	9.67	0.00
2.0	1751	4.0			0.58	2.1				2.46	122.1		0.10	9.66	0.00
2.0	1751	5.0			0.58	2.1				2.38	118.2		0.10	9.66	0.00
2.0	1751	6.0			0.58	2.1				2.38	118.1		0.10	9.66	0.00
2.0	1751	7.0			0.58	2.1				2.37	117.5		0.10	9.66	0.00
2.0	1751	8.0			0.58	2.1				2.34	116.3		0.10	9.68	0.00
2.0	1751	9.0			0.58	2.2				2.35	116.8		0.10	9.69	0.00
2.0	1751	10.0			0.58	2.1				2.36	117.1		0.10	9.69	0.00
2.0	1751	11.0	2.8	0.62	0.58	2.1				2.36	117.2		0.10	9.69	0.00
3.0	1734	1.0			0.57	2.1			115.5	2.26	112.2		0.10	9.82	0.00
3.0	1734	2.0			0.57	2.1				2.24	111.4		0.10	9.83	0.00
3.0	1734	3.0			0.57	2.1				2.25	111.7		0.10	9.83	0.00
3.0	1734	4.0			0.57	2.1				2.24	111.7		0.10	9.82	0.00
3.0	1734	5.0			0.57	2.1				2.29	113.7		0.10	9.80	0.00
3.0	1734	6.0			0.57	2.1				2.31	114.8		0.10	9.75	0.00
3.0	1734	7.0			0.58	2.1				2.34	116.0		0.10	9.74	0.00
3.0	1734	8.0			0.58	2.1				2.36	117.1		0.10	9.73	0.00
3.0	1734	9.0			0.58	2.2				2.39	118.4		0.10	9.73	0.00
3.0	1734	10.0			0.58	2.1				2.41	119.8		0.10	9.71	0.00
3.0	1734	11.0			0.58	2.1				2.50	123.8		0.10	9.71	0.00
3.0	1734	12.0			0.58	2.2				2.43	120.8		0.10	9.69	0.00
3.0	1734	13.0			0.59	2.2				2.45	121.6		0.10	9.68	0.00

LOCATION: North San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ µ+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
3.0	1734	14.0		0.59	2.2					2.48	122.8		0.10	9.68	0.00
4.0	1712	1.0		0.53	1.9				91.6	1.94	97.2	8.0	0.09	9.81	0.00
4.0	1712	2.0		0.54	2.0					1.92	96.4		0.09	9.80	0.00
4.0	1712	3.0		0.54	2.0					1.93	96.4		0.09	9.80	0.00
4.0	1712	4.0		0.54	2.0					1.93	96.9		0.09	9.76	0.00
4.0	1712	5.0		0.54	2.0					1.92	96.1		0.09	9.75	0.00
4.0	1712	6.0		0.54	2.0					1.96	98.2		0.09	9.74	0.00
4.0	1712	7.0		0.54	2.0					1.98	98.9		0.09	9.72	0.00
4.0	1712	8.0		0.54	2.0					1.95	97.4		0.09	9.72	0.00
4.0	1712	9.0		0.54	2.0					2.02	100.8		0.09	9.66	0.00
4.0	1712	10.0		0.55	2.0					2.01	100.3		0.09	9.64	0.00
4.0	1712	11.0		0.55	2.0					1.98	99.2		0.08	9.61	0.00
4.0	1712	12.0		0.55	2.0					2.02	100.7		0.08	9.60	0.00
4.0	1712	13.0		0.55	2.0					2.01	100.3		0.08	9.60	0.00
4.0	1712	14.0		0.55	2.0					2.07	103.1		0.09	9.64	0.00
5.0	1655	1.0		0.53	1.9					1.91	95.9	5.5	0.10	9.93	0.00
5.0	1655	2.0		0.53	1.9					1.87	93.8		0.10	9.94	0.00
5.0	1655	3.0		0.53	1.9					1.88	94.0		0.10	9.94	0.00
5.0	1655	4.0		0.53	1.9					1.90	95.1		0.10	9.93	0.00
5.0	1655	5.0		0.53	1.9					1.90	95.3		0.10	9.93	0.00
5.0	1655	6.0		0.54	2.0					1.90	95.4		0.10	9.93	0.00
5.0	1655	7.0		0.54	2.0					1.92	96.1		0.10	9.93	0.00
5.0	1655	8.0		0.54	2.0					1.92	96.2		0.10	9.93	0.00
5.0	1655	9.0		0.54	2.0					1.92	96.1		0.10	9.93	0.00
5.0	1655	10.0		0.54	2.0					1.93	96.7		0.10	9.93	0.00
5.0	1655	11.0		0.54	2.0					1.94	97.3		0.10	9.93	0.00
5.0	1655	12.0		0.53	1.9					1.96	97.9		0.10	9.93	0.00
5.0	1655	13.0		0.53	1.9					1.96	97.9		0.10	9.93	0.00

LOCATION: North San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ μ+PHA	FLUOR	CHL a	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
6.0	1633	1.0			0.51	1.9					83.5	1.79	90.0	6.3	0.10	10.10	0.00
6.0	1633	2.0			0.51	1.8						1.71	86.2		0.10	10.10	0.00
6.0	1633	3.0			0.52	1.9						1.68	84.9		0.10	10.09	0.00
6.0	1633	4.0			0.52	1.9						1.71	86.2		0.10	10.09	0.00
6.0	1633	5.0			0.53	1.9						1.72	86.5		0.10	10.05	0.00
6.0	1633	6.0			0.53	1.9						1.76	88.5		0.10	9.99	0.00
6.0	1633	7.0			0.53	1.9						1.80	90.6		0.10	9.98	0.00
6.0	1633	8.0			0.53	1.9						1.85	92.8		0.10	9.98	0.00
6.0	1633	9.0			0.52	1.9						1.89	94.7		0.10	9.98	0.00
6.0	1633	10.0			0.52	1.9						1.90	95.1		0.10	9.98	0.00
6.0	1633	11.0			0.52	1.9						1.89	95.0		0.10	9.98	0.00
6.0	1633	12.0			0.52	1.9						1.88	94.0		0.10	9.98	0.00
6.0	1633	13.0		1.9	0.47	1.9						1.84	92.4		0.10	9.98	0.00
7.0	1608	1.0			0.48	1.7						1.68	84.8	6.2	0.13	10.16	0.00
7.0	1608	2.0			0.48	1.7					89.8	1.71	86.2		0.13	10.16	0.00
7.0	1608	3.0			0.48	1.7						1.72	86.4		0.13	10.16	0.00
7.0	1608	4.0			0.48	1.7						1.73	86.9		0.13	10.16	0.00
7.0	1608	5.0			0.48	1.7						1.73	87.1		0.13	10.16	0.00
7.0	1608	6.0			0.48	1.7						1.72	86.8		0.13	10.16	0.00
7.0	1608	7.0			0.48	1.7						1.71	86.1		0.13	10.16	0.00
7.0	1608	8.0			0.48	1.7						1.72	86.3		0.13	10.15	0.00
7.0	1608	9.0			0.49	1.7						1.74	87.7		0.13	10.15	0.00
7.0	1608	10.0			0.48	1.7						1.72	86.5		0.13	10.14	0.00
7.0	1608	11.0			0.48	1.7						1.75	88.1		0.13	10.14	0.00
7.0	1608	12.0			0.48	1.7						1.74	87.4		0.13	10.14	0.00
7.0	1608	13.0			0.48	1.7						1.75	88.1		0.13	10.14	0.00
7.0	1608	14.0			0.48	1.7						1.75	87.9		0.13	10.14	0.00
7.0	1608	15.0			0.49	1.7						1.74	87.3		0.13	10.14	0.00
7.0	1608	16.0			0.49	1.7						1.76	88.4		0.13	10.14	0.00

LOCATION: North San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 Seabird v4.026

STN	TIME	DEPTH	DISC CHL a	CHL a/ #PHA	FLUOR	CALC CHL a	DISC OXYG	CALC OXYG	DISC SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
8.0	1547	1.0			0.47	1.6				1.85	92.6	6.1	0.19	10.11	0.00
8.0	1547	2.0			0.46	1.6				1.77	88.8		0.18	10.11	0.00
8.0	1547	3.0			0.47	1.6				1.86	93.1		0.18	10.11	0.00
8.0	1547	4.0			0.47	1.7				1.89	94.7		0.18	10.11	0.00
8.0	1547	5.0			0.47	1.6				1.91	95.5		0.18	10.11	0.00
8.0	1547	6.0			0.47	1.7				1.92	96.2		0.18	10.11	0.00
8.0	1547	7.0			0.48	1.7				1.91	95.9		0.18	10.11	0.00
8.0	1547	8.0			0.48	1.7				2.03	101.3		0.18	10.11	0.00
8.0	1547	9.0			0.48	1.7				2.08	103.9		0.18	10.11	0.00
8.0	1547	10.0			0.48	1.7				2.11	105.1		0.18	10.11	0.00
8.0	1547	11.0			0.48	1.7				2.13	106.3		0.18	10.12	0.00
8.0	1547	12.0			0.48	1.7				2.11	105.2		0.18	10.11	0.00
8.0	1547	13.0			0.48	1.7				2.11	105.4		0.18	10.12	0.00
8.0	1547	14.0			0.48	1.7				2.15	107.4		0.18	10.12	0.00
8.0	1547	15.0			0.48	1.7				2.35	116.7		0.18	10.12	0.00
9.0	1530	1.0	1.0	0.38	0.45	1.6			79.7	1.62	81.8	5.6	0.27	10.49	0.00
9.0	1530	2.0			0.45	1.6				1.51	76.8		0.28	10.44	0.00
9.0	1530	3.0			0.45	1.6				1.52	77.3		0.29	10.43	0.00
9.0	1530	4.0			0.45	1.6				1.55	78.6		0.29	10.41	0.00
9.0	1530	5.0			0.45	1.6				1.54	77.9		0.30	10.39	0.00
9.0	1530	6.0			0.45	1.6				1.55	78.4		0.43	10.34	0.01
9.0	1530	7.0			0.44	1.5				1.54	77.9		0.61	10.36	0.15
9.0	1530	8.0			0.44	1.5				1.52	77.3		0.81	10.38	0.30
9.0	1530	9.0			0.43	1.5				1.50	75.8		1.05	10.40	0.49
9.0	1530	10.0			0.43	1.5				1.46	74.3		1.26	10.40	0.66
9.0	1530	11.0			0.43	1.5				1.46	74.2		1.59	10.43	0.91
9.0	1530	12.0			0.44	1.5				1.45	73.9		2.39	10.47	1.53
9.0	1530	13.0			0.45	1.6				1.49	75.5		2.58	10.49	1.67
9.0	1530	14.0			0.45	1.6				1.62	81.6		2.67	10.50	1.75
9.0	1530	15.0			0.45	1.6				1.72	86.6		2.71	10.50	1.78

LOCATION: North San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EKCOF	SALIN	TEMP	SIGT
9.0	1530	16.0			0.45	1.6				1.78	89.4		2.69	10.50	1.76
9.0	1530	17.0			0.45	1.6				1.81	91.1		2.70	10.50	1.77
9.0	1530	18.0			0.45	1.6				1.83	91.7		2.73	10.50	1.79
9.0	1530	19.0			0.45	1.6				1.85	92.9		2.76	10.50	1.82
9.0	1530	20.0			0.45	1.6				1.86	93.5		2.90	10.52	1.92
9.0	1530	21.0			0.45	1.6				1.87	93.5		2.94	10.53	1.95
9.0	1530	22.0			0.45	1.6				1.90	95.0		2.95	10.53	1.96
9.0	1530	23.0			0.46	1.6				1.91	95.7		3.05	10.54	2.04
9.0	1530	24.0			0.48	1.7				1.92	96.2		3.33	10.57	2.25
9.0	1530	25.0			0.50	1.8				2.13	106.2		3.59	10.59	2.45
9.0	1530	26.0			0.52	1.9				2.65	131.0		3.65	10.59	2.50
9.0	1530	27.0			0.54	2.0				3.37	165.7		3.67	10.59	2.52
9.0	1530	28.0	1.7	0.24	0.54	2.0				3.95	193.2		3.69	10.59	2.53
10.0	1514	1.0			0.45	1.6				1.72	86.6	6.7	0.44	10.43	0.01
10.0	1514	2.0			0.45	1.6				1.65	83.4		0.43	10.42	0.00
10.0	1514	3.0			0.45	1.6				1.67	84.3		0.49	10.47	0.05
10.0	1514	4.0			0.45	1.6				1.71	85.9		0.58	10.50	0.11
10.0	1514	5.0			0.44	1.5				1.65	83.1		0.86	10.49	0.33
10.0	1514	6.0			0.44	1.5				1.57	79.4		1.31	10.48	0.69
10.0	1514	7.0			0.44	1.5				1.50	76.3		1.78	10.51	1.05
10.0	1514	8.0			0.43	1.5				1.50	75.8		2.50	10.55	1.61
10.0	1514	9.0			0.43	1.5				1.47	74.5		2.71	10.59	1.76
10.0	1514	10.0			0.44	1.5				1.45	73.6		3.06	10.62	2.03
10.0	1514	11.0			0.46	1.6				1.58	80.0		3.46	10.61	2.35
10.0	1514	12.0			0.50	1.8				1.83	91.8		4.43	10.61	3.10
10.0	1514	13.0			0.54	2.0				2.18	108.7		5.51	10.62	3.94
10.0	1514	14.0			0.56	2.1				2.90	142.9		5.93	10.63	4.27
10.0	1514	15.0			0.58	2.1				3.27	160.7		6.05	10.63	4.36
10.0	1514	16.0			0.58	2.2				3.81	186.6		6.17	10.63	4.45
10.0	1514	17.0			0.59	2.2				4.22	206.2		6.18	10.63	4.46

LOCATION: North San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPH	OBS SPH	CALC SPH	EXCOF	SALIN	TEMP	SIGT
10.0	1514	18.0			0.59	2.2				4.59	223.7		6.19	10.63	4.47
10.0	1514	19.0			0.59	2.2				4.69	228.6		6.19	10.63	4.47
11.0	1456	1.0			0.44	1.6		9.6	81.2	1.65	83.3	6.3	0.71	10.43	0.22
11.0	1456	2.0			0.44	1.6		10.2		1.58	80.0		0.83	10.41	0.32
11.0	1456	3.0			0.45	1.6		10.3		1.51	76.6		1.54	10.53	0.86
11.0	1456	4.0			0.45	1.6		10.3		1.36	69.5		3.82	10.59	2.63
11.0	1456	5.0			0.47	1.6		10.4		1.24	63.6		4.78	10.61	3.38
11.0	1456	6.0			0.47	1.7		10.4		1.25	64.1		4.87	10.62	3.44
11.0	1456	7.0			0.47	1.7		10.5		1.35	68.8		4.93	10.62	3.49
11.0	1456	8.0			0.46	1.6		10.5		1.34	68.3		5.14	10.61	3.66
11.0	1456	9.0			0.45	1.6		10.5		1.29	65.8		5.56	10.65	3.98
11.0	1456	10.0			0.43	1.5		10.6		1.15	59.3		6.41	10.61	4.64
11.0	1456	11.0			0.44	1.5		10.5		1.05	54.8		8.74	10.82	6.43
11.0	1456	12.0			0.48	1.7		10.3		1.75	88.1		10.87	11.10	8.04
11.0	1456	13.0			0.54	2.0		10.1		2.61	129.3		12.36	11.29	9.17
11.0	1456	14.0			0.58	2.1		10.0		5.38	261.5		12.52	11.31	9.29
11.0	1456	15.0			0.60	2.2		10.0		6.16	299.2		12.53	11.31	9.30
11.0	1456	16.0			0.62	2.3		10.0		7.06	342.0		12.53	11.31	9.30
11.0	1456	17.0			0.61	2.3		10.0		8.07	390.6		12.50	11.31	9.28
13.0	1416	1.0	1.4	0.67	0.37	1.2	9.9	10.6	24.1	0.42	24.3	2.3	7.47	11.01	5.42
13.0	1416	2.0			0.37	1.2		10.8		0.38	22.5		8.35	10.90	6.12
13.0	1416	3.0			0.36	1.2		10.7		0.38	22.3		11.44	11.06	8.49
13.0	1416	4.0			0.35	1.1		10.3		0.36	21.4		15.40	11.40	11.51
13.0	1416	5.0			0.35	1.1		10.2		0.31	19.2		16.62	11.52	12.44
13.0	1416	6.0			0.35	1.1		10.1		0.31	18.9		17.28	11.60	12.93
13.0	1416	7.0			0.36	1.2		10.0		0.34	20.8		17.78	11.64	13.31
13.0	1416	8.0			0.37	1.2		9.9		0.39	23.1		18.81	11.71	14.10
13.0	1416	9.0			0.38	1.3		9.9		0.45	26.0		18.92	11.72	14.18
13.0	1416	10.0			0.39	1.3		9.9		0.72	38.9		18.95	11.72	14.21

LOCATION: North San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPH	OBS	CALC SPH	EXCOF	SALIN	TEMP	SIGT
13.0	1416	11.0	1.2	0.31	0.39	1.3	9.9	9.9	9.1	41.3	0.77	41.3		18.96	11.72	14.21
15.0	1345	1.0	1.4		0.36	1.2	9.6	10.4	9.6	18.0	0.28	17.7	1.9	10.91	10.99	8.09
15.0	1345	2.0			0.36	1.2	10.4	10.4	9.6		0.27	17.4		11.63	10.88	8.66
15.0	1345	3.0			0.36	1.2	10.5	10.5	9.7		0.28	17.5		12.62	10.91	9.42
15.0	1345	4.0			0.36	1.2	10.4	10.4	9.6		0.29	18.3		13.73	11.06	10.26
15.0	1345	5.0			0.36	1.2	10.5	10.5	9.7		0.30	18.6		14.02	11.15	10.47
15.0	1345	6.0			0.36	1.2	10.4	10.4	9.6		0.31	18.9		14.85	11.31	11.09
15.0	1345	7.0			0.37	1.2	10.3	10.3	9.5		0.36	21.5		15.81	11.45	11.81
15.0	1345	8.0			0.38	1.2	10.2	10.2	9.5		0.40	23.6		16.56	11.52	12.39
15.0	1345	9.0			0.38	1.3	10.2	10.2	9.4		0.47	26.9		17.25	11.57	12.91
15.0	1345	10.0			0.39	1.3	10.1	10.1	9.4		0.58	31.9		18.52	11.66	13.88
15.0	1345	11.0			0.39	1.3	10.0	10.0	9.3		0.70	38.0		19.93	11.77	14.96
15.0	1345	12.0			0.39	1.3	9.9	9.9	9.1		0.75	40.2		20.93	11.82	15.72
15.0	1345	13.0			0.40	1.4	9.8	9.8	9.1		0.87	45.8		20.99	11.82	15.76
15.0	1345	14.0			0.40	1.4	9.8	9.8	9.1		0.91	47.6		21.06	11.82	15.82
15.0	1345	15.0			0.40	1.4	9.8	9.8	9.1		0.95	49.8		21.30	11.83	16.00
15.0	1345	16.0			0.41	1.4	9.8	9.8	9.1		0.98	51.1		21.42	11.83	16.10
15.0	1345	17.0			0.41	1.4	9.8	9.8	9.1		1.00	52.0		21.47	11.84	16.13
15.0	1345	18.0			0.41	1.4	9.7	9.7	9.1		1.02	53.3		21.48	11.84	16.14
15.0	1345	19.0			0.41	1.4	9.8	9.8	9.1		1.06	55.1		21.50	11.84	16.16
15.0	1345	20.0			0.41	1.4	9.8	9.8	9.1		1.11	57.5		21.51	11.84	16.17
15.0	1345	21.0			0.41	1.4	9.8	9.8	9.1		1.20	61.7		21.51	11.84	16.17
15.0	1345	22.0			0.42	1.4	9.8	9.8	9.1		1.24	63.4		21.51	11.84	16.17
15.0	1345	23.0			0.42	1.4	9.7	9.7	9.1		1.26	64.7		21.51	11.84	16.16
15.0	1345	24.0			0.42	1.5	9.7	9.7	9.0		1.28	65.7		21.50	11.84	16.16
15.0	1345	25.0	0.9	0.14	0.42	1.4	9.8	9.8	9.1		1.40	71.1		21.50	11.85	16.16
18.0	1215	1.0	1.1	0.50	0.35	1.1	8.9	9.5	8.9	12.3	0.14	11.1	1.3	22.37	11.87	16.83
18.0	1215	2.0			0.35	1.1	9.6	9.6	8.9		0.14	11.2		22.44	11.87	16.88
18.0	1215	3.0			0.35	1.1	9.6	9.6	8.9		0.15	11.3		22.52	11.88	16.94

LOCATION: North San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1215	4.0			0.35	1.1		9.6	8.9		0.15	11.3		22.64	11.89	17.03
18.0	1215	5.0			0.35	1.1		9.6	8.9		0.15	11.4		22.79	11.90	17.15
18.0	1215	6.0			0.35	1.1		9.6	8.9		0.15	11.3		22.80	11.90	17.15
18.0	1215	7.0			0.34	1.1		9.6	8.9		0.14	11.2		22.85	11.91	17.19
18.0	1215	8.0			0.35	1.1		9.6	8.9		0.14	11.1		22.84	11.91	17.18
18.0	1215	9.0			0.35	1.1		9.6	8.9		0.14	11.2		22.88	11.91	17.21
18.0	1215	10.0			0.35	1.1		9.6	8.9		0.14	11.1		23.06	11.93	17.35
18.0	1215	11.0			0.35	1.1		9.6	8.9		0.14	11.1		23.26	11.94	17.50
18.0	1215	12.0			0.36	1.2		9.6	8.9		0.14	11.2		23.48	11.97	17.67
18.0	1215	13.0			0.36	1.2		9.6	8.9		0.15	11.4		23.62	11.97	17.77
18.0	1215	14.0			0.36	1.2		9.6	8.9		0.15	11.7		23.67	11.98	17.81
18.0	1215	15.0			0.36	1.2		9.6	8.9		0.15	11.7		23.79	11.99	17.90
18.0	1215	16.0			0.37	1.2		9.6	8.9		0.16	11.8		24.13	12.01	18.16
18.0	1215	17.0			0.37	1.2		9.5	8.9		0.17	12.3		24.51	12.04	18.45
18.0	1215	18.0			0.37	1.2		9.6	8.9		0.17	12.5		24.75	12.06	18.64
18.0	1215	19.0			0.38	1.3		9.5	8.9		0.22	14.6		25.31	12.11	19.06
18.0	1215	20.0			0.39	1.3		9.5	8.9		0.24	15.7		25.86	12.14	19.48
18.0	1215	21.0			0.39	1.3		9.5	8.9		0.25	16.1		26.25	12.17	19.78
18.0	1215	22.0			0.38	1.3		9.4	8.8		0.27	17.4		26.55	12.19	20.00
18.0	1215	23.0			0.38	1.3		9.4	8.8		0.28	17.7		26.69	12.20	20.11
18.0	1215	24.0			0.38	1.3		9.4	8.8		0.29	18.1		26.80	12.20	20.19
18.0	1215	25.0			0.38	1.3		9.4	8.8		0.32	19.6		26.91	12.21	20.28
18.0	1215	26.0			0.39	1.3		9.4	8.8		0.32	19.7		26.93	12.21	20.30
18.0	1215	27.0			0.39	1.3		9.4	8.8		0.32	19.6		26.95	12.22	20.31
18.0	1215	28.0			0.39	1.3		9.4	8.8		0.33	19.9		26.95	12.22	20.31
18.0	1215	29.0			0.40	1.3		9.4	8.8		0.32	19.6		26.96	12.22	20.31
18.0	1215	30.0			0.40	1.3		9.4	8.8		0.32	19.8		26.98	12.22	20.33
18.0	1215	31.0			0.39	1.3		9.4	8.8		0.32	19.8		26.98	12.22	20.33
18.0	1215	32.0			0.39	1.3		9.4	8.8		0.35	21.0		27.03	12.22	20.37
18.0	1215	33.0			0.39	1.3		9.5	8.8		0.35	21.0		27.03	12.22	20.37
18.0	1215	34.0			0.39	1.3		9.4	8.8		0.35	20.9		27.05	12.23	20.39

LOCATION: North San Francisco Bay
 DATE: February 24, 1993
 JULIAN DAY: 93055
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1215	35.0			0.40	1.3	9.4	8.8		0.37	22.1		27.11	12.23	20.43
18.0	1215	36.0			0.40	1.4	9.4	8.8		0.40	23.5		27.13	12.23	20.44
18.0	1215	37.0			0.40	1.3	9.4	8.8		0.41	24.2		27.14	12.23	20.45
18.0	1215	38.0			0.40	1.3	9.4	8.8		0.42	24.3		27.15	12.23	20.46
18.0	1215	39.0			0.40	1.3	9.4	8.8		0.43	24.6		27.15	12.23	20.46
18.0	1215	40.0			0.39	1.3	9.4	8.8		0.43	24.9		27.15	12.23	20.46
18.0	1215	41.0			0.39	1.3	9.4	8.8		0.43	24.9		27.15	12.23	20.46
18.0	1215	42.0			0.40	1.3	9.4	8.8		0.44	25.4		27.15	12.23	20.46
18.0	1215	43.0			0.39	1.3	9.4	8.8		0.45	25.6		27.15	12.23	20.46
18.0	1215	44.0			0.39	1.3	9.4	8.8		0.44	25.5		27.15	12.23	20.46
18.0	1215	46.0	1.8	0.38	0.40	1.3	9.4	8.8		0.45	25.9		27.15	12.23	20.46

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	15	0.490	4.414	-0.414	0.390
OBS Calibration:	13	0.962	47.835	4.307	9.479
Dissolved Oxygen Calibration:	8	0.941	0.830	0.968	0.089

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples

LOCATION: South San Francisco Bay

DATE: March 11, 1993

JULIAN DAY: 93070

SeaBird v4.026

STN	TIME	DEPTH	DISCR		CHL a	CHL a/ a+PHA	FLUOR	CALC		DISCR	OXYG	CALC		DISCR	SPM	OBS	CALC		EXCOF	SALIN	TEMP	SIGT	
			CHL a	CHL a/ a+PHA				CHL a	CHL a			CHL a	CHL a				SPM	SPM					
36.0	1203	1.0	11.4	0.43	1.43	13.2	8.0	9.6	163.1	1.65	171.0	4.7	14.62	15.59	10.21								
36.0	1203	2.0			1.44	13.3	8.1	9.6		2.11	218.9		14.71	15.59	10.28								
36.0	1203	3.0			1.49	13.7	8.1	9.7		2.66	276.2		14.79	15.61	10.34								
36.0	1203	4.0			1.53	14.0	8.2	9.7		2.71	281.9		14.85	15.61	10.39								
36.0	1203	5.0			1.55	14.1	8.2	9.7		2.90	302.0		14.88	15.62	10.41								
36.0	1203	6.0			1.57	14.4	8.2	9.7		3.78	393.9		14.90	15.62	10.43								
36.0	1203	7.0			1.54	14.1	8.2	9.7		4.43	462.2		14.93	15.62	10.44								
36.0	1203	8.0	13.4	0.40	1.51	13.8	8.2	9.7		5.51	575.9		14.94	15.62	10.45								
35.0	1150	1.0			1.40	12.9	8.0	9.6	100.9	0.66	67.2	3.8	14.60	16.12	10.10								
35.0	1150	2.0			1.41	13.0	8.1	9.6		0.73	74.0		14.97	15.75	10.45								
35.0	1150	3.0			1.48	13.6	8.1	9.7		1.06	108.7		15.17	15.60	10.63								
35.0	1150	4.0			1.53	14.0	8.1	9.7		1.51	155.8		15.18	15.60	10.64								
35.0	1150	5.0			1.54	14.1	8.1	9.7		2.05	212.5		15.18	15.60	10.64								
35.0	1150	6.0			1.57	14.3	8.1	9.7		2.37	246.3		15.19	15.59	10.65								
35.0	1150	7.0			1.61	14.7	8.1	9.7		3.13	325.4		15.18	15.58	10.65								
35.0	1150	8.0			1.60	14.6	8.2	9.7		6.14	641.1		15.17	15.58	10.63								
34.0	1139	1.0			1.42	13.1	8.0	9.6	36.1	0.41	40.9	2.7	14.97	15.65	10.47								
34.0	1139	2.0			1.46	13.4	8.1	9.6		0.46	45.5		15.38	15.55	10.80								
34.0	1139	3.0			1.54	14.1	8.3	9.7		0.51	51.6		16.11	15.39	11.39								
34.0	1139	4.0			1.54	14.1	8.2	9.7		0.84	85.8		16.17	15.41	11.43								
33.0	1121	1.0			1.57	14.4	8.9	9.8	27.7	0.31	30.3	2.3	16.09	15.58	11.34								
33.0	1121	2.0			1.57	14.4	8.8	9.7		0.32	31.1		16.22	15.47	11.46								
33.0	1121	3.0			1.55	14.1	8.8	9.7		0.33	32.5		16.46	15.28	11.68								
33.0	1121	4.0			1.56	14.3	8.8	9.8		0.35	34.7		16.51	15.24	11.73								
33.0	1121	5.0			1.65	15.0	8.9	9.8		0.40	39.9		16.58	15.20	11.79								
33.0	1121	6.0			1.80	16.3	8.9	9.8		0.46	45.8		16.70	15.16	11.89								
33.0	1121	7.0			1.89	17.1	8.9	9.8		0.57	57.3		16.77	15.13	11.94								
33.0	1121	8.0			1.99	17.9	9.0	9.8		0.85	86.4		16.86	15.10	12.02								

LOCATION: South San Francisco Bay

DATE: March 11, 1993

JULIAN DAY: 93070

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	a+PHA													
33.0	1121	9.0			2.15	19.3			9.0	9.8		1.21	124.0		16.92	15.08	12.07
33.0	1121	10.0			2.14	19.2			9.0	9.8		1.85	192.0		16.92	15.08	12.07
32.0	1113	1.0	17.4	0.82	1.61	14.7	9.8		9.3	9.8	23.5	0.27	26.3	2.2	16.51	15.54	11.67
32.0	1113	2.0			1.61	14.7			9.2	9.8		0.28	27.1		16.58	15.36	11.76
32.0	1113	3.0			1.59	14.5			9.2	9.8		0.30	28.9		16.63	15.24	11.81
32.0	1113	4.0			1.57	14.3			9.1	9.8		0.32	31.5		16.66	15.23	11.84
32.0	1113	5.0			1.57	14.3			9.2	9.8		0.35	34.1		16.73	15.17	11.90
32.0	1113	6.0			1.59	14.6			9.2	9.8		0.40	39.8		16.79	15.14	11.95
32.0	1113	7.0			1.63	14.9			9.2	9.8		0.41	41.2		16.82	15.12	11.98
32.0	1113	8.0			1.70	15.5			9.2	9.8		0.44	44.0		16.88	15.10	12.03
32.0	1113	9.0			1.77	16.0			9.3	9.8		0.48	47.6		16.97	15.05	12.11
32.0	1113	10.0			1.88	17.0			9.3	9.8		0.57	58.0		17.02	15.05	12.15
32.0	1113	11.0			2.06	18.6			9.2	9.8		0.73	74.6		17.03	15.05	12.15
32.0	1113	12.0			2.24	20.1			9.3	9.8		1.32	136.3		17.05	15.03	12.18
32.0	1113	13.0	15.8	0.34	2.24	20.1			9.3	9.8		2.08	215.8		17.08	15.00	12.20
31.0	1056	1.0			1.66	15.1			9.2	9.8	23.2	0.19	18.0	2.1	16.68	15.75	11.76
31.0	1056	2.0			1.69	15.4			9.1	9.8		0.23	21.4		16.75	15.31	11.89
31.0	1056	3.0			1.65	15.1			9.0	9.8		0.26	25.5		16.76	15.20	11.93
31.0	1056	4.0			1.62	14.8			9.0	9.8		0.29	27.7		16.83	15.16	11.98
31.0	1056	5.0			1.59	14.5			9.0	9.8		0.32	31.3		16.89	15.14	12.03
31.0	1056	6.0			1.58	14.4			9.1	9.8		0.36	35.4		16.96	15.12	12.09
31.0	1056	7.0			1.59	14.5			9.1	9.8		0.38	37.0		17.02	15.10	12.14
31.0	1056	8.0			1.63	14.9			9.1	9.8		0.39	39.0		17.03	15.08	12.15
31.0	1056	9.0			1.64	14.9			9.1	9.8		0.43	43.2		17.07	15.04	12.19
31.0	1056	10.0			1.60	14.6			9.1	9.8		0.48	47.7		17.11	15.01	12.22
31.0	1056	11.0			1.60	14.6			9.1	9.8		0.52	52.6		17.15	14.98	12.26
31.0	1056	12.0			1.68	15.3			9.1	9.8		0.60	60.9		17.25	14.93	12.35
31.0	1056	13.0			1.75	15.9			9.1	9.8		0.83	84.4		17.31	14.90	12.40
31.0	1056	14.0			1.74	15.8			9.1	9.8		2.15	222.8		17.32	14.90	12.41

LOCATION: South San Francisco Bay

DATE: March 11, 1993

JULIAN DAY: 93070

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
30.0	1038	1.0	17.6	0.75	1.81	16.4	9.9	9.8	9.9	9.9	26.1	0.26	25.3	1.8	17.23	15.16	12.29	
30.0	1038	2.0			1.79	16.2		9.7	9.9			0.26	25.2		17.31	15.05	12.37	
30.0	1038	3.0			1.72	15.6		9.6	9.9			0.29	28.2		17.39	14.93	12.46	
30.0	1038	4.0			1.65	15.0		9.6	9.9			0.32	31.3		17.53	14.81	12.59	
30.0	1038	5.0			1.63	14.9		9.6	9.9			0.41	40.7		17.60	14.76	12.65	
30.0	1038	6.0			1.64	15.0		9.6	9.9			0.57	57.9		17.60	14.75	12.65	
30.0	1038	7.0			1.65	15.0		9.6	9.9			0.75	76.4		17.65	14.73	12.69	
30.0	1038	8.0			1.69	15.4		9.6	9.9			0.86	87.4		17.67	14.71	12.72	
30.0	1038	9.0			1.77	16.1		9.5	9.9			0.98	100.7		17.69	14.70	12.73	
30.0	1038	10.0			1.88	17.0		9.5	9.9			1.18	121.1		17.78	14.65	12.81	
30.0	1038	11.0			2.00	18.1		9.5	9.9			1.44	148.5		17.81	14.64	12.83	
30.0	1038	12.0			2.14	19.3		9.5	9.9			2.48	257.6		17.82	14.64	12.84	
30.0	1038	13.0	22.4	0.42	2.16	19.4		9.5	9.9			3.19	332.8		17.83	14.64	12.85	
29.5	1023	1.0			1.73	15.7		9.5	9.8		18.1	0.31	29.6	2.3	17.56	14.97	12.58	
29.5	1023	2.0			1.72	15.7		9.4	9.8			0.35	34.4		17.58	14.83	12.62	
29.5	1023	3.0			1.64	14.9		9.4	9.8			0.40	39.9		17.60	14.78	12.65	
29.5	1023	4.0			1.59	14.5		9.4	9.8			0.49	48.9		17.64	14.75	12.68	
29.5	1023	5.0			1.64	14.9		9.4	9.8			0.57	57.2		17.68	14.71	12.72	
29.5	1023	6.0			1.64	14.9		9.3	9.8			0.68	68.6		17.73	14.67	12.77	
29.5	1023	7.0			1.60	14.6		9.3	9.8			0.75	76.7		17.87	14.57	12.89	
29.5	1023	8.0			1.63	14.9		9.4	9.8			0.91	93.4		17.94	14.50	12.95	
29.5	1023	9.0			1.66	15.1		9.4	9.8			1.19	122.4		17.97	14.49	12.98	
29.5	1023	10.0			1.63	14.9		9.4	9.8			1.88	194.9		18.04	14.45	13.04	
29.5	1023	11.0			1.59	14.5		9.4	9.8			2.06	213.7		18.12	14.39	13.12	
29.5	1023	12.0			1.62	14.7		9.4	9.8			1.96	203.1		18.14	14.38	13.13	
29.5	1023	13.0			1.71	15.6		9.4	9.8			2.06	213.7		18.14	14.38	13.13	
29.5	1023	14.0			1.72	15.6		9.4	9.8			2.95	307.1		18.13	14.39	13.12	

LOCATION: South San Francisco Bay

DATE: March 11, 1993

JULIAN DAY: 93070

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.0	1005	1.0			1.62	14.8		9.4	9.8	43.1	0.45	45.3	2.9	17.78	14.65	12.81
29.0	1005	2.0			1.60	14.6		9.4	9.8		0.51	51.4		17.84	14.60	12.86
29.0	1005	3.0			1.56	14.2		9.4	9.8		0.61	61.5		17.90	14.56	12.91
29.0	1005	4.0			1.56	14.2		9.4	9.8		0.69	70.6		17.94	14.53	12.95
29.0	1005	5.0			1.61	14.6		9.4	9.8		0.80	81.0		18.01	14.48	13.02
29.0	1005	6.0			1.59	14.5		9.4	9.8		0.98	100.0		18.12	14.40	13.11
29.0	1005	7.0			1.59	14.5		9.5	9.8		0.99	101.1		18.14	14.38	13.13
29.0	1005	8.0			1.58	14.5		9.5	9.8		1.08	111.4		18.15	14.37	13.14
29.0	1005	9.0			1.59	14.5		9.5	9.8		1.14	116.9		18.17	14.36	13.16
29.0	1005	10.0			1.63	14.9		9.5	9.9		1.32	135.9		18.18	14.35	13.17
29.0	1005	11.0			1.65	15.0		9.5	9.9		1.38	142.7		18.18	14.35	13.17
29.0	1005	12.0			1.66	15.1		9.5	9.8		1.48	152.7		18.18	14.35	13.17
29.0	1005	13.0			1.69	15.3		9.5	9.9		1.50	154.9		18.20	14.34	13.19
29.0	1005	14.0			1.68	15.3		9.5	9.9		1.57	162.6		18.20	14.33	13.19
28.0	0950	1.0			1.68	15.3		9.6	9.9	26.1	0.32	31.5	2.4	18.02	14.50	13.02
28.0	0950	2.0			1.65	15.0		9.5	9.9		0.37	36.2		18.11	14.41	13.10
28.0	0950	3.0			1.58	14.4		9.5	9.9		0.42	41.4		18.16	14.37	13.15
28.0	0950	4.0			1.56	14.2		9.5	9.9		0.48	47.9		18.19	14.35	13.18
28.0	0950	5.0			1.57	14.3		9.5	9.9		0.54	54.7		18.20	14.33	13.19
28.0	0950	6.0			1.56	14.3		9.5	9.9		0.63	63.6		18.22	14.32	13.20
28.0	0950	7.0			1.59	14.5		9.5	9.9		0.71	71.7		18.25	14.29	13.23
28.0	0950	8.0			1.60	14.6		9.5	9.9		0.78	79.8		18.29	14.28	13.27
28.0	0950	9.0			1.59	14.5		9.6	9.9		0.83	85.1		18.31	14.27	13.28
28.0	0950	10.0			1.59	14.5		9.6	9.9		0.90	91.7		18.32	14.27	13.29
28.0	0950	11.0			1.62	14.8		9.6	9.9		0.94	95.7		18.34	14.27	13.31
28.0	0950	12.0			1.65	15.0		9.6	9.9		0.94	96.6		18.42	14.23	13.38
28.0	0950	13.0			1.66	15.1		9.5	9.8		0.95	97.7		18.43	14.22	13.38
28.0	0950	14.0			1.70	15.5		9.6	9.9		0.95	97.2		18.45	14.20	13.41
28.0	0950	15.0			1.70	15.5		9.6	9.9		0.94	96.2		18.47	14.20	13.42

LOCATION: South San Francisco Bay
 DATE: March 11, 1993
 JULIAN DAY: 93070
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	CHL a	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a				CHL a	OXYG		OXYG	OXYG	SPM		SPM				
27.0	0933	1.0	15.2	0.70	1.65	15.0	9.9	9.7	9.9	9.7	9.9	37.7	0.40	39.4	2.5	18.32	14.31	13.28
27.0	0933	2.0			1.65	15.0		9.7	9.9	9.7	9.9		0.43	42.5		18.32	14.28	13.29
27.0	0933	3.0			1.59	14.5		9.7	9.9	9.7	9.9		0.44	44.0		18.33	14.28	13.30
27.0	0933	4.0			1.55	14.2		9.7	9.9	9.7	9.9		0.49	48.6		18.37	14.24	13.34
27.0	0933	5.0			1.59	14.5		9.7	9.9	9.7	9.9		0.54	54.7		18.40	14.22	13.36
27.0	0933	6.0			1.63	14.8		9.7	9.9	9.7	9.9		0.62	62.3		18.41	14.22	13.37
27.0	0933	7.0			1.65	15.0		9.7	9.9	9.7	9.9		0.76	77.9		18.41	14.21	13.37
27.0	0933	8.0			1.65	15.0		9.7	9.9	9.7	9.9		0.83	85.1		18.41	14.21	13.37
27.0	0933	9.0			1.69	15.3		9.7	9.9	9.7	9.9		0.91	93.5		18.42	14.20	13.38
27.0	0933	10.0			1.70	15.5		9.7	9.9	9.7	9.9		0.98	100.3		18.42	14.20	13.38
27.0	0933	11.0			1.69	15.4		9.7	9.9	9.7	9.9		1.11	113.9		18.42	14.19	13.38
27.0	0933	12.0	15.5	0.52	1.70	15.5		9.7	9.9	9.7	9.9		1.25	128.7		18.43	14.19	13.39
26.0	0919	1.0			1.74	15.8		9.7	9.9	9.7	9.9	40.2	0.38	37.0	2.5	18.61	14.16	13.53
26.0	0919	2.0			1.73	15.7		9.6	9.9	9.6	9.9		0.41	41.1		18.62	14.14	13.55
26.0	0919	3.0			1.69	15.4		9.7	9.9	9.7	9.9		0.50	49.6		18.63	14.13	13.55
26.0	0919	4.0			1.72	15.7		9.7	9.9	9.7	9.9		0.61	61.3		18.63	14.13	13.56
26.0	0919	5.0			1.77	16.0		9.6	9.9	9.6	9.9		0.68	69.2		18.64	14.12	13.56
26.0	0919	6.0			1.80	16.3		9.6	9.9	9.6	9.9		0.73	74.3		18.64	14.12	13.56
26.0	0919	7.0			1.81	16.4		9.7	9.9	9.7	9.9		0.79	80.7		18.64	14.12	13.57
26.0	0919	8.0			1.80	16.3		9.6	9.9	9.6	9.9		0.86	87.3		18.65	14.12	13.57
26.0	0919	9.0			1.81	16.4		9.6	9.9	9.6	9.9		0.91	93.2		18.65	14.11	13.57
26.0	0919	10.0			1.79	16.2		9.6	9.9	9.6	9.9		0.97	99.0		18.65	14.11	13.58
25.0	0900	1.0			1.49	13.7	9.8	9.6	9.9	9.6	9.9	48.0	0.49	49.1	2.8	19.25	13.99	14.06
25.0	0900	2.0			1.48	13.5		9.6	9.9	9.6	9.9		0.54	54.6		19.27	13.98	14.07
25.0	0900	3.0			1.49	13.6		9.6	9.9	9.6	9.9		0.62	62.7		19.28	13.97	14.08
25.0	0900	4.0			1.51	13.9		9.6	9.9	9.6	9.9		0.69	69.6		19.29	13.97	14.09
25.0	0900	5.0			1.51	13.8		9.6	9.9	9.6	9.9		0.71	72.1		19.31	13.97	14.10
25.0	0900	6.0			1.53	14.0		9.6	9.9	9.6	9.9		0.73	74.4		19.31	13.97	14.11
25.0	0900	7.0			1.55	14.1		9.6	9.9	9.6	9.9		0.76	77.8		19.32	13.97	14.11

LOCATION: South San Francisco Bay
 DATE: March 11, 1993
 JULIAN DAY: 93070
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
25.0	0900	8.0	8.0	0.73	1.53	14.0	9.6	9.9	9.9	18.8	0.76	77.3	19.33	13.97	14.12	
24.0	0842	1.0	8.0	0.73	0.91	8.6	9.1	9.8	9.8	18.8	0.23	21.7	1.9	20.47	13.91	15.01
24.0	0842	2.0	8.0	0.73	0.90	8.6	9.1	9.8	9.8	18.8	0.23	22.3	20.49	13.89	15.02	
24.0	0842	3.0	8.0	0.73	0.87	8.3	9.1	9.8	9.8	18.8	0.27	26.0	20.49	13.89	15.03	
24.0	0842	4.0	8.0	0.73	0.84	8.0	9.1	9.8	9.8	18.8	0.30	29.0	20.49	13.89	15.03	
24.0	0842	5.0	8.0	0.73	0.87	8.4	9.1	9.8	9.8	18.8	0.32	31.3	20.50	13.88	15.04	
24.0	0842	6.0	8.0	0.73	0.90	8.6	9.1	9.8	9.8	18.8	0.34	33.2	20.52	13.88	15.06	
24.0	0842	7.0	8.0	0.73	0.89	8.5	9.1	9.8	9.8	18.8	0.38	37.2	20.54	13.87	15.07	
24.0	0842	8.0	8.0	0.73	0.89	8.5	9.1	9.8	9.8	18.8	0.39	38.9	20.55	13.87	15.08	
24.0	0842	9.0	8.0	0.73	0.88	8.4	9.0	9.8	9.8	18.8	0.40	39.3	20.55	13.87	15.07	
24.0	0842	10.0	8.0	0.73	0.88	8.4	9.1	9.8	9.8	18.8	0.41	40.2	20.55	13.87	15.08	

OP
OI

n	r^2	Slope	Inter.	Std. Err.
9	0.698	8.598	0.844	2.390
14	0.929	104.883	-2.341	11.007
4	0.334	0.141	8.505	0.055

Fluorometer Calibration:
 OBS Calibration:
 Dissolved Oxygen Calibration:

LOCATION: South San Francisco Bay

DATE: March 18, 1993

JULIAN DAY: 93077

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
36.0	1045	1.0	27.7	0.81	2.33	22.4	9.3	9.0	9.6	25.9	0.20	17.9	2.2	17.12	15.99	12.05
36.0	1045	2.0			2.34	22.5		8.8	9.4		0.24	19.5		17.29	15.85	12.20
36.0	1045	3.0			2.16	20.6		8.8	9.3		0.27	20.3		17.56	15.80	12.42
36.0	1045	4.0			2.11	20.2		8.8	9.4		0.28	21.1		17.81	15.77	12.62
36.0	1045	5.0			2.18	20.8		8.8	9.3		0.31	22.2		17.93	15.74	12.72
36.0	1045	6.0			2.16	20.7		8.8	9.3		0.33	22.7		18.12	15.71	12.86
36.0	1045	7.0			2.21	21.2		8.8	9.3		0.36	24.0		18.16	15.70	12.90
36.0	1045	8.0			2.30	22.1		8.8	9.4		0.37	24.2		18.18	15.70	12.92
36.0	1045	10.0	16.4	0.45	2.27	21.8		7.8	7.9		0.36	24.1		18.21	15.69	12.94
35.0	1130	1.0			2.39	23.0		9.2	9.9	21.1	0.23	18.9	2.2	17.41	15.94	12.28
35.0	1130	2.0			2.41	23.3		9.0	9.7		0.24	19.3		17.79	15.82	12.59
35.0	1130	3.0			2.27	21.8		8.9	9.6		0.23	19.1		18.01	15.77	12.77
35.0	1130	4.0			2.16	20.7		8.9	9.6		0.26	20.0		18.08	15.74	12.83
35.0	1130	5.0			2.23	21.4		8.9	9.6		0.27	20.4		18.13	15.72	12.87
35.0	1130	6.0			2.35	22.6		8.8	9.4		0.27	20.6		18.21	15.70	12.94
35.0	1130	7.0			2.24	21.5		8.8	9.4		0.28	20.8		18.45	15.64	13.13
35.0	1130	8.0			2.17	20.8		8.8	9.4		0.29	21.3		18.68	15.59	13.32
34.0	1150	1.0			2.56	24.8		10.1	11.4	23.8	0.24	19.2	2.1	17.65	16.37	12.38
34.0	1150	2.0			2.62	25.4		10.1	11.4		0.23	19.0		17.75	16.35	12.45
34.0	1150	3.0			2.50	24.2		10.1	11.4		0.23	19.0		17.80	16.32	12.50
34.0	1150	4.0			2.43	23.5		9.7	10.8		0.23	18.8		17.84	16.33	12.53
34.0	1150	5.0			2.40	23.2		9.5	10.5		0.23	18.9		18.09	16.04	12.78
34.0	1150	6.0			2.44	23.5		9.4	10.3		0.26	19.9		18.16	15.93	12.85
34.0	1150	7.0			2.61	25.4		9.2	10.0		0.37	24.2		18.19	15.85	12.90
34.0	1150	8.0			2.62	25.4		8.9	9.6		0.47	28.1		18.27	15.77	12.97
33.0	1205	1.0			2.30	22.2		9.7	10.8	22.4	0.23	19.0	2.2	17.59	16.21	12.36
33.0	1205	2.0			2.33	22.4		9.7	10.7		0.25	19.6		17.60	16.22	12.37
33.0	1205	3.0			2.36	22.7		9.7	10.7		0.25	19.5		17.60	16.22	12.37

LOCATION: South San Francisco Bay
 DATE: March 18, 1993
 JULIAN DAY: 93077
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ e+PHA	FLUOR	CHL a	DISCR	OXYG	OXYG	DISCR	OXYG	CALC	OBS	SPM	CALC	EXCOF	SALIN	TEMP	SIGT
33.0	1205	4.0			2.50	24.1			9.7	10.7			19.5	0.25				17.61	16.19	12.39
33.0	1205	5.0			2.55	24.7			9.5	10.5			19.4	0.24				17.65	16.13	12.43
33.0	1205	6.0			2.62	25.4			9.5	10.4			19.4	0.24				18.08	15.98	12.78
33.0	1205	7.0			2.58	25.0			9.5	10.4			19.8	0.25				18.20	15.91	12.89
33.0	1205	8.0			2.54	24.6			9.4	10.3			21.6	0.30				18.26	15.87	12.94
33.0	1205	9.0			2.58	25.0			9.3	10.2			23.4	0.34				18.36	15.82	13.03
33.0	1205	10.0			2.50	24.2			9.2	10.0			25.5	0.40				18.47	15.76	13.12
33.0	1205	11.0			2.38	22.9			9.1	9.8			28.0	0.46				18.66	15.66	13.29
33.0	1205	12.0			2.30	22.1			9.1	9.8			31.9	0.56				18.80	15.59	13.41
33.0	1205	13.0			2.31	22.2			9.1	9.8			36.3	0.68				18.81	15.59	13.42
32.0	1220	1.0			2.47	23.9		11.1	10.0	11.1			17.1	0.18			2.0	17.71	16.36	12.43
32.0	1220	2.0			2.48	24.0			9.8	10.8			19.1	0.23				17.78	16.22	12.50
32.0	1220	3.0			2.43	23.5			9.6	10.5			18.9	0.23				18.11	16.00	12.80
32.0	1220	4.0			2.28	21.9			9.4	10.2			18.4	0.22				18.36	15.80	13.03
32.0	1220	5.0			2.12	20.3			9.2	10.0			18.5	0.22				18.63	15.65	13.27
32.0	1220	6.0			1.97	18.7			9.1	9.8			19.7	0.25				18.86	15.56	13.47
32.0	1220	7.0			1.92	18.2			9.1	9.8			22.5	0.32				19.04	15.51	13.61
32.0	1220	8.0			1.95	18.5			9.0	9.7			24.7	0.38				19.25	15.47	13.78
32.0	1220	9.0			1.90	18.0			9.0	9.7			29.2	0.50				19.31	15.46	13.82
32.0	1220	10.0			1.87	17.6			9.0	9.7			33.6	0.61				19.35	15.45	13.86
32.0	1220	11.0			1.87	17.7			9.0	9.6			37.2	0.70				19.36	15.44	13.87
32.0	1220	12.0			1.88	17.8			9.0	9.6			39.7	0.76				19.41	15.43	13.91
32.0	1220	13.0			1.98	18.8			8.9	9.6			41.5	0.81				19.44	15.43	13.93
32.0	1220	14.0			2.18	20.9			8.9	9.6			45.2	0.91				19.44	15.42	13.94
32.0	1220	16.0		0.55	2.19	20.9			8.9	9.6			56.8	1.20				19.39	15.44	13.89
31.0	1228	1.0			2.02	19.2			9.1	9.9			17.5	0.19			1.9	18.85	15.85	13.40
31.0	1228	2.0			2.04	19.5			9.0	9.6			17.4	0.19				19.26	15.56	13.77
31.0	1228	3.0			1.92	18.2			8.9	9.5			17.7	0.20				19.62	15.42	14.07
31.0	1228	4.0			1.64	15.3			8.9	9.5			18.0	0.21				19.77	15.38	14.20

LOCATION: South San Francisco Bay
 DATE: March 18, 1993
 JULIAN DAY: 93077
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CHL a	DISCR	OXYG	DISCR	OXYG	CALC	CHL a	DISCR	OXYG	CALC	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALTM	TEMP	SIGT
31.0	1228	5.0				1.55	14.4		8.9		9.5	18.5		0.22		9.5		18.5	0.22	19.83	18.5		19.83	15.37	14.24
31.0	1228	6.0				1.60	14.9		8.9		9.5	18.5		0.22		9.5		18.5	0.22	19.89	18.5		19.89	15.36	14.29
31.0	1228	7.0				1.66	15.5		8.9		9.5	18.9		0.23		9.5		18.9	0.23	19.95	18.9		19.95	15.36	14.34
31.0	1228	8.0				1.73	16.3		8.9		9.5	19.2		0.24		9.5		19.2	0.24	20.02	19.2		20.02	15.35	14.40
31.0	1228	9.0				1.72	16.2		8.9		9.5	19.7		0.25		9.5		19.7	0.25	20.06	19.7		20.06	15.34	14.42
31.0	1228	10.0				1.69	15.9		8.9		9.5	20.3		0.26		9.5		20.3	0.26	20.10	20.3		20.10	15.33	14.45
31.0	1228	11.0				1.69	15.9		8.9		9.5	21.5		0.30		9.5		21.5	0.30	20.12	21.5		20.12	15.32	14.47
31.0	1228	12.0				1.73	16.3		8.8		9.4	23.0		0.34		9.4		23.0	0.34	20.14	23.0		20.14	15.32	14.49
31.0	1228	13.0				1.75	16.4		8.8		9.4	24.5		0.37		9.4		24.5	0.37	20.14	24.5		20.14	15.32	14.49
31.0	1228	14.0				1.78	16.8		8.8		9.4	28.4		0.47		9.4		28.4	0.47	20.14	28.4		20.14	15.32	14.49
31.0	1228	15.0				1.82	17.1		8.8		9.4	35.0		0.64		9.4		35.0	0.64	20.13	35.0		20.13	15.32	14.48
30.0	1245	1.0	21.4	0.63		2.73	26.5	12.8	10.4		11.8	14.8		0.13		11.8		14.8	0.13	18.66	14.8	1.8	18.66	16.17	13.19
30.0	1245	2.0				2.70	26.2		10.2		11.5	15.0		0.13		11.5		15.0	0.13	18.78	15.0		18.78	15.79	13.36
30.0	1245	3.0				2.87	27.9		10.2		11.5	15.4		0.14		11.5		15.4	0.14	18.85	15.4		18.85	15.74	13.42
30.0	1245	4.0				2.88	28.1		10.2		11.4	15.7		0.15		11.4		15.7	0.15	18.92	15.7		18.92	15.76	13.47
30.0	1245	5.0				2.67	25.9		9.9		11.0	16.0		0.16		11.0		16.0	0.16	18.96	16.0		18.96	15.77	13.50
30.0	1245	6.0				2.44	23.6		9.5		10.4	15.9		0.15		10.4		15.9	0.15	19.40	15.9		19.40	15.77	13.83
30.0	1245	7.0				2.19	21.0		9.5		10.4	16.5		0.17		10.4		16.5	0.17	19.88	16.5		19.88	15.50	14.25
30.0	1245	8.0				2.08	19.9		9.6		10.5	18.6		0.22		10.5		18.6	0.22	20.10	18.6		20.10	15.38	14.45
30.0	1245	9.0				2.11	20.1		9.6		10.5	20.9		0.28		10.5		20.9	0.28	20.16	20.9		20.16	15.37	14.49
30.0	1245	10.0				2.05	19.6		9.6		10.5	23.0		0.34		10.5		23.0	0.34	20.18	23.0		20.18	15.34	14.52
30.0	1245	11.0				1.96	18.7		9.5		10.5	26.2		0.42		10.5		26.2	0.42	20.19	26.2		20.19	15.35	14.52
30.0	1245	12.0				1.92	18.2		9.5		10.4	28.1		0.47		10.4		28.1	0.47	20.20	28.1		20.20	15.35	14.53
30.0	1245	13.0				1.91	18.1		9.5		10.4	30.5		0.53		10.4		30.5	0.53	20.21	30.5		20.21	15.35	14.54
30.0	1245	14.0				2.03	19.3		9.5		10.4	32.0		0.57		10.4		32.0	0.57	20.22	32.0		20.22	15.34	14.55
30.0	1245	15.0	20.2	0.63		2.07	19.7		9.5		10.5	35.5		0.66		10.5		35.5	0.66	20.21	35.5		20.21	15.35	14.53
29.5	1259	1.0				2.96	28.9		11.8		13.9	16.1		0.16		13.9		16.1	0.16	18.91	16.1	1.6	18.91	16.46	13.32
29.5	1259	2.0				3.00	29.3		11.3		13.0	16.4		0.16		13.0		16.4	0.16	19.18	16.4		19.18	16.05	13.61
29.5	1259	3.0				2.85	27.8		10.7		12.2	15.7		0.15		12.2		15.7	0.15	19.48	15.7		19.48	15.70	13.91

LOCATION: South San Francisco Bay

DATE: March 18, 1993

JULIAN DAY: 93077

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPH	OBS SPH	CALC SPH	EXCOF	SALIN	TEMP	SIGT
29.5	1259	4.0			2.61	25.3		10.4	11.8		0.13	15.1		19.63	15.61	14.04
29.5	1259	5.0			2.34	22.5		10.2	11.4		0.12	14.6		19.73	15.54	14.14
29.5	1259	6.0			2.09	20.0		10.0	11.2		0.13	14.8		20.03	15.41	14.39
29.5	1259	7.0			2.00	19.1		9.9	11.1		0.16	16.1		20.20	15.36	14.53
29.5	1259	8.0			1.95	18.5		9.9	11.0		0.19	17.2		20.25	15.34	14.57
29.5	1259	9.0			1.92	18.2		9.8	10.9		0.22	18.4		20.31	15.33	14.62
29.5	1259	10.0			1.91	18.1		9.8	10.9		0.25	19.7		20.37	15.32	14.66
29.5	1259	11.0			1.88	17.7		9.8	10.8		0.28	21.0		20.40	15.31	14.69
29.5	1259	12.0			1.85	17.5		9.7	10.7		0.30	21.6		20.41	15.31	14.70
29.5	1259	13.0			1.82	17.1		9.7	10.7		0.31	21.9		20.42	15.30	14.71
29.5	1259	14.0			1.84	17.4		9.6	10.6		0.35	23.5		20.43	15.30	14.72
29.5	1259	15.0			1.87	17.7		9.6	10.6		0.37	24.5		20.44	15.30	14.72
29.0	1330	1.0			2.75	26.8		10.7	12.1	11.6	0.31	22.2	1.5	19.36	16.60	13.64
29.0	1330	2.0			2.93	28.6		10.1	11.3		-.03	9.0		19.39	16.51	13.68
29.0	1330	3.0			3.13	30.6		10.1	11.3		0.06	12.4		19.62	15.88	13.98
29.0	1330	4.0			3.07	30.0		10.0	11.2		0.06	12.2		19.73	15.66	14.10
29.0	1330	5.0			2.64	25.6		10.2	11.4		0.06	12.5		19.80	15.60	14.18
29.0	1330	6.0			2.32	22.3		10.0	11.2		0.07	12.6		19.98	15.45	14.34
29.0	1330	7.0			2.17	20.8		9.8	10.9		0.07	12.8		20.14	15.40	14.47
29.0	1330	8.0			2.12	20.3		9.8	10.9		0.08	13.1		20.25	15.36	14.56
29.0	1330	9.0			2.02	19.3		9.9	10.9		0.09	13.5		20.44	15.31	14.72
29.0	1330	10.0			1.91	18.1		9.8	10.9		0.12	14.8		20.50	15.29	14.77
29.0	1330	11.0			1.89	17.8		9.8	10.8		0.15	15.7		20.56	15.29	14.82
29.0	1330	12.0			1.82	17.2		9.7	10.8		0.18	17.1		20.64	15.26	14.88
29.0	1330	13.0			1.77	16.7		9.7	10.7		0.22	18.5		20.67	15.26	14.91
29.0	1330	14.0			1.81	17.1		9.6	10.6		0.25	19.5		20.68	15.25	14.92
29.0	1330	15.0			1.80	17.0		9.7	10.7		0.28	20.9		20.70	15.25	14.93

LOCATION: South San Francisco Bay
 DATE: March 18, 1993
 JULIAN DAY: 93077
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	DISCR CHL a	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
28.0	1345	1.0			2.23	21.4	10.3	11.5	12.6	0.10	13.9	1.5	20.02	15.83	14.30		
28.0	1345	2.0			2.22	21.3	10.3	11.5	0.10	13.7	20.01	15.86	14.28				
28.0	1345	3.0			2.20	21.1	10.0	11.2	0.09	13.7	20.01	15.86	14.29				
28.0	1345	4.0			2.19	21.0	9.8	10.8	0.09	13.7	20.11	15.68	14.39				
28.0	1345	5.0			2.08	19.9	9.5	10.5	0.10	13.7	20.28	15.47	14.57				
28.0	1345	6.0			1.97	18.8	9.3	10.2	0.11	14.1	20.46	15.38	14.72				
28.0	1345	7.0			1.91	18.1	9.3	10.1	0.12	14.4	20.82	15.23	15.03				
28.0	1345	8.0			1.85	17.5	9.2	10.0	0.15	15.7	20.85	15.22	15.05				
28.0	1345	9.0			1.76	16.6	9.2	9.9	0.19	17.6	20.95	15.18	15.14				
28.0	1345	10.0			1.66	15.6	9.2	9.9	0.23	18.8	20.98	15.17	15.16				
28.0	1345	11.0			1.63	15.2	9.1	9.8	0.27	20.6	20.98	15.17	15.16				
28.0	1345	12.0			1.68	15.8	9.1	9.8	0.30	21.5	20.99	15.17	15.17				
28.0	1345	13.0			1.69	15.8	9.1	9.8	0.31	22.2	21.00	15.16	15.18				
28.0	1345	14.0			1.50	13.9	9.1	9.8	0.33	22.7	21.00	15.16	15.18				
28.0	1345	15.0			1.37	12.6	9.1	9.8	0.37	24.2	21.01	15.14	15.19				
28.0	1345	17.0			1.42	13.1	9.1	9.8	3.35	140.1	21.00	15.16	15.18				
27.0	1405	1.0	32.0	0.82	2.77	26.9	11.2	13.0	12.6	0.08	13.0	1.7	19.73	16.08	14.03		
27.0	1405	2.0			2.88	28.1	10.9	12.5	0.08	12.9	19.83	15.92	14.14				
27.0	1405	3.0			2.68	26.0	10.5	11.9	0.08	12.9	20.00	15.67	14.31				
27.0	1405	4.0			2.20	21.1	10.0	11.1	0.08	13.1	20.19	15.55	14.48				
27.0	1405	5.0			1.89	17.9	9.7	10.7	0.10	13.7	20.87	15.26	15.06				
27.0	1405	6.0			1.79	16.9	9.6	10.5	0.12	14.4	21.06	15.19	15.22				
27.0	1405	7.0			1.69	15.8	9.5	10.5	0.14	15.4	21.20	15.15	15.33				
27.0	1405	8.0			1.58	14.7	9.5	10.4	0.16	16.0	21.27	15.13	15.39				
27.0	1405	9.0			1.56	14.5	9.5	10.4	0.18	16.9	21.33	15.12	15.44				
27.0	1405	10.0			1.55	14.4	9.4	10.3	0.20	17.8	21.36	15.11	15.47				
27.0	1405	11.0			1.63	15.2	9.4	10.3	0.23	19.1	21.39	15.10	15.49				
27.0	1405	12.0			1.72	16.1	9.5	10.4	0.26	20.0	21.39	15.10	15.49				
27.0	1405	13.0	16.4	0.76	1.68	15.7	9.5	10.4	0.26	20.2	21.38	15.12	15.48				

LOCATION: South San Francisco Bay

DATE: March 18, 1993

JULIAN DAY: 93077

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
26.0	1428	1.0			2.50	24.1	11.1	12.7	11.4	0.06	12.5	1.3	20.08	16.14	14.28
26.0	1428	2.0			2.44	23.6	10.1	11.3		0.06	12.4		20.43	15.77	14.62
26.0	1428	3.0			1.92	18.2	9.7	10.7		0.07	12.7		21.29	15.18	15.40
26.0	1428	4.0			1.64	15.3	9.6	10.5		0.10	13.7		21.49	15.09	15.57
26.0	1428	5.0			1.53	14.2	9.5	10.5		0.13	15.2		21.56	15.07	15.63
26.0	1428	6.0			1.48	13.6	9.5	10.4		0.17	16.4		21.59	15.06	15.65
26.0	1428	7.0			1.47	13.6	9.5	10.4		0.19	17.3		21.62	15.05	15.67
26.0	1428	8.0			1.51	14.0	9.4	10.3		0.22	18.6		21.64	15.05	15.69
26.0	1428	9.0			1.58	14.7	9.3	10.2		0.22	18.7		21.65	15.05	15.70
26.0	1428	10.0			1.58	14.7	9.3	10.1		0.23	18.9		21.65	15.04	15.70
26.0	1428	11.0			1.56	14.5	9.3	10.1		0.23	19.0		21.64	15.05	15.69
25.0	1445	1.0			1.72	16.1	9.9	11.0	12.2	0.08	13.2	1.3	21.49	15.29	15.52
25.0	1445	2.0			1.71	16.0	9.6	10.5		0.09	13.7		21.44	15.31	15.49
25.0	1445	3.0			1.56	14.5	9.4	10.3		0.09	13.7		21.83	15.06	15.84
25.0	1445	4.0			1.44	13.3	9.3	10.1		0.10	14.1		21.98	14.97	15.97
25.0	1445	5.0			1.40	12.9	9.3	10.1		0.11	14.2		22.01	14.95	15.99
25.0	1445	6.0			1.34	12.3	9.2	10.0		0.11	14.2		22.03	14.94	16.01
25.0	1445	7.0			1.16	10.4	9.2	10.0		0.11	14.2		22.04	14.94	16.02
25.0	1445	8.0			1.13	10.0	9.3	10.1		0.14	15.2		22.05	14.93	16.03
24.0	1505	1.0	14.2	0.68	1.74	16.3	9.6	10.6	9.7	0.05	12.1	1.3	22.05	15.32	15.95
24.0	1505	2.0			1.81	17.1	9.5	10.4		0.05	12.0		22.07	15.23	15.98
24.0	1505	3.0			1.64	15.4	9.4	10.2		0.05	12.1		22.11	15.13	16.03
24.0	1505	4.0			1.51	14.0	9.2	10.0		0.06	12.2		22.19	15.03	16.11
24.0	1505	5.0			1.48	13.7	9.1	9.9		0.05	12.1		22.29	14.95	16.21
24.0	1505	6.0			1.44	13.2	9.0	9.7		0.05	12.1		22.37	14.91	16.28
24.0	1505	7.0			1.34	12.2	9.0	9.7		0.06	12.2		22.41	14.89	16.32
24.0	1505	8.0			1.25	11.3	9.0	9.6		0.06	12.3		22.43	14.88	16.33
24.0	1505	9.0			1.23	11.1	8.9	9.6		0.07	12.5		22.47	14.86	16.36
24.0	1505	10.0	12.2	0.72	1.23	11.1	8.9	9.6		0.07	12.7		22.48	14.86	16.37

LOCATION: South San Francisco Bay
 DATE: March 18, 1993
 JULIAN DAY: 93077
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ &+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
23.0	1542	1.0			1.55	14.4		9.8	10.8	8.5	0.18	17.0	1.1	22.37	15.32	16.19
23.0	1542	2.0			1.62	15.1		9.7	10.8		0.05	11.8		22.36	15.31	16.19
23.0	1542	3.0			1.66	15.5		9.7	10.7		0.05	11.8		22.36	15.27	16.20
23.0	1542	4.0			1.68	15.7		9.6	10.6		0.04	11.4		22.35	15.26	16.20
23.0	1542	5.0			1.62	15.1		9.5	10.4		0.04	11.5		22.37	15.20	16.22
23.0	1542	6.0			1.55	14.4		9.4	10.2		0.04	11.5		22.40	15.09	16.27
23.0	1542	7.0			1.51	14.0		9.3	10.2		0.04	11.5		22.41	15.05	16.28
23.0	1542	8.0			1.39	12.7		9.2	10.0		0.05	11.7		22.41	15.06	16.28
23.0	1542	9.0			1.33	12.1		9.2	9.9		0.05	11.8		22.47	14.96	16.34
23.0	1542	10.0			1.31	11.9		9.1	9.8		0.05	11.9		22.49	14.92	16.36
23.0	1542	11.0			1.25	11.4		9.0	9.7		0.05	12.1		22.50	14.87	16.39
23.0	1542	12.0			1.21	10.9		8.9	9.5		0.05	12.0		22.57	14.81	16.45
23.0	1542	13.0			1.15	10.3		8.8	9.3		0.06	12.3		22.69	14.77	16.55
23.0	1542	14.0			1.06	9.3		8.8	9.3		0.07	12.6		22.86	14.72	16.69
23.0	1542	15.0			1.05	9.2		8.8	9.3		0.08	12.9		22.97	14.70	16.78

9
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n	r ²	Slope	Inter.	Std. Err.
9	0.647	10.286	-1.543	4.061
15	0.275	38.871	9.980	5.001
5	0.797	1.490	-3.732	0.733

Fluorometer Calibration:
 OBS Calibration:
 Dissolved Oxygen Calibration:

LOCATION: South San Francisco Bay

DATE: March 25, 1993

JULIAN DAY: 93084

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLOOR	CALC	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
36.0	1421	1.0	76.9	0.69	6.60	70.6	11.8	10.7	11.4	47.1	0.59	48.5	4.5	16.85	16.46	11.75					
36.0	1421	2.0			6.51	69.7		10.5	11.2		0.57	47.4		17.23	16.29	12.07					
36.0	1421	3.0			6.58	70.4		10.4	11.1		0.55	46.2		17.44	16.18	12.26					
36.0	1421	4.0			6.64	71.0		10.3	11.0		0.57	47.3		17.51	16.15	12.31					
36.0	1421	5.0			6.72	71.9		10.3	11.0		0.62	50.7		17.57	16.15	12.36					
36.0	1421	6.0			6.76	72.4		10.3	11.0		0.68	55.1		17.63	16.15	12.40					
36.0	1421	7.0			6.79	72.6		10.3	11.0		0.70	57.0		17.64	16.15	12.42					
36.0	1421	8.0			6.78	72.6		10.3	11.0		0.74	59.1		17.71	16.14	12.47					
36.0	1421	9.0	68.4	0.57	6.75	72.3		10.3	11.0		0.78	62.3		17.88	16.13	12.60					
35.0	1410	1.0			6.58	70.4		11.1	11.8	36.8	0.47	40.1	3.7	17.77	16.24	12.50					
35.0	1410	2.0			6.54	70.0		11.2	11.9		0.46	39.3		17.80	16.24	12.52					
35.0	1410	3.0			6.55	70.1		11.1	11.8		0.46	39.2		17.80	16.24	12.52					
35.0	1410	4.0			6.53	69.9		10.9	11.6		0.46	39.2		17.91	16.20	12.60					
35.0	1410	5.0			6.54	69.9		10.7	11.4		0.46	39.5		18.13	16.16	12.79					
35.0	1410	6.0			6.50	69.6		10.7	11.4		0.48	41.1		18.21	16.15	12.85					
35.0	1410	7.0			6.46	69.1		10.6	11.3		0.48	40.8		18.24	16.12	12.88					
35.0	1410	8.0			6.34	67.8		10.4	11.1		0.47	40.4		18.35	16.08	12.97					
35.0	1410	9.0			6.28	67.2		10.5	11.2		0.51	43.4		18.42	16.07	13.02					
34.0	1400	1.0			5.80	62.0		11.5	12.2	38.9	0.37	33.1	3.2	18.55	16.06	13.12					
34.0	1400	2.0			5.65	60.4		10.9	11.6		0.44	37.9		18.69	16.01	13.25					
34.0	1400	3.0			5.54	59.2		10.8	11.5		0.48	41.1		18.71	16.01	13.26					
34.0	1400	4.0			5.53	59.1		10.7	11.4		0.51	43.3		18.77	15.99	13.31					
34.0	1400	5.0			5.51	58.9		10.7	11.4		0.54	45.2		18.88	15.97	13.39					
34.0	1400	6.0			5.45	58.3		10.6	11.3		0.61	50.4		18.88	15.97	13.40					
34.0	1400	7.0			5.47	58.5		10.6	11.3		0.73	58.6		18.89	15.97	13.40					
34.0	1400	8.0			5.61	60.0		10.5	11.2		0.79	63.3		18.89	15.97	13.41					
34.0	1400	9.0			5.86	62.7		10.5	11.2		0.83	65.7		18.89	15.97	13.40					
34.0	1400	10.0			5.89	63.0		10.6	11.3		0.89	70.1		18.89	15.97	13.40					

LOCATION: South San Francisco Bay
 DATE: March 25, 1993
 JULIAN DAY: 93084
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ s+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	1345	1.0			6.54	70.0	12.8	13.4	28.1	0.23	23.4	2.6	18.67	16.24	13.19
33.0	1345	2.0			6.50	69.5	12.6	13.3		0.25	24.2		18.86	16.21	13.33
33.0	1345	3.0			6.34	67.9	12.7	13.4		0.25	24.4		18.95	16.30	13.39
33.0	1345	4.0			6.08	65.0	12.6	13.2		0.24	23.9		19.01	16.34	13.42
33.0	1345	5.0			5.72	61.1	11.6	12.3		0.23	22.8		19.18	16.22	13.57
33.0	1345	6.0			5.37	57.4	11.2	11.8		0.23	22.9		19.49	15.86	13.89
33.0	1345	7.0			5.14	54.9	11.0	11.7		0.25	24.6		19.64	15.85	14.00
33.0	1345	8.0			4.90	52.4	11.0	11.7		0.30	28.3		19.68	15.86	14.03
33.0	1345	9.0			4.75	50.7	10.9	11.6		0.37	32.7		19.69	15.86	14.04
33.0	1345	10.0			4.65	49.7	10.8	11.5		0.42	36.3		19.69	15.86	14.04
33.0	1345	11.0			4.66	49.7	10.7	11.4		0.48	41.2		19.71	15.87	14.05
33.0	1345	12.0			4.67	49.9	10.7	11.4		0.65	52.8		19.71	15.88	14.05
33.0	1345	13.0			4.68	50.0	10.6	11.3		0.73	59.0		19.71	15.87	14.05
33.0	1345	14.0			4.72	50.4	10.7	11.4		0.79	62.9		19.71	15.88	14.05
32.0	1337	1.0	54.4	0.72	5.16	55.2	14.0	14.6	14.2	0.12	15.3	1.8	18.69	17.51	12.94
32.0	1337	2.0			5.39	57.6	13.1	13.8		0.12	15.1		19.20	16.36	13.56
32.0	1337	3.0			5.08	54.3	12.1	12.7		0.13	15.7		19.61	15.95	13.96
32.0	1337	4.0			4.57	48.9	11.6	12.3		0.16	17.8		19.78	15.89	14.10
32.0	1337	5.0			4.51	48.1	11.5	12.2		0.21	21.4		19.80	15.88	14.12
32.0	1337	6.0			4.54	48.5	11.4	12.1		0.26	24.9		19.82	15.88	14.13
32.0	1337	7.0			4.56	48.7	11.4	12.0		0.36	32.3		19.83	15.88	14.14
32.0	1337	8.0			4.51	48.2	11.3	12.0		0.42	36.8		19.85	15.88	14.16
32.0	1337	9.0			4.42	47.2	11.2	11.9		0.47	40.1		19.93	15.87	14.22
32.0	1337	10.0			4.27	45.6	11.2	11.9		0.48	41.1		19.96	15.86	14.24
32.0	1337	11.0			4.24	45.3	11.1	11.8		0.49	41.6		20.01	15.85	14.29
32.0	1337	12.0			4.34	46.4	11.1	11.7		0.60	49.6		20.02	15.85	14.30
32.0	1337	13.0			4.39	46.9	11.0	11.7		0.72	58.1		20.02	15.85	14.29
32.0	1337	14.0			4.69	50.1	11.0	11.7		0.79	63.1		20.02	15.85	14.29
32.0	1337	15.0	50.7	0.66	4.79	51.2	11.0	11.7		0.99	77.1		20.02	15.86	14.29

LOCATION: South San Francisco Bay
 DATE: March 25, 1993
 JULIAN DAY: 93084
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ pH/a	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	1325	1.0			4.75	50.8		11.4	12.1	28.5	0.33	30.4	2.6	19.67	16.20	13.95
31.0	1325	2.0			4.75	50.8		11.3	12.0		0.31	29.1		19.66	16.23	13.94
31.0	1325	3.0			4.80	51.2		11.2	11.9		0.32	29.4		19.69	16.19	13.97
31.0	1325	4.0			4.79	51.2		11.1	11.8		0.32	29.6		19.75	16.08	14.04
31.0	1325	5.0			4.73	50.6		11.0	11.7		0.33	29.9		19.77	16.05	14.06
31.0	1325	6.0			4.67	49.9		10.7	11.4		0.34	31.0		19.78	16.03	14.07
31.0	1325	7.0			4.49	47.9		10.5	11.2		0.34	31.1		20.07	15.83	14.33
31.0	1325	8.0			4.33	46.2		10.4	11.1		0.32	29.6		20.21	15.77	14.45
31.0	1325	9.0			4.27	45.6		10.4	11.1		0.33	29.9		20.24	15.76	14.47
31.0	1325	10.0			4.28	45.7		10.4	11.1		0.34	30.9		20.23	15.76	14.47
31.0	1325	11.0			4.30	45.9		10.4	11.1		0.36	32.5		20.23	15.76	14.47
31.0	1325	12.0			4.26	45.5		10.4	11.1		0.37	33.1		20.23	15.76	14.47
31.0	1325	13.0			4.27	45.6		10.4	11.1		0.38	34.1		20.23	15.76	14.47
31.0	1325	14.0			4.34	46.4		10.4	11.1		0.39	34.6		20.23	15.76	14.47
31.0	1325	15.0			4.37	46.6		10.4	11.1		0.42	36.5		20.23	15.76	14.47
30.0	1306	1.0	39.2	0.83	3.67	39.2	11.9	11.7	12.4	18.0	0.11	14.2	1.7	20.36	15.72	14.58
30.0	1306	2.0			3.64	38.8		11.2	11.9		0.12	15.1		20.56	15.62	14.75
30.0	1306	3.0			3.52	37.6		11.1	11.8		0.14	16.8		20.60	15.61	14.78
30.0	1306	4.0			3.41	36.4		11.1	11.8		0.16	18.0		20.62	15.61	14.80
30.0	1306	5.0			3.46	36.9		11.1	11.8		0.18	19.2		20.63	15.61	14.80
30.0	1306	6.0			3.66	39.1		11.0	11.7		0.21	21.9		20.63	15.62	14.81
30.0	1306	7.0			3.80	40.6		11.0	11.7		0.28	26.5		20.63	15.62	14.81
30.0	1306	8.0			3.86	41.2		10.9	11.6		0.28	26.3		20.63	15.62	14.80
30.0	1306	9.0			3.88	41.4		10.9	11.6		0.27	26.1		20.63	15.62	14.81
30.0	1306	10.0			3.88	41.4		10.9	11.6		0.29	27.1		20.64	15.62	14.81
30.0	1306	11.0			3.94	42.0		10.9	11.6		0.32	29.3		20.64	15.61	14.81
30.0	1306	12.0			3.95	42.1		10.8	11.5		0.32	29.3		20.64	15.61	14.81
30.0	1306	13.0			3.96	42.2		10.8	11.5		0.33	29.9		20.64	15.61	14.81
30.0	1306	14.0			3.86	41.2		10.8	11.5		0.35	31.8		20.63	15.61	14.81
30.0	1306	15.0	45.3	0.81	3.81	40.7		10.8	11.5		0.42	36.7		20.63	15.61	14.81

LOCATION: South San Francisco Bay

DATE: March 25, 1993

JULIAN DAY: 93084

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR		OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a				OXYG	OXYG									
29.5	1255	1.0			2.98	31.7	11.7	12.4	9.9	0.08	12.3	1.5	20.67	16.12	14.73			
29.5	1255	2.0			3.02	32.2	11.4	12.1	0.08	12.6	20.68	16.06	14.76					
29.5	1255	3.0			3.08	32.8	11.1	11.8	0.09	12.8	20.75	15.89	14.84					
29.5	1255	4.0			3.17	33.7	11.0	11.7	0.09	13.4	20.84	15.68	14.95					
29.5	1255	5.0			3.25	34.6	10.9	11.6	0.12	14.9	20.84	15.67	14.95					
29.5	1255	6.0			3.35	35.8	10.9	11.6	0.14	16.8	20.85	15.66	14.96					
29.5	1255	7.0			3.47	37.1	10.8	11.5	0.16	18.2	20.87	15.64	14.99					
29.5	1255	8.0			3.51	37.4	10.8	11.5	0.17	18.4	20.87	15.63	14.99					
29.5	1255	9.0			3.47	37.0	10.8	11.5	0.20	20.8	20.87	15.64	14.99					
29.5	1255	10.0			3.58	38.2	10.8	11.5	0.21	21.9	20.87	15.64	14.98					
29.5	1255	11.0			3.67	39.2	10.8	11.5	0.23	22.8	20.87	15.63	14.99					
29.5	1255	12.0			3.75	40.0	10.8	11.5	0.23	23.3	20.88	15.62	15.00					
29.5	1255	13.0			3.76	40.1	10.7	11.4	0.25	24.8	20.88	15.62	15.00					
29.5	1255	14.0			3.64	38.8	10.7	11.4	0.27	25.6	20.89	15.61	15.01					
29.5	1255	15.0			3.69	39.4	10.7	11.4	0.31	28.4	20.89	15.61	15.01					
29.5	1255	16.0			3.75	40.0	10.7	11.4	0.32	29.8	20.89	15.61	15.01					
29.0	1242	1.0			3.54	37.7	11.5	12.2	14.4	0.04	9.8	1.5	20.63	16.30	14.67			
29.0	1242	2.0			3.73	39.8	11.7	12.4	0.06	10.9	20.64	16.07	14.72					
29.0	1242	3.0			3.65	38.9	11.5	12.2	0.07	11.7	20.65	16.01	14.74					
29.0	1242	4.0			3.49	37.2	11.1	11.8	0.08	12.1	20.72	15.84	14.83					
29.0	1242	5.0			3.33	35.5	10.8	11.5	0.09	13.0	20.86	15.60	14.98					
29.0	1242	6.0			3.04	32.4	10.8	11.5	0.11	14.3	21.06	15.58	15.14					
29.0	1242	7.0			2.89	30.7	10.8	11.5	0.12	14.9	21.13	15.57	15.19					
29.0	1242	8.0			2.91	31.0	10.8	11.5	0.13	16.1	21.16	15.57	15.22					
29.0	1242	9.0			2.90	30.9	10.8	11.5	0.15	17.2	21.17	15.57	15.23					
29.0	1242	10.0			2.97	31.6	10.8	11.5	0.15	17.3	21.18	15.57	15.24					
29.0	1242	11.0			3.01	32.0	10.8	11.5	0.16	17.7	21.19	15.57	15.25					
29.0	1242	12.0			2.97	31.7	10.8	11.5	0.16	18.1	21.20	15.57	15.25					
29.0	1242	13.0			3.02	32.2	10.8	11.5	0.17	18.5	21.20	15.57	15.26					
29.0	1242	14.0			3.07	32.7	10.8	11.5	0.17	18.4	21.21	15.57	15.26					

LOCATION: South San Francisco Bay

DATE: March 25, 1993

JULIAN DAY: 93084

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	DISCR CHL a	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.0	1242	15.0			3.14		33.4		10.8	11.5		0.17	19.0		21.21	15.57	15.26
29.0	1242	16.0			3.15		33.6		10.8	11.5		0.17	18.9		21.21	15.57	15.26
28.0	1219	1.0			3.41		36.3		11.8	12.4	12.5	0.05	10.2	1.5	20.67	16.23	14.71
28.0	1219	2.0			3.44		36.7		11.5	12.2		0.05	10.6		20.76	15.80	14.87
28.0	1219	3.0			3.36		35.9		11.0	11.7		0.07	11.7		20.91	15.62	15.02
28.0	1219	4.0			3.37		36.0		10.8	11.5		0.10	13.9		20.95	15.56	15.06
28.0	1219	5.0			3.19		34.0		10.8	11.5		0.16	18.0		20.98	15.55	15.09
28.0	1219	6.0			3.09		33.0		10.7	11.4		0.17	18.9		21.00	15.54	15.11
28.0	1219	7.0			3.13		33.3		10.7	11.4		0.19	20.3		21.07	15.53	15.16
28.0	1219	8.0			3.13		33.3		10.7	11.4		0.21	21.6		21.16	15.54	15.23
28.0	1219	9.0			3.02		32.2		10.6	11.3		0.22	22.7		21.27	15.54	15.31
28.0	1219	10.0			2.94		31.3		10.6	11.3		0.22	22.1		21.34	15.53	15.36
28.0	1219	11.0			2.96		31.6		10.6	11.3		0.21	21.6		21.39	15.52	15.40
28.0	1219	12.0			2.96		31.6		10.6	11.3		0.23	22.8		21.39	15.52	15.40
28.0	1219	13.0			3.00		32.0		10.5	11.3		0.22	22.7		21.40	15.52	15.41
28.0	1219	14.0			3.06		32.6		10.5	11.3		0.23	22.8		21.44	15.50	15.45
28.0	1219	15.0			3.11		33.2		10.5	11.2		0.24	24.0		21.45	15.50	15.46
28.0	1219	16.0			3.11		33.2		10.5	11.2		0.25	24.1		21.46	15.50	15.46
27.0	1207	1.0	21.6	0.68	2.63		28.0	13.7	12.2	12.9	9.9	0.04	9.4	1.2	21.17	16.13	15.11
27.0	1207	2.0			2.59		27.5		11.8	12.5		0.05	10.4		21.38	15.81	15.34
27.0	1207	3.0			2.54		27.1		11.4	12.1		0.05	9.9		21.51	15.57	15.49
27.0	1207	4.0			2.61		27.8		11.4	12.1		0.09	12.9		21.54	15.49	15.53
27.0	1207	5.0			2.67		28.4		11.3	12.0		0.12	14.9		21.54	15.48	15.53
27.0	1207	6.0			2.69		28.6		11.3	12.0		0.14	16.8		21.55	15.47	15.54
27.0	1207	7.0			2.67		28.4		11.3	12.0		0.15	17.6		21.57	15.44	15.56
27.0	1207	8.0			2.70		28.7		11.3	12.0		0.17	18.7		21.57	15.44	15.56
27.0	1207	9.0			2.90		30.9		11.3	12.0		0.20	20.8		21.56	15.43	15.56
27.0	1207	10.0			3.15		33.5		11.3	12.0		0.25	24.3		21.56	15.43	15.56
27.0	1207	11.0			3.18		33.9		11.2	11.9		0.30	28.0		21.56	15.43	15.56

LOCATION: South San Francisco Bay

DATE: March 25, 1993

JULIAN DAY: 93084

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
27.0	1207	12.0			3.21	34.2		11.2	11.9		0.35	31.7		21.56	15.43	15.56
27.0	1207	13.0			3.43	36.6		11.2	11.9		0.40	35.1		21.56	15.43	15.56
27.0	1207	14.0	32.1	0.68	3.45	36.8		11.2	11.9		0.46	39.6		21.56	15.43	15.56
26.0	1154	1.0			2.14	22.7		11.2	11.9	12.4	0.07	11.7	1.3	21.95	15.60	15.82
26.0	1154	2.0			2.18	23.2		11.2	11.9		0.08	12.1		21.95	15.56	15.83
26.0	1154	3.0			2.29	24.3		11.2	11.9		0.08	12.5		21.95	15.55	15.83
26.0	1154	4.0			2.36	25.1		11.2	11.9		0.09	12.8		21.95	15.53	15.83
26.0	1154	5.0			2.32	24.7		11.2	11.9		0.09	13.2		21.95	15.51	15.84
26.0	1154	6.0			2.37	25.2		11.2	11.9		0.11	14.2		21.95	15.52	15.84
26.0	1154	7.0			2.40	25.5		11.2	11.9		0.12	15.3		21.95	15.52	15.84
26.0	1154	8.0			2.41	25.7		11.2	11.9		0.12	15.3		21.95	15.52	15.84
26.0	1154	9.0			2.44	26.0		11.2	11.9		0.13	15.8		21.95	15.51	15.84
26.0	1154	10.0			2.52	26.8		11.2	11.9		0.14	16.5		21.95	15.51	15.84
26.0	1154	11.0			2.55	27.1		11.2	11.9		0.15	17.1		21.95	15.51	15.83
25.0	1139	1.0			2.49	26.5		10.9	11.5	12.5	0.09	13.1	1.4	22.05	15.53	15.91
25.0	1139	2.0			2.59	27.5		10.8	11.5		0.10	13.9		22.05	15.51	15.91
25.0	1139	3.0			2.54	27.0		10.9	11.6		0.10	13.9		22.05	15.51	15.91
25.0	1139	4.0			2.46	26.1		10.9	11.6		0.10	14.1		22.05	15.51	15.91
25.0	1139	5.0			2.42	25.7		10.9	11.6		0.11	14.3		22.05	15.50	15.91
25.0	1139	6.0			2.44	26.0		10.9	11.6		0.11	14.6		22.06	15.49	15.92
25.0	1139	7.0			2.49	26.5		10.8	11.5		0.11	14.6		22.06	15.48	15.93
25.0	1139	8.0			2.66	28.3		10.8	11.5		0.12	15.3		22.06	15.48	15.93
25.0	1139	9.0			2.73	29.1		10.8	11.5		0.13	15.9		22.06	15.48	15.93
25.0	1139	10.0			2.69	28.7		10.9	11.6		0.16	17.8		22.06	15.48	15.93
24.0	1125	1.0	15.1	0.64	1.41	14.8	10.4	9.6	10.3	13.2	0.13	16.1	1.4	21.93	15.49	15.82
24.0	1125	2.0			1.39	14.7		9.4	10.2		0.14	16.3		22.06	15.26	15.97
24.0	1125	3.0			1.39	14.7		9.4	10.1		0.15	17.1		22.09	15.21	16.01
24.0	1125	4.0			1.39	14.7		9.3	10.0		0.16	18.0		22.10	15.19	16.02

LOCATION: South San Francisco Bay
 DATE: March 25, 1993
 JULIAN DAY: 93084
 SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ α+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
24.0	1125	5.0			1.36	14.3		9.3	10.0		0.18	19.3		22.11	15.19	16.02
24.0	1125	6.0			1.41	14.9		9.3	10.0		0.20	20.6		22.11	15.19	16.02
24.0	1125	7.0			1.48	15.6		9.3	10.0		0.20	21.3		22.11	15.19	16.02
24.0	1125	8.0			1.49	15.8		9.3	10.0		0.21	21.6		22.11	15.19	16.02
24.0	1125	9.0			1.46	15.4		9.3	10.0		0.22	22.2		22.11	15.19	16.02
24.0	1125	10.0			1.49	15.7		9.3	10.0		0.21	21.9		22.11	15.19	16.02
24.0	1125	11.0			1.46	15.4		9.3	10.0		0.22	22.4		22.11	15.19	16.02
24.0	1125	12.0	17.8	0.71	1.42	15.0		9.2	9.9		0.23	22.9		22.11	15.19	16.02
23.0	1113	1.0			0.85	8.9		8.7	9.5	6.0	0.03	9.1	1.0	19.97	15.20	14.38
23.0	1113	2.0			0.92	9.6		8.9	9.6		0.04	9.3		20.28	15.19	14.62
23.0	1113	3.0			1.01	10.6		9.0	9.7		0.04	9.4		20.57	15.25	14.83
23.0	1113	4.0			1.16	12.2		9.2	9.9		0.05	9.9		20.69	15.32	14.91
23.0	1113	5.0			1.24	13.0		9.2	9.9		0.05	10.6		20.99	15.39	15.13
23.0	1113	6.0			1.21	12.8		9.1	9.8		0.07	11.3		21.25	15.40	15.32
23.0	1113	7.0			1.15	12.1		8.9	9.6		0.09	13.0		21.83	15.26	15.80
23.0	1113	8.0			1.04	10.9		8.8	9.5		0.10	14.0		22.15	15.17	16.05
23.0	1113	9.0			1.00	10.4		8.7	9.4		0.12	15.3		22.25	15.12	16.14
23.0	1113	10.0			1.01	10.6		8.6	9.4		0.18	19.2		22.32	15.08	16.21
23.0	1113	11.0			1.02	10.7		8.6	9.4		0.23	23.0		22.35	15.06	16.24
23.0	1113	12.0			1.02	10.7		8.6	9.4		0.25	24.3		22.37	15.06	16.25
23.0	1113	13.0			1.06	11.1		8.6	9.3		0.27	26.0		22.37	15.05	16.25
23.0	1113	14.0			1.08	11.3		8.6	9.3		0.27	26.2		22.38	15.05	16.26
23.0	1113	15.0			0.99	10.4		8.6	9.3		0.30	27.8		22.38	15.05	16.25
23.0	1113	16.0			0.97	10.2		8.6	9.3		0.32	29.5		22.38	15.06	16.25
22.0	1058	1.0			0.56	5.8	8.8	8.5	9.2	6.8	0.05	10.6	1.0	19.09	14.96	13.75
22.0	1058	2.0			0.58	5.9		8.5	9.2		0.06	10.7		19.29	14.96	13.90
22.0	1058	3.0			0.61	6.3		8.5	9.2		0.05	10.6		19.60	14.95	14.14
22.0	1058	4.0			0.64	6.6		8.5	9.2		0.05	10.1		20.79	14.91	15.07
22.0	1058	5.0			0.66	6.8		8.5	9.2		0.05	10.1		21.63	14.93	15.70

LOCATION: South San Francisco Bay
 DATE: March 25, 1993
 JULIAN DAY: 93084
 SeeBfrd v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
22.0	1058	6.0			0.67	6.9		8.4	9.2	0.05		10.2		21.99	14.94	15.98
22.0	1058	7.0			0.69	7.1		8.4	9.2	0.06		10.8		22.14	14.94	16.10
22.0	1058	8.0			0.70	7.3		8.4	9.1	0.07		11.3		22.32	14.94	16.23
22.0	1058	9.0			0.71	7.4		8.4	9.1	0.07		11.9		22.46	14.94	16.34
22.0	1058	10.0			0.73	7.5		8.4	9.1	0.11		14.2		22.52	14.94	16.39
22.0	1058	11.0			0.73	7.5		8.4	9.1	0.14		17.0		22.53	14.94	16.39
22.0	1058	12.0			0.74	7.7		8.4	9.1	0.16		18.1		22.66	14.93	16.49
22.0	1058	13.0			0.77	8.1		8.4	9.1	0.20		20.8		22.75	14.93	16.57
22.0	1058	14.0			0.80	8.3		8.4	9.1	0.28		26.8		22.91	14.93	16.69
22.0	1058	15.0			0.84	8.7		8.4	9.1	0.31		28.4		22.94	14.93	16.71
22.0	1058	16.0			0.86	9.0		8.4	9.1	0.31		28.5		22.94	14.93	16.71
22.0	1058	17.0			0.86	9.0		8.4	9.1	0.43		37.2		22.94	14.93	16.72
22.0	1058	18.0			0.86	8.9		8.4	9.1	0.43		37.6		22.95	14.93	16.72
22.0	1058	19.0			1.01	10.6		8.4	9.1	0.42		36.8		22.95	14.93	16.72
22.0	1058	20.0			1.07	11.3		8.4	9.1	0.46		39.2		22.94	14.93	16.71
21.0	1045	1.0	9.0	0.78	0.82	8.5		8.9	9.6	6.4		9.6	1.1	21.92	15.07	15.90
21.0	1045	2.0			0.86	9.0		8.8	9.5	0.04		9.7		22.26	15.08	16.17
21.0	1045	3.0			0.85	8.8		8.7	9.4	0.04		9.8		22.55	15.03	16.39
21.0	1045	4.0			0.84	8.7		8.7	9.4	0.05		10.4		22.65	14.99	16.48
21.0	1045	5.0			0.82	8.6		8.7	9.4	0.09		12.8		23.01	14.90	16.77
21.0	1045	6.0			0.77	8.0		8.6	9.4	0.15		17.6		23.07	14.89	16.82
21.0	1045	7.0			0.73	7.6		8.6	9.4	0.25		24.3		23.06	14.90	16.81
21.0	1045	8.0			0.76	7.9		8.7	9.4	0.27		25.6		23.05	14.90	16.81
21.0	1045	9.0			0.77	8.1		8.7	9.4	0.27		26.1		23.06	14.90	16.81
21.0	1045	10.0			0.77	8.1		8.6	9.4	0.29		27.5		23.08	14.90	16.82
21.0	1045	11.0			0.80	8.3		8.6	9.4	0.30		27.9		23.10	14.89	16.84
21.0	1045	12.0			0.82	8.5		8.6	9.4	0.32		29.6		23.10	14.89	16.84
21.0	1045	13.0			0.87	9.1		8.6	9.4	0.34		30.9		23.12	14.89	16.86
21.0	1045	14.0			0.90	9.3		8.6	9.4	0.35		31.8		23.12	14.89	16.85
21.0	1045	15.0			0.87	9.0		8.6	9.4	0.38		33.6		23.12	14.89	16.86

LOCATION: South San Francisco Bay
 DATE: March 25, 1993
 JULIAN DAY: 93084
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	1045	16.0		0.90	9.4	9.4	8.6	9.4	0.39	0.39	34.7		23.11	14.90	16.85
21.0	1045	17.0		0.96	10.1	9.3	8.6	9.3	0.43	0.43	37.1		23.10	14.90	16.84
21.0	1045	18.0	11.8	0.56	10.0	9.4	8.6	9.4	0.46	0.46	39.8		23.10	14.90	16.84

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	12	0.973	10.743	-0.269	3.889
OBS Calibration:	16	0.936	71.436	6.622	3.394
Dissolved Oxygen Calibration:	6	0.927	0.986	0.848	0.605

LOCATION: South San Francisco Bay

DATE: March 30, 1993

JULIAN DAY: 93089

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a				CHL a	OXYG		OXYG		SPM		SPM				
36.0	0823	1.0	26.3	0.59	3.09	31.8	8.4	9.0	8.4	9.0	38.2	0.47	37.2	3.3	12.24	15.16	8.47	
36.0	0823	2.0			3.21	33.0	8.3	8.7	8.3	8.7		0.53	41.1		13.69	15.33	9.55	
36.0	0823	3.0			3.29	33.8	8.1	8.4	8.1	8.4		0.54	41.8		14.31	15.32	10.02	
36.0	0823	4.0			3.52	36.2	8.0	8.3	8.0	8.3		0.54	42.2		15.41	15.10	10.91	
36.0	0823	5.0			3.70	38.2	8.1	8.3	8.1	8.3		0.80	58.9		15.80	15.02	11.22	
36.0	0823	6.0			3.91	40.3	8.1	8.4	8.1	8.4		0.99	71.2		15.88	15.00	11.29	
36.0	0823	7.0	36.5	0.59	3.94	40.7	8.1	8.4	8.1	8.4		1.32	92.6		16.01	14.98	11.39	
35.0	0836	1.0			3.58	36.9	8.5	9.2	8.5	9.2	32.4	0.41	33.6	3.1	14.11	15.30	9.88	
35.0	0836	2.0			3.58	36.9	8.4	9.0	8.4	9.0		0.41	33.5		15.41	15.10	10.91	
35.0	0836	3.0			3.38	34.8	8.3	8.9	8.3	8.9		0.39	32.3		16.21	14.93	11.55	
35.0	0836	4.0			3.38	34.8	8.3	8.8	8.3	8.8		0.41	33.8		16.46	14.94	11.74	
35.0	0836	5.0			3.50	36.0	8.3	8.9	8.3	8.9		0.47	37.0		16.67	14.95	11.90	
35.0	0836	6.0			3.51	36.1	8.3	8.8	8.3	8.8		0.50	39.4		16.98	14.99	12.13	
35.0	0836	7.0			3.39	34.9	8.3	8.7	8.3	8.7		0.57	44.1		17.23	15.01	12.31	
35.0	0836	8.0			3.38	34.8	8.3	8.7	8.3	8.7		0.60	46.0		17.69	15.04	12.66	
34.0	0846	1.0			3.57	36.8	8.8	9.6	8.8	9.6	32.8	0.41	33.4	3.0	14.65	14.75	10.39	
34.0	0846	2.0			3.58	36.9	8.7	9.5	8.7	9.5		0.41	33.3		14.89	14.70	10.58	
34.0	0846	3.0			3.61	37.2	8.6	9.4	8.6	9.4		0.42	34.1		15.09	14.67	10.74	
34.0	0846	4.0			3.72	38.3	8.6	9.3	8.6	9.3		0.44	35.4		15.25	14.66	10.87	
34.0	0846	5.0			3.68	37.9	8.5	9.1	8.5	9.1		0.48	37.7		15.57	14.70	11.11	
34.0	0846	6.0			3.65	37.6	8.3	8.8	8.3	8.8		0.63	48.0		16.54	14.78	11.84	
34.0	0846	7.0			3.66	37.7	8.3	8.8	8.3	8.8		0.84	61.4		16.76	14.81	11.99	
34.0	0846	8.0			3.31	34.0	8.3	8.7	8.3	8.7		0.87	63.2		16.78	14.84	12.01	
34.0	0846	9.0			3.19	32.8	8.2	8.6	8.2	8.6		1.11	78.9		17.21	14.96	12.32	
33.0	0900	1.0			3.95	40.8	8.8	9.7	8.8	9.7	29.6	0.37	30.9	2.9	15.85	14.66	11.32	
33.0	0900	2.0			3.84	39.6	8.8	9.7	8.8	9.7		0.37	30.5		15.85	14.66	11.32	
33.0	0900	3.0			3.78	39.0	8.8	9.7	8.8	9.7		0.37	31.0		15.88	14.69	11.34	
33.0	0900	4.0			3.80	39.2	8.8	9.7	8.8	9.7		0.37	30.8		15.89	14.70	11.35	

LOCATION: South San Francisco Bay

DATE: March 30, 1993

JULIAN DAY: 93089

SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ b+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	0900	5.0			3.91	40.3		8.9	9.8		0.38	31.2		15.92	14.72	11.36
33.0	0900	6.0			4.01	41.4		8.9	9.8		0.37	30.8		16.00	14.77	11.42
33.0	0900	7.0			4.04	41.7		8.9	9.9		0.37	31.0		16.22	14.86	11.57
33.0	0900	8.0			4.13	42.6		8.7	9.6		0.41	33.3		16.72	15.04	11.92
33.0	0900	9.0			4.06	41.9		8.7	9.5		0.44	35.2		16.80	15.03	11.98
33.0	0900	10.0			3.90	40.3		8.7	9.5		0.49	38.5		16.98	15.06	12.11
33.0	0900	11.0			3.91	40.3		8.6	9.4		0.54	41.6		17.16	15.09	12.25
33.0	0900	12.0			3.95	40.8		8.6	9.3		0.60	45.9		17.42	15.16	12.44
33.0	0900	13.0			3.93	40.5		8.5	9.2		0.75	55.7		17.65	15.15	12.61
32.0	0910	1.0			4.29	44.3	9.8	9.0	10.0	26.4	0.34	28.6	2.9	15.88	14.91	11.30
32.0	0910	2.0			4.25	43.9		9.0	10.1		0.34	29.2		15.94	14.95	11.34
32.0	0910	3.0			4.15	42.8		9.0	10.0		0.35	29.4		16.15	15.04	11.48
32.0	0910	4.0			3.99	41.2		8.8	9.8		0.36	30.5		16.59	15.11	11.81
32.0	0910	5.0			3.95	40.8		8.8	9.7		0.39	32.3		16.84	15.15	12.00
32.0	0910	6.0			4.05	41.7		8.8	9.8		0.42	34.2		17.12	15.19	12.20
32.0	0910	7.0			4.13	42.6		8.8	9.6		0.44	35.4		17.26	15.20	12.31
32.0	0910	8.0			4.03	41.6		8.6	9.3		0.50	39.6		17.47	15.18	12.47
32.0	0910	9.0			3.74	38.6		8.4	8.9		0.70	52.3		17.94	15.13	12.84
32.0	0910	10.0			3.30	34.0		8.2	8.6		0.83	60.7		18.41	15.08	13.21
32.0	0910	11.0			2.92	30.0		8.0	8.3		0.76	56.4		18.93	15.02	13.62
32.0	0910	12.0	45.4	0.75	2.96	30.4		8.1	8.5		0.77	56.7		19.18	15.01	13.82
31.0	0954	1.0			4.54	46.9		9.0	10.2	33.3	0.42	34.2	2.8	16.59	15.35	11.76
31.0	0954	2.0			4.52	46.7		9.1	10.2		0.44	35.7		16.57	15.33	11.75
31.0	0954	3.0			4.43	45.7		9.0	10.1		0.44	35.3		16.62	15.33	11.79
31.0	0954	4.0			4.39	45.3		8.9	10.0		0.43	34.5		17.03	15.31	12.11
31.0	0954	5.0			4.29	44.3		8.7	9.6		0.43	34.8		17.38	15.29	12.38
31.0	0954	6.0			3.89	40.1		8.5	9.2		0.42	34.3		18.00	15.18	12.88
31.0	0954	7.0			3.32	34.2		8.3	8.9		0.41	33.6		18.48	15.08	13.26
31.0	0954	8.0			2.91	29.9		8.2	8.7		0.39	32.0		18.69	15.05	13.43

LOCATION: South San Francisco Bay

DATE: March 30, 1993

JULIAN DAY: 93089

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLOOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	0954	9.0			2.70	27.7		8.2	8.6		0.37	30.6		18.92	15.02	13.61
31.0	0954	10.0			2.55	26.2		8.1	8.5		0.37	31.0		19.11	15.01	13.76
31.0	0954	11.0			2.41	24.7		8.1	8.4		0.38	31.6		19.35	14.99	13.95
31.0	0954	12.0			2.36	24.2		8.1	8.4		0.40	32.9		19.52	14.99	14.07
31.0	0954	13.0			2.46	25.2		8.1	8.4		0.44	35.6		19.57	14.99	14.11
31.0	0954	14.0			2.48	25.4		8.1	8.4		0.47	37.2		19.58	14.99	14.12
30.0	1011	1.0	45.7	0.72	4.72	48.8	11.4	9.0	10.2	30.5	0.34	29.1	3.1	17.78	15.29	12.69
30.0	1011	2.0			4.66	48.1		9.1	10.2		0.34	28.8		17.79	15.28	12.70
30.0	1011	3.0			4.53	46.7		8.9	9.9		0.34	29.1		17.77	15.29	12.68
30.0	1011	4.0			4.23	43.7		8.7	9.6		0.37	30.6		18.10	15.17	12.95
30.0	1011	5.0			3.68	37.9		8.5	9.1		0.34	28.6		18.60	15.06	13.36
30.0	1011	6.0			3.06	31.4		8.3	8.9		0.31	26.7		19.29	15.01	13.90
30.0	1011	7.0			2.78	28.5		8.3	8.9		0.31	27.1		19.58	15.00	14.12
30.0	1011	8.0			2.71	27.9		8.3	8.9		0.32	27.8		19.64	14.99	14.17
30.0	1011	9.0			2.64	27.1		8.3	8.8		0.34	28.8		19.66	14.99	14.19
30.0	1011	10.0			2.58	26.4		8.3	8.9		0.36	30.0		19.74	14.99	14.25
30.0	1011	11.0			2.58	26.4		8.3	8.8		0.39	32.3		19.78	14.99	14.28
30.0	1011	12.0			2.61	26.8		8.3	8.8		0.48	37.7		19.80	14.99	14.29
30.0	1011	13.0			2.64	27.1		8.3	8.8		0.48	38.2		19.79	14.99	14.29
30.0	1011	14.0	32.3	0.76	2.64	27.1		8.3	8.8		0.50	39.5		19.81	14.99	14.30
29.5	1024	1.0			4.68	48.3		9.5	11.0	22.5	0.23	21.7	2.3	18.11	15.16	12.96
29.5	1024	2.0			4.72	48.8		9.4	10.8		0.23	21.5		18.16	15.13	13.01
29.5	1024	3.0			4.62	47.7		9.3	10.7		0.22	21.4		18.24	15.10	13.08
29.5	1024	4.0			4.44	45.9		9.3	10.7		0.23	21.5		18.43	15.11	13.22
29.5	1024	5.0			4.04	41.7		9.3	10.5		0.22	21.4		18.77	15.11	13.48
29.5	1024	6.0			3.42	35.2		8.9	9.9		0.25	22.9		19.44	15.05	14.00
29.5	1024	7.0			2.93	30.1		8.8	9.7		0.27	24.3		19.88	15.00	14.35
29.5	1024	8.0			2.70	27.7		8.8	9.7		0.28	25.2		19.96	14.99	14.41
29.5	1024	9.0			2.54	26.1		8.8	9.7		0.28	24.7		20.02	14.98	14.46

LOCATION: South San Francisco Bay

DATE: March 30, 1993

JULIAN DAY: 93089

SeeBrd v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	DISCR CHL a	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.5	1024	10.0			2.47		25.3		8.8	9.7		0.29	25.7		20.05	14.98	14.48
29.5	1024	11.0			2.45		25.1		8.8	9.7		0.31	26.9		20.07	14.98	14.50
29.5	1024	12.0			2.41		24.7		8.8	9.7		0.32	27.7		20.08	14.98	14.51
29.5	1024	13.0			2.40		24.6		8.8	9.6		0.33	28.4		20.10	14.98	14.52
29.5	1024	14.0			2.45		25.1		8.7	9.6		0.34	28.6		20.11	14.98	14.53
29.5	1024	15.0			2.47		25.3		8.8	9.6		0.32	27.7		20.14	14.98	14.55
29.0	1108	1.0			5.00		51.7		11.0	13.7	24.5	0.19	19.3	2.4	18.04	15.22	12.90
29.0	1108	2.0			5.29		54.7		10.6	13.0		0.24	22.2		18.14	15.00	13.01
29.0	1108	3.0			5.09		52.7		10.5	12.7		0.25	23.3		18.19	14.97	13.06
29.0	1108	4.0			4.55		47.0		10.3	12.5		0.30	26.1		18.45	15.04	13.25
29.0	1108	5.0			4.20		43.3		10.2	12.2		0.30	26.4		18.78	15.12	13.49
29.0	1108	6.0			3.95		40.7		10.0	12.0		0.29	25.4		18.98	15.13	13.64
29.0	1108	7.0			3.46		35.6		9.8	11.5		0.30	26.1		19.34	15.09	13.92
29.0	1108	8.0			2.88		29.6		9.5	11.0		0.29	25.6		19.79	15.02	14.28
29.0	1108	9.0			2.40		24.6		9.4	10.8		0.26	23.7		20.17	14.98	14.57
29.0	1108	10.0			2.15		22.0		9.3	10.7		0.23	22.1		20.33	14.96	14.70
29.0	1108	11.0			2.01		20.6		9.3	10.6		0.21	20.6		20.40	14.95	14.76
29.0	1108	12.0			1.91		19.5		9.2	10.5		0.20	19.5		20.48	14.95	14.82
29.0	1108	13.0			1.90		19.4		9.2	10.4		0.19	19.1		20.50	14.95	14.84
29.0	1108	14.0			1.96		20.0		9.2	10.4		0.19	19.3		20.52	14.96	14.85
29.0	1108	15.0			1.98		20.2		9.2	10.5		0.20	20.0		20.53	14.96	14.85
28.0	1203	1.0			3.25		33.4		10.6	13.0		0.23	22.0	2.1	18.63	15.52	13.29
28.0	1203	2.0			3.29		33.8		10.4	12.7		0.22	21.3		18.60	15.56	13.26
28.0	1203	3.0			3.38		34.8		10.0	11.9		0.22	20.9		18.71	15.38	13.38
28.0	1203	4.0			3.39		34.9		9.6	11.1		0.22	21.0		19.26	15.03	13.87
28.0	1203	5.0			3.14		32.3		9.6	11.2		0.23	21.5		19.51	14.94	14.08
28.0	1203	6.0			2.91		29.9		9.7	11.3		0.25	22.9		19.64	14.93	14.18
28.0	1203	7.0			2.88		29.6		9.6	11.2		0.25	22.7		19.75	14.93	14.27
28.0	1203	8.0			2.80		28.8		9.6	11.1		0.21	20.7		19.87	14.93	14.36

LOCATION: South San Francisco Bay

DATE: March 30, 1993

JULIAN DAY: 93089

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CHL a	DISCR	OXYG	DISCR	OXYG	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
28.0	1203	9.0			2.63	27.0			9.5		11.1		0.18	18.2		19.90	14.93	14.38
28.0	1203	10.0			2.66	27.3			9.5		11.0		0.16	17.3		19.90	14.92	14.39
28.0	1203	11.0			2.72	28.0			9.5		11.0		0.15	16.7		19.92	14.92	14.40
28.0	1203	12.0			2.67	27.5			9.5		10.9		0.16	16.9		19.94	14.92	14.41
28.0	1203	13.0			2.51	25.7			9.5		10.9		0.15	16.5		19.97	14.93	14.43
28.0	1203	14.0			2.22	22.8			9.3		10.7		0.16	17.1		20.19	14.99	14.59
28.0	1203	15.0			2.22	22.7			9.3		10.7		0.17	17.8		20.40	15.02	14.75
27.0	1216	1.0	25.8	0.71	2.66	27.4		11.9	9.8		11.5		0.17	18.0	1.8	19.41	15.11	13.97
27.0	1216	2.0			2.63	27.0			9.6		11.1		0.16	17.3		19.63	14.89	14.18
27.0	1216	3.0			2.36	24.2			9.4		10.9		0.15	16.8		19.78	14.87	14.30
27.0	1216	4.0			2.07	21.2			9.3		10.6		0.13	15.2		20.01	14.91	14.47
27.0	1216	5.0			1.90	19.4			9.3		10.6		0.12	14.5		20.10	14.95	14.53
27.0	1216	6.0			1.84	18.8			9.2		10.5		0.12	14.3		20.17	14.97	14.58
27.0	1216	7.0			1.86	19.0			9.2		10.4		0.12	14.4		20.23	14.98	14.62
27.0	1216	8.0			1.87	19.1			9.2		10.4		0.12	14.8		20.26	14.99	14.64
27.0	1216	9.0			1.88	19.2			9.2		10.4		0.13	15.2		20.32	15.00	14.69
27.0	1216	10.0			1.90	19.4			9.1		10.3		0.13	15.5		20.41	15.03	14.75
27.0	1216	11.0			1.92	19.6			9.1		10.3		0.14	16.0		20.44	15.04	14.77
27.0	1216	12.0			2.03	20.7			9.1		10.3		0.19	19.4		20.45	15.05	14.78
27.0	1216	13.0	19.2	0.71	2.05	21.0			9.1		10.2		0.22	21.3		20.47	15.02	14.80
26.0	1305	1.0			1.48	15.0			10.3		12.3	7.4	0.02	8.3	1.0	19.49	15.66	13.92
26.0	1305	2.0			1.49	15.2			10.2		12.2		0.02	8.3		19.49	15.68	13.92
26.0	1305	3.0			1.62	16.5			9.8		11.4		0.02	8.3		19.49	15.65	13.93
26.0	1305	4.0			1.78	18.1			9.5		11.0		0.03	8.6		19.98	15.14	14.40
26.0	1305	5.0			1.77	18.0			9.4		10.7		0.04	9.5		20.28	15.04	14.65
26.0	1305	6.0			1.66	16.9			9.3		10.6		0.05	10.4		20.39	15.06	14.73
26.0	1305	7.0			1.55	15.8			9.2		10.5		0.06	10.9		20.47	15.04	14.80
26.0	1305	8.0			1.47	14.9			9.2		10.5		0.07	11.4		20.50	15.03	14.82
26.0	1305	9.0			1.46	14.9			9.2		10.4		0.08	12.2		20.53	15.01	14.85

LOCATION: South San Francisco Bay

DATE: March 30, 1993

JULIAN DAY: 93089

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
26.0	1305	10.0			1.43	14.5		9.2	10.4		0.09	12.3		20.54	15.01	14.85
26.0	1305	11.0			1.40	14.1		9.2	10.4		0.09	13.0		20.53	15.03	14.85
25.0	1322	1.0			0.70	6.9		9.6	11.2		-.02	5.2	0.8	17.63	15.25	12.58
25.0	1322	2.0			0.72	7.1		9.5	11.1		-.02	5.2		17.64	15.25	12.59
25.0	1322	3.0			0.89	8.9		9.7	11.3		-.02	5.3		17.90	15.14	12.81
25.0	1322	4.0			1.14	11.5		9.6	11.2		-.02	5.3		19.53	15.12	14.06
25.0	1322	5.0			1.29	13.0		9.4	10.7		-.02	5.5		20.32	15.13	14.66
25.0	1322	6.0			1.32	13.3		9.2	10.4		-.00	6.6		20.49	15.10	14.80
25.0	1322	7.0			1.35	13.6		9.1	10.2		0.03	8.9		20.55	15.10	14.84
25.0	1322	8.0			1.34	13.6		9.2	10.4		0.04	9.6		20.55	15.10	14.85
24.0	1340	1.0	10.0	0.63	1.01	10.1		9.7	11.4	4.4	-.01	6.1	0.8	18.91	15.62	13.49
24.0	1340	2.0			1.04	10.4		9.4	10.8		-.01	6.1		18.90	15.64	13.48
24.0	1340	3.0			1.10	11.1		9.2	10.5		-.01	6.0		19.20	15.27	13.78
24.0	1340	4.0			1.15	11.6		9.1	10.2		-.01	6.3		20.07	14.98	14.50
24.0	1340	5.0			1.05	10.5		8.7	9.5		0.01	7.2		20.33	14.93	14.71
24.0	1340	6.0			0.83	8.3		8.1	8.4		0.01	7.4		21.35	14.58	15.56
24.0	1340	7.0			0.62	6.0		7.8	8.0		0.02	8.2		24.10	13.80	17.82
24.0	1340	8.0			0.51	4.9		7.8	7.9		0.03	9.0		25.34	13.54	18.82
24.0	1340	9.0			0.47	4.5		7.8	8.0		0.05	9.9		25.52	13.49	18.98
24.0	1340	10.0			0.45	4.3		7.9	8.0		0.06	10.6		25.58	13.48	19.02
24.0	1340	11.0	2.9	0.32	0.45	4.3		8.0	8.2		0.07	11.3		25.62	13.48	19.05
23.0	1358	1.0			0.86	8.5		9.4	10.9		-.01	6.1	0.9	19.17	15.36	13.73
23.0	1358	2.0			0.88	8.8		9.0	10.1		-.01	6.1		19.08	15.43	13.66
23.0	1358	3.0			0.97	9.7		8.9	9.9		-.01	6.1		19.80	14.87	14.31
23.0	1358	4.0			1.03	10.3		8.7	9.6		0.01	7.3		19.98	14.72	14.48
23.0	1358	5.0			1.06	10.6		8.6	9.4		0.05	9.9		20.14	14.68	14.61
23.0	1358	6.0			1.04	10.5		8.6	9.3		0.06	10.8		20.20	14.65	14.66
23.0	1358	7.0			0.97	9.7		8.5	9.1		0.07	11.4		20.44	14.57	14.86

LOCATION: South San Francisco Bay

DATE: March 30, 1993

JULIAN DAY: 93089

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPH	EXCOF	SALIN	TEMP	SIGT
23.0	1358	8.0			0.83	8.2		8.3	8.8		0.06	11.0		20.89	14.45	15.23
23.0	1358	9.0			0.70	6.9		8.2	8.6		0.06	10.4		21.56	14.28	15.78
23.0	1358	10.0			0.62	6.1		8.2	8.6		0.05	10.2		22.50	14.18	16.52
23.0	1358	11.0			0.58	5.6		8.0	8.3		0.05	10.2		22.75	14.18	16.71
23.0	1358	12.0			0.55	5.3		7.8	8.0		0.05	9.9		23.42	14.01	17.25
23.0	1358	13.0			0.52	5.0		7.8	7.8		0.06	10.5		24.43	13.75	18.08
23.0	1358	14.0			0.52	5.0		7.8	7.9		0.07	11.3		25.30	13.53	18.80
23.0	1358	15.0			0.53	5.1		7.9	8.1		0.08	11.8		25.48	13.49	18.94
22.0	-9	1.0			0.60	5.9		8.6	9.3		0.08	12.0	1.0	11.67	14.52	8.14
22.0	-9	2.0			0.63	6.1		8.8	9.7		0.08	11.7		13.22	14.31	9.37
22.0	-9	3.0			0.69	6.8		8.9	9.9		0.07	11.3		15.19	14.32	10.88
22.0	-9	4.0			0.79	7.8		9.0	10.1		0.05	10.2		16.28	14.47	11.69
22.0	-9	5.0			0.85	8.4		9.1	10.2		0.03	8.7		17.23	14.63	12.39
22.0	-9	6.0			0.92	9.2		9.2	10.4		0.03	8.5		18.17	14.75	13.09
22.0	-9	7.0			1.00	10.0		9.0	10.0		0.00	6.8		19.11	14.88	13.78
22.0	-9	8.0			0.98	9.8		8.7	9.4		-0.1	6.1		19.77	14.87	14.29
22.0	-9	9.0			0.93	9.3		8.5	9.2		0.01	7.4		19.90	14.75	14.41
22.0	-9	10.0			0.87	8.7		8.4	9.0		0.02	8.0		20.00	14.70	14.50
22.0	-9	11.0			0.84	8.4		8.4	9.0		0.03	8.7		20.11	14.68	14.59
22.0	-9	12.0			0.79	7.9		8.3	8.9		0.04	9.4		20.19	14.66	14.65
22.0	-9	13.0			0.74	7.3		8.3	8.7		0.03	8.7		20.57	14.63	14.95
22.0	-9	14.0			0.71	6.9		8.0	8.3		0.06	10.6		21.12	14.38	15.42
22.0	-9	15.0			0.62	6.0		7.4	7.2		0.14	16.0		22.25	14.04	16.35
22.0	-9	16.0			0.50	4.8		7.2	6.8		0.09	12.8		24.03	13.40	17.84
22.0	-9	19.0			0.44	4.2		7.3	7.1		0.08	11.7		25.63	13.11	19.13
22.0	-9	20.0			0.46	4.3		7.6	7.5		0.14	15.6		27.23	13.12	20.36
21.0	1441	1.0	4.5	0.59	0.65	6.4		8.6	9.4	7.1	0.02	8.0	0.9	14.70	14.37	10.49
21.0	1441	2.0			0.67	6.6		8.6	9.4		0.05	10.1		14.88	14.34	10.64
21.0	1441	3.0			0.69	6.8		8.6	9.4		0.05	10.0		16.01	14.29	11.52

LOCATION: South San Francisco Bay
 DATE: March 30, 1993
 JULIAN DAY: 93089
 SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	1441	4.0			0.71	6.9	8.6	9.4		0.04	9.3		16.31	14.34	11.73
21.0	1441	5.0			0.69	6.8	8.7	9.5		0.03	8.9		16.35	14.38	11.76
21.0	1441	6.0			0.69	6.8	8.7	9.5		0.03	8.9		16.54	14.42	11.90
21.0	1441	7.0			0.68	6.7	8.7	9.5		0.03	8.9		17.95	14.46	12.98
21.0	1441	8.0			0.68	6.7	8.6	9.4		0.03	8.4		18.85	14.54	13.65
21.0	1441	9.0			0.70	6.9	8.6	9.3		0.02	8.0		19.04	14.55	13.80
21.0	1441	10.0			0.70	6.9	8.6	9.3		0.02	8.1		19.08	14.54	13.83
21.0	1441	11.0			0.70	6.9	8.5	9.2		0.03	8.4		19.13	14.53	13.87
21.0	1441	12.0			0.70	6.9	8.3	8.8		0.05	10.0		19.70	14.45	14.31
21.0	1441	13.0			0.67	6.6	7.8	8.0		0.09	12.4		20.81	14.28	15.20
21.0	1441	14.0			0.62	6.1	7.6	7.4		0.12	14.3		23.74	13.79	17.54
21.0	1441	15.0			0.56	5.5	7.4	7.2		0.10	13.3		25.02	13.53	18.58
21.0	1441	16.0	5.7	0.58	0.57	5.5	7.6	7.5		0.16	17.2		25.88	13.34	19.28

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	11	0.875	10.413	-0.392	5.977
OBS Calibration:	13	0.970	65.050	6.780	2.024
Dissolved Oxygen Calibration:	7	0.559	1.816	-6.278	0.812

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples

LOCATION: North San Francisco Bay
 DATE: March 31, 1993
 JULIAN DAY: 93090
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a				CHL a	OXYG	OXYG	OXYG	SPM		SPM				
657.0	1625	1.0	2.8	0.74	0.47	1.9	1.9	76.5	1.35	72.4	4.4	0.07	13.51	0.00	0.00	0.00	0.00
657.0	1625	2.0			0.48	1.9	1.9		1.38	73.8		0.07	13.49	0.00	0.00	0.00	0.00
657.0	1625	3.0			0.48	2.0	2.0		1.29	69.1		0.07	13.48	0.00	0.00	0.00	0.00
657.0	1625	4.0			0.49	2.0	2.0		1.34	71.9		0.07	13.48	0.00	0.00	0.00	0.00
657.0	1625	5.0			0.49	2.0	2.0		1.29	68.8		0.07	13.48	0.00	0.00	0.00	0.00
657.0	1625	6.0			0.49	2.0	2.0		1.32	70.7		0.07	13.48	0.00	0.00	0.00	0.00
657.0	1625	7.0			0.49	2.0	2.0		1.35	72.2		0.07	13.48	0.00	0.00	0.00	0.00
657.0	1625	8.0			0.49	2.0	2.0		1.36	73.0		0.07	13.48	0.00	0.00	0.00	0.00
657.0	1625	9.0			0.49	2.0	2.0		1.39	74.6		0.07	13.48	0.00	0.00	0.00	0.00
657.0	1625	10.0			0.49	2.0	2.0		1.41	75.7		0.07	13.49	0.00	0.00	0.00	0.00
657.0	1625	11.0			0.49	2.0	2.0		1.53	82.2		0.07	13.49	0.00	0.00	0.00	0.00
657.0	1625	12.0	2.8	0.70	0.49	2.0	2.0		1.30	69.8		0.07	13.49	0.00	0.00	0.00	0.00
653.0	1550	1.0			0.46	1.8	1.8	100.4	1.64	88.4	5.4	0.07	13.36	0.00	0.00	0.00	0.00
653.0	1550	2.0			0.47	1.9	1.9		1.62	87.4		0.07	13.35	0.00	0.00	0.00	0.00
653.0	1550	3.0			0.47	1.9	1.9		1.50	80.6		0.07	13.35	0.00	0.00	0.00	0.00
653.0	1550	4.0			0.47	1.9	1.9		1.50	80.4		0.07	13.35	0.00	0.00	0.00	0.00
653.0	1550	5.0			0.47	1.9	1.9		1.55	83.3		0.07	13.34	0.00	0.00	0.00	0.00
653.0	1550	6.0			0.48	2.0	2.0		1.60	86.4		0.07	13.34	0.00	0.00	0.00	0.00
653.0	1550	7.0			0.49	2.0	2.0		1.72	92.8		0.07	13.34	0.00	0.00	0.00	0.00
653.0	1550	8.0			0.49	2.0	2.0		1.79	96.7		0.07	13.34	0.00	0.00	0.00	0.00
653.0	1550	9.0			0.48	2.0	2.0		1.83	99.2		0.07	13.34	0.00	0.00	0.00	0.00
653.0	1550	10.0			0.48	2.0	2.0		1.87	101.3		0.07	13.34	0.00	0.00	0.00	0.00
653.0	1550	12.0			0.48	1.9	1.9		1.87	101.3		0.07	13.34	0.00	0.00	0.00	0.00
649.0	1513	1.0	1.7	0.41	0.44	1.7	1.7	74.0	1.25	66.7	5.4	0.06	13.01	0.00	0.00	0.00	0.00
649.0	1513	2.0			0.44	1.7	1.7		1.31	70.2		0.06	13.00	0.00	0.00	0.00	0.00
649.0	1513	3.0			0.44	1.7	1.7		1.29	68.9		0.06	13.01	0.00	0.00	0.00	0.00
649.0	1513	4.0			0.45	1.7	1.7		1.24	66.0		0.06	13.01	0.00	0.00	0.00	0.00
649.0	1513	5.0			0.45	1.8	1.8		1.26	67.2		0.06	12.99	0.00	0.00	0.00	0.00
649.0	1513	6.0			0.45	1.8	1.8		1.29	69.2		0.06	12.99	0.00	0.00	0.00	0.00

LOCATION: North San Francisco Bay
 DATE: March 31, 1993
 JULIAN DAY: 93090
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
649.0	1513	7.0			0.45	1.8				1.35	72.0		0.06	12.99	0.00
649.0	1513	8.0			0.45	1.7				1.37	73.4		0.06	12.99	0.00
649.0	1513	9.0			0.45	1.7				1.36	73.0		0.06	12.99	0.00
649.0	1513	10.0			0.45	1.8				1.37	73.5		0.06	12.99	0.00
649.0	1513	11.0			0.46	1.8				1.34	71.7		0.06	12.98	0.00
649.0	1513	12.0	1.6	0.35	0.46	1.8				1.40	74.9		0.06	12.98	0.00
2.0	1450	1.0			0.39	1.4			64.4	1.03	54.4	3.8	0.06	13.08	0.00
2.0	1450	2.0			0.39	1.4				1.06	56.3		0.06	13.05	0.00
2.0	1450	3.0			0.40	1.4				1.08	57.1		0.06	12.97	0.00
2.0	1450	4.0			0.41	1.5				1.05	55.7		0.06	12.99	0.00
2.0	1450	5.0			0.42	1.6				1.09	58.0		0.06	12.91	0.00
2.0	1450	6.0			0.42	1.5				1.10	58.0		0.06	12.90	0.00
2.0	1450	7.0			0.42	1.5				1.10	58.3		0.06	12.90	0.00
2.0	1450	8.0			0.41	1.5				1.08	57.1		0.06	12.89	0.00
2.0	1450	9.0			0.41	1.5				1.10	58.1		0.06	12.86	0.00
2.0	1450	10.0			0.41	1.5				1.12	59.5		0.06	12.85	0.00
2.0	1450	11.0			0.41	1.5				1.09	57.9		0.06	12.86	0.00
2.0	1450	12.0			0.41	1.5				1.09	57.6		0.06	12.86	0.00
2.0	1450	13.0			0.41	1.5				1.09	58.0		0.06	12.96	0.00
3.0	1434	1.0	0.6	0.19	0.40	1.4			62.7	1.18	63.0	3.9	0.06	12.98	0.00
3.0	1434	2.0			0.40	1.5				1.15	60.9		0.06	12.96	0.00
3.0	1434	3.0			0.41	1.5				1.14	60.7		0.06	12.95	0.00
3.0	1434	4.0			0.41	1.5				1.14	60.6		0.06	12.94	0.00
3.0	1434	5.0			0.41	1.5				1.13	59.9		0.06	12.95	0.00
3.0	1434	6.0			0.41	1.5				1.14	60.8		0.06	12.95	0.00
3.0	1434	7.0			0.41	1.5				1.14	60.8		0.06	12.95	0.00
3.0	1434	8.0			0.41	1.5				1.15	61.1		0.06	12.95	0.00
3.0	1434	9.0			0.41	1.5				1.17	62.4		0.06	12.95	0.00
3.0	1434	10.0			0.41	1.5				1.15	61.1		0.06	12.95	0.00

LOCATION: North San Francisco Bay
 DATE: March 31, 1993
 JULIAN DAY: 93090
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ #PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	STGT
3.0	1434	11.0			0.41	1.5					1.18	62.9		0.06	12.97	0.00
3.0	1434	12.0			0.41	1.5					1.17	62.2		0.06	12.95	0.00
3.0	1434	13.0	1.1	0.27	0.41	1.5					1.20	63.8		0.06	12.95	0.00
4.0	1257	1.0			0.43	1.6	90.3				1.54	83.0	6.0	0.06	12.89	0.00
4.0	1257	2.0			0.43	1.6					1.47	79.2		0.06	12.85	0.00
4.0	1257	3.0			0.43	1.6					1.54	82.8		0.06	12.86	0.00
4.0	1257	4.0			0.44	1.7					1.59	85.5		0.06	12.85	0.00
4.0	1257	5.0			0.44	1.7					1.62	87.3		0.06	12.85	0.00
4.0	1257	6.0			0.44	1.7					1.63	88.2		0.06	12.84	0.00
4.0	1257	7.0			0.45	1.7					1.62	87.5		0.06	12.85	0.00
4.0	1257	8.0			0.45	1.7					1.59	85.4		0.06	12.85	0.00
4.0	1257	9.0			0.44	1.7					1.59	85.7		0.06	12.84	0.00
4.0	1257	10.0			0.45	1.7					1.63	87.7		0.06	12.84	0.00
4.0	1257	11.0			0.45	1.7					1.63	87.9		0.06	12.82	0.00
4.0	1257	12.0			0.45	1.7					1.64	88.7		0.06	12.82	0.00
4.0	1257	13.0			0.45	1.7					1.66	89.5		0.06	12.82	0.00
4.0	1257	14.0			0.45	1.7					1.62	87.2		0.06	12.83	0.00
5.0	1237	1.0			0.42	1.5	100.0				1.90	103.0	5.5	0.06	12.87	0.00
5.0	1237	2.0			0.42	1.6					1.86	100.6		0.06	12.89	0.00
5.0	1237	3.0			0.42	1.6					1.85	100.4		0.06	12.89	0.00
5.0	1237	4.0			0.42	1.6					1.78	96.3		0.06	12.89	0.00
5.0	1237	5.0			0.43	1.6					1.70	91.7		0.06	12.89	0.00
5.0	1237	6.0			0.42	1.6					1.70	92.0		0.06	12.89	0.00
5.0	1237	7.0			0.43	1.6					1.71	92.6		0.06	12.89	0.00
5.0	1237	8.0			0.43	1.6					1.70	92.1		0.06	12.89	0.00
5.0	1237	9.0			0.43	1.6					1.74	93.9		0.06	12.89	0.00
5.0	1237	10.0			0.43	1.6					1.76	95.4		0.06	12.89	0.00
5.0	1237	11.0			0.43	1.6					1.78	96.5		0.06	12.89	0.00
5.0	1237	12.0			0.43	1.6					1.81	98.0		0.06	12.89	0.00

LOCATION: North San Francisco Bay
 DATE: March 31, 1993
 JULIAN DAY: 93090
 SeeBIRD v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
5.0	1237	13.0			0.43	1.6				1.82	98.8		0.06	12.89	0.00
6.0	1210	1.0	1.1	0.31	0.41	1.5			72.2	1.45	78.0	4.8	0.07	13.24	0.00
6.0	1210	2.0			0.41	1.5				1.37	73.5		0.07	13.23	0.00
6.0	1210	3.0			0.42	1.5				1.33	71.2		0.07	13.23	0.00
6.0	1210	4.0			0.42	1.6				1.29	68.7		0.07	13.22	0.00
6.0	1210	5.0			0.42	1.6				1.28	68.5		0.07	13.22	0.00
6.0	1210	6.0			0.42	1.6				1.28	68.4		0.07	13.23	0.00
6.0	1210	7.0			0.42	1.5				1.27	67.8		0.07	13.23	0.00
6.0	1210	8.0			0.42	1.5				1.29	68.9		0.07	13.22	0.00
6.0	1210	9.0			0.42	1.5				1.32	70.6		0.07	13.22	0.00
6.0	1210	10.0			0.41	1.5				1.36	73.0		0.07	13.22	0.00
6.0	1210	11.0	1.0	0.29	0.41	1.5				1.35	72.5		0.07	13.21	0.00
7.0	1144	1.0			0.60	1.4			82.5	1.55	83.7	4.7	0.07	12.97	0.00
7.0	1144	2.0			0.60	1.4				1.48	79.5		0.07	12.95	0.00
7.0	1144	3.0			0.60	1.4				1.40	75.4		0.07	12.95	0.00
7.0	1144	4.0			0.60	1.4				1.38	74.0		0.07	12.95	0.00
7.0	1144	5.0			0.60	1.4				1.38	74.0		0.07	12.94	0.00
7.0	1144	6.0			0.61	1.5				1.37	73.1		0.07	12.95	0.00
7.0	1144	7.0			0.61	1.5				1.39	74.6		0.07	12.94	0.00
7.0	1144	8.0			0.61	1.5				1.43	76.7		0.07	12.93	0.00
7.0	1144	9.0			0.60	1.4				1.41	75.5		0.07	12.92	0.00
7.0	1144	10.0			0.60	1.4				1.43	76.7		0.07	12.92	0.00
7.0	1144	11.0			0.60	1.4				1.44	77.3		0.07	12.92	0.00
7.0	1144	12.0			0.60	1.5				1.44	77.1		0.07	12.92	0.00
7.0	1144	13.0			0.61	1.5				1.46	78.6		0.07	12.92	0.00
7.0	1144	14.0			0.61	1.5				1.47	78.9		0.07	12.92	0.00
7.0	1144	15.0			0.61	1.5				1.48	79.3		0.07	12.92	0.00
7.0	1144	16.0			0.61	1.5				1.52	81.8		0.07	12.92	0.00

LOCATION: North San Francisco Bay
 DATE: March 31, 1993
 JULIAN DAY: 93090
 SeeBird v4.026

STN	TIME	DEPTH	DISC CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISC OXYG	CALC OXYG	DISC SPM	CALC SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
8.0	1106	1.0			0.42	1.5			90.5	98.3	1.82	98.3	6.8	0.09	12.98	0.00
8.0	1106	2.0			0.42	1.6				95.8	1.77	95.8		0.09	12.95	0.00
8.0	1106	3.0			0.43	1.6				97.3	1.80	97.3		0.10	12.88	0.00
8.0	1106	4.0			0.43	1.6				98.3	1.82	98.3		0.11	12.87	0.00
8.0	1106	5.0			0.43	1.6				101.7	1.88	101.7		0.14	12.86	0.00
8.0	1106	6.0			0.43	1.6				103.6	1.91	103.6		0.17	12.86	0.00
8.0	1106	7.0			0.44	1.7				105.4	1.94	105.4		0.18	12.87	0.00
8.0	1106	8.0			0.44	1.7				106.2	1.96	106.2		0.22	12.88	0.00
8.0	1106	9.0			0.44	1.7				102.1	1.88	102.1		0.37	12.94	0.00
8.0	1106	10.0			0.45	1.7				116.4	2.14	116.4		1.28	13.13	0.35
8.0	1106	11.0			0.45	1.8				72.2	1.35	72.2		3.18	13.33	1.80
8.0	1106	12.0			0.48	1.9				55.3	1.05	55.3		6.03	13.60	3.96
8.0	1106	13.0			0.50	2.0				34.0	0.67	34.0		9.76	13.76	6.81
8.0	1106	14.0			0.49	2.0				20.4	0.42	20.4		10.98	13.76	7.74
8.0	1106	15.0			0.48	1.9				12.7	0.28	12.7		11.99	13.69	8.53
9.0	1039	1.0	1.3	0.45	0.38	1.3			58.7	64.1	1.20	64.1	4.6	0.20	13.35	0.00
9.0	1039	2.0			0.39	1.3				61.6	1.16	61.6		0.23	13.36	0.00
9.0	1039	3.0			0.39	1.4				62.1	1.17	62.1		0.28	13.36	0.00
9.0	1039	4.0			0.39	1.4				62.0	1.17	62.0		0.35	13.40	0.00
9.0	1039	5.0			0.39	1.4				61.5	1.16	61.5		0.39	13.41	0.00
9.0	1039	6.0			0.39	1.4				62.4	1.17	62.4		0.43	13.43	0.00
9.0	1039	7.0			0.39	1.4				62.8	1.18	62.8		0.46	13.43	0.00
9.0	1039	8.0			0.39	1.4				64.2	1.21	64.2		0.45	13.40	0.00
9.0	1039	9.0			0.39	1.4				65.4	1.23	65.4		0.47	13.39	0.00
9.0	1039	10.0			0.39	1.4				65.8	1.23	65.8		0.49	13.37	0.00
9.0	1039	11.0			0.40	1.5				65.2	1.22	65.2		0.65	13.36	0.00
9.0	1039	12.0			0.41	1.5				62.0	1.17	62.0		1.38	13.39	0.40
9.0	1039	13.0			0.42	1.6				58.1	1.10	58.1		2.16	13.41	1.00
9.0	1039	14.0			0.43	1.6				51.4	0.98	51.4		3.30	13.45	1.87
9.0	1039	15.0			0.44	1.7				46.2	0.88	46.2		4.03	13.49	2.43

LOCATION: North San Francisco Bay
 DATE: March 31, 1993
 JULIAN DAY: 93090
 SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ e+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
9.0	1039	16.0			0.45	1.8					0.88	45.9		4.24	13.50	2.60
9.0	1039	17.0			0.47	1.9					0.88	45.8		4.33	13.50	2.66
9.0	1039	18.0			0.49	2.0					0.73	37.5		7.59	13.65	5.15
9.0	1039	19.0			0.50	2.0					0.54	26.9		9.35	13.70	6.50
9.0	1039	20.0			0.49	2.0					0.45	22.1		9.68	13.68	6.76
9.0	1039	21.0			0.49	2.0					0.36	17.1		11.44	13.71	8.11
9.0	1039	22.0			0.49	2.0					0.34	15.5		12.29	13.72	8.76
9.0	1039	23.0			0.49	2.0					0.32	14.8		13.33	13.71	9.55
9.0	1039	24.0			0.49	2.0					0.33	15.2		14.18	13.71	10.21
9.0	1039	25.0			0.50	2.1					0.27	11.9		14.51	13.72	10.46
9.0	1039	26.0	2.9	0.62	0.50	2.1					0.44	21.1		14.90	13.71	10.76
10.0	1020	1.0			0.41	1.5		8.3	8.8	58.6	1.17	62.3	4.2	1.12	13.22	0.22
10.0	1020	2.0			0.41	1.5		8.5	9.2		1.14	60.8		1.30	13.24	0.36
10.0	1020	3.0			0.42	1.5		8.6	9.4		1.09	57.7		2.07	13.27	0.95
10.0	1020	4.0			0.43	1.6		8.6	9.3		1.04	54.7		3.23	13.33	1.84
10.0	1020	5.0			0.44	1.7		8.5	9.1		0.94	49.5		4.73	13.40	2.98
10.0	1020	6.0			0.45	1.7		8.4	9.1		0.90	46.9		5.16	13.44	3.31
10.0	1020	7.0			0.47	1.9		8.4	8.9		0.72	37.0		6.97	13.54	4.69
10.0	1020	8.0			0.49	2.0		8.2	8.5		0.49	23.9		9.90	13.66	6.93
10.0	1020	9.0			0.49	2.0		8.0	8.3		0.38	18.0		11.98	13.72	8.52
10.0	1020	10.0			0.50	2.0		7.9	8.1		0.33	15.5		13.24	13.74	9.48
10.0	1020	11.0			0.50	2.1		7.9	8.0		0.30	13.4		13.82	13.76	9.93
10.0	1020	12.0			0.51	2.1		7.8	8.0		0.29	13.3		13.97	13.75	10.04
10.0	1020	13.0			0.51	2.1		7.8	7.9		0.30	13.7		14.15	13.76	10.18
10.0	1020	14.0			0.50	2.1		7.8	7.9		0.30	13.5		14.22	13.76	10.23
10.0	1020	15.0			0.50	2.1		7.8	7.9		0.29	13.2		14.28	13.76	10.27
10.0	1020	16.0			0.50	2.1		7.8	7.9		0.28	12.7		14.26	13.77	10.26
10.0	1020	17.0			0.50	2.1		7.8	8.0		0.27	12.1		14.33	13.77	10.31
10.0	1020	18.0			0.50	2.0		7.8	8.0		0.28	12.7		14.46	13.78	10.41
10.0	1020	19.0			0.50	2.0		7.8	7.9		0.34	15.8		15.05	13.77	10.86

LOCATION: North San Francisco Bay
 DATE: March 31, 1993
 JULIAN DAY: 93090
 SeeBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
11.0	0948	1.0			0.43	1.6		8.5	9.1		38.0	0.96		50.4	3.8	0.82	13.28	0.00
11.0	0948	2.0			0.44	1.7		8.7	9.5			0.74		38.3		3.23	13.45	1.82
11.0	0948	3.0			0.47	1.8		8.3	8.8			0.44		21.4		8.33	13.83	5.70
11.0	0948	4.0			0.48	1.9		8.3	8.8			0.30		13.8		8.15	13.81	5.55
11.0	0948	5.0			0.50	2.1		8.2	8.7			0.25		10.7		9.46	13.82	6.56
11.0	0948	6.0			0.52	2.2		8.0	8.3			0.24		10.0		12.33	13.84	8.77
11.0	0948	7.0			0.53	2.2		8.0	8.2			0.22		9.0		13.16	13.84	9.41
11.0	0948	8.0			0.52	2.2		7.8	8.0			0.20		8.1		14.54	13.80	10.47
11.0	0948	9.0			0.51	2.1		7.7	7.7			0.24		10.2		16.66	13.78	12.10
11.0	0948	10.0			0.50	2.1		7.6	7.4			0.22		9.3		18.70	13.72	13.68
11.0	0948	11.0			0.50	2.1		7.5	7.4			0.31		13.9		18.78	13.70	13.75
11.0	0948	12.0			0.52	2.2		7.5	7.3			0.52		25.9		19.24	13.66	14.11
11.0	0948	13.0			0.52	2.2		7.5	7.3			0.86		44.9		19.39	13.65	14.22
13.0	0750	1.0	2.4	0.44	0.56	2.5	9.4	9.3	10.6		18.8	0.48		23.7	2.5	3.63	13.53	2.12
13.0	0750	2.0			0.56	2.4		9.2	10.3			0.39		18.5		5.01	13.93	3.13
13.0	0750	3.0			0.53	2.3		8.7	9.4			0.32		14.8		8.38	14.11	5.69
13.0	0750	4.0			0.47	1.9		8.1	8.5			0.20		8.1		13.02	13.86	9.30
13.0	0750	5.0			0.42	1.5		7.7	7.7			0.13		3.8		19.15	13.62	14.04
13.0	0750	6.0			0.38	1.3		7.5	7.3			0.05		0.0		22.30	13.45	16.50
13.0	0750	7.0			0.38	1.3		7.4	7.1			0.04		0.0		22.87	13.39	16.95
13.0	0750	8.0			0.39	1.4		7.4	7.1			0.04		0.0		23.54	13.32	17.48
13.0	0750	9.0			0.42	1.6		7.3	6.9			0.04		0.0		23.85	13.30	17.72
13.0	0750	10.0			0.45	1.8		7.3	6.9			0.05		0.0		24.38	13.25	18.14
13.0	0750	11.0	2.8	0.65	0.45	1.8		7.3	7.0			0.06		0.4		25.07	13.18	18.68
15.0	0713	1.0	4.1	0.43	0.62	2.8	9.8	9.0	10.1		6.6	0.05		0.0	1.0	7.72	14.21	5.16
15.0	0713	2.0			0.58	2.6		9.0	10.0			0.06		0.0		8.34	14.00	5.67
15.0	0713	3.0			0.54	2.3		8.9	9.9			0.06		0.2		8.54	13.96	5.83
15.0	0713	4.0			0.49	2.0		8.5	9.1			0.06		0.4		12.87	13.91	9.17
15.0	0713	5.0			0.44	1.7		7.9	8.1			0.03		0.0		19.22	13.76	14.07

LOCATION: North San Francisco Bay
 DATE: March 31, 1993
 JULIAN DAY: 93090
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ #PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a			CHL a	OXYG		OXYG		SPM		SPM				
15.0	0713	6.0			0.41	1.5		7.8	7.8		0.02		0.0		20.79	13.55	15.32
15.0	0713	7.0			0.39	1.4		7.7	7.6		0.02		0.0		22.46	13.42	16.63
15.0	0713	8.0			0.39	1.4		7.6	7.6		0.02		0.0		22.91	13.38	16.98
15.0	0713	9.0			0.39	1.4		7.5	7.4		0.02		0.0		23.24	13.35	17.24
15.0	0713	10.0			0.38	1.3		7.4	7.2		0.03		0.0		24.06	13.24	17.89
15.0	0713	11.0			0.40	1.4		7.4	7.1		0.03		0.0		24.83	13.16	18.50
15.0	0713	12.0			0.40	1.4		7.3	7.0		0.03		0.0		25.26	13.12	18.84
15.0	0713	13.0			0.40	1.4		7.2	6.9		0.03		0.0		26.31	12.99	19.68
15.0	0713	14.0			0.39	1.4		7.2	6.8		0.03		0.0		26.49	12.96	19.82
15.0	0713	15.0			0.39	1.3		7.2	6.8		0.03		0.0		26.59	12.95	19.90
15.0	0713	16.0			0.38	1.3		7.2	6.8		0.03		0.0		26.64	12.95	19.93
15.0	0713	17.0			0.38	1.3		7.2	6.7		0.03		0.0		26.66	12.94	19.95
15.0	0713	18.0			0.38	1.3		7.1	6.7		0.03		0.0		26.67	12.94	19.96
15.0	0713	19.0			0.37	1.3		7.2	6.7		0.03		0.0		26.70	12.94	19.99
15.0	0713	20.0			0.37	1.3		7.1	6.7		0.03		0.0		26.74	12.94	20.01
15.0	0713	21.0			0.38	1.3		7.1	6.6		0.03		0.0		26.74	12.93	20.02
15.0	0713	22.0			0.41	1.5		7.1	6.5		0.03		0.0		26.84	12.92	20.10
15.0	0713	23.0			0.43	1.6		7.0	6.5		0.04		0.0		27.30	12.86	20.46
15.0	0713	24.0			0.44	1.7		7.0	6.5		0.07		0.6		27.37	12.85	20.51
15.0	0713	25.0	1.6	0.38	0.44	1.7		7.1	6.5		0.09		1.7		27.40	12.85	20.54
12.5	0802	1.0	2.2	0.35	0.71	3.4		9.0	10.1	11.1	0.50		24.6	2.8	3.59	13.82	2.05
12.5	0802	2.0			0.61	2.7		9.1	10.2		0.41		19.5		4.11	13.69	2.47
12.5	0802	3.0			0.55	2.4		8.9	10.0		0.22		8.9		6.63	13.96	4.36
12.5	0802	4.0			0.51	2.2		8.4	9.0		0.12		3.3		10.06	14.04	6.99
12.5	0802	5.0			0.51	2.2		7.8	7.9		0.06		0.0		18.32	13.66	13.40
12.5	0802	6.0			0.52	2.2		7.6	7.4		0.13		3.9		21.23	13.55	15.66
12.5	0802	7.0			0.52	2.2		7.5	7.3		0.18		6.7		22.59	13.43	16.73
12.5	0802	8.0	1.0	0.19	0.52	2.2		7.5	7.3		0.12		3.7		23.18	13.41	17.19

LOCATION: North San Francisco Bay
 DATE: March 31, 1993
 JULIAN DAY: 93090
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ #PMA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1530	1.0	4.7	0.65	0.60	2.7	9.2	8.4	8.9	5.0	0.21	8.3	0.9	16.21	14.39	11.65	
18.0	1530	2.0			0.62	2.8		8.3	8.7		0.03	0.0		16.00	14.45	11.48	
18.0	1530	3.0			0.60	2.7		8.2	8.5		0.02	0.0		17.08	14.19	12.36	
18.0	1530	4.0			0.54	2.3		8.1	8.4		0.02	0.0		18.29	13.99	13.32	
18.0	1530	5.0			0.48	2.0		7.9	8.2		0.02	0.0		18.74	13.88	13.69	
18.0	1530	6.0			0.45	1.7		7.9	8.0		0.03	0.0		19.34	13.79	14.16	
18.0	1530	7.0			0.42	1.6		7.8	7.8		0.04	0.0		20.18	13.66	14.83	
18.0	1530	8.0			0.41	1.5		7.7	7.7		0.04	0.0		21.08	13.59	15.53	
18.0	1530	9.0			0.40	1.4		7.6	7.6		0.05	0.0		21.74	13.53	16.06	
18.0	1530	10.0			0.39	1.4		7.5	7.4		0.05	0.0		22.32	13.45	16.52	
18.0	1530	11.0			0.40	1.4		7.5	7.3		0.07	0.6		23.43	13.32	17.40	
18.0	1530	12.0			0.40	1.5		7.5	7.3		0.07	0.6		23.91	13.26	17.78	
18.0	1530	13.0			0.40	1.5		7.3	7.1		0.06	0.2		24.27	13.20	18.06	
18.0	1530	14.0			0.40	1.4		7.2	6.9		0.07	0.6		25.46	13.05	19.01	
18.0	1530	15.0			0.40	1.4		7.2	6.7		0.10	2.2		26.74	12.90	20.02	
18.0	1530	16.0			0.41	1.5		7.1	6.7		0.16	5.7		27.36	12.82	20.51	
18.0	1530	17.0			0.41	1.5		7.1	6.7		0.20	8.0		27.73	12.77	20.81	
18.0	1530	18.0			0.42	1.6		7.1	6.6		0.22	8.8		27.79	12.76	20.86	
18.0	1530	19.0			0.43	1.6		7.1	6.6		0.21	8.8		27.92	12.74	20.97	
18.0	1530	20.0			0.42	1.5		7.1	6.6		0.19	7.4		28.11	12.71	21.11	
18.0	1530	21.0			0.42	1.5		7.1	6.5		0.18	6.8		28.31	12.69	21.27	
18.0	1530	22.0	3.6	0.42	0.42	1.6		7.0	6.5		0.19	7.1		28.63	12.64	21.53	
18.0	1530	23.0			0.42	1.6		7.0	6.4		0.22	8.9		28.79	12.62	21.66	
18.0	1530	24.0			0.42	1.5		7.0	6.4		0.23	9.7		28.92	12.60	21.76	
18.0	1530	25.0			0.41	1.5		6.9	6.3		0.25	10.5		29.11	12.58	21.92	
18.0	1530	26.0			0.41	1.5		6.9	6.2		0.26	11.6		29.58	12.50	22.30	
18.0	1530	27.0			0.41	1.5		6.8	6.1		0.24	10.4		30.31	12.40	22.88	
18.0	1530	28.0			0.41	1.5		6.8	6.2		0.24	10.0		30.41	12.39	22.96	
18.0	1530	29.0			0.42	1.5		6.8	6.1		0.23	9.5		30.43	12.39	22.98	
18.0	1530	30.0			0.42	1.5		6.8	6.1		0.22	9.1		30.58	12.37	23.09	
18.0	1530	31.0			0.42	1.5		6.8	6.1		0.23	9.8		30.63	12.36	23.13	

LOCATION: North San Francisco Bay

DATE: March 31, 1993

JULIAN DAY: 93090

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT	
18.0	1530	32.0			0.41	1.5	6.8	6.1	9.9	0.23	9.9		30.63	12.36	23.13	
18.0	1530	33.0			0.41	1.5	6.8	6.1	10.3	0.24	10.3		30.66	12.36	23.15	
18.0	1530	34.0			0.41	1.5	6.8	6.0	11.8	0.27	11.8		30.69	12.35	23.18	
18.0	1530	35.0			0.40	1.4	6.8	6.0	10.8	0.25	10.8		30.82	12.34	23.28	
18.0	1530	36.0			0.41	1.5	6.7	6.0	10.3	0.24	10.3		30.89	12.32	23.34	
18.0	1530	37.0			0.41	1.5	6.8	6.0	12.1	0.27	12.1		30.99	12.31	23.42	
18.0	1530	38.0			0.40	1.4	6.7	5.9	9.3	0.22	9.3		31.08	12.29	23.49	
18.0	1530	39.0			0.39	1.3	6.7	5.9	7.9	0.20	7.9		31.14	12.28	23.54	
18.0	1530	40.0			0.40	1.4	6.7	5.9	8.0	0.20	8.0		31.21	12.27	23.60	
18.0	1530	41.0			0.40	1.4	6.7	5.9	6.2	0.17	6.2		31.28	12.26	23.65	
18.0	1530	42.0			0.39	1.4	6.7	5.9	4.6	0.14	4.6		31.31	12.25	23.68	
18.0	1530	43.0			0.40	1.4	6.7	5.9	3.6	0.12	3.6		31.32	12.25	23.68	
18.0	1530	44.0			0.40	1.4	6.7	5.9	3.0	0.11	3.0		31.32	12.25	23.69	
18.0	1530	45.0			0.39	1.4	6.7	5.9	3.3	0.12	3.3		31.33	12.25	23.70	
.....																
							n	r ²	Slope	Inter.				Std. Err.		
Fluorometer Calibration:							16	0.345	6.396	-1.130			0.802			
OBS Calibration:							16	0.947	55.939	-3.216			7.343			
Dissolved Oxygen Calibration:							7	0.559	1.816	-6.278			0.812			

Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples. Stn 18 profile collected on 30 Mar 93 not on the 31st.

LOCATION: Non-standard stations: San Francisco Bay

DATE: April 1, 1993

JULIAN DAY: 93091

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.0	1943	1.0			1.92	22.5		9.3	10.5		0.06	3.7		18.78	15.43	13.43
29.0	1943	2.0			1.94	22.7		9.2	10.4		0.16	8.5		18.93	15.45	13.54
29.0	1943	3.0			1.97	23.2		9.1	10.2		0.12	6.7		19.03	15.45	13.62
29.0	1943	4.0			2.07	24.6		9.0	10.1		0.09	5.2		19.10	15.45	13.66
29.0	1943	5.0			2.20	26.4		9.0	10.1		0.09	4.9		19.13	15.46	13.69
29.0	1943	6.0			2.21	26.5		9.0	10.0		0.09	5.3		19.18	15.45	13.73
29.0	1943	7.0			2.18	26.1		9.0	10.0		0.10	5.6		19.19	15.45	13.74
29.0	1943	8.0			2.17	26.0		9.0	10.0		0.13	6.7		19.20	15.44	13.74
29.0	1943	10.0			2.10	25.0		8.9	10.0		0.14	7.4		19.21	15.45	13.76
29.0	1943	11.0			2.10	25.0		8.9	9.9		0.16	8.5		19.21	15.45	13.76
29.0	1943	12.0			2.20	26.4		8.9	9.9		0.19	9.5		19.21	15.45	13.75
29.0	1943	13.0			2.47	30.1		8.9	10.0		0.28	13.7		19.21	15.45	13.75
29.0	1943	14.0			2.51	30.6		9.0	10.0		0.30	14.7		19.21	15.45	13.75
27.0	1812	1.0			1.78	20.6		9.6	11.1		0.01	1.5	1.0	18.72	15.50	13.37
27.0	1812	2.0			1.79	20.7		9.6	11.1		0.01	1.4		18.75	15.51	13.39
27.0	1812	3.0			1.76	20.3		9.6	11.1		0.01	1.5		18.74	15.50	13.38
27.0	1812	4.0			1.74	20.0		9.6	11.1		0.01	1.3		18.75	15.51	13.39
27.0	1812	5.0			1.78	20.6		9.5	10.9		0.01	1.5		18.85	15.50	13.47
27.0	1812	6.0			1.88	22.0		9.4	10.8		0.02	2.0		19.01	15.48	13.59
27.0	1812	7.0			1.92	22.5		9.4	10.7		0.04	2.9		19.04	15.48	13.62
27.0	1812	8.0			1.93	22.7		9.3	10.7		0.05	3.4		19.11	15.46	13.67
27.0	1812	9.0			2.01	23.7		9.3	10.6		0.07	4.3		19.13	15.46	13.69
27.0	1812	10.0			2.08	24.7		9.3	10.6		0.09	5.3		19.16	15.45	13.71
27.0	1812	11.0			2.13	25.4		9.3	10.6		0.11	6.1		19.16	15.45	13.71
27.0	1812	12.0			2.16	25.8		9.3	10.6		0.15	7.7		19.17	15.45	13.72
27.0	1812	13.0			2.21	26.5		9.3	10.6		0.20	10.0		19.17	15.44	13.72
27.0	1812	14.0			2.22	26.7		9.3	10.6		0.24	12.3		19.17	15.45	13.72

LOCATION: Non-standard stations: San Francisco Bay

DATE: April 1, 1993

JULIAN DAY: 93091

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a	CHL a/	FLUOR	CALC	DISCR		OXYG	OXYG	CALC	DISCR		OBS	CALC	SPH	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a/					OXYG	OXYG				SPM	SPM							
24.0	1724	1.0	12.5	0.69	1.20	12.5	10.4	9.2	10.4	6.4	0.00	0.9	18.80	14.88	13.55							
24.0	1724	2.0	1.11	11.3	0.94	8.9	8.7	8.7	9.5	0.01	1.6	19.87	14.66	14.41								
24.0	1724	3.0	0.76	6.4	0.70	5.6	8.3	8.3	8.8	0.01	1.4	20.73	14.44	15.11								
24.0	1724	4.0	0.67	5.1	0.63	4.6	8.0	8.0	8.2	0.01	1.4	21.97	14.17	16.11								
24.0	1724	5.0	0.56	3.6	0.57	3.8	7.8	7.8	7.9	0.02	1.8	22.64	14.02	16.66								
24.0	1724	6.0	0.56	3.6	0.55	3.5	7.7	7.7	7.7	0.04	2.8	23.28	13.86	17.18								
24.0	1724	7.0	0.56	3.6	0.55	3.5	7.6	7.6	7.5	0.05	3.4	23.75	13.75	17.56								
24.0	1724	8.0	0.56	3.6	0.55	3.5	7.5	7.5	7.4	0.06	3.9	24.05	13.68	17.80								
24.0	1724	9.0	0.56	3.6	0.56	3.6	7.5	7.5	7.3	0.08	4.5	24.23	13.64	17.95								
24.0	1724	10.0	0.56	3.6	0.56	3.6	7.5	7.5	7.4	0.09	5.2	24.34	13.61	18.04								
24.0	1724	11.0	0.56	3.6	0.56	3.6	7.6	7.6	7.5	0.12	6.4	24.42	13.61	18.10								
4.0	1046	1.0	0.39	1.3	0.39	1.3	0.39	1.3	1.3	0.73	34.7	2.9	0.07	13.70	0.00							
4.0	1046	2.0	0.39	1.3	0.39	1.3	0.39	1.3	1.3	0.69	32.9		0.07	13.71	0.00							
4.0	1046	3.0	0.40	1.4	0.40	1.4	0.40	1.4	1.4	0.68	32.6		0.07	13.71	0.00							
4.0	1046	4.0	0.41	1.5	0.41	1.5	0.41	1.5	1.5	0.69	33.0		0.07	13.64	0.00							
4.0	1046	5.0	0.41	1.6	0.41	1.6	0.41	1.6	1.6	0.68	32.3		0.07	13.46	0.00							
4.0	1046	6.0	0.41	1.6	0.41	1.6	0.41	1.6	1.6	0.71	34.1		0.07	13.45	0.00							
4.0	1046	7.0	0.41	1.6	0.41	1.6	0.41	1.6	1.6	0.79	37.5		0.07	13.37	0.00							
4.0	1046	8.0	0.41	1.5	0.41	1.5	0.41	1.5	1.5	0.82	38.9		0.07	13.31	0.00							
4.0	1046	9.0	0.41	1.5	0.41	1.5	0.41	1.5	1.5	0.90	42.9		0.07	13.19	0.00							
4.0	1046	10.0	0.40	1.5	0.40	1.5	0.40	1.5	1.5	0.99	46.7		0.07	13.14	0.00							
4.0	1046	11.0	0.40	1.4	0.40	1.4	0.40	1.4	1.4	1.07	50.4		0.07	13.13	0.00							
4.0	1046	12.0	0.40	1.5	0.40	1.5	0.40	1.5	1.5	1.15	54.4		0.07	13.13	0.00							
4.0	1046	13.0	0.40	1.5	0.40	1.5	0.40	1.5	1.5	1.18	55.6		0.07	13.15	0.00							
6.0	1143	1.0	0.38	1.1	0.38	1.1	0.38	1.1	1.1	1.06	50.1	4.2	0.07	13.18	0.00							
6.0	1143	2.0	0.38	1.2	0.38	1.2	0.38	1.2	1.2	1.12	53.0		0.07	13.13	0.00							
6.0	1143	3.0	0.38	1.2	0.38	1.2	0.38	1.2	1.2	1.09	51.4		0.07	13.13	0.00							
6.0	1143	4.0	0.39	1.2	0.39	1.2	0.39	1.2	1.2	1.01	48.0		0.07	13.15	0.00							
6.0	1143	5.0	0.39	1.3	0.39	1.3	0.39	1.3	1.3	1.04	49.4		0.07	13.14	0.00							

LOCATION: Non-standard stations: San Francisco Bay

DATE: April 1, 1993

JULIAN DAY: 93091

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
6.0	1143	6.0			0.39	1.3					1.04	49.4		0.07	13.15	0.00
6.0	1143	7.0			0.39	1.3					1.01	48.0		0.07	13.14	0.00
6.0	1143	8.0			0.39	1.3					1.09	51.5		0.07	13.11	0.00
6.0	1143	9.0			0.39	1.3					1.11	52.5		0.07	13.11	0.00
6.0	1143	11.0			0.39	1.3					1.15	54.3		0.07	13.11	0.00
8.0	1242	1.0	1.7	0.50	0.41	1.5				88.3	1.86	87.2	5.1	0.07	13.13	0.00
8.0	1242	2.0			0.41	1.5					1.86	87.2		0.07	13.08	0.00
8.0	1242	3.0			0.42	1.6					1.92	90.1		0.07	13.07	0.00
8.0	1242	4.0			0.41	1.6					1.96	91.8		0.07	13.05	0.00
8.0	1242	5.0			0.41	1.6					1.95	91.6		0.07	13.05	0.00
8.0	1242	6.0			0.41	1.6					2.01	94.0		0.07	13.06	0.00
8.0	1242	7.0			0.41	1.6					2.04	95.7		0.07	13.06	0.00
8.0	1242	8.0			0.42	1.6					2.09	97.8		0.07	13.04	0.00
8.0	1242	9.0			0.42	1.7					2.12	99.2		0.07	13.04	0.00
8.0	1242	10.0			0.42	1.7					2.16	101.1		0.07	13.04	0.00
8.0	1242	11.0			0.43	1.8					2.15	100.9		0.07	13.04	0.00
8.0	1242	12.0			0.45	2.2					2.17	101.6		0.08	13.14	0.00
8.0	1242	13.0			0.48	2.5					1.97	92.6		0.08	13.30	0.00
8.0	1242	14.0			0.50	2.8					1.43	67.2		0.08	13.48	0.00
8.0	1242	15.0			0.50	2.8					0.92	43.5		0.09	13.65	0.00
18.0	1608	1.0			0.66	5.0		8.5	9.1		0.02	1.7	0.9	16.28	14.07	11.76
18.0	1608	2.0			0.66	5.1		8.4	9.0		0.02	1.8		16.60	14.00	12.02
18.0	1608	3.0			0.65	4.9		8.4	8.9		0.02	1.9		16.83	13.94	12.21
18.0	1608	4.0			0.64	4.8		8.3	8.8		0.03	2.3		17.14	13.88	12.45
18.0	1608	5.0			0.64	4.8		8.2	8.7		0.04	2.8		17.73	13.83	12.91
18.0	1608	6.0			0.62	4.5		8.2	8.5		0.04	2.7		18.16	13.76	13.26
18.0	1608	7.0			0.61	4.4		8.1	8.4		0.04	2.9		18.68	13.71	13.67
18.0	1608	8.0			0.61	4.3		8.1	8.4		0.04	2.8		18.93	13.71	13.86
18.0	1608	9.0			0.60	4.2		8.0	8.3		0.04	2.8		19.07	13.70	13.97

LOCATION: Non-standard stations: San Francisco Bay

DATE: April 1, 1993

JULIAN DAY: 93091

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPH	OBS	CALC SPH	EXCOF	SALIN	TEMP	SIGT
18.0	1608	10.0		0.58	4.0	8.0	8.2	0.04	2.9	19.41	13.67	14.23				
18.0	1608	11.0		0.56	3.7	8.0	8.2	0.05	3.1	19.91	13.55	14.65				
18.0	1608	12.0		0.56	3.6	7.9	8.1	0.05	3.1	20.81	13.59	15.33				
18.0	1608	13.0		0.58	3.9	7.9	8.0	0.05	3.2	21.09	13.66	15.53				
18.0	1608	14.0		0.58	3.9	7.8	7.8	0.05	3.3	21.31	13.51	15.73				
18.0	1608	15.0		0.57	3.8	7.7	7.7	0.05	3.4	21.94	13.42	16.23				
18.0	1608	16.0		0.57	3.8	7.7	7.7	0.06	3.6	22.23	13.41	16.45				
18.0	1608	17.0		0.57	3.8	7.7	7.6	0.06	3.8	22.33	13.40	16.53				
18.0	1608	18.0		0.57	3.8	7.6	7.6	0.07	4.1	22.53	13.38	16.69				
18.0	1608	19.0		0.57	3.8	7.6	7.5	0.07	4.0	22.68	13.34	16.81				
18.0	1608	20.0		0.56	3.7	7.6	7.5	0.07	4.3	22.72	13.31	16.85				
18.0	1608	21.0		0.55	3.6	7.6	7.5	0.07	4.0	22.86	13.29	16.96				
18.0	1608	22.0		0.54	3.4	7.5	7.4	0.07	4.1	23.03	13.28	17.09				
18.0	1608	23.0		0.56	3.6	7.5	7.4	0.07	4.3	23.19	13.26	17.22				
18.0	1608	24.0		0.55	3.5	7.5	7.3	0.07	4.2	23.48	13.24	17.45				
18.0	1608	25.0		0.52	3.1	7.5	7.3	0.07	4.2	23.57	13.24	17.51				
18.0	1608	26.0		0.52	3.1	7.4	7.2	0.07	4.2	23.63	13.23	17.57				
18.0	1608	27.0		0.51	2.9	7.2	6.8	0.07	4.1	23.75	13.19	17.66				
18.0	1608	28.0		0.48	2.6	7.0	6.4	0.06	3.8	27.10	12.70	20.34				
18.0	1608	29.0		0.46	2.3	6.9	6.2	0.06	3.6	29.64	12.47	22.34				
18.0	1608	30.0		0.46	2.2	6.9	6.2	0.07	4.0	29.50	12.48	22.23				
18.0	1608	31.0		0.45	2.1	6.9	6.2	0.07	4.1	29.61	12.46	22.33				
18.0	1608	32.0		0.44	2.0	6.8	6.1	0.06	3.9	29.66	12.45	22.36				
18.0	1608	33.0		0.44	2.0	6.8	6.2	0.06	3.9	29.71	12.45	22.40				
18.0	1608	34.0		0.44	2.0	6.8	6.1	0.06	3.7	29.73	12.44	22.42				
18.0	1608	35.0		0.43	1.9	6.8	6.1	0.06	3.8	29.75	12.44	22.43				
18.0	1608	36.0		0.45	2.1	6.8	6.1	0.06	3.8	29.75	12.44	22.44				
18.0	1608	37.0		0.46	2.2	6.8	6.1	0.06	3.7	29.76	12.44	22.44				
18.0	1608	38.0		0.45	2.1	6.8	6.1	0.06	3.7	29.76	12.44	22.44				
18.0	1608	39.0		0.43	1.9	6.8	6.1	0.06	3.8	29.79	12.43	22.47				
18.0	1608	40.0		0.43	1.8	6.8	6.1	0.05	3.6	29.84	12.43	22.51				
18.0	1608			0.43	1.8	6.8	6.1	0.05	3.4	29.86	12.42	22.53				

LOCATION: Non-standard stations: San Francisco Bay

DATE: April 1, 1993

JULIAN DAY: 93091

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR		CALC OXYG	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a															
18.0	1608	41.0			0.44	2.0	6.8	6.0	0.06	3.7	29.90	12.42	22.55						
18.0	1608	42.0			0.45	2.1	6.8	6.1	0.06	3.6	29.91	12.42	22.56						
18.0	1608	43.0			0.44	2.0	6.8	6.0	0.06	3.6	29.92	12.41	22.57						
18.0	1608	44.0			0.44	2.0	6.8	6.0	0.06	3.7	29.97	12.40	22.61						
18.0	1608	45.0			0.44	2.0	6.8	6.0	0.07	4.0	30.07	12.39	22.69						
18.0	1608	46.0			0.46	2.3	6.7	6.0	0.07	4.3	30.13	12.38	22.74						
18.0	1608	47.0			0.47	2.3	6.7	6.0	0.09	5.3	30.20	12.37	22.80						
21.0	1651	1.0			0.77	6.5	8.9	9.8	0.07	4.1	1.1	11.41	14.05	8.02					
21.0	1651	2.0			0.76	6.4	8.8	9.6	0.06	3.8	13.00	14.08	9.24						
21.0	1651	3.0			0.79	6.8	8.7	9.5	0.06	3.5	14.13	14.09	10.11						
21.0	1651	4.0			0.80	7.0	8.6	9.4	0.05	3.3	14.76	14.07	10.59						
21.0	1651	5.0			0.76	6.5	8.5	9.2	0.05	3.1	15.40	14.06	11.09						
21.0	1651	6.0			0.72	5.9	8.4	8.9	0.04	2.6	16.88	13.99	12.24						
21.0	1651	7.0			0.65	4.9	8.1	8.4	0.03	2.4	18.73	13.88	13.68						
21.0	1651	8.0			0.58	4.0	7.8	7.8	0.04	3.0	22.24	13.77	16.39						
21.0	1651	9.0			0.55	3.5	7.7	7.7	0.05	3.4	23.02	13.73	17.00						
21.0	1651	10.0			0.54	3.3	7.6	7.5	0.06	3.8	23.36	13.72	17.27						
21.0	1651	11.0			0.52	3.1	7.5	7.3	0.06	3.8	23.82	13.62	17.64						
21.0	1651	12.0			0.50	2.9	7.4	7.2	0.06	3.7	24.20	13.51	17.95						
21.0	1651	13.0			0.51	2.9	7.3	7.1	0.10	5.7	24.62	13.39	18.30						
21.0	1651	14.0			0.52	3.1	7.3	6.9	0.15	7.7	25.03	13.35	18.62						
21.0	1651	15.0			0.52	3.0	7.2	6.8	0.16	8.2	25.24	13.27	18.80						
757	0716	1.0	0.6	0.29	0.35	0.7	5.9		0.30	15.0	2.0	13.24	0.00						
757	0716	2.0			0.34	0.6			0.30	15.0		13.23	0.00						
757	0716	3.0			0.34	0.6			0.30	14.8		13.23	0.00						
757	0716	4.0			0.34	0.6			0.30	14.9		13.23	0.00						
757	0716	5.0			0.34	0.6			0.31	15.1		13.23	0.00						
757	0716	6.0			0.34	0.6			0.30	14.9		13.23	0.00						
757	0716	7.0			0.34	0.6			0.30	15.0		13.23	0.00						

LOCATION: Non-standard stations: San Francisco Bay

DATE: April 1, 1993

JULIAN DAY: 93091

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/	FLUOR	CHL a	CALC	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
757	0716	8.0			0.34	0.6								15.3	0.31	15.3		0.07	13.23	0.00	
757	0716	9.0			0.34	0.7								15.3	0.31	15.3		0.07	13.23	0.00	
757	0716	10.0			0.35	0.7								15.3	0.31	15.3		0.07	13.23	0.00	
757	0716	11.0			0.35	0.7								15.2	0.31	15.2		0.07	13.23	0.00	
757	0716	12.0			0.35	0.7								15.3	0.31	15.3		0.07	13.23	0.00	
757	0716	13.0			0.35	0.7								15.2	0.31	15.2		0.07	13.23	0.00	
757	0716	14.0	0.6	0.35	0.35	0.7			18.2					15.6	0.32	15.6		0.07	13.23	0.00	
746	0932	1.0			0.36	0.9								20.4	0.42	20.4	2.4	0.08	13.93	0.00	
746	0932	2.0			0.36	0.9								19.3	0.40	19.3		0.08	13.92	0.00	
746	0932	3.0			0.36	0.9								19.6	0.40	19.6		0.08	13.90	0.00	
746	0932	4.0			0.37	0.9								19.3	0.40	19.3		0.08	13.89	0.00	
746	0932	5.0			0.37	1.0								19.8	0.41	19.8		0.08	13.89	0.00	
746	0932	6.0			0.37	1.1								19.5	0.40	19.5		0.08	13.88	0.00	
746	0932	7.0			0.37	1.0								19.5	0.40	19.5		0.08	13.88	0.00	
746	0932	8.0			0.37	1.0								19.4	0.40	19.4		0.08	13.86	0.00	
746	0932	9.0			0.37	1.0								19.3	0.40	19.3		0.08	13.86	0.00	
746	0932	10.0			0.37	1.0								19.1	0.39	19.1		0.08	13.85	0.00	
746	0932	11.0			0.37	1.0								18.8	0.38	18.8		0.08	13.85	0.00	

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	4	0.999	13.861	-4.115	0.172
OBS Calibration:	4	0.974	46.438	0.920	7.791
Dissolved Oxygen Calibration:	7	0.559	1.816	-6.278	0.812

Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples collected on 30 & 31 March 93.

LOCATION: South San Francisco Bay
 DATE: April 6, 1993
 JULIAN DAY: 93096
 Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/		DISCR		CHL a		DISCR		CHL a		EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a	FLUOR	CHL a	OXYG	OXYG	OXYG	OXYG	SPM	OBS	SPM	CALC				
36.0	1458	1.0	22.0	0.48	2.62	27.1	9.4	7.4	9.2	35.1	0.47	38.6	3.4	15.72	17.21	10.73		
36.0	1458	2.0			2.61	27.0		7.3	9.1		0.46	38.0		15.60	17.30	10.62		
36.0	1458	3.0			2.47	25.5		7.0	8.9		0.49	39.4		16.40	16.44	11.41		
36.0	1458	4.0			2.34	24.1		6.9	8.9		0.62	48.3		16.64	16.14	11.65		
36.0	1458	5.0			2.31	23.7		6.9	8.9		0.74	56.0		16.80	16.12	11.78		
36.0	1458	6.0			2.29	23.5		7.0	8.9		0.76	57.4		16.91	16.14	11.86		
36.0	1458	7.0			2.29	23.5		7.0	9.0		0.78	59.1		16.94	16.07	11.90		
36.0	1458	8.0			2.36	24.2		7.0	9.0		0.83	61.9		16.98	16.09	11.92		
36.0	1458	9.0	20.6	0.50	2.37	24.3		7.0	9.0		0.99	72.9		17.03	16.12	11.95		
35.0	1448	1.0			2.24	22.9		7.4	9.2		0.72	55.0	3.9	16.84	16.37	11.76		
35.0	1448	2.0			2.21	22.6		7.5	9.2		0.64	49.4		16.95	16.50	11.82		
35.0	1448	3.0			2.19	22.4		7.5	9.2		0.55	43.5		17.06	16.60	11.88		
35.0	1448	4.0			2.22	22.8		7.4	9.2		0.52	42.0		17.13	16.56	11.94		
35.0	1448	5.0			2.24	22.9		7.5	9.2		0.46	37.9		17.19	16.43	12.02		
35.0	1448	6.0			2.22	22.7		7.6	9.3		0.47	38.2		17.22	16.39	12.05		
35.0	1448	7.0			2.15	21.9		7.4	9.2		0.42	35.0		17.34	16.52	12.11		
35.0	1448	8.0			2.07	21.0		7.4	9.2		0.40	33.6		17.41	16.26	12.21		
35.0	1448	9.0			2.10	21.3		7.5	9.2		0.45	37.3		17.43	16.18	12.24		
35.0	1448	10.0			2.11	21.5		7.5	9.2		0.53	42.6		17.49	16.18	12.29		
34.0	1436	1.0			2.16	22.1		7.9	9.4		0.46	38.0	3.1	17.34	16.51	12.11		
34.0	1436	2.0			2.17	22.1		7.8	9.4		0.47	38.4		17.35	16.50	12.12		
34.0	1436	3.0			2.18	22.3		7.6	9.3		0.47	38.2		17.45	16.35	12.23		
34.0	1436	4.0			2.15	21.9		7.6	9.3		0.47	38.4		17.58	16.17	12.36		
34.0	1436	5.0			2.15	21.9		7.6	9.3		0.48	39.0		17.62	16.10	12.41		
34.0	1436	6.0			2.20	22.5		7.6	9.3		0.59	46.2		17.63	16.08	12.42		
34.0	1436	7.0			2.23	22.8		7.6	9.3		0.70	53.7		17.64	16.07	12.43		
34.0	1436	8.0			2.24	22.9		7.6	9.3		0.80	60.1		17.64	16.06	12.43		
34.0	1436	9.0			2.24	22.9		7.6	9.3		0.89	66.0		17.65	16.05	12.44		
34.0	1436	10.0			2.30	23.7		7.6	9.3		1.00	73.8		17.68	16.04	12.46		

LOCATION: South San Francisco Bay

DATE: April 6, 1993

JULIAN DAY: 93096

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EKCOF	SALIN	TEMP	SIGT
34.0	1436	11.0			2.33	23.9		7.6	9.3		1.10	79.7		17.67	16.04	12.46
33.0	1420	1.0			1.87	18.9		8.0	9.5		0.34	29.8	2.7	17.57	16.80	12.23
33.0	1420	2.0			1.84	18.5		7.9	9.4		0.29	26.3		17.69	16.41	12.40
33.0	1420	3.0			1.73	17.3		7.9	9.4		0.25	23.6		17.83	16.25	12.54
33.0	1420	4.0			1.61	15.9		7.9	9.4		0.22	21.6		17.92	16.20	12.61
33.0	1420	5.0			1.58	15.6		7.9	9.4		0.24	23.3		18.02	16.12	12.71
33.0	1420	6.0			1.60	15.9		7.9	9.4		0.31	27.5		18.13	16.00	12.82
33.0	1420	7.0			1.64	16.3		7.9	9.4		0.34	29.7		18.17	15.94	12.86
33.0	1420	8.0			1.70	17.0		7.9	9.5		0.40	33.5		18.18	15.92	12.87
33.0	1420	9.0			1.72	17.1		7.9	9.5		0.45	36.9		18.19	15.91	12.88
33.0	1420	10.0			1.71	17.1		7.9	9.5		0.47	38.2		18.20	15.90	12.89
33.0	1420	11.0			1.72	17.2		7.9	9.5		0.50	40.2		18.20	15.90	12.89
33.0	1420	12.0			1.77	17.7		7.9	9.5		0.51	41.4		18.20	15.89	12.90
33.0	1420	13.0			1.86	18.7		7.9	9.5		0.54	43.0		18.20	15.88	12.90
33.0	1420	14.0			1.87	18.8		7.9	9.5		0.65	50.6		18.20	15.88	12.89
32.0	1410	1.0	18.4	0.56	1.76	17.6	9.4	8.3	9.7	21.2	0.24	23.1	2.1	17.88	16.46	12.53
32.0	1410	2.0			1.76	17.6		8.3	9.7		0.23	22.6		17.81	16.52	12.47
32.0	1410	3.0			1.80	18.1		8.2	9.6		0.24	23.2		17.74	16.58	12.40
32.0	1410	4.0			1.77	17.7		8.2	9.6		0.24	23.0		17.91	16.41	12.56
32.0	1410	5.0			1.74	17.4		8.2	9.6		0.24	23.3		18.05	16.38	12.68
32.0	1410	6.0			1.76	17.6		8.2	9.6		0.23	22.6		18.09	16.29	12.73
32.0	1410	7.0			1.74	17.4		8.1	9.6		0.22	21.8		18.10	16.25	12.75
32.0	1410	8.0			1.68	16.8		8.1	9.5		0.24	23.3		18.25	16.08	12.89
32.0	1410	9.0			1.63	16.2		8.1	9.6		0.28	25.6		18.33	16.01	12.97
32.0	1410	10.0	18.0	0.77	1.65	16.4		8.1	9.6		0.33	29.2		18.32	16.00	12.97
31.0	1358	1.0			1.69	16.9		8.1	9.6		0.22	22.2	1.9	18.13	16.27	12.76
31.0	1358	2.0			1.69	16.8		8.1	9.6		0.23	22.4		18.26	16.07	12.90
31.0	1358	3.0			1.59	15.8		8.1	9.6		0.24	22.9		18.31	16.02	12.95

LOCATION: South San Francisco Bay
 DATE: April 6, 1993
 JULIAN DAY: 93096
 SeaBird v4.026

STN	TIME	DEPTH	DISCR		CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a/ a+PHA														
31.0	1358	4.0			1.53	15.0	8.1	9.6	8.1	9.6	0.25	23.7	18.36	15.96			13.01	
31.0	1358	5.0			1.49	14.6	8.2	9.6	8.2	9.6	0.25	24.0	18.41	15.89			13.05	
31.0	1358	6.0			1.48	14.5	8.2	9.6	8.2	9.6	0.26	24.5	18.42	15.86			13.07	
31.0	1358	7.0			1.52	14.9	8.2	9.6	8.2	9.6	0.26	24.8	18.43	15.85			13.08	
31.0	1358	8.0			1.56	15.4	8.2	9.6	8.2	9.6	0.27	25.1	18.43	15.84			13.08	
31.0	1358	9.0			1.60	15.9	8.2	9.6	8.2	9.6	0.28	25.9	18.43	15.84			13.08	
31.0	1358	10.0			1.62	16.0	8.2	9.6	8.2	9.6	0.30	27.1	18.43	15.84			13.08	
31.0	1358	11.0			1.61	16.0	8.2	9.6	8.2	9.6	0.33	29.4	18.43	15.85			13.08	
31.0	1358	12.0			1.61	16.0	8.2	9.6	8.2	9.6	0.35	30.8	18.43	15.85			13.08	
31.0	1358	13.0			1.63	16.2	8.2	9.6	8.2	9.6	0.37	31.9	18.43	15.84			13.08	
31.0	1358	14.0			1.66	16.5	8.2	9.6	8.2	9.6	0.40	33.7	18.43	15.85			13.08	
31.0	1358	15.0			1.65	16.4	8.2	9.6	8.2	9.6	0.43	35.5	18.43	15.85			13.08	
30.0	1340	1.0			1.24	11.9	9.6	9.7	8.3	9.7	0.12	15.5	18.51	16.10	1.8		13.09	
30.0	1340	2.0			1.29	12.4		9.7	8.3	9.7	0.14	16.3	18.48	15.95			13.09	
30.0	1340	3.0			1.32	12.7		9.7	8.3	9.7	0.16	17.6	18.48	15.93			13.09	
30.0	1340	4.0			1.34	13.0		9.7	8.3	9.7	0.17	18.4	18.47	15.90			13.10	
30.0	1340	5.0			1.37	13.3		9.7	8.3	9.7	0.20	20.8	18.46	15.88			13.10	
30.0	1340	6.0			1.39	13.5		9.7	8.3	9.7	0.22	22.2	18.46	15.88			13.10	
30.0	1340	7.0			1.42	13.9		9.7	8.3	9.7	0.23	22.8	18.46	15.86			13.10	
30.0	1340	8.0			1.51	14.8		9.7	8.3	9.7	0.28	25.7	18.45	15.85			13.10	
30.0	1340	9.0			1.59	15.7		9.7	8.3	9.7	0.29	26.5	18.45	15.83			13.10	
30.0	1340	10.0			1.64	16.3		9.7	8.3	9.7	0.30	27.3	18.45	15.83			13.10	
30.0	1340	11.0			1.68	16.8		9.7	8.3	9.7	0.33	29.2	18.46	15.83			13.10	
30.0	1340	12.0			1.72	17.2		9.7	8.3	9.7	0.34	30.0	18.46	15.83			13.10	
30.0	1340	13.0			1.75	17.5		9.7	8.3	9.7	0.39	33.3	18.46	15.82			13.10	
30.0	1340	14.0			1.77	17.7		9.7	8.3	9.7	0.47	38.0	18.45	15.82			13.10	
30.0	1340	15.0			1.83	18.4		9.7	8.3	9.7	0.50	40.3	18.45	15.82			13.10	
30.0	1340	16.0			1.87	18.8		9.7	8.3	9.7	0.50	40.3	18.45	15.82			13.10	
30.0	1340	17.0			1.85	18.6		9.7	8.3	9.7	0.51	41.3	18.45	15.82			13.10	

LOCATION: South San Francisco Bay

DATE: April 6, 1993

JULIAN DAY: 93096

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/	FLUOR	CALC	DISCR		OXYG	OXYG	CALC	OXYG	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	STGT
			CHL a	a+PHA				CHL a	OXYG											
29.5	1328	1.0			1.40	13.6	8.1	9.5	0.09	13.0	1.4	18.51	15.94	13.12						
29.5	1328	2.0			1.44	14.1	8.1	9.6	0.09	13.3		18.49	15.83	13.13						
29.5	1328	3.0			1.42	13.9	8.1	9.6	0.10	13.8		18.49	15.80	13.13						
29.5	1328	4.0			1.51	14.8	8.1	9.6	0.12	15.1		18.49	15.77	13.14						
29.5	1328	5.0			1.59	15.7	8.1	9.6	0.13	15.8		18.49	15.74	13.14						
29.5	1328	6.0			1.63	16.2	8.2	9.6	0.16	17.6		18.49	15.73	13.15						
29.5	1328	7.0			1.72	17.2	8.2	9.6	0.17	18.7		18.49	15.72	13.15						
29.5	1328	8.0			1.88	18.9	8.2	9.6	0.21	21.0		18.49	15.72	13.15						
29.5	1328	9.0			2.03	20.6	8.3	9.6	0.24	23.3		18.48	15.69	13.14						
29.5	1328	10.0			2.07	21.1	8.3	9.7	0.36	31.3		18.47	15.68	13.14						
29.5	1328	11.0			2.12	21.6	8.3	9.7	0.41	34.1		18.47	15.68	13.14						
29.5	1328	12.0			2.15	22.0	8.3	9.7	0.44	36.2		18.47	15.68	13.14						
29.5	1328	13.0			2.21	22.6	8.3	9.7	0.48	39.3		18.47	15.68	13.14						
29.5	1328	14.0			2.35	24.1	8.3	9.7	0.51	40.8		18.47	15.68	13.14						
29.5	1328	15.0			2.43	25.0	8.3	9.7	0.63	49.2		18.47	15.68	13.14						
29.5	1328	16.0			2.39	24.7	8.3	9.7	0.75	57.1		18.47	15.69	13.14						
29.0	1104	1.0			1.41	13.7	8.3	9.7	0.15	17.2	1.8	18.48	15.95	13.09						
29.0	1104	2.0			1.52	14.9	8.3	9.7	0.19	19.8		18.49	15.82	13.13						
29.0	1104	3.0			1.63	16.2	8.3	9.7	0.32	28.5		18.48	15.80	13.13						
29.0	1104	4.0			1.70	16.9	8.3	9.7	0.41	34.5		18.48	15.80	13.13						
29.0	1104	5.0			1.79	18.0	8.3	9.7	0.47	38.7		18.48	15.81	13.12						
29.0	1104	6.0			1.85	18.6	8.3	9.7	0.57	45.3		18.48	15.80	13.13						
29.0	1104	7.0			1.89	19.0	8.3	9.7	0.62	48.0		18.48	15.80	13.13						
29.0	1104	8.0			1.98	20.1	8.3	9.7	0.68	52.3		18.48	15.79	13.12						
29.0	1104	9.0			2.09	21.3	8.3	9.7	0.84	63.1		18.48	15.78	13.13						
29.0	1104	10.0			2.15	22.0	8.3	9.7	1.02	74.7		18.48	15.78	13.13						
29.0	1104	11.0			2.19	22.4	8.4	9.7	1.13	82.3		18.48	15.78	13.13						
29.0	1104	12.0			2.22	22.7	8.4	9.7	1.13	82.2		18.48	15.78	13.13						
29.0	1104	13.0			2.24	23.0	8.4	9.7	1.14	83.0		18.48	15.78	13.12						
29.0	1104	14.0			2.25	23.1	8.4	9.7	1.19	86.3		18.48	15.78	13.12						

LOCATION: South San Francisco Bay

DATE: April 6, 1993

JULIAN DAY: 93096

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OBS	SPM	CALC	EXCOF	SALIN	TEMP	SIGT
29.0	1104	15.0				2.24	22.9		8.4	9.7			1.24		89.6		18.48	15.79	13.12
29.0	1104	16.0				2.24	22.9		8.4	9.7			1.25		89.7		18.47	15.80	13.12
28.0	1052	1.0				1.45	14.2		8.6	9.8			0.17		18.7	1.8	18.52	15.87	13.14
28.0	1052	2.0				1.53	15.1		8.6	9.8			0.19		20.2		18.52	15.70	13.17
28.0	1052	3.0				1.62	16.1		8.6	9.8			0.24		22.9		18.51	15.66	13.18
28.0	1052	4.0				1.66	16.5		8.6	9.8			0.27		25.2		18.51	15.65	13.18
28.0	1052	5.0				1.66	16.6		8.6	9.8			0.30		27.0		18.51	15.70	13.17
28.0	1052	6.0				1.79	17.9		8.6	9.8			0.32		28.5		18.51	15.69	13.17
28.0	1052	7.0				2.07	21.0		8.6	9.8			0.30		27.4		18.51	15.65	13.17
28.0	1052	8.0				2.34	24.0		8.6	9.8			0.34		29.8		18.50	15.64	13.17
28.0	1052	9.0				2.43	25.0		8.6	9.8			0.63		48.8		18.50	15.64	13.17
28.0	1052	10.0				2.49	25.8		8.6	9.8			0.87		65.1		18.50	15.64	13.17
28.0	1052	11.0				2.73	28.3		8.6	9.8			0.99		73.0		18.50	15.65	13.17
28.0	1052	12.0				2.93	30.6		8.6	9.8			1.12		81.4		18.50	15.66	13.17
28.0	1052	13.0				2.93	30.6		8.6	9.8			1.30		93.5		18.50	15.65	13.17
28.0	1052	14.0				2.96	30.9		8.6	9.8			1.68		118.6		18.50	15.65	13.17
28.0	1052	15.0				3.26	34.3		8.6	9.8			1.78		124.9		18.50	15.66	13.17
28.0	1052	16.0				3.45	36.3		8.6	9.8			2.54		175.1		18.50	15.66	13.16
28.0	1052	17.0				3.34	35.2		0.0	5.1			2.57		177.4		18.50	15.66	13.16
27.0	1040	1.0	15.8	0.66		1.50	14.8	9.9	8.7	9.9		30.4	0.31		27.7	1.9	18.48	15.66	13.15
27.0	1040	2.0				1.59	15.7		8.6	9.9			0.25		24.1		18.47	15.59	13.16
27.0	1040	3.0				1.71	17.1		8.7	9.9			0.29		26.6		18.46	15.47	13.17
27.0	1040	4.0				1.94	19.6		8.7	9.9			0.34		30.0		18.45	15.45	13.17
27.0	1040	5.0				2.21	22.6		8.7	9.9			0.64		49.6		18.44	15.41	13.17
27.0	1040	6.0				2.27	23.2		8.7	9.9			0.74		56.3		18.44	15.41	13.17
27.0	1040	7.0				2.29	23.5		8.7	9.9			0.81		61.0		18.44	15.41	13.17
27.0	1040	8.0				2.39	24.6		8.7	9.9			0.88		65.2		18.44	15.40	13.17
27.0	1040	9.0				2.60	27.0		8.7	9.9			0.95		70.5		18.44	15.41	13.17
27.0	1040	10.0				2.82	29.4		8.7	9.9			1.36		97.4		18.43	15.38	13.16

LOCATION: South San Francisco Bay

DATE: April 6, 1993

JULIAN DAY: 93096

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
27.0	1040	11.0				2.98	31.2		8.7	9.9			111.9	1.58			18.43	15.39	13.16
27.0	1040	12.0				3.22	33.8		8.7	9.9			124.5	1.77			18.42	15.38	13.16
27.0	1040	13.0				3.42	36.0		8.7	9.9			159.8	2.30			18.42	15.38	13.16
27.0	1040	14.0		39.0	0.53	3.40	35.8		8.8	9.9			193.1	2.81			18.42	15.38	13.16
26.0	1028	1.0				1.99	20.2		8.8	9.9			40.4	0.50		2.9	18.34	15.25	13.12
26.0	1028	2.0				1.98	20.0		8.8	9.9			42.7	0.54			18.34	15.24	13.13
26.0	1028	3.0				2.05	20.8		8.8	9.9			50.7	0.66			18.34	15.23	13.13
26.0	1028	4.0				2.19	22.4		8.8	9.9			61.1	0.81			18.34	15.23	13.13
26.0	1028	5.0				2.39	24.6		8.8	9.9			68.0	0.92			18.34	15.23	13.13
26.0	1028	6.0				2.53	26.1		8.8	9.9			83.1	1.14			18.34	15.23	13.13
26.0	1028	7.0				2.63	27.3		8.8	9.9			84.6	1.17			18.34	15.23	13.13
26.0	1028	8.0				2.94	30.7		8.8	9.9			104.0	1.46			18.34	15.23	13.13
26.0	1028	9.0				3.34	35.1		8.8	9.9			151.0	2.17			18.35	15.24	13.13
26.0	1028	10.0				3.69	39.0		8.8	9.9			187.5	2.72			18.35	15.24	13.13
26.0	1028	11.0				3.69	39.0		8.8	9.9			218.7	3.19			18.34	15.24	13.13
25.0	1015	1.0				1.89	19.1		9.2	10.1			39.7	0.49		2.5	18.35	15.03	13.17
25.0	1015	2.0				1.99	20.2		9.2	10.2			41.9	0.52			18.35	15.01	13.18
25.0	1015	3.0				2.11	21.4		9.2	10.1			47.2	0.60			18.35	15.00	13.18
25.0	1015	4.0				2.30	23.6		9.2	10.2			58.2	0.77			18.35	15.00	13.18
25.0	1015	5.0				2.45	25.3		9.2	10.2			64.9	0.87			18.35	15.00	13.18
25.0	1015	6.0				2.61	27.1		9.2	10.2			69.8	0.94			18.35	14.99	13.18
25.0	1015	7.0				2.90	30.3		9.2	10.2			83.9	1.16			18.34	15.00	13.18
25.0	1015	8.0				3.10	32.5		9.2	10.2			119.0	1.69			18.34	15.01	13.17
25.0	1015	9.0				3.16	33.2		9.2	10.2			117.5	1.67			18.34	15.01	13.17
25.0	1015	10.0				3.15	33.1		9.2	10.2			122.6	1.74			18.33	15.03	13.16
24.0	1000	1.0		16.7	0.58	1.37	13.3	10.4	8.9	10.0		31.7	25.9	0.28		2.1	18.54	14.75	13.37
24.0	1000	2.0				1.39	13.5		8.9	10.0			26.7	0.29			18.59	14.68	13.42
24.0	1000	3.0				1.40	13.6		8.9	10.0			29.7	0.34			18.59	14.67	13.43

LOCATION: South San Francisco Bay

DATE: April 6, 1993

JULIAN DAY: 93096

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLOOR	CALC	DISCR	OXYG	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a				CHL a	OXYG		OXYG		SPM	SPM		SPM				
24.0	1000	4.0				1.50	14.7	8.8	9.9		8.8	9.9		0.37	31.6		18.64	14.63	13.47
24.0	1000	5.0				1.65	16.4	8.8	9.9		8.8	9.9		0.44	36.4		18.68	14.58	13.51
24.0	1000	6.0				1.74	17.4	8.8	9.9		8.8	9.9		0.47	38.2		18.68	14.58	13.51
24.0	1000	7.0				1.80	18.0	8.8	9.9		8.8	9.9		0.60	47.1		18.70	14.57	13.53
24.0	1000	8.0				1.85	18.6	8.8	9.9		8.8	9.9		0.74	55.9		18.70	14.57	13.53
24.0	1000	9.0				1.86	18.7	8.8	10.0		8.8	10.0		0.92	68.0		18.70	14.57	13.53
24.0	1000	10.0				1.85	18.7	8.8	10.0		8.8	10.0		1.00	73.8		18.70	14.57	13.53
24.0	1000	11.0	21.1	0.44		1.85	18.7	8.8	10.0		8.8	10.0		1.00	73.3		18.70	14.57	13.53
23.0	0947	1.0				1.23	11.7	9.0	10.0		9.0	10.0		0.04	9.6	1.0	18.51	14.75	13.35
23.0	0947	2.0				1.23	11.7	9.0	10.1		9.0	10.1		0.04	9.7		18.57	14.66	13.41
23.0	0947	3.0				1.21	11.5	9.0	10.0		9.0	10.0		0.03	9.5		18.53	14.72	13.37
23.0	0947	4.0				1.16	11.0	8.7	9.9		8.7	9.9		0.04	9.7		18.66	14.57	13.50
23.0	0947	5.0				1.10	10.3	8.6	9.8		8.6	9.8		0.04	9.7		19.05	14.26	13.85
23.0	0947	6.0				1.07	10.0	8.6	9.8		8.6	9.8		0.09	12.9		19.10	14.26	13.89
23.0	0947	7.0				1.11	10.4	8.5	9.8		8.5	9.8		0.29	26.5		19.13	14.24	13.91
23.0	0947	8.0				1.19	11.3	8.6	9.8		8.6	9.8		0.41	34.5		19.16	14.23	13.94
23.0	0947	9.0				1.22	11.6	8.6	9.8		8.6	9.8		0.70	53.6		19.18	14.22	13.96
23.0	0947	10.0				1.26	12.1	8.5	9.8		8.5	9.8		0.87	64.7		19.18	14.21	13.96
23.0	0947	11.0				1.31	12.6	8.5	9.8		8.5	9.8		0.96	70.7		19.18	14.21	13.97
23.0	0947	12.0				1.36	13.2	8.6	9.8		8.6	9.8		1.03	75.8		19.18	14.21	13.97
23.0	0947	13.0				1.47	14.3	8.6	9.8		8.6	9.8		1.16	83.9		19.18	14.22	13.96
23.0	0947	14.0				1.58	15.6	8.5	9.8		8.5	9.8		1.43	101.7		19.18	14.22	13.96
23.0	0947	15.0				1.63	16.2	8.5	9.8		8.5	9.8		1.70	119.7		19.17	14.22	13.95
23.0	0947	16.0				1.67	16.7	8.5	9.8		8.5	9.8		2.06	143.7		19.17	14.22	13.95
23.0	0947	17.0				1.77	17.7	8.5	9.8		8.5	9.8		2.48	171.5		19.17	14.22	13.95
23.0	0947	18.0				1.82	18.3	8.5	9.8		8.5	9.8		3.23	220.8		19.16	14.22	13.94
23.0	0947	19.0				1.80	18.1	8.5	9.8		8.5	9.8		2.57	177.2		19.17	14.22	13.95

LOCATION: South San Francisco Bay

DATE: April 6, 1993

JULIAN DAY: 93096

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PMA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a													
22.0	0933	1.0			0.78	6.7	8.4	9.7	0.09	13.1	1.1	18.27	13.99	13.30			
22.0	0933	2.0			0.78	6.7	8.3	9.7	0.09	13.3		18.39	14.00	13.40			
22.0	0933	3.0			0.76	6.6	8.3	9.7	0.08	12.6		18.64	14.01	13.58			
22.0	0933	4.0			0.77	6.7	8.3	9.7	0.08	12.5		18.83	14.01	13.72			
22.0	0933	5.0			0.83	7.3	8.3	9.7	0.08	12.2		19.06	14.05	13.90			
22.0	0933	6.0			0.88	7.8	8.3	9.7	0.08	12.3		19.38	14.07	14.14			
22.0	0933	7.0			0.89	7.9	8.3	9.7	0.12	14.9		19.64	14.06	14.34			
22.0	0933	8.0			0.87	7.7	8.3	9.7	0.15	17.2		19.67	14.06	14.36			
22.0	0933	9.0			0.87	7.8	8.3	9.7	0.16	17.6		19.67	14.06	14.36			
22.0	0933	10.0			0.91	8.2	8.3	9.7	0.23	22.8		19.78	14.05	14.45			
22.0	0933	11.0			0.95	8.6	8.3	9.6	0.36	31.0		19.88	14.03	14.53			
22.0	0933	12.0			0.98	8.9	8.3	9.6	0.46	37.5		19.99	14.01	14.62			
22.0	0933	13.0			1.01	9.3	8.3	9.6	0.58	45.6		20.06	14.00	14.67			
22.0	0933	14.0			1.08	10.0	8.3	9.6	0.65	50.0		20.11	13.99	14.72			
22.0	0933	15.0			1.12	10.5	8.3	9.6	0.90	66.6		20.17	13.99	14.76			
22.0	0933	16.0			1.11	10.4	8.3	9.6	0.83	62.3		20.17	13.99	14.76			
22.0	0933	17.0			1.11	10.4	8.3	9.6	0.96	71.1		20.18	13.98	14.77			
22.0	0933	18.0			1.15	10.9	8.3	9.6	1.23	88.4		20.20	13.98	14.79			
22.0	0933	19.0			1.17	11.0	8.3	9.6	1.56	110.5		20.20	13.98	14.79			
21.0	0917	1.0	5.7	0.43	0.87	7.7	8.5	9.8	0.09	13.3	1.2	18.78	13.99	13.70			
21.0	0917	2.0			0.89	7.9	8.4	9.7	0.12	15.1		19.18	14.10	13.98			
21.0	0917	3.0			0.94	8.5	8.4	9.7	0.10	13.8		19.46	14.12	14.20			
21.0	0917	4.0			0.98	8.9	8.4	9.7	0.11	14.4		19.68	14.12	14.36			
21.0	0917	5.0			1.01	9.3	8.4	9.7	0.14	16.7		19.80	14.11	14.46			
21.0	0917	6.0			0.99	9.1	8.4	9.7	0.18	19.2		19.87	14.10	14.51			
21.0	0917	7.0			0.95	8.7	8.3	9.7	0.23	22.2		19.92	14.10	14.55			
21.0	0917	8.0			0.97	8.9	8.3	9.7	0.26	24.3		19.95	14.09	14.57			
21.0	0917	9.0			1.03	9.5	8.3	9.7	0.29	26.5		19.99	14.09	14.61			
21.0	0917	10.0			1.06	9.9	8.3	9.7	0.32	28.3		20.01	14.09	14.62			
21.0	0917	11.0			1.05	9.8	8.4	9.7	0.36	31.1		20.01	14.09	14.62			

LOCATION: South San Francisco Bay
 DATE: April 6, 1993
 JULIAN DAY: 93096
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	0917	12.0			1.04	9.6	8.3	9.7	9.7		0.38	32.8		20.01	14.09	14.62
21.0	0917	13.0			1.05	9.7	8.4	9.7	9.7		0.40	33.7		20.04	14.08	14.64
21.0	0917	14.0			1.06	9.8	8.3	9.7	9.7		0.44	36.1		20.05	14.08	14.65
21.0	0917	15.0			1.08	10.1	8.3	9.7	9.7		0.45	37.3		20.05	14.08	14.65
21.0	0917	16.0			1.10	10.3	8.3	9.7	9.7		0.44	36.7		20.09	14.07	14.68
21.0	0917	17.0			1.09	10.2	8.3	9.7	9.7		0.47	38.4		20.09	14.07	14.69
21.0	0917	18.0	8.5	0.34	1.08	10.1	8.3	9.7	9.7		0.51	41.1		20.09	14.07	14.69

134

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	10	0.891	11.096	-1.915	3.135
OBS Calibration:	6	0.872	66.191	7.270	3.928
Dissolved Oxygen Calibration:	6	0.570	0.548	5.119	0.277

LOCATION: South San Francisco Bay

DATE: April 15, 1993

JULIAN DAY: 93105

SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL e	CHL e/ e+PHA	FLUOR	CALC CHL e	DISCR OXYG	CALC OXYG	DISCR SPH	CALC SPH	EXCOF	SALIN	TEMP	SIGT
36.0	0644	1.0	6.8	0.41	1.05	9.1	6.9	6.8	80.3	74.8		16.30	15.96	11.43
36.0	0644	2.0			1.06	9.2	6.9	6.8		83.6		16.36	15.95	11.47
36.0	0644	3.0			1.05	9.1	7.0	6.8		69.8		16.45	15.94	11.54
36.0	0644	4.0			1.06	9.2	7.0	6.8		85.9		16.54	15.96	11.61
36.0	0644	5.0			1.09	9.4	6.9	6.8		110.0		16.57	15.97	11.63
36.0	0644	6.0			1.09	9.5	6.9	6.8		119.8		16.58	15.98	11.64
36.0	0644	7.0			1.09	9.5	6.9	6.8		127.5		16.58	15.98	11.63
36.0	0644	8.0			1.10	9.5	6.9	6.8		132.1		16.58	15.98	11.63
36.0	0644	9.0	8.4	0.39	1.09	9.5	6.9	6.8		144.4		16.57	15.98	11.63
35.0	0700	1.0			0.99	8.6			59.9	51.8	3.5	16.98	16.15	11.91
35.0	0700	2.0			1.01	8.7				64.6		17.00	16.16	11.92
35.0	0700	3.0			1.03	8.9				74.2		17.00	16.17	11.92
35.0	0700	4.0			1.05	9.1				82.5		17.03	16.18	11.94
35.0	0700	5.0			1.05	9.1				97.3		17.04	16.18	11.95
35.0	0700	6.0			1.06	9.2				104.8		17.03	16.18	11.94
35.0	0700	7.0			1.09	9.5				108.6		17.04	16.18	11.94
35.0	0700	8.0			1.12	9.8				124.0		17.03	16.18	11.94
35.0	0700	9.0			1.14	9.9				146.5		17.01	16.17	11.93
35.0	0700	10.0			1.13	9.9				175.7		17.01	16.17	11.93
34.0	0710	1.0			0.96	8.3			34.6	50.0	3.2	17.41	16.30	12.21
34.0	0710	2.0			0.96	8.3				48.0		17.38	16.28	12.19
34.0	0710	3.0			0.97	8.3				46.1		17.37	16.27	12.18
34.0	0710	4.0			0.99	8.5				45.3		17.44	16.34	12.22
34.0	0710	5.0			1.07	9.3				65.0		17.49	16.36	12.25
34.0	0710	6.0			1.17	10.3				100.7		17.46	16.40	12.23
34.0	0710	7.0			1.17	10.3				160.9		17.44	16.41	12.21
34.0	0710	8.0			1.14	10.0				239.9		17.29	16.41	12.10

LOCATION: South San Francisco Bay

DATE: April 15, 1993

JULIAN DAY: 93105

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	0725	1.0			0.94	8.0		7.8	7.7	13.9	0.15	14.1	1.8	17.81	16.34	12.50
33.0	0725	2.0			0.94	8.0		7.8	7.7		0.15	14.0		17.81	16.35	12.50
33.0	0725	3.0			0.94	8.1		7.8	7.7		0.15	13.9		17.81	16.35	12.50
33.0	0725	4.0			0.96	8.2		7.8	7.7		0.15	13.7		17.81	16.35	12.50
33.0	0725	5.0			0.95	8.2		7.8	7.7		0.15	13.7		17.81	16.35	12.50
33.0	0725	6.0			0.95	8.2		7.8	7.7		0.15	14.0		17.80	16.35	12.50
33.0	0725	7.0			0.99	8.5		7.8	7.7		0.16	14.8		17.80	16.34	12.49
33.0	0725	8.0			0.99	8.5		7.8	7.7		0.21	17.9		17.80	16.34	12.49
33.0	0725	9.0			0.98	8.4		7.8	7.7		0.29	23.2		17.80	16.34	12.50
33.0	0725	10.0			1.00	8.6		7.8	7.7		0.34	26.1		17.80	16.34	12.50
33.0	0725	11.0			1.02	8.8		7.9	7.7		0.45	33.8		17.80	16.34	12.50
33.0	0725	12.0			1.02	8.8		7.9	7.7		0.51	37.6		17.81	16.34	12.50
33.0	0725	13.0			1.04	9.1		7.8	7.7		0.64	46.1		17.83	16.33	12.52
33.0	0725	14.0			1.05	9.1		7.8	7.7		1.11	76.8		17.84	16.33	12.53
32.0	0740	1.0	9.2	0.51	1.09	9.4		7.6	7.5	29.1	0.42	31.6	3.0	17.96	16.27	12.63
32.0	0740	2.0			1.07	9.3		7.7	7.6		0.39	29.9		17.96	16.27	12.63
32.0	0740	3.0			1.07	9.2		7.7	7.6		0.38	29.0		17.96	16.27	12.63
32.0	0740	4.0			1.08	9.3		7.8	7.6		0.36	27.7		17.96	16.27	12.63
32.0	0740	5.0			1.10	9.5		7.8	7.7		0.35	26.8		17.97	16.28	12.64
32.0	0740	6.0			1.08	9.4		7.8	7.7		0.35	27.4		17.98	16.31	12.64
32.0	0740	7.0			1.06	9.2		7.8	7.7		0.33	25.7		18.00	16.32	12.65
32.0	0740	8.0			1.06	9.2		7.8	7.7		0.32	25.4		18.00	16.33	12.65
32.0	0740	9.0			1.07	9.3		7.8	7.7		0.35	27.1		17.99	16.32	12.65
32.0	0740	10.0			1.07	9.3		7.8	7.7		0.36	27.8		17.99	16.32	12.65
32.0	0740	11.0			1.07	9.3		7.8	7.7		0.35	27.1		17.99	16.32	12.65
32.0	0740	12.0			1.05	9.1		7.8	7.7		0.36	27.7		18.00	16.33	12.65
32.0	0740	13.0			1.09	9.5		7.8	7.7		0.45	33.4		18.02	16.35	12.66
32.0	0740	14.0	9.1	0.55	1.11	9.7		7.8	7.7		0.39	30.0		18.01	16.35	12.66

LOCATION: South San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 Seabird v4.026

STN	TIME	DEPTH	CHL a		FLUOR	CHL a		OXYG	DISCR		OXYG	DISCR		OBS	CALC		EXCOF	SALIN	TEMP	SIGT
			DISCR	CHL a		CALC	CHL a		DISCR	SPM		CALC	SPM							
31.0	0755	1.0			1.09	9.5	8.0	8.0	7.9		7.9		0.13	12.6	17.96	16.25	1.5	17.96	16.25	12.63
31.0	0755	2.0			1.10	9.6	8.0	8.0	7.9		7.9		0.13	12.5	17.95	16.25		17.95	16.25	12.63
31.0	0755	3.0			1.10	9.5	8.0	8.0	7.9		7.9		0.13	12.5	17.95	16.25		17.95	16.25	12.63
31.0	0755	4.0			1.04	9.0	8.0	8.0	7.9		7.9		0.12	12.2	17.95	16.24		17.95	16.24	12.63
31.0	0755	5.0			1.01	8.8	8.0	8.0	7.9		7.9		0.13	12.6	17.95	16.25		17.95	16.25	12.63
31.0	0755	6.0			0.99	8.6	8.0	8.0	7.9		7.9		0.14	13.1	17.95	16.25		17.95	16.25	12.63
31.0	0755	7.0			0.99	8.5	8.0	8.0	7.9		7.9		0.14	13.6	17.95	16.25		17.95	16.25	12.63
31.0	0755	8.0			1.04	9.0	8.0	8.0	7.9		7.9		0.14	13.1	17.96	16.25		17.96	16.25	12.64
31.0	0755	9.0			1.07	9.3	8.0	8.0	7.9		7.9		0.15	13.8	17.97	16.24		17.97	16.24	12.65
31.0	0755	10.0			1.05	9.1	8.0	8.0	7.9		7.9		0.16	14.8	17.98	16.23		17.98	16.23	12.66
31.0	0755	11.0			1.04	9.0	8.0	8.0	7.9		7.9		0.18	16.0	17.99	16.22		17.99	16.22	12.66
31.0	0755	12.0			1.04	9.0	8.0	8.0	7.9		7.9		0.20	17.5	17.99	16.21		17.99	16.21	12.67
31.0	0755	13.0			1.03	8.9	8.0	8.0	7.9		7.9		0.24	19.8	18.00	16.19		18.00	16.19	12.68
31.0	0755	14.0			1.02	8.8	8.0	8.0	7.9		7.9		0.33	25.7	18.00	16.17		18.00	16.17	12.68
30.0	0820	1.0			1.25	11.0	8.8	8.8	8.7		8.7		0.04	6.5	18.07	16.07	1.2	18.07	16.07	12.76
30.0	0820	2.0			1.21	10.6	8.8	8.8	8.7		8.7		0.05	7.0	18.07	16.06		18.07	16.06	12.76
30.0	0820	3.0			1.15	10.1	8.8	8.8	8.7		8.7		0.05	7.2	18.07	16.07		18.07	16.07	12.76
30.0	0820	4.0			1.17	10.2	8.8	8.8	8.7		8.7		0.06	7.8	18.07	16.07		18.07	16.07	12.76
30.0	0820	5.0			1.18	10.3	8.8	8.8	8.7		8.7		0.06	7.8	18.07	16.08		18.07	16.08	12.76
30.0	0820	6.0			1.17	10.3	8.8	8.8	8.7		8.7		0.05	7.6	18.07	16.08		18.07	16.08	12.76
30.0	0820	7.0			1.20	10.5	8.8	8.8	8.7		8.7		0.05	7.4	18.07	16.08		18.07	16.08	12.76
30.0	0820	8.0			1.21	10.6	8.8	8.8	8.7		8.7		0.05	7.6	18.07	16.07		18.07	16.07	12.76
30.0	0820	9.0			1.19	10.4	8.8	8.8	8.7		8.7		0.05	7.6	18.07	16.07		18.07	16.07	12.76
30.0	0820	10.0			1.22	10.7	8.8	8.8	8.7		8.7		0.05	7.5	18.07	16.08		18.07	16.08	12.76
30.0	0820	11.0			1.27	11.2	8.8	8.8	8.7		8.7		0.07	8.4	18.07	16.08		18.07	16.08	12.76
30.0	0820	12.0			1.23	10.8	8.8	8.8	8.7		8.7		0.07	8.6	18.07	16.08		18.07	16.08	12.76
30.0	0820	13.0			1.22	10.7	8.8	8.8	8.7		8.7		0.07	8.8	18.07	16.08		18.07	16.08	12.76
30.0	0820	14.0			1.19	10.4	8.8	8.8	8.7		8.7		0.08	9.2	18.08	16.08		18.08	16.08	12.76
30.0	0820	15.0	12.1	0.50	1.17	10.2	8.8	8.8	8.7		8.7		0.10	10.7	18.07	16.08		18.07	16.08	12.76

LOCATION: South San Francisco Bay

DATE: April 15, 1993

JULIAN DAY: 93105

SeeBird v4.026

STN	TIME	DEPTH	DISCR		CHL a	FLUOR	CALC		DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	a+PHA			CHL a	CHL a											
29.0	0847	1.0			1.04	9.0	8.9	8.8	0.00	4.1	0.9	18.18	16.02	12.85					
29.0	0847	2.0			1.03	8.9	8.9	8.7	-.01	3.2		18.18	16.02	12.85					
29.0	0847	3.0			1.08	9.4	8.9	8.7	-.01	3.2		18.18	16.02	12.85					
29.0	0847	4.0			1.10	9.5	8.8	8.7	-.01	3.1		18.18	16.02	12.85					
29.0	0847	5.0			1.06	9.2	8.8	8.7	-.02	3.0		18.19	16.02	12.86					
29.0	0847	6.0			1.03	9.0	8.8	8.7	-.01	3.2		18.19	16.01	12.86					
29.0	0847	7.0			1.04	9.0	8.8	8.7	-.01	3.4		18.19	16.01	12.86					
29.0	0847	8.0			1.04	9.0	8.8	8.7	-.01	3.2		18.23	15.99	12.90					
29.0	0847	9.0			1.02	8.8	8.7	8.5	-.01	3.2		18.47	15.94	13.09					
29.0	0847	10.0			1.00	8.6	8.7	8.5	-.01	3.1		18.77	15.77	13.35					
29.0	0847	11.0			1.01	8.7	8.6	8.5	0.00	4.0		18.98	15.61	13.54					
29.0	0847	12.0			1.03	8.9	8.6	8.5	0.01	5.0		19.25	15.44	13.78					
29.0	0847	13.0			1.03	8.9	8.5	8.4	0.05	7.1		19.34	15.39	13.86					
29.0	0847	14.0			1.05	9.1	8.5	8.4	0.06	7.8		19.59	15.24	14.08					
29.0	0847	15.0			1.18	10.3	8.6	8.4	0.07	8.8		19.73	15.16	14.21					
29.0	0847	16.0			1.21	10.6	8.6	8.5	0.09	9.7		19.75	15.15	14.22					
28.5	0922	1.0			1.09	9.4	8.8	8.7	-.00	3.8	1.0	18.25	16.01	12.91					
28.5	0922	2.0			1.06	9.2	8.9	8.7	-.01	3.6		18.25	16.01	12.91					
28.5	0922	3.0			1.06	9.2	8.9	8.8	-.01	3.6		18.25	16.00	12.91					
28.5	0922	4.0			1.06	9.2	8.9	8.8	-.00	3.7		18.25	16.01	12.91					
28.5	0922	5.0			1.04	9.0	8.9	8.8	-.01	3.4		18.26	16.01	12.91					
28.5	0922	6.0			0.99	8.6	8.9	8.8	-.01	3.4		18.26	16.00	12.92					
28.5	0922	7.0			0.96	8.3	8.8	8.7	-.01	3.3		18.31	16.00	12.96					
28.5	0922	8.0			0.95	8.1	8.8	8.6	-.02	3.0		18.41	15.99	13.03					
28.5	0922	9.0			0.92	7.8	8.6	8.5	-.02	2.7		18.55	15.90	13.16					
28.5	0922	10.0			0.88	7.5	8.6	8.5	-.02	2.4		18.86	15.63	13.45					
28.5	0922	11.0			0.86	7.3	8.6	8.5	-.03	2.3		19.27	15.35	13.81					
28.5	0922	12.0			0.85	7.2	8.3	8.2	-.03	2.0		19.82	15.06	14.30					
28.5	0922	13.0			0.87	7.4	8.0	7.9	-.02	2.6		20.47	14.81	14.84					
28.5	0922	14.0			0.90	7.6	8.0	7.9	0.01	4.9		20.91	14.62	15.21					

LOCATION: South San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a													
28.5	0922	15.0			0.93	8.0	8.0	7.9	8.0	8.1	8.0	0.04	6.5		21.08	14.53	15.36
28.5	0922	16.0			0.94	8.1	8.1	8.0	8.1	8.0	8.0	0.06	7.8		21.17	14.49	15.44
28.0	0956	1.0			1.02	8.8	9.0	8.9	9.0	8.9	8.9	-0.1	3.3	0.8	18.27	16.03	12.92
28.0	0956	2.0			1.02	8.8	9.0	8.9	9.0	8.9	8.9	-0.2	3.0		18.27	16.03	12.92
28.0	0956	3.0			1.07	9.3	9.0	8.9	9.0	8.9	8.9	-0.2	2.9		18.27	16.03	12.92
28.0	0956	4.0			1.11	9.7	9.0	8.9	9.0	8.9	8.9	-0.2	2.8		18.27	16.02	12.92
28.0	0956	5.0			1.12	9.7	8.9	8.8	8.9	8.8	8.8	-0.2	2.7		18.28	15.99	12.94
28.0	0956	6.0			1.08	9.4	8.9	8.8	8.9	8.8	8.8	-0.2	2.7		18.36	15.95	13.01
28.0	0956	7.0			1.01	8.7	8.9	8.7	8.9	8.7	8.7	-0.2	2.6		18.47	15.88	13.10
28.0	0956	8.0			0.95	8.2	8.8	8.7	8.8	8.7	8.7	-0.2	3.0		18.52	15.78	13.16
28.0	0956	9.0			0.92	7.8	8.8	8.6	8.8	8.6	8.6	-0.2	2.8		18.64	15.71	13.26
28.0	0956	10.0			0.92	7.9	8.6	8.5	8.6	8.5	8.5	-0.2	2.9		19.02	15.51	13.59
28.0	0956	11.0			0.92	7.9	8.6	8.5	8.6	8.5	8.5	-0.2	2.8		19.58	15.15	14.09
28.0	0956	12.0			0.87	7.4	8.3	8.2	8.3	8.2	8.2	-0.3	2.3		20.22	14.88	14.63
28.0	0956	13.0			0.89	7.6	7.9	7.8	7.9	7.8	7.8	-0.1	3.5		20.65	14.73	14.99
28.0	0956	14.0			0.92	7.9	7.9	7.8	7.9	7.8	7.8	0.04	6.7		21.27	14.44	15.52
28.0	0956	15.0			1.25	11.0	8.0	7.9	8.0	7.9	7.9	0.12	11.9		21.44	14.37	15.67
28.0	0956	16.0			1.36	12.0	8.1	8.0	8.1	8.0	8.0	0.18	15.7		21.38	14.41	15.61
27.0	1008	1.0	10.0	0.57	0.95	8.2	9.0	8.8	9.0	8.8	4.7	-0.2	2.5	0.6	18.31	16.05	12.94
27.0	1008	2.0			0.94	8.1	9.0	8.9	9.0	8.9	8.9	-0.3	2.3		18.31	16.06	12.94
27.0	1008	3.0			0.97	8.4	9.0	8.9	9.0	8.9	8.9	-0.3	2.2		18.31	16.06	12.94
27.0	1008	4.0			0.97	8.3	8.9	8.7	8.9	8.7	8.7	-0.2	2.4		18.31	16.05	12.94
27.0	1008	5.0			0.95	8.1	8.6	8.5	8.6	8.5	8.5	-0.3	2.2		18.37	15.99	13.01
27.0	1008	6.0			0.96	8.3	8.8	8.7	8.8	8.7	8.7	-0.3	2.3		18.85	15.61	13.45
27.0	1008	7.0			0.97	8.3	8.9	8.8	8.9	8.8	8.8	-0.3	2.1		19.07	15.43	13.65
27.0	1008	8.0			0.98	8.4	8.8	8.7	8.8	8.7	8.7	-0.3	1.9		19.23	15.28	13.80
27.0	1008	9.0			0.97	8.4	8.7	8.6	8.8	8.6	8.6	-0.4	1.7		19.69	15.05	14.20
27.0	1008	10.0			0.91	7.8	8.4	8.3	8.4	8.3	8.3	-0.4	1.5		20.27	14.81	14.69
27.0	1008	11.0			0.84	7.1	8.1	8.0	8.1	8.0	8.0	-0.4	1.5		21.06	14.52	15.35

LOCATION: South San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OXYG	CALC	OXYG	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	STGT
27.0	1008	12.0				0.75	6.3		8.0	7.9							-03	2.3		21.72	14.25	15.91
27.0	1008	13.0	7.7	0.79		0.75	6.3		8.3	8.1							-01	3.6		21.93	14.20	16.08
26.0	1023	1.0				0.98	8.5		9.2	9.1							-03	2.4	0.7	18.66	15.75	13.27
26.0	1023	2.0				0.99	8.6		9.2	9.1							-02	2.4		18.66	15.75	13.27
26.0	1023	3.0				1.04	9.0		9.2	9.0							-02	2.6		18.66	15.71	13.28
26.0	1023	4.0				1.04	9.0		8.9	8.8							-02	2.6		18.67	15.65	13.30
26.0	1023	5.0				0.95	8.2		8.4	8.2							-02	2.6		18.89	15.51	13.49
26.0	1023	6.0				0.82	7.0		8.3	8.2							-02	2.4		21.02	14.56	15.31
26.0	1023	7.0				0.71	5.9		8.2	8.1							-04	1.7		21.63	14.31	15.83
26.0	1023	8.0				0.64	5.2		8.2	8.1							-04	1.1		21.96	14.20	16.10
26.0	1023	9.0				0.60	4.8		8.1	8.0							-04	1.2		22.07	14.16	16.19
26.0	1023	10.0				0.58	4.7		8.0	7.9							-04	1.3		22.29	14.07	16.38
26.0	1023	11.0				0.62	5.1		8.0	7.9							-03	2.2		22.76	13.93	16.77
26.0	1023	12.0				0.64	5.2		8.2	8.0							0.33	25.7		22.38	14.06	16.45
25.0	1038	1.0				1.03	8.9		9.8	9.7							-03	2.4	0.6	19.18	15.30	13.76
25.0	1038	2.0				1.05	9.1		9.3	9.2							-02	2.9		19.18	15.24	13.77
25.0	1038	3.0				0.92	7.9		8.5	8.4							-03	2.2		20.13	14.77	14.59
25.0	1038	4.0				0.70	5.8		8.2	8.1							-03	1.9		22.85	13.88	16.85
25.0	1038	5.0				0.60	4.8		8.1	8.0							-04	1.4		22.89	13.87	16.87
25.0	1038	6.0				0.57	4.6		8.1	8.0							-04	1.3		22.90	13.87	16.88
25.0	1038	7.0				0.56	4.5		8.1	8.0							-04	1.2		22.92	13.86	16.90
25.0	1038	8.0				0.51	4.1		8.0	7.9							-04	1.2		23.21	13.77	17.14
25.0	1038	9.0				0.51	4.0		8.2	8.1							-04	1.3		23.50	13.69	17.38
24.0	1056	1.0				0.77	6.5	9.9	9.9	9.8		1.9					-05	0.7		20.06	14.76	14.53
24.0	1056	2.0				0.77	6.5		9.9	9.8							-05	0.7		20.05	14.76	14.53
24.0	1056	3.0				0.78	6.5		9.9	9.7							-05	0.7		20.05	14.77	14.53
24.0	1056	4.0				0.81	6.8		9.6	9.5							-05	0.7		20.10	14.70	14.58
24.0	1056	5.0				0.83	7.0		9.1	9.0							-05	0.6		20.49	14.50	14.91

LOCATION: South San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a	FLUOR	CALC		DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a/			CHL a	OXYG											
24.0	1056	6.0			0.74	6.2	8.5	8.4						-05	0.6		22.28	14.00	16.38
24.0	1056	7.0			0.61	5.0	8.2	8.1						-05	0.7		23.55	13.65	17.42
24.0	1056	8.0			0.54	4.3	8.1	8.0						-05	1.0		24.22	13.43	17.98
24.0	1056	9.0			0.53	4.2	8.1	8.0						-04	1.2		24.50	13.33	18.22
24.0	1056	10.0			0.53	4.2	8.1	8.0						-04	1.6		24.57	13.30	18.27
24.0	1056	11.0			0.52	4.1	8.1	8.0						-03	1.9		24.61	13.28	18.31
24.0	1056	12.0	3.2	0.40	0.52	4.1	8.2	8.1						-03	2.3		24.63	13.28	18.32
23.0	1108	1.0			0.79	6.7	9.4	9.3						-05	0.9	0.5	20.73	14.54	15.09
23.0	1108	2.0			0.78	6.5	9.4	9.3						-05	0.8		20.74	14.53	15.10
23.0	1108	3.0			0.80	6.7	9.4	9.3						-05	0.7		20.73	14.54	15.09
23.0	1108	4.0			0.84	7.2	9.4	9.3						-05	0.7		20.73	14.52	15.10
23.0	1108	5.0			0.86	7.3	9.4	9.3						-05	0.7		20.77	14.51	15.13
23.0	1108	6.0			0.87	7.4	9.4	9.2						-05	0.8		20.81	14.50	15.16
23.0	1108	7.0			0.83	7.0	9.0	8.9						-05	0.7		20.94	14.43	15.27
23.0	1108	8.0			0.72	6.0	8.4	8.3						-05	0.7		21.78	14.15	15.97
23.0	1108	9.0			0.63	5.2	8.1	8.0						-05	0.7		23.34	13.65	17.26
23.0	1108	10.0			0.57	4.6	7.9	7.8						-04	1.1		24.19	13.40	17.97
23.0	1108	11.0			0.51	4.0	7.8	7.6						-04	1.2		24.55	13.29	18.26
23.0	1108	12.0			0.49	3.8	7.7	7.6						-04	1.7		25.09	13.13	18.71
23.0	1108	13.0			0.46	3.6	7.7	7.5						-02	2.9		25.30	13.05	18.89
23.0	1108	14.0			0.47	3.6	7.6	7.5						-01	3.5		25.45	13.00	19.01
23.0	1108	15.0			0.48	3.8	7.5	7.4						-00	3.9		25.52	12.98	19.07
23.0	1108	16.0			0.47	3.6	7.4	7.3						0.01	4.9		26.21	12.75	19.64
23.0	1108	17.0			0.46	3.6	7.5	7.4						0.04	6.4		26.36	12.70	19.76
22.0	1122	1.0			0.81	6.8	9.5	9.4						-05	0.7		20.68	14.61	15.04
22.0	1122	2.0			0.84	7.1	9.4	9.3						-05	0.7		20.78	14.51	15.13
22.0	1122	3.0			0.86	7.3	8.9	8.8						-05	0.8		21.17	14.41	15.45
22.0	1122	4.0			0.78	6.6	8.3	8.2						-05	1.1		22.14	14.00	16.27
22.0	1122	5.0			0.63	5.2	8.1	8.0						-04	1.2		24.26	13.40	18.02

LOCATION: South San Francisco Bay

DATE: April 15, 1993

JULIAN DAY: 93105

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLOOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	SPH	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
22.0	1122	6.0				0.55	4.4		8.0	7.8			2.0	-.03			24.60	13.30	18.30
22.0	1122	7.0				0.51	4.0		7.9	7.8			2.4	-.02			24.68	13.28	18.37
22.0	1122	8.0				0.50	3.9		7.8	7.7			2.4	-.03			24.91	13.21	18.55
22.0	1122	9.0				0.49	3.9		7.7	7.6			2.4	-.02			25.07	13.15	18.69
22.0	1122	10.0				0.48	3.7		7.6	7.5			2.6	-.02			25.37	13.05	18.94
22.0	1122	11.0				0.49	3.8		7.4	7.3			2.8	-.02			25.80	12.91	19.29
22.0	1122	12.0				0.48	3.7		7.4	7.2			3.6	-.01			26.86	12.57	20.18
22.0	1122	13.0				0.47	3.6		7.2	7.1			4.3	0.00			27.02	12.50	20.32
22.0	1122	14.0				0.46	3.6		7.2	7.0			4.2	0.00			27.54	12.33	20.75
22.0	1122	15.0				0.46	3.5		7.1	7.0			4.7	0.01			28.05	12.17	21.16
22.0	1122	16.0				0.46	3.5		7.1	7.0			5.7	0.03			28.10	12.15	21.21
22.0	1122	17.0				0.47	3.6		7.1	7.0			6.2	0.03			28.14	12.14	21.24
22.0	1122	18.0				0.49	3.8		7.1	6.9			8.2	0.06			28.16	12.13	21.26
22.0	1122	19.0				0.49	3.8		7.1	7.0			11.5	0.11			28.13	12.13	21.24
21.0	1137	1.0				0.64	5.2	9.7	9.6	9.5			3.2	-.01	0.5		20.22	14.90	14.63
21.0	1137	2.0				0.65	5.4		9.4	9.3			2.8	-.02			20.22	14.90	14.63
21.0	1137	3.0				0.70	5.8		9.0	8.9			1.3	-.04			20.52	14.74	14.89
21.0	1137	4.0				0.73	6.1		8.7	8.6			1.7	-.04			21.70	14.34	15.87
21.0	1137	5.0				0.72	6.0		8.5	8.4			1.1	-.05			21.90	14.11	16.07
21.0	1137	6.0				0.67	5.5		8.0	7.9			0.9	-.05			22.48	13.90	16.56
21.0	1137	7.0				0.58	4.7		7.7	7.5			0.9	-.05			24.16	13.39	17.94
21.0	1137	8.0				0.50	3.9		7.6	7.5			1.3	-.04			25.62	12.87	19.16
21.0	1137	9.0				0.48	3.7		7.6	7.5			1.9	-.03			25.90	12.80	19.39
21.0	1137	10.0				0.48	3.7		7.6	7.4			2.1	-.03			25.90	12.81	19.39
21.0	1137	11.0				0.48	3.8		7.4	7.3			2.3	-.03			26.16	12.73	19.61
21.0	1137	12.0				0.47	3.7		7.3	7.1			2.5	-.02			26.70	12.56	20.06
21.0	1137	13.0				0.46	3.6		7.2	7.1			3.3	-.01			27.47	12.31	20.69
21.0	1137	14.0				0.45	3.5		7.2	7.1			4.2	0.00			27.76	12.22	20.93
21.0	1137	15.0				0.45	3.4		7.1	7.0			6.2	0.03			27.88	12.18	21.04
21.0	1137	16.0				0.45	3.4		7.1	7.0			7.8	0.06			28.03	12.14	21.16

LOCATION: South San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ e+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	1137	17.0			0.46	3.5	7.1	7.0	7.0	10.8	0.10	10.8		28.09	12.12	21.21
21.0	1137	18.0			0.47	3.6	7.1	7.0	7.0	11.3	0.11	11.3		28.11	12.12	21.23

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	8	0.647	9.428	-0.800	1.670
OBS Calibration:	9	0.944	65.799	4.028	7.053
Dissolved Oxygen Calibration:	10	0.997	1.000	-0.118	0.055

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

LOCATION: North San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
657.0	2006	1.0	2.7	0.37	0.54	3.1		24.7				0.32	22.6		0.10	14.69	0.00
657.0	2006	2.0			0.54	3.1						0.32	22.5		0.10	14.68	0.00
657.0	2006	3.0			0.53	3.1						0.32	22.2		0.10	14.68	0.00
657.0	2006	4.0			0.54	3.1						0.31	22.1		0.10	14.69	0.00
657.0	2006	5.0			0.55	3.1						0.31	22.0		0.10	14.69	0.00
657.0	2006	6.0			0.55	3.2						0.32	22.4		0.10	14.70	0.00
657.0	2006	7.0			0.55	3.2						0.33	22.9		0.10	14.70	0.00
657.0	2006	8.0			0.55	3.2						0.33	22.9		0.10	14.70	0.00
657.0	2006	9.0			0.56	3.2						0.34	23.3		0.10	14.70	0.00
657.0	2006	10.0	2.0	0.26	0.56	3.2						0.35	23.5		0.10	14.71	0.00
653.0	1940	1.0			0.49	2.7		23.4				0.31	21.9		0.08	14.34	0.00
653.0	1940	2.0			0.49	2.7						0.30	21.5		0.08	14.34	0.00
653.0	1940	3.0			0.49	2.7						0.29	21.1		0.08	14.34	0.00
653.0	1940	4.0			0.50	2.8						0.29	21.2		0.08	14.35	0.00
653.0	1940	5.0			0.50	2.8						0.30	21.7		0.08	14.35	0.00
653.0	1940	6.0			0.52	2.9						0.32	22.2		0.08	14.35	0.00
653.0	1940	7.0			0.53	3.0						0.33	22.8		0.08	14.36	0.00
653.0	1940	8.0			0.53	3.0						0.35	23.7		0.08	14.36	0.00
653.0	1940	9.0			0.55	3.2						0.36	23.8		0.08	14.36	0.00
653.0	1940	10.0			0.56	3.2						0.36	23.8		0.08	14.36	0.00
649.0	1906	1.0	3.4	0.65	0.48	2.6		22.9				0.33	22.7	2.2	0.09	14.55	0.00
649.0	1906	2.0			0.48	2.6						0.31	22.2		0.09	14.55	0.00
649.0	1906	3.0			0.48	2.6						0.32	22.6		0.09	14.55	0.00
649.0	1906	4.0			0.49	2.7						0.32	22.6		0.09	14.55	0.00
649.0	1906	5.0			0.49	2.7						0.33	22.6		0.09	14.55	0.00
649.0	1906	6.0			0.50	2.8						0.33	22.8		0.09	14.55	0.00
649.0	1906	7.0			0.51	2.8						0.32	22.6		0.09	14.55	0.00
649.0	1906	8.0			0.52	2.9						0.34	23.2		0.09	14.55	0.00
649.0	1906	9.0			0.53	3.0						0.33	22.9		0.09	14.55	0.00

LOCATION: North San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EKCOF	SALIN	TEMP	SIGT
649.0	1906	10.0			0.52	3.0				0.35	23.5		0.09	14.55	0.00
649.0	1906	11.0			0.52	2.9				0.34	23.2		0.09	14.56	0.00
649.0	1906	12.0			0.52	3.0				0.32	22.4		0.09	14.56	0.00
2.0	1848	1.0			0.49	2.7			17.7	0.25	19.3	1.8	0.09	15.33	0.00
2.0	1848	2.0			0.49	2.7				0.23	18.5		0.09	15.33	0.00
2.0	1848	3.0			0.49	2.7				0.23	18.5		0.09	15.34	0.00
2.0	1848	4.0			0.49	2.7				0.23	18.5		0.09	15.31	0.00
2.0	1848	5.0			0.49	2.7				0.23	18.7		0.09	15.28	0.00
2.0	1848	6.0			0.50	2.8				0.23	18.8		0.09	15.15	0.00
2.0	1848	7.0			0.51	2.9				0.24	18.9		0.09	14.99	0.00
2.0	1848	8.0			0.52	2.9				0.25	19.3		0.09	14.89	0.00
2.0	1848	9.0			0.52	2.9				0.26	19.9		0.09	14.87	0.00
2.0	1848	10.0			0.51	2.9				0.27	20.4		0.09	14.86	0.00
2.0	1848	11.0			0.51	2.8				0.29	21.0		0.09	14.84	0.00
3.0	1830	1.0	2.1	0.43	0.48	2.6				0.29	21.1	2.1	0.09	15.15	0.00
3.0	1830	2.0			0.48	2.6				0.29	21.0		0.09	15.16	0.00
3.0	1830	3.0			0.48	2.6				0.32	22.2		0.09	15.18	0.00
3.0	1830	4.0			0.49	2.7				0.31	21.9		0.09	15.19	0.00
3.0	1830	5.0			0.49	2.7				0.33	22.6		0.09	15.19	0.00
3.0	1830	6.0			0.49	2.7				0.32	22.3		0.09	15.19	0.00
3.0	1830	7.0			0.50	2.8				0.32	22.6		0.09	15.19	0.00
3.0	1830	8.0			0.51	2.9				0.34	23.0		0.09	15.19	0.00
3.0	1830	9.0			0.51	2.8				0.34	23.0		0.09	15.19	0.00
3.0	1830	10.0			0.50	2.8				0.34	23.3		0.09	15.19	0.00
4.0	1806	1.0			0.46	2.5			23.0	0.30	21.5	2.1	0.09	14.91	0.00
4.0	1806	2.0			0.46	2.5				0.29	21.0		0.09	14.91	0.00
4.0	1806	3.0			0.46	2.5				0.30	21.5		0.09	14.91	0.00
4.0	1806	4.0			0.46	2.5				0.31	21.8		0.09	14.91	0.00

LOCATION: North San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	DISCR	OXYG	CALC	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	STGT
4.0	1806	5.0				0.46	2.5							0.31	21.9		0.09	14.91	0.00
4.0	1806	6.0				0.47	2.5							0.31	21.9		0.09	14.91	0.00
4.0	1806	7.0				0.47	2.6							0.31	21.8		0.09	14.91	0.00
4.0	1806	8.0				0.48	2.6							0.31	22.0		0.09	14.91	0.00
4.0	1806	9.0				0.48	2.6							0.31	22.0		0.09	14.91	0.00
4.0	1806	10.0				0.49	2.7							0.31	22.1		0.09	14.91	0.00
4.0	1806	11.0				0.49	2.7							0.31	22.2		0.09	14.91	0.00
4.0	1806	12.0				0.49	2.7							0.32	22.2		0.09	14.91	0.00
4.0	1806	13.0				0.49	2.7							0.32	22.6		0.09	14.91	0.00
4.0	1806	14.0				0.49	2.7							0.32	22.4		0.09	14.90	0.00
4.0	1806	15.0				0.49	2.7							0.34	23.4		0.09	14.90	0.00
5.0	1745	1.0				0.48	2.6							0.32	22.5	2.5	0.09	14.95	0.00
5.0	1745	2.0				0.47	2.6							0.32	22.5		0.09	14.95	0.00
5.0	1745	3.0				0.47	2.5							0.32	22.5		0.09	14.96	0.00
5.0	1745	4.0				0.46	2.5							0.32	22.5		0.09	14.96	0.00
5.0	1745	5.0				0.47	2.6							0.33	22.9		0.09	14.96	0.00
5.0	1745	6.0				0.49	2.7							0.33	22.9		0.09	14.95	0.00
5.0	1745	7.0				0.49	2.7							0.34	23.3		0.09	14.95	0.00
5.0	1745	8.0				0.49	2.7							0.34	23.3		0.09	14.95	0.00
5.0	1745	9.0				0.50	2.8							0.34	23.3		0.09	14.95	0.00
5.0	1745	10.0				0.50	2.8							0.35	23.5		0.09	14.95	0.00
5.0	1745	11.0				0.50	2.8							0.33	22.9		0.09	14.95	0.00
5.0	1745	12.0				0.50	2.8							0.37	24.4		0.09	14.95	0.00
6.0	1721	1.0	2.5	0.45		0.47	2.6						24.9	0.39	25.4	2.2	0.09	15.02	0.00
6.0	1721	2.0				0.47	2.6							0.37	24.5		0.09	15.02	0.00
6.0	1721	3.0				0.48	2.6							0.38	24.6		0.09	15.02	0.00
6.0	1721	4.0				0.48	2.6							0.38	24.8		0.09	15.02	0.00
6.0	1721	5.0				0.48	2.6							0.38	24.7		0.09	15.02	0.00
6.0	1721	6.0				0.49	2.7							0.38	24.7		0.09	15.02	0.00

LOCATION: North San Francisco Bay

DATE: April 15, 1993

JULIAN DAY: 93105

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
6.0	1721	7.0			0.49	2.7				0.38	24.7		0.09	15.02	0.00
6.0	1721	8.0			0.50	2.8				0.38	25.0		0.09	15.02	0.00
6.0	1721	9.0			0.50	2.8				0.40	25.7		0.09	15.02	0.00
6.0	1721	10.0			0.51	2.9				0.40	25.6		0.09	15.02	0.00
6.0	1721	11.0	1.8	0.31	0.51	2.9				0.39	25.4		0.09	15.02	0.00
7.0	1655	1.0			0.46	2.5			32.7	0.54	31.2	2.5	0.15	15.23	0.00
7.0	1655	2.0			0.47	2.5				0.56	32.3		0.16	15.21	0.00
7.0	1655	3.0			0.47	2.6				0.59	33.5		0.16	15.21	0.00
7.0	1655	4.0			0.48	2.6				0.65	35.7		0.17	15.21	0.00
7.0	1655	5.0			0.49	2.7				0.67	36.7		0.17	15.21	0.00
7.0	1655	6.0			0.49	2.7				0.67	36.9		0.17	15.21	0.00
7.0	1655	7.0			0.49	2.7				0.71	38.4		0.17	15.21	0.00
7.0	1655	8.0			0.50	2.8				0.69	37.6		0.17	15.21	0.00
7.0	1655	9.0			0.50	2.7				0.76	40.4		0.17	15.23	0.00
7.0	1655	10.0			0.49	2.7				0.80	41.9		0.20	15.24	0.00
7.0	1655	11.0			0.50	2.8				0.80	41.8		0.22	15.23	0.00
7.0	1655	12.0			0.51	2.8				0.81	42.5		0.23	15.22	0.00
7.0	1655	13.0			0.51	2.9				0.88	45.5		0.24	15.21	0.00
7.0	1655	14.0			0.51	2.9				1.01	50.7		0.23	15.20	0.00
7.0	1655	15.0			0.52	2.9				1.13	55.5		0.25	15.20	0.00
7.0	1655	16.0			0.52	2.9				1.16	56.9		0.29	15.20	0.00
8.0	1616	1.0			0.45	2.4		9.6	35.2	0.55	31.6	2.9	1.48	15.78	0.12
8.0	1616	2.0			0.45	2.4		9.6		0.54	31.3		1.49	15.77	0.13
8.0	1616	3.0			0.44	2.3		9.5		0.53	31.1		1.55	15.74	0.18
8.0	1616	4.0			0.44	2.3		9.5		0.54	31.2		1.91	15.63	0.47
8.0	1616	5.0			0.44	2.3		9.5		0.52	30.8		2.21	15.55	0.72
8.0	1616	6.0			0.44	2.3		9.4		0.53	30.8		2.31	15.52	0.80
8.0	1616	7.0			0.44	2.3		9.3		0.52	30.5		2.73	15.43	1.14
8.0	1616	8.0			0.42	2.2		9.3		0.52	30.4		3.42	15.32	1.69

LOCATION: North San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
8.0	1616	9.0			0.42	2.1		9.2	9.1		0.52	30.6		3.83	15.23	2.02
8.0	1616	10.0			0.42	2.1		9.2	9.0		0.50	29.6		4.69	15.13	2.69
8.0	1616	11.0			0.41	2.1		9.1	8.9		0.48	28.9		5.18	15.12	3.08
8.0	1616	12.0			0.39	1.9		8.9	8.8		0.47	28.3		7.24	15.02	4.67
8.0	1616	13.0			0.39	1.9		8.7	8.6		0.44	27.4		8.61	14.95	5.73
8.0	1616	14.0			0.39	1.9		8.7	8.6		0.44	27.3		9.85	14.86	6.69
9.0	1550	1.0	2.1	0.55	0.41	2.1	9.4	9.3	9.2	17.8	0.34	23.4	2.0	2.54	15.81	0.93
9.0	1550	2.0			0.40	2.0		9.4	9.2		0.30	21.4		3.27	15.57	1.53
9.0	1550	3.0			0.38	1.9		9.3	9.2		0.30	21.6		3.71	15.45	1.89
9.0	1550	4.0			0.38	1.8		9.2	9.1		0.28	20.8		4.35	15.36	2.39
9.0	1550	5.0			0.38	1.8		9.2	9.1		0.28	20.6		4.30	15.37	2.36
9.0	1550	6.0			0.38	1.8		9.2	9.1		0.32	22.2		4.39	15.33	2.43
9.0	1550	7.0			0.38	1.8		9.2	9.1		0.31	22.0		4.49	15.30	2.51
9.0	1550	8.0			0.38	1.9		9.2	9.1		0.30	21.5		4.51	15.30	2.53
9.0	1550	9.0			0.39	1.9		9.2	9.1		0.32	22.4		4.61	15.27	2.61
9.0	1550	10.0			0.38	1.9		9.2	9.1		0.32	22.4		4.71	15.26	2.69
9.0	1550	11.0			0.38	1.8		9.2	9.1		0.31	22.0		4.89	15.24	2.83
9.0	1550	12.0			0.39	1.9		9.2	9.1		0.32	22.5		4.96	15.24	2.88
9.0	1550	13.0			0.40	2.0		9.1	9.0		0.33	22.7		5.12	15.22	3.01
9.0	1550	14.0			0.40	2.0		9.1	9.0		0.31	22.1		5.41	15.19	3.23
9.0	1550	15.0			0.39	1.9		9.1	9.0		0.34	23.2		5.69	15.16	3.46
9.0	1550	16.0			0.39	1.9		8.9	8.8		0.37	24.4		6.58	15.12	4.14
9.0	1550	17.0			0.40	2.0		8.7	8.6		0.41	25.9		8.03	15.02	5.27
9.0	1550	18.0			0.40	2.0		8.6	8.5		0.49	29.3		9.92	14.88	6.74
9.0	1550	19.0			0.41	2.1		8.6	8.5		0.57	32.7		10.10	14.86	6.89
9.0	1550	20.0			0.41	2.1		8.6	8.5		0.63	35.2		10.21	14.85	6.97
9.0	1550	21.0			0.42	2.2		8.6	8.5		0.66	36.3		10.43	14.83	7.14
9.0	1550	22.0			0.44	2.3		8.4	8.3		0.77	40.8		11.24	14.77	7.77
9.0	1550	23.0			0.47	2.5		8.3	8.2		0.83	43.4		12.69	14.64	8.91
9.0	1550	24.0			0.49	2.7		8.2	8.1		0.84	43.6		13.88	14.52	9.84

LOCATION: North San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	OXYG	CALC	OXYG	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
9.0	1550	25.0				0.49	2.7			8.2	8.1				0.89	45.9		14.04	14.51	9.96
9.0	1550	26.0				0.51	2.9			8.1	8.0				1.01	50.9		14.59	14.44	10.40
9.0	1550	27.0				0.53	3.0			8.2	8.0				1.11	54.8		14.83	14.41	10.59
9.0	1550	28.0		2.5	0.42	0.52	3.0			8.2	8.1				1.29	62.1		15.22	14.38	10.89
10.0	1533	1.0				0.40	2.0			9.2	9.1				0.35	23.8	2.1	5.70	15.51	3.40
10.0	1533	2.0				0.40	2.0			9.2	9.1				0.36	23.9		5.87	15.49	3.54
10.0	1533	3.0				0.40	2.0			9.2	9.0				0.35	23.5		6.19	15.46	3.79
10.0	1533	4.0				0.41	2.0			9.2	9.1				0.35	23.7		6.24	15.46	3.83
10.0	1533	5.0				0.41	2.1			9.1	9.0				0.35	23.5		6.16	15.47	3.77
10.0	1533	6.0				0.41	2.1			9.1	8.9				0.34	23.2		7.16	15.39	4.55
10.0	1533	7.0				0.40	2.0			9.0	8.8				0.32	22.4		7.46	15.37	4.78
10.0	1533	8.0				0.40	2.0			8.8	8.7				0.33	22.8		8.50	15.25	5.59
10.0	1533	9.0				0.41	2.0			8.7	8.6				0.42	26.5		9.32	15.11	6.24
10.0	1533	10.0				0.41	2.1			8.5	8.3				0.51	30.1		10.33	14.93	7.05
10.0	1533	11.0				0.42	2.1			8.4	8.2				0.67	36.8		12.11	14.70	8.45
10.0	1533	12.0				0.43	2.2			8.3	8.2				0.86	44.7		12.90	14.61	9.08
10.0	1533	13.0				0.44	2.3			8.2	8.1				0.99	50.0		13.61	14.53	9.63
10.0	1533	14.0				0.44	2.3			8.2	8.0				0.87	45.0		14.31	14.46	10.18
10.0	1533	15.0				0.44	2.3			8.1	8.0				0.72	38.7		14.99	14.38	10.71
10.0	1533	16.0				0.42	2.2			8.1	8.0				0.66	36.4		15.20	14.36	10.88
10.0	1533	17.0				0.42	2.2			8.1	8.0				0.63	35.2		15.61	14.30	11.20
11.0	1509	1.0				0.38	1.8			8.9	8.8				0.18	16.7	1.6	6.39	15.48	3.94
11.0	1509	2.0				0.38	1.8			8.5	8.4				0.22	18.1		8.32	15.08	5.48
11.0	1509	3.0				0.38	1.8			8.3	8.2				0.38	24.6		11.41	14.73	7.91
11.0	1509	4.0				0.39	1.9			8.1	8.0				0.53	30.9		12.69	14.57	8.92
11.0	1509	5.0				0.39	1.9			8.0	7.9				0.60	33.7		14.30	14.44	10.17
11.0	1509	6.0				0.40	2.0			8.0	7.9				0.63	35.2		15.08	14.37	10.78
11.0	1509	7.0				0.42	2.2			8.0	7.9				0.74	39.4		15.40	14.34	11.04
11.0	1509	8.0				0.44	2.3			7.9	7.8				0.74	39.4		15.51	14.33	11.12

LOCATION: North San Francisco Bay

DATE: April 15, 1993

JULIAN DAY: 93105

SeaBird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR		CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	OXYG				OXYG	OXYG								
11.0	1509	9.0			0.44	2.3		7.9	7.7		0.75	40.0		16.37	14.24	11.80	
11.0	1509	10.0			0.43	2.2		7.8	7.7		0.77	41.0		17.06	14.16	12.34	
11.0	1509	11.0			0.43	2.2		7.8	7.7		0.78	41.1		17.66	14.10	12.81	
11.0	1509	12.0			0.44	2.3		7.8	7.6		0.76	40.4		18.26	14.04	13.28	
11.0	1509	13.0			0.44	2.3		7.8	7.7		0.79	41.4		18.73	13.99	13.66	
12.0	1446	1.0			0.37	1.7		8.3	8.2		0.08	0.0	1.0	9.87	15.18	6.66	
12.0	1446	2.0			0.37	1.8		7.8	7.7		0.08	12.4		13.33	14.63	9.40	
12.0	1446	3.0			0.37	1.8		7.7	7.6		0.10	13.4		17.64	14.11	12.80	
12.0	1446	4.0			0.37	1.8		7.7	7.6		0.15	15.4		17.91	14.07	13.01	
12.0	1446	5.0			0.37	1.7		7.7	7.6		0.18	16.5		18.08	14.05	13.15	
12.0	1446	6.0			0.37	1.7		7.6	7.5		0.19	17.0		19.11	13.92	13.96	
12.0	1446	7.0			0.38	1.8		7.6	7.5		0.17	16.4		20.23	13.74	14.85	
12.0	1446	8.0			0.39	1.9		7.5	7.4		0.20	17.4		21.65	13.56	15.98	
12.0	1446	9.0			0.38	1.9		7.6	7.5		0.24	19.1		22.00	13.52	16.26	
13.0	1405	1.0			0.80	5.2		9.3	9.2	9.4	30.2	27.9	2.8	9.21	16.44	5.92	
13.0	1405	2.0			0.81	5.2		9.2	9.1		0.44	27.1		9.24	16.42	5.95	
13.0	1405	3.0			0.71	4.4		8.3	8.2		0.43	27.0		9.56	16.11	6.25	
13.0	1405	4.0			0.53	3.0		8.5	8.4		0.31	22.1		10.66	15.06	7.28	
13.0	1405	5.0			0.43	2.2		7.8	7.7		0.18	16.7		12.57	14.74	8.80	
13.0	1405	6.0			0.41	2.1		7.5	7.3		0.15	15.4		17.94	14.05	13.04	
13.0	1405	7.0			0.43	2.3		7.4	7.3		0.35	23.7		22.58	13.40	16.72	
13.0	1405	8.0			0.46	2.5		7.5	7.3		0.52	30.7		22.78	13.37	16.88	
13.0	1405	9.0			0.51	2.9		7.5	7.4		0.61	34.3		22.78	13.37	16.89	
13.0	1405	10.0	3.7	0.45	0.52	2.9		7.6	7.5		1.00	50.1		22.77	13.37	16.88	
14.0	1345	1.0			0.41	2.1		9.3	9.2		0.22	18.3	0.9	10.01	15.81	6.65	
14.0	1345	2.0			0.41	2.1		9.0	8.9		0.02	10.2		10.06	15.76	6.70	
14.0	1345	3.0			0.43	2.2		8.0	7.9		0.05	11.4		10.96	15.36	7.46	
14.0	1345	4.0			0.42	2.1		7.9	7.7		0.08	12.5		18.42	14.08	13.40	

LOCATION: North San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
14.0	1345	5.0			0.38	1.8	7.8	7.7		0.06	11.6		19.68	13.81	14.42
14.0	1345	6.0			0.36	1.7	7.9	7.7		0.05	11.3		19.68	13.81	14.42
14.0	1345	7.0			0.35	1.6	7.8	7.6		0.04	11.0		19.75	13.80	14.47
14.0	1345	8.0			0.35	1.6	7.5	7.4		0.04	10.9		20.92	13.60	15.41
14.0	1345	9.0			0.37	1.7	7.3	7.2		0.04	10.7		23.42	13.21	17.40
14.0	1345	10.0			0.38	1.8	7.1	7.0		0.06	11.6		24.50	13.01	18.27
14.0	1345	11.0			0.39	1.9	7.0	6.9		0.10	13.2		25.74	12.75	19.28
14.0	1345	12.0			0.40	2.0	7.0	6.9		0.13	14.4		26.40	12.59	19.82
14.0	1345	13.0			0.42	2.2	7.0	6.9		0.15	15.3		26.51	12.56	19.90
14.0	1345	14.0			0.43	2.2	7.0	6.9		0.19	17.1		26.52	12.55	19.92
15.0	1320	1.0	1.3	0.29	0.34	1.6	9.1	8.9	6.9	0.04	10.9	1.0	11.52	15.26	7.90
15.0	1320	2.0			0.36	1.7	9.0	8.9		0.06	11.9		11.47	15.30	7.86
15.0	1320	3.0			0.37	1.8	9.0	8.9		0.06	11.9		11.47	15.30	7.86
15.0	1320	4.0			0.38	1.8	9.0	8.8		0.06	11.7		11.56	15.23	7.94
15.0	1320	5.0			0.39	1.9	9.0	8.8		0.05	11.4		11.92	15.10	8.24
15.0	1320	6.0			0.40	2.0	8.5	8.3		0.04	11.0		12.48	15.01	8.68
15.0	1320	7.0			0.41	2.0	8.1	8.0		0.03	10.5		17.08	14.31	12.33
15.0	1320	8.0			0.42	2.1	8.1	7.9		0.02	10.1		19.13	14.03	13.96
15.0	1320	9.0			0.42	2.2	8.1	8.0		0.02	10.0		19.26	14.01	14.06
15.0	1320	10.0			0.44	2.3	8.1	8.0		0.01	9.8		19.30	14.01	14.09
15.0	1320	11.0			0.43	2.2	8.1	8.0		0.01	9.7		19.57	13.98	14.30
15.0	1320	12.0			0.41	2.1	8.0	7.9		0.01	9.7		19.88	13.93	14.55
15.0	1320	13.0			0.40	2.0	7.8	7.7		0.01	9.9		20.22	13.87	14.82
15.0	1320	14.0			0.39	1.9	7.6	7.4		0.01	9.8		21.81	13.55	16.10
15.0	1320	15.0			0.38	1.8	7.4	7.3		0.01	9.7		22.89	13.33	16.97
15.0	1320	16.0			0.38	1.9	7.3	7.2		0.03	10.3		23.61	13.19	17.55
15.0	1320	17.0			0.43	2.2	7.1	7.0		0.04	10.9		23.99	13.11	17.86
15.0	1320	18.0			0.53	3.1	7.0	6.9		0.15	15.4		25.59	12.76	19.16
15.0	1320	19.0			0.60	3.6	7.0	6.9		0.67	36.8		26.17	12.62	19.64
15.0	1320	20.0			0.62	3.7	7.0	6.9		1.04	52.1		26.18	12.62	19.64

LOCATION: North San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 Seabird v6.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	CHL a	FLUOR	DISCR	CHL a	OXYG	DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
15.0	1320	21.0				0.65		3.9	7.0		6.8		6.8		1.30		62.6		26.24	12.60	19.69
15.0	1320	22.0				0.70		4.3	7.0		6.8		6.8		1.45		68.9		26.39	12.57	19.81
15.0	1320	23.0				0.72		4.6	6.9		6.8		6.8		1.76		81.6		26.41	12.56	19.83
15.0	1320	24.0		0.26	5.4	0.71		4.5	6.9		6.8		6.8		2.00		91.1		26.41	12.56	19.83
18.0	1207	1.0	4.6	0.75		0.44	8.9	2.3	9.0		8.8	2.7	8.8		-.02	0.6	8.3		18.88	14.29	13.72
18.0	1207	2.0				0.45		2.4	9.0		8.9		8.9		-.02		8.3		18.82	14.30	13.67
18.0	1207	3.0				0.49		2.7	9.1		8.9		8.9		-.02		8.3		18.79	14.30	13.64
18.0	1207	4.0				0.56		3.3	9.1		9.0		9.0		-.03		8.0		19.74	14.35	14.37
18.0	1207	5.0				0.63		3.8	9.2		9.1		9.1		-.04		7.8		19.85	14.36	14.45
18.0	1207	6.0				0.68		4.2	9.2		9.1		9.1		-.04		7.6		20.21	14.46	14.70
18.0	1207	7.0				0.70		4.4	9.2		9.1		9.1		-.04		7.5		20.30	14.50	14.77
18.0	1207	8.0				0.66		4.1	8.5		8.4		8.4		-.04		7.5		20.60	14.48	15.00
18.0	1207	9.0				0.60		3.6	8.3		8.1		8.1		-.04		7.5		22.75	13.81	16.78
18.0	1207	10.0				0.54		3.1	7.8		7.7		7.7		-.04		7.7		23.82	13.40	17.68
18.0	1207	11.0				0.47		2.6	7.6		7.5		7.5		-.04		7.8		24.84	13.01	18.54
18.0	1207	12.0				0.43		2.2	7.5		7.3		7.3		-.03		8.1		25.73	12.72	19.28
18.0	1207	13.0				0.42		2.1	7.2		7.1		7.1		-.02		8.3		26.63	12.48	20.02
18.0	1207	14.0				0.43		2.2	7.1		7.0		7.0		-.01		8.9		27.44	12.26	20.68
18.0	1207	15.0				0.44		2.3	7.1		7.0		7.0		-.00		9.2		27.88	12.13	21.04
18.0	1207	16.0				0.43		2.2	7.0		6.9		6.9		0.00		9.4		28.05	12.07	21.19
18.0	1207	17.0				0.42		2.1	6.9		6.7		6.7		-.00		9.2		28.92	11.80	21.91
18.0	1207	18.0				0.41		2.1	6.8		6.7		6.7		0.00		9.3		29.08	11.74	22.04
18.0	1207	19.0				0.42		2.1	6.7		6.6		6.6		0.00		9.4		29.21	11.71	22.15
18.0	1207	20.0				0.44		2.3	6.6		6.5		6.5		0.02		9.9		29.56	11.59	22.44
18.0	1207	21.0				0.46		2.4	6.5		6.4		6.4		0.02		10.0		30.09	11.43	22.89
18.0	1207	22.0				0.46		2.5	6.3		6.2		6.2		0.05		11.5		30.58	11.29	23.29
18.0	1207	23.0				0.48		2.7	6.3		6.1		6.1		0.09		12.9		31.22	11.06	23.82
18.0	1207	24.0				0.50		2.8	6.2		6.1		6.1		0.10		13.2		31.31	11.03	23.90
18.0	1207	25.0				0.50		2.8	6.2		6.1		6.1		0.11		13.7		31.35	11.01	23.94
18.0	1207	26.0				0.50		2.7	6.2		6.1		6.1		0.12		14.1		31.41	10.99	23.98

LOCATION: North San Francisco Bay
 DATE: April 15, 1993
 JULIAN DAY: 93105
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1207	27.0			0.49	2.7		6.1	6.0		0.13	14.6		31.41	10.98	23.99
18.0	1207	28.0			0.49	2.7		6.1	6.0		0.14	15.0		31.43	10.98	24.00
18.0	1207	29.0			0.48	2.6		6.1	6.0		0.13	14.5		31.50	10.95	24.06
18.0	1207	30.0			0.48	2.6		6.1	5.9		0.13	14.4		31.53	10.94	24.09
18.0	1207	31.0			0.50	2.7		6.0	5.9		0.14	14.9		31.55	10.93	24.10
18.0	1207	32.0			0.50	2.8		6.0	5.9		0.13	14.6		31.55	10.93	24.10
18.0	1207	33.0			0.51	2.8		6.0	5.9		0.12	14.0		31.56	10.93	24.11
18.0	1207	34.0			0.51	2.8		6.0	5.9		0.12	14.2		31.55	10.93	24.10
18.0	1207	35.0			0.51	2.9		6.0	5.8		0.13	14.5		31.55	10.93	24.10
18.0	1207	36.0			0.50	2.8		5.9	5.8		0.12	14.2		31.54	10.93	24.10
18.0	1207	37.0			0.51	2.9		5.9	5.8		0.12	14.1		31.56	10.92	24.11
18.0	1207	38.0	2.1	0.24	0.52	2.9		5.9	5.8		0.12	14.1		31.59	10.91	24.14

	n	r^2	Slope	Inter.	Std. Err.
Fluorometer Calibration:	13	0.329	7.893	-1.164	1.010
OBS Calibration:	14	0.844	41.006	9.236	4.080
Dissolved Oxygen Calibration:	10	0.997	1.000	-0.118	0.055

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

LOCATION: South San Francisco Bay
 DATE: April 22, 1993
 JULIAN DAY: 93112
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
36.0	1020	1.0	26.5	0.69	2.32	23.5	7.7	7.9	8.1	8.1	100.7	1.53	102.2	6.0	15.10	16.69	10.37			
36.0	1020	2.0			2.34	23.7		7.8	8.1			1.34	90.4		15.24	16.78	10.46			
36.0	1020	3.0			2.33	23.6		7.8	8.0			1.25	84.7		15.31	16.83	10.50			
36.0	1020	4.0			2.26	22.8		7.8	8.0			1.24	84.4		15.37	16.83	10.54			
36.0	1020	5.0			2.19	22.2		7.8	8.0			1.60	106.9		15.44	16.81	10.60			
36.0	1020	6.0			2.16	21.8		7.8	8.0			1.78	117.7		15.44	16.80	10.60			
36.0	1020	7.0	19.8	0.53	2.17	21.9		7.8	8.0			2.23	145.3		15.66	16.77	10.62			
35.0	1035	1.0			1.64	16.5		7.7	7.9			1.22	83.0	5.4	15.80	17.08	10.82			
35.0	1035	2.0			1.62	16.3		7.7	7.9			1.29	87.7		15.95	17.11	10.93			
35.0	1035	3.0			1.60	16.1		7.7	7.9			1.36	91.9		16.00	17.13	10.97			
35.0	1035	4.0			1.57	15.8		7.7	7.9			1.49	99.7		16.04	17.13	10.99			
35.0	1035	5.0			1.54	15.4		7.7	7.9			1.64	109.2		16.08	17.13	11.02			
35.0	1035	6.0			1.47	14.7		7.7	7.9			1.74	115.5		16.15	17.13	11.07			
35.0	1035	7.0			1.38	13.8		7.7	7.9			1.90	125.2		16.23	17.12	11.14			
35.0	1035	8.0			1.29	12.9		7.6	7.9			2.19	143.1		16.31	17.10	11.20			
35.0	1035	9.0			1.30	12.9		7.7	7.9			2.49	161.3		16.34	17.10	11.23			
34.0	1047	1.0			1.32	13.2		8.0	8.2			0.85	60.1	4.7	16.32	17.37	11.16			
34.0	1047	2.0			1.30	13.0		7.9	8.1			1.20	81.9		16.56	17.37	11.34			
34.0	1047	3.0			1.21	12.0		7.9	8.1			2.39	155.4		16.75	17.39	11.48			
34.0	1047	4.0			1.21	12.1		7.8	8.1			3.36	215.3		16.88	17.40	11.57			
33.0	1103	1.0			0.85	8.3		8.2	8.4			0.59	44.2	3.1	17.67	17.18	12.23			
33.0	1103	2.0			0.84	8.2		8.2	8.4			0.59	44.2		17.67	17.18	12.23			
33.0	1103	3.0			0.86	8.4		8.2	8.4			0.59	44.5		17.67	17.17	12.23			
33.0	1103	4.0			0.88	8.7		8.2	8.4			0.61	45.5		17.68	17.17	12.23			
33.0	1103	5.0			0.89	8.8		8.2	8.4			0.60	44.9		17.68	17.16	12.23			
33.0	1103	6.0			0.89	8.8		8.2	8.4			0.59	44.2		17.68	17.16	12.23			
33.0	1103	7.0			0.89	8.7		8.1	8.3			0.58	43.6		17.70	17.12	12.26			
33.0	1103	8.0			0.87	8.5		8.0	8.2			0.57	42.9		17.72	17.10	12.28			

LOCATION: South San Francisco Bay
 DATE: April 22, 1993
 JULIAN DAY: 93112
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	1103	9.0			0.82	8.1	8.1	8.1	8.3		0.57	43.1		17.92	16.87	12.48
33.0	1103	10.0			0.80	7.8	8.1	8.1	8.3		0.68	50.0		17.95	16.82	12.51
33.0	1103	11.0			0.84	8.2	8.1	8.1	8.3		1.17	80.0		17.99	16.78	12.55
33.0	1103	12.0			0.93	9.2	8.1	8.1	8.3		3.02	194.3		17.96	16.76	12.53
33.0	1103	13.0			0.94	9.3	8.1	8.1	8.3		6.72	422.5		17.92	16.75	12.51
32.0	1113	1.0	4.6	0.35	0.79	7.7	8.1	8.1	8.3	41.3	0.45	35.8	3.1	17.98	17.14	12.47
32.0	1113	2.0			0.78	7.7	8.1	8.1	8.3		0.44	34.8		17.98	17.15	12.47
32.0	1113	3.0			0.79	7.7	8.0	8.0	8.2		0.43	34.3		17.98	17.14	12.47
32.0	1113	4.0			0.80	7.8	8.0	8.0	8.2		0.43	34.6		17.98	17.11	12.47
32.0	1113	5.0			0.81	7.9	8.0	8.0	8.2		0.44	35.2		18.00	17.07	12.50
32.0	1113	6.0			0.81	7.9	8.0	8.0	8.2		0.48	37.7		18.07	16.98	12.57
32.0	1113	7.0			0.82	8.1	8.0	8.0	8.2		0.77	55.3		18.08	16.96	12.58
32.0	1113	8.0			0.85	8.3	8.0	8.0	8.2		1.23	84.0		18.10	16.92	12.61
32.0	1113	9.0			0.85	8.4	8.0	8.0	8.2		1.77	117.4		18.11	16.90	12.62
32.0	1113	10.0			0.86	8.5	8.0	8.0	8.2		2.26	147.5		18.11	16.90	12.62
32.0	1113	11.0			0.92	9.1	8.0	8.0	8.2		2.34	152.3		18.15	16.84	12.66
32.0	1113	12.0			1.01	10.0	8.0	8.0	8.2		3.12	200.6		18.15	16.81	12.67
32.0	1113	13.0	7.1	0.26	1.02	10.1	8.0	8.0	8.2		7.31	458.8		18.11	16.79	12.64
31.0	1128	1.0			0.70	6.8	8.4	8.4	8.6		0.29	25.9	1.9	18.64	16.82	13.04
31.0	1128	2.0			0.70	6.8	8.4	8.4	8.6		0.26	24.1		18.63	16.83	13.03
31.0	1128	3.0			0.71	6.9	8.4	8.4	8.6		0.25	23.6		18.63	16.83	13.03
31.0	1128	4.0			0.72	7.0	8.3	8.3	8.5		0.24	22.8		18.63	16.83	13.03
31.0	1128	5.0			0.72	7.0	8.3	8.3	8.5		0.24	22.7		18.67	16.77	13.08
31.0	1128	6.0			0.73	7.1	8.3	8.3	8.5		0.43	34.2		18.71	16.73	13.11
31.0	1128	7.0			0.76	7.4	8.3	8.3	8.5		0.73	52.9		18.72	16.73	13.12
31.0	1128	8.0			0.77	7.5	8.3	8.3	8.5		0.86	60.9		18.73	16.71	13.13
31.0	1128	9.0			0.77	7.5	8.3	8.3	8.5		1.16	79.4		18.74	16.69	13.14
31.0	1128	10.0			0.79	7.7	8.3	8.3	8.4		1.64	108.9		18.74	16.69	13.14
31.0	1128	11.0			0.80	7.8	8.2	8.2	8.4		1.82	120.2		18.74	16.68	13.14

LOCATION: South San Francisco Bay

DATE: April 22, 1993

JULIAN DAY: 93112

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	1128	12.0			0.83	8.1		8.2	8.4		2.16	140.9		18.74	16.67	13.15
31.0	1128	13.0			0.90	8.9		8.2	8.4		2.50	162.3		18.76	16.63	13.17
31.0	1128	14.0			0.91	8.9		8.0	8.2		3.26	208.8		18.76	16.62	13.17
30.0	1154	1.0	11.9	0.52	0.63	6.1	8.5	7.9	8.1	23.2	0.24	22.6	1.6	19.53	16.27	13.83
30.0	1154	2.0			0.64	6.2		8.0	8.2		0.22	21.8		19.53	16.27	13.83
30.0	1154	3.0			0.65	6.2		8.2	8.4		0.23	21.9		19.53	16.27	13.83
30.0	1154	4.0			0.66	6.4		8.4	8.6		0.22	21.7		19.53	16.29	13.83
30.0	1154	5.0			0.66	6.4		8.4	8.6		0.21	20.8		19.53	16.28	13.83
30.0	1154	6.0			0.66	6.4		8.4	8.6		0.22	21.7		19.53	16.25	13.84
30.0	1154	7.0			0.69	6.7		8.4	8.6		0.30	26.2		19.53	16.23	13.84
30.0	1154	8.0			0.70	6.8		8.4	8.6		0.42	34.0		19.52	16.22	13.84
30.0	1154	9.0			0.69	6.7		8.5	8.6		0.58	43.4		19.52	16.22	13.84
30.0	1154	10.0			0.70	6.7		8.4	8.6		0.44	35.3		19.52	16.22	13.84
30.0	1154	11.0			0.72	7.0		8.4	8.6		1.80	119.0		19.51	16.20	13.83
30.0	1154	12.0			0.73	7.1		8.4	8.6		2.08	136.2		19.51	16.20	13.83
30.0	1154	13.0			0.76	7.4		8.4	8.6		2.07	135.8		19.51	16.20	13.83
30.0	1154	14.0	7.3	0.26	0.77	7.5		8.4	8.6		2.99	192.7		19.49	16.21	13.82
29.5	1212	1.0			0.77	7.5		8.1	8.3	7.5	0.07	12.0	0.9	19.95	16.16	14.18
29.5	1212	2.0			0.80	7.8		8.0	8.2		0.05	10.9		19.94	16.17	14.17
29.5	1212	3.0			0.81	7.9		7.8	8.0		0.06	11.4		19.94	16.17	14.17
29.5	1212	4.0			0.77	7.5		7.6	7.8		0.06	11.8		19.95	16.16	14.18
29.5	1212	5.0			0.75	7.3		7.4	7.7		0.06	11.4		19.97	16.12	14.20
29.5	1212	6.0			0.74	7.2		7.4	7.6		0.10	14.1		19.97	16.11	14.20
29.5	1212	7.0			0.73	7.1		7.3	7.5		0.07	12.3		19.97	16.11	14.20
29.5	1212	8.0			0.75	7.3		7.2	7.4		0.09	13.4		19.97	16.12	14.20
29.5	1212	9.0			0.76	7.4		7.1	7.4		0.08	13.0		19.97	16.13	14.19
29.5	1212	10.0			0.77	7.5		7.1	7.3		0.17	18.1		19.96	16.14	14.19
29.5	1212	11.0			0.77	7.5		7.1	7.3		0.27	24.3		19.96	16.15	14.19
29.5	1212	12.0			0.80	7.8		7.2	7.5		0.39	31.9		19.96	16.15	14.19

LOCATION: South San Francisco Bay
 DATE: April 22, 1993
 JULIAN DAY: 93112
 Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a	CHL a/	FLUOR	CALC	DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	STGT
			CHL a	CHL a+PHA																
29.5	1212	13.0			0.85	8.3	7.6	7.8	0.63	47.1	19.96	16.14	14.19							
29.5	1212	14.0			0.86	8.5	8.1	8.3	0.75	54.4	20.01	16.14	14.23							
29.5	1212	15.0			0.86	8.4	8.1	8.3	1.21	82.4	20.07	16.14	14.27							
29.5	1212	16.0			0.86	8.5	8.0	8.2	1.71	113.1	20.08	16.14	14.28							
28.0	1513	1.0			0.91	9.0	9.3	9.5	-0.02	6.6	20.51	16.09	14.62							
28.0	1513	2.0			0.95	9.4	9.4	9.5	-0.00	7.8	20.51	16.10	14.62							
28.0	1513	3.0			0.98	9.7	9.4	9.5	-0.01	7.5	20.51	16.10	14.61							
28.0	1513	4.0			0.95	9.4	9.4	9.5	-0.00	7.7	20.51	16.10	14.62							
28.0	1513	5.0			0.92	9.0	9.2	9.4	-0.01	7.5	20.52	16.09	14.62							
28.0	1513	6.0			0.84	8.2	9.2	9.3	-0.00	7.6	20.65	15.94	14.76							
28.0	1513	7.0			0.79	7.8	9.1	9.3	-0.00	7.8	20.73	15.87	14.83							
28.0	1513	8.0			0.81	7.9	9.1	9.3	0.00	8.0	20.80	15.82	14.90							
28.0	1513	9.0			0.80	7.8	9.1	9.3	0.00	8.0	20.87	15.77	14.96							
28.0	1513	10.0			0.77	7.5	9.2	9.3	0.00	7.9	20.93	15.75	15.01							
28.0	1513	11.0			0.77	7.5	9.2	9.4	-0.00	7.8	20.98	15.76	15.04							
28.0	1513	12.0			0.75	7.3	9.3	9.4	-0.01	7.2	21.04	15.75	15.10							
28.0	1513	13.0			0.72	7.0	9.3	9.4	-0.01	7.0	21.08	15.74	15.12							
28.0	1513	14.0			0.73	7.1	9.3	9.5	-0.01	7.0	21.11	15.72	15.15							
28.0	1513	15.0			0.80	7.9	9.3	9.5	-0.01	7.5	21.12	15.73	15.16							
28.0	1513	16.0			0.82	8.0	9.3	9.5	0.01	8.3	21.14	15.73	15.18							
27.0	1526	1.0			1.05	10.4	10.1	10.2	-0.03	5.8	21.19	15.95	15.16							
27.0	1526	2.0			1.09	10.8	10.2	10.3	-0.01	7.1	21.19	15.95	15.17							
27.0	1526	3.0			1.13	11.2	10.2	10.3	-0.01	7.1	21.19	15.95	15.17							
27.0	1526	4.0			1.13	11.2	10.1	10.2	-0.02	6.8	21.19	15.95	15.16							
27.0	1526	5.0			1.06	10.5	9.9	10.0	-0.01	7.2	21.20	15.93	15.18							
27.0	1526	6.0			0.93	9.2	9.9	10.0	-0.01	7.0	21.67	15.59	15.60							
27.0	1526	7.0			0.88	8.6	9.9	10.0	-0.02	6.7	21.71	15.55	15.64							
27.0	1526	8.0			0.84	8.3	9.9	10.0	-0.02	6.9	21.73	15.52	15.67							
27.0	1526	9.0			0.82	8.0	9.9	10.0	-0.01	7.1	21.75	15.51	15.68							

LOCATION: South San Francisco Bay
 DATE: April 22, 1993
 JULIAN DAY: 93112
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PMA	FLUOR	CHL a	DISCR	OXYG	DISCR	OXYG	CALC	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
27.0	1526	10.0				0.80	7.8		9.9		10.0			-.01		7.2		21.77	15.50	15.70
27.0	1526	11.0				0.80	7.8		9.9		10.0			-.01		7.3		21.81	15.49	15.73
27.0	1526	12.0				0.86	8.5		9.9		10.0			-.01		7.3		21.92	15.47	15.82
27.0	1526	13.0		7.6	0.59	0.87	8.5		9.9		10.1			-.01		7.0		21.94	15.46	15.84
26.0	1538	1.0	9.0	0.60		0.88	8.6	10.0	9.9		10.0		4.9				0.7	22.31	15.36	16.14
26.0	1538	2.0				0.91	9.0		9.9		10.0			-.03		6.1		22.31	15.36	16.14
26.0	1538	3.0				0.93	9.2		9.9		10.0			-.02		6.4		22.31	15.36	16.14
26.0	1538	4.0				0.91	9.0		9.9		10.0			-.03		6.0		22.31	15.36	16.14
26.0	1538	5.0				0.90	8.9		9.9		10.0			-.03		6.2		22.29	15.35	16.13
26.0	1538	6.0				0.88	8.6		9.9		10.0			-.03		5.9		22.30	15.35	16.14
26.0	1538	7.0				0.89	8.8		9.9		10.0			-.03		6.1		22.35	15.33	16.18
26.0	1538	8.0				0.88	8.7		9.9		10.0			-.03		6.0		22.38	15.32	16.20
26.0	1538	9.0				0.83	8.2		9.9		10.0			-.03		6.0		22.38	15.31	16.21
26.0	1538	10.0				0.88	8.6		9.9		10.0			-.03		6.0		22.40	15.29	16.22
26.0	1538	11.0				0.90	8.8		9.9		10.0			-.02		6.6		22.42	15.26	16.25
25.0	1552	1.0				0.71	6.9		9.9		10.0			-.03		6.1	0.5	22.98	15.10	16.71
25.0	1552	2.0				0.71	6.9		9.9		10.0			-.03		5.8		22.98	15.10	16.71
25.0	1552	3.0				0.71	6.9		9.9		10.0			-.04		5.7		22.98	15.09	16.71
25.0	1552	4.0				0.72	7.0		9.8		9.9			-.04		5.6		22.98	15.09	16.71
25.0	1552	5.0				0.71	6.9		9.7		9.8			-.04		5.6		23.14	14.89	16.87
25.0	1552	6.0				0.68	6.6		9.7		9.8			-.04		5.4		23.20	14.84	16.93
25.0	1552	7.0				0.69	6.7		9.7		9.8			-.04		5.6		23.22	14.83	16.94
25.0	1552	8.0				0.68	6.6		9.7		9.8			-.04		5.7		23.22	14.84	16.95
25.0	1552	9.0				0.67	6.5		9.7		9.8			-.03		6.0		23.25	14.84	16.97
25.0	1552	10.0				0.68	6.6		9.6		9.8			-.03		6.4		23.26	14.83	16.97
25.0	1552	11.0				0.68	6.6		9.7		9.8			0.00		8.0		23.26	14.82	16.98

LOCATION: South San Francisco Bay
 DATE: April 22, 1993
 JULIAN DAY: 93112
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a			CHL a	OXYG	OXYG	OXYG	OXYG	OXYG	OXYG	SPM		SPM					
24.0	1608	1.0	5.8	0.64	0.59	5.6	9.4	9.3	9.5	2.4	-0.09	2.5	0.5	23.93	14.58	17.54				
24.0	1608	2.0			0.60	5.7		9.3	9.5		-0.04	5.6		23.93	14.59	17.54				
24.0	1608	3.0			0.59	5.6		9.4	9.5		-0.04	5.4		23.92	14.59	17.53				
24.0	1608	4.0			0.57	5.5		9.4	9.5		-0.04	5.2		23.93	14.58	17.54				
24.0	1608	5.0			0.59	5.6		9.4	9.5		-0.04	5.4		23.94	14.58	17.55				
24.0	1608	6.0			0.58	5.6		9.4	9.5		-0.04	5.2		23.94	14.57	17.55				
24.0	1608	7.0			0.59	5.6		9.3	9.5		-0.04	5.7		23.99	14.55	17.59				
24.0	1608	8.0			0.60	5.7		9.3	9.4		-0.04	5.4		24.07	14.52	17.66				
24.0	1608	9.0			0.60	5.7		9.3	9.4		-0.02	6.4		24.16	14.48	17.74				
24.0	1608	10.0			0.58	5.6		9.3	9.4		-0.01	7.3		24.22	14.46	17.78				
24.0	1608	11.0			0.49	4.6		9.3	9.4		0.01	8.4		24.23	14.46	17.79				
24.0	1608	12.0			0.46	4.4		9.3	9.4		0.33	28.3		24.23	14.46	17.79				
23.0	1623	1.0			0.57	5.4		9.3	9.4		-0.03	6.1	0.5	24.19	14.44	17.76				
23.0	1623	2.0			0.58	5.5		9.3	9.5		-0.04	5.5		24.19	14.44	17.77				
23.0	1623	3.0			0.60	5.8		9.3	9.5		-0.04	5.4		24.19	14.44	17.77				
23.0	1623	4.0			0.61	5.9		9.3	9.5		-0.04	5.3		24.19	14.44	17.77				
23.0	1623	5.0			0.60	5.8		9.3	9.5		-0.04	5.2		24.19	14.44	17.77				
23.0	1623	6.0			0.59	5.6		9.3	9.5		-0.04	5.2		24.19	14.44	17.77				
23.0	1623	7.0			0.57	5.5		9.3	9.5		-0.04	5.4		24.22	14.41	17.80				
23.0	1623	8.0			0.57	5.4		9.3	9.4		-0.04	5.3		24.24	14.39	17.81				
23.0	1623	9.0			0.57	5.5		9.3	9.4		-0.04	5.4		24.26	14.37	17.84				
23.0	1623	10.0			0.56	5.3		9.2	9.4		-0.03	6.0		24.31	14.31	17.89				
23.0	1623	11.0			0.53	5.1		9.2	9.4		-0.01	7.1		24.36	14.25	17.94				
23.0	1623	12.0			0.53	5.1		9.2	9.4		-0.01	7.3		24.36	14.26	17.93				
23.0	1623	13.0			0.55	5.3		9.2	9.4		-0.01	7.4		24.37	14.25	17.94				
23.0	1623	14.0			0.56	5.4		9.2	9.3		0.07	12.4		24.37	14.24	17.95				
23.0	1623	15.0			0.56	5.3		9.2	9.3		0.05	11.0		24.37	14.24	17.95				
23.0	1623	16.0			0.54	5.1		9.2	9.3		0.05	11.2		24.37	14.24	17.95				
23.0	1623	17.0			0.54	5.1		9.2	9.4		0.19	19.7		24.37	14.24	17.95				

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 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
32.0	0926	1.0			1.12	11.1		7.8	8.0		1.50	100.6		17.07	17.15	11.78
32.0	0926	2.0			1.14	11.4		7.8	8.0		1.47	98.3		17.09	17.14	11.79
32.0	0926	3.0			1.14	11.3		7.8	8.0		1.50	100.4		17.08	17.15	11.79
32.0	0926	4.0			1.08	10.8		7.8	8.0		1.42	95.3		17.19	17.12	11.87
32.0	0926	5.0			1.01	9.9		7.8	8.0		1.49	99.8		17.35	17.14	11.99
32.0	0926	6.0			0.94	9.3		7.8	8.0		1.68	111.4		17.53	17.09	12.14
32.0	0926	7.0			0.94	9.2		7.7	8.0		1.96	129.1		17.57	17.10	12.17
32.0	0926	8.0			0.98	9.6		7.7	8.0		2.38	154.6		17.58	17.06	12.18
32.0	0926	9.0			1.05	10.4		7.8	8.0		4.75	301.1		17.52	17.01	12.15
32.0	0926	10.0			1.05	10.4		7.8	8.0		7.50	470.4		17.49	17.00	12.13

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	9	0.846	10.305	-0.420	3.081
OBS Calibration:	5	0.991	61.696	7.898	4.230
Dissolved Oxygen Calibration:	4	0.891	0.952	0.590	0.419

LOCATION: South San Francisco Bay
 DATE: April 30, 1993
 JULIAN DAY: 93120
 Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC		DISCR	CALC		DISCR	OBS	CALC		EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			CHL a	CHL a		SPM	SPM			SPM	SPM				
36.0	1045	1.0	1.7	0.35	0.46	2.8	7.1	7.1	30.7	0.48	30.1	2.6	17.18	18.38	11.59				
36.0	1045	2.0			0.46	2.8	7.0	7.1		0.54	33.3		17.28	18.15	11.72				
36.0	1045	3.0			0.45	2.7	7.0	7.1		0.66	39.9		17.40	18.07	11.83				
36.0	1045	4.0			0.46	2.8	7.0	7.1		0.75	44.5		17.46	18.03	11.88				
36.0	1045	5.0			0.49	3.2	7.0	7.1		1.30	74.3		17.51	18.03	11.92				
36.0	1045	6.0			0.49	3.3	7.0	7.1		2.06	115.1		17.54	18.03	11.95				
35.0	1116	1.0			0.52	3.7	7.3	7.3		0.47	29.9	2.7	17.43	18.44	11.77				
35.0	1116	2.0			0.51	3.6	7.2	7.3		0.58	35.5		17.50	18.36	11.84				
35.0	1116	3.0			0.51	3.6	7.2	7.3		0.62	37.6		17.53	18.33	11.87				
35.0	1116	4.0			0.51	3.7	7.2	7.3		0.75	44.7		17.58	18.28	11.92				
35.0	1116	5.0			0.52	3.7	7.2	7.2		1.02	59.3		17.62	18.21	11.97				
35.0	1116	6.0			0.53	3.9	7.2	7.2		1.30	74.1		17.65	18.18	11.99				
35.0	1116	7.0			0.56	4.5	7.1	7.2		1.95	108.9		17.67	18.16	12.01				
35.0	1116	8.0			0.57	4.6	7.2	7.2		2.55	141.4		17.67	18.17	12.02				
34.0	1126	1.0			0.50	3.5	7.1	7.1		0.41	26.3	2.5	17.40	18.62	11.70				
34.0	1126	2.0			0.50	3.5	7.1	7.2		0.58	35.8		17.42	18.41	11.77				
34.0	1126	3.0			0.51	3.6	7.2	7.3		0.72	43.2		17.43	18.33	11.79				
34.0	1126	4.0			0.52	3.8	7.2	7.3		0.97	56.7		17.50	18.31	11.85				
34.0	1126	5.0			0.54	4.0	7.2	7.3		1.07	61.6		17.52	18.34	11.86				
34.0	1126	6.0			0.55	4.3	7.2	7.3		1.02	59.0		17.50	18.38	11.84				
34.0	1126	7.0			0.58	4.7	7.2	7.3		1.41	79.9		17.55	18.42	11.87				
34.0	1126	8.0			0.58	4.7	7.0	7.1		3.09	170.5		17.21	18.38	11.62				
33.0	1140	1.0			0.66	6.1	7.4	7.5		0.91	53.1	4.3	17.98	18.59	12.15				
33.0	1140	2.0			0.67	6.1	7.4	7.5		1.01	58.5		17.97	18.59	12.15				
33.0	1140	3.0			0.66	6.1	7.4	7.5		1.00	58.4		18.02	18.59	12.18				
33.0	1140	4.0			0.65	5.8	7.4	7.4		1.09	62.8		18.09	18.60	12.24				
33.0	1140	5.0			0.64	5.7	7.4	7.4		1.43	81.4		18.12	18.60	12.26				
33.0	1140	6.0			0.64	5.6	7.4	7.4		1.65	92.9		18.13	18.60	12.26				

LOCATION: South San Francisco Bay
 DATE: April 30, 1993
 JULIAN DAY: 93120
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	1140	7.0			0.64	5.7	7.4	7.4		1.72	96.8		18.14	18.61	12.27
33.0	1140	8.0			0.64	5.7	7.4	7.5		1.77	99.4		18.11	18.60	12.26
33.0	1140	9.0			0.64	5.7	7.4	7.4		1.78	100.1		18.16	18.61	12.29
33.0	1140	10.0			0.64	5.6	7.4	7.4		1.97	110.0		18.19	18.61	12.31
33.0	1140	11.0			0.64	5.6	7.4	7.4		2.40	133.1		18.26	18.62	12.36
33.0	1140	12.0			0.64	5.7	7.4	7.4		2.58	142.7		18.25	18.62	12.35
32.0	1148	1.0	3.3	0.46	0.49	3.3	7.2	7.4	25.9	0.40	25.7	2.3	18.17	18.57	12.31
32.0	1148	2.0			0.49	3.2	7.4	7.4		0.40	25.6		18.17	18.55	12.31
32.0	1148	3.0			0.47	3.0	7.4	7.4		0.40	26.0		18.20	18.49	12.34
32.0	1148	4.0			0.47	2.9	7.4	7.4		0.44	28.2		18.24	18.44	12.39
32.0	1148	5.0			0.47	3.0	7.4	7.5		0.49	30.8		18.31	18.44	12.44
32.0	1148	6.0			0.49	3.3	7.4	7.5		0.59	36.1		18.38	18.44	12.49
32.0	1148	7.0			0.51	3.6	7.4	7.5		0.70	42.0		18.43	18.43	12.54
32.0	1148	8.0			0.53	3.9	7.4	7.5		0.77	45.6		18.53	18.39	12.62
32.0	1148	9.0			0.55	4.2	7.4	7.5		1.01	58.5		18.59	18.39	12.67
32.0	1148	10.0			0.57	4.5	7.4	7.5		1.23	70.3		18.60	18.39	12.67
32.0	1148	11.0			0.58	4.8	7.4	7.5		1.41	80.3		18.61	18.39	12.68
32.0	1148	12.0			0.58	4.8	7.3	7.3		1.71	96.2		18.61	18.40	12.68
31.0	1200	1.0			0.61	5.2	7.6	7.6		0.36	23.9	2.1	18.52	18.73	12.53
31.0	1200	2.0			0.56	4.4	7.3	7.4		0.32	21.8		18.52	18.62	12.56
31.0	1200	3.0			0.48	3.2	7.4	7.4		0.33	22.0		18.65	18.23	12.74
31.0	1200	4.0			0.48	3.1	7.4	7.5		0.35	23.1		18.79	18.18	12.86
31.0	1200	5.0			0.50	3.5	7.4	7.5		0.49	30.7		18.81	18.21	12.87
31.0	1200	6.0			0.54	4.1	7.4	7.5		0.69	41.4		18.81	18.22	12.87
31.0	1200	7.0			0.57	4.6	7.4	7.5		1.23	70.4		18.82	18.21	12.88
31.0	1200	8.0			0.60	5.1	7.4	7.5		1.56	88.2		18.83	18.20	12.89
31.0	1200	9.0			0.63	5.5	7.4	7.5		1.86	104.5		18.84	18.18	12.90
31.0	1200	10.0			0.65	5.9	7.4	7.5		2.40	133.2		18.86	18.16	12.92
31.0	1200	11.0			0.67	6.2	7.4	7.5		2.90	160.2		18.88	18.12	12.95

LOCATION: South San Francisco Bay
 DATE: April 30, 1993
 JULIAN DAY: 93120
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	1200	12.0			0.70	6.6	7.4	7.5		3.35	184.5		18.91	18.07	12.98
31.0	1200	13.0			0.71	6.8	7.4	7.5		3.95	216.7		18.92	18.05	12.99
31.0	1200	14.0			0.71	6.8	7.4	7.4		4.85	264.6		18.91	18.04	12.98
30.0	1218	1.0	4.9	0.71	0.54	4.1	7.7	7.5	15.9	0.25	18.0	2.1	18.90	18.62	12.85
30.0	1218	2.0			0.51	3.7	7.4	7.5		0.23	16.9		19.19	18.02	13.20
30.0	1218	3.0			0.47	3.0	7.5	7.6		0.43	27.2		19.22	17.73	13.29
30.0	1218	4.0			0.46	2.8	7.4	7.5		0.48	30.0		19.21	17.74	13.28
30.0	1218	5.0			0.45	2.7	7.5	7.5		0.50	31.1		19.31	17.61	13.38
30.0	1218	6.0			0.44	2.6	7.5	7.6		0.56	34.7		19.41	17.50	13.48
30.0	1218	7.0			0.44	2.6	7.5	7.6		0.62	37.7		19.44	17.48	13.51
30.0	1218	8.0			0.44	2.6	7.5	7.6		0.68	40.9		19.50	17.43	13.56
30.0	1218	9.0			0.44	2.6	7.5	7.6		0.72	43.3		19.48	17.44	13.55
30.0	1218	10.0			0.45	2.7	7.5	7.6		0.78	46.2		19.58	17.37	13.64
30.0	1218	11.0			0.47	2.9	7.6	7.6		1.01	58.5		19.69	17.27	13.75
30.0	1218	12.0			0.48	3.1	7.6	7.6		1.36	77.4		19.70	17.26	13.76
30.0	1218	13.0			0.49	3.2	7.6	7.6		1.50	84.9		19.70	17.26	13.76
30.0	1218	14.0			0.52	3.8	7.6	7.7		1.63	92.0		19.71	17.26	13.76
30.0	1218	15.0			0.54	4.0	7.6	7.7		1.79	100.4		19.70	17.27	13.75
29.5	1230	1.0			0.49	3.3	7.6	7.7		0.15	12.6	1.5	19.18	18.34	13.13
29.5	1230	2.0			0.47	3.0	7.6	7.6		0.16	12.8		19.27	18.14	13.23
29.5	1230	3.0			0.43	2.4	7.5	7.6		0.17	13.5		19.34	17.93	13.33
29.5	1230	4.0			0.41	2.0	7.5	7.5		0.19	14.4		19.39	17.80	13.41
29.5	1230	5.0			0.41	1.9	7.4	7.4		0.23	16.6		19.52	17.65	13.53
29.5	1230	6.0			0.41	2.0	7.5	7.5		0.28	19.6		19.80	17.34	13.82
29.5	1230	7.0			0.43	2.3	7.6	7.6		0.44	28.2		19.93	17.20	13.94
29.5	1230	8.0			0.45	2.7	7.6	7.6		0.69	41.4		20.01	17.16	14.01
29.5	1230	9.0			0.46	2.8	7.6	7.7		0.98	57.0		20.04	17.14	14.04
29.5	1230	10.0			0.46	2.8	7.6	7.7		1.05	60.9		20.04	17.14	14.04
29.5	1230	11.0			0.46	2.8	7.7	7.7		1.11	64.0		20.05	17.13	14.05

LOCATION: South San Francisco Bay

DATE: April 30, 1993

JULIAN DAY: 93120

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.5	1230	12.0			0.47	2.9	7.7	7.7	7.7	7.7	1.20	68.7		20.07	17.13	14.06
29.5	1230	13.0			0.47	2.9	7.7	7.7	7.7	7.7	1.26	71.9		20.08	17.12	14.08
29.5	1230	14.0			0.47	3.0	7.7	7.7	7.7	7.7	1.33	76.0		20.10	17.11	14.09
29.5	1230	15.0			0.47	3.0	7.7	7.7	7.7	7.7	1.41	80.2		20.10	17.11	14.09
29.0	1244	1.0			0.44	2.5	7.4	7.4	7.4	7.4	0.10	9.5	1.4	19.36	18.43	13.24
29.0	1244	2.0			0.43	2.4	7.4	7.5	7.5	7.5	0.10	10.0		19.53	17.65	13.54
29.0	1244	3.0			0.41	2.0	7.5	7.5	7.5	7.5	0.12	10.6		19.61	17.50	13.63
29.0	1244	4.0			0.39	1.8	7.5	7.5	7.5	7.5	0.13	11.4		19.82	17.40	13.82
29.0	1244	5.0			0.39	1.7	7.4	7.5	7.5	7.5	0.17	13.6		20.00	17.36	13.97
29.0	1244	6.0			0.39	1.6	7.5	7.5	7.5	7.5	0.21	15.5		20.35	17.16	14.27
29.0	1244	7.0			0.39	1.7	7.6	7.6	7.6	7.6	0.25	18.0		20.60	17.02	14.49
29.0	1244	8.0			0.40	1.8	7.6	7.6	7.6	7.6	0.31	21.3		20.71	16.99	14.59
29.0	1244	9.0			0.41	2.0	7.6	7.7	7.7	7.7	0.39	25.3		20.85	16.97	14.69
29.0	1244	10.0			0.42	2.1	7.6	7.7	7.7	7.7	0.46	29.0		20.98	16.94	14.80
29.0	1244	11.0			0.42	2.2	7.6	7.7	7.7	7.7	0.56	34.4		21.02	16.94	14.83
29.0	1244	12.0			0.43	2.3	7.7	7.7	7.7	7.7	0.64	38.6		21.10	16.93	14.89
29.0	1244	13.0			0.44	2.5	7.7	7.7	7.7	7.7	0.77	45.8		21.16	16.92	14.94
29.0	1244	14.0			0.44	2.5	7.7	7.7	7.7	7.7	0.94	55.1		21.19	16.91	14.97
28.0	1300	1.0	10.2	0.59	0.92	10.2	8.8	8.8	8.8	9.1	0.12	10.6	1.4	19.76	17.90	13.66
28.0	1300	2.0			0.92	10.2	8.8	8.7	8.7		0.11	10.2		19.74	17.90	13.65
28.0	1300	3.0			0.80	8.3	8.5	8.5	8.5		0.11	10.1		19.84	17.64	13.78
28.0	1300	4.0			0.62	5.4	8.2	8.3	8.3		0.11	10.4		20.04	17.26	14.01
28.0	1300	5.0			0.49	3.4	8.1	8.2	8.2		0.13	11.2		20.22	17.09	14.19
28.0	1300	6.0			0.43	2.3	8.1	8.1	8.1		0.17	13.4		20.39	17.00	14.33
28.0	1300	7.0			0.41	2.0	8.0	8.0	8.0		0.17	13.6		20.67	16.97	14.56
28.0	1300	8.0			0.41	2.0	8.0	8.1	8.1		0.26	18.2		21.56	16.81	15.27
28.0	1300	9.0			0.42	2.1	8.0	8.1	8.1		0.36	23.9		21.68	16.78	15.37
28.0	1300	10.0			0.42	2.2	8.0	8.1	8.1		0.43	27.3		21.74	16.77	15.42
28.0	1300	11.0			0.42	2.2	8.1	8.1	8.1		0.45	28.5		21.82	16.75	15.48

LOCATION: South San Francisco Bay
 DATE: April 30, 1993
 JULIAN DAY: 93120
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
28.0	1300	12.0			0.42	2.2		8.1	8.1		0.48	30.0		21.91	16.73	15.55
28.0	1300	13.0			0.42	2.2		8.0	8.1		0.49	30.4		21.97	16.71	15.60
28.0	1300	14.0			0.43	2.3		8.0	8.1		0.45	28.3		22.13	16.65	15.74
28.0	1300	15.0			0.48	3.1		8.1	8.1		0.44	27.9		22.39	16.54	15.96
28.0	1300	16.0			0.49	3.4		8.1	8.1		0.55	33.7		22.56	16.48	16.10
27.0	1318	1.0	3.7	0.73	0.45	2.6	8.0	8.1	8.1	6.2	0.05	7.3	1.2	20.27	17.61	14.12
27.0	1318	2.0			0.45	2.7		7.9	7.9		0.06	7.5		20.30	17.54	14.15
27.0	1318	3.0			0.43	2.3		7.9	7.9		0.06	7.7		20.57	17.09	14.45
27.0	1318	4.0			0.40	1.8		7.8	7.9		0.06	7.6		20.81	17.01	14.66
27.0	1318	5.0			0.38	1.6		7.8	7.8		0.10	9.9		21.27	16.87	15.04
27.0	1318	6.0			0.38	1.6		7.8	7.9		0.16	12.9		21.90	16.65	15.57
27.0	1318	7.0			0.38	1.6		7.9	7.9		0.17	13.7		22.20	16.58	15.81
27.0	1318	8.0			0.38	1.5		7.9	7.9		0.20	15.4		22.36	16.52	15.95
27.0	1318	9.0			0.39	1.7		7.9	7.9		0.26	18.4		22.52	16.45	16.08
27.0	1318	10.0			0.40	1.9		7.9	7.9		0.36	23.9		22.57	16.42	16.13
27.0	1318	11.0			0.41	2.0		8.0	8.0		0.41	26.2		22.60	16.39	16.16
27.0	1318	12.0			0.41	2.0		8.0	8.0		0.46	29.3		22.62	16.38	16.17
26.0	1348	1.0			0.42	2.1		8.1	8.1		0.05	7.2	1.1	20.80	17.62	14.51
26.0	1348	2.0			0.42	2.2		8.1	8.1		0.06	7.7		20.78	17.65	14.50
26.0	1348	3.0			0.42	2.2		7.6	7.6		0.06	7.7		20.79	17.65	14.50
26.0	1348	4.0			0.40	1.9		7.6	7.6		0.06	7.7		21.44	17.00	15.14
26.0	1348	5.0			0.39	1.6		7.6	7.6		0.07	7.9		22.28	16.57	15.87
26.0	1348	6.0			0.37	1.4		7.7	7.7		0.08	8.6		22.79	16.24	16.33
26.0	1348	7.0			0.36	1.2		7.7	7.7		0.09	9.4		23.07	16.02	16.59
26.0	1348	8.0			0.35	1.1		7.8	7.8		0.11	10.1		23.26	15.85	16.77
26.0	1348	9.0			0.35	1.1		7.8	7.8		0.12	10.8		23.38	15.75	16.88
26.0	1348	10.0			0.36	1.1		7.9	7.9		0.16	12.7		23.47	15.66	16.97

LOCATION: South San Francisco Bay
 DATE: April 30, 1993
 JULIAN DAY: 93120
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
25.0	1404	1.0			0.46	2.8		7.9	8.0		0.04	6.4	0.9	21.85	17.11	15.43
25.0	1404	2.0			0.47	3.0		7.9	7.9		0.04	6.3		21.93	17.03	15.51
25.0	1404	3.0			0.46	2.8		7.9	7.9		0.04	6.4		22.48	16.38	16.06
25.0	1404	4.0			0.43	2.3		7.7	7.7		0.05	7.0		23.14	15.92	16.67
25.0	1404	5.0			0.41	1.9		7.7	7.8		0.05	7.1		23.30	15.79	16.82
25.0	1404	6.0			0.39	1.6		7.8	7.8		0.05	7.2		23.38	15.72	16.89
25.0	1404	7.0			0.36	1.2		7.8	7.9		0.07	8.1		23.42	15.68	16.93
25.0	1404	8.0			0.35	1.1		7.9	8.0		0.07	8.0		23.42	15.67	16.93
24.0	1418	1.0	3.2	0.48	0.42	2.1	8.4	8.3	8.4	4.3	-0.06	1.0	0.7	23.20	16.15	16.66
24.0	1418	2.0			0.43	2.3		8.3	8.3		0.00	4.6		23.25	16.06	16.72
24.0	1418	3.0			0.45	2.7		8.4	8.4		0.01	4.8		23.28	15.98	16.76
24.0	1418	4.0			0.46	2.8		8.3	8.3		0.01	4.9		23.27	16.01	16.75
24.0	1418	5.0			0.47	3.0		8.3	8.4		0.01	5.0		23.31	15.94	16.79
24.0	1418	6.0			0.48	3.1		8.4	8.4		0.01	5.1		23.29	15.97	16.77
24.0	1418	7.0			0.48	3.1		8.3	8.3		0.01	4.9		23.28	15.99	16.76
24.0	1418	8.0			0.45	2.7		8.2	8.2		0.01	4.9		23.33	15.91	16.81
24.0	1418	9.0			0.41	2.0		8.2	8.2		0.01	5.2		23.48	15.69	16.97
24.0	1418	10.0			0.42	2.1		8.3	8.3		0.02	5.4		23.54	15.60	17.04
23.0	1500	1.0			0.42	2.1		8.2	8.2		-0.01	4.0	0.7	23.95	15.58	17.36
23.0	1500	2.0			0.43	2.3		8.2	8.2		-0.01	3.9		23.95	15.58	17.36
23.0	1500	3.0			0.46	2.8		8.2	8.2		-0.01	4.0		23.95	15.58	17.36
23.0	1500	4.0			0.47	2.9		8.1	8.1		-0.01	4.0		23.94	15.54	17.36
23.0	1500	5.0			0.45	2.6		8.0	8.1		-0.01	3.9		23.94	15.37	17.40
23.0	1500	6.0			0.42	2.1		8.0	8.0		-0.01	4.1		23.94	15.33	17.40
23.0	1500	7.0			0.40	1.8		8.0	8.0		0.00	4.4		23.93	15.31	17.40
23.0	1500	8.0			0.40	1.8		8.0	8.0		-0.00	4.3		23.93	15.31	17.40
23.0	1500	9.0			0.39	1.7		8.0	8.0		0.00	4.4		23.93	15.31	17.40
23.0	1500	10.0			0.38	1.5		7.9	8.0		0.00	4.5		23.95	15.25	17.42
23.0	1500	11.0			0.36	1.3		7.8	7.8		0.00	4.4		24.00	15.16	17.48

LOCATION: South San Francisco Bay

DATE: April 30, 1993

JULIAN DAY: 93120

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ μ+PHA	FLUOR	CALC	DISCR	CHL a	OXYG	CALC	OXYG	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
23.0	1500	12.0				0.35	1.1			7.7	7.8			0.00	4.7		24.26	14.95	17.72
23.0	1500	13.0				0.35	1.1			7.8	7.8			0.03	6.1		24.48	14.79	17.92
23.0	1500	14.0				0.71	6.9			7.8	7.8			0.43	27.4		24.51	14.77	17.94
23.0	1500	15.0				0.83	8.8			7.8	7.9						24.52	14.76	17.96
29.5	0715	1.0	2.5	0.51		0.50	3.4	7.9		7.6	7.7		6.5	0.07	8.0	1.2	20.56	16.81	14.51
29.5	0715	2.0				0.46	2.8			7.6	7.6			0.06	7.5		20.86	16.88	14.72
29.5	0715	3.0				0.43	2.3			7.6	7.6			0.07	8.0		21.20	16.87	14.98
29.5	0715	4.0				0.42	2.2			7.6	7.6			0.08	8.6		21.39	16.89	15.12
29.5	0715	5.0				0.42	2.2			7.6	7.6			0.09	9.2		21.42	16.90	15.15
29.5	0715	6.0				0.42	2.2			7.6	7.6			0.09	9.1		21.44	16.92	15.15
29.5	0715	7.0				0.43	2.3			7.5	7.6			0.10	9.7		21.45	16.95	15.16
29.5	0715	8.0				0.43	2.3			7.5	7.6			0.10	9.5		21.46	16.94	15.17
29.5	0715	9.0				0.44	2.5			7.5	7.6			0.11	10.1		21.47	16.93	15.18
29.5	0715	10.0				0.45	2.6			7.5	7.6			0.19	14.4		21.51	16.93	15.21
29.5	0715	11.0				0.46	2.8			7.5	7.6			0.39	25.2		21.55	16.95	15.23
29.5	0715	12.0				0.47	2.9			7.5	7.5			0.56	34.6		21.56	16.96	15.24
29.5	0715	13.0				0.47	3.0			7.5	7.6			0.68	40.6		21.57	16.96	15.24
29.5	0715	14.0				0.47	3.0			7.5	7.6			0.65	39.4		21.57	16.96	15.25
29.5	0715	15.0				0.47	3.0			7.5	7.5			0.67	40.3		21.57	16.96	15.25
29.5	0715	16.0				0.48	3.1			7.5	7.5			0.89	52.4		21.61	16.94	15.28
32.0	0903	1.0	1.5	0.33		0.45	2.7	24.4						0.34	22.4	2.1	18.93	18.01	13.00
32.0	0903	2.0				0.44	2.5							0.41	26.6		18.98	17.92	13.07
32.0	0903	3.0				0.44	2.5							0.43	27.2		18.99	17.90	13.08
32.0	0903	4.0				0.44	2.4							0.41	26.6		19.01	17.86	13.10
32.0	0903	5.0				0.43	2.4							0.38	24.7		19.10	17.74	13.19
32.0	0903	6.0				0.43	2.4							0.41	26.2		19.24	17.62	13.33
32.0	0903	7.0				0.44	2.5							0.47	29.7		19.25	17.61	13.34
32.0	0903	8.0				0.45	2.6							0.46	29.1		19.25	17.61	13.34
32.0	0903	9.0				0.45	2.7							0.45	28.5		19.25	17.61	13.34

LOCATION: South San Francisco Bay
 DATE: April 30, 1993
 JULIAN DAY: 93120
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
298	1251	12.0			0.42	2.2		7.7		0.44	28.3		21.00	16.91	14.82
298	1251	13.0			0.42	2.2		0.0		0.55	33.8		21.31	16.86	15.07
29C	1252	1.0			0.91	10.1		8.2		0.18	14.0	1.6	19.73	17.68	13.69
29C	1252	2.0			0.82	8.6		7.9		0.20	15.0		19.77	17.59	13.74
29C	1252	3.0			0.74	7.2		7.6		0.20	15.2		19.74	17.56	13.72
29C	1252	4.0			0.62	5.4		7.5		0.22	16.4		19.83	17.31	13.85
29C	1252	5.0			0.51	3.5		7.5		0.27	19.1		19.92	17.09	13.96
29C	1252	6.0			0.45	2.6		7.5		0.32	21.5		19.94	17.02	13.99
29C	1252	7.0			0.43	2.3		7.4		0.37	24.4		19.94	16.98	14.00
29C	1252	8.0			0.42	2.1		7.3		0.39	25.3		19.95	16.95	14.01
29C	1252	9.0			0.42	2.2		7.3		0.40	26.1		19.95	16.93	14.02
29C	1252	10.0			0.42	2.2		7.6		0.42	26.8		19.98	16.92	14.05
29C	1252	11.0			0.41	2.1		7.9		0.43	27.4		20.51	16.91	14.45
29C	1252	12.0			0.41	2.0		7.9		0.44	28.0		20.86	16.90	14.72
29C	1252	13.0			0.41	2.1		7.7		0.47	29.6		21.10	16.87	14.90
29C	1252	14.0			0.42	2.2		7.6		0.61	36.9		21.27	16.85	15.04
29C	1252	15.0			0.43	2.3		7.6		1.09	63.1		21.33	16.85	15.09

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	8	0.882	16.052	-4.571	1.031
OBS Calibration:	8	0.966	53.698	4.394	2.061
Dissolved Oxygen Calibration:	6	0.859	0.950	0.433	0.203

NOTE: 29 . B, C - CTD casts were taken through a bloom of Mesodinium rubrum in the vicinity of station 29.

LOCATION: North San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ μ+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	CALC OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
657.0	1940	1.0	1.6	0.40	0.39	2.0	DISCR	CALC	DISCR	CALC	15.1	1.4	0.06	17.13	0.00
657.0	1940	2.0			0.39	2.0				0.20	14.9		0.06	17.14	0.00
657.0	1940	3.0			0.39	2.0				0.20	15.0		0.06	17.14	0.00
657.0	1940	4.0			0.39	2.0				0.21	15.3		0.06	17.14	0.00
657.0	1940	5.0			0.40	2.0				0.21	15.3		0.06	17.15	0.00
657.0	1940	6.0			0.40	2.0				0.22	15.7		0.06	17.15	0.00
657.0	1940	7.0			0.40	2.0				0.22	15.9		0.06	17.15	0.00
657.0	1940	8.0			0.40	2.0				0.24	16.6		0.06	17.15	0.00
657.0	1940	9.0			0.41	2.1				0.25	17.4		0.06	17.16	0.00
657.0	1940	10.0	1.3	0.36	0.41	2.1				0.27	18.1		0.06	17.16	0.00
653.0	1916	1.0			0.40	2.0				0.20	14.9	1.6	0.06	17.21	0.00
653.0	1916	2.0			0.40	2.0				0.19	14.4		0.06	17.21	0.00
653.0	1916	3.0			0.40	2.0				0.19	14.4		0.06	17.22	0.00
653.0	1916	4.0			0.39	2.0				0.19	14.5		0.06	17.22	0.00
653.0	1916	5.0			0.40	2.0				0.19	14.4		0.06	17.22	0.00
653.0	1916	6.0			0.41	2.1				0.19	14.4		0.06	17.22	0.00
653.0	1916	7.0			0.41	2.1				0.19	14.4		0.06	17.23	0.00
653.0	1916	8.0			0.42	2.1				0.19	14.5		0.06	17.23	0.00
653.0	1916	9.0			0.42	2.1				0.19	14.5		0.06	17.23	0.00
653.0	1916	10.0			0.41	2.1				0.19	14.6		0.06	17.23	0.00
649.0	1851	1.0	2.9	0.39	0.53	3.0			17.2	0.27	18.1	1.9	0.07	17.57	0.00
649.0	1851	2.0			0.52	2.9				0.27	18.3		0.07	17.57	0.00
649.0	1851	3.0			0.55	3.1				0.28	18.8		0.07	17.57	0.00
649.0	1851	4.0			0.57	3.2				0.27	18.2		0.07	17.57	0.00
649.0	1851	5.0			0.61	3.5				0.28	18.8		0.07	17.57	0.00
649.0	1851	6.0			0.67	3.9				0.29	19.0		0.07	17.56	0.00
649.0	1851	7.0			0.64	3.8				0.32	20.4		0.07	17.55	0.00
649.0	1851	8.0			0.62	3.6				0.34	21.2		0.07	17.55	0.00
649.0	1851	9.0			0.62	3.6				0.32	20.6		0.07	17.55	0.00

LOCATION: North San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

SeaBird v4.026

STM	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLOOR	CALC CHL a	DISCR OKYG	CALC OKYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
649.0	1851	10.0	3.3	0.45	0.62	3.6				0.34	21.5		0.07	17.55	0.00
2.0	1839	1.0		0.81		4.9				0.35	21.9	2.3	0.09	17.97	0.00
2.0	1839	2.0		0.76		4.6				0.34	21.5		0.09	17.95	0.00
2.0	1839	3.0		0.76		4.5				0.35	21.8		0.09	17.93	0.00
2.0	1839	4.0		0.80		4.8				0.37	22.7		0.09	17.91	0.00
2.0	1839	5.0		0.92		5.7				0.38	23.4		0.09	17.92	0.00
2.0	1839	6.0		0.96		6.0				0.39	23.6		0.09	17.92	0.00
2.0	1839	7.0		0.90		5.6				0.38	23.5		0.09	17.92	0.00
2.0	1839	8.0		0.92		5.7				0.39	23.8		0.09	17.92	0.00
2.0	1839	9.0		0.93		5.7				0.39	23.9		0.09	17.92	0.00
2.0	1839	10.0		0.83		5.0				0.39	24.0		0.09	17.91	0.00
2.0	1839	11.0		0.81		4.9				0.41	24.8		0.09	17.91	0.00
3.0	1822	1.0	4.6	0.45	0.59	3.4			21.5	0.32	20.6	2.1	0.08	17.78	0.00
3.0	1822	2.0		0.60		3.4				0.30	19.5		0.08	17.78	0.00
3.0	1822	3.0		0.66		3.8				0.29	19.3		0.08	17.79	0.00
3.0	1822	4.0		0.68		4.0				0.29	19.2		0.08	17.79	0.00
3.0	1822	5.0		0.70		4.2				0.30	19.4		0.08	17.84	0.00
3.0	1822	6.0		0.75		4.5				0.30	19.7		0.08	17.89	0.00
3.0	1822	7.0		0.72		4.3				0.34	21.3		0.09	17.93	0.00
3.0	1822	8.0		0.70		4.2				0.43	25.5		0.09	17.93	0.00
3.0	1822	9.0		0.73		4.3				0.46	26.9		0.09	17.91	0.00
3.0	1822	10.0		0.77		4.6				0.47	27.3		0.09	17.91	0.00
3.0	1822	11.0		0.76		4.6				0.46	27.2		0.09	17.91	0.00
3.0	1822	12.0	4.9	0.37	0.71	4.2				0.47	27.5		0.09	17.92	0.00
4.0	1729	1.0		0.68		4.0				0.42	25.2	2.4	0.09	17.86	0.00
4.0	1729	2.0		0.69		4.1				0.40	24.0		0.09	17.85	0.00
4.0	1729	3.0		0.64		3.7				0.39	23.9		0.09	17.84	0.00
4.0	1729	4.0		0.60		3.4				0.41	24.7		0.09	17.85	0.00

LOCATION: North San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
4.0	1729	5.0				0.63	3.6								0.41	24.5		0.09	17.85	0.00
4.0	1729	6.0				0.66	3.9								0.41	24.8		0.09	17.84	0.00
4.0	1729	7.0				0.64	3.7								0.41	24.5		0.09	17.84	0.00
4.0	1729	8.0				0.59	3.4								0.41	24.5		0.09	17.80	0.00
4.0	1729	9.0				0.58	3.3								0.41	24.7		0.09	17.78	0.00
4.0	1729	10.0				0.61	3.5								0.42	25.2		0.08	17.77	0.00
4.0	1729	11.0				0.61	3.5								0.42	25.4		0.08	17.76	0.00
4.0	1729	12.0				0.60	3.4								0.43	25.5		0.08	17.75	0.00
4.0	1729	13.0				0.62	3.6								0.44	25.9		0.08	17.75	0.00
4.0	1729	14.0				0.69	4.1								0.45	26.4		0.08	17.75	0.00
4.0	1729	15.0				0.70	4.1								0.45	26.4		0.08	17.74	0.00
5.0	1712	1.0				0.56	3.1								0.44	25.9	2.5	0.10	17.96	0.00
5.0	1712	2.0				0.56	3.2								0.42	25.2		0.10	17.95	0.00
5.0	1712	3.0				0.57	3.2								0.42	25.0		0.10	17.96	0.00
5.0	1712	4.0				0.59	3.3								0.42	25.2		0.10	17.95	0.00
5.0	1712	5.0				0.58	3.3								0.41	24.8		0.10	17.96	0.00
5.0	1712	6.0				0.62	3.6								0.42	25.4		0.10	17.96	0.00
5.0	1712	7.0				0.65	3.8								0.42	25.2		0.10	17.96	0.00
5.0	1712	8.0				0.64	3.7								0.43	25.7		0.10	17.95	0.00
5.0	1712	9.0				0.66	3.9								0.44	26.2		0.10	17.94	0.00
5.0	1712	10.0				0.64	3.7								0.46	26.9		0.10	17.94	0.00
5.0	1712	11.0				0.59	3.4								0.47	27.5		0.10	17.94	0.00
5.0	1712	12.0				0.61	3.5								0.46	27.2		0.10	17.94	0.00
6.0	1652	1.0	3.7	0.45		0.51	2.8		40.1						0.58	32.5	3.2	0.10	17.84	0.00
6.0	1652	2.0				0.50	2.8								0.55	31.2		0.10	17.84	0.00
6.0	1652	3.0				0.49	2.6								0.55	31.3		0.10	17.85	0.00
6.0	1652	4.0				0.52	2.9								0.57	32.4		0.10	17.85	0.00
6.0	1652	5.0				0.54	3.0								0.59	33.2		0.10	17.85	0.00
6.0	1652	6.0				0.56	3.1								0.59	33.0		0.10	17.85	0.00

LOCATION: North San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
6.0	1652	7.0			0.57	3.3				0.60	33.7		0.10	17.84	0.00
6.0	1652	8.0			0.60	3.4				0.60	33.5		0.10	17.84	0.00
6.0	1652	9.0			0.59	3.4				0.62	34.3		0.10	17.84	0.00
6.0	1652	10.0			0.53	3.0				0.62	34.7		0.10	17.84	0.00
6.0	1652	11.0	2.3	0.22	0.53	3.0				0.64	35.7		0.10	17.84	0.00
7.0	1630	1.0			0.47	2.5				1.05	54.5	4.7	0.18	18.14	0.00
7.0	1630	2.0			0.47	2.5				1.08	56.1		0.18	18.13	0.00
7.0	1630	3.0			0.49	2.7				1.08	55.9		0.19	18.14	0.00
7.0	1630	4.0			0.49	2.7				1.12	57.9		0.20	18.11	0.00
7.0	1630	5.0			0.47	2.6				1.14	58.7		0.24	18.10	0.00
7.0	1630	6.0			0.47	2.5				1.26	64.5		0.27	18.14	0.00
7.0	1630	7.0			0.48	2.6				1.50	75.5		0.29	18.17	0.00
7.0	1630	8.0			0.48	2.6				1.54	77.6		0.33	18.19	0.00
7.0	1630	9.0			0.48	2.6				1.70	85.3		0.38	18.21	0.00
7.0	1630	10.0			0.50	2.7				1.99	98.5		0.43	18.22	0.00
7.0	1630	11.0			0.51	2.8				2.38	116.8		0.43	18.22	0.00
7.0	1630	12.0			0.51	2.8				2.59	126.7		0.43	18.22	0.00
7.0	1630	13.0			0.51	2.8				2.49	122.1		0.44	18.22	0.00
7.0	1630	14.0			0.51	2.8				2.49	121.9		0.44	18.22	0.00
8.0	1559	1.0			0.50	2.7				2.08	103.0	7.1	0.76	18.06	0.00
8.0	1559	2.0			0.50	2.7				1.98	98.2		0.74	18.03	0.00
8.0	1559	3.0			0.48	2.6				1.94	96.2		0.76	17.96	0.00
8.0	1559	4.0			0.45	2.4				1.62	81.4		1.02	17.94	0.00
8.0	1559	5.0			0.45	2.4				1.40	71.1		1.28	17.92	0.00
8.0	1559	6.0			0.45	2.4				1.29	65.8		1.40	17.91	0.00
8.0	1559	7.0			0.44	2.3				1.24	63.7		1.47	17.90	0.00
8.0	1559	8.0			0.44	2.3				1.23	62.9		1.52	17.91	0.00
8.0	1559	9.0			0.43	2.3				1.22	62.8		1.58	17.93	0.00
8.0	1559	10.0			0.44	2.3				1.21	62.1		1.64	17.94	0.00

LOCATION: North San Francisco Bay
 DATE: May 12, 1993
 JULIAN DAY: 93132
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
8.0	1559	11.0		0.43	2.3					1.21	62.1		1.79	17.95	0.00
8.0	1559	12.0		0.42	2.2					1.22	62.4		1.97	17.93	0.12
8.0	1559	13.0		0.42	2.2					1.22	62.6		2.12	17.92	0.23
8.0	1559	14.0		0.46	2.5					1.24	63.5		2.76	17.82	0.74
8.0	1559	15.0		0.48	2.6					1.64	82.3		3.64	17.66	1.45
9.0	1541	1.0	1.2	0.26	0.41	2.1	8.7	9.4	55.0	1.12	58.0	4.9	2.17	17.82	0.29
9.0	1541	2.0		0.42	2.2			9.5		1.13	58.4		2.23	17.80	0.34
9.0	1541	3.0		0.42	2.2			9.5		1.18	60.7		2.24	17.79	0.35
9.0	1541	4.0		0.43	2.3			9.5		1.20	61.8		2.22	17.80	0.34
9.0	1541	5.0		0.43	2.3			9.5		1.18	60.9		2.22	17.80	0.34
9.0	1541	6.0		0.43	2.2			9.5		1.21	62.1		2.28	17.78	0.39
9.0	1541	7.0		0.43	2.3			9.5		1.25	64.0		2.34	17.77	0.43
9.0	1541	8.0		0.43	2.3			9.5		1.31	66.8		2.37	17.76	0.46
9.0	1541	9.0		0.44	2.3			9.5		1.35	68.8		2.40	17.76	0.48
9.0	1541	10.0		0.44	2.3			9.5		1.45	73.2		2.42	17.75	0.50
9.0	1541	11.0		0.45	2.4			9.4		1.48	74.7		2.56	17.74	0.61
9.0	1541	12.0		0.45	2.4			9.3		1.56	78.4		2.92	17.71	0.89
9.0	1541	13.0		0.45	2.4			9.3		1.51	76.2		4.30	17.57	1.97
9.0	1541	14.0		0.45	2.4			9.2		1.60	80.5		4.59	17.53	2.20
9.0	1541	15.0		0.46	2.5			9.2		1.77	88.3		4.96	17.49	2.48
9.0	1541	16.0		0.47	2.6			9.2		2.40	118.0		5.48	17.44	2.89
9.0	1541	17.0		0.48	2.6			9.1		2.80	136.6		5.98	17.39	3.28
9.0	1541	18.0		0.49	2.6			9.1		2.91	141.8		6.41	17.36	3.61
9.0	1541	19.0		0.49	2.7			9.1		2.88	140.5		6.95	17.31	4.03
9.0	1541	20.0		0.50	2.7			9.1		2.94	143.1		7.39	17.28	4.38
9.0	1541	21.0		0.51	2.8			9.1		3.04	147.7		7.73	17.26	4.64
9.0	1541	22.0		0.52	2.9			9.0		3.09	150.0		7.95	17.23	4.81
9.0	1541	23.0		0.52	2.9			9.0		3.00	146.1		8.80	17.17	5.47
9.0	1541	24.0		0.53	3.0			8.9		3.07	149.3		9.11	17.14	5.71
9.0	1541	25.0		0.56	3.1			8.9		3.91	188.5		9.82	17.09	6.26

LOCATION: North San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

SeaBird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CHL a	CALC	DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a																
9.0	1541	26.0			0.58	3.3			8.9	8.4	8.4			4.43	213.0		10.15	17.06	6.52	
9.0	1541	27.0			0.59	3.4			8.9	8.4	8.4			4.45	214.0		10.21	17.05	6.57	
9.0	1541	28.0			0.60	3.5			8.9	8.4	8.4			4.62	221.8		10.37	17.03	6.70	
9.0	1541	29.0			0.61	3.5			8.9	8.4	8.4			4.71	225.8		10.51	17.02	6.81	
9.0	1541	30.0			0.60	3.4			8.8	8.4	8.4			4.81	230.6		10.80	17.00	7.03	
9.0	1541	31.0			0.61	3.5			8.5	8.1	8.1			5.18	248.0		11.70	16.91	7.73	
9.0	1541	32.0			0.63	3.6			8.4	8.0	8.0			5.73	273.7		14.76	16.58	10.13	
9.0	1541	33.0			0.62	3.5			8.4	8.0	8.0			5.41	259.0		16.77	16.35	11.71	
9.0	1541	34.0			0.60	3.4			8.4	8.0	8.0			4.76	228.1		17.02	16.32	11.91	
9.0	1541	35.0			0.59	3.4			8.4	8.0	8.0			3.98	191.8		17.54	16.24	12.32	
9.0	1541	36.0	1.5	0.13	0.59	3.4			8.4	8.0	8.0			3.28	159.3		17.84	16.19	12.56	
10.0	1527	1.0			0.40	2.0			8.8	8.4	8.4			1.22	62.4	3.8	2.63	17.83	0.64	
10.0	1527	2.0			0.40	2.0			8.9	8.4	8.4			1.18	60.7		2.63	17.78	0.65	
10.0	1527	3.0			0.40	2.1			9.2	8.6	8.6			1.20	61.5		2.71	17.71	0.73	
10.0	1527	4.0			0.41	2.1			9.2	8.7	8.7			1.23	63.0		3.31	17.65	1.19	
10.0	1527	5.0			0.42	2.2			9.2	8.6	8.6			1.34	68.3		3.55	17.63	1.39	
10.0	1527	6.0			0.42	2.2			9.1	8.5	8.5			1.45	73.4		3.81	17.61	1.59	
10.0	1527	7.0			0.42	2.2			9.1	8.6	8.6			1.58	79.5		3.92	17.60	1.67	
10.0	1527	8.0			0.43	2.3			9.1	8.6	8.6			1.68	84.2		3.99	17.58	1.73	
10.0	1527	9.0			0.43	2.3			9.1	8.6	8.6			1.64	82.5		4.30	17.56	1.97	
10.0	1527	10.0			0.44	2.3			9.1	8.6	8.6			1.67	83.7		4.37	17.54	2.03	
10.0	1527	11.0			0.44	2.3			9.1	8.6	8.6			1.68	84.1		4.67	17.52	2.26	
10.0	1527	12.0			0.44	2.3			9.1	8.6	8.6			1.68	84.3		4.87	17.50	2.41	
10.0	1527	13.0			0.44	2.3			9.0	8.5	8.5			1.75	87.5		5.68	17.41	3.05	
10.0	1527	14.0			0.46	2.5			8.9	8.4	8.4			1.81	90.4		6.99	17.30	4.07	
10.0	1527	15.0			0.47	2.5			8.9	8.4	8.4			2.14	105.9		7.39	17.27	4.38	
10.0	1527	16.0			0.52	2.9			8.9	8.4	8.4			2.40	117.7		7.90	17.22	4.78	
10.0	1527	17.0			0.53	3.0			8.9	8.4	8.4			5.29	253.0		8.44	17.18	5.20	

LOCATION: North San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC		DISCR		OXYG	OXYG	CALC		DISCR	OBS	CALC		EXCOF	SALIN	TEMP	SIGT	
			CHL a	CHL a			CHL a	OXYG	OXYG	SPM			SPM	SPM			SPM						
11.0	1506	1.0			0.41	2.1	8.7	8.3			0.84	45.0	4.7	4.74	17.61	2.30							
11.0	1506	2.0			0.41	2.1	8.7	8.2			0.84	44.7		6.14	17.37	3.40							
11.0	1506	3.0			0.43	2.3	8.5	8.1			0.98	51.2		7.32	17.24	4.34							
11.0	1506	4.0			0.44	2.3	8.6	8.2			1.12	58.1		7.43	17.23	4.42							
11.0	1506	5.0			0.43	2.3	8.6	8.2			1.15	59.3		7.46	17.22	4.44							
11.0	1506	6.0			0.43	2.3	8.6	8.2			1.22	62.4		7.57	17.21	4.52							
11.0	1506	7.0			0.46	2.4	8.5	8.1			1.37	69.8		8.92	17.10	5.57							
11.0	1506	8.0			0.48	2.6	8.5	8.1			1.50	75.5		9.72	17.02	6.20							
11.0	1506	9.0			0.49	2.7	8.5	8.1			1.41	71.5		10.05	17.00	6.46							
11.0	1506	10.0			0.49	2.7	8.4	8.1			1.49	75.2		10.28	16.98	6.63							
11.0	1506	11.0			0.49	2.7	8.4	8.0			1.63	81.8		10.93	16.92	7.14							
11.0	1506	12.0			0.53	2.9	8.2	7.9			2.00	99.1		11.96	16.79	7.95							
11.0	1506	13.0			0.54	3.0	8.2	7.9			3.28	158.9		14.32	16.49	9.81							
12.0	1447	1.0			0.39	2.0	8.6	8.2			0.63	34.9	3.3	6.16	17.44	3.41							
12.0	1447	2.0			0.39	2.0	8.8	8.3			0.59	33.3		6.22	17.20	3.50							
12.0	1447	3.0			0.40	2.0	9.0	8.5			0.58	32.5		7.41	16.98	4.45							
12.0	1447	4.0			0.42	2.2	8.8	8.3			0.61	34.2		10.62	17.03	6.88							
12.0	1447	5.0			0.44	2.3	8.7	8.2			0.71	38.7		11.45	17.13	7.50							
12.0	1447	6.0			0.45	2.4	8.5	8.1			0.70	38.5		11.97	16.96	7.93							
12.0	1447	7.0			0.47	2.5	8.3	7.9			0.94	49.7		14.19	16.53	9.70							
12.0	1447	8.0			0.50	2.8	7.9	7.7			1.13	58.2		16.83	16.12	11.80							
12.0	1447	9.0			0.51	2.8	7.9	7.6			2.98	145.0		20.41	15.55	14.65							
13.0	1421	1.0	2.1	0.49	0.38	1.9	8.4	8.3	8.0	22.5	0.38	23.5	2.1	8.75	17.34	5.40							
13.0	1421	2.0			0.38	1.9	8.1	7.8	7.8		0.37	23.0		8.82	17.00	5.52							
13.0	1421	3.0			0.38	1.9	8.1	7.8	7.8		0.36	22.5		8.92	16.74	5.64							
13.0	1421	4.0			0.39	2.0	8.1	7.8	7.8		0.40	24.1		8.98	16.63	5.71							
13.0	1421	5.0			0.41	2.1	8.5	8.1	8.1		0.43	25.4		9.36	16.39	6.04							
13.0	1421	6.0			0.42	2.2	9.0	8.5	8.5		0.55	31.3		13.99	16.04	9.64							
13.0	1421	7.0			0.42	2.2	9.3	8.7	8.7		0.52	29.7		17.08	15.85	12.04							

LOCATION: North San Francisco Bay
 DATE: May 12, 1993
 JULIAN DAY: 93132
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PMA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
13.0	1421	8.0		0.41	2.1	2.1	9.0	8.5	8.5	0.52	29.7	29.7		18.36	15.60	13.07
13.0	1421	9.0		0.40	2.0	2.0	8.7	8.2	8.2	0.50	29.0	29.0		19.56	15.41	14.03
13.0	1421	10.0		0.41	2.1	2.1	8.4	8.1	8.1	0.53	30.2	30.2		20.68	15.28	14.91
13.0	1421	11.0		0.44	2.3	2.3	8.3	8.0	8.0	0.79	42.3	42.3		21.09	15.21	15.24
13.0	1421	12.0	3.4	0.35	2.3	2.3	8.5	8.1	8.1	1.50	75.5	75.5		21.56	15.03	15.63
14.0	1401	1.0		0.38	1.9	1.9	8.1	7.8	7.8	0.28	18.4	18.4	1.6	16.31	16.33	9.84
14.0	1401	2.0		0.38	1.9	1.9	8.1	7.8	7.8	0.28	18.8	18.8		15.34	16.14	10.66
14.0	1401	3.0		0.37	1.8	1.8	8.0	7.8	7.8	0.27	18.2	18.2		15.90	16.06	11.10
14.0	1401	4.0		0.36	1.8	1.8	8.0	7.7	7.7	0.28	18.4	18.4		16.81	15.91	11.83
14.0	1401	5.0		0.36	1.8	1.8	7.9	7.7	7.7	0.28	18.5	18.5		17.85	15.78	12.65
14.0	1401	6.0		0.36	1.8	1.8	7.9	7.6	7.6	0.32	20.5	20.5		18.22	15.70	12.94
14.0	1401	7.0		0.37	1.8	1.8	7.8	7.6	7.6	0.35	22.0	22.0		18.93	15.57	13.51
14.0	1401	8.0		0.39	1.9	1.9	7.8	7.5	7.5	0.37	22.9	22.9		19.24	15.49	13.77
14.0	1401	9.0		0.42	2.2	2.2	7.7	7.5	7.5	0.44	26.1	26.1		20.40	15.21	14.71
14.0	1401	10.0		0.46	2.4	2.4	7.7	7.5	7.5	0.52	29.8	29.8		21.51	14.94	15.61
14.0	1401	11.0		0.50	2.8	2.8	7.5	7.4	7.4	0.63	35.0	35.0		22.89	14.61	16.74
14.0	1401	12.0		0.59	3.4	3.4	7.5	7.4	7.4	1.28	65.6	65.6		23.52	14.48	17.25
14.0	1401	13.0		0.60	3.5	3.5	7.6	7.4	7.4	1.91	95.1	95.1		23.68	14.51	17.36
15.0	1339	1.0	3.4	0.63	2.4	2.4	8.9	8.4	8.4	7.7	11.7	11.7	1.4	12.85	17.21	8.55
15.0	1339	2.0		0.45	2.4	2.4	8.9	8.4	8.4	0.13	11.8	11.8		12.83	17.21	8.53
15.0	1339	3.0		0.45	2.4	2.4	8.8	8.3	8.3	0.15	12.4	12.4		13.38	16.85	9.03
15.0	1339	4.0		0.43	2.2	2.2	8.7	8.3	8.3	0.18	13.8	13.8		13.81	16.68	9.38
15.0	1339	5.0		0.41	2.1	2.1	8.6	8.2	8.2	0.19	14.6	14.6		14.17	16.61	9.67
15.0	1339	6.0		0.41	2.1	2.1	8.6	8.2	8.2	0.19	14.2	14.2		15.14	16.44	10.45
15.0	1339	7.0		0.40	2.1	2.1	8.6	8.2	8.2	0.22	15.9	15.9		15.43	16.36	10.69
15.0	1339	8.0		0.40	2.1	2.1	8.6	8.2	8.2	0.24	16.7	16.7		15.86	16.26	11.03
15.0	1339	9.0		0.40	2.1	2.1	8.5	8.1	8.1	0.23	16.5	16.5		16.17	16.21	11.28
15.0	1339	10.0		0.41	2.1	2.1	8.5	8.1	8.1	0.23	16.4	16.4		16.28	16.19	11.37
15.0	1339	11.0		0.41	2.1	2.1	8.5	8.1	8.1	0.23	16.1	16.1		16.42	16.21	11.47

LOCATION: North San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	STGT
15.0	1339	12.0			0.41	2.1		8.1	7.8		0.25	17.1		17.41	16.02	12.26
15.0	1339	13.0			0.44	2.3		7.7	7.5		0.26	17.9		23.00	14.70	16.80
15.0	1339	14.0			0.48	2.6		7.7	7.5		0.33	21.0		24.00	14.47	17.62
15.0	1339	15.0			0.50	2.8		7.7	7.5		0.59	33.2		24.22	14.40	17.80
15.0	1339	16.0			0.51	2.8		7.7	7.5		0.83	44.5		24.30	14.38	17.86
15.0	1339	17.0			0.52	2.9		7.8	7.5		0.89	47.0		24.34	14.36	17.90
15.0	1339	18.0			0.53	2.9		7.8	7.6		0.96	50.5		24.38	14.34	17.93
15.0	1339	19.0			0.53	3.0		7.8	7.6		1.00	52.3		24.43	14.32	17.98
15.0	1339	20.0			0.53	3.0		7.8	7.6		1.04	54.4		24.51	14.29	18.04
15.0	1339	21.0			0.54	3.0		7.9	7.6		1.05	54.5		24.56	14.27	18.09
15.0	1339	22.0			0.58	3.3		7.9	7.6		1.05	54.6		24.66	14.24	18.17
15.0	1339	23.0	2.7	0.22	0.59	3.3		7.9	7.6		1.37	69.8		24.69	14.23	18.20
18.0	1237	1.0	3.0	0.51	0.45	2.4	7.8	8.2	7.9	13.3	0.11	10.7	1.1	25.82	13.80	19.15
18.0	1237	2.0			0.48	2.6		8.2	7.8		0.11	10.5		25.82	13.81	19.14
18.0	1237	3.0			0.50	2.7		8.2	7.8		0.10	10.2		25.83	13.81	19.15
18.0	1237	4.0			0.52	2.9		8.1	7.8		0.10	10.3		25.83	13.78	19.15
18.0	1237	5.0			0.53	3.0		8.2	7.9		0.11	10.6		25.83	13.73	19.17
18.0	1237	6.0			0.53	3.0		8.2	7.8		0.11	10.7		25.83	13.69	19.17
18.0	1237	7.0			0.52	2.9		8.1	7.8		0.12	10.9		25.83	13.67	19.18
18.0	1237	8.0			0.50	2.8		8.1	7.8		0.12	11.3		25.95	13.54	19.29
18.0	1237	9.0			0.51	2.8		8.0	7.8		0.13	11.5		26.21	13.38	19.52
18.0	1237	10.0			0.51	2.8		8.0	7.7		0.13	11.7		26.24	13.36	19.55
18.0	1237	11.0			0.51	2.8		8.0	7.8		0.13	11.8		26.31	13.33	19.61
18.0	1237	12.0			0.53	2.9		8.0	7.7		0.14	12.2		26.54	13.26	19.80
18.0	1237	13.0			0.55	3.1		8.0	7.7		0.16	12.9		26.61	13.24	19.86
18.0	1237	14.0			0.56	3.2		8.0	7.7		0.17	13.7		26.66	13.22	19.90
18.0	1237	15.0			0.57	3.2		8.0	7.7		0.19	14.2		26.72	13.20	19.95
18.0	1237	16.0			0.58	3.3		8.0	7.7		0.19	14.6		26.79	13.18	20.01
18.0	1237	17.0			0.58	3.3		8.0	7.7		0.21	15.4		26.84	13.17	20.05
18.0	1237	18.0			0.59	3.4		8.0	7.7		0.22	15.9		26.83	13.18	20.04

LOCATION: North San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1237	19.0			0.61	3.5	7.9	7.7	0.23	16.3	26.84		13.18	20.05	
18.0	1237	20.0			0.62	3.6	8.0	7.7	0.25	17.1	26.85		13.18	20.06	
18.0	1237	21.0			0.62	3.6	7.9	7.7	0.26	17.7	26.86		13.18	20.06	
18.0	1237	22.0			0.63	3.6	7.9	7.7	0.27	18.2	26.88		13.17	20.08	
18.0	1237	23.0			0.63	3.7	7.9	7.7	0.27	18.3	26.90		13.16	20.10	
18.0	1237	24.0			0.63	3.7	7.9	7.7	0.29	19.0	26.91		13.16	20.10	
18.0	1237	25.0			0.63	3.6	7.9	7.7	0.29	19.3	26.91		13.16	20.10	
18.0	1237	26.0			0.64	3.7	7.9	7.7	0.31	19.9	26.91		13.16	20.10	
18.0	1237	27.0			0.65	3.8	7.9	7.7	0.33	20.8	26.92		13.16	20.11	
18.0	1237	28.0			0.66	3.9	7.9	7.7	0.33	21.0	26.92		13.16	20.11	
18.0	1237	29.0			0.65	3.8	7.9	7.7	0.33	20.9	26.94		13.15	20.13	
18.0	1237	30.0			0.65	3.8	7.9	7.7	0.34	21.6	26.95		13.15	20.14	
18.0	1237	31.0			0.67	3.9	7.9	7.6	0.36	22.3	27.01		13.12	20.19	
18.0	1237	32.0			0.68	4.0	7.9	7.6	0.37	22.7	27.07		13.10	20.24	
18.0	1237	33.0			0.69	4.1	7.9	7.6	0.42	25.1	27.15		13.06	20.31	
18.0	1237	34.0			0.72	4.3	7.8	7.6	0.47	27.3	27.31		13.00	20.44	
18.0	1237	35.0			0.74	4.4	7.8	7.6	0.50	28.9	27.41		12.96	20.53	
18.0	1237	36.0			0.76	4.6	7.8	7.6	0.56	31.6	27.45		12.94	20.57	
18.0	1237	37.0			0.77	4.6	7.9	7.6	0.68	37.4	27.49		12.92	20.60	

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	15	0.369	7.008	-0.767	0.939
OBS Calibration:	8	0.946	46.816	5.505	4.018
Dissolved Oxygen Calibration:	9	0.857	0.777	1.508	0.199

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

LOCATION: South San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
36.0	0748	1.0	1.2	0.34	0.42	1.8	7.3	7.4	7.3	24.4	26.9	2.5	19.93	17.02	13.98
36.0	0748	2.0			0.42	1.8		7.4	7.3		26.5		19.93	17.02	13.98
36.0	0748	3.0			0.42	1.8		7.4	7.3		26.4		19.94	17.03	13.98
36.0	0748	4.0			0.42	1.8		7.4	7.3		27.4		19.97	17.05	14.00
36.0	0748	5.0			0.42	1.8		7.4	7.3		28.3		20.00	17.08	14.02
36.0	0748	6.0			0.42	1.8		7.4	7.3		29.5		20.01	17.09	14.03
36.0	0748	7.0			0.43	1.9		7.5	7.3		29.9		20.02	17.10	14.04
36.0	0748	8.0	1.7	0.49	0.42	1.9		7.4	7.3	27.4	30.0		20.18	17.22	14.13
35.0	0802	1.0			0.43	1.9		7.7	7.5		24.1	2.5	20.17	17.04	14.16
35.0	0802	2.0			0.43	1.9		7.7	7.5		24.4		20.17	17.04	14.16
35.0	0802	3.0			0.42	1.8		7.7	7.5		25.8		20.19	17.06	14.17
35.0	0802	4.0			0.42	1.8		7.7	7.5		29.6		20.24	17.09	14.20
35.0	0802	5.0			0.42	1.9		7.7	7.5		29.4		20.30	17.13	14.24
35.0	0802	6.0			0.42	1.8		7.7	7.5		27.5		20.35	17.14	14.28
35.0	0802	7.0			0.41	1.8		7.7	7.5		27.5		20.45	17.16	14.35
35.0	0802	8.0			0.40	1.7		7.7	7.5		29.8		20.49	17.15	14.39
35.0	0802	9.0			0.41	1.7		7.7	7.5		34.1		20.50	17.14	14.39
34.0	0813	1.0			0.50	2.4		7.7	7.5		85.8	6.4	19.89	16.50	14.06
34.0	0813	2.0			0.51	2.5		7.8	7.6		89.9		19.90	16.53	14.06
34.0	0813	3.0			0.52	2.6		7.8	7.5		110.6		19.98	16.62	14.10
34.0	0813	4.0			0.53	2.6		7.8	7.5		113.1		20.00	16.64	14.12
34.0	0813	5.0			0.54	2.7		7.7	7.5		117.0		20.05	16.68	14.15
34.0	0813	6.0			0.54	2.7		7.7	7.5		118.5		20.06	16.68	14.16
34.0	0813	7.0			0.53	2.6		7.7	7.5		114.4		20.07	16.65	14.17
34.0	0813	8.0			0.53	2.7		7.7	7.5		108.0		20.07	16.63	14.17
34.0	0813	9.0			0.54	2.7		7.7	7.5		109.7		19.90	16.64	14.04

LOCATION: South San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	0831	1.0		0.42	1.8	7.4	7.2	0.54	36.4	3.0	19.88	16.85	13.98		
33.0	0831	2.0		0.41	1.8	7.5	7.3	0.51	34.3		19.91	16.93	13.98		
33.0	0831	3.0		0.41	1.7	7.5	7.3	0.50	33.5		19.95	16.95	14.02		
33.0	0831	4.0		0.41	1.8	7.5	7.4	0.51	34.1		19.99	16.98	14.04		
33.0	0831	5.0		0.41	1.8	7.6	7.4	0.52	34.7		20.02	17.01	14.05		
33.0	0831	6.0		0.41	1.8	7.6	7.4	0.50	33.4		20.09	17.05	14.10		
33.0	0831	7.0		0.41	1.8	7.6	7.4	0.52	35.0		20.12	17.06	14.12		
33.0	0831	8.0		0.42	1.8	7.6	7.4	0.55	36.7		20.15	17.08	14.13		
33.0	0831	9.0		0.42	1.8	7.6	7.4	0.68	45.5		20.18	17.11	14.15		
33.0	0831	10.0		0.43	1.9	7.6	7.4	0.87	57.9		20.19	17.13	14.15		
33.0	0831	11.0		0.44	2.0	7.6	7.4	1.12	74.3		20.19	17.16	14.15		
33.0	0831	12.0		0.45	2.1	7.6	7.4	1.17	77.8		20.13	17.16	14.11		
33.0	0831	13.0		0.46	2.1	7.6	7.4	1.56	103.5		20.15	17.14	14.12		
32.0	0844	1.0	1.6	0.42	1.9	7.4	7.5	0.49	33.1	2.8	19.99	16.78	14.08		
32.0	0844	2.0		0.43	1.9	7.8	7.5	0.49	32.8		19.99	16.78	14.08		
32.0	0844	3.0		0.42	1.8	7.8	7.5	0.48	32.4		19.97	16.77	14.07		
32.0	0844	4.0		0.41	1.7	7.8	7.6	0.48	32.3		20.06	16.88	14.11		
32.0	0844	5.0		0.39	1.6	7.8	7.6	0.48	32.4		20.29	17.07	14.25		
32.0	0844	6.0		0.39	1.6	7.8	7.6	0.47	31.6		20.33	17.10	14.27		
32.0	0844	7.0		0.39	1.6	7.8	7.6	0.44	29.4		20.39	17.12	14.31		
32.0	0844	8.0		0.40	1.6	7.8	7.5	0.43	28.9		20.40	17.12	14.32		
32.0	0844	9.0		0.40	1.7	7.7	7.5	0.46	30.6		20.39	17.12	14.31		
32.0	0844	10.0		0.41	1.8	7.7	7.5	0.55	36.7		20.38	17.12	14.30		
32.0	0844	11.0		0.42	1.8	7.8	7.5	0.67	44.5		20.37	17.12	14.30		
32.0	0844	12.0	1.6	0.30	1.8	7.7	7.5	0.82	54.6	74.1	20.37	17.12	14.30		
31.0	0854	1.0		0.38	1.6	7.2	7.1	0.25	17.1	1.9	20.28	17.01	14.25		
31.0	0854	2.0		0.38	1.5	7.4	7.2	0.26	17.4		20.32	17.02	14.28		
31.0	0854	3.0		0.36	1.4	7.4	7.3	0.24	16.6		20.46	17.11	14.37		
31.0	0854	4.0		0.35	1.3	7.5	7.3	0.22	15.0		20.59	17.14	14.46		

LOCATION: South San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	0854	5.0			0.34	1.3	7.6	7.4	0.22	15.2			20.75	17.16	14.58
31.0	0854	6.0			0.34	1.2	7.6	7.4	0.28	19.1			20.90	17.18	14.69
31.0	0854	7.0			0.34	1.3	7.5	7.4	0.27	18.4			21.03	17.23	14.78
31.0	0854	8.0			0.34	1.3	7.5	7.3	0.30	20.1			21.16	17.20	14.88
31.0	0854	9.0			0.35	1.3	7.5	7.3	0.29	19.5			21.28	17.17	14.98
31.0	0854	10.0			0.35	1.3	7.5	7.3	0.27	18.1			21.38	17.15	15.06
31.0	0854	11.0			0.35	1.3	7.5	7.3	0.28	18.9			21.49	17.17	15.14
31.0	0854	12.0			0.36	1.4	7.5	7.3	0.36	24.0			21.55	17.17	15.19
31.0	0854	13.0			0.37	1.4	7.5	7.3	0.48	32.0			21.63	17.17	15.24
31.0	0854	14.0			0.37	1.4	7.5	7.3	0.57	38.3			21.66	17.17	15.27
30.0	0914	1.0	1.3	0.42	0.39	1.6	7.8	7.6	0.16	11.2		1.7	20.94	16.91	14.77
30.0	0914	2.0			0.39	1.6	7.8	7.6	0.17	11.9			20.97	16.91	14.80
30.0	0914	3.0			0.38	1.5	7.8	7.6	0.17	11.6			21.00	16.91	14.82
30.0	0914	4.0			0.36	1.4	7.8	7.6	0.16	10.7			21.13	16.95	14.91
30.0	0914	5.0			0.35	1.3	7.8	7.6	0.15	10.5			21.26	16.95	15.02
30.0	0914	6.0			0.35	1.3	7.8	7.6	0.16	10.8			21.32	16.94	15.06
30.0	0914	7.0			0.34	1.3	7.8	7.6	0.17	11.7			21.42	16.93	15.14
30.0	0914	8.0			0.35	1.3	7.8	7.6	0.20	13.5			21.52	16.92	15.22
30.0	0914	9.0			0.35	1.3	7.8	7.6	0.26	17.4			21.60	16.93	15.28
30.0	0914	10.0			0.36	1.4	7.8	7.6	0.34	22.7			21.65	16.94	15.31
30.0	0914	11.0			0.37	1.4	7.8	7.6	0.38	25.8			21.64	16.94	15.31
30.0	0914	12.0			0.37	1.4	7.8	7.6	0.39	26.4			21.64	16.94	15.31
30.0	0914	13.0			0.37	1.5	7.8	7.6	0.46	31.0			21.66	16.95	15.32
30.0	0914	14.0			0.38	1.6	7.8	7.6	0.62	41.7			21.69	16.95	15.34
30.0	0914	15.0	1.2	0.26	0.38	1.6	7.8	7.6	0.68	45.6			21.73	16.95	15.37
29.5	0926	1.0			0.37	1.5	7.3	7.2	0.16	11.1		1.4	21.23	16.75	15.03
29.5	0926	2.0			0.37	1.4	7.4	7.3	0.15	10.2			21.37	16.80	15.13
29.5	0926	3.0			0.35	1.3	7.5	7.3	0.13	9.3			21.57	16.79	15.28
29.5	0926	4.0			0.35	1.3	7.5	7.4	0.13	8.8			21.67	16.79	15.36

LOCATION: South San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPH	OBS	CALC SPH	EXCOF	SALIN	TEMP	STGT
29.5	0926	5.0			0.34	1.3		7.6	7.4		0.13	9.2		21.71	16.79	15.39
29.5	0926	6.0			0.34	1.3		7.7	7.5		0.15	10.2		21.76	16.81	15.42
29.5	0926	7.0			0.35	1.3		7.7	7.5		0.19	12.8		21.78	16.81	15.44
29.5	0926	8.0			0.36	1.4		7.7	7.5		0.22	15.1		21.80	16.82	15.45
29.5	0926	9.0			0.37	1.5		7.7	7.5		0.29	19.6		21.84	16.84	15.48
29.5	0926	10.0			0.38	1.5		7.7	7.5		0.34	23.2		21.88	16.85	15.50
29.5	0926	11.0			0.39	1.6		7.7	7.5		0.41	27.3		21.92	16.87	15.53
29.5	0926	12.0			0.39	1.6		7.7	7.5		0.50	33.3		21.96	16.88	15.56
29.5	0926	13.0			0.40	1.6		7.7	7.5		0.61	40.7		22.00	16.90	15.59
29.5	0926	14.0			0.40	1.7		7.6	7.4		0.66	44.3		22.03	16.91	15.61
29.5	0926	15.0			0.41	1.7		7.6	7.4		0.81	53.8		22.05	16.91	15.62
29.5	0926	16.0			0.41	1.8		7.6	7.4		0.93	62.2		22.06	16.91	15.63
29.0	0935	1.0			0.40	1.7		7.8	7.6		0.09	6.3	1.0	21.93	16.99	15.52
29.0	0935	2.0			0.40	1.7		7.8	7.6		0.09	6.2		21.95	16.90	15.55
29.0	0935	3.0			0.38	1.5		7.8	7.6		0.09	6.3		21.95	16.83	15.56
29.0	0935	4.0			0.36	1.4		7.8	7.6		0.09	6.5		21.95	16.80	15.57
29.0	0935	5.0			0.35	1.3		7.8	7.6		0.10	6.9		21.97	16.78	15.59
29.0	0935	6.0			0.34	1.3		7.9	7.6		0.10	6.9		22.00	16.83	15.60
29.0	0935	7.0			0.34	1.2		7.9	7.6		0.10	7.1		22.07	16.90	15.64
29.0	0935	8.0			0.34	1.2		7.8	7.6		0.10	7.0		22.11	16.92	15.67
29.0	0935	9.0			0.34	1.3		7.8	7.6		0.11	7.6		22.21	16.92	15.75
29.0	0935	10.0			0.35	1.3		7.8	7.6		0.14	9.4		22.48	16.95	15.94
29.0	0935	11.0			0.36	1.3		7.8	7.6		0.18	12.6		22.62	16.96	16.05
29.0	0935	12.0			0.36	1.4		7.8	7.5		0.25	16.7		22.69	16.96	16.10
29.0	0935	13.0			0.37	1.5		7.8	7.5		0.37	24.8		22.78	16.96	16.17
29.0	0935	14.0			0.37	1.5		7.8	7.5		0.46	30.5		22.82	16.95	16.20
29.0	0935	15.0			0.37	1.5		7.8	7.5		0.54	36.1		22.85	16.95	16.22

LOCATION: South San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a				CHL a	OXYG		OXYG		OXYG	SPM		SPM				
28.0	1021	1.0			0.40	1.6		7.9	7.7	0.09	6.3	1.1	22.07	17.01	15.62				
28.0	1021	2.0			0.39	1.6		7.9	7.6	0.08	6.0		22.11	16.95	15.66				
28.0	1021	3.0			0.38	1.5		7.9	7.6	0.09	6.5		22.15	16.91	15.70				
28.0	1021	4.0			0.36	1.4		7.9	7.6	0.11	7.7		22.20	16.90	15.74				
28.0	1021	5.0			0.35	1.3		7.9	7.6	0.12	8.5		22.25	16.88	15.78				
28.0	1021	6.0			0.34	1.2		7.9	7.6	0.13	9.0		22.30	16.89	15.82				
28.0	1021	7.0			0.34	1.2		7.8	7.6	0.13	8.8		22.44	16.88	15.93				
28.0	1021	8.0			0.34	1.2		7.8	7.6	0.15	10.6		22.78	16.85	16.19				
28.0	1021	9.0			0.34	1.3		7.8	7.6	0.19	13.0		22.97	16.82	16.34				
28.0	1021	10.0			0.35	1.3		7.8	7.6	0.25	16.6		23.19	16.76	16.52				
28.0	1021	11.0			0.36	1.4		7.8	7.6	0.30	20.3		23.35	16.70	16.66				
28.0	1021	12.0			0.37	1.5		7.8	7.6	0.34	22.9		23.44	16.65	16.74				
28.0	1021	13.0			0.38	1.5		7.8	7.6	0.42	28.2		23.52	16.59	16.82				
28.0	1021	14.0			0.38	1.5		7.8	7.6	0.44	29.8		23.57	16.57	16.86				
28.0	1021	15.0			0.38	1.5		7.8	7.6	0.51	33.9		23.64	16.53	16.92				
27.0	1033	1.0	1.9	0.50	0.43	1.9	7.6	7.6	7.4	0.07	5.1	1.0	22.04	17.09	15.58				
27.0	1033	2.0			0.42	1.8		7.6	7.4	0.07	4.9		22.16	16.91	15.71				
27.0	1033	3.0			0.38	1.5		7.6	7.4	0.07	5.2		22.25	16.85	15.79				
27.0	1033	4.0			0.36	1.4		7.6	7.4	0.08	5.7		22.39	16.83	15.90				
27.0	1033	5.0			0.34	1.3		7.6	7.4	0.09	6.3		22.73	16.75	16.17				
27.0	1033	6.0			0.34	1.2		7.5	7.4	0.13	9.0		23.08	16.65	16.46				
27.0	1033	7.0			0.34	1.2		7.5	7.4	0.17	12.0		23.36	16.56	16.70				
27.0	1033	8.0			0.34	1.3		7.6	7.4	0.21	14.3		23.46	16.51	16.79				
27.0	1033	9.0			0.35	1.3		7.6	7.4	0.26	17.6		23.55	16.47	16.86				
27.0	1033	10.0			0.36	1.4		7.6	7.4	0.29	19.7		23.65	16.42	16.95				
27.0	1033	11.0			0.37	1.4		7.6	7.4	0.32	21.9		23.69	16.39	16.99				
27.0	1033	12.0	1.2	0.29	0.37	1.4		7.6	7.4	0.34	23.2		23.70	16.39	17.00				

LOCATION: South San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	CHL a	CALC	OXYG	DISCR	OXYG	CALC	OXYG	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
26.0	1047	1.0			0.40	1.7				7.8	7.6			7.6	7.6		0.05		3.5	0.9	22.35	17.06	15.82
26.0	1047	2.0			0.39	1.6				7.7	7.5			7.5	7.5		0.05		3.5		22.67	16.78	16.12
26.0	1047	3.0			0.37	1.5				7.6	7.4			7.4	7.4		0.05		3.9		23.05	16.57	16.46
26.0	1047	4.0			0.35	1.3				7.6	7.4			7.4	7.4		0.08		5.7		23.59	16.32	16.92
26.0	1047	5.0			0.34	1.3				7.6	7.4			7.4	7.4		0.12		8.4		23.81	16.20	17.12
26.0	1047	6.0			0.34	1.2				7.7	7.5			7.5	7.5		0.14		9.7		23.85	16.17	17.15
26.0	1047	7.0			0.34	1.2				7.7	7.5			7.5	7.5		0.18		12.1		23.95	16.11	17.25
26.0	1047	8.0			0.34	1.2				7.7	7.5			7.5	7.5		0.21		14.2		24.02	16.07	17.31
26.0	1047	9.0			0.35	1.3				7.7	7.5			7.5	7.5		0.23		15.5		24.05	16.06	17.33
26.0	1047	10.0			0.35	1.3				7.7	7.5			7.5	7.5		0.25		16.8		24.05	16.06	17.33
25.0	1101	1.0			0.41	1.7				7.8	7.6			7.6	7.6		0.05		3.7	1.2	22.96	16.91	16.32
25.0	1101	2.0			0.43	1.9				7.8	7.5			7.5	7.5		0.05		3.6		23.15	16.65	16.52
25.0	1101	3.0			0.42	1.8				7.7	7.5			7.5	7.5		0.05		3.6		23.53	16.37	16.87
25.0	1101	4.0			0.40	1.7				7.7	7.5			7.5	7.5		0.08		6.0		23.93	16.12	17.23
25.0	1101	5.0			0.38	1.5				7.7	7.5			7.5	7.5		0.11		7.8		24.12	16.00	17.40
25.0	1101	6.0			0.36	1.4				7.7	7.5			7.5	7.5		0.13		9.3		24.21	15.94	17.48
25.0	1101	7.0			0.35	1.3				7.8	7.5			7.5	7.5		0.15		10.6		24.24	15.91	17.51
25.0	1101	8.0			0.35	1.3				7.8	7.6			7.6	7.6		0.17		11.9		24.24	15.92	17.51
24.0	1117	1.0	2.2	0.79	0.39	1.6				7.8	7.8			7.8	7.8		0.05		3.8	0.9	24.18	16.08	17.43
24.0	1117	2.0			0.40	1.7				8.1	7.8	7.5		7.8	7.8		0.05		4.1		24.22	15.87	17.50
24.0	1117	3.0			0.41	1.7				8.1	7.8			7.8	7.8		0.06		4.6		24.24	15.78	17.53
24.0	1117	4.0			0.40	1.7				8.1	7.8			7.8	7.8		0.08		6.0		24.26	15.74	17.56
24.0	1117	5.0			0.39	1.6				8.1	7.8			7.8	7.8		0.09		6.6		24.33	15.68	17.63
24.0	1117	6.0			0.37	1.5				8.1	7.8			7.8	7.8		0.10		7.3		24.38	15.64	17.68
24.0	1117	7.0			0.37	1.4				8.1	7.8			7.8	7.8		0.12		8.1		24.39	15.63	17.68
24.0	1117	8.0			0.37	1.4				8.1	7.8			7.8	7.8		0.12		8.3		24.43	15.59	17.72
24.0	1117	9.0			0.36	1.4				8.1	7.8			7.8	7.8		0.13		9.1		24.44	15.59	17.73
24.0	1117	10.0	1.5	0.33	0.36	1.4				8.1	7.8			7.8	7.8		0.13		9.2		24.44	15.58	17.74

LOCATION: South San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/	FLUOR	CHL a	DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a															
23.0	1129	1.0			0.39	1.6			8.2	7.9		0.03		2.6	0.9	24.42	15.81	17.66	
23.0	1129	2.0			0.40	1.7			8.1	7.8		0.04		3.3		24.47	15.68	17.73	
23.0	1129	3.0			0.41	1.7			8.1	7.8		0.05		4.0		24.51	15.60	17.78	
23.0	1129	4.0			0.39	1.6			8.1	7.8		0.07		5.0		24.57	15.54	17.84	
23.0	1129	5.0			0.39	1.6			8.1	7.8		0.08		5.7		24.59	15.51	17.86	
23.0	1129	6.0			0.38	1.6			8.1	7.8		0.09		6.1		24.62	15.47	17.89	
23.0	1129	7.0			0.38	1.5			8.1	7.8		0.09		6.4		24.65	15.42	17.93	
23.0	1129	8.0			0.38	1.5			8.1	7.8		0.10		6.9		24.70	15.36	17.98	
23.0	1129	9.0			0.38	1.5			8.1	7.8		0.10		7.2		24.72	15.34	18.00	
23.0	1129	10.0			0.37	1.5			8.1	7.8		0.10		7.2		24.72	15.35	17.99	
23.0	1129	11.0			0.37	1.5			8.1	7.8		0.10		7.0		24.75	15.32	18.02	
23.0	1129	12.0			0.38	1.5			8.1	7.8		0.10		7.0		24.77	15.30	18.04	
23.0	1129	13.0			0.38	1.6			8.1	7.8		0.10		7.0		24.78	15.30	18.05	
23.0	1129	14.0			0.39	1.6			8.1	7.8		0.10		7.2		24.79	15.28	18.06	
23.0	1129	15.0			0.39	1.6			8.1	7.8		0.10		7.2		24.79	15.28	18.06	
22.0	1148	1.0			0.41	1.7			8.1	7.8		0.01		1.2	1.0	25.00	15.42	18.19	
22.0	1148	2.0			0.44	2.0			8.0	7.8		0.02		1.6		25.01	15.21	18.25	
22.0	1148	3.0			0.47	2.2			8.1	7.8		0.04		3.3		25.02	15.15	18.26	
22.0	1148	4.0			0.46	2.1			8.0	7.8		0.05		3.6		25.03	15.11	18.28	
22.0	1148	5.0			0.44	2.0			8.0	7.8		0.06		4.1		25.04	15.06	18.30	
22.0	1148	6.0			0.41	1.8			8.0	7.8		0.07		5.0		25.06	14.98	18.33	
22.0	1148	7.0			0.40	1.7			8.0	7.7		0.08		5.9		25.12	14.93	18.38	
22.0	1148	8.0			0.40	1.7			8.0	7.7		0.10		7.3		25.19	14.84	18.46	
22.0	1148	9.0			0.40	1.7			8.0	7.7		0.13		9.3		25.25	14.79	18.51	
22.0	1148	10.0			0.41	1.8			8.0	7.7		0.13		9.2		25.36	14.77	18.61	
22.0	1148	11.0			0.43	1.9			8.0	7.7		0.14		9.5		25.51	14.66	18.74	
22.0	1148	12.0			0.44	2.0			7.9	7.7		0.16		10.7		25.62	14.58	18.84	
22.0	1148	13.0			0.45	2.1			7.8	7.6		0.16		11.3		25.76	14.50	18.96	
22.0	1148	14.0			0.47	2.2			7.8	7.6		0.18		12.3		26.05	14.32	19.23	
22.0	1148	15.0			0.49	2.3			7.8	7.5		0.19		12.7		26.31	14.15	19.45	

LOCATION: South San Francisco Bay

DATE: May 12, 1993

JULIAN DAY: 93132

SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
22.0	1148	16.0			0.50	2.4	7.6	7.4		0.19	13.1		26.76	13.86	19.86
22.0	1148	17.0			0.51	2.5	7.6	7.4		0.21	14.5		27.42	13.48	20.44
22.0	1148	18.0			0.50	2.4	7.6	7.4		0.28	18.8		27.58	13.38	20.58
22.0	1148	19.0			0.49	2.4	7.7	7.5		0.38	25.5		27.59	13.39	20.59
21.0	1202	1.0	2.9	0.83	0.40	1.6	8.0	7.8	8.3	0.05	3.8	1.1	24.19	15.69	17.52
21.0	1202	2.0			0.41	1.8	8.0	7.8		0.06	4.2		24.21	15.65	17.54
21.0	1202	3.0			0.42	1.8	8.0	7.8		0.06	4.2		24.21	15.65	17.54
21.0	1202	4.0			0.41	1.8	8.0	7.8		0.06	4.6		24.23	15.63	17.56
21.0	1202	5.0			0.41	1.8	8.1	7.8		0.07	5.1		24.25	15.59	17.59
21.0	1202	6.0			0.40	1.7	8.0	7.7		0.08	5.7		24.30	15.55	17.63
21.0	1202	7.0			0.40	1.7	8.0	7.7		0.08	6.0		24.35	15.50	17.68
21.0	1202	8.0			0.41	1.7	8.0	7.7		0.11	7.8		24.42	15.46	17.74
21.0	1202	9.0			0.41	1.7	7.9	7.6		0.13	8.8		24.59	15.30	17.91
21.0	1202	10.0			0.41	1.8	7.8	7.6		0.13	9.2		25.01	14.94	18.30
21.0	1202	11.0			0.43	1.9	7.8	7.5		0.14	9.9		25.20	14.74	18.49
21.0	1202	12.0			0.44	2.0	7.7	7.5		0.16	11.0		25.47	14.54	18.74
21.0	1202	13.0			0.47	2.2	7.7	7.5		0.18	12.3		25.67	14.42	18.91
21.0	1202	14.0			0.51	2.5	7.7	7.5		0.19	12.9		25.82	14.33	19.04
21.0	1202	15.0			0.54	2.7	7.7	7.5		0.20	14.0		25.87	14.31	19.08
21.0	1202	16.0			0.54	2.7	7.7	7.5		0.21	14.1		25.93	14.28	19.13
21.0	1202	17.0			0.58	3.0	7.5	7.3		0.22	15.1		26.61	13.80	19.75
21.0	1202	18.0	3.2	0.38	0.58	3.0	7.5	7.4		0.29	19.8		27.40	13.32	20.45

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	12	0.416	7.392	-1.281	0.532
OBS Calibration:	8	0.750	66.093	0.440	11.705
Dissolved Oxygen Calibration:	9	0.857	0.777	1.508	0.199

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

LOCATION: South San Francisco Bay

DATE: May 19, 1993

JULIAN DAY: 93139

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PMA	FLUOR	CALC		DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			CHL a	OXYG												
32.0	1448	1.0	1.0	0.33	0.39	1.3	7.5	7.7	7.7	7.7	7.7	7.7	11.9	0.17	13.6	1.5	22.75	18.45	15.82	
32.0	1448	2.0			0.38	1.3		7.7	7.7	7.7	7.7	7.7		0.17	13.6		22.93	18.26	16.00	
32.0	1448	3.0			0.38	1.2		7.8	7.8	7.8	7.8	7.8		0.17	13.9		23.15	18.15	16.18	
32.0	1448	4.0			0.38	1.1		7.8	7.8	7.8	7.8	7.8		0.18	14.2		23.30	18.07	16.32	
32.0	1448	5.0			0.37	1.1		7.8	7.8	7.8	7.9	7.9		0.19	14.4		23.33	18.05	16.35	
32.0	1448	6.0			0.37	1.0		7.8	7.8	7.8	7.9	7.9		0.19	14.5		23.33	18.05	16.35	
32.0	1448	7.0			0.37	1.0		7.8	7.8	7.8	7.9	7.9		0.19	14.5		23.33	18.04	16.35	
32.0	1448	8.0			0.37	1.0		7.8	7.8	7.8	7.9	7.9		0.19	14.6		23.33	18.03	16.35	
32.0	1448	9.0			0.37	1.0		7.8	7.8	7.8	7.9	7.9		0.19	14.3		23.32	18.02	16.35	
32.0	1448	10.0			0.37	1.0		7.8	7.8	7.8	7.9	7.9		0.19	14.5		23.33	18.00	16.36	
32.0	1448	11.0			0.37	1.0		7.8	7.8	7.8	7.8	7.8		0.19	14.7		23.34	17.99	16.37	
32.0	1448	12.0			0.37	1.0		7.8	7.8	7.8	7.8	7.8		0.20	15.1		23.36	17.99	16.38	
32.0	1448	13.0			0.37	1.0		7.7	7.7	7.7	7.7	7.7		0.22	15.6		23.36	17.99	16.39	
31.0	1435	1.0			0.41	1.7		8.1	8.1	8.1	8.1	8.1		0.07	9.6	1.1	23.59	18.07	16.55	
31.0	1435	2.0			0.39	1.5		8.1	8.1	8.1	8.1	8.1		0.09	10.2		23.64	18.02	16.59	
31.0	1435	3.0			0.38	1.2		8.1	8.1	8.1	8.1	8.1		0.09	10.3		23.67	17.92	16.64	
31.0	1435	4.0			0.37	1.1		8.1	8.1	8.1	8.1	8.1		0.09	10.4		23.70	17.88	16.67	
31.0	1435	5.0			0.37	1.0		8.1	8.1	8.1	8.1	8.1		0.09	10.5		23.72	17.86	16.69	
31.0	1435	6.0			0.37	1.0		8.1	8.1	8.1	8.1	8.1		0.09	10.3		23.72	17.85	16.69	
31.0	1435	7.0			0.37	0.9		8.2	8.2	8.2	8.1	8.1		0.09	10.5		23.73	17.84	16.70	
31.0	1435	8.0			0.37	0.9		8.2	8.2	8.2	8.2	8.2		0.09	10.4		23.75	17.85	16.71	
31.0	1435	9.0			0.37	1.0		8.2	8.2	8.2	8.1	8.1		0.09	10.4		23.76	17.86	16.72	
31.0	1435	10.0			0.37	1.0		8.2	8.2	8.2	8.1	8.1		0.11	11.1		23.76	17.86	16.72	
31.0	1435	11.0			0.37	1.1		8.2	8.2	8.2	8.2	8.2		0.09	10.4		23.76	17.85	16.72	
31.0	1435	12.0			0.37	1.1		8.2	8.2	8.2	8.2	8.2		0.10	10.6		23.76	17.85	16.72	
31.0	1435	13.0			0.37	1.1		8.2	8.2	8.2	8.1	8.1		0.10	10.6		23.76	17.85	16.72	
31.0	1435	14.0			0.37	1.0		8.1	8.1	8.1	8.1	8.1		0.09	10.5		23.76	17.85	16.73	
31.0	1435	15.0			0.37	1.0		8.2	8.2	8.2	8.1	8.1		0.09	10.5		23.77	17.84	16.73	

LOCATION: South San Francisco Bay

DATE: May 19, 1993

JULIAN DAY: 93139

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR		OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a															
30.0	1415	1.0	1.8	0.55	0.43	2.1	7.9	8.2	8.2	8.2	8.2	5.9	0.02	7.4	0.9	23.92	18.28	16.75	
30.0	1415	2.0			0.44	2.4		8.1	8.1	8.1	8.1		0.02	7.3		24.03	18.03	16.89	
30.0	1415	3.0			0.44	2.4		8.2	8.1	8.1	8.1		0.02	7.2		24.15	17.75	17.04	
30.0	1415	4.0			0.42	2.1		8.2	8.1	8.1	8.1		0.02	7.4		24.22	17.66	17.11	
30.0	1415	5.0			0.40	1.7		8.2	8.2	8.2	8.2		0.03	7.7		24.26	17.58	17.17	
30.0	1415	6.0			0.38	1.3		8.2	8.2	8.2	8.2		0.03	7.9		24.27	17.54	17.18	
30.0	1415	7.0			0.37	1.1		8.2	8.2	8.2	8.2		0.04	8.2		24.27	17.54	17.18	
30.0	1415	8.0			0.37	1.0		8.2	8.2	8.2	8.2		0.04	8.3		24.27	17.53	17.18	
30.0	1415	9.0			0.36	0.9		8.2	8.2	8.2	8.2		0.05	8.6		24.27	17.51	17.18	
30.0	1415	10.0			0.36	0.9		8.2	8.2	8.2	8.2		0.06	8.9		24.27	17.50	17.19	
30.0	1415	11.0			0.36	0.9		8.2	8.2	8.2	8.2		0.06	9.1		24.27	17.50	17.19	
30.0	1415	12.0			0.36	0.8		8.3	8.2	8.2	8.2		0.06	9.1		24.27	17.50	17.19	
30.0	1415	13.0			0.36	0.8		8.3	8.2	8.2	8.2		0.07	9.3		24.27	17.50	17.19	
30.0	1415	14.0			0.36	0.8		8.3	8.2	8.2	8.2		0.06	9.1		24.27	17.49	17.19	
30.0	1415	15.0			0.35	0.6		8.2	8.2	8.2	8.2		0.05	8.8		24.27	17.49	17.19	
30.0	1415	16.0			0.35	0.6		8.2	8.2	8.2	8.2		0.06	8.9		24.28	17.50	17.20	
29.5	1402	1.0			0.49	3.4		7.6	7.7	7.7	7.7		0.00	6.5	0.8	24.31	17.79	17.15	
29.5	1402	2.0			0.49	3.4		7.6	7.7	7.7	7.7		0.00	6.6		24.33	17.72	17.19	
29.5	1402	3.0			0.48	3.2		7.6	7.7	7.7	7.7		0.00	6.7		24.36	17.69	17.22	
29.5	1402	4.0			0.46	2.9		7.6	7.7	7.7	7.7		0.01	7.1		24.38	17.67	17.24	
29.5	1402	5.0			0.45	2.6		7.6	7.7	7.7	7.7		0.02	7.2		24.40	17.65	17.25	
29.5	1402	6.0			0.43	2.3		7.6	7.6	7.6	7.6		0.02	7.4		24.42	17.62	17.28	
29.5	1402	7.0			0.41	1.9		7.6	7.7	7.7	7.7		0.03	7.8		24.46	17.52	17.33	
29.5	1402	8.0			0.39	1.4		7.6	7.6	7.6	7.6		0.04	8.1		24.47	17.47	17.35	
29.5	1402	9.0			0.38	1.1		7.6	7.6	7.6	7.6		0.04	8.1		24.50	17.37	17.39	
29.5	1402	10.0			0.37	1.1		7.6	7.7	7.7	7.7		0.05	8.5		24.50	17.37	17.39	
29.5	1402	11.0			0.37	1.0		7.7	7.7	7.7	7.7		0.05	8.7		24.50	17.36	17.40	
29.5	1402	12.0			0.37	1.0		7.7	7.7	7.7	7.7		0.06	9.0		24.50	17.36	17.40	
29.5	1402	13.0			0.37	1.0		7.7	7.7	7.7	7.7		0.06	9.1		24.50	17.36	17.40	
29.5	1402	14.0			0.37	1.1		7.7	7.7	7.7	7.7		0.06	9.2		24.51	17.35	17.40	

LOCATION: South San Francisco Bay
 DATE: May 19, 1993
 JULIAN DAY: 93139
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
29.5	1402	15.0		0.37		1.0		7.7	7.7			0.07			24.51	17.35	17.40
29.5	1402	16.0		0.37		1.0		7.7	7.7			0.08			24.51	17.35	17.41
29.0	1349	1.0		0.57		4.9		8.3	8.3			0.02		0.8	24.02	18.46	16.78
29.0	1349	2.0		0.56		4.7		8.4	8.3			0.02			24.35	17.99	17.14
29.0	1349	3.0		0.54		4.3		8.4	8.3			0.01			24.49	17.79	17.29
29.0	1349	4.0		0.51		3.8		8.4	8.3			0.01			24.53	17.68	17.34
29.0	1349	5.0		0.49		3.5		8.4	8.3			0.02			24.56	17.59	17.39
29.0	1349	6.0		0.48		3.3		8.4	8.4			0.03			24.58	17.53	17.42
29.0	1349	7.0		0.48		3.1		8.4	8.4			0.04			24.59	17.51	17.43
29.0	1349	8.0		0.48		3.1		8.4	8.4			0.05			24.59	17.51	17.43
29.0	1349	9.0		0.47		3.0		8.4	8.4			0.05			24.60	17.47	17.44
29.0	1349	10.0		0.47		3.1		8.4	8.4			0.06			24.59	17.49	17.43
29.0	1349	11.0		0.47		3.0		8.4	8.3			0.06			24.61	17.42	17.47
29.0	1349	12.0		0.46		2.7		8.4	8.3			0.06			24.66	17.33	17.52
29.0	1349	13.0		0.43		2.3		8.4	8.3			0.07			24.72	17.24	17.59
29.0	1349	14.0		0.41		1.8		8.4	8.3			0.07			24.77	17.19	17.64
29.0	1349	15.0		0.40		1.7		8.4	8.3			0.07			24.78	17.17	17.65
29.0	1349	16.0		0.41		1.7		8.4	8.4			0.07			24.78	17.17	17.65
28.0	1334	1.0		0.52		3.9		7.9	7.9			-.03		1.0	24.01	18.34	16.80
28.0	1334	2.0		0.50		3.6		7.8	7.8			0.02			24.52	17.73	17.33
28.0	1334	3.0		0.46		2.8		7.8	7.8			0.03			24.74	17.28	17.60
28.0	1334	4.0		0.43		2.2		7.9	7.9			0.05			24.90	17.15	17.75
28.0	1334	5.0		0.42		2.1		7.9	7.9			0.07			24.99	17.09	17.83
28.0	1334	6.0		0.43		2.2		8.0	8.0			0.08			25.06	17.04	17.90
28.0	1334	7.0		0.44		2.4		8.0	8.0			0.08			25.13	17.00	17.95
28.0	1334	8.0		0.44		2.5		8.0	8.0			0.06			25.17	16.95	18.00
28.0	1334	9.0		0.46		2.7		8.1	8.1			0.04			25.18	16.94	18.01
28.0	1334	10.0		0.46		2.8		8.1	8.1			0.04			25.18	16.93	18.01
28.0	1334	11.0		0.46		2.8		8.1	8.1			0.03			25.18	16.93	18.01

LOCATION: South San Francisco Bay

DATE: May 19, 1993

JULIAN DAY: 93139

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a																
28.0	1334	12.0			0.47	2.9	8.1	8.1	0.03	7.7	25.18	16.92	18.01							
28.0	1334	13.0			0.47	3.0	8.1	8.1	0.03	7.6	25.18	16.92	18.01							
28.0	1334	14.0			0.48	3.2	8.1	8.1	0.02	7.5	25.18	16.92	18.01							
28.0	1334	15.0			0.49	3.3	8.1	8.1	0.02	7.5	25.18	16.92	18.01							
28.0	1334	16.0			0.49	3.4	8.1	8.1	0.03	7.6	25.18	16.92	18.01							
28.0	1334	17.0			0.49	3.4	8.2	8.1	0.03	7.6	25.18	16.92	18.01							
27.0	1318	1.0	5.0	0.79	0.58	5.2	8.3	8.3	0.01	7.1	0.8	17.65	17.83							
27.0	1318	2.0			0.59	5.3	8.1	8.1	0.02	7.3	25.17	17.60	17.85							
27.0	1318	3.0			0.53	4.2	8.2	8.2	0.02	7.3	25.27	17.06	18.05							
27.0	1318	4.0			0.49	3.4	8.2	8.2	0.02	7.3	25.27	16.95	18.08							
27.0	1318	5.0			0.47	2.9	8.3	8.2	0.02	7.4	25.28	16.92	18.09							
27.0	1318	6.0			0.45	2.6	8.3	8.3	0.02	7.5	25.28	16.91	18.09							
27.0	1318	7.0			0.44	2.4	8.3	8.3	0.03	7.6	25.28	16.91	18.09							
27.0	1318	8.0			0.43	2.3	8.3	8.3	0.03	7.7	25.28	16.91	18.09							
27.0	1318	9.0			0.43	2.2	8.3	8.3	0.03	7.9	25.28	16.91	18.09							
27.0	1318	10.0			0.43	2.3	8.3	8.3	0.04	8.0	25.28	16.91	18.09							
27.0	1318	11.0			0.43	2.3	8.3	8.3	0.04	8.0	25.28	16.91	18.10							
27.0	1318	12.0			0.43	2.3	8.3	8.3	0.03	7.9	25.29	16.90	18.10							
27.0	1318	13.0			0.44	2.3	8.3	8.3	0.04	8.1	25.29	16.90	18.10							
27.0	1318	14.0			0.44	2.3	8.3	8.3	0.04	8.2	25.29	16.90	18.10							
26.0	1302	1.0			0.50	3.6	8.3	8.3	0.01	7.0	0.7	17.08	18.16							
26.0	1302	2.0			0.54	4.3	8.4	8.4	0.02	7.2	25.45	16.87	18.23							
26.0	1302	3.0			0.53	4.2	8.4	8.3	0.03	7.7	25.47	16.86	18.25							
26.0	1302	4.0			0.48	3.2	8.3	8.3	0.03	7.6	25.49	16.80	18.27							
26.0	1302	5.0			0.44	2.3	8.3	8.3	0.03	7.6	25.49	16.71	18.30							
26.0	1302	6.0			0.42	1.9	8.4	8.3	0.02	7.4	25.50	16.67	18.31							
26.0	1302	7.0			0.41	1.8	8.4	8.3	0.03	7.6	25.50	16.66	18.31							
26.0	1302	8.0			0.41	1.8	8.4	8.3	0.03	7.8	25.50	16.65	18.31							
26.0	1302	9.0			0.41	1.8	8.4	8.3	0.04	8.0	25.50	16.64	18.32							

LOCATION: South San Francisco Bay

DATE: May 19, 1993

JULIAN DAY: 93139

Seabird v4.026

STN	TIME	DEPTH	DISC CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISC OXYG	OXYG	CALC OXYG	DISC SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIQT
26.0	1302	10.0			0.40	1.6		8.4	8.3		0.04	8.1		25.50	16.63	18.32
26.0	1302	11.0			0.40	1.6		8.4	8.3		0.04	8.3		25.50	16.63	18.32
25.0	1245	1.0			0.37	1.0		8.3	8.3		0.03	7.6	0.9	25.60	16.51	18.42
25.0	1245	2.0			0.39	1.3		8.3	8.3		0.03	7.9		25.60	16.35	18.46
25.0	1245	3.0			0.41	1.8		8.3	8.2		0.04	8.2		25.62	16.30	18.48
25.0	1245	4.0			0.41	1.8		8.3	8.2		0.06	8.9		25.66	16.22	18.53
25.0	1245	5.0			0.41	1.9		8.3	8.2		0.07	9.5		25.70	16.16	18.58
25.0	1245	6.0			0.41	1.9		8.3	8.3		0.08	9.8		25.75	16.09	18.63
25.0	1245	7.0			0.41	1.8		8.3	8.3		0.09	10.1		25.79	16.05	18.67
25.0	1245	8.0			0.40	1.7		8.3	8.3		0.10	10.6		25.80	16.04	18.67
25.0	1245	9.0			0.40	1.6		8.3	8.3		0.12	11.6		25.80	16.04	18.67
24.0	1232	1.0	2.8	0.43	0.45	2.6	8.3	7.9	7.9	14.5	0.08	10.0	1.0	26.42	15.61	19.24
24.0	1232	2.0			0.47	2.9		7.9	7.9		0.08	9.8		26.45	15.48	19.30
24.0	1232	3.0			0.48	3.2		7.9	7.9		0.10	10.9		26.45	15.45	19.30
24.0	1232	4.0			0.48	3.3		7.9	7.9		0.13	11.9		26.47	15.42	19.32
24.0	1232	5.0			0.48	3.2		8.0	8.0		0.14	12.3		26.46	15.42	19.32
24.0	1232	6.0			0.48	3.2		8.0	8.0		0.17	13.6		26.47	15.41	19.32
24.0	1232	7.0			0.48	3.2		8.0	8.0		0.18	14.0		26.47	15.41	19.32
24.0	1232	8.0			0.48	3.2		8.0	8.0		0.19	14.7		26.47	15.41	19.33
24.0	1232	9.0			0.49	3.4		8.0	8.0		0.20	15.2		26.48	15.41	19.33
24.0	1232	10.0			0.50	3.6		8.0	8.0		0.23	16.2		26.48	15.41	19.33
24.0	1232	11.0			0.50	3.6		8.0	8.0		0.23	16.2		26.48	15.41	19.33
23.0	1214	1.0			0.46	2.8		8.6	8.5		0.14	12.3	1.1	26.49	15.19	19.38
23.0	1214	2.0			0.48	3.2		8.6	8.5		0.14	12.3		26.50	15.17	19.39
23.0	1214	3.0			0.50	3.6		8.5	8.5		0.14	12.6		26.50	15.16	19.40
23.0	1214	4.0			0.51	3.7		8.6	8.5		0.15	12.7		26.50	15.16	19.40
23.0	1214	5.0			0.49	3.5		8.6	8.5		0.15	12.8		26.50	15.16	19.40
23.0	1214	6.0			0.49	3.3		8.6	8.5		0.15	12.9		26.50	15.16	19.40

LOCATION: South San Francisco Bay

DATE: May 19, 1993

JULIAN DAY: 93139

SeaBird v4.026

STN	TIME	DEPTH	DISCR		CHL a	FLUOR	CALC	DISCR		OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a/σ+PHA				OXYG	SPM									
23.0	1214	7.0			0.47	3.1	8.6	8.5	8.5	0.16	13.3	26.50	15.16	19.40				
23.0	1214	8.0			0.47	3.0	8.6	8.5	8.5	0.18	14.1	26.50	15.16	19.40				
23.0	1214	9.0			0.48	3.1	8.6	8.5	8.5	0.18	14.2	26.51	15.15	19.41				
23.0	1214	10.0			0.48	3.2	8.5	8.5	8.5	0.21	15.3	26.51	15.15	19.41				
23.0	1214	11.0			0.49	3.4	8.5	8.5	8.5	0.21	15.3	26.51	15.15	19.41				
23.0	1214	12.0			0.50	3.6	8.5	8.5	8.5	0.21	15.4	26.51	15.15	19.41				
23.0	1214	13.0			0.51	3.7	8.5	8.5	8.5	0.23	16.3	26.52	15.15	19.42				
23.0	1214	14.0			0.51	3.8	8.5	8.5	8.5	0.25	16.9	26.52	15.15	19.42				
23.0	1214	15.0			0.52	4.0	8.5	8.5	8.5	0.25	17.2	26.52	15.15	19.42				
23.0	1214	16.0			0.53	4.1	8.5	8.5	8.5	0.27	17.8	26.52	15.14	19.42				
23.0	1214	17.0			0.53	4.2	8.5	8.5	8.5	0.27	18.0	26.53	15.14	19.42				
22.0	1156	1.0			0.41	1.8	8.4	8.3	8.3	0.04	8.2	26.32	15.85	19.12	1.0			
22.0	1156	2.0			0.44	2.4	8.3	8.3	8.3	0.04	8.3	26.46	15.48	19.30				
22.0	1156	3.0			0.49	3.4	8.3	8.3	8.3	0.05	8.8	26.76	15.16	19.59				
22.0	1156	4.0			0.50	3.6	8.3	8.3	8.3	0.08	9.9	26.93	14.94	19.77				
22.0	1156	5.0			0.50	3.6	8.4	8.3	8.3	0.09	10.5	27.21	14.67	20.05				
22.0	1156	6.0			0.50	3.5	8.4	8.4	8.4	0.13	12.0	27.30	14.62	20.12				
22.0	1156	7.0			0.50	3.5	8.4	8.4	8.4	0.17	13.6	27.36	14.59	20.18				
22.0	1156	8.0			0.51	3.7	8.5	8.4	8.4	0.20	15.1	27.45	14.54	20.26				
22.0	1156	9.0			0.52	3.9	8.5	8.4	8.4	0.22	15.8	27.48	14.53	20.28				
22.0	1156	10.0			0.53	4.2	8.5	8.4	8.4	0.25	17.0	27.50	14.53	20.29				
22.0	1156	11.0			0.55	4.6	8.5	8.4	8.4	0.26	17.5	27.52	14.52	20.31				
22.0	1156	12.0			0.57	4.9	8.5	8.4	8.4	0.27	18.0	27.54	14.51	20.33				
22.0	1156	13.0			0.57	5.0	8.5	8.4	8.4	0.32	20.2	27.54	14.50	20.33				
22.0	1156	14.0			0.57	5.0	8.5	8.5	8.5	0.38	22.4	27.54	14.50	20.33				
22.0	1156	15.0			0.59	5.4	8.5	8.5	8.5	0.39	23.1	27.55	14.50	20.34				
22.0	1156	16.0			0.61	5.7	8.5	8.5	8.5	0.42	24.3	27.55	14.50	20.34				
22.0	1156	17.0			0.82	9.9	8.5	8.5	8.5	0.53	28.7	27.55	14.49	20.34				
22.0	1156	18.0			0.89	11.3	8.5	8.5	8.5	0.63	33.3	27.54	14.50	20.33				

LOCATION: South San Francisco Bay
 DATE: May 19, 1993
 JULIAN DAY: 93139
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	OBS SPM	DISCR SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	1140	1.0	3.3	0.47	0.45	2.6	8.3	8.1	11.8	0.13	12.0	1.4	26.32	15.37	19.22
21.0	1140	2.0			0.47	3.0		8.1		0.17	13.5		26.55	15.22	19.42
21.0	1140	3.0			0.48	3.3		8.1		0.18	14.0		26.84	15.02	19.69
21.0	1140	4.0			0.49	3.5		8.1		0.17	13.5		27.13	14.81	19.96
21.0	1140	5.0			0.50	3.5		8.1		0.18	14.2		27.28	14.72	20.09
21.0	1140	6.0			0.51	3.8		8.1		0.19	14.5		27.48	14.60	20.26
21.0	1140	7.0			0.52	4.1		8.1		0.20	15.0		27.69	14.48	20.45
21.0	1140	8.0			0.53	4.1		8.1		0.23	16.3		28.08	14.29	20.79
21.0	1140	9.0			0.54	4.3		8.2		0.27	17.9		28.21	14.22	20.91
21.0	1140	10.0			0.56	4.8		8.2		0.33	20.6		28.28	14.19	20.96
21.0	1140	11.0			0.59	5.4		8.2		0.41	23.8		28.29	14.17	20.98
21.0	1140	12.0			0.61	5.7		8.2		0.49	27.3		28.30	14.16	20.98
21.0	1140	13.0			0.62	6.0		8.2		0.59	31.5		28.29	14.16	20.98
21.0	1140	14.0			0.63	6.1		8.3		0.61	32.2		28.29	14.16	20.98
21.0	1140	15.0			0.64	6.3		8.3		0.62	32.7		28.29	14.16	20.98
21.0	1140	16.0			0.65	6.5		8.3		0.75	38.0		28.30	14.15	20.99
21.0	1140	17.0			0.66	6.8		8.3		0.80	40.3		28.30	14.15	20.99
21.0	1140	18.0			0.66	6.7		8.3		0.88	43.7		28.30	14.15	20.99

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	5	0.913	19.786	-6.322	0.520
OBS Calibration:	5	0.553	42.271	6.506	2.968
Dissolved Oxygen Calibration:	5	0.350	0.878	0.975	0.334

LOCATION: South San Francisco Bay

DATE: June 2, 1993

JULIAN DAY: 93153

SeaBird v4.026

STN	TIME	DEPTH	CHL a		CHL a/ a+PHA	FLUOR	CHL a		DISCR		OXYG	DISCR		OXYG	OBS	CALC		EXCOF	SALIN	TEMP	SIGT
			DISCR	CHL a			CALC	CHL a	DISCR	OXYG		CALC	SPM								
33.0	1236	1.0			0.58	2.4					7.3			7.6			2.3	24.02	20.13	16.38	
33.0	1236	2.0			0.58	2.4					7.2			7.5				24.09	20.00	16.47	
33.0	1236	3.0			0.54	2.3					7.1			7.5				24.19	19.88	16.57	
33.0	1236	4.0			0.51	2.2					7.2			7.5				24.32	19.69	16.72	
33.0	1236	5.0			0.50	2.2					7.2			7.5				24.33	19.67	16.73	
33.0	1236	6.0			0.49	2.2					7.2			7.5				24.35	19.61	16.76	
33.0	1236	7.0			0.49	2.1					7.1			7.5				24.38	19.57	16.79	
33.0	1236	8.0			0.47	2.1					7.2			7.5				24.49	19.49	16.89	
33.0	1236	9.0			0.47	2.1					7.2			7.5				24.55	19.47	16.94	
33.0	1236	10.0			0.47	2.1					7.2			7.5				24.60	19.45	16.98	
33.0	1236	11.0			0.49	2.2					7.3			7.5				24.61	19.45	16.99	
33.0	1236	12.0			0.49	2.2					7.3			7.6				24.61	19.45	16.99	
33.0	1236	13.0			0.48	2.1					7.3			7.6				24.61	19.45	16.99	
33.0	1236	14.0			0.48	2.1					7.3			7.5				24.61	19.45	16.99	
32.0	1228	1.0	2.0	0.48	0.46	2.1			7.5		6.9			7.4			1.6	24.58	19.69	16.91	
32.0	1228	2.0			0.47	2.1					6.8			7.3				24.60	19.65	16.94	
32.0	1228	3.0			0.45	2.1					7.0			7.4				24.68	19.50	17.04	
32.0	1228	4.0			0.44	2.0					7.0			7.4				24.74	19.44	17.09	
32.0	1228	5.0			0.43	2.0					7.1			7.4				24.74	19.46	17.09	
32.0	1228	6.0			0.43	2.0					7.1			7.5				24.75	19.48	17.09	
32.0	1228	7.0			0.44	2.0					7.1			7.5				24.78	19.45	17.13	
32.0	1228	8.0			0.45	2.0					7.1			7.5				24.81	19.41	17.15	
32.0	1228	9.0			0.45	2.0					7.1			7.5				24.81	19.41	17.16	
32.0	1228	10.0			0.45	2.1					7.1			7.5				24.81	19.41	17.15	
32.0	1228	11.0			0.46	2.1					7.2			7.5				24.81	19.39	17.16	
32.0	1228	12.0			0.46	2.1					7.2			7.5				24.82	19.39	17.16	
32.0	1228	13.0			0.46	2.1					7.2			7.5				24.82	19.39	17.17	
32.0	1228	14.0	1.0	0.20	0.46	2.1					7.2			7.5				24.82	19.39	17.16	

LOCATION: South San Francisco Bay

DATE: June 2, 1993

JULIAN DAY: 93153

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	1217	1.0		0.43	2.0	2.0							1.7	24.88	19.47	17.19
31.0	1217	2.0		0.44	2.0	2.0								24.89	19.46	17.20
31.0	1217	3.0		0.44	2.0	2.0								24.95	19.41	17.26
31.0	1217	4.0		0.44	2.0	2.0								25.00	19.38	17.31
31.0	1217	5.0		0.44	2.0	2.0								25.00	19.38	17.31
31.0	1217	6.0		0.44	2.0	2.0								25.01	19.38	17.31
31.0	1217	7.0		0.45	2.0	2.0								25.01	19.38	17.31
31.0	1217	8.0		0.46	2.1	2.1								25.00	19.36	17.31
31.0	1217	9.0		0.46	2.1	2.1								25.00	19.36	17.31
31.0	1217	10.0		0.47	2.1	2.1								25.00	19.35	17.31
31.0	1217	11.0		0.48	2.1	2.1								25.00	19.35	17.31
31.0	1217	12.0		0.47	2.1	2.1								25.00	19.35	17.31
31.0	1217	13.0		0.47	2.1	2.1								25.00	19.34	17.31
31.0	1217	14.0		0.46	2.1	2.1								25.00	19.35	17.31
31.0	1217	15.0		0.45	2.1	2.1								24.99	19.35	17.31
31.0	1217	16.0		0.45	2.1	2.1								24.99	19.35	17.31
30.0	1200	1.0	3.4	0.47	0.37	1.8	7.4	7.3	7.6				1.3	25.21	19.28	17.49
30.0	1200	2.0		0.39	0.39	1.9		7.3	7.6					25.22	19.27	17.50
30.0	1200	3.0		0.39	0.39	1.9		7.3	7.6					25.21	19.26	17.50
30.0	1200	4.0		0.41	0.41	1.9		7.3	7.6					25.21	19.22	17.50
30.0	1200	5.0		0.40	0.40	1.9		7.3	7.6					25.21	19.20	17.51
30.0	1200	6.0		0.39	0.39	1.9		7.3	7.6					25.21	19.20	17.51
30.0	1200	7.0		0.41	0.41	1.9		7.3	7.6					25.21	19.20	17.51
30.0	1200	8.0		0.44	0.44	2.0		7.3	7.6					25.20	19.21	17.50
30.0	1200	9.0		0.44	0.44	2.0		7.3	7.6					25.20	19.21	17.50
30.0	1200	10.0		0.43	0.43	2.0		7.3	7.6					25.21	19.20	17.51
30.0	1200	11.0		0.44	0.44	2.0		7.3	7.6					25.21	19.20	17.51
30.0	1200	12.0		0.44	0.44	2.0		7.3	7.6					25.21	19.20	17.51
30.0	1200	13.0		0.44	0.44	2.0		7.3	7.6					25.21	19.19	17.51
30.0	1200	14.0		0.47	0.47	2.1		7.3	7.6					25.21	19.19	17.51

LOCATION: South San Francisco Bay

DATE: June 2, 1993

JULIAN DAY: 93153

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PNA	FLUOR	CALC CHL a	DISCR OXYG	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
30.0	1200	15.0			0.48	2.1		7.3	7.6					25.21	19.19	17.51
30.0	1200	16.0	3.8	0.44	0.46	2.1		7.3	7.6					25.21	19.19	17.51
29.5	1148	1.0			0.36	1.8		7.1	7.5				1.9	25.17	19.25	17.47
29.5	1148	2.0			0.36	1.8		7.1	7.5					25.17	19.24	17.47
29.5	1148	3.0			0.37	1.8		7.2	7.5					25.17	19.21	17.48
29.5	1148	4.0			0.37	1.8		7.2	7.5					25.18	19.18	17.49
29.5	1148	5.0			0.36	1.8		7.2	7.5					25.19	19.16	17.50
29.5	1148	6.0			0.37	1.8		7.2	7.5					25.20	19.14	17.52
29.5	1148	7.0			0.39	1.9		7.2	7.5					25.23	19.12	17.54
29.5	1148	8.0			0.40	1.9		7.2	7.5					25.24	19.11	17.55
29.5	1148	9.0			0.40	1.9		7.2	7.5					25.24	19.11	17.56
29.5	1148	10.0			0.41	1.9		7.2	7.5					25.26	19.10	17.57
29.5	1148	11.0			0.41	1.9		7.2	7.5					25.27	19.10	17.58
29.5	1148	12.0			0.41	1.9		7.3	7.5					25.27	19.10	17.58
29.5	1148	13.0			0.41	1.9		7.3	7.5					25.28	19.10	17.58
29.5	1148	14.0			0.42	2.0		7.3	7.6					25.28	19.10	17.59
29.5	1148	15.0			0.41	1.9		7.3	7.6					25.28	19.10	17.59
29.5	1148	16.0			0.41	1.9		7.3	7.6					25.28	19.10	17.59
29.0	1136	1.0			0.34	1.7		7.2	7.5				1.5	25.48	18.99	17.77
29.0	1136	2.0			0.35	1.8		7.2	7.5					25.48	18.98	17.77
29.0	1136	3.0			0.36	1.8		7.2	7.5					25.48	18.98	17.77
29.0	1136	4.0			0.35	1.8		7.2	7.5					25.49	18.94	17.79
29.0	1136	5.0			0.36	1.8		7.2	7.5					25.52	18.92	17.81
29.0	1136	6.0			0.36	1.8		7.2	7.5					25.53	18.92	17.82
29.0	1136	7.0			0.36	1.8		7.2	7.5					25.53	18.91	17.82
29.0	1136	8.0			0.38	1.8		7.2	7.5					25.53	18.91	17.82
29.0	1136	9.0			0.38	1.8		7.2	7.5					25.53	18.91	17.83
29.0	1136	10.0			0.38	1.9		7.2	7.5					25.53	18.91	17.83
29.0	1136	11.0			0.39	1.9		7.2	7.5					25.53	18.91	17.83

LOCATION: South San Francisco Bay

DATE: June 2, 1993

JULIAN DAY: 93153

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	OXYG															
29.0	1136	12.0			0.39	1.9			7.2	7.5						25.54	18.91	17.83	
29.0	1136	13.0			0.39	1.9			7.2	7.5						25.54	18.91	17.83	
29.0	1136	14.0			0.40	1.9			7.2	7.5						25.54	18.91	17.83	
29.0	1136	15.0			0.42	1.9			7.2	7.5						25.54	18.91	17.83	
29.0	1136	16.0			0.41	1.9			7.2	7.5						25.54	18.91	17.83	
29.0	1136	17.0			0.40	1.9			7.2	7.5						25.54	18.91	17.83	
28.0	1123	1.0			0.40	1.9			7.4	7.6					1.4	25.84	18.94	18.05	
28.0	1123	2.0			0.41	1.9			7.5	7.7						25.84	18.93	18.05	
28.0	1123	3.0			0.42	1.9			7.4	7.6						25.84	18.94	18.05	
28.0	1123	4.0			0.41	1.9			7.5	7.7						25.84	18.91	18.06	
28.0	1123	5.0			0.41	1.9			7.5	7.7						25.85	18.91	18.07	
28.0	1123	6.0			0.41	1.9			7.5	7.7						25.85	18.90	18.07	
28.0	1123	7.0			0.41	1.9			7.5	7.7						25.85	18.89	18.07	
28.0	1123	8.0			0.43	2.0			7.5	7.7						25.85	18.89	18.07	
28.0	1123	9.0			0.44	2.0			7.5	7.7						25.85	18.89	18.08	
28.0	1123	10.0			0.46	2.1			7.5	7.7						25.85	18.89	18.07	
28.0	1123	11.0			0.46	2.1			7.5	7.7						25.85	18.89	18.07	
28.0	1123	12.0			0.46	2.1			7.5	7.7						25.85	18.89	18.07	
28.0	1123	13.0			0.46	2.1			7.5	7.7						25.84	18.89	18.07	
28.0	1123	14.0			0.46	2.1			7.5	7.7						25.84	18.89	18.07	
28.0	1123	15.0			0.46	2.1			7.5	7.7						25.84	18.89	18.07	
28.0	1123	16.0			0.47	2.1			7.5	7.7						25.84	18.89	18.07	
28.0	1123	17.0			0.47	2.1			7.5	7.7						25.84	18.89	18.06	
27.0	1111	1.0	1.4	0.34	0.40	1.9		7.6	7.4	7.6					1.4	25.98	18.83	18.18	
27.0	1111	2.0			0.41	1.9			7.4	7.6						25.99	18.82	18.19	
27.0	1111	3.0			0.42	1.9			7.4	7.6						25.99	18.80	18.20	
27.0	1111	4.0			0.42	1.9			7.4	7.6						26.00	18.78	18.21	
27.0	1111	5.0			0.42	2.0			7.4	7.6						26.00	18.78	18.21	
27.0	1111	6.0			0.42	2.0			7.4	7.6						26.00	18.79	18.21	

LOCATION: South San Francisco Bay

DATE: June 2, 1993

JULIAN DAY: 93153

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC		DISCR	OXYG		DISCR	OBS	CALC		EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			CHL a	OXYG		OXYG	SPM			SPM					
27.0	1111	7.0			0.42	2.0	7.4	7.6								26.00	18.78	18.21	
27.0	1111	8.0			0.43	2.0	7.4	7.6								26.00	18.78	18.21	
27.0	1111	9.0			0.44	2.0	7.5	7.7								26.00	18.77	18.21	
27.0	1111	10.0			0.45	2.0	7.5	7.7								26.00	18.77	18.21	
27.0	1111	11.0			0.46	2.1	7.5	7.7								26.00	18.77	18.21	
27.0	1111	12.0			0.46	2.1	7.5	7.7								26.00	18.77	18.21	
27.0	1111	13.0			0.47	2.1	7.5	7.7								25.99	18.77	18.21	
27.0	1111	14.0	2.0	0.25	0.47	2.1	7.5	7.7								25.99	18.77	18.21	
26.0	1059	1.0			0.36	1.8	7.1	7.5							1.5	26.11	18.48	18.37	
26.0	1059	2.0			0.37	1.8	7.1	7.5								26.11	18.48	18.37	
26.0	1059	3.0			0.38	1.8	7.2	7.5								26.11	18.47	18.37	
26.0	1059	4.0			0.38	1.8	7.2	7.5								26.11	18.47	18.37	
26.0	1059	5.0			0.38	1.8	7.2	7.5								26.11	18.46	18.37	
26.0	1059	6.0			0.38	1.8	7.2	7.5								26.11	18.46	18.37	
26.0	1059	7.0			0.38	1.8	7.2	7.5								26.11	18.47	18.37	
26.0	1059	8.0			0.39	1.9	7.2	7.5								26.11	18.46	18.37	
26.0	1059	9.0			0.40	1.9	7.2	7.5								26.11	18.46	18.37	
26.0	1059	10.0			0.41	1.9	7.2	7.5								26.11	18.47	18.37	
26.0	1059	11.0			0.41	1.9	7.2	7.5								26.11	18.46	18.37	
26.0	1059	12.0			0.41	1.9	7.2	7.5								26.10	18.46	18.37	
25.0	1042	1.0			0.36	1.8	7.2	7.5							1.5	26.01	18.25	18.34	
25.0	1042	2.0			0.37	1.8	7.2	7.5								26.01	18.25	18.34	
25.0	1042	3.0			0.37	1.8	7.2	7.5								26.01	18.24	18.35	
25.0	1042	4.0			0.37	1.8	7.2	7.5								26.01	18.24	18.35	
25.0	1042	5.0			0.37	1.8	7.2	7.5								26.01	18.24	18.35	
25.0	1042	6.0			0.37	1.8	7.2	7.5								26.01	18.23	18.35	
25.0	1042	7.0			0.38	1.8	7.2	7.5								26.01	18.23	18.35	
25.0	1042	8.0			0.38	1.9	7.2	7.5								26.01	18.23	18.35	
25.0	1042	9.0			0.38	1.9	7.2	7.5								26.01	18.23	18.35	

LOCATION: South San Francisco Bay

DATE: June 2, 1993

JULIAN DAY: 93153

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR		OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a				OKYG	OKYG									
24.0	1031	1.0	1.2	0.29	0.36	1.8	1.8	7.4	7.2	7.5				1.6	26.20	17.67	18.62	
24.0	1031	2.0			0.37	1.8	1.8	7.3	7.3	7.5					26.20	17.66	18.63	
24.0	1031	3.0			0.36	1.8	1.8	7.3	7.3	7.5					26.20	17.65	18.63	
24.0	1031	4.0			0.36	1.8	1.8	7.2	7.2	7.5					26.20	17.64	18.63	
24.0	1031	5.0			0.36	1.8	1.8	7.3	7.3	7.5					26.21	17.63	18.64	
24.0	1031	6.0			0.37	1.8	1.8	7.3	7.3	7.6					26.22	17.61	18.65	
24.0	1031	7.0			0.38	1.8	1.8	7.3	7.3	7.6					26.23	17.60	18.66	
24.0	1031	8.0			0.39	1.9	1.9	7.3	7.3	7.6					26.23	17.59	18.67	
24.0	1031	9.0			0.39	1.9	1.9	7.3	7.3	7.6					26.24	17.58	18.67	
24.0	1031	10.0			0.39	1.9	1.9	7.3	7.3	7.6					26.24	17.58	18.67	
24.0	1031	11.0	1.3	0.19	0.39	1.9	1.9	7.3	7.3	7.6					26.24	17.58	18.67	
23.0	1017	1.0			0.41	1.9	1.9	7.6	7.6	7.7				1.5	26.38	17.25	18.85	
23.0	1017	2.0			0.41	1.9	1.9	7.6	7.6	7.7					26.38	17.25	18.86	
23.0	1017	3.0			0.42	1.9	1.9	7.6	7.6	7.7					26.39	17.25	18.86	
23.0	1017	4.0			0.41	1.9	1.9	7.6	7.6	7.7					26.39	17.25	18.87	
23.0	1017	5.0			0.41	1.9	1.9	7.6	7.6	7.7					26.38	17.25	18.86	
23.0	1017	6.0			0.42	2.0	2.0	7.6	7.6	7.7					26.41	17.25	18.88	
23.0	1017	7.0			0.43	2.0	2.0	7.6	7.6	7.7					26.42	17.25	18.89	
23.0	1017	8.0			0.43	2.0	2.0	7.6	7.6	7.8					26.42	17.25	18.88	
23.0	1017	9.0			0.44	2.0	2.0	7.6	7.6	7.8					26.41	17.25	18.88	
23.0	1017	10.0			0.44	2.0	2.0	7.6	7.6	7.8					26.44	17.25	18.90	
23.0	1017	11.0			0.45	2.0	2.0	7.6	7.6	7.7					26.48	17.26	18.93	
23.0	1017	12.0			0.45	2.0	2.0	7.7	7.7	7.8					26.48	17.26	18.93	
23.0	1017	13.0			0.45	2.1	2.1	7.7	7.7	7.8					26.49	17.27	18.94	
23.0	1017	14.0			0.46	2.1	2.1	7.6	7.6	7.7					26.50	17.27	18.94	
23.0	1017	15.0			0.46	2.1	2.1	7.6	7.6	7.7					26.50	17.27	18.94	
23.0	1017	16.0			0.46	2.1	2.1	7.6	7.6	7.7					26.50	17.27	18.94	

LOCATION: South San Francisco Bay

DATE: June 2, 1993

JULIAN DAY: 93153

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CHL a	DISCR	OXYG	OXYG	CALC	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT	
			CHL a	CHL a																	
22.0	1002	1.0			0.41	1.9			7.5	7.7							1.0	25.45	17.16	18.16	
22.0	1002	2.0			0.42	2.0			7.5	7.7									25.54	17.14	18.24
22.0	1002	3.0			0.43	2.0			7.4	7.6									25.84	17.05	18.49
22.0	1002	4.0			0.42	2.0			7.4	7.6									26.22	16.94	18.80
22.0	1002	5.0			0.41	1.9			7.4	7.6									26.43	16.89	18.97
22.0	1002	6.0			0.40	1.9			7.4	7.6									26.54	16.87	19.07
22.0	1002	7.0			0.39	1.9			7.5	7.7									26.69	16.84	19.18
22.0	1002	8.0			0.39	1.9			7.5	7.7									26.70	16.84	19.19
22.0	1002	9.0			0.39	1.9			7.5	7.7									26.71	16.83	19.20
22.0	1002	10.0			0.39	1.9			7.5	7.7									26.77	16.81	19.25
22.0	1002	11.0			0.40	1.9			7.5	7.7									26.84	16.79	19.31
22.0	1002	12.0			0.41	1.9			7.5	7.7									26.83	16.80	19.30
22.0	1002	13.0			0.41	1.9			7.5	7.7									26.83	16.80	19.30
22.0	1002	14.0			0.41	1.9			7.5	7.7									26.82	16.80	19.29
22.0	1002	15.0			0.41	1.9			7.5	7.7									26.85	16.79	19.32
22.0	1002	16.0			0.42	2.0			7.6	7.7									26.84	16.79	19.31
22.0	1002	17.0			0.43	2.0			7.6	7.7									26.85	16.79	19.32
22.0	1002	18.0			0.43	2.0			7.6	7.7									26.85	16.79	19.32
22.0	1002	19.0			0.44	2.0			7.6	7.7									26.83	16.79	19.30
21.0	0938	1.0	1.6	0.39	0.40	1.9		7.9	7.6	7.7							0.9	25.90	17.01	18.54	
21.0	0938	2.0			0.40	1.9			7.6	7.7									26.62	16.88	19.12
21.0	0938	3.0			0.39	1.9			7.6	7.7									26.90	16.83	19.35
21.0	0938	4.0			0.39	1.9			7.6	7.7									27.00	16.81	19.43
21.0	0938	5.0			0.39	1.9			7.6	7.8									27.02	16.80	19.44
21.0	0938	6.0			0.40	1.9			7.6	7.8									27.05	16.80	19.47
21.0	0938	7.0			0.40	1.9			7.7	7.8									27.08	16.79	19.50
21.0	0938	8.0			0.41	1.9			7.7	7.8									27.09	16.79	19.50
21.0	0938	9.0			0.41	1.9			7.7	7.8									27.08	16.79	19.50
21.0	0938	10.0			0.42	1.9			7.7	7.8									27.09	16.79	19.50
21.0	0938	11.0			0.43	2.0			7.7	7.8									27.10	16.79	19.51

LOCATION: South San Francisco Bay
 DATE: June 2, 1993
 JULIAN DAY: 93153
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	0938	12.0			0.43	2.0		7.7	7.8					27.10	16.79	19.51
21.0	0938	13.0			0.44	2.0		7.7	7.8					27.12	16.79	19.52
21.0	0938	14.0			0.44	2.0		7.7	7.8					27.12	16.79	19.52
21.0	0938	15.0			0.43	2.0		7.7	7.8					27.12	16.79	19.52
21.0	0938	16.0			0.43	2.0		7.7	7.8					27.12	16.79	19.52
21.0	0938	17.0			0.44	2.0		7.7	7.8					27.12	16.79	19.52
21.0	0938	18.0	1.9	0.30	0.44	2.0		7.7	7.8					27.11	16.79	19.52

n	r^2	Slope	Inter.	Std. Err.
10	0.016	2.923	0.729	0.982
5	0.487	0.527	3.725	0.167

Fluorometer Calibration:
 Dissolved Oxygen Calibration:
 NOTE: OBS data not available.

LOCATION: South San Francisco Bay

DATE: June 14, 1993

JULIAN DAY: 93165

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OKYG	OKYG	CALC OKYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
36.0	0840	1.0	5.1	0.59	0.83	5.4	7.4	7.5	7.9	24.1	0.25	25.2	1.6	22.78	20.52	15.34
36.0	0840	2.0			0.79	5.0		7.5	7.9		0.26	25.7		22.99	20.47	15.51
36.0	0840	3.0			0.75	4.7		7.5	7.9		0.26	25.5		23.05	20.46	15.56
36.0	0840	4.0			0.74	4.6		7.5	7.9		0.25	25.0		23.05	20.46	15.56
36.0	0840	5.0			0.76	4.8		7.6	7.9		0.25	25.4		23.06	20.46	15.56
36.0	0840	6.0			0.79	5.0		7.6	7.9		0.25	25.4		23.07	20.46	15.58
36.0	0840	7.0			0.79	5.1		7.6	7.9		0.25	24.8		23.09	20.46	15.59
36.0	0840	8.0	4.3	0.54	0.79	5.0		7.6	7.9	28.3	0.24	24.3		23.09	20.46	15.59
35.0	0915	1.0			0.86	5.7		8.0	8.2	12.2	0.07	10.5	1.4	23.23	20.80	15.61
35.0	0915	2.0			0.85	5.6		8.0	8.2		0.08	10.9		23.46	20.66	15.82
35.0	0915	3.0			0.79	5.0		7.9	8.1		0.09	12.0		23.59	20.60	15.93
35.0	0915	4.0			0.73	4.4		7.8	8.1		0.10	12.7		23.74	20.58	16.05
35.0	0915	5.0			0.69	4.1		7.8	8.1		0.11	13.7		23.79	20.59	16.09
35.0	0915	6.0			0.68	4.0		7.8	8.1		0.12	14.5		23.80	20.60	16.09
35.0	0915	7.0			0.68	4.0		7.8	8.1		0.13	15.4		23.82	20.59	16.11
35.0	0915	8.0			0.66	3.8		7.8	8.1		0.14	16.2		23.86	20.58	16.14
35.0	0915	9.0			0.66	3.8		7.8	8.1		0.16	17.9		23.86	20.57	16.15
34.0	0925	1.0			0.61	3.3		7.6	7.9	16.3	0.15	16.9	1.7	24.00	20.77	16.21
34.0	0925	2.0			0.62	3.4		7.6	7.9		0.16	17.4		24.16	20.71	16.34
34.0	0925	3.0			0.59	3.1		7.5	7.9		0.16	17.4		24.30	20.65	16.46
34.0	0925	4.0			0.57	3.0		7.6	7.9		0.18	19.2		24.31	20.64	16.47
34.0	0925	5.0			0.56	2.9		7.6	7.9		0.20	21.0		24.32	20.65	16.48
34.0	0925	6.0			0.55	2.8		7.5	7.9		0.23	23.2		24.32	20.65	16.48
34.0	0925	7.0			0.55	2.8		7.6	7.9		0.25	24.7		24.32	20.65	16.48
33.0	0943	1.0			0.61	3.4		7.8	8.1		0.09	12.0	1.2	24.50	20.58	16.63
33.0	0943	2.0			0.61	3.4		7.8	8.1		0.09	12.1		24.50	20.59	16.63
33.0	0943	3.0			0.62	3.4		7.8	8.1		0.09	12.3		24.50	20.60	16.62
33.0	0943	4.0			0.61	3.3		7.8	8.1		0.09	12.1		24.50	20.60	16.62

LOCATION: South San Francisco Bay

DATE: June 14, 1993

JULIAN DAY: 93165

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLOOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	ORS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	0943	5.0		0.58	0.58	3.0		7.7	8.0		0.09	11.9		24.54	20.56	16.66
33.0	0943	6.0		0.54	0.54	2.6		7.6	8.0		0.09	12.5		24.79	20.49	16.88
33.0	0943	7.0		0.51	0.51	2.4		7.7	8.0		0.11	13.6		24.86	20.41	16.94
33.0	0943	8.0		0.50	0.50	2.3		7.7	8.0		0.11	14.1		24.93	20.34	17.01
33.0	0943	9.0		0.49	0.49	2.2		7.7	8.0		0.11	14.0		24.94	20.34	17.03
33.0	0943	10.0		0.49	0.49	2.2		7.8	8.0		0.11	14.1		24.96	20.35	17.03
33.0	0943	11.0		0.51	0.51	2.3		7.7	8.0		0.13	15.7		24.98	20.37	17.04
33.0	0943	12.0		0.52	0.52	2.5		7.7	8.0		0.16	17.4		24.98	20.39	17.04
33.0	0943	13.0		0.53	0.53	2.6		7.7	8.0		0.20	21.2		24.98	20.39	17.05
33.0	0943	14.0		0.53	0.53	2.6		7.7	8.0		0.25	25.0		24.98	20.38	17.05
32.0	0953	1.0	2.7	0.52	0.54	2.7	7.9	7.9	8.1	9.6	0.07	10.7	1.1	24.92	20.50	16.97
32.0	0953	2.0		0.54	0.54	2.6		7.8	8.1		0.06	10.1		24.97	20.42	17.03
32.0	0953	3.0		0.51	0.51	2.3		7.8	8.1		0.07	10.5		25.03	20.30	17.10
32.0	0953	4.0		0.49	0.49	2.2		7.8	8.1		0.09	12.3		25.04	20.27	17.12
32.0	0953	5.0		0.48	0.48	2.1		7.8	8.1		0.12	14.3		25.05	20.26	17.13
32.0	0953	6.0		0.47	0.47	2.0		7.8	8.1		0.13	15.3		25.06	20.25	17.13
32.0	0953	7.0		0.47	0.47	2.0		7.8	8.1		0.14	16.0		25.06	20.25	17.13
32.0	0953	8.0		0.47	0.47	2.0		7.8	8.1		0.13	15.7		25.06	20.24	17.14
32.0	0953	9.0		0.48	0.48	2.1		7.8	8.1		0.13	15.4		25.06	20.24	17.14
32.0	0953	10.0		0.48	0.48	2.1		7.9	8.1		0.12	14.5		25.06	20.25	17.14
32.0	0953	11.0		0.49	0.49	2.2		7.9	8.1		0.12	14.3		25.06	20.25	17.13
32.0	0953	12.0		0.50	0.50	2.3		7.8	8.1		0.12	14.9		25.05	20.26	17.13
32.0	0953	13.0		0.51	0.51	2.4		7.8	8.1		0.16	17.7		25.05	20.26	17.13
32.0	0953	14.0	1.1	0.23	0.52	2.4		7.8	8.1	19.5	0.19	19.9		25.05	20.25	17.13
31.0	1023	1.0		0.51	0.51	2.4		7.9	8.1	6.4	0.02	6.5	0.9	25.02	20.35	17.08
31.0	1023	2.0		0.51	0.51	2.4		7.8	8.1		0.02	6.5		25.05	20.18	17.14
31.0	1023	3.0		0.49	0.49	2.2		7.8	8.1		0.02	6.5		25.05	20.12	17.16
31.0	1023	4.0		0.48	0.48	2.1		7.8	8.1		0.02	6.6		25.05	20.10	17.17
31.0	1023	5.0		0.47	0.47	2.0		7.8	8.1		0.03	6.9		25.05	20.08	17.17

LOCATION: South San Francisco Bay

DATE: June 14, 1993

JULIAN DAY: 93165

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	1023	6.0		0.47	2.0	7.9	8.1	7.9	8.1	0.02	6.6	6.6	25.05	20.06	17.18	
31.0	1023	7.0		0.47	2.0	7.9	8.1	7.9	8.1	0.02	6.5	6.5	25.05	20.06	17.18	
31.0	1023	8.0		0.46	1.9	7.9	8.1	7.9	8.1	0.02	6.5	6.5	25.05	20.05	17.18	
31.0	1023	9.0		0.46	1.9	7.9	8.1	7.9	8.1	0.02	6.2	6.2	25.05	20.05	17.18	
31.0	1023	10.0		0.46	1.9	7.9	8.1	7.9	8.1	0.02	6.2	6.2	25.05	20.05	17.18	
31.0	1023	11.0		0.46	1.9	7.9	8.1	7.9	8.1	0.02	6.3	6.3	25.05	20.05	17.18	
31.0	1023	12.0		0.47	2.0	7.9	8.1	7.9	8.1	0.02	6.4	6.4	25.05	20.05	17.18	
31.0	1023	13.0		0.47	2.0	7.9	8.1	7.9	8.1	0.02	6.4	6.4	25.05	20.05	17.18	
31.0	1023	14.0		0.46	1.9	7.8	8.1	7.8	8.1	0.02	6.5	6.5	25.05	20.05	17.18	
31.0	1023	15.0		0.46	1.9	7.9	8.1	7.9	8.1	0.06	9.8	9.8	25.05	20.05	17.18	
30.0	1042	1.0	3.7	0.59	3.1	8.0	8.0	7.7	8.0	4.7	-01	4.5	24.99	19.93	17.17	
30.0	1042	2.0		0.60	3.2	7.9	8.2	7.9	8.2	-01	-01	4.2	24.99	19.93	17.17	
30.0	1042	3.0		0.61	3.3	8.0	8.2	8.0	8.2	-01	-01	4.4	24.99	19.91	17.17	
30.0	1042	4.0		0.62	3.4	7.9	8.2	7.9	8.2	-01	-01	4.3	24.99	19.91	17.17	
30.0	1042	5.0		0.58	3.1	7.8	8.1	7.8	8.1	-01	-01	4.1	25.00	19.83	17.19	
30.0	1042	6.0		0.52	2.4	7.8	8.1	7.8	8.1	-01	-01	4.3	25.00	19.59	17.25	
30.0	1042	7.0		0.46	1.9	7.8	8.1	7.8	8.1	-01	-01	4.1	25.00	19.55	17.27	
30.0	1042	8.0		0.41	1.5	7.8	8.0	7.8	8.0	-01	-01	3.9	25.00	19.50	17.28	
30.0	1042	9.0		0.39	1.2	7.8	8.0	7.8	8.0	-01	-01	3.8	25.01	19.47	17.29	
30.0	1042	10.0		0.38	1.1	7.7	8.0	7.7	8.0	-01	-01	3.9	25.01	19.45	17.30	
30.0	1042	11.0		0.37	1.1	7.7	8.0	7.7	8.0	-01	-01	4.0	25.01	19.44	17.30	
30.0	1042	12.0		0.37	1.0	7.8	8.0	7.8	8.0	-01	-01	4.1	25.01	19.44	17.30	
30.0	1042	13.0		0.37	1.0	7.7	8.0	7.7	8.0	-01	-01	4.5	25.01	19.44	17.30	
30.0	1042	14.0		0.37	1.0	7.8	8.0	7.8	8.0	0.01	5.4	5.4	25.01	19.44	17.30	
29.5	1057	1.0		0.44	1.7	7.4	7.8	7.4	7.8	-00	-00	4.6	25.05	19.45	17.33	
29.5	1057	2.0		0.45	1.8	7.5	7.9	7.5	7.9	-02	-02	3.6	25.05	19.45	17.33	
29.5	1057	3.0		0.46	1.9	7.7	8.0	7.7	8.0	-02	-02	3.5	25.05	19.45	17.33	
29.5	1057	4.0		0.46	1.9	7.7	8.0	7.7	8.0	-02	-02	3.3	25.05	19.44	17.33	
29.5	1057	5.0		0.46	1.9	7.6	8.0	7.6	8.0	-02	-02	3.3	25.05	19.41	17.34	

LOCATION: South San Francisco Bay

DATE: June 14, 1993

JULIAN DAY: 93165

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.5	1057	6.0		0.44	1.7	7.6	7.9	7.9	7.9	3.3	-.02	3.3		25.05	19.31	17.36
29.5	1057	7.0		0.41	1.5	7.6	7.9	7.9	7.9	3.5	-.02	3.5		25.05	19.19	17.39
29.5	1057	8.0		0.39	1.3	7.6	7.9	7.9	7.9	3.7	-.01	3.7		25.05	19.14	17.41
29.5	1057	9.0		0.38	1.1	7.6	7.9	7.9	7.9	3.9	-.01	3.9		25.06	19.12	17.41
29.5	1057	10.0		0.38	1.1	7.6	7.9	7.9	7.9	4.2	-.01	4.2		25.06	19.12	17.41
29.5	1057	11.0		0.37	1.1	7.6	8.0	8.0	8.0	4.3	-.01	4.3		25.06	19.11	17.42
29.5	1057	12.0		0.37	1.1	7.6	8.0	8.0	8.0	4.5	-.01	4.5		25.07	19.11	17.42
29.5	1057	13.0		0.37	1.1	7.6	8.0	8.0	8.0	4.5	-.01	4.5		25.07	19.11	17.42
29.5	1057	14.0		0.36	1.0	7.6	7.9	7.9	7.9	4.4	-.01	4.4		25.07	19.10	17.43
29.5	1057	15.0		0.33	0.7	7.6	7.9	7.9	7.9	4.6	-.00	4.6		25.08	19.10	17.43
29.5	1057	16.0		0.33	0.7	7.6	7.9	7.9	7.9	4.2	-.01	4.2		25.08	19.10	17.43
29.0	1124	1.0		0.45	1.8	7.9	8.1	8.1	8.1	4.3	-.01	4.3	0.7	25.11	19.23	17.43
29.0	1124	2.0		0.47	2.0	7.9	8.1	8.1	8.1	4.5	-.01	4.5		25.11	19.23	17.43
29.0	1124	3.0		0.49	2.2	7.9	8.2	8.2	8.2	4.0	-.01	4.0		25.11	19.24	17.43
29.0	1124	4.0		0.49	2.2	7.9	8.1	8.1	8.1	4.1	-.01	4.1		25.11	19.25	17.42
29.0	1124	5.0		0.49	2.2	7.9	8.1	8.1	8.1	4.0	-.01	4.0		25.11	19.24	17.43
29.0	1124	6.0		0.49	2.1	7.9	8.1	8.1	8.1	4.1	-.01	4.1		25.12	19.23	17.43
29.0	1124	7.0		0.48	2.1	7.9	8.1	8.1	8.1	4.1	-.01	4.1		25.12	19.20	17.44
29.0	1124	8.0		0.48	2.1	7.9	8.1	8.1	8.1	4.0	-.01	4.0		25.12	19.19	17.44
29.0	1124	9.0		0.48	2.1	7.8	8.1	8.1	8.1	3.9	-.01	3.9		25.12	19.20	17.44
29.0	1124	10.0		0.47	2.0	7.8	8.1	8.1	8.1	3.9	-.01	3.9		25.12	19.19	17.44
29.0	1124	11.0		0.46	1.9	7.8	8.1	8.1	8.1	3.9	-.01	3.9		25.12	19.19	17.44
29.0	1124	12.0		0.44	1.7	7.8	8.1	8.1	8.1	3.7	-.01	3.7		25.13	19.14	17.46
29.0	1124	13.0		0.41	1.4	7.8	8.1	8.1	8.1	3.7	-.01	3.7		25.13	19.07	17.48
29.0	1124	14.0		0.39	1.2	7.7	8.0	8.0	8.0	4.0	-.01	4.0		25.13	19.04	17.49
29.0	1124	15.0		0.38	1.1	7.8	8.0	8.0	8.0	4.5	-.01	4.5		25.15	19.01	17.51
29.0	1124	16.0		0.38	1.2	7.8	8.0	8.0	8.0	4.9	0.00	4.9		25.15	19.00	17.51
29.0	1124	16.0		0.38	1.2	7.8	8.1	8.1	8.1	6.1	0.01	6.1		25.15	19.00	17.51

LOCATION: South San Francisco Bay

DATE: June 14, 1993

JULIAN DAY: 93165

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
28.0	1222	1.0			0.43	1.6		7.8	8.1		-0.0	4.8	0.7	25.21	18.93	17.57
28.0	1222	2.0			0.44	1.7		7.9	8.1		-0.0	4.5		25.21	18.93	17.57
28.0	1222	3.0			0.46	1.9		7.8	8.1		-0.0	4.6		25.21	18.93	17.58
28.0	1222	4.0			0.46	1.9		7.8	8.1		-0.1	4.5		25.21	18.93	17.58
28.0	1222	5.0			0.45	1.8		7.8	8.1		-0.1	4.3		25.21	18.89	17.58
28.0	1222	6.0			0.44	1.7		7.8	8.1		-0.1	4.3		25.21	18.88	17.58
28.0	1222	7.0			0.43	1.7		7.8	8.1		-0.1	4.3		25.21	18.87	17.59
28.0	1222	8.0			0.42	1.6		7.8	8.1		-0.1	4.2		25.21	18.84	17.59
28.0	1222	9.0			0.42	1.5		7.8	8.1		-0.1	4.2		25.21	18.82	17.60
28.0	1222	10.0			0.41	1.4		7.7	8.0		-0.1	4.1		25.21	18.80	17.60
28.0	1222	11.0			0.40	1.4		7.8	8.1		0.00	5.0		25.23	18.69	17.65
28.0	1222	12.0			0.40	1.4		7.8	8.1		0.03	7.4		25.24	18.66	17.66
28.0	1222	13.0			0.41	1.4		7.8	8.1		0.04	8.3		25.25	18.65	17.67
28.0	1222	14.0			0.41	1.5		7.8	8.1		0.07	10.7		25.25	18.64	17.67
28.0	1222	15.0			0.42	1.5		7.8	8.1		0.12	14.5		25.25	18.63	17.68
28.0	1222	16.0			0.42	1.5		7.8	8.1		0.38	35.1		25.25	18.66	17.67
27.0	1242	1.0	1.6	0.52	0.39	1.2	7.7	7.8	8.1	5.3	0.01	5.6	0.8	25.25	18.89	17.61
27.0	1242	2.0			0.40	1.4		7.8	8.1		0.01	5.7		25.25	18.89	17.61
27.0	1242	3.0			0.43	1.6		7.8	8.1		0.01	5.8		25.25	18.89	17.61
27.0	1242	4.0			0.43	1.6		7.8	8.1		0.01	5.9		25.25	18.89	17.61
27.0	1242	5.0			0.42	1.6		7.8	8.1		0.01	5.7		25.25	18.87	17.62
27.0	1242	6.0			0.42	1.5		7.8	8.1		0.01	6.1		25.25	18.85	17.62
27.0	1242	7.0			0.41	1.5		7.8	8.1		0.02	6.2		25.25	18.85	17.63
27.0	1242	8.0			0.41	1.4		7.8	8.0		0.01	6.1		25.26	18.81	17.64
27.0	1242	9.0			0.40	1.4		7.8	8.1		0.01	6.1		25.33	18.69	17.72
27.0	1242	10.0			0.41	1.4		7.8	8.1		0.04	8.5		25.35	18.66	17.75
27.0	1242	11.0			0.42	1.5		7.8	8.1		0.06	9.5		25.36	18.66	17.75
27.0	1242	12.0			0.45	1.8		7.9	8.1		0.10	12.9		25.36	18.65	17.76
27.0	1242	13.0	1.0	0.25	0.46	1.9		7.9	8.1	13.0	0.14	16.2		25.36	18.65	17.76

LOCATION: South San Francisco Bay

DATE: June 14, 1993

JULIAN DAY: 93165

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
26.0	1311	1.0			0.54	2.7		7.9	8.1	2.2	-.03	2.2		25.32	18.82	17.69
26.0	1311	2.0			0.56	2.9		8.1	8.3		-.05			25.32	18.82	17.68
26.0	1311	3.0			0.60	3.2		8.3	8.4		-.05			25.32	18.81	17.69
26.0	1311	4.0			0.62	3.5		8.3	8.4		-.05			25.33	18.81	17.69
26.0	1311	5.0			0.63	3.5		8.3	8.5		-.05			25.34	18.79	17.70
26.0	1311	6.0			0.62	3.5		8.3	8.4		-.05			25.33	18.79	17.70
26.0	1311	7.0			0.60	3.2		8.3	8.4		-.05			25.35	18.77	17.72
26.0	1311	8.0			0.56	2.8		8.2	8.4		-.05			25.37	18.73	17.74
26.0	1311	9.0			0.51	2.4		8.2	8.4		-.03			25.39	18.69	17.77
26.0	1311	10.0			0.52	2.5		8.2	8.4		-.02			25.40	18.67	17.78
25.0	1326	1.0			0.57	2.9		8.7	8.8	0.7	-.06			25.13	19.30	17.42
25.0	1326	2.0			0.57	3.0		8.7	8.7		-.06			25.12	19.35	17.40
25.0	1326	3.0			0.61	3.4		8.6	8.7		-.06			25.12	19.35	17.40
25.0	1326	4.0			0.63	3.6		8.5	8.6		-.06			25.13	19.28	17.43
25.0	1326	5.0			0.60	3.3		8.4	8.5		-.05			25.22	19.07	17.55
25.0	1326	6.0			0.56	2.9		8.4	8.5		-.05			25.25	19.01	17.58
25.0	1326	7.0			0.53	2.6		8.4	8.5		-.05			25.25	19.01	17.59
25.0	1326	8.0			0.49	2.2		8.4	8.5		-.04			25.25	19.00	17.59
25.0	1326	9.0			0.49	2.2		8.4	8.6		-.03			25.25	19.00	17.59
24.0	1340	1.0	6.0	0.73	0.73	4.5	9.2	9.2	9.1	1.7	-.05	0.8		24.09	19.48	16.59
24.0	1340	2.0			0.75	4.7		9.2	9.1		-.05	0.7		24.09	19.48	16.59
24.0	1340	3.0			0.80	5.1		9.2	9.1		-.05	0.6		24.10	19.48	16.60
24.0	1340	4.0			0.82	5.3		9.1	9.1		-.05	0.7		24.16	19.47	16.64
24.0	1340	5.0			0.78	4.9		8.9	8.9		-.05	0.6		24.43	19.38	16.88
24.0	1340	6.0			0.67	3.9		8.4	8.6		-.05	0.9		24.75	19.20	17.16
24.0	1340	7.0			0.55	2.7		8.0	8.2		-.05	0.8		25.12	18.59	17.59
24.0	1340	8.0			0.46	1.9		7.8	8.1		-.05	1.3		25.37	18.16	17.88
24.0	1340	9.0			0.40	1.4		7.7	8.0		-.03	2.5		25.80	17.55	18.35
24.0	1340	10.0			0.37	1.1		7.8	8.1		-.03	2.7		25.92	17.37	18.48

LOCATION: South San Francisco Bay
 DATE: June 14, 1993
 JULIAN DAY: 93165
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
24.0	1340	11.0	1.7	0.68	0.38	1.1	8.0	8.2	2.8	-0.02	3.5	25.92	17.37	18.48		
23.0	1358	1.0			0.74	4.6	9.1	9.1		-0.05	0.8	23.24	19.42	15.96		
23.0	1358	2.0			0.76	4.7	9.1	9.1		-0.05	0.6	23.24	19.42	15.96		
23.0	1358	3.0			0.80	5.1	9.2	9.1		-0.05	0.5	23.24	19.42	15.96		
23.0	1358	4.0			0.85	5.6	9.2	9.1		-0.05	0.6	23.42	19.44	16.09		
23.0	1358	5.0			0.85	5.6	8.9	8.9		-0.06	0.5	24.32	19.63	16.73		
23.0	1358	6.0			0.80	5.2	8.7	8.8		-0.06	0.4	24.54	19.27	16.98		
23.0	1358	7.0			0.75	4.6	8.4	8.6		-0.05	0.6	24.72	19.02	17.18		
23.0	1358	8.0			0.66	3.8	8.2	8.4		-0.05	0.6	24.93	18.82	17.39		
23.0	1358	9.0			0.58	3.0	8.1	8.3		-0.05	0.6	25.03	18.60	17.52		
23.0	1358	10.0			0.52	2.5	7.8	8.1		-0.06	0.5	25.10	18.43	17.61		
23.0	1358	11.0			0.46	2.0	7.1	7.6		-0.05	0.5	25.25	18.17	17.78		
23.0	1358	12.0			0.40	1.4	7.3	7.7		-0.04	2.0	26.28	16.83	18.88		
23.0	1358	13.0			0.36	1.0	7.3	7.7		-0.00	4.6	26.55	16.49	19.15		
23.0	1358	14.0			0.35	0.8	7.4	7.7		0.02	6.6	26.62	16.40	19.23		
23.0	1358	15.0			0.34	0.8	7.4	7.8		0.03	7.4	26.69	16.31	19.30		
23.0	1358	16.0			0.35	0.8	7.6	7.9		0.05	8.5	26.73	16.27	19.34		
22.0	1415	1.0			0.49	2.2	8.5	8.6	1.6	-0.05	1.3	22.30	18.53	15.45		
22.0	1415	2.0			0.50	2.3	8.5	8.6		-0.05	1.3	22.26	18.54	15.43		
22.0	1415	3.0			0.53	2.6	8.5	8.6		-0.05	1.3	22.27	18.54	15.43		
22.0	1415	4.0			0.57	3.0	8.5	8.6		-0.05	1.2	22.36	18.53	15.50		
22.0	1415	5.0			0.59	3.2	8.3	8.5		-0.05	1.2	22.60	18.51	15.69		
22.0	1415	6.0			0.58	3.0	8.0	8.2		-0.05	1.3	23.88	18.24	16.72		
22.0	1415	7.0			0.54	2.6	7.6	7.9		-0.05	1.0	24.98	17.88	17.64		
22.0	1415	8.0			0.49	2.2	7.4	7.8		-0.05	0.9	25.24	17.44	17.94		
22.0	1415	9.0			0.43	1.7	7.3	7.7		-0.04	1.7	25.69	16.96	18.40		
22.0	1415	10.0			0.40	1.4	7.1	7.5		-0.04	2.1	26.10	16.61	18.78		
22.0	1415	11.0			0.40	1.3	7.0	7.5		-0.02	3.2	26.67	16.14	19.32		
22.0	1415	12.0			0.41	1.4	7.0	7.5		0.00	4.9	27.25	15.66	19.87		

LOCATION: South San Francisco Bay

DATE: June 14, 1993

JULIAN DAY: 93165

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
22.0	1415	13.0			0.41	1.5		7.1		0.01	5.8		27.52	15.42	20.13
22.0	1415	14.0			0.42	1.5		7.1		0.02	6.8		27.58	15.38	20.18
22.0	1415	15.0			0.42	1.5		7.1		0.04	8.0		27.67	15.29	20.27
22.0	1415	16.0			0.42	1.6		7.1		0.05	8.7		27.77	15.19	20.37
22.0	1415	17.0			0.43	1.6		7.2		0.07	10.6		27.78	15.18	20.38
21.0	1429	1.0	1.9	0.50	0.47	2.0	8.4	7.8	1.2	-.04	1.4		21.83	18.98	14.99
21.0	1429	2.0			0.49	2.2		8.1		-.04	1.4		21.81	19.02	14.97
21.0	1429	3.0			0.53	2.6		8.0		-.05	1.3		22.26	18.59	15.41
21.0	1429	4.0			0.57	3.0		7.9		-.05	1.3		23.05	18.34	16.07
21.0	1429	5.0			0.57	3.0		7.7		-.04	1.4		24.19	18.06	17.00
21.0	1429	6.0			0.55	2.7		7.4		-.05	0.6		24.68	17.83	17.42
21.0	1429	7.0			0.51	2.4		7.3		-.05	0.7		25.06	17.23	17.85
21.0	1429	8.0			0.48	2.1		7.4		-.05	0.9		25.41	16.95	18.18
21.0	1429	9.0			0.46	1.9		7.3		-.05	1.3		25.62	16.85	18.36
21.0	1429	10.0			0.43	1.6		7.2		-.04	1.7		25.89	16.64	18.61
21.0	1429	11.0			0.40	1.4		7.1		-.04	1.8		26.32	16.43	18.99
21.0	1429	12.0			0.39	1.3		7.0		-.03	2.2		26.60	16.15	19.27
21.0	1429	13.0			0.40	1.3		6.9		-.03	2.9		26.76	15.92	19.44
21.0	1429	14.0			0.40	1.3		7.1		-.02	3.1		27.17	15.46	19.85
21.0	1429	15.0			0.40	1.4		7.1		-.02	3.3		27.26	15.42	19.93
21.0	1429	16.0			0.41	1.4		7.1		-.01	3.7		27.39	15.38	20.03
21.0	1429	17.0			0.42	1.6		7.0		-.01	4.5		27.44	15.35	20.08
21.0	1429	18.0	1.9	0.44	0.43	1.6		7.0	5.9	0.01	6.1		27.62	15.23	20.24

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	11	0.776	9.446	-2.437	0.849
OBS Calibration:	17	0.970	80.078	4.941	1.514
Dissolved Oxygen Calibration:	11	0.622	0.753	2.209	0.304

Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples. IJSTM 18 printed in North Bay summary.

LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
657.0	1712	1.0	1.8	0.50	0.38	1.9				19.2	0.25	20.6	1.7	0.07	19.75	0.00
657.0	1712	2.0			0.38	1.9					0.22	19.2		0.07	19.69	0.00
657.0	1712	3.0			0.36	1.7					0.23	19.8		0.07	19.32	0.00
657.0	1712	4.0			0.35	1.7					0.26	21.9		0.07	19.17	0.00
657.0	1712	5.0			0.35	1.6					0.28	22.8		0.07	19.14	0.00
657.0	1712	6.0			0.35	1.6					0.29	23.4		0.07	19.13	0.00
657.0	1712	7.0			0.36	1.7					0.29	23.4		0.07	19.14	0.00
657.0	1712	8.0			0.36	1.8					0.29	23.8		0.07	19.13	0.00
657.0	1712	9.0			0.36	1.7					0.30	24.3		0.07	19.11	0.00
657.0	1712	10.0			0.36	1.7					0.31	24.6		0.07	19.11	0.00
657.0	1712	11.0	1.3	0.37	0.36	1.7				30.1	0.33	26.1		0.07	19.10	0.00
653.0	1636	1.0			0.39	2.0				20.1	0.28	22.6	1.5	0.07	19.64	0.00
653.0	1636	2.0			0.39	2.0					0.28	23.0		0.07	19.56	0.00
653.0	1636	3.0			0.38	1.9					0.29	23.5		0.07	19.28	0.00
653.0	1636	4.0			0.39	2.0					0.31	24.8		0.08	19.24	0.00
653.0	1636	5.0			0.40	2.1					0.31	24.9		0.08	19.21	0.00
653.0	1636	6.0			0.39	2.1					0.31	25.0		0.08	19.21	0.00
653.0	1636	7.0			0.39	2.1					0.31	25.2		0.08	19.20	0.00
653.0	1636	8.0			0.39	2.0					0.31	24.7		0.08	19.20	0.00
653.0	1636	9.0			0.38	1.9					0.32	25.3		0.08	19.20	0.00
653.0	1636	10.0			0.38	2.0					0.31	24.7		0.08	19.19	0.00
649.0	1607	1.0			0.85	6.6					0.30	24.2	2.0	0.07	19.73	0.00
649.0	1607	2.0			0.87	6.8					0.30	24.0		0.07	19.67	0.00
649.0	1607	3.0			0.90	7.1					0.32	25.4		0.07	19.54	0.00
649.0	1607	4.0			0.89	7.0					0.34	26.9		0.07	19.43	0.00
649.0	1607	5.0			0.78	5.9					0.34	27.3		0.07	19.34	0.00
649.0	1607	6.0			0.65	4.6					0.35	27.4		0.07	19.23	0.00
649.0	1607	7.0			0.58	3.9					0.34	27.3		0.07	19.20	0.00
649.0	1607	8.0			0.53	3.4					0.37	28.7		0.07	19.10	0.00

LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
649.0	1607	9.0			0.50	3.2				0.38	29.7		0.07	19.09	0.00
649.0	1607	10.0			0.48	3.0				0.38	29.5		0.07	19.09	0.00
649.0	1607	11.0			0.45	2.6				0.43	32.9		0.07	19.06	0.00
649.0	1607	12.0			0.46	2.7				0.44	33.4		0.07	19.07	0.00
2.0	1549	1.0			0.78	5.9			29.0	0.32	25.8	2.2	0.07	19.37	0.00
2.0	1549	2.0			0.81	6.2				0.32	25.5		0.07	19.37	0.00
2.0	1549	3.0			0.82	6.3				0.32	25.7		0.07	19.34	0.00
2.0	1549	4.0			0.79	6.0				0.32	25.9		0.07	19.29	0.00
2.0	1549	5.0			0.81	6.2				0.32	25.8		0.07	19.24	0.00
2.0	1549	6.0			0.81	6.2				0.33	26.1		0.07	19.23	0.00
2.0	1549	7.0			0.76	5.7				0.33	26.5		0.07	19.21	0.00
2.0	1549	8.0			0.76	5.8				0.34	26.7		0.07	19.20	0.00
2.0	1549	9.0			0.82	6.3				0.35	27.8		0.07	19.19	0.00
2.0	1549	10.0			0.75	5.7				0.37	28.9		0.07	19.19	0.00
2.0	1549	11.0			0.72	5.3				0.38	29.7		0.07	19.18	0.00
3.0	1532	1.0	7.3	0.41	0.94	7.5			41.6	0.47	35.9	2.7	0.08	19.50	0.00
3.0	1532	2.0			0.96	7.7				0.47	35.5		0.08	19.50	0.00
3.0	1532	3.0			1.00	8.1				0.47	35.8		0.08	19.50	0.00
3.0	1532	4.0			0.98	7.9				0.46	34.8		0.08	19.51	0.00
3.0	1532	5.0			0.97	7.8				0.46	35.1		0.08	19.45	0.00
3.0	1532	6.0			0.97	7.8				0.46	34.8		0.08	19.25	0.00
3.0	1532	7.0			0.94	7.5				0.45	34.1		0.08	19.19	0.00
3.0	1532	8.0			1.00	8.1				0.43	32.7		0.08	19.16	0.00
3.0	1532	9.0			1.08	8.9				0.39	30.3		0.08	19.13	0.00
3.0	1532	10.0			1.02	8.3				0.39	30.3		0.08	19.11	0.00
3.0	1532	11.0			0.99	8.0				0.39	30.2		0.08	19.10	0.00
3.0	1532	12.0			1.09	9.0				0.40	30.9		0.08	19.10	0.00
3.0	1532	13.0	9.0	0.40	1.09	9.0			37.9	0.43	33.2		0.08	19.10	0.00

LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	CHL a	OXYG	CALC	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
5.0	1338	1.0				0.79	6.1					33.8	0.40	31.0	2.5	0.08	19.96	0.00
5.0	1338	2.0				0.83	6.4						0.38	29.5		0.08	20.05	0.00
5.0	1338	3.0				0.93	7.4						0.38	29.7		0.08	19.83	0.00
5.0	1338	4.0				1.14	9.5						0.38	29.5		0.09	19.45	0.00
5.0	1338	5.0				1.24	10.5						0.39	30.1		0.10	19.24	0.00
5.0	1338	6.0				1.14	9.5						0.42	32.1		0.10	19.15	0.00
5.0	1338	7.0				1.03	8.4						0.46	34.9		0.10	19.15	0.00
5.0	1338	8.0				1.08	8.9						0.48	36.1		0.10	19.16	0.00
5.0	1338	9.0				1.18	9.9						0.50	37.4		0.10	19.15	0.00
5.0	1338	10.0				1.16	9.7						0.51	38.1		0.10	19.15	0.00
5.0	1338	11.0				1.07	8.8						0.52	39.1		0.10	19.14	0.00
5.0	1338	12.0				1.28	10.9						0.52	38.9		0.10	19.13	0.00
5.0	1338	13.0				1.37	11.8						0.54	40.3		0.10	19.13	0.00
6.0	1221	1.0		11.1	0.66	0.91	7.2					40.1	0.51	38.3	2.9	0.33	19.53	0.00
6.0	1221	2.0				0.87	6.8						0.49	37.0		0.33	19.53	0.00
6.0	1221	3.0				0.95	7.6						0.50	37.3		0.34	19.53	0.00
6.0	1221	4.0				0.98	7.9						0.48	36.4		0.38	19.53	0.00
6.0	1221	5.0				0.94	7.5						0.48	36.4		0.42	19.42	0.00
6.0	1221	6.0				1.01	8.2						0.51	38.1		0.48	19.36	0.00
6.0	1221	7.0				1.08	8.9						0.56	41.5		0.53	19.33	0.00
6.0	1221	8.0				1.11	9.2						0.61	44.7		0.59	19.28	0.00
6.0	1221	9.0				1.13	9.4						0.67	48.7		0.64	19.27	0.00
6.0	1221	10.0				1.14	9.5						0.71	51.8		0.66	19.26	0.00
6.0	1221	11.0				1.11	9.2						0.77	55.7		0.68	19.25	0.00
6.0	1221	12.0		5.8	0.58	1.08	8.9					63.3	0.83	59.4		0.68	19.25	0.00
7.0	1159	1.0				0.62	4.4			8.6	8.6	44.5	0.62	45.3	3.1	2.09	20.01	0.00
7.0	1159	2.0				0.64	4.5			8.4	8.5		0.60	44.0		2.33	19.69	0.05
7.0	1159	3.0				0.60	4.2			8.3	8.4		0.59	43.8		3.75	19.29	1.21
7.0	1159	4.0				0.60	4.1			8.3	8.4		0.71	51.7		4.21	19.25	1.56

LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT	
7.0	1159	5.0			0.61	4.3	8.3	8.4		8.3	8.4	8.4		0.72	52.4		0.72	52.4		4.31	19.24	1.64	
7.0	1159	6.0			0.57	3.8	8.2	8.4		8.2	8.4	8.4		0.79	57.1		0.79	57.1		4.79	19.18	2.02	
7.0	1159	7.0			0.57	3.8	8.2	8.4		8.2	8.4	8.4		1.09	76.9		1.09	76.9		5.15	19.14	2.30	
7.0	1159	8.0			0.61	4.2	8.2	8.4		8.2	8.4	8.4		1.42	98.7		1.42	98.7		5.19	19.13	2.34	
7.0	1159	9.0			0.64	4.5	8.2	8.4		8.2	8.4	8.4		1.50	104.6		1.50	104.6		5.21	19.13	2.35	
7.0	1159	10.0			0.64	4.5	8.3	8.4		8.3	8.4	8.4		1.57	109.2		1.57	109.2		5.23	19.13	2.36	
7.0	1159	11.0			0.65	4.6	8.2	8.4		8.2	8.4	8.4		1.69	116.7		1.69	116.7		5.35	19.12	2.46	
7.0	1159	12.0			0.77	5.8	8.2	8.4		8.2	8.4	8.4		1.97	135.9		1.97	135.9		5.57	19.09	2.63	
7.0	1159	13.0			0.96	7.7	8.2	8.4		8.2	8.4	8.4		2.62	179.1		2.62	179.1		5.68	19.09	2.71	
7.0	1159	14.0			0.97	7.8	8.2	8.4		8.2	8.4	8.4		2.78	189.6		2.78	189.6		5.67	19.09	2.71	
8.0	1043	1.0			0.43	2.4	8.3	8.5		8.3	8.5	8.5		0.44	33.9		0.44	33.9	2.4	4.48	19.27	1.77	
8.0	1043	2.0			0.44	2.6	8.3	8.4		8.3	8.4	8.4		0.43	32.9		0.43	32.9		5.09	19.12	2.26	
8.0	1043	3.0			0.42	2.3	8.2	8.4		8.2	8.4	8.4		0.40	31.0		0.40	31.0		5.28	19.10	2.41	
8.0	1043	4.0			0.43	2.4	8.1	8.3		8.1	8.3	8.3		0.39	30.5		0.39	30.5		6.48	18.97	3.35	
8.0	1043	5.0			0.46	2.7	8.1	8.3		8.1	8.3	8.3		0.49	36.7		0.49	36.7		7.29	18.89	3.98	
8.0	1043	6.0			0.47	2.8	8.1	8.3		8.1	8.3	8.3		0.57	42.4		0.57	42.4		7.30	18.88	3.99	
8.0	1043	7.0			0.48	3.0	8.1	8.3		8.1	8.3	8.3		0.58	43.2		0.58	43.2		7.34	18.88	4.02	
8.0	1043	8.0			0.50	3.1	8.1	8.3		8.1	8.3	8.3		0.64	46.9		0.64	46.9		7.86	18.83	4.42	
8.0	1043	9.0			0.53	3.4	8.0	8.2		8.0	8.2	8.2		1.25	87.9		1.25	87.9		8.90	18.75	5.23	
8.0	1043	10.0			0.54	3.6	8.0	8.2		8.0	8.2	8.2		1.83	126.2		1.83	126.2		9.35	18.72	5.58	
8.0	1043	11.0			0.55	3.6	8.0	8.2		8.0	8.2	8.2		2.05	140.8		2.05	140.8		9.65	18.70	5.80	
8.0	1043	12.0			0.59	4.0	8.0	8.2		8.0	8.2	8.2		2.46	168.1		2.46	168.1		9.82	18.69	5.94	
8.0	1043	13.0			0.63	4.4	8.0	8.2		8.0	8.2	8.2		3.06	208.2		3.06	208.2		9.86	18.69	5.97	
8.0	1043	14.0			0.68	4.9	7.9	8.2		7.9	8.2	8.2		3.52	239.0		3.52	239.0		9.89	18.69	5.99	
8.0	1043	15.0			0.94	7.5	7.9	8.2		7.9	8.2	8.2		5.56	375.1		5.56	375.1		10.04	18.67	6.11	
8.0	1043	16.0			1.01	8.2	8.0	8.2		8.0	8.2	8.2								10.07	18.67	6.13	
9.0	1025	1.0	3.3	0.54	0.45	2.7	7.9	8.2	8.5	7.9	8.2	8.2	30.0	0.41	31.4	2.5	0.41	31.4		4.07	19.42	1.43	
9.0	1025	2.0			0.45	2.7	8.0	8.2		8.0	8.2	8.2		0.41	31.5		0.41	31.5		4.23	19.31	1.57	
9.0	1025	3.0			0.44	2.5	7.9	8.2		7.9	8.2	8.2		0.40	30.9		0.40	30.9		4.54	19.20	1.83	

LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
9.0	1025	4.0			0.41	2.2	7.9	8.1	8.1		0.40	31.2		4.93	19.12	2.14
9.0	1025	5.0			0.40	2.2	7.9	8.1	8.1		0.40	31.2		5.28	19.07	2.42
9.0	1025	6.0			0.41	2.2	7.8	8.1	8.1		0.40	30.8		5.88	19.02	2.88
9.0	1025	7.0			0.40	2.2	7.8	8.1	8.1		0.40	30.8		6.59	18.95	3.43
9.0	1025	8.0			0.42	2.3	7.7	8.0	8.0		0.39	30.5		7.89	18.83	4.45
9.0	1025	9.0			0.44	2.5	7.7	8.0	8.0		0.42	32.3		8.19	18.81	4.68
9.0	1025	10.0			0.44	2.5	7.7	8.0	8.0		0.46	35.2		8.40	18.80	4.84
9.0	1025	11.0			0.44	2.5	7.7	8.0	8.0		0.53	39.5		8.71	18.77	5.08
9.0	1025	12.0			0.44	2.6	7.7	8.0	8.0		0.64	47.2		8.92	18.76	5.24
9.0	1025	13.0			0.46	2.7	7.7	8.0	8.0		0.71	51.6		9.13	18.75	5.41
9.0	1025	14.0			0.47	2.8	7.7	8.0	8.0		0.86	61.7		9.49	18.73	5.69
9.0	1025	15.0			0.49	3.0	7.7	8.0	8.0		1.06	74.9		10.14	18.69	6.18
9.0	1025	16.0			0.53	3.5	7.6	8.0	8.0		1.72	119.1		10.67	18.65	6.60
9.0	1025	17.0			0.56	3.7	7.6	8.0	8.0		2.19	150.3		10.87	18.64	6.75
9.0	1025	18.0			0.58	3.9	7.7	8.0	8.0		2.54	173.5		10.92	18.64	6.79
9.0	1025	19.0			0.59	4.0	7.7	8.0	8.0		2.84	193.8		11.02	18.64	6.86
9.0	1025	20.0			0.60	4.1	7.7	8.0	8.0		3.24	220.7		11.11	18.63	6.93
9.0	1025	21.0			0.61	4.2	7.7	8.0	8.0		3.60	244.4		11.13	18.63	6.95
9.0	1025	22.0			0.62	4.3	7.7	8.0	8.0		3.75	254.5		11.13	18.63	6.94
9.0	1025	23.0			0.64	4.5	7.7	8.0	8.0		3.77	255.5		11.18	18.63	6.99
9.0	1025	24.0			0.66	4.8	7.7	8.0	8.0		3.90	264.4		11.27	18.63	7.05
9.0	1025	25.0			0.70	5.1	7.7	8.0	8.0		4.13	279.9		11.45	18.63	7.20
9.0	1025	26.0			0.71	5.2	7.7	8.0	8.0		4.48	302.8		11.47	18.63	7.20
9.0	1025	27.0	6.7	0.22	0.69	5.0	7.7	8.0	8.0	357.0	5.32	358.8		11.47	18.63	7.20
10.0	1011	1.0			0.38	1.9	8.4	8.6	8.6	28.8	0.38	29.5	2.4	4.82	19.32	2.01
10.0	1011	2.0			0.37	1.8	8.4	8.5	8.5		0.36	28.5		4.95	19.18	2.14
10.0	1011	3.0			0.36	1.8	8.3	8.5	8.5		0.37	29.0		5.33	19.07	2.45
10.0	1011	4.0			0.35	1.7	8.3	8.5	8.5		0.36	28.5		5.59	19.02	2.66
10.0	1011	5.0			0.35	1.7	8.3	8.5	8.5		0.36	28.4		5.89	18.99	2.90
10.0	1011	6.0			0.38	1.9	8.2	8.4	8.4		0.37	28.6		6.08	18.97	3.05

LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a												
10.0	1011	7.0			0.41	2.2	8.1	8.3	0.37	29.0				7.76	18.85	4.34
10.0	1011	8.0			0.41	2.3	8.1	8.3	0.41	31.7				8.38	18.79	4.83
10.0	1011	9.0			0.41	2.3	8.1	8.3	0.44	33.9				8.65	18.76	5.04
10.0	1011	10.0			0.41	2.2	8.0	8.3	0.45	34.2				9.07	18.74	5.36
10.0	1011	11.0			0.40	2.1	8.0	8.2	0.44	33.7				9.77	18.69	5.90
10.0	1011	12.0			0.40	2.2	8.0	8.2	0.44	33.8				10.11	18.67	6.16
10.0	1011	13.0			0.42	2.3	8.0	8.2	0.47	35.3				10.49	18.65	6.45
10.0	1011	14.0			0.45	2.6	7.9	8.2	0.54	39.9				10.99	18.64	6.84
10.0	1011	15.0			0.51	3.2	7.9	8.2	0.67	48.8				11.43	18.63	7.17
10.0	1011	16.0			0.56	3.8	7.9	8.1	1.05	74.0				12.02	18.61	7.62
10.0	1011	17.0			0.61	4.2	7.8	8.1	2.40	164.5				12.29	18.61	7.83
10.0	1011	18.0			0.61	4.2	7.8	8.1	3.66	248.2				12.37	18.61	7.89
11.0	0948	1.0			0.38	1.9	8.0	8.2	0.26	21.3			1.9	9.28	18.94	5.48
11.0	0948	2.0			0.37	1.8	7.9	8.2	0.26	21.8				9.71	18.70	5.86
11.0	0948	3.0			0.36	1.7	7.9	8.2	0.27	22.0				10.28	18.65	6.30
11.0	0948	4.0			0.36	1.8	7.9	8.2	0.29	23.4				11.24	18.70	7.02
11.0	0948	5.0			0.38	1.9	7.8	8.1	0.30	24.2				12.00	18.77	7.57
11.0	0948	6.0			0.39	2.1	7.8	8.1	0.34	26.7				12.28	18.78	7.78
11.0	0948	7.0			0.40	2.1	7.7	8.0	0.39	30.4				12.52	18.69	7.99
11.0	0948	8.0			0.40	2.1	7.8	8.1	0.43	32.8				12.73	18.63	8.16
11.0	0948	9.0			0.42	2.3	7.9	8.1	0.43	32.8				13.03	18.63	8.39
11.0	0948	10.0			0.44	2.5	7.9	8.1	0.43	33.1				13.32	18.70	8.60
11.0	0948	11.0			0.45	2.6	7.9	8.1	0.47	35.7				13.50	18.68	8.73
11.0	0948	12.0			0.46	2.8	7.7	8.0	0.69	50.3				13.63	18.65	8.84
11.0	0948	13.0			0.47	2.8	7.6	7.9	0.85	61.1				14.40	18.49	9.46
11.0	0948	14.0			0.49	3.0	7.6	7.9	1.02	72.1				15.08	18.33	10.01
11.0	0948	15.0			0.53	3.4	7.5	7.9	1.17	82.1				15.71	18.21	10.51
11.0	0948	16.0			0.56	3.7	7.5	7.9	1.45	100.8				15.75	18.20	10.55
11.0	0948	17.0			0.59	4.0	7.5	7.9	2.08	142.7				15.82	18.18	10.60
11.0	0948	18.0			0.61	4.2	7.5	7.9	3.02	205.6				15.89	18.17	10.66

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LOCATION: North San Francisco Bay
 DATE: June 15, 1993
 JULIAN DAY: 93166
 SeaBird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC		DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			CHL a	OXYG												
11.0	0948	19.0			0.64	4.5	7.5	7.8						3.29	223.8		16.17	18.12	10.88	
11.0	0948	20.0			0.67	4.8	7.5	7.8						3.81	258.3		16.61	18.03	11.24	
11.0	0948	21.0			0.71	5.2	7.5	7.8						4.72	319.2		16.70	18.01	11.31	
11.0	0948	22.0			0.74	5.5	7.5	7.8						5.74	386.9		16.70	18.01	11.31	
11.0	0948	23.0			0.74	5.5	7.5	7.8						6.68	450.1		16.69	18.01	11.30	
12.0	0928	1.0			0.42	2.3	7.6	8.0	26.0				0.34	27.1		11.80	19.08	7.36		
12.0	0928	2.0			0.41	2.2	7.7	8.0					0.38	29.5		12.23	18.73	7.76		
12.0	0928	3.0			0.40	2.1	7.4	7.8					0.39	30.4		12.96	18.89	8.28		
12.0	0928	4.0			0.39	2.1	7.4	7.8					0.41	31.5		14.01	18.56	9.15		
12.0	0928	5.0			0.39	2.0	7.4	7.8					0.40	30.9		14.74	18.41	9.74		
12.0	0928	6.0			0.40	2.1	7.3	7.7					0.38	29.7		15.43	18.31	10.28		
12.0	0928	7.0			0.42	2.3	7.3	7.7					0.38	29.5		15.91	18.23	10.66		
12.0	0928	8.0			0.45	2.7	7.3	7.7					0.44	33.4		16.70	18.07	11.30		
12.0	0928	9.0			0.52	3.3	7.3	7.7					0.77	55.9		16.85	18.02	11.42		
12.0	0928	10.0			0.52	3.3	7.3	7.7					1.16	81.7		16.92	18.00	11.48		
13.0	0804	1.0	6.5	0.67	0.64	4.5	7.5	7.9	20.6				0.24	20.2		14.82	18.60	9.76		
13.0	0804	2.0			0.62	4.4	7.5	7.8					0.24	20.3		15.05	18.53	9.95		
13.0	0804	3.0			0.59	4.0	7.4	7.8					0.27	22.4		15.29	18.47	10.14		
13.0	0804	4.0			0.54	3.5	7.2	7.6					0.30	24.1		15.64	18.35	10.43		
13.0	0804	5.0			0.48	2.9	7.0	7.5					0.35	27.5		17.63	17.84	12.05		
13.0	0804	6.0			0.44	2.6	6.9	7.4					0.38	29.9		19.07	17.60	13.20		
13.0	0804	7.0			0.43	2.5	6.7	7.2					0.34	26.7		20.72	17.31	14.52		
13.0	0804	8.0			0.43	2.4	6.7	7.3					0.86	61.4		22.08	16.88	15.65		
13.0	0804	9.0			0.47	2.8	6.8	7.3					1.33	92.8		22.28	16.83	15.81		
13.0	0804	10.0	1.8	0.21	0.48	2.9	6.8	7.4	114.0				1.50	104.0		22.25	16.84	15.79		
14.0	0750	1.0			0.53	3.4	7.9	8.2	22.3				0.24	20.1		15.45	18.34	10.29		
14.0	0750	2.0			0.52	3.3	7.7	8.0					0.26	21.6		17.15	18.05	11.64		
14.0	0750	3.0			0.51	3.2	7.6	7.9					0.31	25.1		17.69	17.88	12.09		

LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	OBS SPM	DISCR SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
14.0	0750	4.0			0.49	3.1	7.5	7.9	0.33		26.3		18.66	17.67	12.88
14.0	0750	5.0			0.48	3.0	7.5	7.9	0.34		26.9		19.21	17.57	13.31
14.0	0750	6.0			0.47	2.8	7.4	7.8	0.34		26.8		19.75	17.45	13.75
14.0	0750	7.0			0.46	2.7	7.3	7.7	0.33		26.1		20.53	17.25	14.39
14.0	0750	8.0			0.46	2.7	7.3	7.7	0.32		25.9		21.69	16.94	15.34
14.0	0750	9.0			0.46	2.7	7.2	7.6	0.33		26.1		22.23	16.75	15.80
14.0	0750	10.0			0.47	2.8	7.1	7.6	0.36		28.1		22.91	16.50	16.37
14.0	0750	11.0			0.48	2.9	7.2	7.6	0.45		34.1		23.69	16.25	17.02
14.0	0750	12.0			0.48	2.9	7.2	7.7	0.63		46.4		23.67	16.25	17.00
14.0	0750	13.0			0.48	2.9	7.2	7.7	0.81		57.9		23.69	16.25	17.02
14.0	0750	14.0			0.49	3.0	7.3	7.7	1.01		71.4		23.70	16.25	17.03
15.0	0726	1.0			0.44	2.5	7.9	8.2	0.13		12.8	1.4	16.19	18.73	10.77
15.0	0726	2.0			0.43	2.4	7.9	8.1	0.13		12.9		16.39	18.67	10.93
15.0	0726	3.0			0.43	2.4	7.8	8.0	0.14		13.4		16.58	18.60	11.09
15.0	0726	4.0			0.45	2.6	7.7	8.0	0.14		13.5		17.24	18.34	11.65
15.0	0726	5.0			0.47	2.8	7.4	7.8	0.14		13.6		18.32	18.07	12.53
15.0	0726	6.0			0.48	2.9	7.2	7.6	0.14		13.6		19.50	17.76	13.49
15.0	0726	7.0			0.47	2.8	7.3	7.7	0.13		12.9		21.28	17.07	15.01
15.0	0726	8.0			0.48	2.9	7.3	7.7	0.13		12.8		21.38	17.03	15.09
15.0	0726	9.0			0.49	3.0	7.2	7.6	0.13		12.6		21.70	16.91	15.36
15.0	0726	10.0			0.49	3.0	7.1	7.5	0.13		12.9		22.42	16.67	15.96
15.0	0726	11.0			0.49	3.1	7.1	7.5	0.14		13.3		23.44	16.31	16.82
15.0	0726	12.0			0.49	3.1	7.1	7.6	0.13		13.2		23.89	16.15	17.19
15.0	0726	13.0			0.50	3.1	7.0	7.5	0.13		12.9		24.02	16.10	17.30
15.0	0726	14.0			0.49	3.0	7.0	7.4	0.12		12.2		24.54	15.86	17.75
15.0	0726	15.0			0.50	3.1	6.9	7.4	0.12		11.9		25.07	15.58	18.21
15.0	0726	16.0			0.53	3.4	6.7	7.3	0.16		14.8		25.60	15.32	18.67
15.0	0726	17.0			0.56	3.7	6.7	7.2	0.28		23.0		26.22	15.02	19.22
15.0	0726	18.0			0.59	4.0	6.6	7.2	0.39		30.3		26.75	14.75	19.67
15.0	0726	19.0			0.63	4.4	6.6	7.2	0.50		37.3		27.30	14.48	20.15

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LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

SeaBird v4.026

STN	TIME	DEPTH	DISCR		CHL a	FLUOR	CALC	DISCR		OXYG	CALC	OXYG	DISCR	OBS	CALC		EXCOF	SALIN	TEMP	SIGT
			CHL a	a+PMA				CHL a	OXYG						SPM	SPM				
15.0	0726	20.0			0.67	4.8	6.6	7.2	0.68	49.9	27.65	14.31	20.46							
15.0	0726	21.0			0.73	5.4	6.6	7.2	0.96	68.5	27.87	14.20	20.65							
15.0	0726	22.0			0.76	5.7	6.7	7.2	1.25	87.4	27.95	14.16	20.72							
15.0	0726	23.0			0.80	6.1	6.7	7.2	1.38	96.4	27.97	14.15	20.73							
15.0	0726	24.0			0.80	6.1	6.7	7.3	1.54	107.2	27.98	14.15	20.74							
16.0	0658	1.0	2.1	0.70	0.41	2.2	7.6	7.9	0.12	12.2	18.09	18.05	12.36			1.3				
16.0	0658	2.0			0.40	2.2	7.4	7.8	0.10	11.1	18.89	17.72	13.04							
16.0	0658	3.0			0.40	2.1	7.4	7.8	0.09	10.5	20.04	17.34	14.00							
16.0	0658	4.0			0.40	2.1	7.4	7.8	0.09	10.4	20.60	17.15	14.47							
16.0	0658	5.0			0.41	2.2	7.3	7.7	0.10	11.0	20.96	17.02	14.77							
16.0	0658	6.0			0.43	2.5	7.0	7.5	0.10	10.7	21.67	16.75	15.36							
16.0	0658	7.0			0.46	2.7	6.8	7.3	0.10	10.9	23.20	16.14	16.67							
16.0	0658	8.0			0.48	3.0	6.7	7.3	0.09	9.9	25.14	15.10	18.37							
16.0	0658	9.0			0.52	3.3	6.5	7.1	0.08	9.4	26.50	14.78	19.48							
16.0	0658	10.0			0.58	3.9	6.4	7.0	0.22	18.6	27.74	13.97	20.59							
16.0	0658	11.0			0.63	4.5	6.4	7.0	0.43	32.9	28.85	13.64	21.51							
16.0	0658	12.0			0.67	4.8	6.4	7.1	0.46	35.2	28.88	13.65	21.53							
16.0	0658	13.0	2.6	0.46	0.66	4.8	6.5	7.1	0.54	40.5	28.89	13.65	21.54							
4.1	1358	1.0			1.01	8.2			0.42	32.5	0.09	19.53	0.00			2.6				
4.1	1358	2.0			1.03	8.4			0.43	32.9	0.09	19.41	0.00							
4.1	1358	3.0			1.09	9.0			0.45	34.3	0.10	19.32	0.00							
4.1	1358	4.0			1.16	9.7			0.47	35.5	0.10	19.30	0.00							
4.1	1358	5.0			1.26	10.7			0.49	36.9	0.11	19.28	0.00							
4.1	1358	6.0			1.26	10.7			0.49	37.2	0.11	19.27	0.00							
4.1	1358	7.0			1.21	10.2			0.51	38.5	0.11	19.24	0.00							
4.1	1358	8.0			1.23	10.4			0.53	39.9	0.11	19.23	0.00							
4.1	1358	9.0			1.22	10.3			0.54	40.2	0.11	19.21	0.00							
4.1	1358	10.0			1.19	10.0			0.55	41.1	0.11	19.21	0.00							
4.1	1358	11.0			1.25	10.6			0.57	42.0	0.11	19.20	0.00							

LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPH	OBS	CALC SPH	EXCOF	SALIN	TEMP	SIGT
4.1	1358	12.0			1.27	10.8		8.7	8.7		0.61	44.6		0.11	19.19	0.00
8.1	1104	1.0			0.47	2.8		8.7	8.8		0.54	40.5	2.6	3.24	19.73	0.73
8.1	1104	2.0			0.48	2.9		8.6	8.7		0.52	39.1		3.30	19.65	0.79
8.1	1104	3.0			0.49	3.0		8.6	8.7		0.51	38.4		3.50	19.52	0.97
8.1	1104	4.0			0.52	3.3		8.4	8.6		0.49	37.1		3.81	19.47	1.22
8.1	1104	5.0			0.51	3.2		8.4	8.5		0.47	35.3		4.44	19.21	1.75
8.1	1104	6.0			0.47	2.8		8.3	8.5		0.49	36.6		4.87	19.11	2.09
8.1	1104	7.0			0.44	2.6		8.3	8.5		0.47	35.5		5.15	19.09	2.31
8.1	1104	8.0			0.44	2.5		8.3	8.5		0.46	34.8		5.51	19.04	2.59
8.1	1104	9.0			0.42	2.3		8.3	8.5		0.46	35.1		5.67	19.03	2.72
8.1	1104	10.0			0.43	2.4		8.3	8.4		0.46	34.6		5.77	19.01	2.80
8.1	1104	11.0			0.48	2.9		8.2	8.4		0.48	36.5		6.51	18.91	3.39
8.1	1104	12.0			0.52	3.3		8.2	8.3		0.57	42.0		7.24	18.86	3.95
8.1	1104	13.0			0.59	4.0		8.1	8.3		1.54	106.8		8.42	18.76	4.86
8.1	1104	14.0			0.65	4.6		8.0	8.3		2.57	175.6		8.86	18.74	5.20
8.1	1104	15.0			0.66	4.7		8.0	8.3		2.89	196.8		9.03	18.74	5.33
8.1	1104	16.0			0.66	4.7		8.0	8.3		2.99	203.8		9.13	18.74	5.41
12.5	0829	1.0			0.65	4.7		8.2	8.4		0.40	30.9	2.4	14.17	18.51	9.28
12.5	0829	2.0			0.65	4.6		8.2	8.4		0.35	27.9		14.38	18.52	9.44
12.5	0829	3.0			0.63	4.4		8.1	8.3		0.34	26.6		14.47	18.54	9.50
12.5	0829	4.0			0.55	3.6		7.8	8.1		0.32	25.6		14.91	18.49	9.85
12.5	0829	5.0			0.47	2.8		7.5	7.9		0.31	24.9		16.21	18.17	10.90
12.5	0829	6.0			0.41	2.2		7.5	7.9		0.31	24.9		18.52	17.78	12.75
12.5	0829	7.0			0.42	2.3		7.6	7.9		0.35	27.5		19.33	17.69	13.38
12.5A	0834	1.0			0.96	7.7		8.4	8.5		0.35	27.7	2.4	14.31	18.57	9.37
12.5A	0834	2.0			1.03	8.4		8.5	8.6		0.32	25.7		14.44	18.69	9.45
12.5A	0834	3.0			1.10	9.1		8.3	8.5		0.30	24.2		14.45	18.70	9.45
12.5A	0834	4.0			0.87	6.9		7.8	8.1		0.28	22.6		14.90	18.53	9.83

LOCATION: North San Francisco Bay
 DATE: June 15, 1993
 JULIAN DAY: 93166
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	OXYG	CALC	OXYG	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			CHL a	OXYG	OXYG		SPM	SPM	SPM		SPM				
12.5A	0834	5.0			0.57	3.8		7.6	7.9		22.7	0.28		16.94			18.04	11.49	
12.5A	0834	6.0			0.45	2.6		7.6	7.9		23.9	0.29		18.49			17.75	12.73	
12.5A	0834	7.0			0.46	2.7		7.6	7.9		25.9	0.32		19.16			17.68	13.25	
12.5B	0835	1.0			1.26	10.7		8.6	8.7		20.4	0.24		14.59	2.2		18.74	9.55	
12.5B	0835	2.0			1.20	10.1		8.6	8.7		20.2	0.24		14.58			18.73	9.55	
12.5B	0835	3.0			1.19	10.0		8.5	8.6		20.2	0.24		14.60			18.73	9.56	
12.5B	0835	4.0			1.06	8.7		8.0	8.3		20.2	0.24		14.62			18.67	9.59	
12.5B	0835	5.0			0.76	5.7		7.7	8.0		20.7	0.25		16.68			18.10	11.28	
12.5B	0835	6.0			0.52	3.3		7.6	8.0		23.9	0.29		18.63			17.73	12.84	
12.5B	0835	7.0			0.55	3.6		7.7	8.0		27.7	0.35		19.19			17.68	13.28	
12.5C	0837	1.0			0.96	7.7		8.5	8.6		21.4	0.26		14.64	2.2		18.69	9.60	
12.5C	0837	2.0			0.91	7.2		8.5	8.6		22.1	0.27		14.66			18.69	9.61	
12.5C	0837	3.0			0.80	6.1		8.2	8.4		20.4	0.24		14.85			18.67	9.76	
12.5C	0837	4.0			0.63	4.4		7.8	8.1		19.9	0.23		15.71			18.41	10.48	
12.5C	0837	5.0			0.48	2.9		7.7	8.0		21.4	0.26		17.79			17.85	12.18	
12.5C	0837	6.0			0.41	2.3		7.7	8.0		25.8	0.32		18.78			17.71	12.96	
12.5C	0837	7.0			0.42	2.3		7.7	8.0		29.4	0.38		19.29			17.67	13.35	
12.5D	0847	1.0			1.41	12.2		8.9	8.9		19.3	0.23		14.56	2.0		18.86	9.50	
12.5D	0847	2.0			1.25	10.6		8.7	8.8		19.2	0.22		14.57			18.81	9.52	
12.5D	0847	3.0			0.96	7.7		8.4	8.5		20.2	0.24		14.75			18.67	9.69	
12.5D	0847	4.0			0.64	4.5		7.9	8.2		21.8	0.26		15.43			18.41	10.26	
12.5D	0847	5.0			0.47	2.9		7.8	8.1		24.7	0.31		17.68			17.85	12.09	
12.5D	0847	6.0			0.41	2.2		7.8	8.1		27.3	0.35		19.02			17.66	13.15	
12.5D	0847	7.0			0.42	2.4		7.9	8.2		35.1	0.46		19.30			17.64	13.37	
12.5E	0853	1.0			0.74	5.5		8.1	8.3		21.0	0.25		14.66	2.0		18.84	9.58	
12.5E	0853	2.0			0.65	4.6		7.9	8.2		20.4	0.24		14.70			18.78	9.63	
12.5E	0853	3.0			0.52	3.3		7.5	7.9		19.3	0.23		15.51			18.42	10.32	

LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PMA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
12.5E	0853	4.0			0.43	2.4		7.3	7.7		0.24	20.4		17.20	17.97	11.70
12.5E	0853	5.0			0.39	2.1		7.3	7.7		0.25	20.8		18.67	17.72	12.87
12.5E	0853	6.0			0.38	1.9		7.3	7.7		0.31	24.9		19.23	17.65	13.31
12.5E	0853	7.0			0.38	2.0		7.4	7.8		0.39	30.2		19.25	17.65	13.33
18.0	1508	1.0	2.9	0.50	0.58	3.9	8.0	8.1	8.3				0.6	22.35	17.66	15.69
18.0	1508	2.0			0.61	4.3		7.8	8.1		-0.05	1.0		22.48	17.41	15.85
18.0	1508	3.0			0.65	4.6		7.4	7.8		-0.02	2.8		23.56	16.78	16.80
18.0	1508	4.0			0.62	4.3		7.5	7.9		-0.02	2.8		25.04	16.09	18.08
18.0	1508	5.0			0.60	4.1		7.2	7.6		-0.01	3.8		25.41	15.90	18.41
18.0	1508	6.0			0.58	3.9		7.1	7.6		-0.01	3.8		26.01	15.56	18.94
18.0	1508	7.0			0.55	3.6		7.2	7.6		-0.01	3.8		26.68	15.18	19.53
18.0	1508	8.0			0.54	3.5		7.3	7.7		-0.00	3.9		26.76	15.12	19.60
18.0	1508	9.0			0.54	3.5		7.3	7.7		-0.00	4.0		26.81	15.09	19.65
18.0	1508	10.0			0.53	3.5		7.3	7.7		-0.00	4.0		26.82	15.08	19.66
18.0	1508	11.0			0.54	3.5		7.3	7.7		-0.00	4.1		26.81	15.09	19.65
18.0	1508	12.0			0.53	3.4		7.3	7.7		-0.00	4.2		26.83	15.08	19.67
18.0	1508	13.0			0.53	3.4		7.2	7.7		0.00	4.2		26.92	15.02	19.75
18.0	1508	14.0			0.53	3.4		7.0	7.5		0.00	4.4		27.12	14.90	19.92
18.0	1508	15.0			0.53	3.4		6.5	7.1		0.00	4.4		27.89	14.43	20.62
18.0	1508	16.0			0.52	3.4		6.4	7.0		0.01	4.6		28.65	13.95	21.30
18.0	1508	17.0			0.53	3.4		6.5	7.1		0.01	4.6		30.34	12.90	22.81
18.0	1508	18.0			0.54	3.5		6.6	7.2		0.01	4.9		30.56	12.76	23.00
18.0	1508	19.0			0.54	3.5		6.6	7.2		0.01	5.2		30.62	12.72	23.05
18.0	1508	20.0			0.55	3.6		6.6	7.1		0.02	5.4		30.68	12.69	23.11
18.0	1508	21.0			0.54	3.5		6.6	7.2		0.02	5.6		30.85	12.58	23.26
18.0	1508	22.0			0.54	3.5		6.6	7.2		0.02	5.5		30.94	12.51	23.34
18.0	1508	23.0			0.55	3.6		6.6	7.2		0.02	5.6		30.95	12.50	23.35
18.0	1508	24.0			0.56	3.7		6.6	7.2		0.02	5.6		31.00	12.47	23.40
18.0	1508	25.0			0.58	3.9		6.6	7.1		0.02	5.6		31.08	12.39	23.47
18.0	1508	26.0			0.59	4.0		6.5	7.1		0.02	5.3		31.12	12.35	23.51

LOCATION: North San Francisco Bay

DATE: June 15, 1993

JULIAN DAY: 93166

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1508	27.0			0.59	4.0		6.5	7.1		0.01	5.2		31.18	12.30	23.57
18.0	1508	28.0			0.60	4.1		6.5	7.1		0.01	5.0		31.20	12.28	23.59
18.0	1508	29.0			0.61	4.2		6.5	7.1		0.01	5.0		31.25	12.25	23.63
18.0	1508	30.0			0.60	4.1		6.5	7.1		0.01	4.8		31.25	12.25	23.64
18.0	1508	31.0			0.59	4.0		6.5	7.1		0.01	4.9		31.25	12.25	23.63
18.0	1508	32.0			0.59	4.1		6.5	7.1		0.01	4.8		31.25	12.25	23.63
18.0	1508	33.0			0.58	3.9		6.5	7.1		0.01	4.8		31.25	12.25	23.63
18.0	1508	34.0			0.56	3.7		6.5	7.1		0.01	4.9		31.26	12.25	23.64
18.0	1508	35.0			0.57	3.8		6.5	7.1		0.01	4.8		31.28	12.24	23.66
18.0	1508	36.0			0.58	3.9		6.5	7.1		0.01	4.7		31.34	12.20	23.71
18.0	1508	37.0			0.57	3.8		6.5	7.1		0.01	4.8		31.36	12.19	23.73
18.0	1508	38.0			0.56	3.0		6.4	7.1		0.01	5.1		31.37	12.18	23.74
18.0	1508	39.0			0.57	3.0		6.5	7.1		0.01	5.0		31.37	12.17	23.74
18.0	1508	40.0			0.57	3.0		6.4	7.1		0.02	5.3		31.37	12.19	23.74

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	13	0.673	9.976	-1.071	1.802
OBS Calibration:	19	0.990	66.706	4.238	7.969
Dissolved Oxygen Calibration:	11	0.622	0.753	2.209	0.304

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

NOTE: Station 18 profile collected on June 14th, not June 15th.

NOTE: 12.5A-E - CTD casts were taken across a foam line in the vicinity of station 12.5.

LOCATION: Non-standard stations: San Francisco Bay

DATE: June 16, 1993

JULIAN DAY: 93167

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a				CHL a	OXYG	OXYG	OXYG	OXYG	SPM							
24.0	1437	1.0	9.5	0.63	0.80	6.1	8.9	8.9	8.9	8.9	8.9	4.4	-.05	8.9	1.0	0.7	24.82	20.47	16.90
24.0	1437	2.0			0.83	6.4	8.8	8.8	8.8	8.8	8.8		-.05	8.8	0.9		24.84	20.38	16.94
24.0	1437	3.0			0.82	6.3	8.3	8.3	8.3	8.3	8.4		-.05	8.3	1.0		24.90	20.15	17.04
24.0	1437	4.0			0.75	5.6	7.7	7.7	7.7	7.7	8.0		-.05	7.7	1.0		25.05	19.44	17.33
24.0	1437	5.0			0.65	4.6	7.7	7.7	7.7	7.7	8.0		-.05	7.7	1.1		25.25	18.35	17.74
24.0	1437	6.0			0.57	3.9	7.5	7.5	7.5	7.5	7.9		-.04	7.5	1.6		25.43	17.98	17.96
24.0	1437	7.0			0.52	3.3	7.4	7.4	7.4	7.4	7.8		-.04	7.4	2.0		25.67	17.60	18.24
24.0	1437	8.0			0.47	2.8	7.5	7.5	7.5	7.5	7.9		-.04	7.5	2.0		25.83	17.28	18.43
24.0	1437	9.0			0.43	2.5	7.6	7.6	7.6	7.6	7.9		-.03	7.6	2.4		25.88	17.17	18.49
24.0	1437	10.0			0.41	2.2	7.7	7.7	7.7	7.7	8.0		-.02	7.7	2.8		25.90	17.12	18.52
24.0	1437	11.0			0.41	2.3	7.8	7.8	7.8	7.8	8.1		-.02	7.8	3.0		25.90	17.10	18.52
18.0	1256	1.0					6.8	6.8	6.8	6.8	7.3		-.03	6.8	2.8	0.6	26.97	15.82	19.62
18.0	1256	2.0					6.7	6.7	6.7	6.7	7.3		-.03	6.7	2.8		27.56	15.32	20.18
18.0	1256	3.0					6.4	6.4	6.4	6.4	7.0		-.03	6.4	2.6		27.97	14.98	20.56
18.0	1256	4.0					6.1	6.1	6.1	6.1	6.8		-.02	6.1	2.8		28.96	14.10	21.51
18.0	1256	5.0					6.2	6.2	6.2	6.2	6.9		-.00	6.2	4.1		29.74	13.30	22.26
18.0	1256	6.0					6.2	6.2	6.2	6.2	6.9		-.01	6.2	4.0		29.95	13.05	22.47
18.0	1256	7.0					6.2	6.2	6.2	6.2	6.9		0.00	6.2	4.6		30.13	12.86	22.65
18.0	1256	8.0					6.2	6.2	6.2	6.2	6.9		0.00	6.2	4.5		30.19	12.80	22.71
18.0	1256	9.0					6.2	6.2	6.2	6.2	6.9		0.00	6.2	4.7		30.26	12.73	22.78
18.0	1256	10.0					6.2	6.2	6.2	6.2	6.9		0.01	6.2	4.9		30.46	12.54	22.97
18.0	1256	11.0					6.2	6.2	6.2	6.2	6.9		0.01	6.2	5.2		30.57	12.42	23.07
18.0	1256	12.0					6.2	6.2	6.2	6.2	6.9		0.01	6.2	5.1		30.62	12.36	23.13
18.0	1256	13.0					6.3	6.3	6.3	6.3	6.9		0.01	6.3	5.3		30.65	12.33	23.15
18.0	1256	14.0					6.3	6.3	6.3	6.3	6.9		0.01	6.3	5.4		30.65	12.32	23.16
18.0	1256	15.0					6.3	6.3	6.3	6.3	6.9		0.02	6.3	5.6		30.66	12.31	23.16
18.0	1256	16.0					6.2	6.2	6.2	6.2	6.9		0.02	6.2	5.5		30.71	12.27	23.21
18.0	1256	17.0					6.2	6.2	6.2	6.2	6.9		0.02	6.2	5.7		30.82	12.16	23.32
18.0	1256	18.0					6.2	6.2	6.2	6.2	6.9		0.02	6.2	5.6		30.87	12.12	23.36
18.0	1256	19.0					6.2	6.2	6.2	6.2	6.9		0.02	6.2	5.8		30.92	12.08	23.41

LOCATION: Non-standard stations: San Francisco Bay

DATE: June 16, 1993

JULIAN DAY: 93167

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1256	20.0						6.2	6.9	0.02	0.02	5.7		31.03	11.98	23.51
18.0	1256	21.0						6.2	6.9	0.02	0.02	5.9		31.11	11.91	23.59
18.0	1256	22.0						6.1	6.8	0.03	0.03	6.2		31.13	11.88	23.61
18.0	1256	23.0						6.1	6.8	0.03	0.03	6.4		31.23	11.80	23.70
18.0	1256	24.0						6.1	6.8	0.03	0.03	6.4		31.28	11.76	23.75
18.0	1256	25.0						6.1	6.8	0.03	0.03	6.5		31.32	11.72	23.78
18.0	1256	26.0						6.1	6.8	0.04	0.04	7.1		31.33	11.71	23.79
18.0	1256	27.0						6.1	6.8	0.04	0.04	6.9		31.34	11.70	23.81
18.0	1256	28.0						6.1	6.8	0.04	0.04	7.2		31.36	11.69	23.82
18.0	1256	29.0						6.1	6.8	0.05	0.05	7.5		31.39	11.66	23.85
18.0	1256	30.0						6.1	6.8	0.05	0.05	7.6		31.46	11.61	23.91
18.0	1256	31.0						6.1	6.8	0.05	0.05	8.0		31.48	11.59	23.93
18.0	1256	32.0						6.1	6.8	0.06	0.06	8.3		31.48	11.59	23.93
18.0	1256	33.0						6.1	6.8	0.06	0.06	8.7		31.49	11.58	23.94
18.0	1256	34.0						6.0	6.8	0.07	0.07	9.0		31.53	11.56	23.97
18.0	1256	35.0						6.0	6.7	0.07	0.07	9.2		31.59	11.51	24.03
18.0	1256	36.0						6.0	6.7	0.07	0.07	9.3		31.73	11.42	24.16
18.0	1256	37.0						6.0	6.7	0.09	0.09	10.3		31.79	11.37	24.21
18.0	1256	38.0						6.0	6.7	0.09	0.09	10.7		31.82	11.35	24.23
18.0	1256	39.0						6.0	6.7	0.12	0.12	12.1		31.82	11.35	24.24
18.0	1256	40.0						6.0	6.7	0.13	0.13	13.1		31.82	11.35	24.24
18.0	1256	41.0						6.0	6.7	0.14	0.14	13.7		31.83	11.34	24.25
18.0	1256	42.0						6.0	6.7	0.14	0.14	13.7		31.84	11.34	24.25
18.0	1256	43.0						6.0	6.7	0.14	0.14	13.9		31.84	11.33	24.26
18.0	1256	44.0						6.0	6.7	0.15	0.15	14.4		31.85	11.33	24.26
18.0	1256	45.0						6.0	6.7	0.16	0.16	15.1		31.85	11.33	24.26
12A	1056	1.0	47.3	0.84	1.47	12.8		9.1	9.1	0.23	0.23	19.9	2.3	11.37	19.72	6.89
12A	1056	2.0			1.36	11.7		8.3	8.4	0.20	0.20	17.9		12.01	19.50	7.43
12A	1056	3.0			1.30	11.1		7.7	8.0	0.21	0.21	18.4		12.62	19.24	7.95
12A	1056	4.0			1.30	11.1		7.5	7.9	0.31	0.31	24.8		13.93	18.70	9.05

LOCATION: Non-standard stations: San Francisco Bay

DATE: June 16, 1993

JULIAN DAY: 93167

Seabird v4.026

STN	TIME	DEPTH	OISCR CHL a	CHL a/ b+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	OBS	DISCR SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
12A	1056	5.0			1.37	11.8	7.3	7.7	0.67	48.8	48.8		14.87	18.48	9.82
12A	1056	6.0			1.71	15.2	7.3	7.7	2.15	147.3	147.3		17.58	17.86	12.01
12A	1056	7.0			1.78	15.9	7.5	7.9	6.59	442.6	442.6		18.64	17.63	12.87
12B	1058	1.0			0.60	4.1	7.8	8.1	0.21	18.4	18.4	1.8	11.85	19.71	7.26
12B	1058	2.0			0.52	3.4	7.7	8.0	0.21	18.6	18.6		12.39	19.31	7.76
12B	1058	3.0			0.43	2.4	7.4	7.8	0.22	18.9	18.9		13.01	19.02	8.29
12B	1058	4.0			0.39	2.1	7.2	7.6	0.35	27.6	27.6		14.44	18.57	9.48
12B	1058	5.0			0.41	2.2	7.0	7.5	0.68	49.7	49.7		15.22	18.41	10.10
12B	1058	6.0			0.50	3.1	6.8	7.3	1.83	126.0	126.0		17.71	17.80	12.12
12B	1058	7.0			0.51	3.2	7.0	7.5	4.79	322.9	322.9		19.58	17.37	13.64
757	0705	1.0	7.7	0.56			23.8		0.31	24.7	24.7	2.5	0.07	19.84	0.00
757	0705	2.0					0.28		0.28	23.4	23.4		0.07	19.84	0.00
757	0705	3.0					0.29		0.29	23.8	23.8		0.07	19.84	0.00
757	0705	4.0					0.30		0.30	24.2	24.2		0.07	19.85	0.00
757	0705	5.0					0.31		0.31	24.8	24.8		0.07	19.85	0.00
757	0705	6.0					0.31		0.31	25.3	25.3		0.07	19.85	0.00
757	0705	7.0					0.32		0.32	25.7	25.7		0.07	19.85	0.00
757	0705	8.0					0.31		0.31	25.0	25.0		0.07	19.85	0.00
757	0705	9.0					0.32		0.32	26.0	26.0		0.07	19.85	0.00
757	0705	10.0					0.33		0.33	26.5	26.5		0.07	19.86	0.00
757	0705	11.0					0.39		0.39	30.1	30.1		0.07	19.87	0.00
757	0705	12.0					0.38		0.38	29.5	29.5		0.07	19.87	0.00
757	0705	13.0	16.9	0.57			25.1		0.41	31.8	31.8		0.07	19.87	0.00
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Slope															
Inter.															
Std. Err.															
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Fluorometer Calibration:

OBS Calibration:

Dissolved Oxygen Calibration:

13	0.673	9.976	-1.871	1.882
40	0.988	66.471	4.412	6.197
11	0.622	0.753	2.209	0.304

Dissolved Oxygen calibration regression calculated from combined North and South Bay discrete samples. OBS regression calculated from discrete SPM samples collect 14-16 June 1993. Fluorescence calibration regression from 6/15 used.

12A & B - CTD casts were taken through a bloom of Mesodinium rubrum in the vicinity of Station 12. 12A in bloom, 12B - out of bloom.

LOCATION: South San Francisco Bay

DATE: July 13, 1993

JULIAN DAY: 93194

SeaBird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR		OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a				OXYG	SPM										
36.0	0820	1.0			0.45	6.4	6.7	6.3	27.2	0.30	27.3	2.1	24.52	22.15	16.24				
36.0	0820	2.0			0.44	6.4	6.7	6.2	29.0	0.32	29.0		24.70	22.20	16.36				
36.0	0820	3.0			0.44	6.4	6.7	6.2	31.9	0.36	31.9		24.75	22.22	16.40				
36.0	0820	4.0			0.44	6.4	6.7	6.2	33.8	0.39	33.8		24.76	22.23	16.40				
36.0	0820	5.0			0.44	6.4	6.7	6.2	35.0	0.41	35.0		24.79	22.22	16.42				
36.0	0820	6.0			0.44	6.4	6.7	6.3	33.7	0.39	33.7		24.82	22.22	16.44				
36.0	0820	7.0			0.44	6.4	6.7	6.2	32.7	0.38	32.7		24.83	22.22	16.46				
36.0	0820	8.0			0.45	6.4	6.7	6.2	32.2	0.37	32.2		24.84	22.22	16.46				
36.0	0820	9.0			0.45	6.4	6.7	6.2	31.9	0.36	31.9		24.84	22.22	16.46				
35.0	0833	1.0			0.45	6.4	6.4	5.8	15.0	0.13	15.0	1.8	24.96	22.25	16.54				
35.0	0833	2.0			0.44	6.4	6.4	5.7	23.0	0.24	23.0		25.13	22.30	16.66				
35.0	0833	3.0			0.44	6.3	6.3	5.7	22.5	0.23	22.5		25.15	22.26	16.68				
35.0	0833	4.0			0.44	6.4	6.4	5.7	24.0	0.25	24.0		25.20	22.30	16.71				
35.0	0833	5.0			0.44	6.4	6.4	5.8	30.3	0.34	30.3		25.24	22.34	16.73				
35.0	0833	6.0			0.45	6.4	6.4	5.8	29.7	0.33	29.7		25.29	22.35	16.77				
35.0	0833	7.0			0.46	6.4	6.4	5.8	29.7	0.33	29.7		25.30	22.36	16.77				
35.0	0833	8.0			0.45	6.4	6.4	5.8	27.7	0.31	27.7		25.32	22.38	16.78				
35.0	0833	9.0			0.45	6.4	6.4	5.8	28.0	0.31	28.0		25.32	22.38	16.78				
35.0	0833	10.0			0.46	6.4	6.4	5.7	27.2	0.30	27.2		25.32	22.38	16.78				
34.0	0844	1.0			0.45	7.0	7.0	6.6	18.7	0.18	18.7	1.9	25.53	22.43	16.93				
34.0	0844	2.0			0.45	6.9	6.9	6.5	17.3	0.16	17.3		25.58	22.46	16.95				
34.0	0844	3.0			0.45	6.9	6.9	6.5	19.1	0.19	19.1		25.58	22.46	16.96				
34.0	0844	4.0			0.46	6.9	6.9	6.5	22.3	0.23	22.3		25.59	22.45	16.96				
34.0	0844	5.0			0.46	6.9	6.9	6.5	24.2	0.26	24.2		25.59	22.45	16.96				
34.0	0844	6.0			0.47	6.9	6.9	6.5	26.1	0.28	26.1		25.59	22.45	16.97				
34.0	0844	7.0			0.48	6.9	6.9	6.5	29.4	0.33	29.4		25.60	22.44	16.98				
34.0	0844	8.0			0.47	6.9	6.9	6.5	31.5	0.36	31.5		25.61	22.43	16.99				
34.0	0844	9.0			0.47	6.9	6.9	6.5	33.5	0.39	33.5		25.60	22.43	16.98				

LOCATION: South San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	OXYG	CALC	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
33.0	0858	1.0				0.50			7.2	7.0			0.09	11.8	1.4	25.84	22.48	17.14
33.0	0858	2.0				0.49			7.2	6.9			0.10	12.7		25.84	22.47	17.15
33.0	0858	3.0				0.47			7.2	6.9			0.12	13.9		25.84	22.46	17.15
33.0	0858	4.0				0.46			7.2	6.9			0.13	14.7		25.84	22.46	17.15
33.0	0858	5.0				0.46			7.2	6.9			0.14	15.5		25.84	22.46	17.15
33.0	0858	6.0				0.45			7.2	6.9			0.14	15.5		25.84	22.46	17.15
33.0	0858	7.0				0.45			7.2	6.9			0.16	16.9		25.85	22.46	17.16
33.0	0858	8.0				0.46			7.2	6.9			0.17	17.6		25.85	22.46	17.16
33.0	0858	9.0				0.46			7.2	6.9			0.17	18.3		25.85	22.46	17.16
33.0	0858	10.0				0.46			7.1	6.9			0.18	18.7		25.85	22.46	17.16
33.0	0858	11.0				0.46			7.1	6.9			0.19	19.0		25.85	22.46	17.16
33.0	0858	12.0				0.46			7.1	6.9			0.19	19.7		25.85	22.46	17.16
33.0	0858	13.0				0.46			7.1	6.9			0.20	20.4		25.85	22.46	17.16
33.0	0858	14.0				0.46			7.1	6.9			0.20	20.1		25.85	22.46	17.16
32.0	0909	1.0				0.54		6.9	7.3	7.0		10.2	0.06	9.9	1.2	25.84	22.47	17.15
32.0	0909	2.0				0.54			7.2	7.0			0.06	9.8		25.84	22.44	17.16
32.0	0909	3.0				0.53			7.2	7.0			0.06	10.0		25.84	22.43	17.16
32.0	0909	4.0				0.52			7.2	7.0			0.07	10.5		25.84	22.42	17.17
32.0	0909	5.0				0.51			7.2	7.0			0.07	10.8		25.84	22.42	17.17
32.0	0909	6.0				0.50			7.2	6.9			0.08	11.1		25.84	22.41	17.17
32.0	0909	7.0				0.51			7.2	6.9			0.08	11.3		25.84	22.41	17.17
32.0	0909	8.0				0.51			7.2	7.0			0.08	11.7		25.84	22.40	17.17
32.0	0909	9.0				0.51			7.2	6.9			0.09	12.3		25.84	22.39	17.17
32.0	0909	10.0				0.51			7.2	6.9			0.10	13.2		25.84	22.40	17.17
32.0	0909	11.0				0.51			7.2	7.0			0.12	14.2		25.84	22.39	17.17
32.0	0909	12.0				0.52			7.2	6.9			0.13	14.8		25.84	22.39	17.17
32.0	0909	13.0				0.53			7.2	6.9			0.13	15.2		25.84	22.39	17.17
32.0	0909	14.0				0.53			7.2	6.9			0.15	16.6		25.84	22.39	17.17

LOCATION: South San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPH	EXCOF	SALIN	TEMP	SIGT
31.0	0920	1.0			0.52		7.2	7.0			0.01	6.7	1.0	25.86	22.44	17.17
31.0	0920	2.0			0.52		7.2	6.9			0.02	6.8		25.86	22.38	17.19
31.0	0920	3.0			0.51		7.2	6.9			0.02	7.0		25.86	22.35	17.20
31.0	0920	4.0			0.50		7.2	6.9			0.03	7.4		25.86	22.35	17.20
31.0	0920	5.0			0.49		7.2	6.9			0.03	7.9		25.86	22.33	17.20
31.0	0920	6.0			0.49		7.2	6.9			0.04	8.4		25.86	22.33	17.20
31.0	0920	7.0			0.49		7.2	6.9			0.04	8.7		25.86	22.33	17.20
31.0	0920	8.0			0.49		7.2	6.9			0.05	9.1		25.86	22.33	17.20
31.0	0920	9.0			0.49		7.2	6.9			0.05	9.5		25.86	22.33	17.20
31.0	0920	10.0			0.50		7.2	6.9			0.06	9.7		25.86	22.33	17.20
31.0	0920	11.0			0.50		7.2	6.9			0.06	9.7		25.86	22.33	17.20
31.0	0920	12.0			0.51		7.2	6.9			0.06	9.7		25.86	22.33	17.20
31.0	0920	13.0			0.51		7.2	6.9			0.06	10.0		25.86	22.33	17.20
31.0	0920	14.0			0.51		7.2	6.9			0.07	10.4		25.86	22.33	17.20
31.0	0920	15.0			0.51		7.2	6.9			0.07	10.9		25.86	22.33	17.20
30.0	0939	1.0			0.42		6.8	7.1	6.8	6.5	0.00	5.8	0.9	25.85	22.04	17.27
30.0	0939	2.0			0.42		7.1	6.8			0.01	6.2		25.85	21.94	17.30
30.0	0939	3.0			0.40		7.1	6.8			0.01	6.4		25.87	21.88	17.33
30.0	0939	4.0			0.38		7.1	6.8			0.01	6.7		25.88	21.83	17.35
30.0	0939	5.0			0.37		7.1	6.8			0.02	7.2		25.90	21.77	17.38
30.0	0939	6.0			0.36		7.1	6.8			0.02	7.3		25.91	21.73	17.40
30.0	0939	7.0			0.35		7.1	6.8			0.02	7.3		25.92	21.70	17.41
30.0	0939	8.0			0.35		7.1	6.8			0.02	7.1		25.92	21.67	17.42
30.0	0939	9.0			0.35		7.1	6.8			0.02	6.9		25.92	21.66	17.43
30.0	0939	10.0			0.35		7.1	6.8			0.02	6.8		25.93	21.66	17.43
30.0	0939	11.0			0.35		7.1	6.8			0.01	6.7		25.93	21.66	17.44
30.0	0939	12.0			0.36		7.1	6.8			0.02	6.8		25.94	21.65	17.44
30.0	0939	13.0			0.36		7.1	6.8			0.01	6.6		25.94	21.65	17.44
30.0	0939	14.0			0.37		7.1	6.8			0.01	6.7		25.94	21.65	17.44
30.0	0939	15.0			0.37		7.1	6.8			0.01	6.7		25.94	21.65	17.44

221

LOCATION: South San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	OXYG	CALC	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
30.0	0939	16.0				0.37				7.1	6.8			7.0	0.02				25.94	21.65	17.44
29.0	1000	1.0				0.41				7.3	7.0			2.8	-0.04			0.7	26.21	21.70	17.64
29.0	1000	2.0				0.42				7.2	7.0			2.7	-0.04				26.22	21.58	17.67
29.0	1000	3.0				0.42				7.2	7.0			2.9	-0.04				26.23	21.51	17.70
29.0	1000	4.0				0.40				7.2	7.0			3.0	-0.04				26.25	21.48	17.72
29.0	1000	5.0				0.39				7.2	7.0			3.3	-0.03				26.25	21.47	17.72
29.0	1000	6.0				0.39				7.2	7.0			3.3	-0.03				26.25	21.46	17.73
29.0	1000	7.0				0.37				7.2	7.0			3.5	-0.03				26.26	21.44	17.74
29.0	1000	8.0				0.36				7.2	7.0			3.7	-0.03				26.28	21.42	17.76
29.0	1000	9.0				0.35				7.2	7.0			4.0	-0.02				26.30	21.41	17.77
29.0	1000	10.0				0.35				7.2	6.9			4.1	-0.02				26.30	21.41	17.78
29.0	1000	11.0				0.34				7.2	6.9			4.3	-0.02				26.30	21.38	17.79
29.0	1000	12.0				0.34				7.2	7.0			4.6	-0.01				26.30	21.34	17.80
29.0	1000	13.0				0.34				7.2	7.0			4.8	-0.01				26.29	21.33	17.80
29.0	1000	14.0				0.34				7.2	6.9			5.1	-0.01				26.29	21.31	17.80
29.0	1000	15.0				0.34				7.2	6.9			5.4	-0.00				26.29	21.30	17.80
29.0	1000	16.0				0.34				7.2	7.0			5.6	-0.00				26.29	21.30	17.80
28.0	1038	1.0				0.35				7.3	7.0			5.7	0.00			0.5	26.35	21.42	17.82
28.0	1038	2.0				0.35				7.2	6.9			5.5	-0.00				26.34	21.45	17.80
28.0	1038	3.0				0.35				7.1	6.9			5.3	-0.00				26.37	21.34	17.85
28.0	1038	4.0				0.35				7.2	6.9			5.6	-0.00				26.41	21.21	17.92
28.0	1038	5.0				0.35				7.2	7.0			5.6	-0.00				26.45	21.23	17.94
28.0	1038	6.0				0.36				7.2	7.0			5.1	-0.01				26.46	21.25	17.94
28.0	1038	7.0				0.36				7.2	7.0			4.8	-0.01				26.47	21.25	17.95
28.0	1038	8.0				0.35				7.2	7.0			4.7	-0.01				26.50	21.23	17.98
28.0	1038	9.0				0.35				7.2	7.0			5.0	-0.01				26.50	21.21	17.99
28.0	1038	10.0				0.34				7.2	7.0			5.8	0.00				26.51	21.18	18.00
28.0	1038	11.0				0.34				7.2	7.0			6.4	0.01				26.51	21.17	18.00
28.0	1038	12.0				0.34				7.2	7.0			6.8	0.02				26.54	21.15	18.03

LOCATION: South San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
28.0	1038	13.0			0.35			7.3		0.02	6.9		26.64	21.10	18.12
28.0	1038	14.0			0.36			7.3		0.02	6.9		26.69	21.08	18.16
28.0	1038	15.0			0.36			7.3		0.01	6.4		26.69	21.07	18.17
28.0	1038	16.0			0.36			7.3		0.01	6.5		26.70	21.06	18.17
27.0	1050	1.0			0.37		7.1	7.5	3.5	-.02	4.4		26.73	20.93	18.23
27.0	1050	2.0			0.37			7.5		-.01	4.6		26.73	20.93	18.23
27.0	1050	3.0			0.37			7.4		-.02	4.4		26.73	20.95	18.23
27.0	1050	4.0			0.36			7.3		-.02	4.5		26.73	20.91	18.24
27.0	1050	5.0			0.35			7.3		-.01	4.6		26.74	20.73	18.29
27.0	1050	6.0			0.33			7.3		-.01	5.2		26.74	20.68	18.30
27.0	1050	7.0			0.33			7.3		0.00	5.6		26.77	20.53	18.36
27.0	1050	8.0			0.33			7.5		0.01	6.1		26.79	20.54	18.38
27.0	1050	9.0			0.34			7.5		0.02	6.9		26.87	20.72	18.39
27.0	1050	10.0			0.36			7.4		0.03	7.5		26.90	20.76	18.40
27.0	1050	11.0			0.36			7.4		0.03	7.8		26.90	20.76	18.40
27.0	1050	12.0			0.37			7.4		0.04	8.2		26.90	20.74	18.41
27.0	1050	13.0			0.37			7.5		0.03	8.0		26.89	20.67	18.42
26.0	1107	1.0			0.55			7.8		-.05	2.2		27.00	20.64	18.51
26.0	1107	2.0			0.56			7.8		-.05	2.2		27.00	20.64	18.51
26.0	1107	3.0			0.56			7.8		-.05	2.2		27.00	20.64	18.51
26.0	1107	4.0			0.56			7.8		-.05	2.2		27.00	20.65	18.50
26.0	1107	5.0			0.55			7.6		-.05	2.2		27.00	20.61	18.52
26.0	1107	6.0			0.50			7.5		-.05	2.2		27.16	20.30	18.72
26.0	1107	7.0			0.42			7.5		-.05	2.2		27.37	19.93	18.97
26.0	1107	8.0			0.37			7.5		-.05	2.2		27.46	19.78	19.08
26.0	1107	9.0			0.36			7.5		-.04	2.9		27.48	19.74	19.10
26.0	1107	10.0			0.35			7.6		-.03	3.4		27.49	19.73	19.11
26.0	1107	11.0			0.35			7.6		-.02	4.2		27.48	19.73	19.11

LOCATION: South San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
25.0	1122	1.0		0.66	0.66			8.2	8.5		-.04	2.6	0.7	27.66	19.58	19.27
25.0	1122	2.0		0.67	0.67			8.3	8.5		-.04	2.6		27.66	19.60	19.27
25.0	1122	3.0		0.70	0.70			8.2	8.5		-.04	2.5		27.66	19.60	19.27
25.0	1122	4.0		0.73	0.73			8.2	8.4		-.04	2.5		27.66	19.59	19.27
25.0	1122	5.0		0.74	0.74			8.2	8.3		-.04	2.5		27.66	19.52	19.29
25.0	1122	6.0		0.64	0.64			7.7	7.7		-.04	2.5		27.67	19.49	19.31
25.0	1122	7.0		0.47	0.47			7.6	7.6		-.04	2.6		28.03	18.83	19.75
25.0	1122	8.0		0.37	0.37			7.7	7.7		-.05	2.4		28.20	18.56	19.94
25.0	1122	9.0		0.38	0.38			7.9	7.9		-.04	2.7		28.20	18.55	19.94
24.0	1136	1.0		0.52	0.52		8.1	8.1	8.2	3.0	-.03	3.5	0.6	27.98	19.30	19.59
24.0	1136	2.0		0.55	0.55			7.9	7.9		-.05	2.0		28.05	18.97	19.73
24.0	1136	3.0		0.53	0.53			7.5	7.4		-.05	2.0		28.21	18.63	19.93
24.0	1136	4.0		0.47	0.47			7.6	7.5		-.05	2.3		28.52	18.05	20.31
24.0	1136	5.0		0.42	0.42			7.6	7.6		-.04	2.8		28.62	17.85	20.43
24.0	1136	6.0		0.39	0.39			7.7	7.6		-.03	3.2		28.68	17.74	20.50
24.0	1136	7.0		0.36	0.36			7.7	7.7		-.03	3.8		28.77	17.61	20.60
24.0	1136	8.0		0.34	0.34			7.7	7.7		-.02	4.1		28.79	17.56	20.63
24.0	1136	9.0		0.33	0.33			7.8	7.7		-.01	4.6		28.81	17.53	20.65
24.0	1136	10.0		0.33	0.33			7.8	7.8		-.01	4.6		28.82	17.51	20.66
24.0	1136	11.0		0.33	0.33			7.8	7.8		-.01	4.6		28.82	17.51	20.66
23.0	1150	1.0		0.63	0.63			8.2	8.5		0.40	34.7	0.6	28.04	19.10	19.68
23.0	1150	2.0		0.66	0.66			8.2	8.4		-.03	3.5		28.03	19.13	19.67
23.0	1150	3.0		0.70	0.70			8.3	8.6		-.04	2.6		28.03	19.11	19.68
23.0	1150	4.0		0.69	0.69			8.3	8.6		-.04	2.5		28.11	18.94	19.78
23.0	1150	5.0		0.65	0.65			8.2	8.4		-.04	2.5		28.20	18.60	19.93
23.0	1150	6.0		0.63	0.63			8.1	8.3		-.04	2.5		28.19	18.59	19.93
23.0	1150	7.0		0.59	0.59			7.9	8.0		-.04	2.6		28.27	18.52	20.00
23.0	1150	8.0		0.51	0.51			7.7	7.7		-.04	2.7		28.54	18.13	20.30
23.0	1150	9.0		0.44	0.44			7.8	7.8		-.04	2.8		28.80	17.64	20.61

LOCATION: South San Francisco Bay

DATE: July 13, 1993

JULIAN DAY: 93194

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
23.0	1150	10.0			0.40			7.7	7.7		-.04	2.9		28.83	17.54	20.66
23.0	1150	11.0			0.37			7.7	7.7		-.03	3.3		28.94	17.33	20.79
23.0	1150	12.0			0.35			7.7	7.7		-.02	3.9		29.03	17.16	20.90
23.0	1150	13.0			0.34			7.8	7.8		-.00	5.3		29.05	17.13	20.93
23.0	1150	14.0			0.34			7.8	7.8		0.01	6.7		29.06	17.11	20.94
23.0	1150	15.0			0.34			7.8	7.8		0.03	8.0		29.07	17.10	20.94
23.0	1150	16.0			0.34			7.9	7.9		0.05	9.1		29.07	17.10	20.94
22.0	1208	1.0						8.3	8.5		-.04	2.7	0.6	28.50	17.80	20.35
22.0	1208	2.0						8.3	8.5		-.04	2.8		28.50	17.81	20.35
22.0	1208	3.0						8.3	8.6		-.04	2.6		28.50	17.84	20.34
22.0	1208	4.0						8.2	8.4		-.04	2.5		28.50	17.79	20.36
22.0	1208	5.0						8.0	8.2		-.04	2.7		28.50	17.62	20.39
22.0	1208	6.0						8.0	8.1		-.04	2.7		28.64	17.25	20.58
22.0	1208	7.0						8.0	8.1		-.04	2.8		29.16	17.01	21.03
22.0	1208	8.0						7.9	8.0		-.03	3.3		29.16	17.02	21.03
22.0	1208	9.0						7.9	8.0		-.03	3.5		29.22	16.95	21.09
22.0	1208	10.0						7.9	8.0		-.02	4.0		29.31	16.83	21.19
22.0	1208	11.0						7.9	8.0		-.01	4.8		29.35	16.77	21.24
22.0	1208	12.0						8.0	8.1		-.00	5.5		29.38	16.74	21.27
22.0	1208	13.0						8.0	8.1		0.01	6.4		29.39	16.72	21.28
22.0	1208	14.0						8.0	8.2		0.01	6.7		29.40	16.71	21.29
22.0	1208	15.0						8.1	8.2		0.02	6.9		29.40	16.71	21.29
22.0	1208	16.0						8.1	8.2		0.02	7.1		29.41	16.69	21.30
22.0	1208	17.0						8.1	8.2		0.03	7.4		29.42	16.69	21.31
22.0	1208	18.0						8.1	8.2		0.03	7.6		29.42	16.68	21.31
22.0	1208	19.0						8.1	8.2		0.02	7.3		29.42	16.68	21.31
21.0	1221	1.0			0.72		8.5	8.1	8.2	3.9	-.03	3.4	0.6	28.40	18.29	20.16
21.0	1221	2.0			0.76			8.2	8.5		-.03	3.3		28.41	18.26	20.18
21.0	1221	3.0			0.78			8.3	8.5		-.04	3.0		28.48	18.15	20.25

LOCATION: South San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	1221	4.0			0.68			8.1	8.3		-.04	2.7		28.59	17.93	20.39
21.0	1221	5.0			0.58			8.0	8.1		-.04	2.8		28.70	17.70	20.52
21.0	1221	6.0			0.51			7.9	7.9		-.04	2.8		28.93	17.33	20.79
21.0	1221	7.0			0.46			7.9	7.9		-.03	3.3		29.13	17.03	21.00
21.0	1221	8.0			0.43			7.9	7.9		-.03	3.4		29.19	16.92	21.08
21.0	1221	9.0			0.41			7.9	8.0		-.03	3.5		29.34	16.77	21.23
21.0	1221	10.0			0.39			7.9	8.0		-.03	3.5		29.43	16.66	21.33
21.0	1221	11.0			0.38			7.9	8.0		-.03	3.6		29.55	16.53	21.44
21.0	1221	12.0			0.38			8.0	8.1		-.02	4.1		29.68	16.40	21.57
21.0	1221	13.0			0.38			8.0	8.1		-.02	4.4		29.70	16.39	21.59
21.0	1221	14.0			0.39			8.0	8.1		-.01	5.0		29.72	16.37	21.61
21.0	1221	15.0			0.39			8.0	8.1		-.00	5.4		29.75	16.33	21.64
21.0	1221	16.0			0.37			8.0	8.2		0.00	5.9		29.82	16.26	21.71
21.0	1221	17.0			0.38			8.1	8.2		0.02	7.2		29.88	16.18	21.77
21.0	1221	18.0			0.39			8.1	8.3		0.04	8.5		29.94	16.10	21.84

236

n	r ²	Slope	Inter.	Std. Err.
6	0.996	72.226	5.643	0.692
6	0.955	1.455	-3.536	0.192

OBS Calibration:
 Dissolved Oxygen Calibration:

LOCATION: North San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
657.0	1934	1.0		0.35			16.9			0.17	14.1	1.6	0.06	21.62	0.00
657.0	1934	2.0		0.35						0.15	13.6		0.06	21.64	0.00
657.0	1934	3.0		0.35						0.17	14.1		0.06	21.64	0.00
657.0	1934	4.0		0.36						0.18	14.5		0.06	21.64	0.00
657.0	1934	5.0		0.36						0.18	14.6		0.06	21.64	0.00
657.0	1934	6.0		0.36						0.20	15.4		0.06	21.64	0.00
657.0	1934	7.0		0.36						0.22	16.1		0.06	21.64	0.00
657.0	1934	8.0		0.36						0.22	16.4		0.06	21.63	0.00
657.0	1934	9.0		0.36						0.22	16.4		0.06	21.62	0.00
657.0	1934	10.0		0.36						0.24	17.0		0.06	21.61	0.00
657.0	1934	11.0		0.36						0.29	18.9		0.06	21.60	0.00
653.0	1906	1.0								0.18	14.5	1.8	0.06	21.51	0.00
653.0	1906	2.0								0.17	14.1		0.06	21.52	0.00
653.0	1906	3.0								0.17	14.3		0.06	21.52	0.00
653.0	1906	4.0								0.17	14.3		0.06	21.52	0.00
653.0	1906	5.0								0.17	14.4		0.06	21.52	0.00
653.0	1906	6.0								0.17	14.4		0.06	21.52	0.00
653.0	1906	7.0								0.18	14.5		0.06	21.52	0.00
653.0	1906	8.0								0.19	14.9		0.06	21.52	0.00
649.0	1835	1.0		0.38			25.9			0.40	22.9	2.5	0.09	21.01	0.00
649.0	1835	2.0		0.38						0.39	22.7		0.09	21.00	0.00
649.0	1835	3.0		0.38						0.38	22.3		0.09	20.99	0.00
649.0	1835	4.0		0.38						0.37	22.1		0.09	21.00	0.00
649.0	1835	5.0		0.39						0.38	22.2		0.09	21.01	0.00
649.0	1835	6.0		0.39						0.38	22.3		0.09	21.01	0.00
649.0	1835	7.0		0.39						0.39	22.6		0.09	20.95	0.00
649.0	1835	8.0		0.39						0.37	22.0		0.09	20.94	0.00
649.0	1835	9.0		0.39						0.34	20.9		0.09	20.92	0.00
649.0	1835	10.0		0.39						0.34	20.6		0.09	20.90	0.00

27

LOCATION: North San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
649.0	1835	11.0		0.39						0.36	21.6		0.09	20.92	0.00
2.0	1817	1.0		0.47						0.54	28.5	3.5	0.24	21.21	0.00
2.0	1817	2.0		0.46						0.54	28.4		0.24	21.21	0.00
2.0	1817	3.0		0.46						0.54	28.6		0.24	21.19	0.00
2.0	1817	4.0		0.47						0.55	28.8		0.25	21.19	0.00
2.0	1817	5.0		0.48						0.55	28.9		0.28	21.18	0.00
2.0	1817	6.0		0.48						0.58	30.1		0.29	21.19	0.00
2.0	1817	7.0		0.48						0.59	30.6		0.30	21.18	0.00
2.0	1817	8.0		0.48						0.61	31.4		0.31	21.17	0.00
2.0	1817	9.0		0.49						0.63	31.9		0.32	21.16	0.00
2.0	1817	10.0		0.49						0.64	32.4		0.35	21.17	0.00
2.0	1817	11.0		0.50						0.65	32.7		0.36	21.17	0.00
3.0	1804	1.0							36.0	0.69	34.3	4.1	0.35	21.12	0.00
3.0	1804	2.0								0.65	33.0		0.35	21.11	0.00
3.0	1804	3.0								0.67	33.7		0.35	21.09	0.00
3.0	1804	4.0								0.67	33.5		0.35	21.05	0.00
3.0	1804	5.0								0.69	34.3		0.37	20.99	0.00
3.0	1804	6.0								0.68	34.1		0.41	20.96	0.00
3.0	1804	7.0								0.69	34.3		0.47	20.91	0.00
3.0	1804	8.0								0.69	34.4		0.50	20.90	0.00
3.0	1804	9.0								0.69	34.5		0.54	20.88	0.00
3.0	1804	10.0								0.69	34.3		0.58	20.88	0.00
3.0	1804	11.0								0.70	34.6		0.62	20.86	0.00
3.0	1804	12.0								0.71	35.1		0.64	20.79	0.00
3.0	1804	13.0								0.75	36.8		0.64	20.77	0.00
4.0	1743	1.0		0.43						0.64	32.3	3.5	0.73	21.01	0.00
4.0	1743	2.0		0.43						0.62	31.7		0.73	20.96	0.00
4.0	1743	3.0		0.43						0.63	31.9		0.76	20.89	0.00

LOCATION: North San Francisco Bay

DATE: July 13, 1993

JULIAN DAY: 93194

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
4.0	1743	4.0			0.44						0.65	32.8		0.77	20.89	0.00
4.0	1743	5.0			0.45						0.66	33.3		0.81	20.76	0.00
4.0	1743	6.0			0.45						0.69	34.4		0.84	20.67	0.00
4.0	1743	7.0			0.46						0.73	35.7		0.85	20.66	0.00
4.0	1743	8.0			0.46						0.76	37.0		0.86	20.65	0.00
4.0	1743	9.0			0.47						0.77	37.4		0.87	20.64	0.00
4.0	1743	10.0			0.48						0.79	38.2		0.87	20.63	0.00
4.0	1743	11.0			0.48						0.81	39.2		0.87	20.61	0.00
4.0	1743	12.0			0.48						0.84	40.2		0.87	20.60	0.00
4.0	1743	13.0			0.49						0.88	41.8		0.87	20.61	0.00
4.0	1743	14.0			0.49						0.89	42.2		0.87	20.60	0.00
4.0	1743	15.0			0.49						0.90	42.5		0.88	20.58	0.00
5.0	1723	1.0			0.41			8.9	8.5		0.61	31.4	3.5	1.38	20.90	0.00
5.0	1723	2.0			0.41			8.9	8.4		0.58	30.2		1.39	20.86	0.00
5.0	1723	3.0			0.41			8.8	8.4		0.59	30.4		1.42	20.82	0.00
5.0	1723	4.0			0.40			8.7	8.4		0.59	30.6		1.50	20.71	0.00
5.0	1723	5.0			0.40			8.8	8.4		0.56	29.4		1.65	20.53	0.00
5.0	1723	6.0			0.40			8.8	8.4		0.57	29.7		1.80	20.52	0.00
5.0	1723	7.0			0.39			8.8	8.4		0.53	28.3		2.01	20.51	0.00
5.0	1723	8.0			0.39			8.8	8.4		0.52	27.9		2.06	20.53	0.00
5.0	1723	9.0			0.38			8.7	8.4		0.53	28.0		2.17	20.51	0.00
5.0	1723	10.0			0.37			8.8	8.4		0.47	26.0		2.48	20.39	0.01
5.0	1723	11.0			0.37			8.8	8.4		0.46	25.5		2.59	20.37	0.10
5.0	1723	12.0			0.37			8.8	8.4		0.46	25.4		2.73	20.35	0.21
6.0	1700	1.0			0.37		8.4	9.0	8.5	16.3	0.42	23.9	2.8	3.15	20.95	0.40
6.0	1700	2.0			0.37			9.0	8.5		0.41	23.5		3.16	20.95	0.41
6.0	1700	3.0			0.36			8.8	8.4		0.41	23.7		3.33	20.96	0.53
6.0	1700	4.0			0.36			8.8	8.4		0.44	24.8		3.64	20.73	0.82
6.0	1700	5.0			0.36			8.8	8.4		0.44	24.8		4.00	20.51	1.14

LOCATION: North San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
6.0	1700	6.0			0.35			8.6	8.3		0.66	25.5		4.60	20.39	1.62
6.0	1700	7.0			0.34			8.6	8.3		0.66	25.4		5.31	20.23	2.19
6.0	1700	8.0			0.34			8.6	8.3		0.61	23.7		6.47	20.11	3.10
6.0	1700	9.0			0.34			8.6	8.3		0.37	21.8		7.27	20.23	3.68
7.0	1632	1.0			0.35			8.7	8.4		0.20	15.4	1.7	6.21	21.38	2.62
7.0	1632	2.0			0.34			8.4	8.2		0.19	15.0		6.50	20.89	2.95
7.0	1632	3.0			0.33			8.4	8.2		0.18	14.7		7.50	20.22	3.85
7.0	1632	4.0			0.32			8.4	8.2		0.17	14.4		8.16	20.00	4.40
7.0	1632	5.0			0.32			8.3	8.1		0.18	14.6		9.17	19.83	5.21
7.0	1632	6.0			0.31			8.3	8.1		0.17	14.4		9.82	19.77	5.71
7.0	1632	7.0			0.32			8.3	8.1		0.19	14.8		10.60	19.68	6.32
7.0	1632	8.0			0.32			8.3	8.2		0.18	14.7		11.09	19.62	6.70
7.0	1632	9.0			0.32			8.4	8.2		0.18	14.7		11.22	19.60	6.80
7.0	1632	10.0			0.32			8.4	8.2		0.18	14.6		11.31	19.60	6.87
7.0	1632	11.0			0.32			8.4	8.2		0.18	14.6		11.51	19.57	7.03
7.0	1632	12.0			0.32			8.4	8.2		0.18	14.6		11.97	19.52	7.39
7.0	1632	13.0			0.32			8.4	8.2		0.19	15.0		12.71	19.46	7.96
7.0	1632	14.0			0.33			8.4	8.2		0.21	15.8		12.85	19.44	8.08
7.0	1632	15.0			0.33			8.4	8.2		0.29	18.8		12.86	19.44	8.09
8.0	1610	1.0			0.41			8.8	8.4		0.16	13.8	1.4	8.53	20.99	4.46
8.0	1610	2.0			0.41			8.7	8.4		0.15	13.5		8.56	20.95	4.49
8.0	1610	3.0			0.39			8.4	8.2		0.15	13.5		8.64	20.88	4.56
8.0	1610	4.0			0.36			8.1	8.0		0.15	13.4		9.65	20.20	5.48
8.0	1610	5.0			0.34			8.1	8.0		0.15	13.3		11.31	19.56	6.88
8.0	1610	6.0			0.33			8.2	8.1		0.20	15.3		12.22	19.50	7.58
8.0	1610	7.0			0.32			8.2	8.1		0.23	16.6		12.50	19.50	7.80
8.0	1610	8.0			0.32			8.2	8.1		0.22	16.1		12.99	19.45	8.18
8.0	1610	9.0			0.33			8.2	8.1		0.19	14.9		13.53	19.38	8.60
8.0	1610	10.0			0.34			8.2	8.1		0.17	14.2		13.88	19.35	8.88

LOCATION: North San Francisco Bay

DATE: July 13, 1993

JULIAN DAY: 93194

SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
8.0	1610	11.0			0.34		8.2	8.1		0.18	14.7		14.21	19.33	9.13
8.0	1610	12.0			0.34		8.2	8.1		0.23	16.6		14.61	19.31	9.44
8.0	1610	13.0			0.34		8.2	8.1		0.24	16.9		14.87	19.29	9.64
8.0	1610	14.0			0.34		8.2	8.1		0.24	16.9		14.95	19.29	9.70
8.0	1610	15.0			0.34		8.2	8.1		0.33	20.4		15.30	19.27	9.97
9.0	1554	1.0			0.35		8.6	8.3	17.2	0.19	14.8	1.5	9.61	20.77	5.33
9.0	1554	2.0			0.34		8.3	8.1		0.19	15.2		10.07	20.45	5.75
9.0	1554	3.0			0.34		8.3	8.1		0.23	16.7		12.02	19.61	7.41
9.0	1554	4.0			0.33		8.3	8.1		0.26	17.7		12.34	19.53	7.66
9.0	1554	5.0			0.33	8.4	8.4	8.2		0.27	18.3		12.48	19.50	7.78
9.0	1554	6.0			0.33		8.3	8.2		0.28	18.5		12.73	19.47	7.98
9.0	1554	7.0			0.33		8.3	8.1		0.27	18.0		13.19	19.39	8.35
9.0	1554	8.0			0.33		8.3	8.1		0.23	16.5		14.17	19.32	9.10
9.0	1554	9.0			0.34		8.3	8.1		0.19	15.1		14.49	19.29	9.35
9.0	1554	10.0			0.35		8.3	8.1		0.20	15.3		14.67	19.28	9.49
9.0	1554	11.0			0.35		8.4	8.2		0.20	15.4		15.07	19.24	9.80
9.0	1554	12.0			0.35		8.3	8.1		0.19	15.2		15.50	19.22	10.14
9.0	1554	13.0			0.35		8.3	8.1		0.19	15.1		15.62	19.21	10.23
9.0	1554	14.0			0.35		8.3	8.1		0.20	15.4		15.74	19.19	10.32
9.0	1554	15.0			0.35		8.3	8.1		0.22	16.0		15.89	19.17	10.44
9.0	1554	16.0			0.36		8.4	8.2		0.24	16.9		16.07	19.13	10.59
9.0	1554	17.0			0.36		8.4	8.2		0.26	17.8		16.33	19.11	10.79
9.0	1554	18.0			0.37		8.3	8.1		0.27	18.1		16.53	19.10	10.94
9.0	1554	19.0			0.39		8.3	8.1		0.28	18.5		16.74	19.07	11.11
9.0	1554	20.0			0.40		8.3	8.1		0.27	18.0		17.03	19.02	11.34
9.0	1554	21.0			0.40		8.3	8.1		0.27	17.9		17.10	19.01	11.40
9.0	1554	22.0			0.40		8.3	8.1		0.26	17.8		17.25	18.99	11.51
9.0	1554	23.0			0.41		8.3	8.1		0.28	18.6		17.64	18.92	11.83
9.0	1554	24.0			0.42		8.3	8.1		0.36	21.5		17.78	18.90	11.93
9.0	1554	25.0			0.43		8.3	8.1		0.44	24.6		17.87	18.89	12.01

LOCATION: North San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
9.0	1554	26.0			0.43			8.3	8.1		0.52	27.9		17.92	18.88	12.05
9.0	1554	27.0			0.44			8.3	8.1		0.61	31.4		17.96	18.88	12.08
9.0	1554	28.0			0.47			8.3	8.1		0.97	45.4		18.02	18.87	12.12
9.0	1554	29.0			0.52			8.4	8.2		2.12	89.7		18.04	18.87	12.14
9.0	1554	30.0			0.52			8.4	8.2		4.00	162.7		18.02	18.87	12.13
10.0	1534	1.0			0.33			8.9	8.5		0.13	12.7	1.2	9.95	20.52	5.64
10.0	1534	2.0			0.34			8.8	8.4		0.13	12.6		9.97	20.51	5.66
10.0	1534	3.0			0.33			8.5	8.2		0.13	12.8		10.07	20.49	5.73
10.0	1534	4.0			0.33			8.4	8.2		0.16	14.0		11.73	19.76	7.16
10.0	1534	5.0			0.33			8.3	8.1		0.15	13.4		12.64	19.55	7.89
10.0	1534	6.0			0.32			8.3	8.1		0.14	12.9		13.50	19.41	8.58
10.0	1534	7.0			0.33			8.3	8.1		0.13	12.8		14.89	19.26	9.66
10.0	1534	8.0			0.34			8.2	8.1		0.14	13.3		15.43	19.22	10.08
10.0	1534	9.0			0.35			8.3	8.1		0.17	14.1		16.25	19.12	10.72
10.0	1534	10.0			0.36			8.3	8.1		0.18	14.6		16.38	19.10	10.83
10.0	1534	11.0			0.37			8.3	8.1		0.21	15.9		16.42	19.10	10.86
10.0	1534	12.0			0.37			8.3	8.1		0.21	15.6		16.50	19.08	10.92
10.0	1534	13.0			0.38			8.3	8.1		0.21	15.7		16.56	19.07	10.97
10.0	1534	14.0			0.39			8.3	8.1		0.21	15.9		16.79	19.06	11.15
10.0	1534	15.0			0.40			8.3	8.1		0.22	16.2		17.45	18.94	11.68
10.0	1534	16.0			0.42			8.3	8.1		0.25	17.2		18.04	18.85	12.15
10.0	1534	17.0			0.43			8.3	8.1		0.40	23.0		18.53	18.80	12.53
10.0	1534	18.0			0.43			8.3	8.1		0.47	25.8		18.61	18.79	12.59
11.0	1511	1.0			0.37			7.7	7.8		0.13	12.7	1.8	14.45	19.65	9.24
11.0	1511	2.0			0.38			7.6	7.7		0.14	12.9		14.52	19.46	9.34
11.0	1511	3.0			0.37			7.5	7.6		0.15	13.3		14.69	19.27	9.51
11.0	1511	4.0			0.37			7.9	7.9		0.16	13.7		14.75	19.20	9.57
11.0	1511	5.0			0.38			8.2	8.1		0.19	15.0		15.83	19.09	10.41
11.0	1511	6.0			0.37			8.0	8.0		0.17	14.2		17.32	18.90	11.59

LOCATION: North San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
11.0	1511	7.0			0.37		7.9	7.9		0.16	13.8		18.22	18.80	12.29
11.0	1511	8.0			0.38		7.9	7.9		0.18	14.5		18.99	18.72	12.89
11.0	1511	9.0			0.39		7.8	7.8		0.22	16.0		20.03	18.56	13.73
11.0	1511	10.0			0.38		7.8	7.8		0.19	15.2		20.72	18.45	14.27
11.0	1511	11.0			0.37		7.8	7.8		0.18	14.6		21.01	18.37	14.51
11.0	1511	12.0			0.36		7.8	7.8		0.19	15.0		21.67	18.33	15.02
11.0	1511	13.0			0.37		7.7	7.8		0.21	15.7		22.40	18.21	15.60
11.0	1511	14.0			0.38		7.7	7.8		0.31	19.7		23.42	18.07	16.41
11.0	1511	15.0			0.40		7.8	7.8		0.44	24.8		23.53	18.05	16.50
11.0	1511	16.0			0.40		7.8	7.8		0.63	32.2		23.54	18.05	16.51
12.0	1454	1.0			0.67		8.0	7.9		0.40	23.3	2.5	17.22	19.41	11.39
12.0	1454	2.0			0.67		8.1	8.0		0.56	29.5		17.38	19.36	11.52
12.0	1454	3.0			0.66		8.2	8.0		0.80	38.8		17.82	19.32	11.87
12.0	1454	4.0			0.58		8.1	8.0		0.76	37.0		18.08	19.21	12.09
12.0	1454	5.0			0.45		8.0	7.9		0.34	20.7		18.87	18.66	12.82
12.0	1454	6.0			0.38		7.8	7.8		0.10	11.7		20.15	18.43	13.84
12.0	1454	7.0			0.38		7.8	7.8		0.15	13.5		20.91	18.38	14.43
12.0	1454	8.0			0.39		7.8	7.8		0.25	17.2		21.42	18.33	14.83
12.0	1454	9.0			0.40		7.6	7.7		0.52	27.8		22.70	18.11	15.85
12.0	1454	10.0			0.40		7.7	7.8		0.65	32.8		24.07	17.84	16.96
13.0	1434	1.0			0.58		8.9	8.5	12.2	0.09	11.1	1.4	20.46	19.23	13.89
13.0	1434	2.0			0.61		8.9	8.5		0.09	11.0		20.47	19.21	13.90
13.0	1434	3.0			0.60		8.9	8.5		0.09	10.9		20.47	19.21	13.91
13.0	1434	4.0			0.55		8.7	8.3		0.09	11.0		20.55	19.15	13.98
13.0	1434	5.0			0.47	8.5	8.4	8.2		0.08	10.6		21.23	18.84	14.57
13.0	1434	6.0			0.40		8.1	8.0		0.05	9.4		22.46	18.51	15.58
13.0	1434	7.0			0.36		7.9	7.9		0.03	8.9		23.78	18.01	16.70
13.0	1434	8.0			0.34		7.9	7.9		0.03	8.8		24.68	17.68	17.46
13.0	1434	9.0			0.33		8.0	8.0		0.05	9.5		25.81	17.32	18.40

LOCATION: North San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
13.0	1434	10.0			0.33		8.1		8.2	8.1			16.4	0.23				26.67	17.11	19.11
14.0	1414	1.0			0.52		8.5		8.9	8.5			9.8	0.05			1.2	20.55	19.25	13.96
14.0	1414	2.0			0.54		8.5		8.9	8.5			9.8	0.06				20.57	19.24	13.97
14.0	1414	3.0			0.54		8.4		8.7	8.4			9.7	0.05				20.65	19.20	14.05
14.0	1414	4.0			0.50		8.2		8.4	8.2			9.5	0.05				20.99	18.98	14.35
14.0	1414	5.0			0.44		7.9		8.0	7.9			9.1	0.04				22.08	18.51	15.29
14.0	1414	6.0			0.39		7.9		7.9	7.9			8.6	0.02				24.25	17.76	17.11
14.0	1414	7.0			0.34		7.9		7.9	7.9			7.8	0.00				25.39	17.50	18.04
14.0	1414	8.0			0.32		7.9		8.0	7.9			7.4	-0.00				25.82	17.30	18.42
14.0	1414	9.0			0.31		8.0		8.0	8.0			7.4	-0.00				26.20	17.18	18.74
14.0	1414	10.0			0.30		7.9		8.0	7.9			7.6	0.00				26.31	17.14	18.83
14.0	1414	11.0			0.30		8.0		8.0	8.0			8.3	0.02				26.58	17.04	19.06
14.0	1414	12.0			0.31		8.0		8.0	8.0			9.5	0.05				26.81	16.97	19.25
14.0	1414	13.0			0.30		8.0		8.0	8.0			11.3	0.09				26.85	16.95	19.29
14.0	1414	14.0			0.32		8.0		8.1	8.0			12.0	0.11				26.86	16.95	19.29
14.0	1414	15.0			0.33		8.0		8.1	8.0			12.1	0.12				26.86	16.95	19.30
15.0	1354	1.0					8.0		8.1	8.0			9.8	0.09			1.4	22.57	19.20	15.51
15.0	1354	2.0					7.9		8.0	7.9			11.1	0.09				22.93	18.88	15.85
15.0	1354	3.0					7.9		7.9	7.9			11.3	0.09				23.51	18.41	16.40
15.0	1354	4.0					7.8		7.8	7.8			10.9	0.08				24.05	18.12	16.88
15.0	1354	5.0					7.8		7.8	7.8			9.5	0.05				25.09	17.68	17.77
15.0	1354	6.0					7.9		7.9	7.9			7.6	-0.00				25.89	17.28	18.48
15.0	1354	7.0					7.9		7.9	7.9			7.4	-0.01				26.16	17.17	18.70
15.0	1354	8.0					7.9		7.9	7.9			7.3	-0.01				26.50	17.06	18.99
15.0	1354	9.0					7.9		7.9	7.9			7.2	-0.01				26.67	17.01	19.13
15.0	1354	10.0					7.9		7.9	7.9			7.4	-0.01				26.86	16.95	19.29
15.0	1354	11.0					7.9		7.9	7.9			8.4	0.02				26.92	16.92	19.34
15.0	1354	12.0					7.9		7.9	7.9			9.1	0.04				27.02	16.88	19.43
15.0	1354	13.0					8.0		8.0	7.9			9.5	0.05				27.13	16.84	19.52

LOCATION: North San Francisco Bay

DATE: July 13, 1993

JULIAN DAY: 93194

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC		DISCR	OXYG	OXYG	CALC		DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a/			CHL a	CHL a				SPM	SPM							
15.0	1354	14.0							8.0	8.0		8.0	8.0	0.05	9.8		27.24	16.80	19.61	
15.0	1354	15.0							8.1	8.0		8.1	8.0	0.02	8.5		27.31	16.77	19.68	
15.0	1354	16.0							8.0	8.0		8.0	8.0	0.01	8.2		27.33	16.77	19.69	
15.0	1354	17.0							8.0	8.0		8.0	8.0	0.01	8.1		27.51	16.70	19.84	
15.0	1354	18.0							8.1	8.0		8.1	8.0	0.01	8.1		27.78	16.59	20.07	
15.0	1354	19.0							8.1	8.0		8.1	8.0	0.02	8.3		27.88	16.55	20.16	
15.0	1354	20.0							8.1	8.0		8.1	8.0	0.02	8.3		28.03	16.49	20.29	
15.0	1354	21.0							8.1	8.0		8.1	8.0	0.03	8.6		28.09	16.46	20.34	
15.0	1354	22.0							8.1	8.0		8.1	8.0	0.03	8.7		28.19	16.42	20.43	
15.0	1354	23.0							8.1	8.0		8.1	8.0	0.04	9.1		28.25	16.40	20.47	
15.0	1354	24.0							8.1	8.0		8.1	8.0	0.07	10.2		28.25	16.40	20.48	
16.0	1326	1.0				0.42			8.7	8.3		8.7	8.3	-.02	6.9		25.25	18.10	17.80	
16.0	1326	2.0				0.44			8.7	8.3		8.7	8.3	-.02	6.8		25.25	18.10	17.80	
16.0	1326	3.0				0.47			8.4	8.2		8.4	8.2	-.02	6.8		25.25	18.11	17.80	
16.0	1326	4.0				0.47			8.2	8.0		8.2	8.0	-.02	6.7		25.50	17.64	18.10	
16.0	1326	5.0				0.44			8.1	8.0		8.1	8.0	-.02	6.7		26.81	16.97	19.24	
16.0	1326	6.0				0.42			7.8	7.9		7.8	7.9	-.02	6.9		27.73	16.67	20.02	
16.0	1326	7.0				0.41			8.0	7.9		8.0	7.9	-.01	7.1		29.32	16.02	21.38	
16.0	1326	8.0				0.40			8.1	8.0		8.1	8.0	-.01	7.3		29.98	15.70	21.95	
16.0	1326	9.0				0.39			8.2	8.1		8.2	8.1	0.00	7.7		30.03	15.67	22.00	
16.0	1326	10.0				0.39			8.3	8.1		8.3	8.1	0.00	7.8		30.03	15.66	22.01	
16.0	1326	11.0				0.38			8.3	8.1		8.3	8.1	0.01	8.0		30.05	15.64	22.02	
16.0	1326	12.0				0.37			8.3	8.1		8.3	8.1	0.01	8.2		30.10	15.61	22.07	
16.0	1326	13.0				0.37			8.4	8.2		8.4	8.2	0.03	8.6		30.27	15.52	22.22	
18.0	1251	1.0				0.54		8.5	8.8	8.4		8.8	8.4	-.01	7.2		28.46	16.90	20.52	
18.0	1251	2.0				0.55			8.8	8.4		8.8	8.4	-.01	7.1		28.46	16.89	20.52	
18.0	1251	3.0				0.56			8.7	8.3		8.7	8.3	-.01	7.1		28.68	16.77	20.72	
18.0	1251	4.0				0.54			8.6	8.3		8.6	8.3	-.02	6.9		29.00	16.58	21.01	
18.0	1251	5.0				0.51			8.6	8.3		8.6	8.3	-.02	6.7		29.47	16.26	21.44	

NO
OR

LOCATION: North San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1251	6.0				0.49				8.6	8.3			6.7	-.02	8.3			29.64	16.15	21.59
18.0	1251	7.0				0.48				8.7	8.3			6.7	-.02	8.3			29.69	16.11	21.65
18.0	1251	8.0				0.48				8.6	8.3			6.7	-.02	8.3			29.72	16.10	21.67
18.0	1251	9.0				0.47				8.6	8.3			6.8	-.02	8.3			29.79	16.03	21.74
18.0	1251	10.0				0.46				8.6	8.3			6.9	-.02	8.3			29.86	15.97	21.81
18.0	1251	11.0				0.46				8.6	8.3			7.1	-.01	8.3			30.00	15.85	21.94
18.0	1251	12.0				0.46				8.5	8.3			7.3	-.01	8.3			30.08	15.80	22.01
18.0	1251	13.0				0.46				8.5	8.2			7.6	-.00	8.2			30.33	15.61	22.24
18.0	1251	14.0				0.45				8.6	8.3			8.5	0.02	8.3			30.69	15.34	22.58
18.0	1251	15.0				0.45				8.6	8.3			9.0	0.04	8.3			30.84	15.23	22.72
18.0	1251	16.0				0.44				8.6	8.3			9.5	0.05	8.3			30.99	15.12	22.86
18.0	1251	17.0				0.44				8.6	8.3			10.0	0.06	8.3			31.12	15.03	22.98
18.0	1251	18.0				0.46				8.7	8.3			10.3	0.07	8.3			31.25	14.94	23.10
18.0	1251	19.0				0.48				8.7	8.4			10.5	0.07	8.4			31.35	14.87	23.19
18.0	1251	20.0				0.49				8.7	8.4			10.3	0.07	8.4			31.43	14.82	23.26
18.0	1251	21.0				0.50				8.8	8.4			10.5	0.07	8.4			31.51	14.78	23.33
18.0	1251	22.0				0.51				8.8	8.4			11.0	0.09	8.4			31.62	14.71	23.43
18.0	1251	23.0				0.51				8.8	8.4			10.9	0.08	8.4			31.64	14.71	23.44
18.0	1251	24.0				0.50				8.9	8.5			10.9	0.08	8.5			31.67	14.69	23.47
18.0	1251	25.0				0.50				8.9	8.5			10.1	0.06	8.5			31.70	14.67	23.50
18.0	1251	26.0				0.50				8.9	8.5			9.6	0.05	8.5			31.71	14.66	23.51
18.0	1251	27.0				0.50				9.0	8.5			8.6	0.03	8.5			31.75	14.64	23.55
18.0	1251	28.0				0.51				9.0	8.5			8.6	0.03	8.5			31.75	14.63	23.55
18.0	1251	29.0				0.50				9.0	8.5			8.0	0.01	8.5			31.76	14.63	23.56
18.0	1251	30.0				0.49				9.0	8.5			8.2	0.01	8.5			31.78	14.62	23.57
18.0	1251	31.0				0.50				9.0	8.5			8.2	0.01	8.5			31.78	14.62	23.58
18.0	1251	32.0				0.51				9.0	8.5			7.9	0.01	8.5			31.79	14.61	23.58
18.0	1251	33.0				0.56				9.0	8.5			8.0	0.01	8.5			31.79	14.61	23.58
18.0	1251	34.0				0.57				9.0	8.6			8.1	0.01	8.6			31.79	14.61	23.58
18.0	1251	35.0				0.53				9.0	8.6			8.3	0.02	8.6			31.79	14.61	23.58
18.0	1251	36.0				1.27				9.1	8.6			8.4	0.02	8.6			31.79	14.61	23.58

LOCATION: North San Francisco Bay
 DATE: July 13, 1993
 JULIAN DAY: 93194
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1251	37.0				1.53				9.1	8.6			8.35	331.2			31.79	14.61	23.58	
											n	r ²	Slope		Inter.	Std. Err.					
											8	0.862	38.762	7.636	3.862						
											5	0.923	0.589	3.232	0.067						

OBS Calibration:
 Dissolved Oxygen Calibration:

LOCATION: South San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
36.0	0657	1.0			0.42			6.8	6.5	7.3			26.9	27.5	0.32		27.5	2.2	26.06	21.17	17.66
36.0	0657	2.0			0.42				6.5	7.3				29.8	0.35		29.8		26.29	21.35	17.79
36.0	0657	3.0			0.42				6.5	7.3				33.9	0.41		33.9		26.33	21.36	17.82
36.0	0657	4.0			0.43				6.5	7.2				36.9	0.45		36.9		26.36	21.36	17.84
36.0	0657	5.0			0.43				6.5	7.2				38.5	0.47		38.5		26.35	21.35	17.84
36.0	0657	6.0			0.44				6.5	7.3				40.1	0.49		40.1		26.36	21.35	17.84
36.0	0657	7.0			0.43				6.5	7.2				41.0	0.51		41.0		26.38	21.35	17.85
36.0	0657	8.0			0.29				6.4	7.2				41.5	0.51		41.5		26.39	21.37	17.86
36.0	0657	9.0			0.24									4.8	0.00		4.8		0.00	-9.00	0.00
35.0	0708	1.0			0.42				6.3	7.0				26.8	0.31		26.8	2.0	26.46	21.11	17.98
35.0	0708	2.0			0.42				6.3	7.1				26.2	0.30		26.2		26.47	21.13	17.98
35.0	0708	3.0			0.42				6.3	7.1				27.0	0.31		27.0		26.52	21.16	18.01
35.0	0708	4.0			0.42				6.3	7.1				27.7	0.32		27.7		26.57	21.17	18.04
35.0	0708	5.0			0.43				6.3	7.1				28.4	0.33		28.4		26.59	21.17	18.06
35.0	0708	6.0			0.44				6.4	7.1				28.8	0.34		28.8		26.61	21.15	18.08
35.0	0708	7.0			0.44				6.4	7.1				28.4	0.33		28.4		26.65	21.12	18.12
35.0	0708	8.0			0.44				6.4	7.1				27.8	0.32		27.8		26.70	21.10	18.16
35.0	0708	9.0			0.44				6.4	7.1				27.4	0.32		27.4		26.73	21.12	18.18
34.0	0719	1.0			0.44				6.7	7.5			31.8	30.6	0.36		30.6	2.3	27.09	21.06	18.47
34.0	0719	2.0			0.44				6.7	7.5				30.5	0.36		30.5		27.09	21.07	18.47
34.0	0719	3.0			0.45				6.7	7.5				30.5	0.36		30.5		27.09	21.07	18.47
34.0	0719	4.0			0.46				6.7	7.5				30.8	0.36		30.8		27.09	21.06	18.47
34.0	0719	5.0			0.46				6.7	7.5				30.9	0.37		30.9		27.09	21.06	18.47
34.0	0719	6.0			0.46				6.8	7.6				30.8	0.36		30.8		27.07	21.02	18.46
34.0	0719	7.0			0.46				6.8	7.6				30.3	0.36		30.3		27.13	21.17	18.47
34.0	0719	8.0			0.31				6.6	7.4				31.1	0.37		31.1		27.15	21.20	18.48
34.0	0719	9.0			0.26									4.8	0.00		4.8		0.00	-9.00	0.00

LOCATION: South San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
33.0	0735	1.0			0.44		5.9	6.6		6.6		6.6		17.8	0.18	17.8		1.7	26.38	21.15	17.91
33.0	0735	2.0			0.44		6.0	6.7		6.7		6.7		17.5	0.18	17.5			26.32	21.15	17.86
33.0	0735	3.0			0.44		6.2	6.9		6.9		6.9		17.2	0.17	17.2			26.36	21.15	17.89
33.0	0735	4.0			0.44		6.4	7.1		7.1		7.1		17.0	0.17	17.0			26.41	21.17	17.92
33.0	0735	5.0			0.44		6.4	7.2		7.2		7.2		17.4	0.18	17.4			26.42	21.16	17.94
33.0	0735	6.0			0.45		6.4	7.2		7.2		7.2		17.9	0.18	17.9			26.44	21.17	17.95
33.0	0735	7.0			0.46		6.5	7.2		7.2		7.2		18.5	0.19	18.5			26.44	21.17	17.95
33.0	0735	8.0			0.47		6.5	7.2		7.2		7.2		18.8	0.19	18.8			26.45	21.17	17.96
33.0	0735	9.0			0.47		6.5	7.2		7.2		7.2		19.0	0.20	19.0			26.46	21.15	17.97
33.0	0735	10.0			0.47		6.5	7.3		7.3		7.3		19.9	0.21	19.9			26.49	21.14	18.00
33.0	0735	11.0			0.47		6.5	7.3		7.3		7.3		20.4	0.22	20.4			26.50	21.13	18.01
33.0	0735	12.0			0.46		6.5	7.3		7.3		7.3		20.6	0.22	20.6			26.51	21.10	18.02
33.0	0735	13.0			0.46		6.5	7.2		7.2		7.2		21.0	0.23	21.0			26.54	21.04	18.06
32.0	0745	1.0			0.47		6.4	7.2	7.1	7.2		7.2	15.3	14.3	0.13	14.3		1.4	26.57	21.25	18.02
32.0	0745	2.0			0.47		6.5	7.2		7.2		7.2		14.4	0.13	14.4			26.57	21.25	18.02
32.0	0745	3.0			0.46		6.5	7.2		7.2		7.2		14.3	0.13	14.3			26.57	21.24	18.02
32.0	0745	4.0			0.46		6.5	7.2		7.2		7.2		14.2	0.13	14.2			26.57	21.24	18.02
32.0	0745	5.0			0.46		6.5	7.2		7.2		7.2		13.9	0.13	13.9			26.57	21.24	18.03
32.0	0745	6.0			0.47		6.5	7.3		7.3		7.3		13.8	0.13	13.8			26.56	21.25	18.02
32.0	0745	7.0			0.48		6.5	7.3		7.3		7.3		14.0	0.13	14.0			26.56	21.23	18.03
32.0	0745	8.0			0.50		6.5	7.3		7.3		7.3		14.8	0.14	14.8			26.56	21.22	18.03
32.0	0745	9.0			0.50		6.5	7.3		7.3		7.3		16.1	0.16	16.1			26.57	21.22	18.03
32.0	0745	10.0			0.50		6.5	7.3		7.3		7.3		17.0	0.17	17.0			26.57	21.21	18.03
32.0	0745	11.0			0.51		6.5	7.3		7.3		7.3		17.4	0.18	17.4			26.57	21.21	18.04
32.0	0745	12.0			0.51		6.5	7.3		7.3		7.3		17.8	0.18	17.8			26.57	21.20	18.04
32.0	0745	13.0			0.51		6.5	7.3		7.3		7.3		18.5	0.19	18.5			26.58	21.17	18.05
32.0	0745	14.0			0.51		6.5	7.3		7.3		7.3		18.6	0.19	18.6			26.57	21.14	18.05

LOCATION: South San Francisco Bay

DATE: Aug 10, 1993

JULIAN DAY: 93222

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	0800	1.0			0.46			5.8	6.5		0.10	12.0	1.3	26.55	21.36	17.98
31.0	0800	2.0			0.46			6.0	6.7		0.09	11.6		26.57	21.36	18.00
31.0	0800	3.0			0.46			6.1	6.8		0.09	11.4		26.59	21.36	18.02
31.0	0800	4.0			0.46			6.2	6.9		0.09	11.5		26.59	21.36	18.01
31.0	0800	5.0			0.46			6.2	7.0		0.09	11.4		26.58	21.36	18.01
31.0	0800	6.0			0.45			6.3	7.0		0.09	11.4		26.58	21.38	18.00
31.0	0800	7.0			0.45			6.3	7.0		0.09	11.4		26.61	21.44	18.01
31.0	0800	8.0			0.45			6.3	7.0		0.10	11.8		26.64	21.46	18.02
31.0	0800	9.0			0.46			6.3	7.0		0.12	13.2		26.65	21.48	18.03
31.0	0800	10.0			0.45			6.3	7.0		0.13	13.8		26.66	21.48	18.03
31.0	0800	11.0			0.45			6.3	7.1		0.14	14.9		26.67	21.49	18.04
31.0	0800	12.0			0.45			6.3	7.0		0.16	16.3		26.68	21.48	18.05
31.0	0800	13.0			0.45			6.3	7.0		0.17	17.1		26.68	21.46	18.06
31.0	0800	14.0			0.44			6.3	7.0		0.18	17.6		26.68	21.43	18.06
31.0	0800	15.0			0.44			6.3	7.0		0.20	19.0		26.68	21.43	18.06
30.0	0820	1.0			0.42		7.1	6.6	7.3	2.6	0.05	8.4	1.0	26.68	21.39	18.07
30.0	0820	2.0			0.42			6.6	7.3		0.05	8.4		26.68	21.39	18.07
30.0	0820	3.0			0.42			6.6	7.3		0.05	8.4		26.68	21.40	18.07
30.0	0820	4.0			0.42			6.6	7.4		0.05	8.5		26.68	21.40	18.07
30.0	0820	5.0			0.41			6.6	7.4		0.05	8.5		26.68	21.40	18.07
30.0	0820	6.0			0.41			6.6	7.4		0.05	8.7		26.68	21.40	18.07
30.0	0820	7.0			0.42			6.6	7.4		0.05	8.7		26.68	21.41	18.07
30.0	0820	8.0			0.42			6.6	7.4		0.06	8.8		26.68	21.41	18.07
30.0	0820	9.0			0.43			6.6	7.4		0.06	9.0		26.68	21.41	18.07
30.0	0820	10.0			0.44			6.6	7.4		0.06	9.4		26.68	21.41	18.07
30.0	0820	11.0			0.44			6.6	7.4		0.07	9.5		26.68	21.41	18.07
30.0	0820	12.0			0.45			6.6	7.4		0.07	9.6		26.68	21.41	18.07
30.0	0820	13.0			0.45			6.6	7.4		0.07	9.8		26.69	21.41	18.07
30.0	0820	14.0			0.43			6.6	7.4		0.08	10.2		26.69	21.41	18.07
30.0	0820	15.0			0.43			6.6	7.4		0.08	10.5		26.69	21.41	18.08

LOCATION: South San Francisco Bay

DATE: Aug 10, 1993

JULIAN DAY: 93222

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.0	0843	1.0			0.36			6.1	6.8	5.3	0.00	5.0	0.8	26.86	21.31	18.23
29.0	0843	2.0			0.36			6.3	7.0		0.00	4.9		26.86	21.31	18.23
29.0	0843	3.0			0.35			6.3	7.1		-0.00	4.8		26.85	21.31	18.22
29.0	0843	4.0			0.36			6.4	7.1		-0.00	4.7		26.86	21.31	18.23
29.0	0843	5.0			0.35			6.4	7.1		0.00	4.8		26.85	21.32	18.22
29.0	0843	6.0			0.35			6.4	7.1		0.00	4.9		26.87	21.33	18.23
29.0	0843	7.0			0.35			6.4	7.2		0.00	5.2		26.87	21.33	18.23
29.0	0843	8.0			0.35			6.4	7.2		0.01	5.4		26.87	21.34	18.23
29.0	0843	9.0			0.35			6.4	7.2		0.01	5.4		26.87	21.34	18.23
29.0	0843	10.0			0.35			6.4	7.2		0.01	5.4		26.89	21.35	18.25
29.0	0843	11.0			0.36			6.4	7.2		0.01	5.9		26.93	21.35	18.27
29.0	0843	12.0			0.36			6.4	7.2		0.02	6.4		26.95	21.35	18.29
29.0	0843	13.0			0.37			6.4	7.2		0.03	6.8		26.96	21.35	18.30
29.0	0843	14.0			0.39			6.4	7.2		0.03	7.3		26.98	21.33	18.31
29.0	0843	15.0			0.39			6.4	7.2		0.04	7.5		27.03	21.28	18.37
29.0	0843	16.0			0.38			6.4	7.2		0.05	8.6		27.19	21.13	18.53
28.5	0855	1.0			0.35			6.4	7.2		0.02	6.3	0.9	26.85	21.21	18.25
28.5	0855	2.0			0.35			6.5	7.2		0.02	6.2		26.85	21.20	18.25
28.5	0855	3.0			0.35			6.5	7.2		0.03	7.2		26.85	21.21	18.25
28.5	0855	4.0			0.35			6.5	7.2		0.07	10.1		26.85	21.21	18.25
28.5	0855	5.0			0.35			6.5	7.2		0.04	7.8		26.85	21.20	18.25
28.5	0855	6.0			0.34			6.5	7.2		0.01	5.9		26.85	21.21	18.25
28.5	0855	7.0			0.34			6.5	7.2		0.00	5.1		26.87	21.22	18.26
28.5	0855	8.0			0.34			6.5	7.2		0.00	4.9		26.94	21.23	18.31
28.5	0855	9.0			0.34			6.5	7.2		-0.00	4.6		27.01	21.25	18.36
28.5	0855	10.0			0.34			6.5	7.2		0.00	5.0		27.03	21.26	18.37
28.5	0855	11.0			0.34			6.5	7.2		0.01	5.4		27.03	21.27	18.37
28.5	0855	12.0			0.35			6.5	7.2		0.01	5.3		27.05	21.27	18.39
28.5	0855	13.0			0.36			6.5	7.2		0.01	5.5		27.06	21.26	18.39
28.5	0855	14.0			0.37			6.5	7.2		0.01	5.8		27.08	21.24	18.42

LOCATION: South San Francisco Bay

DATE: Aug 10, 1993

JULIAN DAY: 93222

Seabird v4.026

SYN	TIME	DEPTH	DISCR		CHL a/	FLUOR	CALC		DISCR	OXYG	OXYG	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	a+PHA			CHL a	OXYG									
28.5	0855	15.0			0.38					6.4	7.2	0.03			27.17	21.17	18.50
28.5	0855	16.0			0.38					6.5	7.2	0.04			27.19	21.16	18.52
28.0	0928	1.0			0.37					6.4	7.1	0.00		0.8	27.04	21.26	18.38
28.0	0928	2.0			0.38					6.4	7.1	0.00			27.04	21.26	18.38
28.0	0928	3.0			0.38					6.4	7.2	-0.00			27.04	21.25	18.38
28.0	0928	4.0			0.37					6.4	7.2	0.00			27.04	21.25	18.39
28.0	0928	5.0			0.36					6.4	7.2	-0.00			27.06	21.24	18.40
28.0	0928	6.0			0.36					6.4	7.2	-0.00			27.07	21.24	18.40
28.0	0928	7.0			0.36					6.4	7.2	-0.00			27.08	21.24	18.42
28.0	0928	8.0			0.36					6.4	7.2	-0.00			27.11	21.23	18.44
28.0	0928	9.0			0.35					6.4	7.2	-0.00			27.16	21.23	18.48
28.0	0928	10.0			0.35					6.4	7.2	-0.00			27.22	21.22	18.52
28.0	0928	11.0			0.34					6.4	7.2	-0.00			27.23	21.20	18.54
28.0	0928	12.0			0.35					6.4	7.2	-0.01			27.24	21.17	18.56
28.0	0928	13.0			0.35					6.4	7.2	-0.00			27.30	21.10	18.62
28.0	0928	14.0			0.35					6.4	7.1	0.04			27.33	21.07	18.65
28.0	0928	15.0			0.36					6.4	7.1	0.12			27.34	21.06	18.66
28.0	0928	16.0			0.36					6.4	7.1	0.17			27.34	21.05	18.66
27.0	0943	1.0			0.38				7.0	6.5	7.2	-0.00		0.7	27.04	21.29	18.37
27.0	0943	2.0			0.37					6.5	7.3	-0.00			27.03	21.29	18.37
27.0	0943	3.0			0.37					6.5	7.3	-0.00			27.03	21.29	18.37
27.0	0943	4.0			0.37					6.5	7.3	-0.01			27.06	21.29	18.39
27.0	0943	5.0			0.36					6.5	7.2	-0.01			27.17	21.29	18.47
27.0	0943	6.0			0.36					6.5	7.3	-0.00			27.19	21.28	18.49
27.0	0943	7.0			0.36					6.5	7.3	0.00			27.22	21.27	18.51
27.0	0943	8.0			0.36					6.5	7.3	0.00			27.25	21.23	18.55
27.0	0943	9.0			0.36					6.5	7.3	0.00			27.27	21.21	18.57
27.0	0943	10.0			0.36					6.5	7.3	0.01			27.28	21.19	18.58
27.0	0943	11.0			0.37					6.5	7.3	0.03			27.34	21.12	18.65

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JULIAN DAY: 93222

Seabird v4.026

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27.0	0943	12.0			0.37			6.5	7.3		0.08	10.8		27.38	21.08	18.68
26.0	0958	1.0			0.38			6.3	7.1		0.39	32.6	0.6	27.44	20.80	18.80
26.0	0958	2.0			0.38			6.4	7.1		0.02	6.0		27.44	20.81	18.80
26.0	0958	3.0			0.38			6.4	7.1		-.03	3.0		27.44	20.81	18.80
26.0	0958	4.0			0.38			6.4	7.1		-.03	2.9		27.44	20.80	18.81
26.0	0958	5.0			0.38			6.4	7.2		-.03	2.6		27.44	20.80	18.81
26.0	0958	6.0			0.37			6.4	7.2		-.03	2.8		27.44	20.80	18.80
26.0	0958	7.0			0.36			6.4	7.2		-.03	2.7		27.45	20.80	18.81
26.0	0958	8.0			0.35			6.4	7.1		-.03	3.0		27.51	20.74	18.87
26.0	0958	9.0			0.34			6.3	7.1		-.02	3.1		27.69	20.50	19.07
26.0	0958	10.0			0.35			6.3	7.1		-.01	3.8		27.81	20.28	19.21
26.0	0958	11.0			0.35			6.4	7.1		-.01	4.0		27.83	20.25	19.24
25.0	1015	1.0			0.35			6.3	7.0	4.8	-.03	2.5	0.5	27.82	20.08	19.28
25.0	1015	2.0			0.35			6.3	7.0		-.03	2.5		27.82	20.08	19.28
25.0	1015	3.0			0.35			6.3	7.0		-.03	2.5		27.82	20.07	19.28
25.0	1015	4.0			0.35			6.3	7.0		-.03	2.5		27.82	20.07	19.28
25.0	1015	5.0			0.35			6.3	7.0		-.03	2.5		27.83	20.06	19.28
25.0	1015	6.0			0.34			6.3	7.1		-.03	2.7		27.83	20.05	19.29
25.0	1015	7.0			0.32			6.3	7.0		-.03	2.8		27.85	20.03	19.31
25.0	1015	8.0			0.32			6.3	7.0		-.02	3.1		27.86	20.02	19.32
25.0	1015	9.0			0.32			6.3	7.0		-.03	3.0		27.87	20.00	19.33
24.0	1032	1.0			0.32			6.3	7.0	4.1	-.02	3.1	0.5	28.03	19.56	19.57
24.0	1032	2.0			0.32			6.3	7.1		-.03	3.0		28.05	19.56	19.58
24.0	1032	3.0			0.33			6.4	7.1		-.03	3.0		28.04	19.57	19.57
24.0	1032	4.0			0.33			6.4	7.1		-.03	3.0		28.03	19.56	19.57
24.0	1032	5.0			0.33			6.4	7.1		-.03	3.0		28.03	19.56	19.57
24.0	1032	6.0			0.32			6.4	7.1		-.02	3.2		28.02	19.56	19.56
24.0	1032	7.0			0.32			6.4	7.1		-.02	3.2		28.01	19.56	19.55

NO
W

LOCATION: South San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
24.0	1032	8.0			0.32			6.4	7.1		-.02	3.2		27.99	19.56	19.54
24.0	1032	9.0			0.32			6.4	7.1		-.02	3.3		28.00	19.56	19.55
24.0	1032	10.0			0.32			6.4	7.1		-.02	3.3		28.01	19.56	19.55
24.0	1032	11.0			0.32			6.4	7.1		-.02	3.3		28.01	19.56	19.55
23.0	1046	1.0			0.41			6.2	6.9		-.01	3.8	0.7	28.05	19.64	19.57
23.0	1046	2.0			0.41			6.3	7.0		-.02	3.7		28.06	19.64	19.57
23.0	1046	3.0			0.41			6.3	7.1		-.02	3.7		28.06	19.63	19.57
23.0	1046	4.0			0.40			6.4	7.1		-.02	3.6		28.06	19.63	19.57
23.0	1046	5.0			0.40			6.4	7.1		-.02	3.5		28.06	19.63	19.57
23.0	1046	6.0			0.41			6.4	7.2		-.02	3.5		28.06	19.62	19.57
23.0	1046	7.0			0.40			6.4	7.2		-.02	3.3		28.06	19.62	19.57
23.0	1046	8.0			0.38			6.4	7.2		-.02	3.4		28.06	19.61	19.58
23.0	1046	9.0			0.36			6.4	7.2		-.02	3.5		28.06	19.61	19.58
23.0	1046	10.0			0.35			6.4	7.2		-.01	3.9		28.07	19.60	19.58
23.0	1046	11.0			0.35			6.4	7.2		-.01	4.3		28.07	19.60	19.58
23.0	1046	12.0			0.35			6.4	7.2		-.00	4.7		28.07	19.60	19.58
23.0	1046	13.0			0.35			6.4	7.2		0.00	5.0		28.07	19.59	19.59
23.0	1046	14.0			0.35			6.4	7.2		0.00	5.0		28.07	19.58	19.59
23.0	1046	15.0			0.35			6.4	7.2		0.01	5.3		28.07	19.57	19.60
23.0	1046	16.0			0.35			6.4	7.2		0.01	5.3		28.07	19.55	19.60
22.0	1105	1.0			0.47			6.5	7.2	7.6	-.03	2.8	0.7	27.48	18.88	19.31
22.0	1105	2.0			0.49			6.6	7.3		-.03	2.7		27.53	18.88	19.36
22.0	1105	3.0			0.50			6.7	7.4		-.03	2.8		27.57	18.88	19.38
22.0	1105	4.0			0.50			6.7	7.5		-.03	2.6		27.59	18.88	19.40
22.0	1105	5.0			0.50			6.8	7.5		-.03	2.5		27.61	18.88	19.41
22.0	1105	6.0			0.46			6.8	7.5		-.03	2.5		27.69	18.90	19.47
22.0	1105	7.0			0.42			6.8	7.6		-.03	2.6		27.82	18.90	19.57
22.0	1105	8.0			0.39			6.7	7.5		-.03	2.8		27.89	18.90	19.62
22.0	1105	9.0			0.37			6.7	7.5		-.02	3.2		27.96	18.92	19.67

LOCATION: South San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
22.0	1105	10.0			0.35				6.7	7.5		6.7	7.5		-0.2	3.5		28.00	18.92	19.70	
22.0	1105	11.0			0.35				6.7	7.5		6.7	7.5		-0.2	3.7		28.01	18.91	19.71	
22.0	1105	12.0			0.35				6.7	7.5		6.7	7.5		-0.1	3.9		28.02	18.90	19.72	
22.0	1105	13.0			0.35				6.7	7.4		6.7	7.4		-0.1	4.1		28.02	18.90	19.73	
22.0	1105	14.0			0.35				6.7	7.5		6.7	7.5		-0.0	4.5		28.03	18.88	19.73	
22.0	1105	15.0			0.35				6.7	7.4		6.7	7.4		0.00	5.0		28.05	18.86	19.75	
22.0	1105	16.0			0.35				6.7	7.4		6.7	7.4		0.01	5.5		28.05	18.85	19.76	
22.0	1105	17.0			0.36				6.7	7.5		6.7	7.5		0.02	6.0		28.06	18.84	19.77	
22.0	1105	18.0			0.36				6.7	7.4		6.7	7.4		0.02	6.4		28.07	18.84	19.77	
22.0	1105	19.0			0.36				6.7	7.4		6.7	7.4		0.03	6.8		28.07	18.84	19.77	
21.0	1120	1.0			0.49			7.8	6.7	7.4		6.7	7.4	2.7	-0.3	2.9	0.6	27.04	18.68	19.02	
21.0	1120	2.0			0.51				6.7	7.5		6.7	7.5		-0.3	2.6		27.20	18.68	19.15	
21.0	1120	3.0			0.52				6.8	7.6		6.8	7.6		-0.3	2.6		27.19	18.68	19.14	
21.0	1120	4.0			0.54				6.8	7.6		6.8	7.6		-0.3	2.6		27.19	18.67	19.15	
21.0	1120	5.0			0.54				6.8	7.6		6.8	7.6		-0.3	2.5		27.21	18.66	19.16	
21.0	1120	6.0			0.49				6.9	7.7		6.9	7.7		-0.3	2.5		27.37	18.71	19.27	
21.0	1120	7.0			0.44				6.9	7.7		6.9	7.7		-0.3	2.5		27.72	18.91	19.49	
21.0	1120	8.0			0.41				6.8	7.6		6.8	7.6		-0.3	2.5		27.66	18.90	19.60	
21.0	1120	9.0			0.39				6.8	7.5		6.8	7.5		-0.3	2.5		27.89	18.84	19.64	
21.0	1120	10.0			0.37				6.7	7.5		6.7	7.5		-0.3	2.8		27.95	18.81	19.69	
21.0	1120	11.0			0.36				6.7	7.5		6.7	7.5		-0.3	3.0		27.97	18.81	19.71	
21.0	1120	12.0			0.35				6.8	7.5		6.8	7.5		-0.2	3.2		27.99	18.85	19.71	
21.0	1120	13.0			0.35				6.7	7.5		6.7	7.5		-0.2	3.5		28.01	18.85	19.73	
21.0	1120	14.0			0.35				6.7	7.5		6.7	7.5		-0.1	4.0		28.10	18.81	19.80	
21.0	1120	15.0			0.35				6.7	7.5		6.7	7.5		-0.0	4.8		28.17	18.70	19.88	
21.0	1120	16.0			0.35				6.7	7.4		6.7	7.4		0.01	5.7		28.18	18.68	19.89	
21.0	1120	17.0			0.36				6.7	7.4		6.7	7.4		0.02	6.0		28.18	18.67	19.90	
21.0	1120	18.0			0.37				6.7	7.5		6.7	7.5		0.02	6.1		28.18	18.66	19.90	

LOCATION: South San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 SeaBird v4.026

STN TIME DEPTH CHL a CHL a+PHA FLUOR CHL a CALC DISCR OXYG OXYG CALC DISCR OXYG OXYG CALC DISCR SPM OBS SPM CALC SPM EXCOF SALIN TEMP SIGT

	n	r ²	Slope	Inter.	Std. Err.
OBS Calibration:	9	0.956	71.439	4.826	2.488
Dissolved Oxygen Calibration:	11	0.587	1.133	-0.114	0.317

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

LOCATION: North San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
657.0	1900	1.0					13.8		0.14		14.6	1.5	0.06	20.74	0.00
657.0	1900	2.0							0.13		14.3		0.06	20.74	0.00
657.0	1900	3.0							0.14		14.4		0.06	20.73	0.00
657.0	1900	4.0							0.14		14.5		0.06	20.74	0.00
657.0	1900	5.0							0.14		14.6		0.06	20.74	0.00
657.0	1900	6.0							0.14		14.9		0.06	20.74	0.00
657.0	1900	7.0							0.14		14.9		0.06	20.75	0.00
657.0	1900	8.0							0.14		14.9		0.06	20.75	0.00
657.0	1900	9.0							0.15		15.0		0.06	20.76	0.00
657.0	1900	10.0							0.15		15.2		0.06	20.76	0.00
657.0	1900	11.0							0.15		15.4		0.06	20.76	0.00
653.0	1835	1.0			0.32		18.1		0.17		16.4	1.6	0.06	20.78	0.00
653.0	1835	2.0			0.32				0.16		15.7		0.06	20.78	0.00
653.0	1835	3.0			0.32				0.16		15.6		0.06	20.78	0.00
653.0	1835	4.0			0.32				0.16		15.7		0.06	20.78	0.00
653.0	1835	5.0			0.32				0.16		15.5		0.06	20.78	0.00
653.0	1835	6.0			0.33				0.16		15.6		0.06	20.78	0.00
653.0	1835	7.0			0.33				0.16		15.6		0.06	20.79	0.00
653.0	1835	8.0			0.33				0.16		15.7		0.06	20.78	0.00
653.0	1835	9.0			0.34				0.16		15.7		0.06	20.78	0.00
653.0	1835	10.0			0.34				0.16		15.6		0.06	20.79	0.00
653.0	1835	11.0			0.34				0.16		15.7		0.06	20.78	0.00
649.0	1800	1.0			0.36		28.7		0.33		25.7	2.1	0.10	20.81	0.00
649.0	1800	2.0			0.36				0.33		25.5		0.10	20.81	0.00
649.0	1800	3.0			0.36				0.33		25.5		0.10	20.81	0.00
649.0	1800	4.0			0.36				0.33		25.8		0.10	20.81	0.00
649.0	1800	5.0			0.37				0.33		25.9		0.10	20.81	0.00
649.0	1800	6.0			0.37				0.34		26.2		0.10	20.81	0.00
649.0	1800	7.0			0.38				0.36		27.3		0.09	20.80	0.00

LOCATION: North San Francisco Bay

DATE: Aug 10, 1993

JULIAN DAY: 93222

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
649.0	1800	8.0		0.38						0.36	27.7		0.09	20.80	0.00
649.0	1800	9.0		0.38						0.36	27.4		0.09	20.81	0.00
649.0	1800	10.0		0.40						0.36	27.3		0.09	20.81	0.00
649.0	1800	11.0		0.41						0.38	28.5		0.09	20.81	0.00
2.0	1748	1.0		0.41						0.66	44.7	3.0	0.22	21.14	0.00
2.0	1748	2.0		0.41						0.61	42.0		0.22	21.13	0.00
2.0	1748	3.0		0.41						0.62	42.3		0.22	21.13	0.00
2.0	1748	4.0		0.42						0.63	43.0		0.22	21.13	0.00
2.0	1748	5.0		0.42						0.62	42.5		0.22	21.13	0.00
2.0	1748	6.0		0.43						0.61	42.2		0.21	21.13	0.00
2.0	1748	7.0		0.43						0.61	42.2		0.22	21.12	0.00
2.0	1748	8.0		0.43						0.62	42.8		0.21	21.12	0.00
2.0	1748	9.0		0.43						0.62	42.3		0.21	21.11	0.00
2.0	1748	10.0		0.43						0.62	42.8		0.21	21.12	0.00
2.0	1748	11.0		0.47						0.64	43.9		0.21	21.12	0.00
2.0	1748	12.0		0.48						0.68	45.9		0.21	21.12	0.00
3.0	1736	1.0		0.41					42.5	0.63	43.4	3.4	0.37	21.08	0.00
3.0	1736	2.0		0.41						0.62	42.7		0.37	21.08	0.00
3.0	1736	3.0		0.41						0.60	41.6		0.34	21.08	0.00
3.0	1736	4.0		0.42						0.58	40.5		0.33	21.09	0.00
3.0	1736	5.0		0.42						0.58	40.2		0.33	21.08	0.00
3.0	1736	6.0		0.43						0.57	39.8		0.33	21.08	0.00
3.0	1736	7.0		0.43						0.58	40.2		0.33	21.07	0.00
3.0	1736	8.0		0.42						0.58	40.5		0.34	21.05	0.00
3.0	1736	9.0		0.42						0.61	42.0		0.35	21.03	0.00
3.0	1736	10.0		0.42						0.62	42.5		0.35	21.00	0.00
3.0	1736	11.0		0.43						0.74	49.7		0.39	20.82	0.00
3.0	1736	12.0		0.45						0.96	62.5		0.48	20.72	0.00
3.0	1736	13.0		0.46						1.03	66.7		0.52	20.72	0.00

LOCATION: North San Francisco Bay
 DATE: Aug 10, 1993
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 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	DISCR	CHL a	OXYG	DISCR	OXYG	CALC	OXYG	DISCR	SPH	OBS	CALC	SPH	EXCOF	SALIN	TEMP	SIGT
3.0	1736	14.0			0.45							1.10	70.2		70.2	1.10	70.2		0.54	20.72	0.00	
4.0	1714	1.0			0.39					47.3		0.67	45.6		45.6	0.67	45.6	4.1	0.56	20.94	0.00	
4.0	1714	2.0			0.39							0.69	46.9		46.9	0.69	46.9		0.56	20.93	0.00	
4.0	1714	3.0			0.39							0.67	45.7		45.7	0.67	45.7		0.56	20.93	0.00	
4.0	1714	4.0			0.40							0.68	45.8		45.8	0.68	45.8		0.56	20.93	0.00	
4.0	1714	5.0			0.40							0.68	46.0		46.0	0.68	46.0		0.56	20.93	0.00	
4.0	1714	6.0			0.40							0.68	46.1		46.1	0.68	46.1		0.56	20.93	0.00	
4.0	1714	7.0			0.40							0.68	45.8		45.8	0.68	45.8		0.56	20.93	0.00	
4.0	1714	8.0			0.40							0.68	46.2		46.2	0.68	46.2		0.56	20.93	0.00	
4.0	1714	9.0			0.40							0.68	46.1		46.1	0.68	46.1		0.56	20.94	0.00	
4.0	1714	10.0			0.41							0.69	46.5		46.5	0.69	46.5		0.56	20.97	0.00	
4.0	1714	11.0			0.41							0.74	49.4		49.4	0.74	49.4		0.60	20.99	0.00	
4.0	1714	12.0			0.42							0.77	51.4		51.4	0.77	51.4		0.62	20.99	0.00	
4.0	1714	13.0			0.42							0.76	50.7		50.7	0.76	50.7		0.62	20.99	0.00	
4.0	1714	14.0			0.43							0.83	55.0		55.0	0.83	55.0		0.62	21.00	0.00	
4.0	1714	15.0			0.45							1.03	66.3		66.3	1.03	66.3		0.68	21.00	0.00	
4.0	1714	16.0			0.47							1.11	70.8		70.8	1.11	70.8		0.69	21.01	0.00	
4.0	1714	17.0			0.47							1.45	90.7		90.7	1.45	90.7		0.77	21.01	0.00	
5.0	1653	1.0			0.37				7.0	7.9		0.65	44.5		44.5	0.65	44.5	4.0	1.01	21.07	0.00	
5.0	1653	2.0			0.37				7.2	8.0		0.61	41.9		41.9	0.61	41.9		1.01	21.08	0.00	
5.0	1653	3.0			0.38				7.1	7.9		0.62	42.3		42.3	0.62	42.3		1.00	21.07	0.00	
5.0	1653	4.0			0.38				7.2	8.0		0.63	43.1		43.1	0.63	43.1		1.00	21.07	0.00	
5.0	1653	5.0			0.39				7.2	8.1		0.62	42.7		42.7	0.62	42.7		1.01	21.07	0.00	
5.0	1653	6.0			0.38				7.7	8.6		0.65	44.1		44.1	0.65	44.1		1.00	21.07	0.00	
5.0	1653	7.0			0.37				7.8	8.7		0.60	41.1		41.1	0.60	41.1		1.21	21.03	0.00	
5.0	1653	8.0			0.36				7.7	8.6		0.61	41.9		41.9	0.61	41.9		1.49	20.95	0.00	
5.0	1653	9.0			0.35				7.7	8.6		0.57	40.0		40.0	0.57	40.0		1.56	20.92	0.00	
5.0	1653	10.0			0.35				7.7	8.6		0.62	42.7		42.7	0.62	42.7		1.62	20.91	0.00	
5.0	1653	11.0			0.35				7.7	8.6		0.58	40.2		40.2	0.58	40.2		1.76	20.92	0.00	

LOCATION: North San Francisco Bay

DATE: Aug 10, 1993

JULIAN DAY: 93222

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
5.0	1653	12.0		0.91				7.7	8.6		0.63	43.1		1.96	20.94	0.00
5.0	1653	13.0		1.10				7.7	8.6		0.74	49.3		1.92	20.94	0.00
6.0	1633	1.0		0.36			8.5	7.2	8.0	29.1	0.41	30.3	2.6	3.03	21.23	0.25
6.0	1633	2.0		0.36				7.0	7.9		0.40	29.8		3.01	21.23	0.23
6.0	1633	3.0		0.36				7.2	8.0		0.40	29.7		2.97	21.22	0.20
6.0	1633	4.0		0.36				7.2	8.1		0.42	30.7		3.02	21.21	0.24
6.0	1633	5.0		0.36				7.3	8.2		0.41	30.1		3.04	21.20	0.26
6.0	1633	6.0		0.35				7.3	8.2		0.41	30.5		3.14	21.17	0.34
6.0	1633	7.0		0.33				7.4	8.3		0.39	29.3		3.43	21.00	0.60
6.0	1633	8.0		0.32				7.4	8.2		0.37	27.7		4.44	20.88	1.39
6.0	1633	9.0		0.31				7.3	8.2		0.42	30.7		5.19	20.85	1.96
6.0	1633	10.0		0.32				7.2	8.0		0.52	36.9		7.26	20.77	3.55
6.0	1633	11.0		0.87				7.1	7.9		0.93	60.7		8.49	20.73	4.48
6.0	1633	12.0		1.05				7.1	8.0		1.20	76.6		8.23	20.75	4.28
7.0	1603	1.0		0.31				7.3	8.2		0.23	19.8	1.9	6.63	21.12	2.99
7.0	1603	2.0		0.31				7.4	8.2		0.23	19.7		6.64	21.12	3.00
7.0	1603	3.0		0.31				7.4	8.3		0.23	19.9		6.64	21.12	3.00
7.0	1603	4.0		0.30				7.5	8.4		0.23	20.1		6.71	20.97	3.09
7.0	1603	5.0		0.29				7.5	8.4		0.20	18.3		7.43	20.65	3.71
7.0	1603	6.0		0.28				7.3	8.2		0.18	17.0		9.55	20.59	5.32
7.0	1603	7.0		0.29				7.2	8.1		0.21	18.5		10.60	20.55	6.12
7.0	1603	8.0		0.29				7.1	8.0		0.23	20.0		11.09	20.53	6.50
7.0	1603	9.0		0.30				7.1	7.9		0.29	23.2		11.79	20.50	7.03
7.0	1603	10.0		0.31				7.1	7.9		0.45	32.9		12.33	20.48	7.44
7.0	1603	11.0		0.32				7.0	7.9		0.83	54.9		12.66	20.47	7.70
7.0	1603	12.0		0.33				7.0	7.9		1.03	66.2		12.77	20.46	7.78
7.0	1603	13.0		0.34				7.0	7.9		0.98	63.6		12.81	20.46	7.81
7.0	1603	14.0		0.34				7.1	7.9		0.83	54.7		12.89	20.46	7.87
7.0	1603	15.0		0.33				7.1	7.9		0.73	48.7		12.94	20.46	7.91

LOCATION: North San Francisco Bay

DATE: Aug 10, 1993

JULIAN DAY: 93222

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
7.0	1603	16.0			0.32			7.1	7.9		0.55	38.7		13.02	20.45	7.98
7.0	1603	17.0			0.32			7.0	7.9		0.42	31.0		13.09	20.45	8.03
8.0	1543	1.0			0.36			7.4	8.2		0.19	17.8	1.6	9.85	20.95	5.46
8.0	1543	2.0			0.36			7.4	8.3		0.19	17.4		9.90	20.90	5.51
8.0	1543	3.0			0.35			7.4	8.3		0.18	17.1		9.92	20.89	5.53
8.0	1543	4.0			0.33			7.4	8.3		0.19	17.5		9.97	20.84	5.58
8.0	1543	5.0			0.31			7.3	8.2		0.19	17.7		10.48	20.60	6.02
8.0	1543	6.0			0.30			7.2	8.0		0.17	16.3		11.98	20.45	7.18
8.0	1543	7.0			0.30			7.1	7.9		0.22	19.5		12.80	20.45	7.81
8.0	1543	8.0			0.30			7.1	7.9		0.25	20.9		13.07	20.44	8.01
8.0	1543	9.0			0.30			7.0	7.8		0.24	20.6		13.44	20.42	8.29
8.0	1543	10.0			0.30			7.0	7.8		0.23	19.8		13.53	20.42	8.37
8.0	1543	11.0			0.31			7.0	7.8		0.22	19.0		13.59	20.41	8.42
8.0	1543	12.0			0.31			7.0	7.8		0.26	21.4		14.68	20.37	9.25
8.0	1543	13.0			0.35			6.9	7.7		0.34	26.1		16.32	20.29	10.51
8.0	1543	14.0			0.45			6.8	7.6		1.74	107.5		17.37	20.20	11.32
8.0	1543	15.0			0.45			6.8	7.6		6.16	365.3		17.57	20.20	11.47
9.0	1525	1.0					8.1	7.6	8.4	19.2	0.22	19.2	2.0	10.50	20.85	5.97
9.0	1525	2.0						7.6	8.5		0.21	18.5		10.52	20.84	5.99
9.0	1525	3.0						7.6	8.4		0.20	18.2		10.63	20.79	6.09
9.0	1525	4.0						7.5	8.4		0.20	18.4		11.06	20.64	6.45
9.0	1525	5.0						7.4	8.3		0.16	15.8		12.20	20.45	7.36
9.0	1525	6.0						7.3	8.1		0.16	15.6		13.27	20.40	8.18
9.0	1525	7.0						7.2	8.1		0.17	16.5		13.65	20.37	8.47
9.0	1525	8.0						7.2	8.0		0.17	16.2		13.96	20.36	8.70
9.0	1525	9.0						7.2	8.0		0.17	16.4		14.24	20.36	8.91
9.0	1525	10.0						7.2	8.0		0.20	18.0		14.70	20.35	9.26
9.0	1525	11.0						7.1	7.9		0.23	19.7		15.41	20.31	9.82
9.0	1525	12.0						7.1	7.9		0.21	18.9		15.78	20.29	10.10

LOCATION: North San Francisco Bay

DATE: Aug 10, 1993

JULIAN DAY: 93222

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OKYG	CALC OKYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
9.0	1525	13.0					7.1	7.9	0.22		19.1		16.50	20.26	10.65
9.0	1525	14.0					7.0	7.9	0.23		20.0		16.90	20.24	10.96
9.0	1525	15.0					7.0	7.9	0.27		22.3		17.09	20.24	11.10
9.0	1525	16.0					7.0	7.9	0.30		24.1		17.28	20.23	11.25
9.0	1525	17.0					7.0	7.8	0.34		26.1		17.62	20.21	11.51
9.0	1525	18.0					7.0	7.8	0.36		27.3		17.75	20.21	11.60
9.0	1525	19.0					7.0	7.8	0.38		28.5		17.88	20.20	11.70
9.0	1525	20.0					7.0	7.8	0.48		34.5		18.07	20.19	11.86
9.0	1525	21.0					7.0	7.8	0.54		37.9		18.40	20.18	12.11
9.0	1525	22.0					7.0	7.8	0.59		41.0		18.57	20.17	12.23
9.0	1525	23.0					7.0	7.8	0.69		46.4		18.74	20.16	12.37
9.0	1525	24.0					7.0	7.8	0.85		55.7		18.84	20.15	12.45
9.0	1525	25.0					7.0	7.8	1.09		69.8		18.86	20.15	12.46
9.0	1525	26.0					6.9	7.8	1.30		81.9		18.93	20.15	12.52
9.0	1525	27.0					6.9	7.8	1.61		100.1		19.03	20.14	12.59
9.0	1525	28.0					6.9	7.7	2.48		150.9		19.09	20.14	12.64
9.0	1525	29.0					6.9	7.8	3.71		222.3		19.09	20.14	12.64
10.0	1500	1.0					7.0	7.8	0.17		16.1	1.5	12.10	20.70	7.22
10.0	1500	2.0					7.2	8.0	0.15		15.2		12.19	20.59	7.31
10.0	1500	3.0					7.4	8.3	0.15		15.4		12.53	20.45	7.61
10.0	1500	4.0					7.4	8.3	0.16		15.6		13.25	20.36	8.17
10.0	1500	5.0					7.4	8.2	0.17		16.1		14.39	20.29	9.05
10.0	1500	6.0					7.2	8.0	0.17		16.1		15.79	20.26	10.11
10.0	1500	7.0					7.1	7.9	0.17		16.4		16.38	20.25	10.56
10.0	1500	8.0					7.0	7.8	0.17		16.4		16.87	20.24	10.93
10.0	1500	9.0					7.0	7.8	0.19		17.4		17.01	20.24	11.04
10.0	1500	10.0					6.9	7.8	0.18		17.0		17.11	20.23	11.12
10.0	1500	11.0					6.9	7.7	0.25		20.9		17.85	20.18	11.69
10.0	1500	12.0					6.9	7.7	0.35		26.8		18.33	20.15	12.06
10.0	1500	13.0					6.9	7.7	0.41		30.2		18.66	20.13	12.31

LOCATION: North San Francisco Bay

DATE: Aug 10, 1993

JULIAN DAY: 93222

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FUDOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	STGT
7.0	1603	16.0			0.32		7.1	7.9		0.55	38.7		13.02	20.45	7.98
7.0	1603	17.0			0.32		7.0	7.9		0.42	31.0		13.09	20.45	8.03
8.0	1543	1.0			0.36		7.4	8.2		0.19	17.8	1.6	9.85	20.95	5.46
8.0	1543	2.0			0.36		7.4	8.3		0.19	17.4		9.90	20.90	5.51
8.0	1543	3.0			0.35		7.4	8.3		0.18	17.1		9.92	20.89	5.53
8.0	1543	4.0			0.33		7.4	8.3		0.19	17.5		9.97	20.84	5.58
8.0	1543	5.0			0.31		7.3	8.2		0.19	17.7		10.48	20.60	6.02
8.0	1543	6.0			0.30		7.2	8.0		0.17	16.3		11.98	20.45	7.18
8.0	1543	7.0			0.30		7.1	7.9		0.22	19.5		12.80	20.45	7.81
8.0	1543	8.0			0.30		7.1	7.9		0.25	20.9		13.07	20.44	8.01
8.0	1543	9.0			0.30		7.0	7.8		0.24	20.6		13.44	20.42	8.29
8.0	1543	10.0			0.30		7.0	7.8		0.23	19.8		13.53	20.42	8.37
8.0	1543	11.0			0.31		7.0	7.8		0.22	19.0		13.59	20.41	8.42
8.0	1543	12.0			0.31		7.0	7.8		0.26	21.4		14.68	20.37	9.25
8.0	1543	13.0			0.35		6.9	7.7		0.34	26.1		16.32	20.29	10.51
8.0	1543	14.0			0.45		6.8	7.6		1.74	107.5		17.37	20.20	11.32
8.0	1543	15.0			0.45		6.8	7.6		6.16	365.3		17.57	20.20	11.47
9.0	1525	1.0					7.6	8.4	8.1	0.22	19.2	2.0	10.50	20.85	5.97
9.0	1525	2.0					7.6	8.5		0.21	18.5		10.52	20.84	5.99
9.0	1525	3.0					7.6	8.4		0.20	18.2		10.63	20.79	6.09
9.0	1525	4.0					7.5	8.4		0.20	18.4		11.06	20.64	6.45
9.0	1525	5.0					7.4	8.3		0.16	15.8		12.20	20.45	7.36
9.0	1525	6.0					7.3	8.1		0.16	15.6		13.27	20.40	8.18
9.0	1525	7.0					7.2	8.1		0.17	16.5		13.65	20.37	8.47
9.0	1525	8.0					7.2	8.0		0.17	16.2		13.96	20.36	8.70
9.0	1525	9.0					7.2	8.0		0.17	16.4		14.24	20.36	8.91
9.0	1525	10.0					7.2	8.0		0.20	18.0		14.70	20.35	9.26
9.0	1525	11.0					7.1	7.9		0.23	19.7		15.41	20.31	9.82
9.0	1525	12.0					7.1	7.9		0.21	18.9		15.78	20.29	10.10

LOCATION: North San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
12.0	1432	1.0			0.34				7.0	7.8		16.7	0.15	15.0		1.3	15.79	20.45	10.07
12.0	1432	2.0			0.34				7.0	7.8			0.11	13.1			16.59	20.17	10.74
12.0	1432	3.0			0.33				6.9	7.7			0.11	13.1			17.21	20.19	11.21
12.0	1432	4.0			0.31				6.8	7.6			0.09	12.0			17.97	20.15	11.79
12.0	1432	5.0			0.31				6.8	7.6			0.08	11.2			18.66	20.09	12.33
12.0	1432	6.0			0.32				6.8	7.6			0.38	28.8			19.31	20.04	12.83
12.0	1432	7.0			0.33				6.7	7.5			0.60	41.4			21.18	19.87	14.29
12.0	1432	8.0			0.32				6.5	7.3			0.35	26.8			23.20	19.63	15.88
12.0	1432	9.0			0.33				6.4	7.1			0.31	24.4			24.54	19.42	16.95
12.0	1432	10.0			0.33				6.4	7.2			1.03	66.4			24.96	19.35	17.28
13.0	1410	1.0						7.9	7.3	8.1		9.2	0.05	9.2		1.0	18.17	20.91	11.76
13.0	1410	2.0							7.3	8.1			0.05	9.3			18.26	20.81	11.85
13.0	1410	3.0							7.1	8.0			0.05	9.3			19.65	19.92	13.11
13.0	1410	4.0							6.9	7.7			0.05	9.2			22.29	19.79	15.15
13.0	1410	5.0							6.7	7.4			0.03	8.3			24.53	19.39	16.95
13.0	1410	6.0							6.6	7.3			0.01	7.3			25.17	19.23	17.47
13.0	1410	7.0							6.6	7.3			0.01	7.2			25.40	19.15	17.67
13.0	1410	8.0							6.6	7.3			0.02	7.8			25.50	19.11	17.75
13.0	1410	9.0							6.6	7.3			0.04	8.7			25.71	19.04	17.93
13.0	1410	10.0							6.6	7.4			0.12	13.3			25.92	18.97	18.11
14.0	1350	1.0			0.47				7.1	7.9		7.8	0.03	8.1		0.9	19.41	20.70	12.74
14.0	1350	2.0			0.48				7.1	7.9			0.03	8.1			19.39	20.69	12.73
14.0	1350	3.0			0.47				7.1	7.9			0.03	8.2			19.94	20.50	13.19
14.0	1350	4.0			0.40				6.9	7.7			0.03	8.2			20.67	20.24	13.81
14.0	1350	5.0			0.34				6.6	7.3			0.03	7.9			24.46	19.38	16.90
14.0	1350	6.0			0.31				6.4	7.2			0.00	6.6			24.93	19.27	17.28
14.0	1350	7.0			0.29				6.4	7.1			-.01	5.7			25.45	19.08	17.72
14.0	1350	8.0			0.28				6.3	7.1			-.02	5.5			25.87	18.94	18.07
14.0	1350	9.0			0.27				6.3	7.1			-.01	5.6			26.04	18.90	18.21

LOCATION: North San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
10.0	1500	14.0					6.8	7.6		0.45	32.6	18.79	20.12	12.42							
10.0	1500	15.0				6.8	7.6		0.52	36.7	19.21	20.08	12.74								
10.0	1500	16.0				6.8	7.6		0.60	41.5	19.43	20.06	12.92								
10.0	1500	17.0				6.8	7.5		0.92	59.7	19.94	20.01	13.32								
10.0	1500	18.0				6.7	7.5		1.35	84.8	20.75	19.93	13.94								
10.0	1500	19.0				6.7	7.4		2.25	137.3	21.32	19.89	14.39								
10.0	1500	20.0				6.6	7.4		2.44	148.6	21.37	19.89	14.43								
10.0	1500	21.0				6.6	7.4		2.74	165.9	21.44	19.89	14.48								
10.0	1500	22.0				6.6	7.4		3.35	201.6	21.45	19.89	14.49								
11.0	1450	1.0				6.8	7.5		0.12	13.6	13.71	20.72	8.44								
11.0	1450	2.0				6.6	7.4		0.13	13.8	13.72	20.48	8.50								
11.0	1450	3.0				6.5	7.3		0.13	13.8	13.81	20.27	8.61								
11.0	1450	4.0				6.5	7.3		0.13	13.9	13.95	20.22	8.73								
11.0	1450	5.0				6.7	7.5		0.13	14.1	14.73	20.20	9.32								
11.0	1450	6.0				6.8	7.6		0.13	14.3	16.01	20.18	10.30								
11.0	1450	7.0				6.9	7.7		0.15	15.4	16.90	20.15	10.98								
11.0	1450	8.0				6.9	7.7		0.16	15.6	17.91	20.09	11.76								
11.0	1450	9.0				6.9	7.7		0.16	16.0	18.82	20.06	12.45								
11.0	1450	10.0				6.7	7.5		0.20	18.3	19.89	20.01	13.28								
11.0	1450	11.0				6.6	7.4		0.22	19.6	20.36	20.00	13.64								
11.0	1450	12.0				6.6	7.3		0.20	18.0	20.68	19.98	13.88								
11.0	1450	13.0				6.6	7.3		0.15	15.3	21.52	19.89	14.54								
11.0	1450	14.0				6.5	7.3		0.52	36.9	22.96	19.70	15.68								
11.0	1450	15.0				6.4	7.2		1.00	64.7	23.40	19.65	16.02								
11.0	1450	16.0				6.4	7.2		1.36	85.5	23.61	19.62	16.20								
11.0	1450	17.0				6.4	7.1		1.87	115.2	23.87	19.57	16.40								
11.0	1450	18.0				6.4	7.2		2.86	173.2	24.09	19.55	16.58								

LOCATION: North San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
14.0	1350	10.0		0.26				6.3	7.0		-0.2	5.5		26.12	18.87	18.28
14.0	1350	11.0		0.26				6.3	7.0		-0.1	5.7		26.28	18.80	18.42
14.0	1350	12.0		0.26				6.3	7.0		0.00	6.8		26.32	18.78	18.45
14.0	1350	13.0		0.27				6.3	7.0		0.03	7.9		26.34	18.77	18.47
14.0	1350	14.0		0.27				6.3	7.1		0.05	9.3		26.35	18.76	18.48
15.0	1328	1.0		0.43			8.0	6.8	7.6	5.8	0.01	7.2	0.8	20.55	20.44	13.67
15.0	1328	2.0		0.43				7.0	7.8		0.01	6.9		21.03	20.06	14.13
15.0	1328	3.0		0.38				7.1	7.9		0.00	6.7		23.39	19.30	16.10
15.0	1328	4.0		0.34				6.9	7.7		-0.0	6.2		24.85	19.03	17.28
15.0	1328	5.0		0.31				6.7	7.4		-0.1	6.0		25.52	18.93	17.81
15.0	1328	6.0		0.30				6.5	7.3		-0.1	5.8		25.89	18.85	18.11
15.0	1328	7.0		0.29				6.5	7.2		-0.1	5.8		26.34	18.70	18.49
15.0	1328	8.0		0.29				6.4	7.1		-0.1	5.8		26.64	18.59	18.74
15.0	1328	9.0		0.30				6.4	7.1		-0.0	6.4		26.80	18.51	18.88
15.0	1328	10.0		0.30				6.4	7.1		0.01	7.2		26.89	18.48	18.96
15.0	1328	11.0		0.30				6.4	7.1		0.01	6.9		26.99	18.43	19.05
15.0	1328	12.0		0.30				6.4	7.1		0.01	6.8		27.13	18.36	19.17
15.0	1328	13.0		0.31				6.4	7.1		0.00	6.8		27.24	18.31	19.27
15.0	1328	14.0		0.31				6.4	7.1		0.00	6.8		27.45	18.20	19.45
15.0	1328	15.0		0.31				6.4	7.1		0.00	6.5		27.72	18.07	19.69
15.0	1328	16.0		0.32				6.4	7.1		0.00	6.5		27.79	18.04	19.75
15.0	1328	17.0		0.32				6.4	7.2		-0.0	6.4		27.80	18.04	19.76
15.0	1328	18.0		0.32				6.5	7.2		0.01	6.8		27.80	18.03	19.76
15.0	1328	19.0		0.33				6.5	7.2		0.00	6.8		27.82	18.02	19.78
15.0	1328	20.0		0.33				6.5	7.2		0.02	7.7		27.98	17.92	19.93
15.0	1328	21.0		0.33				6.5	7.2		0.04	8.6		28.08	17.88	20.01
15.0	1328	22.0		0.33				6.5	7.2		0.07	10.6		28.13	17.85	20.05
15.0	1328	23.0		0.34				6.5	7.2		0.09	11.4		28.14	17.85	20.06
15.0	1328	24.0		0.34				6.5	7.2		0.09	11.6		28.14	17.84	20.07

LOCATION: North San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
16.0	1301	1.0			0.49			6.4	7.1	5.6	0.01	7.1	0.8	22.26	19.99	15.08
16.0	1301	2.0			0.49			6.4	7.2		0.00	6.8		22.26	19.99	15.08
16.0	1301	3.0			0.48			6.5	7.2		0.00	6.7		22.50	19.89	15.29
16.0	1301	4.0			0.43			6.4	7.2		0.00	6.8		23.69	19.50	16.29
16.0	1301	5.0			0.39			6.3	7.0		0.00	6.6		25.77	18.72	18.05
16.0	1301	6.0			0.36			6.2	6.9		-.01	6.0		25.82	18.75	18.08
16.0	1301	7.0			0.33			6.1	6.8		-.01	5.8		27.14	18.17	19.22
16.0	1301	8.0			0.32			5.9	6.5		0.03	8.0		28.53	17.58	20.42
16.0	1301	9.0			0.32			5.9	6.5		0.05	9.4		28.92	17.44	20.75
16.0	1301	10.0			0.32			5.9	6.6		0.05	9.3		28.99	17.42	20.81
16.0	1301	11.0			0.32			5.9	6.6		0.04	8.9		29.00	17.42	20.82
16.0	1301	12.0			0.32			6.0	6.7		0.04	8.7		29.03	17.40	20.85
16.0	1301	13.0			0.32			6.0	6.7		0.03	8.2		29.08	17.37	20.90
18.0	1157	1.0			0.37		7.7	6.6	7.3	5.2	-.02	5.1	0.6	27.11	18.38	19.15
18.0	1157	2.0			0.37			6.7	7.4		-.03	5.0		27.62	18.17	19.59
18.0	1157	3.0			0.39			6.8	7.6		-.03	4.8		27.90	18.08	19.83
18.0	1157	4.0			0.39			6.8	7.6		-.03	4.9		27.93	18.08	19.85
18.0	1157	5.0			0.39			6.8	7.5		-.03	4.8		27.96	18.07	19.88
18.0	1157	6.0			0.38			6.8	7.6		-.03	4.7		27.96	18.06	19.88
18.0	1157	7.0			0.37			6.8	7.6		-.03	4.8		28.13	17.94	20.03
18.0	1157	8.0			0.36			6.8	7.5		-.02	5.1		28.43	17.82	20.29
18.0	1157	9.0			0.36			6.7	7.5		-.02	5.3		28.47	17.81	20.33
18.0	1157	10.0			0.36			6.7	7.5		-.02	5.2		28.47	17.80	20.33
18.0	1157	11.0			0.36			6.7	7.5		-.02	5.5		28.57	17.76	20.41
18.0	1157	12.0			0.37			6.7	7.5		-.02	5.5		28.69	17.66	20.53
18.0	1157	13.0			0.36			6.7	7.5		-.01	5.9		28.89	17.50	20.71
18.0	1157	14.0			0.36			6.7	7.4		-.00	6.2		29.18	17.28	20.99
18.0	1157	15.0			0.36			6.7	7.4		-.01	6.0		29.31	17.18	21.11
18.0	1157	16.0			0.36			6.7	7.4		-.01	6.0		29.39	17.11	21.19
18.0	1157	17.0			0.36			6.7	7.4		-.01	6.1		29.51	17.00	21.31

LOCATION: North San Francisco Bay
 DATE: Aug 10, 1993
 JULIAN DAY: 93222
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1157	18.0			0.36		6.6	7.4	7.4	6.5	0.00	6.5		29.81	16.78	21.59
18.0	1157	19.0			0.36		6.6	7.4	7.4	6.0	-.01	6.0		29.97	16.66	21.73
18.0	1157	20.0			0.37		6.6	7.4	7.4	5.4	-.02	5.4		30.01	16.60	21.78
18.0	1157	21.0			0.37		6.6	7.4	7.4	4.8	-.03	4.8		30.05	16.56	21.82
18.0	1157	22.0			0.38		6.7	7.4	7.4	4.6	-.03	4.6		30.09	16.52	21.86
18.0	1157	23.0			0.38		6.7	7.4	7.4	4.6	-.03	4.6		30.11	16.50	21.88
18.0	1157	24.0			0.38		6.7	7.5	7.5	4.6	-.03	4.6		30.13	16.49	21.90
18.0	1157	25.0			0.38		6.7	7.5	7.5	4.5	-.03	4.5		30.14	16.48	21.90
18.0	1157	26.0			0.39		6.7	7.5	7.5	4.6	-.03	4.6		30.14	16.48	21.91
18.0	1157	27.0			0.39		6.7	7.5	7.5	4.8	-.03	4.8		30.17	16.47	21.93
18.0	1157	28.0			0.39		6.7	7.5	7.5	5.0	-.03	5.0		30.23	16.47	21.98
18.0	1157	29.0			0.39		6.8	7.5	7.5	4.8	-.03	4.8		30.23	16.47	21.98
18.0	1157	30.0			0.39		6.8	7.6	7.6	5.2	-.02	5.2		30.23	16.47	21.98
18.0	1157	31.0			0.40		6.8	7.6	7.6	5.1	-.02	5.1		30.22	16.47	21.97
18.0	1157	32.0			0.40		6.8	7.6	7.6	5.5	-.02	5.5		30.21	16.46	21.96
18.0	1157	33.0			0.40		6.8	7.6	7.6	5.5	-.02	5.5		30.20	16.47	21.95
18.0	1157	34.0			0.40		6.8	7.6	7.6	5.4	-.02	5.4		30.17	16.47	21.94
18.0	1157	35.0			0.40		6.8	7.6	7.6	5.8	-.01	5.8		30.15	16.46	21.92
18.0	1157	36.0			0.40		6.8	7.6	7.6	6.1	-.01	6.1		30.15	16.46	21.92
18.0	1157	37.0			0.40		6.8	7.6	7.6	6.8	0.00	6.8		30.15	16.46	21.92
18.0	1157	38.0			0.40		6.8	7.6	7.6	6.4	-.00	6.4		30.15	16.45	21.92
18.0	1157	39.0			0.48		6.9	7.7	7.7	6.5	0.00	6.5		30.15	16.45	21.92
18.0	1157	40.0			0.50		6.9	7.7	7.7	7.4	0.02	7.4		30.23	16.45	21.98

..... n r² Slope Inter. Std. Err.
 OBS Calibration: 14 0.989 58.216 6.478 1.578
 Dissolved Oxygen Calibration: 11 0.587 1.133 -0.114 0.317

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

LOCATION: Non-standard stations: San Francisco Bay

DATE: August 11, 1993

JULIAN DAY: 93223

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a													
27.0	1616	1.0			0.44			5.7	6.4			-0.1	5.7	0.8	27.13	21.16	18.47
27.0	1616	2.0			0.43			5.8	6.5			-0.1	5.9		27.14	21.14	18.49
27.0	1616	3.0			0.43			5.9	6.6			-0.1	5.6		27.14	21.13	18.49
27.0	1616	4.0			0.42			5.9	6.6			-0.2	5.4		27.15	21.07	18.52
27.0	1616	5.0			0.40			6.0	6.6			-0.1	5.7		27.16	21.01	18.54
27.0	1616	6.0			0.38			6.0	6.7			-0.1	5.8		27.21	20.90	18.60
27.0	1616	7.0			0.36			6.0	6.7			-0.1	5.9		27.25	20.76	18.67
27.0	1616	8.0			0.34			6.0	6.7			-0.0	6.4		27.28	20.66	18.72
27.0	1616	9.0			0.33			6.0	6.7			0.01	7.0		27.28	20.64	18.72
27.0	1616	10.0			0.33			6.0	6.7			0.01	7.3		27.27	20.64	18.71
27.0	1616	11.0			0.33			6.0	6.7			0.02	7.7		27.26	20.63	18.71
27.0	1616	12.0			0.33			6.0	6.7			0.05	9.1		27.29	20.62	18.74
27.0	1616	13.0			0.34			6.0	6.7			0.07	10.3		27.28	20.61	18.73
27.0	1616	14.0			0.34			6.1	6.7			0.08	10.9		27.26	20.62	18.72
4.0	0755	1.0			0.40							0.65	44.1	3.3	0.21	20.65	0.00
4.0	0755	2.0			0.40							0.64	43.9		0.22	20.67	0.00
4.0	0755	3.0			0.41							0.66	44.8		0.23	20.67	0.00
4.0	0755	4.0			0.42							0.67	45.3		0.23	20.68	0.00
4.0	0755	5.0			0.42							0.69	46.4		0.24	20.68	0.00
4.0	0755	6.0			0.41							0.68	45.8		0.24	20.68	0.00
4.0	0755	7.0			0.41							0.72	48.3		0.24	20.66	0.00
6.0	1004	1.0			0.37			6.6	7.4			0.62	42.7	3.5	3.08	20.67	0.41
6.0	1004	2.0			0.37			6.8	7.6			0.82	54.2		3.19	20.63	0.50
6.0	1004	3.0			0.38			6.8	7.6			1.10	70.6		3.35	20.63	0.62
6.0	1004	4.0			0.39			6.9	7.7			1.25	79.2		3.42	20.64	0.67
6.0	1004	5.0			0.39			7.0	7.8			1.27	80.6		3.43	20.64	0.68
6.0	1004	6.0			0.40			7.0	7.8			1.32	83.4		3.46	20.64	0.70
6.0	1004	7.0			0.40			7.0	7.8			1.34	84.5		3.50	20.65	0.73
6.0	1004	8.0			0.40			7.0	7.9			1.51	94.6		3.66	20.65	0.85

LOCATION: Non-standard stations: San Francisco Bay

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JULIAN DAY: 93223

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPH	OBS	CALC SPH	EXCOF	SALIN	TEMP	SIGT
6.0	1004	9.0			0.41			7.1	7.9		1.94	119.2		3.78	20.66	0.94
8.0	1120	1.0			0.32			6.1	6.8		0.21	18.5	1.7	8.50	20.35	4.58
8.0	1120	2.0			0.31			6.3	7.0		0.18	17.0		8.62	20.16	4.72
8.0	1120	3.0			0.30			6.3	7.1		0.18	17.1		8.94	20.12	4.97
8.0	1120	4.0			0.30			6.4	7.1		0.19	17.4		9.49	20.14	5.38
8.0	1120	5.0			0.29			6.4	7.2		0.19	17.6		9.99	20.10	5.76
8.0	1120	6.0			0.29			6.5	7.2		0.18	17.2		10.43	20.10	6.10
8.0	1120	7.0			0.30			6.5	7.2		0.21	18.7		11.51	20.13	6.90
8.0	1120	8.0			0.31			6.4	7.2		0.28	22.7		12.60	20.15	7.72
8.0	1120	9.0			0.31			6.5	7.2		0.33	25.6		12.72	20.16	7.82
8.0	1120	10.0			0.32			6.5	7.2		0.34	26.2		12.75	20.16	7.84
8.0	1120	11.0			0.32			6.5	7.2		0.35	27.1		12.84	20.17	7.90
8.0	1120	12.0			0.32			6.5	7.2		0.40	29.5		13.24	20.18	8.20
8.0	1120	13.0			0.35			6.5	7.3		0.54	37.7		14.03	20.17	8.81
8.0	1120	14.0			0.42			6.5	7.2		2.24	137.1		14.26	20.17	8.98
8.0	1120	15.0			0.49			6.5	7.3		5.24	311.5		14.16	20.17	8.90
8.0	1120	16.0			0.48			6.5	7.3		6.65	393.7		14.22	20.17	8.95
10.0	1215	1.0			0.33			6.3	7.1		0.16	15.7	1.5	13.72	20.31	8.53
10.0	1215	2.0			0.33			6.5	7.3		0.16	16.0		13.88	20.11	8.70
10.0	1215	3.0			0.32			6.5	7.3		0.17	16.3		14.31	19.95	9.06
10.0	1215	4.0			0.33			6.5	7.3		0.21	18.8		14.58	19.94	9.27
10.0	1215	5.0			0.33			6.5	7.3		0.28	22.6		14.69	19.95	9.35
10.0	1215	6.0			0.34			6.5	7.3		0.31	24.5		14.84	19.96	9.46
10.0	1215	7.0			0.36			6.6	7.3		0.35	26.7		15.40	19.97	9.89
10.0	1215	8.0			0.38			6.6	7.3		0.38	28.5		15.74	19.96	10.15
10.0	1215	9.0			0.38			6.6	7.3		0.41	30.2		16.20	19.96	10.49
10.0	1215	10.0			0.40			6.5	7.3		0.40	29.5		16.88	19.90	11.02
10.0	1215	11.0			0.40			6.6	7.3		0.39	29.4		17.18	19.93	11.25
10.0	1215	12.0			0.42			6.6	7.3		0.37	28.0		17.27	19.95	11.31

LOCATION: Non-standard stations: San Francisco Bay

DATE: August 11, 1993

JULIAN DAY: 93223

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
10.0	1215	13.0		0.45			6.5	7.3	0.54	37.6	18.00	19.99	11.85		
10.0	1215	14.0		0.49			6.5	7.3	1.01	65.6	18.15	19.98	11.97		
10.0	1215	15.0		0.51			6.5	7.3	1.25	79.1	18.16	19.97	11.97		
10.0	1215	16.0		0.51			6.6	7.3	1.48	92.5	18.16	19.97	11.98		
10.0	1215	17.0		0.53			6.6	7.3	1.74	107.7	18.17	19.97	11.98		
10.0	1215	18.0		0.53			6.6	7.3	1.93	118.8	18.20	19.96	12.01		

..... n r² Slope Inter. Std. Err.

OBS Calibration: 14 0.989 58.216 6.478 1.578
 Dissolved Oxygen Calibration: 11 0.587 1.133 -0.114 0.317

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.
 NOTE: OBS Calibration regression calculated from August 10, 1993 North Bay samples

LOCATION: South San Francisco Bay

DATE: September 8, 1993

JULIAN DAY: 93251

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CHL a	DISCR	OKYG	CALC	OKYG	DISCR	OKYG	CALC	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	SPM																
36.0	0722	1.0	1.5	0.74	0.44	2.3	6.6	7.0	6.8	13.5	0.10	13.8	1.4	27.08	21.55	18.33				
36.0	0722	2.0			0.44	2.3		7.1	6.8		0.11	14.4		27.12	21.58	18.36				
36.0	0722	3.0			0.43	2.2		7.1	6.9		0.13	15.7		27.17	21.58	18.39				
36.0	0722	4.0			0.43	2.1		7.1	6.9		0.14	16.1		27.19	21.59	18.41				
36.0	0722	5.0			0.43	2.1		7.2	6.9		0.14	16.4		27.24	21.61	18.44				
36.0	0722	6.0			0.43	2.1		7.2	7.0		0.15	17.0		27.32	21.61	18.50				
36.0	0722	7.0			0.43	2.1		7.2	6.9		0.16	17.7		27.37	21.59	18.54				
36.0	0722	8.0			0.42	2.0		7.1	6.9		0.17	18.4		27.38	21.59	18.55				
36.0	0722	9.0	1.6	0.44	0.42	2.0		7.1	6.9		0.18	18.7		27.37	21.59	18.54				
35.0	0737	1.0			0.44	2.3		5.9	5.4		0.08	12.2	1.3	27.31	21.31	18.57				
35.0	0737	2.0			0.44	2.2		6.2	5.7		0.08	12.2		27.35	21.37	18.59				
35.0	0737	3.0			0.43	2.1		6.3	5.8		0.10	13.7		27.49	21.48	18.66				
35.0	0737	4.0			0.43	2.1		6.3	5.9		0.15	16.6		27.62	21.53	18.74				
35.0	0737	5.0			0.43	2.1		6.3	5.9		0.18	18.8		27.71	21.53	18.82				
35.0	0737	6.0			0.43	2.1		6.4	6.0		0.16	17.7		27.77	21.51	18.87				
35.0	0737	7.0			0.42	2.0		6.4	6.0		0.14	15.9		27.82	21.51	18.90				
35.0	0737	8.0			0.41	1.9		6.4	6.0		0.14	16.1		27.85	21.51	18.93				
35.0	0737	9.0			0.40	1.8		6.4	6.0		0.14	16.0		27.86	21.51	18.93				
35.0	0737	10.0			0.41	1.9		6.3	5.9		0.14	16.0		27.85	21.51	18.92				
34.0	0747	1.0			0.43	2.1		6.9	6.7		0.07	11.9	1.4	27.92	21.50	18.99				
34.0	0747	2.0			0.42	2.0		6.9	6.7		0.08	12.3		27.98	21.56	19.01				
34.0	0747	3.0			0.41	1.9		7.0	6.7		0.10	13.3		28.02	21.52	19.05				
34.0	0747	4.0			0.41	1.9		7.0	6.8		0.10	13.9		28.03	21.49	19.07				
34.0	0747	5.0			0.41	1.9		7.0	6.8		0.10	13.8		28.08	21.51	19.10				
34.0	0747	6.0			0.41	1.9		7.0	6.8		0.11	14.0		28.13	21.52	19.14				
34.0	0747	7.0			0.40	1.8		7.0	6.8		0.12	14.7		28.13	21.51	19.14				
34.0	0747	8.0			0.26	0.3		7.0	6.7		0.12	14.8		28.14	21.52	19.15				
34.0	0747	9.0			0.22	0.0		0.00	7.0		0.00	7.0		0.00	-9.00	0.00				

LOCATION: South San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	0802	1.0			0.40	1.9		7.1	6.9		0.03	9.1	1.3	28.16	21.27	19.23
33.0	0802	2.0			0.40	1.8		7.2	6.9		0.03	8.9		28.18	21.25	19.25
33.0	0802	3.0			0.39	1.7		7.2	7.0		0.03	9.2		28.22	21.22	19.28
33.0	0802	4.0			0.39	1.7		7.2	7.0		0.03	9.2		28.25	21.20	19.32
33.0	0802	5.0			0.39	1.7		7.2	7.0		0.04	9.3		28.27	21.20	19.33
33.0	0802	6.0			0.39	1.7		7.2	7.0		0.04	9.3		28.29	21.19	19.34
33.0	0802	7.0			0.39	1.7		7.2	7.0		0.04	9.5		28.31	21.17	19.36
33.0	0802	8.0			0.40	1.8		7.2	7.0		0.04	9.3		28.34	21.16	19.39
33.0	0802	9.0			0.40	1.8		7.2	7.0		0.04	9.5		28.38	21.19	19.42
33.0	0802	10.0			0.40	1.8		7.2	7.0		0.04	9.6		28.40	21.22	19.42
33.0	0802	11.0			0.40	1.9		7.2	7.0		0.15	16.6		28.42	21.24	19.43
33.0	0802	12.0			0.40	1.9		7.2	7.0		0.10	13.3		28.43	21.25	19.44
33.0	0802	13.0			0.40	1.8		7.2	6.9		0.10	13.6		28.45	21.25	19.45
33.0	0802	14.0			0.40	1.8		7.2	7.0		0.11	14.0		28.46	21.25	19.46
32.0	0822	1.0	1.8	0.77	0.43	2.2	6.9	7.4	7.2	11.9	0.04	9.5	1.2	28.45	21.20	19.47
32.0	0822	2.0			0.42	2.0		7.4	7.2		0.04	9.3		28.50	21.25	19.49
32.0	0822	3.0			0.40	1.8		7.4	7.2		0.04	9.6		28.51	21.25	19.50
32.0	0822	4.0			0.39	1.7		7.4	7.2		0.05	10.0		28.52	21.25	19.51
32.0	0822	5.0			0.38	1.6		7.4	7.2		0.05	10.6		28.53	21.25	19.51
32.0	0822	6.0			0.38	1.6		7.3	7.1		0.05	10.6		28.54	21.27	19.51
32.0	0822	7.0			0.39	1.7		7.3	7.2		0.06	11.1		28.54	21.26	19.52
32.0	0822	8.0			0.39	1.7		7.3	7.1		0.06	11.3		28.54	21.26	19.52
32.0	0822	9.0			0.40	1.8		7.3	7.1		0.06	11.3		28.54	21.26	19.52
32.0	0822	10.0			0.40	1.8		7.3	7.1		0.07	11.5		28.54	21.25	19.52
32.0	0822	11.0			0.41	1.9		7.3	7.0		0.07	11.7		28.54	21.23	19.53
32.0	0822	12.0			0.27	0.4		7.2	7.0		0.08	12.1		28.54	21.22	19.53
32.0	0822	13.0	1.5	0.16	0.22	0.0					0.00	7.0		0.00	-9.00	0.00

LOCATION: South San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	0835	1.0						6.8	6.5		0.06	10.8	1-2	28.54	21.24	19.52
31.0	0835	2.0						6.9	6.6		0.06	10.8		28.54	21.24	19.52
31.0	0835	3.0						6.9	6.6		0.06	11.1		28.56	21.26	19.53
31.0	0835	4.0						6.9	6.6		0.07	11.5		28.58	21.28	19.54
31.0	0835	5.0						6.9	6.6		0.09	12.6		28.58	21.28	19.54
31.0	0835	6.0						6.9	6.6		0.11	14.1		28.58	21.27	19.54
31.0	0835	7.0						6.9	6.6		0.13	15.6		28.57	21.25	19.54
31.0	0835	8.0						6.9	6.6		0.14	15.8		28.58	21.27	19.54
31.0	0835	9.0						6.9	6.6		0.15	16.6		28.58	21.27	19.54
31.0	0835	10.0						6.8	6.6		0.15	17.0		28.58	21.27	19.54
31.0	0835	11.0						6.8	6.5		0.16	17.5		28.58	21.27	19.54
31.0	0835	12.0						6.8	6.5		0.16	17.3		28.58	21.26	19.54
31.0	0835	13.0						6.8	6.5		0.16	17.7		28.58	21.27	19.54
31.0	0835	14.0						6.8	6.5		0.17	18.3		28.58	21.27	19.54
31.0	0835	15.0						6.8	6.5		0.22	21.1		28.58	21.27	19.54
30.0	0855	1.0	1.9	0.90			6.9	7.2	7.0	7.5	0.03	8.7	1.0	28.64	21.11	19.63
30.0	0855	2.0						7.2	7.0		0.10	13.6		28.66	21.08	19.66
30.0	0855	3.0						7.2	6.9		0.06	10.9		28.69	21.04	19.69
30.0	0855	4.0						7.2	6.9		0.06	10.8		28.72	21.01	19.72
30.0	0855	5.0						7.2	6.9		0.06	10.7		28.75	20.98	19.75
30.0	0855	6.0						7.2	6.9		0.06	11.1		28.77	20.96	19.77
30.0	0855	7.0						7.2	6.9		0.06	11.1		28.79	20.94	19.79
30.0	0855	8.0						7.2	6.9		0.06	11.1		28.80	20.93	19.80
30.0	0855	9.0						7.2	6.9		0.07	11.5		28.80	20.92	19.80
30.0	0855	10.0						7.2	6.9		0.06	10.8		28.81	20.94	19.81
30.0	0855	11.0						7.1	6.9		0.06	10.8		28.82	20.96	19.81
30.0	0855	12.0						7.1	6.9		0.07	11.4		28.83	20.96	19.82
30.0	0855	13.0						7.1	6.9		0.07	11.7		28.84	20.97	19.82
30.0	0855	14.0	1.0	0.59				7.1	6.8		0.07	11.7		28.84	20.97	19.82

LOCATION: South San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.5	0907	1.0		1.13	9.8	7.0	6.7	0.01	8.0	1.1	28.79	20.98	19.78			
29.5	0907	2.0		1.11	9.7	7.0	6.7	0.02	8.6		28.82	20.94	19.81			
29.5	0907	3.0		1.10	9.5	7.0	6.7	0.02	8.5		28.82	20.92	19.82			
29.5	0907	4.0		1.12	9.8	7.0	6.7	0.03	8.7		28.82	20.88	19.83			
29.5	0907	5.0		1.13	9.9	7.0	6.7	0.03	9.1		28.83	20.87	19.84			
29.5	0907	6.0		1.13	9.9	7.0	6.7	0.03	9.1		28.83	20.86	19.84			
29.5	0907	7.0		1.12	9.8	7.0	6.7	0.04	9.3		28.84	20.86	19.85			
29.5	0907	8.0		1.13	9.9	7.0	6.7	0.04	9.5		28.84	20.86	19.85			
29.5	0907	9.0		1.14	10.0	7.0	6.7	0.04	9.4		28.84	20.85	19.85			
29.5	0907	10.0		1.14	10.0	7.0	6.7	0.04	9.4		28.84	20.85	19.85			
29.5	0907	11.0		1.14	10.0	7.0	6.7	0.04	9.6		28.84	20.85	19.86			
29.5	0907	12.0		1.13	9.9	7.0	6.7	0.04	9.6		28.85	20.84	19.86			
29.5	0907	13.0		1.13	9.9	7.0	6.7	0.04	9.7		28.85	20.83	19.86			
29.5	0907	14.0		1.13	9.9	6.9	6.7	0.04	9.8		28.86	20.81	19.87			
29.5	0907	15.0		1.14	10.0	6.9	6.7	0.05	10.6		28.86	20.81	19.88			
29.5	0907	16.0		1.14	10.0	6.9	6.6	0.07	11.4		28.86	20.80	19.88			
29.0	0950	1.0		7.1	6.9	7.1	6.9	0.01	7.9	0.9	28.82	21.05	19.78			
29.0	0950	2.0		7.1	6.9	7.1	6.9	0.01	7.6		28.83	20.90	19.83			
29.0	0950	3.0		7.1	6.9	7.1	6.9	0.01	7.8		28.84	20.86	19.85			
29.0	0950	4.0		7.1	6.9	7.1	6.9	0.02	8.3		28.85	20.86	19.86			
29.0	0950	5.0		7.1	6.9	7.1	6.9	0.02	8.5		28.85	20.86	19.86			
29.0	0950	6.0		7.1	6.8	7.1	6.8	0.02	8.4		28.88	20.84	19.89			
29.0	0950	7.0		7.1	6.8	7.1	6.8	0.02	8.3		28.89	20.82	19.90			
29.0	0950	8.0		7.1	6.8	7.1	6.8	0.02	8.4		28.90	20.82	19.91			
29.0	0950	9.0		7.1	6.8	7.1	6.8	0.03	8.7		28.90	20.82	19.91			
29.0	0950	10.0		7.1	6.8	7.1	6.8	0.03	8.7		28.91	20.82	19.91			
29.0	0950	11.0		7.1	6.8	7.1	6.8	0.02	8.6		28.92	20.82	19.92			
29.0	0950	12.0		7.1	6.8	7.1	6.8	0.03	8.7		28.93	20.82	19.93			
29.0	0950	13.0		7.1	6.8	7.1	6.8	0.03	8.9		28.93	20.82	19.93			
29.0	0950	14.0		7.1	6.8	7.1	6.8	0.03	8.9		28.94	20.81	19.94			

LOCATION: South San Francisco Bay

DATE: September 8, 1993

JULIAN DAY: 93251

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	CALC OXYG	DISCR SPM	OBS SPM	EXCOF	SALIN	TEMP	SIGT
29.0	0950	15.0						7.1	6.8		0.04		28.94	20.81	19.94
28.0	1005	1.0						6.9	6.6		0.01	0.8	28.89	21.02	19.84
28.0	1005	2.0						6.9	6.6		0.01		28.89	20.85	19.89
28.0	1005	3.0						6.9	6.6		0.01		28.89	20.77	19.91
28.0	1005	4.0						6.9	6.6		0.02		28.89	20.74	19.92
28.0	1005	5.0						6.9	6.6		0.02		28.96	20.75	19.97
28.0	1005	6.0						6.9	6.6		0.03		29.00	20.68	20.02
28.0	1005	7.0						6.9	6.6		0.03		29.00	20.64	20.03
28.0	1005	8.0						6.9	6.7		0.02		29.01	20.61	20.05
28.0	1005	9.0						6.9	6.7		0.02		29.02	20.59	20.06
28.0	1005	10.0						6.9	6.7		0.02		29.02	20.57	20.06
28.0	1005	11.0						6.9	6.7		0.02		29.03	20.55	20.08
28.0	1005	12.0						6.9	6.7		0.02		29.03	20.54	20.08
28.0	1005	13.0						6.9	6.7		0.03		29.05	20.50	20.10
28.0	1005	14.0						6.9	6.7		0.06		29.05	20.48	20.11
28.0	1005	15.0						6.9	6.7		0.12		29.06	20.47	20.12
28.0	1005	16.0						6.9	6.7		0.16		29.06	20.46	20.12
27.0	1018	1.0	1.3	0.86			7.0	7.2	7.0	6.7	0.01	0.8	29.00	20.79	19.99
27.0	1018	2.0						7.2	7.0		0.02		29.01	20.81	19.99
27.0	1018	3.0						7.2	6.9		0.02		29.00	20.80	19.99
27.0	1018	4.0						7.1	6.9		0.02		29.01	20.77	20.00
27.0	1018	5.0						7.1	6.8		0.02		29.00	20.67	20.02
27.0	1018	6.0						7.1	6.8		0.02		29.00	20.60	20.04
27.0	1018	7.0						7.1	6.8		0.02		29.03	20.58	20.07
27.0	1018	8.0						7.1	6.8		0.03		29.04	20.56	20.08
27.0	1018	9.0						7.1	6.8		0.03		29.04	20.56	20.08
27.0	1018	10.0						7.0	6.8		0.04		29.04	20.56	20.08
27.0	1018	11.0						7.0	6.7		0.03		29.06	20.51	20.11
27.0	1018	12.0						7.0	6.8		0.03		29.09	20.38	20.17

LOCATION: South San Francisco Bay

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Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR		OKYG	CALC OKYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	OKYG														
27.0	1018	13.0	0.9	0.60				7.1	6.8			0.02	8.6		29.11	20.29	20.20	
26.0	1032	1.0			0.40	1.8		7.4	7.2			-.02	5.9	0.6	29.13	20.65	20.13	
26.0	1032	2.0			0.40	1.8		7.4	7.2			-.01	6.3		29.13	20.47	20.17	
26.0	1032	3.0			0.37	1.5		7.3	7.1			-.01	6.3		29.13	20.44	20.18	
26.0	1032	4.0			0.35	1.3		7.3	7.1			0.00	7.2		29.14	20.42	20.19	
26.0	1032	5.0			0.34	1.2		7.3	7.1			0.00	7.3		29.14	20.41	20.20	
26.0	1032	6.0			0.33	1.1		7.3	7.1			0.00	7.2		29.15	20.39	20.21	
26.0	1032	7.0			0.32	1.0		7.3	7.1			-.00	6.9		29.16	20.37	20.22	
26.0	1032	8.0			0.31	0.9		7.3	7.1			-.00	6.8		29.18	20.34	20.25	
26.0	1032	9.0			0.31	0.8		7.2	7.0			-.00	6.8		29.20	20.30	20.27	
26.0	1032	10.0			0.31	0.8		7.3	7.1			0.00	7.3		29.22	20.25	20.30	
26.0	1032	11.0			0.31	0.8		7.3	7.1			0.01	7.7		29.22	20.24	20.30	
25.0	1049	1.0			0.35	1.2		7.3	7.2			-.02	5.8	0.5	29.23	20.12	20.34	
25.0	1049	2.0			0.35	1.2		7.3	7.2			-.02	5.7		29.24	20.09	20.35	
25.0	1049	3.0			0.35	1.2		7.3	7.2			-.02	5.7		29.24	20.09	20.35	
25.0	1049	4.0			0.35	1.2		7.3	7.1			-.02	5.7		29.25	20.09	20.36	
25.0	1049	5.0			0.34	1.1		7.2	7.0			-.02	5.6		29.29	20.00	20.41	
25.0	1049	6.0			0.33	1.0		7.3	7.0			-.02	5.7		29.35	19.89	20.49	
25.0	1049	7.0			0.32	0.9		7.3	7.0			-.02	5.7		29.36	19.88	20.50	
25.0	1049	8.0			0.32	0.9		7.2	7.0			-.02	5.9		29.36	19.88	20.50	
25.0	1049	9.0			0.32	0.9		7.3	7.1			-.02	5.7		29.36	19.88	20.50	
24.0	1105	1.0	1.6	0.89	0.38	1.6		7.6	7.5			-.03	5.1		29.37	20.24	20.41	
24.0	1105	2.0			0.38	1.6		7.5	7.4			-.03	5.0		29.36	20.27	20.40	
24.0	1105	3.0			0.40	1.8		7.4	7.2			-.03	4.9		29.36	20.22	20.41	
24.0	1105	4.0			0.40	1.8		7.3	7.1			-.03	5.0		29.45	19.91	20.56	
24.0	1105	5.0			0.37	1.5		7.2	7.0			-.03	5.0		29.51	19.78	20.64	
24.0	1105	6.0			0.35	1.2		7.2	7.0			-.03	5.1		29.58	19.61	20.73	
24.0	1105	7.0			0.34	1.1		7.2	7.0			-.03	5.3		29.59	19.57	20.75	

LOCATION: South San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
24.0	1105	8.0			0.33	1.0		7.2	7.0		-.03	5.4		29.60	19.54	20.77
24.0	1105	9.0			0.32	0.9		7.2	7.0		-.02	5.7		29.61	19.53	20.77
24.0	1105	10.0			0.32	0.9		7.2	7.0		-.02	5.7		29.61	19.52	20.78
24.0	1105	11.0	0.8	0.62	0.32	0.9		7.3	7.1		-.02	6.0		29.61	19.51	20.78
23.0	1120	1.0			0.45	2.3		7.5	7.3		-.03	5.3		29.55	20.03	20.61
23.0	1120	2.0			0.45	2.3		7.5	7.4		-.03	5.1		29.56	20.01	20.61
23.0	1120	3.0			0.45	2.3		7.5	7.3		-.03	5.2		29.55	20.04	20.60
23.0	1120	4.0			0.46	2.4		7.3	7.1		-.03	5.1		29.56	20.03	20.61
23.0	1120	5.0			0.45	2.3		7.2	7.0		-.03	5.1		29.58	19.78	20.69
23.0	1120	6.0			0.41	1.9		7.2	7.0		-.03	5.1		29.60	19.59	20.75
23.0	1120	7.0			0.38	1.6		7.2	6.9		-.03	5.4		29.63	19.46	20.81
23.0	1120	8.0			0.37	1.4		7.2	7.0		-.02	5.6		29.66	19.33	20.86
23.0	1120	9.0			0.36	1.3		7.2	7.0		-.02	5.6		29.67	19.29	20.88
23.0	1120	10.0			0.35	1.2		7.2	7.0		-.02	5.7		29.67	19.27	20.89
23.0	1120	11.0			0.34	1.2		7.2	7.0		-.01	6.1		29.67	19.26	20.89
23.0	1120	12.0			0.34	1.1		7.2	7.0		-.01	6.3		29.67	19.26	20.89
23.0	1120	13.0			0.34	1.1		7.2	7.0		-.01	6.5		29.67	19.25	20.89
23.0	1120	14.0			0.34	1.1		7.2	7.0		-.00	6.8		29.67	19.25	20.89
23.0	1120	15.0			0.34	1.2		7.2	7.0		-.00	6.9		29.67	19.25	20.90
23.0	1120	16.0			0.34	1.2		7.2	7.0		0.00	7.4		29.67	19.24	20.90
22.0	1138	1.0			0.48	2.7		7.6	7.5		-.03	4.9	0.7	29.12	18.65	20.62
22.0	1138	2.0			0.50	2.9		7.7	7.6		-.04	4.6		29.06	18.70	20.56
22.0	1138	3.0			0.51	3.0		7.7	7.6		-.04	4.6		29.10	18.66	20.60
22.0	1138	4.0			0.48	2.7		7.6	7.5		-.04	4.6		29.27	18.53	20.76
22.0	1138	5.0			0.45	2.3		7.5	7.4		-.04	4.6		29.42	18.55	20.87
22.0	1138	6.0			0.42	2.1		7.5	7.3		-.04	4.8		29.47	18.57	20.91
22.0	1138	7.0			0.41	1.9		7.5	7.3		-.04	4.7		29.50	18.59	20.92
22.0	1138	8.0			0.39	1.7		7.5	7.3		-.04	4.8		29.53	18.60	20.94
22.0	1138	9.0			0.37	1.5		7.4	7.2		-.03	4.8		29.59	18.66	20.98

LOCATION: South San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CHL a	CALC	DISCR	OXYG	CALC	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
22.0	1138	10.0			0.36	1.4			7.3	7.2		-.03	4.9		29.69	18.69	21.04
22.0	1138	11.0			0.36	1.4			7.3	7.1		-.03	5.0		29.70	18.65	21.06
22.0	1138	12.0			0.35	1.3			7.3	7.1		-.03	5.0		29.71	18.60	21.08
22.0	1138	13.0			0.34	1.2			7.3	7.1		-.03	5.0		29.74	18.54	21.12
22.0	1138	14.0			0.34	1.1			7.3	7.1		-.03	5.2		29.80	18.47	21.18
22.0	1138	15.0			0.34	1.2			7.3	7.1		-.03	5.3		29.82	18.45	21.20
22.0	1138	16.0			0.35	1.2			7.3	7.1		-.02	5.5		29.83	18.44	21.21
22.0	1138	17.0			0.35	1.2			7.3	7.1		-.02	5.8		29.85	18.42	21.23
22.0	1138	18.0			0.35	1.2			7.2	7.0		-.01	6.5		29.86	18.42	21.24
22.0	1138	19.0			0.35	1.2			7.3	7.1		-.00	6.7		29.85	18.42	21.24
21.0	1153	1.0	2.0	0.95				7.3	7.5	7.4	3.5	-.03	5.0	0.5	29.67	19.06	20.94
21.0	1153	2.0							7.5	7.3		-.03	5.0		29.67	19.05	20.94
21.0	1153	3.0							7.5	7.3		-.03	5.0		29.67	19.02	20.94
21.0	1153	4.0							7.5	7.3		-.03	5.0		29.67	19.01	20.95
21.0	1153	5.0							7.5	7.3		-.03	5.1		29.68	19.00	20.96
21.0	1153	6.0							7.4	7.3		-.03	5.0		29.68	18.99	20.97
21.0	1153	7.0							7.4	7.3		-.03	5.1		29.68	18.98	20.97
21.0	1153	8.0							7.3	7.2		-.03	5.2		29.69	18.96	20.98
21.0	1153	9.0							7.3	7.1		-.03	5.3		29.70	18.93	21.00
21.0	1153	10.0							7.3	7.1		-.03	5.2		29.75	18.82	21.06
21.0	1153	11.0							7.3	7.2		-.03	5.2		29.77	18.75	21.09
21.0	1153	12.0							7.3	7.1		-.03	5.2		29.79	18.71	21.11
21.0	1153	13.0							7.3	7.1		-.03	5.1		29.80	18.70	21.12
21.0	1153	14.0							7.3	7.1		-.03	5.2		29.83	18.58	21.18
21.0	1153	15.0							7.3	7.1		-.02	5.5		29.84	18.55	21.19
21.0	1153	16.0							7.3	7.1		-.02	5.5		29.86	18.47	21.23
21.0	1153	17.0							7.3	7.1		-.02	5.9		29.89	18.39	21.27
21.0	1153	18.0	1.5	0.79					7.3	7.1		-.01	6.5		29.91	18.37	21.29

LOCATION: South San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
.....														
			n	r ²	Slope	Inter.	Std. Err.							
			7	0.819	11.091	-2.632	0.485							
			6	0.786	65.215	7.040	1.911							
			11	0.735	1.220	-1.798	0.348							

Fluorometer Calibration:
 OBS Calibration:
 Dissolved Oxygen Calibration:

NOTE: Chlorophyll a regression calculated from combined North and South Bay discrete samples and good fluorometer readings.
 NOTE: Dissolved Oxygen Calibration calculated from combined North and South Bay discrete samples

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
657.0	1844	1.0	0.9	0.53	0.31	0.8			10.1	0.10	10.5	1.4	0.09	21.68	0.00
657.0	1844	2.0			0.31	0.8				0.10	10.1		0.09	21.65	0.00
657.0	1844	3.0			0.31	0.8				0.10	10.1		0.09	21.56	0.00
657.0	1844	4.0			0.31	0.8				0.10	10.3		0.09	21.53	0.00
657.0	1844	5.0			0.31	0.8				0.10	10.4		0.09	21.51	0.00
657.0	1844	6.0			0.31	0.9				0.11	10.5		0.09	21.44	0.00
657.0	1844	7.0			0.32	0.9				0.11	10.8		0.09	21.41	0.00
657.0	1844	8.0			0.31	0.8				0.12	11.0		0.09	21.39	0.00
657.0	1844	9.0			0.31	0.8				0.12	11.2		0.09	21.38	0.00
657.0	1844	10.0			0.31	0.8				0.13	11.5		0.09	21.38	0.00
657.0	1844	11.0	0.9	0.47	0.31	0.8				0.13	11.3		0.09	21.38	0.00
653.0	1820	1.0			1.31	11.8				0.16	12.7	1.6	0.09	21.70	0.00
653.0	1820	2.0			1.30	11.8				0.15	12.4		0.09	21.38	0.00
653.0	1820	3.0			1.32	12.0				0.15	12.5		0.09	21.20	0.00
653.0	1820	4.0			1.33	12.1				0.16	12.8		0.09	21.21	0.00
653.0	1820	5.0			1.32	12.1				0.17	13.1		0.09	21.21	0.00
653.0	1820	6.0			1.29	11.6				0.17	13.1		0.09	21.20	0.00
653.0	1820	7.0			1.24	11.1				0.16	13.0		0.09	21.20	0.00
653.0	1820	8.0			1.21	10.8				0.17	13.1		0.09	21.20	0.00
653.0	1820	9.0			1.19	10.6				0.17	13.2		0.09	21.20	0.00
653.0	1820	10.0			1.19	10.6				0.17	13.3		0.09	21.20	0.00
653.0	1820	11.0			1.19	10.6				0.17	13.1		0.09	21.21	0.00
649.0	1754	1.0	1.9	0.73	1.14	10.0			20.6	0.30	18.8	2.1	0.27	22.29	0.00
649.0	1754	2.0			1.13	9.9				0.29	18.4		0.27	22.14	0.00
649.0	1754	3.0			1.13	9.9				0.31	19.1		0.31	21.77	0.00
649.0	1754	4.0			1.14	10.0				0.32	19.9		0.32	21.69	0.00
649.0	1754	5.0			1.16	10.2				0.33	20.1		0.33	21.72	0.00
649.0	1754	6.0			1.16	10.2				0.34	20.3		0.33	21.71	0.00
649.0	1754	7.0			1.15	10.1				0.34	20.6		0.32	21.72	0.00

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 Seabird v4.026

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649.0	1754	8.0			1.14	10.0				0.34	20.8		0.32	21.58	0.00
649.0	1754	9.0			1.13	9.9				0.35	21.1		0.31	21.45	0.00
649.0	1754	10.0			1.12	9.8				0.37	21.9		0.31	21.38	0.00
649.0	1754	11.0	1.8	0.72	1.12	9.8				0.40	23.1		0.31	21.39	0.00
2.0	1737	1.0								0.49	26.7	3.2	0.63	21.55	0.00
2.0	1737	2.0								0.45	25.2		0.65	21.47	0.00
2.0	1737	3.0								0.50	27.3		0.84	21.31	0.00
2.0	1737	4.0								0.58	30.6		0.94	21.27	0.00
2.0	1737	5.0								0.63	32.9		0.96	21.27	0.00
2.0	1737	6.0								0.65	34.0		0.97	21.27	0.00
2.0	1737	7.0								0.67	34.6		0.97	21.27	0.00
2.0	1737	8.0								0.73	37.0		0.97	21.26	0.00
2.0	1737	9.0								0.74	37.6		0.97	21.26	0.00
2.0	1737	10.0								0.74	37.6		0.97	21.26	0.00
2.0	1737	11.0								0.77	38.9		0.97	21.26	0.00
2.0	1737	12.0								0.85	42.3		0.97	21.26	0.00
3.0	1724	1.0	1.7	0.55					24.7	0.49	26.9	2.9	0.88	22.84	0.00
3.0	1724	2.0								0.44	25.0		0.88	22.60	0.00
3.0	1724	3.0								0.46	25.5		0.93	21.85	0.00
3.0	1724	4.0								0.46	25.5		1.00	21.73	0.00
3.0	1724	5.0								0.46	25.8		1.02	21.65	0.00
3.0	1724	6.0								0.47	26.0		1.04	21.60	0.00
3.0	1724	7.0								0.47	26.3		1.10	21.48	0.00
3.0	1724	8.0								0.52	28.1		1.23	21.28	0.00
3.0	1724	9.0								0.69	35.5		1.42	21.15	0.00
3.0	1724	10.0								0.80	40.0		1.45	21.13	0.00
3.0	1724	11.0								0.87	43.3		1.45	21.13	0.00
3.0	1724	12.0	0.5	0.14						0.96	47.1		1.44	21.15	0.00

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 Seabird v4.026

STN	TIME	DEPTH	DISC CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISC OXYG	OXYG	CALC OXYG	DISC SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
4.0	1704	1.0						8.3	8.3		0.45	25.1	3.0	1.36	21.79	0.00
4.0	1704	2.0						8.6	8.7		0.41	23.6		1.68	21.07	0.00
4.0	1704	3.0						8.7	8.8		0.41	23.7		1.81	21.11	0.00
4.0	1704	4.0						8.7	8.9		0.41	23.4		1.92	21.11	0.00
4.0	1704	5.0						8.8	9.0		0.40	23.1		2.02	21.03	0.00
4.0	1704	6.0						8.9	9.0		0.39	22.8		2.24	21.00	0.00
4.0	1704	7.0						8.9	9.0		0.38	22.0		2.75	20.98	0.09
4.0	1704	8.0						8.9	9.0		0.35	21.0		3.08	20.98	0.34
4.0	1704	9.0						8.9	9.0		0.33	20.3		3.47	20.96	0.64
4.0	1704	10.0						8.9	9.0		0.37	22.0		3.52	20.96	0.68
4.0	1704	11.0						8.9	9.0		0.40	23.1		3.77	20.94	0.87
4.0	1704	12.0						8.9	9.0		0.45	25.2		3.77	20.94	0.87
4.0	1704	13.0						8.9	9.0		0.47	26.0		3.80	20.94	0.89
4.0	1704	14.0						8.8	9.0		0.49	26.7		3.82	20.94	0.91
4.0	1704	15.0						8.8	9.0		0.49	27.1		3.82	20.94	0.91
4.0	1704	16.0						8.8	8.9		0.51	27.8		3.86	20.94	0.94
5.0	1648	1.0			0.30	0.7		8.6	8.7		0.29	18.4	2.1	2.77	21.95	0.00
5.0	1648	2.0			0.29	0.6		8.4	8.5		0.29	18.3		2.84	21.72	0.00
5.0	1648	3.0			0.29	0.6		8.5	8.6		0.29	18.5		3.11	21.14	0.32
5.0	1648	4.0			0.28	0.5		8.6	8.7		0.29	18.2		3.35	20.93	0.55
5.0	1648	5.0			0.28	0.5		8.6	8.7		0.28	17.8		5.03	20.88	1.84
5.0	1648	6.0			0.29	0.6		8.6	8.7		0.26	17.3		6.77	20.84	3.16
5.0	1648	7.0			0.30	0.7		8.6	8.7		0.33	19.9		7.46	20.83	3.69
5.0	1648	8.0			0.31	0.8		8.6	8.7		0.61	31.9		7.59	20.83	3.79
5.0	1648	9.0			0.31	0.8		8.6	8.7		0.85	42.4		7.59	20.83	3.79
5.0	1648	10.0			0.31	0.8		8.6	8.7		0.98	48.1		7.60	20.83	3.79
5.0	1648	11.0			0.32	0.9		8.6	8.7		1.08	52.3		7.61	20.83	3.80
5.0	1648	12.0			0.32	1.0		8.6	8.7		1.12	54.1		7.60	20.83	3.80
5.0	1648	13.0			0.32	1.0		8.6	8.7		1.17	56.1		7.61	20.83	3.80

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OKYG	CALC OKYG	DISCR SPM	CALC OKYG	DISCR SPM	OBS	CALC SPM	EKCOF	SALIN	TEMP	SIGT
6.0	1627	1.0	0.8	0.48	0.30	0.7	8.3	8.7	16.1	8.8	16.1	0.19	14.1	1.9	4.70	22.02	1.33
6.0	1627	2.0			0.30	0.7		8.3		8.4		0.18	13.9		4.73	21.79	1.40
6.0	1627	3.0			0.28	0.5		8.5		8.6		0.18	13.8		6.27	20.84	2.78
6.0	1627	4.0			0.27	0.4		8.6		8.7		0.18	13.6		7.01	20.82	3.35
6.0	1627	5.0			0.27	0.4		8.6		8.7		0.17	13.1		7.89	20.78	4.02
6.0	1627	6.0			0.27	0.4		8.5		8.6		0.16	13.0		9.10	20.74	4.94
6.0	1627	7.0			0.27	0.4		8.4		8.5		0.14	12.1		11.09	20.65	6.47
6.0	1627	8.0			0.27	0.4		8.4		8.4		0.19	14.3		11.68	20.61	6.92
6.0	1627	9.0			0.28	0.5		8.4		8.4		0.30	18.7		12.01	20.59	7.17
6.0	1627	10.0			0.28	0.5		8.4		8.4		0.39	22.5		12.09	20.59	7.24
6.0	1627	11.0			0.29	0.6		8.4		8.4		0.44	25.0		12.17	20.58	7.30
6.0	1627	12.0	0.7	0.58	0.29	0.6		8.3		8.4		0.51	27.7		12.16	20.58	7.30
7.0	1605	1.0						8.8		8.9		0.14	11.9	1.4	8.54	21.93	4.24
7.0	1605	2.0						8.1		8.0		0.14	11.8		8.60	21.87	4.31
7.0	1605	3.0						8.0		8.0		0.13	11.7		13.05	20.68	7.95
7.0	1605	4.0						8.1		8.1		0.13	11.3		15.40	20.32	9.80
7.0	1605	5.0						8.2		8.2		0.12	11.1		15.82	20.28	10.13
7.0	1605	6.0						8.2		8.2		0.10	10.3		15.90	20.27	10.20
7.0	1605	7.0						8.2		8.3		0.09	9.6		16.00	20.26	10.27
7.0	1605	8.0						8.2		8.3		0.08	9.6		16.45	20.23	10.62
7.0	1605	9.0						8.2		8.3		0.09	9.8		16.81	20.21	10.90
7.0	1605	10.0						8.2		8.2		0.12	11.3		16.88	20.20	10.95
7.0	1605	11.0						8.2		8.2		0.16	12.7		16.90	20.20	10.97
7.0	1605	12.0						8.2		8.2		0.20	14.6		16.92	20.20	10.98
7.0	1605	13.0						8.2		8.2		0.22	15.6		16.94	20.20	11.00
7.0	1605	14.0						8.2		8.2		0.24	16.3		16.94	20.20	11.00
8.0	1538	1.0			0.36	1.3		8.5		8.6		0.12	11.0	1.4	10.47	22.02	5.67
8.0	1538	2.0			0.32	0.9		8.5		8.6		0.11	10.7		11.16	21.47	6.33
8.0	1538	3.0			0.30	0.7		8.4		8.4		0.08	9.5		11.82	21.19	6.89

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 SeeBird v4.026

STN	TIME	DEPTH	CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
8.0	1538	4.0			0.29	0.6	8.2	8.2		0.08	9.4		12.98	20.88	7.85
8.0	1538	5.0			0.28	0.5	8.2	8.2		0.07	9.0		14.31	20.47	8.94
8.0	1538	6.0			0.27	0.4	8.2	8.2		0.06	8.6		15.05	20.33	9.54
8.0	1538	7.0			0.27	0.4	8.2	8.2		0.06	8.4		15.65	20.29	10.00
8.0	1538	8.0			0.27	0.4	8.2	8.1		0.05	8.4		16.24	20.25	10.45
8.0	1538	9.0			0.28	0.4	8.1	8.1		0.06	8.4		17.50	20.17	11.43
8.0	1538	10.0			0.28	0.5	8.1	8.0		0.05	8.4		18.22	20.12	11.99
8.0	1538	11.0			0.30	0.6	8.0	8.0		0.06	8.5		18.64	20.10	12.31
8.0	1538	12.0			0.31	0.8	8.0	8.0		0.06	8.6		19.62	20.01	13.07
8.0	1538	13.0			0.32	0.9	8.0	8.0		0.15	12.4		19.71	20.00	13.14
8.0	1538	14.0			0.33	1.0	8.0	8.0		0.41	23.7		19.72	20.00	13.15
8.0	1538	15.0			0.33	1.0	8.0	7.9		0.51	27.6		19.71	20.00	13.15
8.0	1538	16.0			0.33	1.0	8.0	8.0		0.60	31.4		19.72	20.00	13.15
9.0	1521	1.0	0.9	0.83	0.30	0.7	8.4	8.5	11.2	0.09	10.0	1.1	11.97	21.46	6.94
9.0	1521	2.0			0.29	0.6	8.2	8.2		0.10	10.1		12.65	21.05	7.55
9.0	1521	3.0			0.29	0.5	8.2	8.2		0.09	10.0		14.10	20.47	8.78
9.0	1521	4.0			0.28	0.5	8.2	8.2		0.11	10.7		15.05	20.35	9.53
9.0	1521	5.0			0.28	0.5	8.2	8.2		0.10	10.5		15.64	20.29	9.99
9.0	1521	6.0			0.28	0.5	8.2	8.2		0.11	10.8		16.00	20.26	10.27
9.0	1521	7.0			0.28	0.5	8.1	8.1		0.10	10.5		17.06	20.19	11.09
9.0	1521	8.0			0.29	0.5	8.1	8.1		0.09	10.0		17.86	20.14	11.71
9.0	1521	9.0			0.29	0.6	8.1	8.1		0.09	9.8		18.09	20.12	11.89
9.0	1521	10.0			0.29	0.6	8.1	8.0		0.09	9.6		18.46	20.09	12.17
9.0	1521	11.0			0.30	0.7	8.0	8.0		0.08	9.5		19.08	20.04	12.65
9.0	1521	12.0			0.30	0.7	8.0	7.9		0.08	9.4		19.38	20.01	12.89
9.0	1521	13.0			0.30	0.7	8.0	7.9		0.08	9.3		19.78	19.97	13.20
9.0	1521	14.0			0.30	0.7	7.9	7.9		0.08	9.3		20.18	19.93	13.51
9.0	1521	15.0	0.9	0.60	0.30	0.7	7.9	7.8		0.07	9.1		20.52	19.89	13.78
9.0	1521	16.0			0.30	0.7	7.9	7.8		0.08	9.2		20.69	19.87	13.92
9.0	1521	17.0			0.31	0.8	7.9	7.8		0.13	11.5		20.80	19.85	14.00

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
9.0	1521	18.0		0.31	0.8	7.9	7.8	7.8	0.19	14.2	20.85		19.84	14.05	
9.0	1521	19.0		0.31	0.8	7.9	7.8	7.8	0.23	15.8	20.90		19.83	14.09	
9.0	1521	20.0		0.32	0.9	7.9	7.8	7.8	0.26	16.9	20.91		19.83	14.10	
9.0	1521	21.0		0.32	0.9	7.9	7.8	7.8	0.29	18.4	20.92		19.83	14.10	
9.0	1521	22.0		0.32	0.9	7.8	7.8	7.8	0.33	20.1	20.91		19.83	14.09	
9.0	1521	23.0		0.32	0.9	7.8	7.8	7.8	0.41	23.4	20.91		19.83	14.09	
9.0	1521	24.0		0.32	1.0	7.8	7.7	7.7	0.43	24.3	20.91		19.83	14.09	
9.0	1521	25.0		0.34	1.1	7.8	7.7	7.7	0.59	31.2	20.95		19.82	14.12	
9.0	1521	26.0		0.36	1.3	7.8	7.7	7.7	1.01	49.4	21.02		19.81	14.18	
9.0	1521	27.0		0.36	1.4	7.8	7.7	7.7	1.25	59.3	21.04		19.81	14.20	
9.0	1521	28.0		0.37	1.5	7.8	7.7	7.7	1.39	65.6	21.06		19.81	14.21	
9.0	1521	29.0		0.38	1.5	7.8	7.7	7.7	1.51	70.5	21.07		19.81	14.22	
9.0	1521	30.0		0.39	1.7	7.8	7.7	7.7	1.56	72.7	21.11		19.80	14.26	
9.0	1521	31.0		0.39	1.7	7.8	7.7	7.7	1.87	85.8	21.16		19.79	14.29	
10.0	1508	1.0		0.31	0.8	8.1	8.1	8.1	0.10	10.4	12.00	0.9	21.34	6.99	
10.0	1508	2.0		0.31	0.8	8.0	8.0	8.0	0.09	9.8	14.25		20.75	8.84	
10.0	1508	3.0		0.29	0.6	8.0	8.0	8.0	0.09	10.0	14.97		20.53	9.43	
10.0	1508	4.0		0.29	0.6	8.0	8.0	8.0	0.08	9.6	15.76		20.34	10.07	
10.0	1508	5.0		0.28	0.5	8.0	7.9	7.9	0.09	9.6	16.42		20.24	10.59	
10.0	1508	6.0		0.28	0.5	7.9	7.8	7.8	0.08	9.4	17.12		20.20	11.13	
10.0	1508	7.0		0.29	0.6	7.8	7.8	7.8	0.06	8.7	18.92		20.02	12.53	
10.0	1508	8.0		0.29	0.6	7.8	7.8	7.8	0.06	8.6	19.64		19.94	13.10	
10.0	1508	9.0		0.29	0.6	7.8	7.7	7.7	0.06	8.7	19.71		19.93	13.16	
10.0	1508	10.0		0.29	0.6	7.8	7.7	7.7	0.06	8.7	19.87		19.91	13.29	
10.0	1508	11.0		0.29	0.6	7.7	7.6	7.6	0.06	8.6	20.90		19.79	14.09	
10.0	1508	12.0		0.30	0.7	7.7	7.5	7.5	0.06	8.6	21.28		19.74	14.40	
10.0	1508	13.0		0.31	0.8	7.6	7.5	7.5	0.06	8.6	21.81		19.66	14.82	
10.0	1508	14.0		0.32	1.0	7.6	7.5	7.5	0.16	12.7	23.34		19.45	16.02	
10.0	1508	15.0		0.34	1.1	7.6	7.5	7.5	0.24	16.3	23.40		19.44	16.08	
10.0	1508	16.0		0.34	1.1	7.6	7.5	7.5	0.26	17.3	23.45		19.43	16.11	

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
10.0	1508	17.0		0.34	1.2	7.6	7.5	7.5	0.29	18.2	23.45	19.43	16.11			
10.0	1508	18.0		0.34	1.2	7.6	7.5	7.5	0.33	20.2	23.44	19.44	16.11			
10.0	1508	19.0		0.35	1.2	7.6	7.5	7.5	0.36	21.4	23.45	19.44	16.11			
10.0	1508	20.0		0.35	1.2	7.6	7.5	7.5	0.35	21.0	23.45	19.44	16.11			
11.0	1447	1.0				8.1	8.0	8.0	0.04	7.5	14.12	21.42	8.57			
11.0	1447	2.0				7.8	7.7	7.7	0.04	7.5	15.25	20.98	9.53			
11.0	1447	3.0				7.7	7.6	7.6	0.04	7.5	18.25	20.18	11.99			
11.0	1447	4.0				7.7	7.6	7.6	0.03	7.4	19.74	19.95	13.18			
11.0	1447	5.0				7.7	7.6	7.6	0.02	7.0	20.97	19.77	14.15			
11.0	1447	6.0				7.7	7.6	7.6	0.02	6.7	22.00	19.64	14.97			
11.0	1447	7.0				7.7	7.6	7.6	0.01	6.6	22.36	19.60	15.24			
11.0	1447	8.0				7.7	7.6	7.6	0.02	6.8	22.83	19.52	15.62			
11.0	1447	9.0				7.6	7.5	7.5	0.03	7.1	23.18	19.45	15.90			
11.0	1447	10.0				7.6	7.4	7.4	0.03	7.3	23.94	19.35	16.50			
11.0	1447	11.0				7.5	7.4	7.4	0.05	7.9	24.85	19.18	17.24			
11.0	1447	12.0				7.5	7.4	7.4	0.08	9.3	25.41	19.10	17.69			
11.0	1447	13.0				7.5	7.4	7.4	0.09	9.8	25.53	19.08	17.78			
11.0	1447	14.0				7.5	7.4	7.4	0.12	11.2	25.60	19.07	17.83			
11.0	1447	15.0				7.5	7.4	7.4	0.11	10.9	25.61	19.07	17.85			
11.0	1447	16.0				7.5	7.4	7.4	0.11	10.7	25.60	19.07	17.84			
11.0	1447	17.0				7.5	7.4	7.4	0.12	11.3	25.61	19.07	17.84			
11.0	1447	18.0				7.5	7.4	7.4	0.11	10.8	25.61	19.07	17.84			
11.0	1447	19.0				7.5	7.4	7.4	0.11	10.9	25.61	19.07	17.84			
11.0	1447	20.0				7.5	7.4	7.4	0.12	11.2	25.61	19.07	17.85			
11.0	1447	21.0				7.5	7.4	7.4	0.13	11.3	25.61	19.07	17.85			
11.0	1447	22.0				7.5	7.4	7.4	0.14	12.1	25.61	19.07	17.85			
12.0	1427	1.0				7.5	7.4	7.4	0.01	6.5	15.01	21.55	9.21			
12.0	1427	2.0				7.9	7.8	7.8	0.01	6.4	19.61	20.14	13.03			
12.0	1427	3.0				8.0	7.9	7.9	0.01	6.3	20.12	20.10	13.43			

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
12.0	1427	4.0						7.8	7.7		0.00	6.0		20.59	20.10	13.78
12.0	1427	5.0						7.7	7.5		-0.1	5.5		23.60	19.60	16.19
12.0	1427	6.0						7.5	7.3		-0.2	5.1		24.83	19.32	17.20
12.0	1427	7.0						7.4	7.3		-0.2	5.2		25.84	19.04	18.02
12.0	1427	8.0						7.5	7.3		0.01	6.5		26.39	18.89	18.48
12.0	1427	9.0						7.5	7.4		0.03	7.4		26.53	18.85	18.59
12.0	1427	10.0						7.6	7.5		0.05	8.0		26.55	18.85	18.61
13.0	1405	1.0	2.0	0.87			8.0	8.0	8.0	4.1	-0.3	4.9	0.5	22.19	20.48	14.91
13.0	1405	2.0						7.8	7.7		-0.2	5.1		22.77	20.04	15.45
13.0	1405	3.0						7.9	7.9		-0.2	5.1		23.64	19.44	16.26
13.0	1405	4.0						7.8	7.7		-0.2	5.1		24.77	19.43	17.12
13.0	1405	5.0						7.6	7.5		-0.2	5.3		26.12	19.12	18.22
13.0	1405	6.0						7.5	7.4		-0.2	5.1		26.81	18.81	18.82
13.0	1405	7.0						7.5	7.4		-0.2	5.1		27.13	18.66	19.10
13.0	1405	8.0						7.5	7.4		-0.1	5.7		27.24	18.62	19.19
13.0	1405	9.0						7.5	7.4		0.01	6.5		27.31	18.60	19.25
13.0	1405	10.0	0.6	0.60				7.6	7.5		0.02	6.7		27.31	18.60	19.25
14.0	1351	1.0						8.6	8.7		-0.2	5.1		22.23	20.56	14.92
14.0	1351	2.0						8.5	8.5		-0.2	5.2		23.97	19.75	16.43
14.0	1351	3.0						8.2	8.2		-0.3	4.8		24.40	19.55	16.81
14.0	1351	4.0						8.0	7.9		-0.3	4.6		24.98	19.33	17.30
14.0	1351	5.0						7.9	7.8		-0.3	4.6		26.12	18.98	18.25
14.0	1351	6.0						7.8	7.8		-0.3	4.7		26.86	18.76	18.87
14.0	1351	7.0						7.8	7.8		-0.3	4.7		27.16	18.66	19.12
14.0	1351	8.0						7.8	7.7		-0.3	4.8		27.21	18.63	19.17
14.0	1351	9.0						7.8	7.7		-0.2	5.0		27.25	18.62	19.20
14.0	1351	10.0						7.8	7.8		-0.3	4.9		27.29	18.61	19.24
14.0	1351	11.0						7.8	7.7		-0.1	5.7		27.38	18.60	19.31
14.0	1351	12.0						7.8	7.7		0.02	6.8		27.42	18.59	19.34

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
14.0	1351	13.0						7.8	7.7		0.03	7.4		27.42	18.59	19.34
14.0	1351	14.0						7.8	7.7		0.05	7.9		27.42	18.59	19.34
14.0	1351	15.0						7.8	7.7		0.08	9.4		27.42	18.59	19.34
15.0	1330	1.0	4.5	0.96			8.4	8.0	8.0	4.5	-.03	4.6		21.70	20.97	14.41
15.0	1330	2.0						7.7	7.6		-.03	4.7		22.34	20.42	15.03
15.0	1330	3.0						7.5	7.3		-.03	4.8		25.17	19.35	17.44
15.0	1330	4.0						7.3	7.1		-.02	5.0		26.18	19.03	18.29
15.0	1330	5.0						7.4	7.2		-.02	5.1		26.77	18.82	18.79
15.0	1330	6.0						7.3	7.1		-.02	5.1		26.96	18.73	18.96
15.0	1330	7.0						7.3	7.1		-.02	5.2		27.77	18.42	19.64
15.0	1330	8.0						7.4	7.2		-.02	5.1		27.90	18.36	19.76
15.0	1330	9.0						7.4	7.2		-.02	5.2		27.89	18.36	19.75
15.0	1330	10.0						7.3	7.2		-.02	5.1		28.05	18.29	19.89
15.0	1330	11.0						7.4	7.2		-.02	5.2		28.39	18.16	20.18
15.0	1330	12.0						7.4	7.2		-.02	5.1		28.53	18.09	20.30
15.0	1330	13.0						7.4	7.2		-.02	5.2		28.65	18.04	20.41
15.0	1330	14.0						7.4	7.2		-.02	5.2		28.78	17.98	20.52
15.0	1330	15.0						7.4	7.2		-.02	5.3		28.90	17.93	20.63
15.0	1330	16.0						7.4	7.2		-.01	5.4		29.06	17.87	20.76
15.0	1330	17.0						7.4	7.2		-.01	5.4		29.22	17.81	20.90
15.0	1330	18.0						7.4	7.2		-.01	5.5		29.37	17.75	21.02
15.0	1330	19.0						7.4	7.2		-.01	5.7		29.50	17.69	21.14
15.0	1330	20.0						7.4	7.2		0.01	6.3		29.52	17.68	21.16
15.0	1330	21.0						7.4	7.2		0.03	7.1		29.53	17.68	21.16
15.0	1330	22.0						7.4	7.2		0.04	7.7		29.54	17.68	21.17
15.0	1330	23.0						7.4	7.2		0.05	8.1		29.54	17.67	21.18
15.0	1330	24.0						7.4	7.2		0.07	9.0		29.54	17.67	21.18
15.0	1330	25.0						7.4	7.2		0.10	10.3		29.54	17.67	21.18

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
16.0	1304	1.0						8.0	7.9		-.03	4.8	0.8	23.42	20.88	15.73
16.0	1304	2.0						7.6	7.5		-.03	4.8		25.42	19.64	17.56
16.0	1304	3.0						7.6	7.4		-.02	5.0		25.77	19.31	17.91
16.0	1304	4.0						7.4	7.2		-.02	5.0		26.03	19.11	18.16
16.0	1304	5.0						7.1	6.8		-.01	5.7		27.68	18.43	19.58
16.0	1304	6.0						7.0	6.8		0.03	7.2		28.72	18.00	20.47
16.0	1304	7.0						7.1	6.8		0.02	6.8		29.41	17.70	21.07
16.0	1304	8.0						7.1	6.9		0.01	6.4		29.98	17.49	21.55
16.0	1304	9.0						7.2	7.0		-.00	5.8		30.18	17.38	21.73
16.0	1304	10.0						7.2	7.0		0.01	6.3		30.27	17.29	21.82
16.0	1304	11.0						7.3	7.1		0.04	7.9		30.29	17.28	21.84
16.0	1304	12.0						7.3	7.1		0.06	8.7		30.28	17.28	21.83
16.0	1304	13.0						7.3	7.1		0.11	10.6		30.28	17.29	21.83
18.0	1227	1.0	3.8	0.93	0.52	3.2	7.9	8.3	8.3	3.1	-.03	4.6	0.6	29.12	18.07	20.76
18.0	1227	2.0			0.54	3.3		8.2	8.3		-.03	4.6		29.12	18.07	20.76
18.0	1227	3.0			0.56	3.5		8.2	8.2		-.03	4.5		29.15	18.05	20.79
18.0	1227	4.0			0.58	3.8		8.2	8.2		-.03	4.5		29.17	18.04	20.80
18.0	1227	5.0			0.59	3.9		8.1	8.1		-.03	4.6		29.22	18.01	20.85
18.0	1227	6.0			0.57	3.6		8.1	8.1		-.03	4.6		29.38	17.92	20.99
18.0	1227	7.0			0.55	3.4		8.0	8.0		-.03	4.6		29.46	17.88	21.06
18.0	1227	8.0			0.53	3.3		7.9	7.8		-.03	4.7		29.60	17.83	21.19
18.0	1227	9.0			0.50	2.9		7.6	7.4		-.03	4.7		29.87	17.69	21.42
18.0	1227	10.0			0.44	2.3		7.5	7.4		-.03	4.8		30.55	17.11	22.08
18.0	1227	11.0			0.40	1.8		7.6	7.5		-.03	4.7		30.86	16.80	22.39
18.0	1227	12.0			0.38	1.6		7.6	7.5		-.03	4.9		30.92	16.75	22.44
18.0	1227	13.0			0.38	1.5		7.7	7.6		-.03	4.8		30.92	16.74	22.45
18.0	1227	14.0			0.37	1.5		7.7	7.6		-.02	5.0		30.92	16.74	22.45
18.0	1227	15.0			0.37	1.4		7.7	7.5		-.02	5.1		30.93	16.72	22.46
18.0	1227	16.0			0.37	1.4		7.6	7.5		-.02	5.1		30.96	16.70	22.49
18.0	1227	17.0			0.37	1.5		7.6	7.4		-.02	5.0		30.99	16.67	22.51

LOCATION: North San Francisco Bay
 DATE: September 8, 1993
 JULIAN DAY: 93251
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1227	18.0			0.37	1.5	7.6	7.4		-.01	5.4		31.17	16.51	22.69
18.0	1227	19.0			0.38	1.6	7.6	7.4		-.01	5.6		31.21	16.47	22.73
18.0	1227	20.0			0.38	1.6	7.6	7.4		-.01	5.6		31.23	16.45	22.75
18.0	1227	21.0			0.37	1.5	7.6	7.4		-.01	5.6		31.25	16.42	22.77
18.0	1227	22.0			0.38	1.6	7.6	7.4		-.02	5.2		31.26	16.41	22.78
18.0	1227	23.0			0.38	1.6	7.6	7.4		-.01	5.4		31.27	16.40	22.79
18.0	1227	24.0			0.38	1.6	7.6	7.4		-.01	5.5		31.27	16.40	22.79
18.0	1227	25.0			0.39	1.7	7.5	7.4		-.02	5.3		31.27	16.40	22.79
18.0	1227	26.0			0.39	1.7	7.5	7.4		-.02	5.2		31.27	16.40	22.79
18.0	1227	27.0			0.38	1.6	7.5	7.4		-.02	5.2		31.27	16.40	22.80
18.0	1227	28.0			0.39	1.7	7.5	7.4		-.02	5.1		31.27	16.39	22.80
18.0	1227	29.0			0.40	1.8	7.5	7.4		-.02	5.0		31.28	16.39	22.80
18.0	1227	30.0			0.40	1.8	7.5	7.3		-.02	5.0		31.29	16.38	22.81
18.0	1227	31.0			0.39	1.7	7.5	7.3		-.03	4.9		31.31	16.36	22.83
18.0	1227	32.0			0.39	1.7	7.5	7.3		-.02	5.0		31.31	16.36	22.83
18.0	1227	33.0			0.39	1.7	7.4	7.3		-.01	5.4		31.34	16.33	22.86
18.0	1227	34.0			0.39	1.7	7.4	7.3		-.01	5.4		31.37	16.31	22.89
18.0	1227	35.0			0.38	1.6	7.4	7.3		-.01	5.6		31.38	16.30	22.90
18.0	1227	36.0			0.39	1.7	7.4	7.3		-.01	5.5		31.38	16.30	22.90
18.0	1227	37.0			0.40	1.8	7.4	7.3		-.01	5.7		31.38	16.30	22.90

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	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	7	0.819	11.091	-2.632	0.485
OBS Calibration:	8	0.964	42.749	6.002	1.655
Dissolved Oxygen Calibration:	11	0.735	1.220	-1.798	0.348

NOTE: Chlorophyll a regression calculated from combined North and South Bay discrete samples and good fluorometer readings.
NOTE: Dissolved Oxygen Calibration calculated from combined North and South Bay discrete samples

LOCATION: Non-standard stations: San Francisco Bay
 DATE: September 9, 1993
 JULIAN DAY: 93252
 SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
4.0	0759	1.0		0.33	1.0	8.1	8.1	8.1	8.1	29.2	0.54	29.2	2.5	1.17	21.27	0.00
4.0	0759	2.0		0.33	1.0	8.1	8.1	8.1	8.1	28.8	0.53	28.8		1.17	21.27	0.00
4.0	0759	3.0		0.33	1.1	8.1	8.1	8.1	8.1	29.0	0.54	29.0		1.18	21.26	0.00
4.0	0759	4.0		0.33	1.1	8.1	8.1	8.1	8.1	29.3	0.54	29.3		1.20	21.25	0.00
4.0	0759	5.0		0.34	1.1	8.1	8.1	8.1	8.1	31.4	0.59	31.4		1.23	21.20	0.00
4.0	0759	6.0		0.34	1.2	8.1	8.1	8.1	8.1	33.8	0.65	33.8		1.28	21.15	0.00
4.0	0759	7.0		0.35	1.2	8.2	8.1	8.1	8.1	35.4	0.69	35.4		1.30	21.13	0.00
4.0	0759	8.0		0.35	1.3	8.2	8.2	8.2	8.2	42.0	0.84	42.0		1.32	21.11	0.00
4.0	0759	9.0		0.35	1.3	8.2	8.2	8.2	8.2	47.1	0.96	47.1		1.32	21.11	0.00
6.0	0914	1.0				8.4	8.4	8.4	8.4	24.0	0.42	24.0	2.5	6.75	20.78	3.16
6.0	0914	2.0				8.4	8.4	8.4	8.4	23.5	0.41	23.5		6.78	20.78	3.18
6.0	0914	3.0				8.3	8.3	8.3	8.3	23.7	0.41	23.7		6.91	20.77	3.28
6.0	0914	4.0				8.3	8.4	8.4	8.4	24.0	0.42	24.0		6.96	20.72	3.33
6.0	0914	5.0				8.3	8.4	8.4	8.4	23.7	0.41	23.7		7.03	20.71	3.39
6.0	0914	6.0				8.4	8.4	8.4	8.4	23.2	0.40	23.2		7.08	20.70	3.42
6.0	0914	7.0				8.3	8.4	8.4	8.4	23.7	0.41	23.7		7.44	20.75	3.69
6.0	0914	8.0				8.3	8.4	8.4	8.4	24.3	0.43	24.3		7.52	20.75	3.75
6.0	0914	9.0				8.3	8.4	8.4	8.4	23.5	0.41	23.5		7.55	20.75	3.77
6.0	0914	10.0				8.3	8.3	8.3	8.3	23.4	0.41	23.4		7.55	20.75	3.77
8.0	1050	1.0		0.35	1.2	7.3	7.1	7.1	7.1	15.2	0.22	15.2	1.6	12.96	20.33	7.95
8.0	1050	2.0		0.35	1.2	7.3	7.1	7.1	7.1	14.1	0.19	14.1		13.29	20.31	8.21
8.0	1050	3.0		0.33	1.1	7.2	7.0	7.0	7.0	13.3	0.17	13.3		13.54	20.28	8.40
8.0	1050	4.0		0.32	0.9	7.2	7.0	7.0	7.0	14.5	0.20	14.5		13.63	20.25	8.48
8.0	1050	5.0		0.31	0.8	7.1	6.9	6.9	6.9	14.7	0.20	14.7		13.95	20.24	8.73
8.0	1050	6.0		0.31	0.8	7.0	6.7	6.7	6.7	14.6	0.20	14.6		15.16	20.21	9.65
8.0	1050	7.0		0.32	1.0	6.9	6.6	6.6	6.6	16.5	0.25	16.5		17.33	20.11	11.31
8.0	1050	8.0		0.33	1.1	6.9	6.6	6.6	6.6	21.1	0.35	21.1		17.89	20.09	11.74
8.0	1050	9.0		0.34	1.1	6.9	6.6	6.6	6.6	24.8	0.44	24.8		18.04	20.09	11.85
8.0	1050	10.0		0.34	1.1	6.9	6.6	6.6	6.6	26.0	0.47	26.0		18.12	20.09	11.92

LOCATION: Non-standard stations: San Francisco Bay

DATE: September 9, 1993

JULIAN DAY: 93252

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR		CALC OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	OXYG				SPM											
8.0	1050	11.0			0.34	1.1		6.8	6.5	0.51	27.7		18.17	20.09	11.95				
8.0	1050	12.0			0.34	1.1		6.8	6.5	0.58	30.8		18.17	20.09	11.96				
8.0	1050	13.0			0.34	1.1		6.8	6.5	0.65	34.0		18.17	20.09	11.96				
8.0	1050	14.0			0.34	1.1		6.8	6.5	0.70	36.0		18.17	20.10	11.95				
8.0	1050	15.0			0.34	1.1		6.8	6.5	0.79	39.7		18.17	20.10	11.95				
8.0	1050	16.0			0.34	1.1		6.8	6.5	0.86	42.8		18.17	20.10	11.95				
10.0	1152	1.0			0.39	1.7		7.9	7.9	0.08	9.3	1.3	17.78	20.01	11.68				
10.0	1152	2.0			0.38	1.6		7.8	7.7	0.07	9.2		18.09	19.95	11.92				
10.0	1152	3.0			0.36	1.4		7.7	7.6	0.07	9.2		18.60	19.83	12.34				
10.0	1152	4.0			0.35	1.3		7.7	7.6	0.06	8.6		19.05	19.82	12.69				
10.0	1152	5.0			0.35	1.2		7.7	7.5	0.05	8.1		19.31	19.83	12.88				
10.0	1152	6.0			0.35	1.3		7.6	7.5	0.05	8.0		19.52	19.82	13.05				
10.0	1152	7.0			0.35	1.3		7.6	7.5	0.04	7.6		19.65	19.81	13.15				
10.0	1152	8.0			0.35	1.3		7.5	7.4	0.05	7.9		19.96	19.76	13.39				
10.0	1152	9.0			0.35	1.3		7.5	7.4	0.08	9.2		20.12	19.76	13.51				
10.0	1152	10.0			0.36	1.3		7.5	7.3	0.09	9.8		20.19	19.78	13.56				
10.0	1152	11.0			0.36	1.3		7.4	7.3	0.10	10.4		20.37	19.78	13.70				
10.0	1152	12.0			0.35	1.2		7.4	7.3	0.11	10.8		20.59	19.77	13.87				
10.0	1152	13.0			0.35	1.2		7.4	7.2	0.12	11.3		20.72	19.77	13.96				
10.0	1152	14.0			0.34	1.2		7.4	7.2	0.13	11.6		20.75	19.78	13.98				
10.0	1152	15.0			0.34	1.1		7.4	7.2	0.14	11.9		20.77	19.79	13.99				
10.0	1152	16.0			0.34	1.1		7.4	7.2	0.15	12.6		20.77	19.80	14.00				
10.0	1152	17.0			0.34	1.1		7.4	7.2	0.17	13.3		20.78	19.79	14.00				
10.0	1152	18.0			0.34	1.1		7.4	7.2	0.16	12.8		20.78	19.79	14.00				
10.0	1152	19.0			0.34	1.1		7.4	7.2	0.17	13.2		20.78	19.80	14.00				
10.0	1152	20.0			0.33	1.1		7.4	7.2	0.18	13.6		20.78	19.80	14.01				
18.0	1437	1.0			0.53	3.3		7.3	7.1	-.04	4.2	0.6	29.88	17.73	21.42				
18.0	1437	2.0			0.55	3.5		7.2	7.0	-.04	4.4		29.88	17.72	21.42				
18.0	1437	3.0			0.58	3.8		7.2	7.0	-.04	4.4		29.88	17.73	21.42				

LOCATION: Non-standard stations: San Francisco Bay

DATE: September 9, 1993

JULIAN DAY: 93252

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OBS	SPM	CALC	EXCOF	SALIN	TEMP	SIGT
18.0	1437	4.0				0.60	4.1		7.1	6.9						-.04	4.3			29.89	17.71	21.43
18.0	1437	5.0				0.60	4.0		7.1	6.8						-.04	4.3			29.88	17.71	21.43
18.0	1437	6.0				0.59	3.9		7.0	6.8						-.04	4.4			29.89	17.70	21.44
18.0	1437	7.0				0.58	3.8		6.9	6.7						-.04	4.3			29.91	17.69	21.45
18.0	1437	8.0				0.56	3.6		6.9	6.6						-.04	4.3			29.93	17.65	21.48
18.0	1437	9.0				0.53	3.2		6.8	6.4						-.04	4.3			29.98	17.61	21.52
18.0	1437	10.0				0.47	2.6		6.6	6.2						-.04	4.2			30.12	17.40	21.68
18.0	1437	11.0				0.43	2.1		6.6	6.2						-.04	4.2			30.56	16.96	22.12
18.0	1437	12.0				0.40	1.8		6.6	6.2						-.04	4.2			30.77	16.77	22.32
18.0	1437	13.0				0.38	1.6		6.6	6.2						-.04	4.2			30.91	16.65	22.46
18.0	1437	14.0				0.38	1.6		6.6	6.2						-.04	4.2			30.97	16.60	22.51
18.0	1437	15.0				0.38	1.6		6.6	6.2						-.04	4.2			30.99	16.58	22.54
18.0	1437	16.0				0.37	1.5		6.6	6.2						-.04	4.2			31.02	16.56	22.56
18.0	1437	17.0				0.37	1.5		6.6	6.2						-.05	4.1			31.06	16.52	22.60
18.0	1437	18.0				0.37	1.5		6.6	6.2						-.04	4.2			31.08	16.50	22.63
18.0	1437	19.0				0.37	1.5		6.5	6.2						-.04	4.2			31.10	16.48	22.64
18.0	1437	20.0				0.37	1.5		6.5	6.2						-.04	4.2			31.16	16.42	22.70
18.0	1437	21.0				0.37	1.5		6.6	6.2						-.04	4.2			31.20	16.39	22.74
18.0	1437	22.0				0.37	1.5		6.5	6.2						-.04	4.2			31.23	16.36	22.77
18.0	1437	23.0				0.37	1.5		6.5	6.2						-.04	4.2			31.27	16.32	22.81
18.0	1437	24.0				0.38	1.5		6.5	6.2						-.04	4.3			31.30	16.30	22.83
18.0	1437	25.0				0.38	1.6		6.6	6.2						-.04	4.3			31.31	16.28	22.85
18.0	1437	26.0				0.38	1.6		6.6	6.2						-.04	4.4			31.30	16.29	22.84
18.0	1437	27.0				0.39	1.6		6.6	6.2						-.04	4.3			31.29	16.30	22.83
18.0	1437	28.0				0.39	1.7		6.6	6.2						-.04	4.3			31.30	16.30	22.83
18.0	1437	29.0				0.39	1.7		6.6	6.2						-.04	4.2			31.29	16.30	22.83
18.0	1437	30.0				0.38	1.6		6.6	6.2						-.04	4.2			31.29	16.30	22.83
18.0	1437	31.0				0.38	1.6		6.6	6.2						-.04	4.3			31.31	16.28	22.85
18.0	1437	32.0				0.38	1.6		6.6	6.2						-.04	4.3			31.32	16.26	22.86
18.0	1437	33.0				0.38	1.6		6.6	6.2						-.04	4.3			31.33	16.25	22.88
18.0	1437	34.0				0.38	1.6		6.6	6.2						-.04	4.5			31.36	16.23	22.90

LOCATION: Non-standard stations: San Francisco Bay
 DATE: September 9, 1993
 JULIAN DAY: 93252
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	1437	35.0			0.39	1.7	6.6	6.2	-0.3		4.6		31.36	16.23	22.90
18.0	1437	36.0			0.39	1.7	6.6	6.3	-0.3		4.6		31.36	16.23	22.90
18.0	1437	37.0			0.39	1.6	6.6	6.3	-0.3		4.5		31.38	16.21	22.92
18.0	1437	38.0			0.39	1.7	6.6	6.3	-0.3		4.6		31.38	16.21	22.92
18.0	1437	39.0			0.39	1.7	6.6	6.3	-0.3		4.5		31.38	16.21	22.92
18.0	1437	40.0			0.38	1.6	6.6	6.3	-0.3		4.6		31.38	16.21	22.92
18.0	1437	41.0			0.38	1.6	6.6	6.3	-0.3		4.5		31.38	16.21	22.92
18.0	1437	42.0			0.39	1.6	6.6	6.3	-0.3		4.5		31.38	16.21	22.92
18.0	1437	43.0			0.38	1.6	6.6	6.3	-0.3		4.6		31.39	16.21	22.92
18.0	1437	44.0			0.38	1.6	6.6	6.3	-0.3		4.6		31.42	16.18	22.95
18.0	1437	45.0			0.38	1.6	6.6	6.3	-0.3		4.5		31.44	16.16	22.97
18.0	1437	46.0			0.38	1.5	6.7	6.3	-0.4		4.5		31.48	16.12	23.02

..... Slope Inter. Std. Err.
 Fluorometer Calibration: 7 0.819 11.091 -2.632 0.485
 OBS Calibration: 8 0.964 42.749 6.002 1.655
 Dissolved Oxygen Calibration: 11 0.735 1.220 -1.798 0.348

NOTE: Chlorophyll a, SPM and DO regressions from 9/8/93 discrete samples.

LOCATION: South San Francisco Bay

DATE: October 5, 1993

JULIAN DAY: 93278

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/	FLUOR	CALC		DISCR	OXYG	OXYG	CALC		DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	a+PHA			CHL a	OKYG				OKYG	SPM								
36.0	0742	1.0	2.0	0.67	0.63	2.0	7.1	6.9	7.1	41.2	0.43	40.4	2.4	26.54	18.58	18.67					
36.0	0742	2.0			0.62	2.0	7.0	6.9	7.0		0.46	43.2		26.75	18.68	18.80					
36.0	0742	3.0			0.62	2.0	7.0	6.8	7.0		0.49	45.5		26.81	18.71	18.85					
36.0	0742	4.0			0.62	2.0	7.0	6.9	7.0		0.52	47.5		26.84	18.70	18.87					
36.0	0742	5.0			0.60	1.9	7.0	6.8	7.0		0.51	46.5		26.94	18.73	18.94					
36.0	0742	6.0			0.56	1.8	7.0	6.8	7.0		0.48	44.2		27.10	18.78	19.05					
36.0	0742	7.0			0.54	1.8	7.0	6.8	7.0		0.48	44.7		27.17	18.80	19.10					
36.0	0742	8.0			0.53	1.8	7.0	6.8	7.0		0.52	47.4		27.19	18.80	19.11					
36.0	0742	9.0	1.8	0.59	0.54	1.8	7.0	6.8	7.0		0.70	62.1		27.20	18.80	19.12					
35.0	0853	1.0			0.65	2.1	7.2	7.1	7.2	44.6	0.48	44.3	3.0	26.30	18.35	18.54					
35.0	0853	2.0			0.63	2.0	7.2	7.0	7.2		0.52	47.6		26.54	18.54	18.68					
35.0	0853	3.0			0.60	2.0	7.2	7.0	7.2		0.53	48.5		26.69	18.62	18.77					
35.0	0853	4.0			0.57	1.9	7.2	7.0	7.2		0.50	46.2		26.97	18.66	18.98					
35.0	0853	5.0			0.54	1.8	7.1	7.0	7.1		0.44	41.5		27.14	18.68	19.10					
35.0	0853	6.0			0.50	1.7	7.1	6.9	7.1		0.39	37.0		27.32	18.71	19.23					
35.0	0853	7.0			0.50	1.7	7.1	6.9	7.1		0.33	32.1		27.40	18.73	19.29					
34.0	0904	1.0					7.1	6.9	7.1	22.9	0.23	24.8	1.9	27.17	18.54	19.16					
34.0	0904	2.0					7.1	6.9	7.1		0.24	25.6		27.19	18.52	19.18					
34.0	0904	3.0					7.1	6.9	7.1		0.24	25.6		27.21	18.46	19.21					
34.0	0904	4.0					7.0	6.9	7.0		0.27	27.3		27.23	18.35	19.25					
34.0	0904	5.0					7.0	6.8	7.0		0.35	34.4		27.23	18.27	19.27					
34.0	0904	6.0					7.0	6.8	7.0		0.47	43.9		27.23	18.19	19.28					
33.0	0918	1.0					7.3	7.1	7.3		0.23	24.7	2.0	27.79	18.55	19.63					
33.0	0918	2.0					7.3	7.1	7.3		0.26	26.6		27.86	18.57	19.68					
33.0	0918	3.0					7.3	7.1	7.3		0.27	27.3		27.91	18.57	19.72					
33.0	0918	4.0					7.3	7.1	7.3		0.28	28.7		27.94	18.58	19.74					
33.0	0918	5.0					7.3	7.1	7.3		0.30	30.2		27.99	18.58	19.77					
33.0	0918	6.0					7.3	7.1	7.3		0.31	31.0		28.05	18.59	19.82					

LOCATION: South San Francisco Bay
 DATE: October 5, 1993
 JULIAN DAY: 93278
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	0918	7.0			7.1	7.3		7.3		0.33	32.5		28.15	18.62	19.89
33.0	0918	8.0			7.1	7.3		7.3		0.34	33.6		28.20	18.65	19.92
33.0	0918	9.0			7.1	7.3		7.3		0.36	34.7		28.22	18.66	19.93
33.0	0918	10.0			7.1	7.3		7.3		0.38	36.6		28.24	18.66	19.95
33.0	0918	11.0			7.1	7.3		7.3		0.41	38.6		28.25	18.66	19.95
32.0	0931	1.0	1.0	0.51			7.3		18.5			1.7	28.20	18.65	19.92
32.0	0931	2.0			7.0	7.2		7.2		0.17	19.8		28.31	18.71	19.98
32.0	0931	3.0			7.0	7.2		7.2		0.17	20.0		28.43	18.77	20.06
32.0	0931	4.0			7.0	7.2		7.2		0.18	20.6		28.45	18.78	20.08
32.0	0931	5.0			7.0	7.2		7.2		0.21	22.9		28.46	18.77	20.09
32.0	0931	6.0			7.0	7.2		7.2		0.23	24.2		28.47	18.75	20.10
32.0	0931	7.0			7.0	7.2		7.2		0.24	25.1		28.47	18.75	20.10
32.0	0931	8.0			7.0	7.2		7.2		0.25	25.8		28.47	18.73	20.11
32.0	0931	9.0			7.0	7.2		7.2		0.25	26.2		28.48	18.69	20.12
32.0	0931	10.0			7.0	7.2		7.2		0.25	26.0		28.49	18.68	20.13
32.0	0931	11.0	0.5	0.30	7.0	7.2		7.2		0.24	25.2		28.51	18.67	20.15
31.0	1002	1.0			6.5	6.7		6.7		0.11	15.2	1.4	28.69	18.79	20.26
31.0	1002	2.0			6.5	6.7		6.7		0.12	15.8		28.70	18.77	20.27
31.0	1002	3.0			6.5	6.7		6.7		0.14	17.5		28.70	18.75	20.28
31.0	1002	4.0			6.6	6.8		6.8		0.17	19.4		28.71	18.75	20.28
31.0	1002	5.0			6.6	6.8		6.8		0.18	20.4		28.73	18.74	20.30
31.0	1002	6.0			6.6	6.8		6.8		0.20	21.9		28.74	18.73	20.32
31.0	1002	7.0			6.6	6.8		6.8		0.21	23.2		28.76	18.72	20.33
31.0	1002	8.0			6.6	6.8		6.8		0.22	24.1		28.78	18.71	20.34
31.0	1002	9.0			6.6	6.8		6.8		0.23	24.9		28.81	18.70	20.37
31.0	1002	10.0			6.7	6.9		6.9		0.25	25.7		28.83	18.70	20.39
31.0	1002	11.0			6.7	6.9		6.9		0.25	26.2		28.86	18.69	20.41
31.0	1002	12.0			6.7	6.9		6.9		0.26	26.5		28.87	18.69	20.42
31.0	1002	13.0			6.7	6.9		6.9		0.25	26.3		28.93	18.68	20.47

LOCATION: South San Francisco Bay

DATE: October 5, 1993

JULIAN DAY: 93278

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	1002	14.0			0.41	1.4	6.7	6.9		0.28	28.5		28.96	18.66	20.50
30.0	1023	1.0	1.9	0.76	0.43	1.5	7.1	7.3	9.0	0.06	10.7	1.1	29.03	18.74	20.53
30.0	1023	2.0			0.42	1.4	7.1	7.3		0.06	10.8		29.03	18.72	20.53
30.0	1023	3.0			0.39	1.4	7.1	7.3		0.06	10.9		29.04	18.71	20.54
30.0	1023	4.0			0.37	1.3	7.1	7.3		0.07	11.5		29.06	18.72	20.56
30.0	1023	5.0			0.36	1.3	7.1	7.3		0.08	12.3		29.07	18.72	20.57
30.0	1023	6.0			0.37	1.3	7.1	7.3		0.10	14.3		29.08	18.72	20.57
30.0	1023	7.0			0.37	1.3	7.1	7.3		0.11	15.1		29.08	18.72	20.57
30.0	1023	8.0			0.37	1.3	7.1	7.3		0.12	15.8		29.08	18.72	20.58
30.0	1023	9.0			0.37	1.3	7.1	7.3		0.14	17.5		29.08	18.72	20.58
30.0	1023	10.0			0.37	1.3	7.1	7.3		0.15	18.2		29.08	18.72	20.58
30.0	1023	11.0			0.37	1.3	7.1	7.3		0.16	18.8		29.08	18.72	20.58
30.0	1023	12.0	1.6	0.56	0.37	1.3	7.1	7.3		0.17	19.3		29.08	18.72	20.58
29.5	1104	1.0	0.8	0.41	0.42	1.4	7.2	7.4	10.7	0.03	8.8	1.1	29.24	18.70	20.70
29.5	1104	2.0			0.41	1.4	7.3	7.4		0.04	9.2		29.24	18.64	20.71
29.5	1104	3.0			0.40	1.4	7.2	7.4		0.05	10.2		29.25	18.63	20.72
29.5	1104	4.0			0.38	1.3	7.3	7.4		0.06	11.1		29.24	18.58	20.73
29.5	1104	5.0			0.37	1.3	7.3	7.4		0.08	12.3		29.24	18.58	20.73
29.5	1104	6.0			0.37	1.3	7.3	7.4		0.08	12.3		29.25	18.58	20.73
29.5	1104	7.0			0.37	1.3	7.3	7.4		0.09	12.9		29.24	18.57	20.73
29.5	1104	8.0			0.37	1.3	7.3	7.4		0.09	13.6		29.25	18.57	20.74
29.5	1104	9.0			0.37	1.3	7.3	7.4		0.11	14.7		29.25	18.57	20.74
29.5	1104	10.0			0.37	1.3	7.3	7.5		0.11	15.2		29.25	18.57	20.74
29.5	1104	11.0			0.38	1.3	7.3	7.4		0.11	14.8		29.25	18.57	20.74
29.5	1104	12.0			0.38	1.3	7.3	7.5		0.10	14.5		29.25	18.56	20.74
29.5	1104	13.0			0.38	1.3	7.3	7.5		0.14	17.0		29.25	18.55	20.74
29.5	1104	14.0			0.39	1.4	7.3	7.5		0.18	20.4		29.25	18.55	20.74
29.5	1104	15.0			0.39	1.4	7.3	7.5		0.25	26.3		29.25	18.55	20.74

LOCATION: South San Francisco Bay
 DATE: October 5, 1993
 JULIAN DAY: 93278
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
29.0	1133	1.0			0.38	1.3	7.2	7.4		0.02	7.7	1.0	29.28	18.56	20.76
29.0	1133	2.0			0.36	1.3	7.3	7.4		0.02	7.7		29.31	18.52	20.79
29.0	1133	3.0			0.36	1.3	7.3	7.4		0.04	9.0		29.31	18.52	20.79
29.0	1133	4.0			0.35	1.3	7.3	7.4		0.06	10.8		29.31	18.52	20.79
29.0	1133	5.0			0.35	1.3	7.3	7.4		0.07	11.7		29.31	18.52	20.80
29.0	1133	6.0			0.35	1.2	7.3	7.4		0.08	12.3		29.31	18.52	20.80
29.0	1133	7.0			0.34	1.2	7.3	7.4		0.08	12.8		29.31	18.52	20.80
29.0	1133	8.0			0.35	1.2	7.3	7.4		0.09	13.2		29.32	18.52	20.80
29.0	1133	9.0			0.35	1.2	7.3	7.4		0.10	14.3		29.32	18.52	20.80
29.0	1133	10.0			0.36	1.3	7.3	7.4		0.12	15.5		29.32	18.52	20.80
29.0	1133	11.0			0.37	1.3	7.3	7.4		0.16	18.7		29.32	18.52	20.80
29.0	1133	12.0			0.37	1.3	7.3	7.4		0.20	21.9		29.32	18.52	20.80
29.0	1133	13.0			0.38	1.3	7.3	7.5		0.23	24.5		29.32	18.52	20.80
29.0	1133	14.0			0.38	1.3	7.3	7.4		0.28	28.1		29.32	18.52	20.80
29.0	1133	15.0			0.39	1.4	7.3	7.4		0.35	34.0		29.32	18.52	20.80
29.0	1133	16.0			0.39	1.4	7.3	7.4		0.40	38.1		29.32	18.52	20.80
28.5	1147	1.0			0.36	1.3	7.4	7.5		0.04	9.0	1.1	29.35	18.55	20.82
28.5	1147	2.0			0.35	1.2	7.4	7.5		0.07	11.9		29.37	18.48	20.85
28.5	1147	3.0			0.34	1.2	7.4	7.6		0.08	12.7		29.38	18.47	20.86
28.5	1147	4.0			0.33	1.2	7.4	7.6		0.09	13.3		29.38	18.47	20.86
28.5	1147	5.0			0.33	1.2	7.4	7.6		0.09	13.3		29.38	18.47	20.86
28.5	1147	6.0			0.33	1.2	7.4	7.6		0.09	13.0		29.38	18.47	20.86
28.5	1147	7.0			0.33	1.2	7.4	7.6		0.09	13.1		29.38	18.47	20.86
28.5	1147	8.0			0.34	1.2	7.4	7.6		0.09	13.1		29.38	18.47	20.86
28.5	1147	9.0			0.35	1.2	7.4	7.6		0.12	15.4		29.39	18.44	20.87
28.5	1147	10.0			0.36	1.3	7.4	7.6		0.23	24.3		29.39	18.43	20.88
28.5	1147	11.0			0.37	1.3	7.4	7.6		0.36	34.5		29.39	18.43	20.88
28.5	1147	12.0			0.38	1.3	7.4	7.6		0.43	40.7		29.39	18.42	20.88
28.5	1147	13.0			0.38	1.3	7.4	7.6		0.48	44.4		29.39	18.42	20.88
28.5	1147	14.0			0.39	1.4	7.4	7.6		0.48	44.8		29.39	18.42	20.88

LOCATION: South San Francisco Bay

DATE: October 5, 1993

JULIAN DAY: 93278

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OKYG	CALC OKYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
28.5	1147	15.0			0.40	1.4	7.4	7.6		0.59	53.1		29.39	18.43	20.88
28.5	1147	16.0			0.40	1.4	7.4	7.6		0.81	70.7		29.39	18.44	20.88
28.0	1218	1.0			0.42	1.4	7.4	7.6	6.6	-0.00	5.8	0.9	29.36	18.69	20.79
28.0	1218	2.0			0.39	1.4	7.4	7.5		0.00	6.5		29.39	18.59	20.84
28.0	1218	3.0			0.36	1.3	7.4	7.5		0.01	7.1		29.41	18.50	20.88
28.0	1218	4.0			0.35	1.2	7.4	7.5		0.02	7.7		29.41	18.47	20.89
28.0	1218	5.0			0.33	1.2	7.4	7.5		0.03	8.4		29.43	18.41	20.91
28.0	1218	6.0			0.33	1.2	7.4	7.5		0.04	9.0		29.43	18.39	20.92
28.0	1218	7.0			0.33	1.2	7.4	7.5		0.04	9.4		29.44	18.36	20.93
28.0	1218	8.0			0.33	1.2	7.4	7.5		0.05	10.3		29.45	18.30	20.95
28.0	1218	9.0			0.33	1.2	7.4	7.5		0.06	11.2		29.45	18.27	20.96
28.0	1218	10.0			0.34	1.2	7.4	7.6		0.08	12.5		29.46	18.23	20.98
28.0	1218	11.0			0.34	1.2	7.4	7.6		0.10	13.8		29.46	18.19	20.99
28.0	1218	12.0			0.35	1.3	7.4	7.6		0.13	16.2		29.47	18.17	21.00
28.0	1218	13.0			0.36	1.3	7.4	7.6		0.15	18.2		29.47	18.15	21.00
28.0	1218	14.0			0.36	1.3	7.4	7.6		0.20	21.8		29.47	18.14	21.01
28.0	1218	15.0			0.36	1.3	7.4	7.6		0.26	26.9		29.47	18.14	21.01
27.0	1236	1.0	0.9	0.48	0.38	1.3	7.4	7.5	8.5	0.00	6.3	1.0	29.55	18.41	21.01
27.0	1236	2.0			0.37	1.3	7.3	7.5		0.02	7.8		29.56	18.24	21.06
27.0	1236	3.0			0.34	1.2	7.4	7.5		0.04	9.5		29.56	18.16	21.07
27.0	1236	4.0			0.33	1.2	7.4	7.5		0.08	12.6		29.56	18.13	21.08
27.0	1236	5.0			0.32	1.2	7.4	7.5		0.11	14.7		29.56	18.13	21.08
27.0	1236	6.0			0.31	1.1	7.4	7.5		0.13	16.8		29.56	18.13	21.08
27.0	1236	7.0			0.31	1.1	7.4	7.5		0.14	17.0		29.56	18.13	21.08
27.0	1236	8.0			0.32	1.2	7.4	7.5		0.14	17.2		29.56	18.13	21.08
27.0	1236	9.0			0.32	1.2	7.4	7.5		0.15	18.4		29.56	18.13	21.08
27.0	1236	10.0			0.33	1.2	7.4	7.6		0.18	20.2		29.56	18.13	21.08
27.0	1236	11.0			0.33	1.2	7.4	7.5		0.17	19.9		29.56	18.13	21.08
27.0	1236	12.0			0.33	1.2	7.4	7.5		0.19	21.1		29.56	18.13	21.08

LOCATION: South San Francisco Bay
 DATE: October 5, 1993
 JULIAN DAY: 93278
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
27.0	1236	13.0	1.0	0.46	0.33	1.2		7.4	7.5		0.22	23.7		29.56	18.13	21.08
26.0	1319	1.0						7.3	7.5	11.2	0.04	9.1	1.0	29.69	18.23	21.16
26.0	1319	2.0						7.3	7.5		0.04	9.3		29.69	18.22	21.16
26.0	1319	3.0						7.4	7.5		0.04	9.6		29.69	18.21	21.17
26.0	1319	4.0						7.4	7.5		0.06	10.8		29.69	18.20	21.17
26.0	1319	5.0						7.4	7.5		0.07	11.5		29.70	18.19	21.17
26.0	1319	6.0						7.4	7.5		0.08	12.7		29.70	18.19	21.17
26.0	1319	7.0						7.4	7.5		0.09	13.6		29.70	18.19	21.17
26.0	1319	8.0						7.4	7.5		0.10	14.3		29.70	18.19	21.17
26.0	1319	9.0						7.4	7.5		0.10	14.3		29.70	18.19	21.17
26.0	1319	10.0						7.4	7.5		0.10	14.3		29.70	18.19	21.17
26.0	1319	11.0						7.4	7.5		0.11	14.7		29.70	18.19	21.17
26.0	1319	12.0						7.4	7.5		0.12	15.4		29.70	18.19	21.17
25.0	1338	1.0						7.1	7.3	19.5	0.13	16.6	1.3	29.86	18.03	21.33
25.0	1338	2.0						7.1	7.3		0.14	17.0		29.86	18.02	21.33
25.0	1338	3.0						7.1	7.3		0.15	17.8		29.86	18.02	21.33
25.0	1338	4.0						7.1	7.3		0.15	17.8		29.86	18.01	21.34
25.0	1338	5.0						7.1	7.3		0.15	18.0		29.86	17.99	21.35
25.0	1338	6.0						7.1	7.3		0.15	18.4		29.87	17.99	21.35
25.0	1338	7.0						7.1	7.3		0.16	18.7		29.87	17.99	21.35
25.0	1338	8.0						7.1	7.3		0.17	19.6		29.87	17.99	21.35
25.0	1338	9.0						7.1	7.3		0.17	20.0		29.87	17.99	21.35
25.0	1338	10.0						7.1	7.3		0.18	20.2		29.87	17.99	21.35
24.0	1356	1.0	0.7	0.33	0.34	1.2		7.1	7.3	4.0	0.06	10.6	1.0	30.19	16.92	21.84
24.0	1356	2.0			0.35	1.2		7.1	7.3		0.05	10.4		30.19	16.92	21.84
24.0	1356	3.0			0.35	1.3		7.1	7.3		0.06	10.7		30.18	16.91	21.84
24.0	1356	4.0			0.35	1.2		7.1	7.3		0.07	11.5		30.18	16.91	21.84
24.0	1356	5.0			0.34	1.2		7.2	7.3		0.08	12.1		30.18	16.91	21.84

LOCATION: South San Francisco Bay

DATE: October 5, 1993

JULIAN DAY: 93278

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a				CHL a	OXYG	OXYG		OXYG	SPM		SPM				
24.0	1356	6.0				0.34	1.2		7.2	7.3			0.08	12.1		30.18	16.91	21.84
24.0	1356	7.0				0.34	1.2		7.2	7.3			0.08	12.4		30.18	16.91	21.84
24.0	1356	8.0				0.33	1.2		7.2	7.3			0.09	13.1		30.18	16.91	21.84
24.0	1356	9.0				0.34	1.2		7.2	7.3			0.09	12.9		30.18	16.91	21.84
24.0	1356	10.0				0.34	1.2		7.2	7.3			0.09	13.1		30.18	16.91	21.84
24.0	1356	11.0				0.35	1.2		7.2	7.3			0.09	13.6		30.18	16.91	21.84
24.0	1356	12.0	1.9	0.58		0.35	1.2		7.2	7.3			0.10	13.8		30.18	16.92	21.84
23.0	1414	1.0				0.33	1.2		7.1	7.3			0.00	6.5	1.0	30.21	16.76	21.90
23.0	1414	2.0				0.34	1.2		7.2	7.3			0.01	6.9		30.22	16.62	21.94
23.0	1414	3.0				0.35	1.2		7.2	7.3			0.02	7.8		30.23	16.64	21.94
23.0	1414	4.0				0.35	1.2		7.2	7.3			0.03	8.5		30.23	16.63	21.94
23.0	1414	5.0				0.35	1.2		7.2	7.3			0.03	8.6		30.23	16.56	21.96
23.0	1414	6.0				0.35	1.2		7.2	7.3			0.04	8.9		30.23	16.55	21.96
23.0	1414	7.0				0.34	1.2		7.2	7.4			0.05	9.7		30.24	16.54	21.97
23.0	1414	8.0				0.34	1.2		7.2	7.4			0.04	9.6		30.23	16.53	21.97
23.0	1414	9.0				0.34	1.2		7.2	7.4			0.05	10.3		30.23	16.52	21.97
23.0	1414	10.0				0.34	1.2		7.2	7.4			0.06	10.7		30.23	16.52	21.97
23.0	1414	11.0				0.34	1.2		7.2	7.4			0.06	10.9		30.23	16.51	21.97
23.0	1414	12.0				0.34	1.2		7.2	7.4			0.07	11.4		30.23	16.51	21.97
23.0	1414	13.0				0.34	1.2		7.2	7.4			0.07	12.0		30.24	16.51	21.97
23.0	1414	14.0				0.34	1.2		7.2	7.4			0.08	12.1		30.23	16.51	21.97
23.0	1414	15.0				0.34	1.2		7.3	7.4			0.08	12.3		30.24	16.51	21.97
23.0	1414	16.0				0.35	1.2		7.2	7.4			0.08	12.1		30.23	16.52	21.97
23.0	1414	17.0				0.35	1.3		7.2	7.4			0.07	12.0		30.23	16.52	21.96
22.0	1436	1.0				0.41	1.4	7.3	7.2	7.3			-.01	5.4	0.7	30.33	16.45	22.06
22.0	1436	2.0				0.40	1.4		7.1	7.3			-.00	5.8		30.35	16.42	22.08
22.0	1436	3.0				0.40	1.4		7.1	7.2			-.01	5.5		30.44	16.28	22.18
22.0	1436	4.0				0.39	1.3		7.0	7.2			-.00	5.8		30.52	16.15	22.27
22.0	1436	5.0				0.37	1.3		7.0	7.2			-.00	5.7		30.66	15.96	22.42

LOCATION: South San Francisco Bay
 DATE: October 5, 1993
 JULIAN DAY: 93278
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	CALC	OXYG	DISCR	CALC	OXYG	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
22.0	1436	6.0				0.36	1.3		6.9	7.1		7.1			--.00	5.8		30.81	15.76	22.58
22.0	1436	7.0				0.36	1.3		7.0	7.2		7.2			--.00	5.7		31.04	15.47	22.82
22.0	1436	8.0				0.36	1.3		7.1	7.2		7.2			0.00	6.5		31.14	15.35	22.92
22.0	1436	9.0				0.36	1.3		7.1	7.2		7.2			0.01	7.1		31.17	15.32	22.95
22.0	1436	10.0				0.35	1.3		7.1	7.3		7.3			0.02	7.9		31.20	15.29	22.98
22.0	1436	11.0				0.35	1.3		7.1	7.3		7.3			0.03	8.1		31.23	15.26	23.01
22.0	1436	12.0				0.36	1.3		7.2	7.3		7.3			0.03	8.3		31.24	15.25	23.02
22.0	1436	13.0				0.36	1.3		7.2	7.3		7.3			0.03	8.7		31.25	15.24	23.03
22.0	1436	14.0				0.36	1.3		7.2	7.3		7.3			0.04	9.1		31.25	15.23	23.04
22.0	1436	15.0				0.35	1.3		7.2	7.4		7.4			0.04	9.3		31.26	15.22	23.04
22.0	1436	16.0				0.36	1.3		7.2	7.4		7.4			0.04	9.3		31.27	15.21	23.06
22.0	1436	17.0				0.37	1.3		7.2	7.4		7.4			0.04	9.4		31.27	15.20	23.06
22.0	1436	18.0				0.37	1.3		7.2	7.4		7.4			0.04	9.5		31.28	15.20	23.07
22.0	1436	19.0				0.37	1.3		7.2	7.4		7.4			0.05	9.9		31.29	15.19	23.08
22.0	1436	20.0				0.37	1.3		7.2	7.4		7.4			0.04	9.5		31.29	15.19	23.08
21.0	1457	1.0	1.5	0.68		0.40	1.4	7.3	7.4	7.6		7.6			0.02	7.7	0.8	30.13	16.37	21.93
21.0	1457	2.0				0.41	1.4		7.3	7.5		7.5			0.02	7.6		30.13	16.36	21.93
21.0	1457	3.0				0.39	1.4		7.3	7.4		7.4			0.02	7.7		30.17	16.24	21.98
21.0	1457	4.0				0.37	1.3		7.3	7.4		7.4			0.03	8.2		30.41	16.00	22.22
21.0	1457	5.0				0.37	1.3		7.1	7.2		7.2			0.03	8.4		30.54	15.93	22.33
21.0	1457	6.0				0.36	1.3		7.1	7.3		7.3			0.03	8.8		30.92	15.59	22.70
21.0	1457	7.0				0.36	1.3		7.2	7.3		7.3			0.02	7.5		31.21	15.26	22.99
21.0	1457	8.0				0.37	1.3		7.2	7.4		7.4			0.01	7.3		31.26	15.20	23.05
21.0	1457	9.0				0.36	1.3		7.3	7.4		7.4			0.01	6.8		31.32	15.13	23.11
21.0	1457	10.0				0.36	1.3		7.3	7.4		7.4			--.00	6.0		31.33	15.13	23.12
21.0	1457	11.0				0.37	1.3		7.3	7.5		7.5			0.00	6.2		31.34	15.11	23.13
21.0	1457	12.0				0.37	1.3		7.3	7.5		7.5			--.00	6.0		31.34	15.11	23.13
21.0	1457	13.0				0.37	1.3		7.3	7.5		7.5			0.00	6.1		31.34	15.11	23.13
21.0	1457	14.0				0.38	1.3		7.3	7.5		7.5			0.00	6.1		31.34	15.11	23.13
21.0	1457	15.0				0.38	1.3		7.3	7.5		7.5			--.00	5.9		31.35	15.10	23.14

LOCATION: South San Francisco Bay
 DATE: October 5, 1993
 JULIAN DAY: 93278
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	1457	16.0		0.38	1.3	1.3	7.4	7.5	0.00	0.00	6.1		31.37	15.09	23.16
21.0	1457	17.0		0.38	1.3	1.3	7.4	7.5	0.00	0.00	6.2		31.38	15.08	23.17
21.0	1457	18.0		0.39	1.4	1.4	7.4	7.5	0.00	0.00	6.2		31.38	15.07	23.17
21.0	1457	19.0	1.7	0.66	1.3	1.3	7.3	7.5	0.00	0.00	6.1		31.38	15.08	23.17

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n	r ²	Slope	Inter.	Std. Err.
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Fluorometer Calibration: 11 0.268 2.788 0.273 0.439
 OBS Calibration: 11 0.961 79.852 6.107 2.833
 Dissolved Oxygen Calibration: 12 0.976 0.924 0.700 0.046

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

LOCATION: North San Francisco Bay
 DATE: October 6, 1993
 JULIAN DAY: 93279
 SeeBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
657.0	1605	1.0	1.1	0.61			14.3		0.14	0.14	15.4	1.7	0.08	18.45	0.00
657.0	1605	2.0							0.14	0.14	15.2		0.08	18.45	0.00
657.0	1605	3.0							0.14	0.14	15.2		0.08	18.45	0.00
657.0	1605	4.0							0.14	0.14	15.2		0.08	18.37	0.00
657.0	1605	5.0							0.13	0.13	14.7		0.08	18.33	0.00
657.0	1605	6.0							0.13	0.13	14.7		0.08	18.34	0.00
657.0	1605	7.0							0.12	0.12	14.3		0.08	18.24	0.00
657.0	1605	8.0							0.13	0.13	14.6		0.07	18.20	0.00
657.0	1605	9.0	0.9	0.52			13.4		0.13	0.13	14.6		0.07	18.18	0.00
657.0	1605	10.0	0.8	0.49					0.13	0.13	14.9		0.07	18.18	0.00
657.0	1605	11.0							0.13	0.13	14.6		0.08	18.18	0.00
653.0	1535	1.0					16.9		0.17	0.17	17.1	1.6	0.12	18.50	0.00
653.0	1535	2.0							0.16	0.16	16.4		0.12	18.51	0.00
653.0	1535	3.0							0.16	0.16	16.3		0.12	18.44	0.00
653.0	1535	4.0							0.16	0.16	16.4		0.12	18.35	0.00
653.0	1535	5.0							0.16	0.16	16.5		0.12	18.35	0.00
653.0	1535	6.0							0.18	0.18	17.4		0.12	18.35	0.00
653.0	1535	7.0							0.18	0.18	17.5		0.12	18.35	0.00
653.0	1535	8.0							0.19	0.19	18.1		0.12	18.35	0.00
653.0	1535	9.0							0.20	0.20	18.5		0.13	18.35	0.00
653.0	1535	10.0							0.20	0.20	18.5		0.13	18.35	0.00
653.0	1535	11.0							0.22	0.22	19.6		0.13	18.35	0.00
649.0	1505	1.0	1.0	0.40			36.1		0.55	0.55	36.7	2.9	0.83	18.38	0.00
649.0	1505	2.0							0.48	0.48	33.2		0.85	18.21	0.00
649.0	1505	3.0							0.44	0.44	31.2		0.97	18.14	0.00
649.0	1505	4.0							0.41	0.41	29.5		1.09	18.16	0.00
649.0	1505	5.0							0.40	0.40	28.9		1.21	18.18	0.00
649.0	1505	6.0							0.41	0.41	29.1		1.35	18.20	0.00
649.0	1505	7.0							0.41	0.41	29.5		1.43	18.19	0.00

LOCATION: North San Francisco Bay
 DATE: October 6, 1993
 JULIAN DAY: 93279
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PIA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
649.0	1505	8.0									0.44	30.7		1.49	18.19	0.00
649.0	1505	9.0									0.44	31.2		1.51	18.18	0.00
649.0	1505	10.0									0.45	31.4		1.52	18.19	0.00
649.0	1505	11.0									0.45	31.5		1.53	18.19	0.00
649.0	1505	12.0	0.7	0.37							0.44	30.8		1.54	18.19	0.00
2.0	1445	1.0			0.31	0.6		8.9	8.9	28.2	0.37	27.3	2.3	2.08	18.58	0.08
2.0	1445	2.0			0.31	0.6		8.8	8.8		0.36	26.9		2.08	18.61	0.07
2.0	1445	3.0			0.31	0.6		8.8	8.8		0.35	26.4		2.13	18.47	0.14
2.0	1445	4.0			0.30	0.6		8.8	8.9		0.37	27.0		2.49	18.37	0.43
2.0	1445	5.0			0.30	0.6		8.8	8.9		0.41	29.3		2.55	18.42	0.47
2.0	1445	6.0			0.30	0.6		8.9	8.9		0.42	29.8		2.57	18.43	0.48
2.0	1445	7.0			0.31	0.6		8.8	8.8		0.42	30.0		2.65	18.47	0.54
2.0	1445	8.0			0.31	0.6		8.7	8.8		0.41	29.3		2.82	18.39	0.68
2.0	1445	9.0			0.31	0.6		8.8	8.8		0.38	27.5		3.02	18.25	0.86
2.0	1445	10.0			0.31	0.6		8.8	8.8		0.37	27.1		3.16	18.23	0.97
2.0	1445	11.0			0.34	0.6		8.8	8.8		0.35	26.5		3.20	18.24	1.00
2.0	1445	12.0			0.34	0.6		8.8	8.8		0.37	27.1		3.20	18.24	1.00
3.0	1432	1.0	0.7	0.53	0.30	0.6	8.9	8.9	8.9		0.31	24.2	2.2	2.60	18.51	0.49
3.0	1432	2.0			0.30	0.6		8.9	8.9		0.30	23.8		2.59	18.53	0.48
3.0	1432	3.0			0.30	0.6		8.8	8.9		0.31	23.9		2.58	18.55	0.47
3.0	1432	4.0			0.30	0.6		8.7	8.8		0.30	23.7		2.59	18.53	0.47
3.0	1432	5.0			0.29	0.6		8.7	8.7		0.30	23.7		2.81	18.34	0.68
3.0	1432	6.0			0.29	0.6		8.8	8.8		0.30	23.0		3.19	18.20	1.00
3.0	1432	7.0			0.29	0.6		8.8	8.8		0.34	25.4		3.42	18.16	1.18
3.0	1432	8.0			0.29	0.6		8.8	8.8		0.36	26.8		3.54	18.13	1.28
3.0	1432	9.0			0.29	0.6		8.8	8.8		0.38	27.8		3.72	18.10	1.43
3.0	1432	10.0			0.30	0.6		8.8	8.8		0.41	29.2		3.92	18.08	1.58
3.0	1432	11.0			0.31	0.6		8.8	8.8		0.48	33.1		4.01	18.06	1.65
3.0	1432	12.0	0.5	0.32	0.32	0.6		8.8	8.8		0.67	43.1		4.13	18.04	1.75

LOCATION: North San Francisco Bay
 DATE: October 6, 1993
 JULIAN DAY: 93279
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
4.0	1409	1.0						8.5	8.6	23.1	0.29	23.1	2.2	4.02	18.50	1.57
4.0	1409	2.0						8.5	8.5		0.27	21.9		4.08	18.42	1.63
4.0	1409	3.0						8.5	8.6		0.29	23.2		4.26	18.36	1.78
4.0	1409	4.0						8.3	8.4		0.33	25.1		4.35	18.40	1.85
4.0	1409	5.0						8.4	8.4		0.35	26.2		4.46	18.09	1.99
4.0	1409	6.0						8.4	8.5		0.38	27.8		4.70	17.96	2.19
4.0	1409	7.0						8.5	8.5		0.40	28.8		4.99	17.91	2.43
4.0	1409	8.0						8.5	8.6		0.41	29.3		5.13	17.88	2.54
4.0	1409	9.0						8.5	8.6		0.44	31.2		5.14	17.88	2.55
4.0	1409	10.0						8.5	8.6		0.47	32.4		5.15	17.88	2.55
4.0	1409	11.0						8.6	8.6		0.50	34.2		5.19	17.88	2.59
4.0	1409	12.0						8.6	8.7		0.57	38.0		5.22	17.88	2.61
4.0	1409	13.0						8.6	8.7		0.62	40.5		5.24	17.91	2.62
4.0	1409	14.0						8.6	8.7		0.67	43.1		5.44	17.94	2.76
4.0	1409	15.0						8.6	8.6		0.80	49.6		5.56	17.88	2.87
4.0	1409	16.0						8.6	8.6		0.88	54.1		5.78	17.84	3.05
5.0	1305	1.0			0.30	0.6		8.4	8.5		0.28	22.8	2.0	5.91	17.98	3.11
5.0	1305	2.0			0.30	0.6		8.4	8.5		0.28	22.7		5.93	17.95	3.13
5.0	1305	3.0			0.30	0.6		8.4	8.4		0.27	21.9		6.03	17.91	3.22
5.0	1305	4.0			0.29	0.6		8.4	8.4		0.25	20.9		6.35	17.84	3.47
5.0	1305	5.0			0.29	0.6		8.3	8.4		0.26	21.8		6.99	17.81	3.97
5.0	1305	6.0			0.29	0.6		8.3	8.4		0.31	24.4		7.39	17.78	4.28
5.0	1305	7.0			0.29	0.6		8.4	8.4		0.35	26.0		7.51	17.78	4.37
5.0	1305	8.0			0.30	0.6		8.4	8.4		0.36	26.7		7.60	17.78	4.44
5.0	1305	9.0			0.30	0.6		8.4	8.4		0.38	27.6		7.67	17.78	4.49
5.0	1305	10.0			0.30	0.6		8.4	8.4		0.40	28.6		7.87	17.80	4.64
5.0	1305	11.0			0.30	0.6		8.3	8.4		0.40	29.0		8.20	17.81	4.89
5.0	1305	12.0			0.30	0.6		8.3	8.4		0.41	29.6		8.32	17.81	4.98

LOCATION: North San Francisco Bay
 DATE: October 6, 1993
 JULIAN DAY: 93279
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPH	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
6.0	1233	1.0	0.7	0.59	0.30	0.6	8.8	8.7	8.8		0.22	19.5	1.8	8.52	17.82	5.13
6.0	1233	2.0			0.30	0.6		8.7	8.8		0.21	18.9		8.52	17.81	5.14
6.0	1233	3.0			0.30	0.6		8.7	8.7		0.21	19.1		8.62	17.80	5.21
6.0	1233	4.0			0.30	0.6		8.7	8.7		0.22	19.5		9.35	17.75	5.78
6.0	1233	5.0			0.30	0.6		8.7	8.7		0.26	21.4		9.47	17.75	5.87
6.0	1233	6.0			0.30	0.6		8.7	8.7		0.31	24.1		9.50	17.74	5.89
6.0	1233	7.0			0.30	0.6		8.7	8.7		0.36	26.6		9.59	17.73	5.97
6.0	1233	8.0			0.30	0.6		8.7	8.7		0.40	28.7		10.22	17.76	6.44
6.0	1233	9.0			0.30	0.6		8.6	8.7		0.40	28.9		10.97	17.82	6.99
6.0	1233	10.0			0.31	0.6		8.6	8.6		0.37	27.2		11.56	17.86	7.43
6.0	1233	11.0	0.5	0.34	0.31	0.6		8.5	8.6		0.36	26.7		12.10	17.91	7.84
7.0	1208	1.0					8.8	8.8	8.8	20.1	0.22	19.5	1.8	10.71	17.93	6.77
7.0	1208	2.0					8.8	8.8	8.8		0.22	19.3		10.75	17.90	6.81
7.0	1208	3.0					8.6	8.6	8.6		0.22	19.2		12.53	17.90	8.16
7.0	1208	4.0					8.5	8.5	8.6		0.21	18.8		13.33	17.95	8.76
7.0	1208	5.0					8.5	8.5	8.6		0.19	17.6		13.47	17.95	8.87
7.0	1208	6.0					8.5	8.5	8.6		0.18	17.4		13.56	17.94	8.94
7.0	1208	7.0					8.5	8.5	8.6		0.20	18.4		13.66	17.95	9.01
7.0	1208	8.0					8.5	8.5	8.6		0.21	19.1		13.76	17.96	9.08
7.0	1208	9.0					8.5	8.5	8.6		0.22	19.7		13.87	17.97	9.17
7.0	1208	10.0					8.5	8.5	8.5		0.23	20.1		14.11	17.99	9.35
7.0	1208	11.0					8.5	8.5	8.5		0.23	19.8		14.43	18.01	9.58
7.0	1208	12.0					8.4	8.4	8.5		0.21	18.9		14.67	18.02	9.76
7.0	1208	13.0					8.4	8.4	8.5		0.21	18.7		14.71	18.03	9.80
7.0	1208	14.0					8.4	8.4	8.5		0.20	18.6		14.82	18.03	9.88
7.0	1208	15.0					8.4	8.4	8.4		0.21	19.0		15.14	18.05	10.11
7.0	1208	16.0					8.4	8.4	8.4		0.25	20.9		15.18	18.05	10.15

LOCATION: North San Francisco Bay
 DATE: October 6, 1993
 JULIAN DAY: 93279
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	OXYG	DISCR	OBS	SPM	CALC	EXCOF	SALIN	TEMP	SIGT
8.0	1100	1.0				0.30	0.6		8.2	8.3		14.8	0.15		15.9	1.5	14.68	18.13	9.75
8.0	1100	2.0				0.30	0.6		8.2	8.3			0.14		15.5		15.14	18.03	10.12
8.0	1100	3.0				0.29	0.6		8.2	8.3			0.15		15.7		15.55	18.01	10.43
8.0	1100	4.0				0.29	0.6		8.1	8.2			0.23		20.1		16.00	18.07	10.77
8.0	1100	5.0				0.28	0.6		8.1	8.2			0.19		17.8		16.22	18.07	10.94
8.0	1100	6.0				0.28	0.6		8.1	8.2			0.20		18.2		16.33	18.06	11.02
8.0	1100	7.0				0.28	0.6		8.1	8.2			0.17		16.5		16.47	18.06	11.13
8.0	1100	8.0				0.29	0.6		8.1	8.1			0.15		15.6		17.35	18.08	11.79
8.0	1100	9.0				0.29	0.6		8.0	8.1			0.14		15.4		17.52	18.08	11.92
8.0	1100	10.0				0.29	0.6		8.0	8.1			0.14		15.5		17.52	18.08	11.92
8.0	1100	11.0				0.29	0.6		8.0	8.1			0.15		15.9		17.74	18.08	12.08
8.0	1100	12.0				0.29	0.6		8.0	8.1			0.16		16.1		18.14	18.06	12.39
8.0	1100	13.0				0.30	0.6		7.9	8.0			0.15		15.7		18.78	18.02	12.89
8.0	1100	14.0				0.30	0.6		7.9	8.0			0.16		16.4		19.08	18.00	13.12
8.0	1100	15.0				0.30	0.6		7.9	8.0			0.31		23.9		19.26	18.00	13.26
9.0	1113	1.0	0.4	0.40				8.2	8.2	8.3		20.2	0.13		14.5	1.6	15.61	17.93	10.50
9.0	1113	2.0							8.1	8.2			0.16		16.1		16.13	17.96	10.89
9.0	1113	3.0							8.1	8.2			0.18		17.1		16.46	17.94	11.15
9.0	1113	4.0							8.1	8.2			0.20		18.2		16.99	17.94	11.55
9.0	1113	5.0							8.1	8.1			0.20		18.6		17.47	17.98	11.90
9.0	1113	6.0							8.0	8.1			0.23		20.1		17.59	18.01	11.99
9.0	1113	7.0							8.0	8.1			0.25		20.8		17.62	18.02	12.00
9.0	1113	8.0							8.0	8.1			0.25		21.2		17.65	18.03	12.02
9.0	1113	9.0							8.0	8.1			0.26		21.6		18.00	18.03	12.30
9.0	1113	10.0							8.0	8.1			0.25		21.1		18.28	18.01	12.51
9.0	1113	11.0							8.0	8.1			0.25		21.0		18.32	18.01	12.54
9.0	1113	12.0							8.0	8.1			0.27		21.9		18.56	18.00	12.73
9.0	1113	13.0							7.9	8.0			0.30		23.4		18.94	17.98	13.02
9.0	1113	14.0							7.9	8.0			0.32		24.5		19.94	17.93	13.79
9.0	1113	15.0							7.9	8.0			0.31		24.3		20.13	17.91	13.94

LOCATION: North San Francisco Bay
 DATE: October 6, 1993
 JULIAN DAY: 93279
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
9.0	1113	16.0					7.9	8.0	8.0	0.27	22.0	20.16	17.91	13.96			
9.0	1113	17.0					7.9	8.0	8.0	0.28	22.3	20.15	17.91	13.96			
9.0	1113	18.0					7.9	8.0	8.0	0.28	22.6	20.16	17.91	13.96			
9.0	1113	19.0	0.6	0.37			7.9	8.0	8.0	0.29	23.1	20.16	17.91	13.97			
10.0	1055	1.0				8.1	8.2	15.0	13.8	0.11	1.4	15.71	17.85	10.59			
10.0	1055	2.0				8.0	8.1	0.11	13.9	0.11	16.37	17.91	11.08				
10.0	1055	3.0				8.0	8.1	0.13	14.5	0.13	16.66	17.91	11.30				
10.0	1055	4.0				7.9	8.0	0.13	14.9	0.13	18.16	17.90	12.45				
10.0	1055	5.0				7.8	7.9	0.14	15.2	0.14	18.97	17.90	13.06				
10.0	1055	6.0				7.8	7.9	0.15	15.7	0.15	19.30	17.89	13.31				
10.0	1055	7.0				7.8	7.9	0.16	16.1	0.16	19.41	17.89	13.40				
10.0	1055	8.0				7.8	7.9	0.16	16.4	0.16	19.48	17.89	13.45				
10.0	1055	9.0				7.8	7.9	0.17	16.8	0.17	19.87	17.89	13.75				
10.0	1055	10.0				7.8	7.9	0.19	17.8	0.19	20.12	17.88	13.94				
10.0	1055	11.0				7.8	7.9	0.22	19.7	0.22	20.13	17.88	13.94				
10.0	1055	12.0				7.8	7.9	0.25	20.9	0.25	20.53	17.85	14.26				
10.0	1055	13.0				7.8	7.9	0.24	20.5	0.24	20.78	17.85	14.45				
10.0	1055	14.0				7.8	7.9	0.20	18.6	0.20	20.90	17.86	14.54				
10.0	1055	15.0				7.8	7.9	0.19	17.7	0.19	20.92	17.86	14.56				
10.0	1055	16.0				7.8	7.9	0.19	17.6	0.19	21.02	17.87	14.63				
10.0	1055	17.0				7.8	7.9	0.19	17.6	0.19	21.28	17.85	14.83				
10.0	1055	18.0				7.8	7.9	0.19	18.0	0.19	21.31	17.85	14.85				
11.0	1030	1.0				7.8	7.9	0.16	16.4	0.16	1.3	19.26	17.83	13.30			
11.0	1030	2.0				7.9	8.0	0.14	15.1	0.14	20.18	17.69	14.03				
11.0	1030	3.0				7.8	7.9	0.08	12.3	0.08	21.51	17.72	15.03				
11.0	1030	4.0				7.8	7.9	0.08	12.1	0.08	21.86	17.70	15.31				
11.0	1030	5.0				7.8	7.9	0.09	12.6	0.09	22.02	17.69	15.43				
11.0	1030	6.0				7.8	7.9	0.09	12.9	0.09	22.10	17.68	15.50				
11.0	1030	7.0				7.8	7.9	0.10	13.0	0.10	22.55	17.72	15.83				

LOCATION: North San Francisco Bay
 DATE: October 6, 1993
 JULIAN DAY: 93279
 SeaBird v4.026

STN	TIME	DEPTH	DIJSCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DIJSCR OXYG	CALC OXYG	DIJSCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
11.0	1030	8.0						7.9		0.10	13.2		22.89	17.70	16.09
11.0	1030	9.0						7.9		0.10	13.4		23.16	17.71	16.30
11.0	1030	10.0						7.7		0.11	13.6		23.30	17.73	16.40
11.0	1030	11.0						7.8		0.11	13.5		23.57	17.73	16.60
11.0	1030	12.0						7.8		0.11	13.7		23.81	17.71	16.79
11.0	1030	13.0						7.8		0.10	13.4		24.00	17.70	16.94
11.0	1030	14.0						7.8		0.10	13.1		24.11	17.71	17.02
11.0	1030	15.0						7.8		0.09	12.9		24.17	17.71	17.07
12.0	1010	1.0			1.32	0.8		8.2	14.7	0.15	15.7	1.3	21.61	17.26	15.21
12.0	1010	2.0			1.30	0.8		8.0		0.12	14.3		22.80	17.56	16.05
12.0	1010	3.0			1.29	0.8		7.9		0.09	12.8		23.63	17.55	16.69
12.0	1010	4.0			1.28	0.8		7.9		0.08	12.2		24.40	17.57	17.27
12.0	1010	5.0			1.27	0.8		7.9		0.07	11.5		24.96	17.60	17.69
12.0	1010	6.0			1.27	0.8		7.8		0.06	11.2		25.31	17.57	17.97
12.0	1010	7.0			1.27	0.8		7.8		0.05	10.7		25.71	17.54	18.28
12.0	1010	8.0			1.26	0.8		7.8		0.05	10.6		25.92	17.54	18.44
12.0	1010	9.0			1.25	0.8		7.8		0.06	11.3		26.06	17.55	18.55
12.0	1010	10.0			1.25	0.8		7.8		0.08	12.0		26.08	17.55	18.56
13.0	0845	1.0	1.3	0.63			7.9	8.0		-.00	7.8	0.8	24.88	17.23	17.71
13.0	0845	2.0						7.8		-.00	7.8		25.48	17.23	18.17
13.0	0845	3.0						7.8		-.00	7.8		26.07	17.21	18.63
13.0	0845	4.0						7.7		-.00	7.9		26.37	17.20	18.86
13.0	0845	5.0						7.7		0.00	8.0		26.69	17.21	19.11
13.0	0845	6.0						7.7		0.00	7.9		26.86	17.25	19.22
13.0	0845	7.0						7.7		0.00	8.1		26.96	17.27	19.30
13.0	0845	8.0						7.6		0.00	8.2		27.13	17.26	19.43
13.0	0845	9.0						7.6		0.01	8.4		27.20	17.23	19.49
13.0	0845	10.0						7.6		0.02	8.8		27.32	17.24	19.57
13.0	0845	11.0	0.7	0.45				7.6		0.03	9.5		27.34	17.24	19.59

LOCATION: North San Francisco Bay
 DATE: October 6, 1993
 JULIAN DAY: 93279
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
14.0	0826	1.0			0.40	0.6		7.5	7.6	6.1	0.01	8.2	0.8	26.94	17.08	19.32
14.0	0826	2.0			0.39	0.6		7.5	7.6		0.00	8.0		27.01	17.08	19.37
14.0	0826	3.0			0.38	0.6		7.5	7.6		0.01	8.2		27.23	17.09	19.54
14.0	0826	4.0			0.37	0.6		7.4	7.6		0.02	8.8		27.37	17.08	19.65
14.0	0826	5.0			0.37	0.6		7.4	7.6		0.02	8.9		27.46	17.08	19.72
14.0	0826	6.0			0.36	0.6		7.4	7.6		0.02	8.9		27.50	17.07	19.75
14.0	0826	7.0			0.36	0.6		7.5	7.6		0.02	8.9		27.54	17.06	19.79
14.0	0826	8.0			0.36	0.6		7.4	7.6		0.02	9.0		27.59	17.07	19.82
14.0	0826	9.0			0.37	0.6		7.4	7.6		0.02	8.9		27.64	17.06	19.86
14.0	0826	10.0			0.37	0.6		7.4	7.6		0.02	9.0		27.67	17.07	19.89
14.0	0826	11.0			0.39	0.6		7.4	7.6		0.02	9.0		27.69	17.07	19.90
14.0	0826	12.0			0.63	0.7		7.4	7.6		0.03	9.3		27.77	17.08	19.96
14.0	0826	13.0			0.92	0.7		7.4	7.6		0.04	9.7		27.81	17.08	19.99
14.0	0826	14.0			1.04	0.8		7.4	7.6		0.05	10.5		27.83	17.07	20.00
14.0	0826	15.0			1.03	0.8		7.4	7.6		0.06	11.3		27.84	17.07	20.01
15.0	0804	1.0						7.7	7.8		0.03	9.5	0.8	26.73	17.12	19.15
15.0	0804	2.0						7.7	7.8		0.03	9.4		26.74	17.10	19.16
15.0	0804	3.0						7.7	7.8		0.03	9.2		27.06	17.05	19.42
15.0	0804	4.0						7.7	7.8		0.02	8.9		27.27	17.01	19.59
15.0	0804	5.0						7.7	7.8		0.02	8.8		27.39	16.98	19.69
15.0	0804	6.0						7.6	7.8		0.02	8.8		27.56	16.93	19.83
15.0	0804	7.0						7.7	7.8		0.02	8.9		27.66	16.89	19.91
15.0	0804	8.0						7.6	7.7		0.02	9.1		27.68	16.87	19.94
15.0	0804	9.0						7.6	7.7		0.03	9.5		28.10	16.75	20.28
15.0	0804	10.0						7.6	7.7		0.03	9.4		28.39	16.65	20.53
15.0	0804	11.0						7.6	7.7		0.03	9.3		28.49	16.61	20.61
15.0	0804	12.0						7.6	7.7		0.02	9.2		28.56	16.59	20.67
15.0	0804	13.0						7.5	7.7		0.03	9.3		28.69	16.55	20.78
15.0	0804	14.0						7.5	7.7		0.03	9.3		28.89	16.47	20.95
15.0	0804	15.0						7.5	7.7		0.03	9.4		29.05	16.40	21.09

LOCATION: North San Francisco Bay

DATE: October 6, 1993

JULIAN DAY: 93279

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	OXYG	CALC	OXYG	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
15.0	0804	16.0								7.5	7.6	7.6	7.6		0.03	9.6		29.18	16.38	21.19
15.0	0804	17.0								7.5	7.6	7.6	7.6		0.04	10.0		29.28	16.35	21.27
15.0	0804	18.0								7.5	7.6	7.6	7.6		0.05	10.3		29.36	16.31	21.35
15.0	0804	19.0								7.5	7.7	7.7	7.7		0.05	10.4		29.39	16.28	21.38
15.0	0804	20.0								7.5	7.7	7.7	7.7		0.05	10.4		29.40	16.27	21.39
15.0	0804	21.0								7.5	7.7	7.7	7.7		0.04	10.2		29.42	16.26	21.40
15.0	0804	22.0								7.5	7.7	7.7	7.7		0.05	10.3		29.45	16.25	21.43
15.0	0804	23.0								7.5	7.7	7.7	7.7		0.05	10.6		29.46	16.23	21.44
15.0	0804	24.0								7.5	7.7	7.7	7.7		0.08	12.0		29.47	16.23	21.45
16.0	0733	1.0		1.5	0.52				7.4	7.5	7.6	7.6	7.6	11.3	0.00	8.2		29.52	16.01	21.54
16.0	0733	2.0								7.4	7.6	7.6	7.6		0.01	8.3		30.10	15.88	22.01
16.0	0733	3.0								7.4	7.6	7.6	7.6		0.03	9.5		30.13	15.87	22.04
16.0	0733	4.0								7.4	7.6	7.6	7.6		0.08	11.9		30.16	15.86	22.06
16.0	0733	5.0								7.4	7.6	7.6	7.6		0.08	11.8		30.20	15.85	22.09
16.0	0733	6.0								7.4	7.6	7.6	7.6		0.09	12.4		30.22	15.85	22.11
16.0	0733	7.0								7.4	7.6	7.6	7.6		0.12	14.0		30.26	15.84	22.14
16.0	0733	8.0								7.4	7.6	7.6	7.6		0.19	17.9		30.31	15.82	22.19
16.0	0733	9.0								7.4	7.6	7.6	7.6		0.26	21.7		30.32	15.82	22.19
16.0	0733	10.0								7.4	7.6	7.6	7.6		0.32	24.6		30.31	15.82	22.18
16.0	0733	11.0								7.4	7.6	7.6	7.6		0.30	23.8		30.32	15.82	22.19
16.0	0733	12.0								7.4	7.6	7.6	7.6		0.29	23.2		30.35	15.81	22.22
16.0	0733	13.0		1.8	0.39					7.4	7.6	7.6	7.6		0.28	22.6		30.38	15.79	22.24
18.0	1531	1.0		1.5	0.59				7.1	7.1	7.3	7.3	7.3	5.6	-.02	7.0	0.6	31.96	14.32	23.77
18.0	1531	2.0								7.1	7.3	7.3	7.3		-.03	6.2		31.96	14.32	23.77
18.0	1531	3.0								7.1	7.3	7.3	7.3		-.03	6.4		31.96	14.32	23.77
18.0	1531	4.0								7.1	7.3	7.3	7.3		-.03	6.4		31.96	14.30	23.78
18.0	1531	5.0								7.1	7.3	7.3	7.3		-.03	6.4		31.96	14.28	23.78
18.0	1531	6.0								7.1	7.3	7.3	7.3		-.03	6.5		31.97	14.27	23.79
18.0	1531	7.0								7.1	7.3	7.3	7.3		-.03	6.5		31.97	14.27	23.79

LOCATION: North San Francisco Bay
 DATE: October 6, 1993
 JULIAN DAY: 93279
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			CHL a	OXYG	OXYG	OXYG	SPM		SPM				
18.0	1531	8.0						7.1	7.3	7.3		-.02	6.8		31.97	14.26	23.79
18.0	1531	9.0						7.1	7.3	7.3		-.02	7.0		31.97	14.26	23.79
18.0	1531	10.0						7.1	7.3	7.3		-.02	6.9		31.97	14.26	23.80
18.0	1531	11.0						7.2	7.3	7.3		-.02	7.0		31.97	14.25	23.80
18.0	1531	12.0						7.2	7.3	7.3		-.01	7.1		31.97	14.25	23.80
18.0	1531	13.0						7.2	7.3	7.3		-.02	7.1		31.97	14.25	23.80
18.0	1531	14.0						7.2	7.3	7.3		-.01	7.3		31.97	14.25	23.80
18.0	1531	15.0						7.2	7.3	7.3		-.01	7.1		31.97	14.25	23.80
18.0	1531	16.0						7.2	7.3	7.3		-.01	7.1		31.97	14.25	23.80
18.0	1531	17.0						7.2	7.4	7.4		-.01	7.2		31.98	14.25	23.80
18.0	1531	18.0						7.2	7.4	7.4		-.01	7.2		31.98	14.25	23.80
18.0	1531	19.0						7.2	7.4	7.4		-.01	7.1		31.98	14.25	23.80
18.0	1531	20.0						7.2	7.4	7.4		-.01	7.3		31.98	14.25	23.80
18.0	1531	21.0						7.2	7.3	7.3		-.02	7.0		31.98	14.24	23.81
18.0	1531	22.0						7.2	7.3	7.3		-.02	7.0		31.99	14.24	23.81
18.0	1531	23.0						7.2	7.4	7.4		-.01	7.2		31.99	14.24	23.81
18.0	1531	24.0						7.2	7.4	7.4		-.01	7.3		31.99	14.24	23.81
18.0	1531	25.0						7.3	7.4	7.4		-.01	7.5		31.99	14.24	23.81
18.0	1531	26.0						7.3	7.4	7.4		-.01	7.5		31.99	14.23	23.82
18.0	1531	27.0						7.3	7.4	7.4		-.01	7.4		32.00	14.23	23.82
18.0	1531	28.0						7.3	7.4	7.4		-.01	7.6		32.00	14.22	23.83
18.0	1531	29.0						7.3	7.4	7.4		-.00	7.7		32.01	14.22	23.83
18.0	1531	30.0						7.3	7.4	7.4		0.00	7.9		32.00	14.22	23.83
18.0	1531	31.0						7.2	7.4	7.4		-.00	7.8		32.01	14.20	23.84
18.0	1531	32.0						7.2	7.4	7.4		-.00	7.8		32.01	14.20	23.84
18.0	1531	33.0						7.2	7.4	7.4		0.00	8.0		32.02	14.19	23.84
18.0	1531	34.0						7.2	7.4	7.4		0.00	8.0		32.02	14.19	23.85
18.0	1531	35.0	1.6	0.48				7.2	7.4	7.4	9.1	0.00	8.1		32.02	14.19	23.85
18.0	1531	36.0						7.2	7.4	7.4		0.01	8.3		32.02	14.19	23.85
18.0	1531	37.0						7.2	7.4	7.4		0.01	8.4		32.02	14.19	23.84

LOCATION: North San Francisco Bay
 DATE: October 6, 1993
 JULIAN DAY: 93279
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
12.5	0900	1.0	0.8	0.55			7.9	8.0	6.6	0.01	8.3	0.8	24.34	17.26	17.30
12.5	0900	2.0					7.9	8.0		0.01	8.2		24.56	17.37	17.44
12.5	0900	3.0					7.7	7.8		0.01	8.2		25.73	17.55	18.29
12.5	0900	4.0					7.6	7.7		0.01	8.5		26.25	17.54	18.69
12.5	0900	5.0					7.6	7.7		0.02	8.9		26.63	17.42	19.01
12.5	0900	6.0	2.3	0.82			7.6	7.7	8.4	0.03	9.5		26.79	17.36	19.15
12.5	0900	7.0					7.6	7.7		0.03	9.5		26.84	17.34	19.19
12.5	0900	8.0					7.6	7.7		0.03	9.4		26.88	17.33	19.22
4.1	1337	1.0	0.8	0.59	1.43	0.9	8.8	8.8	23.4	0.32	24.5	2.2	4.03	18.41	1.60
4.1	1337	2.0			1.35	0.8	8.6	8.6		0.30	23.5		4.07	18.35	1.64
4.1	1337	3.0			1.30	0.8	8.7	8.7		0.32	24.7		4.58	17.98	2.10
4.1	1337	4.0			1.26	0.8	8.7	8.7		0.47	32.3		4.92	17.91	2.38
4.1	1337	5.0			1.28	0.8	8.7	8.7		0.48	33.2		5.15	17.88	2.56
4.1	1337	6.0			1.32	0.8	8.7	8.8		0.56	37.1		5.26	17.87	2.64
4.1	1337	7.0	0.9	0.70	1.33	0.8	8.7	8.8		0.56	37.2		5.31	17.87	2.68
4.1	1337	8.0			1.33	0.8	8.7	8.8		0.63	40.6		5.37	17.87	2.73

	n	r ²	slope	Inter.	Std. Err.
Fluorometer Calibration:	6	0.638	0.216	0.543	0.101
OBS Calibration:	18	0.944	52.266	7.918	1.987
Dissolved Oxygen Calibration:	12	0.976	0.924	0.700	0.046

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

NOTE: station 18 from 5 October

LOCATION: Non-standard stations: San Francisco Bay

DATE: October 7, 1993

JULIAN DAY: 93280

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	OXYG												
24.0	1900	1.0			0.38	0.6		6.7	6.9		-01	7.1		30.14	17.30	21.72
24.0	1900	2.0			0.38	0.6		6.7	6.9		-00	7.8		30.14	17.28	21.72
24.0	1900	3.0			0.38	0.6		6.7	6.9		-01	7.6		30.14	17.29	21.72
24.0	1900	4.0			0.38	0.6		6.7	6.9		0.00	8.2		30.14	17.27	21.73
24.0	1900	5.0			0.38	0.6		6.7	6.9		0.00	7.9		30.14	17.27	21.73
24.0	1900	6.0			0.38	0.6		6.7	6.9		-00	7.7		30.15	17.22	21.74
24.0	1900	7.0			0.37	0.6		6.6	6.8		0.01	8.3		30.14	17.22	21.74
24.0	1900	8.0			0.36	0.6		6.6	6.8		-00	7.8		30.15	17.13	21.77
24.0	1900	9.0			0.35	0.6		6.6	6.8		0.02	8.8		30.15	17.12	21.77
24.0	1900	10.0			0.34	0.6		6.6	6.8		0.01	8.7		30.16	17.10	21.78
24.0	1900	11.0			0.34	0.6		6.6	6.8		0.03	9.4		30.16	17.08	21.78
6.0	1200	1.0			0.34	0.6		8.5	8.6		0.29	23.1	1.7	9.50	17.91	5.86
6.0	1200	2.0			0.34	0.6		8.5	8.6		0.27	21.8		9.52	17.90	5.87
6.0	1200	3.0			0.34	0.6		8.4	8.5		0.26	21.7		9.55	17.91	5.89
6.0	1200	4.0			0.34	0.6		8.4	8.4		0.27	21.9		10.58	17.84	6.69
6.0	1200	5.0			0.34	0.6		8.4	8.4		0.42	29.8		11.26	17.82	7.21
6.0	1200	6.0			0.33	0.6		8.3	8.4		0.51	34.4		11.60	17.86	7.47
6.0	1200	7.0			0.33	0.6		8.3	8.4		0.51	34.8		11.99	17.90	7.76
6.0	1200	8.0			0.33	0.6		8.3	8.3		0.44	31.0		12.03	17.90	7.78
6.0	1200	9.0			0.33	0.6		8.3	8.4		0.41	29.1		12.04	17.90	7.79
8.0	1428	1.0			1.31	0.8		8.1	8.2		0.09	12.9	1.3	13.77	18.46	8.99
8.0	1428	2.0			1.22	0.8		8.1	8.2		0.09	12.7		14.50	18.13	9.61
8.0	1428	3.0			1.13	0.8		8.1	8.2		0.09	12.8		15.13	18.01	10.11
8.0	1428	4.0			1.09	0.8		8.1	8.2		0.10	13.1		14.78	18.07	9.84
8.0	1428	5.0			1.09	0.8		8.1	8.2		0.10	13.4		15.60	17.99	10.48
8.0	1428	6.0			1.07	0.8		8.1	8.2		0.10	13.1		16.11	17.98	10.86
8.0	1428	7.0			1.09	0.8		8.0	8.1		0.10	13.2		16.53	17.96	11.19
8.0	1428	8.0			1.13	0.8		8.0	8.1		0.10	13.3		17.14	17.93	11.66
8.0	1428	9.0			1.13	0.8		8.0	8.1		0.10	13.2		17.34	17.93	11.81

LOCATION: Non-standard stations: San Francisco Bay

DATE: October 7, 1993

JULIAN DAY: 93280

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT	
8.0	1428	10.0			1.05	0.8		8.0	8.1		0.10	13.2		17.44	17.92	11.90	
8.0	1428	11.0			1.01	0.8		8.0	8.1		0.10	13.4		17.59	17.92	12.01	
8.0	1428	12.0			1.07	0.8		8.0	8.1		0.10	13.1		17.60	17.92	12.02	
8.0	1428	13.0			1.08	0.8		8.0	8.1		0.10	13.1		17.93	17.91	12.27	
8.0	1428	14.0			1.08	0.8		7.9	8.0		0.10	12.9		18.53	17.88	12.73	
8.0	1428	15.0			1.08	0.8		7.9	8.0		0.21	19.1		18.84	17.87	12.97	
8.0	1428	16.0			1.07	0.8		7.9	8.0		0.40	28.6		18.90	17.87	13.01	
757	0708	1.0			0.39	0.6					0.21	18.7	2.0	0.21	18.81	0.00	
757	0708	2.0			0.39	0.6					0.20	18.6		0.21	18.81	0.00	
757	0708	3.0			0.39	0.6					0.20	18.6		0.21	18.81	0.00	
757	0708	4.0			0.39	0.6					0.20	18.5		0.21	18.81	0.00	
757	0708	5.0			0.40	0.6					0.20	18.5		0.21	18.81	0.00	
757	0708	6.0			0.40	0.6					0.20	18.3		0.21	18.81	0.00	
757	0708	7.0			0.41	0.6					0.21	18.7		0.21	18.81	0.00	
757	0708	8.0			0.41	0.6					0.20	18.5		0.21	18.81	0.00	
757	0708	9.0			0.41	0.6					0.20	18.5		0.21	18.81	0.00	
757	0708	10.0			0.41	0.6					0.20	18.5		0.21	18.81	0.00	
757	0708	11.0			0.41	0.6					0.20	18.5		0.21	18.81	0.00	
757	0708	12.0			0.41	0.6					0.19	18.1		0.21	18.81	0.00	
757	0708	13.0			0.40	0.6					0.17	17.0		0.21	18.79	0.00	
757	0708	14.0			0.41	0.6					0.15	16.0		0.20	18.80	0.00	
757	0708	15.0			0.41	0.6					0.23	19.7		0.20	18.80	0.00	
.....													n	r ²	Slope	Inter.	Std. Err.

Fluorometer Calibration:

OBS Calibration:

Dissolved Oxygen Calibration:

0.638
0.944
0.976

6
18
12

0.216
52.266
0.924

0.543
7.918
0.700

0.101
1.987
0.046

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples on Oct 5,6.
NOTE: October 6 North Bay Fluorometer and OBS Calibration used.

LOCATION: North San Francisco Bay

DATE: November 8, 1993

JULIAN DAY: 93312

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ u+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OXYG	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
657.0	1856	1.0	0.8	0.49	0.55	0.7	12.0	0.05	0.05	8.5	0.07	14.86	0.00					
657.0	1856	2.0			0.55	0.7		0.05	0.05	8.5	0.07	14.86	0.00					
657.0	1856	3.0			0.56	0.7		0.05	0.05	8.6	0.07	14.88	0.00					
657.0	1856	4.0			0.57	0.7		0.05	0.05	8.6	0.07	14.87	0.00					
657.0	1856	5.0			0.57	0.7		0.06	0.06	8.7	0.07	14.89	0.00					
657.0	1856	6.0			0.58	0.8		0.06	0.06	8.8	0.07	14.89	0.00					
657.0	1856	7.0			0.58	0.8		0.06	0.06	8.7	0.07	14.89	0.00					
657.0	1856	8.0			0.58	0.7		0.06	0.06	8.7	0.07	14.89	0.00					
657.0	1856	9.0			0.58	0.7		0.05	0.05	8.6	0.07	14.89	0.00					
657.0	1856	10.0			0.57	0.7		0.06	0.06	8.7	0.07	14.89	0.00					
657.0	1856	11.0			0.57	0.7		0.06	0.06	8.8	0.07	14.91	0.00					
653.0	1831	1.0			0.62	0.8	11.9	0.12	0.12	12.8	0.14	15.31	0.00					
653.0	1831	2.0			0.61	0.8		0.10	0.10	11.8	0.14	15.31	0.00					
653.0	1831	3.0			0.62	0.8		0.10	0.10	11.8	0.14	15.31	0.00					
653.0	1831	4.0			0.63	0.8		0.10	0.10	11.9	0.14	15.32	0.00					
653.0	1831	5.0			0.63	0.8		0.11	0.11	12.2	0.14	15.32	0.00					
653.0	1831	6.0			0.63	0.8		0.10	0.10	12.0	0.14	15.32	0.00					
653.0	1831	7.0			0.63	0.8		0.10	0.10	11.8	0.14	15.32	0.00					
653.0	1831	8.0			0.64	0.9		0.10	0.10	11.5	0.14	15.32	0.00					
653.0	1831	9.0			0.64	0.9		0.09	0.09	11.4	0.14	15.32	0.00					
653.0	1831	10.0			0.64	0.9		0.10	0.10	11.5	0.14	15.32	0.00					
653.0	1831	11.0			0.65	0.9		0.09	0.09	11.3	0.14	15.32	0.00					
649.0	1802	1.0	0.9	0.48				0.18	0.18	17.6	0.75	15.92	0.00					
649.0	1802	2.0						0.21	0.21	19.5	0.88	16.04	0.00					
649.0	1802	3.0						0.21	0.21	19.8	1.01	16.07	0.00					
649.0	1802	4.0						0.24	0.24	21.6	1.14	16.12	0.00					
649.0	1802	5.0						0.26	0.26	22.8	1.46	16.23	0.03					
649.0	1802	6.0						0.24	0.24	21.3	1.78	16.31	0.27					
649.0	1802	7.0						0.22	0.22	20.2	1.82	16.34	0.29					

LOCATION: North San Francisco Bay
 DATE: November 8, 1993
 JULIAN DAY: 93312
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PMA	FLUOR	CALC	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
649.0	1802	8.0												19.6	0.21	19.6	19.6		1.89	16.42	0.33
649.0	1802	9.0												19.0	0.20	19.0	19.0		1.99	16.52	0.39
649.0	1802	10.0												19.0	0.20	19.0	19.0		2.29	16.79	0.57
649.0	1802	11.0												17.1	0.18	17.1	17.1		2.32	16.81	0.59
2.0	1742	1.0												18.1	0.19	18.1	18.1		2.03	16.69	0.39
2.0	1742	2.0												17.2	0.18	17.2	17.2		2.15	16.70	0.48
2.0	1742	3.0												18.2	0.19	18.2	18.2		2.33	16.71	0.61
2.0	1742	4.0												18.2	0.19	18.2	18.2		2.67	16.81	0.86
2.0	1742	5.0												17.7	0.19	17.7	17.7		2.87	16.87	1.00
2.0	1742	6.0												17.6	0.18	17.6	17.6		2.98	16.91	1.08
2.0	1742	7.0												17.8	0.19	17.8	17.8		3.03	16.92	1.12
2.0	1742	8.0												17.6	0.18	17.6	17.6		3.05	16.91	1.13
2.0	1742	9.0												17.4	0.18	17.4	17.4		3.06	16.92	1.14
2.0	1742	10.0												17.7	0.19	17.7	17.7		3.42	16.92	1.41
2.0	1742	11.0												16.6	0.17	16.6	16.6		4.10	16.94	1.93
2.0	1742	12.0												15.0	0.15	15.0	15.0		4.24	16.93	2.04
3.0	1727	1.0	0.5	0.36					8.5	8.9	8.6	8.6	17.9	16.7	0.17	16.7	16.7		3.01	16.78	1.13
3.0	1727	2.0								8.9	8.6	8.6		18.4	0.19	18.4	18.4		3.19	16.80	1.26
3.0	1727	3.0								8.9	8.7	8.7		19.5	0.21	19.5	19.5		3.37	16.82	1.40
3.0	1727	4.0								8.9	8.6	8.6		20.0	0.22	20.0	20.0		3.56	16.85	1.53
3.0	1727	5.0								8.9	8.7	8.7		19.8	0.21	19.8	19.8		3.77	16.88	1.69
3.0	1727	6.0								8.9	8.7	8.7		19.0	0.20	19.0	19.0		3.99	16.91	1.85
3.0	1727	7.0								9.0	8.7	8.7		18.6	0.20	18.6	18.6		4.23	16.94	2.03
3.0	1727	8.0								8.9	8.7	8.7		17.8	0.19	17.8	17.8		4.55	16.99	2.27
3.0	1727	9.0								9.0	8.7	8.7		17.1	0.18	17.1	17.1		4.77	16.99	2.43
3.0	1727	10.0								9.0	8.7	8.7		16.6	0.17	16.6	16.6		4.87	16.99	2.51
3.0	1727	11.0	0.6	0.31						8.9	8.7	8.7		15.7	0.16	15.7	15.7		4.90	16.98	2.54

UN1

LOCATION: North San Francisco Bay
 DATE: November 8, 1993
 JULIAN DAY: 93312
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
4.0	1702	1.0								13.2	0.14	14.2		4.29	16.86	2.09
4.0	1702	2.0									0.14	14.5		4.74	16.90	2.42
4.0	1702	3.0									0.14	14.6		5.01	16.92	2.63
4.0	1702	4.0									0.15	15.1		5.07	16.93	2.68
4.0	1702	5.0									0.15	15.0		5.15	16.93	2.74
4.0	1702	6.0									0.14	14.9		5.33	16.92	2.87
4.0	1702	7.0									0.15	15.1		5.51	16.90	3.01
4.0	1702	8.0									0.15	15.2		5.69	16.85	3.16
4.0	1702	9.0									0.15	15.3		5.83	16.82	3.27
4.0	1702	10.0									0.16	15.7		5.86	16.81	3.30
4.0	1702	11.0									0.17	16.5		5.95	16.82	3.37
4.0	1702	12.0									0.17	16.7		5.99	16.83	3.39
4.0	1702	13.0									0.17	16.9		6.05	16.83	3.44
4.0	1702	14.0									0.17	16.9		6.20	16.85	3.55
4.0	1702	15.0									0.17	16.7		6.33	16.87	3.64
4.0	1702	16.0									0.17	16.5		6.46	16.89	3.74
4.0	1702	17.0									0.17	16.3		6.48	16.89	3.75
5.0	1641	1.0										12.6	1.4	6.51	16.91	3.78
5.0	1641	2.0										13.1		6.76	16.86	3.97
5.0	1641	3.0										13.9		6.93	16.83	4.11
5.0	1641	4.0										14.7		7.04	16.79	4.20
5.0	1641	5.0										15.2		7.05	16.79	4.21
5.0	1641	6.0										15.8		7.11	16.78	4.25
5.0	1641	7.0										16.1		7.17	16.77	4.31
5.0	1641	8.0										16.7		7.22	16.77	4.34
5.0	1641	9.0										17.0		7.38	16.76	4.47
5.0	1641	10.0										17.4		8.72	16.68	5.51
5.0	1641	11.0										17.2		10.69	16.58	7.02
5.0	1641	12.0										16.9		11.43	16.57	7.59

LOCATION: North San Francisco Bay
 DATE: November 8, 1993
 JULIAN DAY: 93312
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
6.0	1609	1.0	1.0	0.50	0.66	0.9	8.5	8.8	8.6	6.6	0.06	9.1	1.2	9.20	16.68	5.87
6.0	1609	2.0			0.66	0.9		8.8	8.6		0.06	9.3		9.37	16.68	6.00
6.0	1609	3.0			0.66	0.9		8.8	8.6		0.07	9.9		9.45	16.67	6.06
6.0	1609	4.0			0.66	0.9		8.8	8.6		0.07	9.9		9.49	16.67	6.09
6.0	1609	5.0			0.65	0.9		8.9	8.6		0.08	10.0		9.52	16.67	6.11
6.0	1609	6.0			0.65	0.9		8.8	8.6		0.08	10.1		9.80	16.66	6.33
6.0	1609	7.0			0.66	0.9		8.8	8.6		0.08	10.5		9.91	16.65	6.42
6.0	1609	8.0			0.71	1.0		8.8	8.6		0.09	11.3		9.91	16.65	6.42
6.0	1609	9.0	0.8	0.48	0.73	1.0		8.8	8.6		0.09	11.3		9.91	16.65	6.42
7.0	1542	1.0			0.66	0.9	11.9	8.5	8.3		0.11	12.2	1.3	12.94	16.75	8.71
7.0	1542	2.0			0.65	0.9		8.5	8.3		0.10	11.8		13.10	16.75	8.83
7.0	1542	3.0			0.65	0.9		8.5	8.3		0.10	12.1		13.27	16.74	8.96
7.0	1542	4.0			0.65	0.9		8.5	8.3		0.11	12.7		13.44	16.74	9.09
7.0	1542	5.0			0.65	0.9		8.5	8.3		0.12	12.8		13.60	16.74	9.21
7.0	1542	6.0			0.65	0.9		8.5	8.3		0.13	13.5		13.65	16.73	9.25
7.0	1542	7.0			0.65	0.9		8.5	8.3		0.13	13.6		13.62	16.73	9.23
7.0	1542	8.0			0.65	0.9		8.5	8.3		0.12	13.2		13.68	16.74	9.28
7.0	1542	9.0			0.66	0.9		8.5	8.3		0.13	13.6		13.86	16.74	9.41
7.0	1542	10.0			0.67	0.9		8.5	8.3		0.13	13.9		14.07	16.74	9.57
7.0	1542	11.0			0.68	0.9		8.5	8.3		0.14	14.3		14.35	16.75	9.78
7.0	1542	12.0			0.68	0.9		8.5	8.3		0.16	15.8		14.57	16.76	9.95
8.0	1504	1.0			0.74	1.0		8.6	8.4		0.08	10.0	1.1	14.13	17.15	9.54
8.0	1504	2.0			0.74	1.0		8.6	8.4		0.07	9.7		14.55	17.08	9.87
8.0	1504	3.0			0.72	1.0		8.6	8.4		0.06	8.9		14.65	17.06	9.95
8.0	1504	4.0			0.71	1.0		8.6	8.4		0.06	8.9		14.90	17.01	10.15
8.0	1504	5.0			0.70	1.0		8.6	8.4		0.06	9.0		15.54	16.94	10.65
8.0	1504	6.0			0.69	1.0		8.5	8.3		0.06	9.2		15.86	16.97	10.89
8.0	1504	7.0			0.69	1.0		8.5	8.3		0.07	9.8		15.92	16.98	10.93
8.0	1504	8.0			0.70	1.0		8.5	8.3		0.07	9.6		15.95	17.00	10.95

LOCATION: North San Francisco Bay
 DATE: November 8, 1993
 JULIAN DAY: 93312
 SeeBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PMA	FLUOR	CALC	DISCR	CHL a	OXYG	DISCR	OXYG	CALC	OXYG	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT	
8.0	1504	9.0			0.71	1.0	8.5	8.4		8.4	0.07	9.6	15.95	17.00	10.95							
8.0	1504	10.0			0.71	1.0	8.6	8.4		8.4	0.07	9.6	15.96	17.01	10.96							
8.0	1504	11.0			0.72	1.0	8.6	8.4		8.4	0.07	9.8	15.97	17.02	10.96							
8.0	1504	12.0			0.73	1.0	8.6	8.4		8.4	0.07	9.6	16.00	17.04	10.98							
9.0	1431	1.0	1.2	0.60			8.4	8.2	8.2	8.2	0.07	9.4	17.32	17.16	11.97			1.0				
9.0	1431	2.0					8.4	8.2		8.2	0.06	8.9	17.37	17.15	12.01							
9.0	1431	3.0					8.4	8.2		8.2	0.06	8.9	17.59	17.11	12.18							
9.0	1431	4.0					8.3	8.2		8.2	0.05	8.6	17.88	17.05	12.41							
9.0	1431	5.0					8.3	8.2		8.2	0.05	8.5	18.41	16.96	12.84							
9.0	1431	6.0					8.2	8.1		8.1	0.06	9.1	18.78	16.87	13.14							
9.0	1431	7.0					8.2	8.1		8.1	0.06	9.0	18.69	16.88	13.07							
9.0	1431	8.0					8.2	8.1		8.1	0.06	9.1	18.73	16.88	13.10							
9.0	1431	9.0					8.2	8.1		8.1	0.07	9.4	18.73	16.87	13.10							
9.0	1431	10.0					8.2	8.1		8.1	0.07	9.6	18.76	16.87	13.13							
9.0	1431	11.0					8.2	8.1		8.1	0.07	9.8	18.93	16.84	13.26							
9.0	1431	12.0					8.2	8.1		8.1	0.08	10.1	19.03	16.83	13.33							
9.0	1431	13.0					8.2	8.1		8.1	0.07	9.9	19.07	16.82	13.37							
9.0	1431	14.0					8.2	8.1		8.1	0.08	10.1	19.13	16.82	13.41							
9.0	1431	15.0		0.8	0.47		8.2	8.1		8.1	0.08	10.1	19.25	16.81	13.51							
9.0	1431	16.0					8.2	8.1		8.1	0.08	10.1	19.35	16.80	13.58							
9.0	1431	17.0					8.2	8.1		8.1	0.08	10.1	19.40	16.79	13.62							
9.0	1431	18.0					8.2	8.1		8.1	0.08	10.3	19.42	16.79	13.64							
9.0	1431	19.0					8.3	8.1		8.1	0.08	10.3	19.42	16.79	13.64							
9.0	1431	20.0					8.3	8.1		8.1	0.08	10.1	19.42	16.79	13.64							
9.0	1431	21.0					8.3	8.2		8.2	0.08	10.3	19.41	16.79	13.64							
9.0	1431	22.0					8.3	8.2		8.2	0.08	10.2	19.48	16.79	13.69							
9.0	1431	23.0					8.3	8.1		8.1	0.08	10.3	19.58	16.78	13.77							
9.0	1431	24.0					8.3	8.1		8.1	0.08	10.3	19.60	16.78	13.78							
9.0	1431	25.0					8.3	8.2		8.2	0.08	10.3	19.64	16.77	13.81							
9.0	1431	26.0					8.3	8.2		8.2	0.08	10.4	19.74	16.76	13.89							

LOCATION: North San Francisco Bay
 DATE: November 8, 1993
 JULIAN DAY: 93312
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
9.0	1431	27.0				8.3	8.1	8.1	0.08	10.3	19.92	16.74	14.03			
9.0	1431	28.0				8.2	8.1	8.1	0.08	10.3	20.05	16.72	14.13			
9.0	1431	29.0				8.2	8.1	8.1	0.09	10.8	20.14	16.72	14.21			
9.0	1431	30.0				8.2	8.1	8.1	0.09	11.0	20.19	16.71	14.25			
9.0	1431	31.0				8.3	8.1	8.1	0.09	11.1	20.18	16.71	14.24			
9.0	1431	32.0				8.3	8.1	8.1	0.09	10.9	20.22	16.71	14.26			
9.0	1431	33.0				8.3	8.1	8.1	0.10	11.8	20.32	16.70	14.35			
9.0	1431	34.0				8.2	8.1	8.1	0.11	12.5	20.33	16.70	14.35			
9.0	1431	35.0				8.3	8.1	8.1	0.13	14.0	20.34	16.70	14.36			
10.0	1416	1.0				8.0	8.0	8.0	0.08	10.8	1.1	19.99	16.80	14.08		
10.0	1416	2.0				8.1	8.0	8.0	0.08	10.4	20.04	16.79	14.12			
10.0	1416	3.0				8.1	8.0	8.0	0.08	10.1	20.09	16.78	14.15			
10.0	1416	4.0				8.1	8.0	8.0	0.08	10.2	20.16	16.77	14.21			
10.0	1416	5.0				8.1	8.0	8.0	0.08	10.3	20.20	16.77	14.24			
10.0	1416	6.0				8.1	8.0	8.0	0.08	10.1	20.32	16.75	14.34			
10.0	1416	7.0				8.1	8.0	8.0	0.07	9.9	20.47	16.73	14.45			
10.0	1416	8.0				8.1	8.0	8.0	0.07	9.9	20.63	16.70	14.58			
10.0	1416	9.0				8.1	8.0	8.0	0.07	9.9	20.84	16.68	14.75			
10.0	1416	10.0				8.1	8.0	8.0	0.09	10.7	21.11	16.67	14.96			
10.0	1416	11.0				8.1	8.0	8.0	0.10	11.9	21.31	16.65	15.11			
10.0	1416	12.0				8.1	8.0	8.0	0.12	13.2	21.31	16.65	15.11			
10.0	1416	13.0				8.1	8.0	8.0	0.13	13.8	21.43	16.64	15.21			
10.0	1416	14.0				8.1	8.0	8.0	0.14	14.3	21.42	16.64	15.20			
10.0	1416	15.0				8.1	8.0	8.0	0.14	14.9	21.44	16.64	15.22			
10.0	1416	16.0				8.1	8.0	8.0	0.15	15.5	21.52	16.64	15.27			
10.0	1416	17.0				8.1	8.0	8.0	0.18	17.1	21.57	16.64	15.31			
12.0	1321	1.0				1.04	1.6	1.6	0.01	5.4	0.9	21.83	16.77	15.49		
12.0	1321	2.0				1.07	1.6	1.6	0.02	5.9	22.36	16.64	15.91			
12.0	1321	3.0				1.06	1.6	1.6	0.02	6.0	22.98	16.53	16.42			

LOCATION: North San Francisco Bay

DATE: November 8, 1993

JULIAN DAY: 93312

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
12.0	1321	4.0			0.99	1.5	7.4	7.5		0.00	4.7		24.30	16.48	17.44
12.0	1321	5.0			0.92	1.4	7.4	7.5		-.01	4.2		25.24	16.47	18.16
12.0	1321	6.0			0.88	1.3	7.4	7.5		-.01	4.3		25.67	16.47	18.49
12.0	1321	7.0			0.86	1.3	7.4	7.5		0.01	5.3		25.80	16.46	18.58
12.0	1321	8.0			0.85	1.2	7.4	7.5		0.01	5.6		25.85	16.46	18.63
12.0	1321	9.0			0.85	1.2	7.4	7.5		0.02	6.2		25.87	16.46	18.64
12.0	1321	10.0			0.85	1.2	7.4	7.5		0.03	7.1		25.88	16.46	18.65
13.0	1220	1.0	1.4	0.72	1.02	1.5	8.0	7.9		-.03	2.4	0.7	22.98	16.96	16.32
13.0	1220	2.0			1.08	1.6	7.9	7.8		-.03	2.5		23.97	16.80	17.11
13.0	1220	3.0			1.18	1.8	7.8	7.8		-.03	2.8		24.53	16.72	17.56
13.0	1220	4.0			1.29	2.0	7.8	7.8		-.03	3.0		26.06	16.50	18.77
13.0	1220	5.0			1.27	2.0	7.7	7.7		-.03	2.9		26.55	16.38	19.18
13.0	1220	6.0			1.16	1.8	7.7	7.7		-.02	3.3		26.90	16.33	19.46
13.0	1220	7.0			1.07	1.6	7.7	7.7		-.01	3.7		27.00	16.30	19.54
13.0	1220	8.0			1.02	1.5	7.7	7.7		-.01	4.0		27.05	16.29	19.58
13.0	1220	9.0			0.99	1.5	7.7	7.7		0.01	5.5		27.08	16.28	19.61
13.0	1220	10.0	1.6	0.51	0.99	1.5	7.7	7.7		0.05	8.3		27.09	16.28	19.61
14.0	1158	1.0			1.29	2.0	7.4	7.4		-.02	3.4	0.7	26.34	16.43	19.01
14.0	1158	2.0			1.32	2.1	7.4	7.5		-.01	3.8		26.73	16.38	19.31
14.0	1158	3.0			1.29	2.0	7.4	7.5		-.01	4.0		26.92	16.38	19.47
14.0	1158	4.0			1.23	1.9	7.5	7.5		-.01	3.9		27.17	16.40	19.65
14.0	1158	5.0			1.18	1.8	7.5	7.5		-.01	4.0		27.34	16.35	19.79
14.0	1158	6.0			1.12	1.7	7.4	7.5		-.01	4.2		27.41	16.31	19.85
14.0	1158	7.0			1.06	1.6	7.4	7.5		-.00	4.4		27.49	16.27	19.92
14.0	1158	8.0			1.02	1.5	7.4	7.5		-.00	4.7		27.60	16.23	20.01
14.0	1158	9.0			1.00	1.5	7.4	7.5		0.00	5.1		27.67	16.20	20.08
14.0	1158	10.0			0.98	1.5	7.4	7.5		0.02	6.0		27.76	16.17	20.15
14.0	1158	11.0			0.96	1.4	7.4	7.5		0.04	7.3		27.80	16.16	20.19
14.0	1158	12.0			0.95	1.4	7.4	7.5		0.05	8.4		27.87	16.15	20.24

LOCATION: North San Francisco Bay

DATE: November 8, 1993

JULIAN DAY: 93312

Seabird v4.026

STN	TIME	DEPTH	DISCR		CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR		OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
			CHL a	OXYG														
14.0	1158	13.0			0.95	1.4	1.4	7.4	7.5	7.4	7.5	0.08	10.2		27.93	16.14	20.29	
14.0	1158	14.0			0.96	1.4	1.4	7.4	7.5	7.4	7.5	0.11	12.3		27.96	16.13	20.31	
15.0	1134	1.0	1.8	0.66	1.22	1.9	1.9	7.9	7.8	7.9	7.8	3.7	4.0	0.7	27.09	16.50	19.56	
15.0	1134	2.0			1.21	1.9	1.9	7.9	7.8	7.9	7.8	-0.1	4.0		27.08	16.46	19.56	
15.0	1134	3.0			1.20	1.9	1.9	7.9	7.8	7.9	7.8	-0.1	4.0		27.09	16.44	19.58	
15.0	1134	4.0			1.19	1.8	1.8	7.9	7.8	7.9	7.8	-0.1	4.0		27.12	16.48	19.60	
15.0	1134	5.0			1.19	1.8	1.8	7.9	7.9	7.9	7.9	-0.1	4.1		27.11	16.45	19.59	
15.0	1134	6.0			1.19	1.8	1.8	7.9	7.9	7.9	7.9	-0.1	4.2		27.10	16.43	19.59	
15.0	1134	7.0			1.18	1.8	1.8	7.9	7.9	7.9	7.9	-0.1	4.2		27.09	16.43	19.58	
15.0	1134	8.0			1.18	1.8	1.8	7.9	7.9	7.9	7.9	-0.1	3.9		27.12	16.42	19.60	
15.0	1134	9.0			1.18	1.8	1.8	7.9	7.9	7.9	7.9	-0.1	3.8		27.20	16.41	19.67	
15.0	1134	10.0			1.19	1.8	1.8	7.9	7.9	7.9	7.9	-0.1	3.9		27.29	16.42	19.74	
15.0	1134	11.0			1.19	1.8	1.8	7.9	7.9	7.9	7.9	-0.1	4.1		27.74	16.37	20.09	
15.0	1134	12.0			1.19	1.8	1.8	7.9	7.9	7.9	7.9	-0.1	4.1		27.92	16.31	20.24	
15.0	1134	13.0			1.18	1.8	1.8	7.9	7.8	7.9	7.8	-0.1	3.9		27.95	16.19	20.29	
15.0	1134	14.0			1.18	1.8	1.8	7.8	7.8	7.8	7.8	-0.1	4.3		28.05	16.15	20.38	
15.0	1134	15.0	2.0	0.61	1.17	1.8	1.8	7.8	7.8	7.8	7.8	-0.0	4.5		28.23	16.14	20.51	
15.0	1134	16.0			1.17	1.8	1.8	7.8	7.8	7.8	7.8	0.00	5.0		28.59	16.08	20.81	
15.0	1134	17.0			1.17	1.8	1.8	7.8	7.8	7.8	7.8	0.01	5.2		28.74	16.03	20.93	
15.0	1134	18.0			1.17	1.8	1.8	7.7	7.7	7.7	7.7	0.02	5.9		28.84	16.00	21.02	
15.0	1134	19.0			1.16	1.8	1.8	7.7	7.7	7.7	7.7	0.02	6.4		28.91	15.98	21.07	
15.0	1134	20.0			1.15	1.8	1.8	7.8	7.7	7.8	7.7	0.03	6.8		29.02	15.95	21.17	
15.0	1134	21.0			1.15	1.8	1.8	7.7	7.7	7.7	7.7	0.03	7.1		29.16	15.91	21.28	
15.0	1134	22.0			1.13	1.7	1.7	7.7	7.7	7.7	7.7	0.05	7.9		29.19	15.90	21.31	
15.0	1134	23.0			1.07	1.6	1.6	7.7	7.7	7.7	7.7	0.05	8.0		29.22	15.89	21.33	
15.0	1134	24.0			1.06	1.6	1.6	7.7	7.7	7.7	7.7	0.05	8.4		29.26	15.88	21.36	
16.0	1059	1.0			1.03	1.6	1.6	7.5	7.5	7.5	7.5	0.02	6.0	0.9	29.60	15.81	21.64	
16.0	1059	2.0			1.05	1.6	1.6	7.4	7.5	7.4	7.5	0.02	5.9		29.71	15.78	21.73	
16.0	1059	3.0			1.03	1.6	1.6	7.4	7.5	7.4	7.5	0.02	5.9		29.81	15.75	21.82	

LOCATION: North San Francisco Bay
 DATE: November 8, 1993
 JULIAN DAY: 93312
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	SPM	OBS	EXCOF	SALIN	TEMP	SIGT
16.0	1059	4.0			1.00	1.5			7.4	7.5		5.9	0.02		29.85	15.74	21.85
16.0	1059	5.0			0.94	1.4			7.4	7.5		5.9	0.02		29.99	15.72	21.96
16.0	1059	6.0			0.88	1.3			7.4	7.5		6.1	0.02		30.26	15.68	22.18
16.0	1059	7.0			0.82	1.2			7.4	7.4		6.8	0.03		30.36	15.66	22.25
16.0	1059	8.0			0.78	1.1			7.3	7.4		7.5	0.04		30.38	15.65	22.28
16.0	1059	9.0			0.77	1.1			7.3	7.4		7.9	0.05		30.40	15.64	22.29
16.0	1059	10.0			0.77	1.1			7.3	7.4		9.2	0.06		30.42	15.64	22.31
16.0	1059	11.0			0.78	1.1			7.3	7.4		10.3	0.08		30.44	15.63	22.32
16.0	1059	12.0			0.81	1.2			7.3	7.4		13.3	0.12		30.47	15.61	22.35
16.0	1059	13.0			0.82	1.2			7.4	7.5		20.1	0.22		30.48	15.61	22.36
18.0	0946	1.0	1.7	0.61				7.5	7.5	7.5		3.3	-.02		31.21	15.32	22.98
18.0	0946	2.0							7.4	7.5		3.1	-.02		31.34	15.25	23.10
18.0	0946	3.0							7.4	7.5		3.1	-.02		31.35	15.24	23.11
18.0	0946	4.0							7.4	7.5		2.8	-.03		31.38	15.22	23.14
18.0	0946	5.0							7.4	7.5		2.8	-.03		31.41	15.20	23.17
18.0	0946	6.0							7.4	7.5		2.6	-.03		31.43	15.19	23.18
18.0	0946	7.0							7.5	7.5		2.7	-.03		31.46	15.17	23.21
18.0	0946	8.0							7.5	7.5		2.2	-.04		31.53	15.15	23.26
18.0	0946	9.0							7.5	7.5		2.3	-.04		31.59	15.12	23.32
18.0	0946	10.0							7.5	7.5		2.0	-.04		31.66	15.09	23.38
18.0	0946	11.0							7.5	7.5		1.9	-.04		31.68	15.07	23.40
18.0	0946	12.0							7.5	7.5		2.3	-.04		31.70	15.06	23.42
18.0	0946	13.0							7.5	7.5		2.1	-.04		31.70	15.06	23.42
18.0	0946	14.0							7.5	7.5		2.2	-.04		31.70	15.06	23.42
18.0	0946	15.0							7.5	7.5		2.4	-.03		31.70	15.06	23.42
18.0	0946	16.0							7.5	7.5		2.5	-.03		31.71	15.06	23.42
18.0	0946	17.0							7.5	7.6		2.8	-.03		31.71	15.05	23.43
18.0	0946	18.0							7.5	7.5		2.8	-.03		31.72	15.04	23.44
18.0	0946	19.0							7.5	7.6		2.8	-.03		31.73	15.04	23.44
18.0	0946	20.0							7.5	7.6		2.8	-.03		31.73	15.04	23.44

LOCATION: North San Francisco Bay
 DATE: November 8, 1993
 JULIAN DAY: 93312
 Seabird v4.026

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18.0	0946	21.0					7.5	7.6		-.03	2.6		31.73	15.04	23.44
18.0	0946	22.0					7.5	7.6		-.03	2.7		31.73	15.04	23.44
18.0	0946	23.0					7.6	7.6		-.03	2.8		31.73	15.04	23.44
18.0	0946	24.0					7.6	7.6		-.03	3.0		31.73	15.04	23.44
18.0	0946	25.0					7.6	7.6		-.03	2.9		31.73	15.03	23.45
18.0	0946	26.0					7.6	7.6		-.02	3.3		31.74	15.03	23.45
18.0	0946	27.0					7.6	7.6		-.03	2.7		31.74	15.03	23.46
18.0	0946	28.0					7.6	7.6		-.03	2.6		31.75	15.02	23.46
18.0	0946	29.0					7.6	7.6		-.03	2.9		31.75	15.02	23.46
18.0	0946	30.0					7.6	7.6		-.03	2.6		31.75	15.02	23.46
18.0	0946	31.0					7.6	7.6		-.03	2.4		31.75	15.02	23.47
18.0	0946	32.0					7.6	7.6		-.03	2.6		31.75	15.02	23.47
18.0	0946	33.0					7.6	7.7		-.03	2.9		31.75	15.02	23.47
18.0	0946	34.0					7.6	7.7		-.03	2.6		31.75	15.02	23.47
18.0	0946	35.0					7.6	7.7		-.03	2.9		31.75	15.02	23.47
18.0	0946	36.0					7.7	7.7		-.03	2.9		31.76	15.02	23.47
18.0	0946	37.0					7.7	7.7		-.03	3.0		31.76	15.01	23.48
18.0	0946	38.0					7.7	7.7		-.02	3.4		31.77	15.01	23.48
18.0	0946	39.0					7.7	7.7		-.01	4.0		31.77	15.01	23.48
18.0	0946	40.0					7.7	7.7		0.01	5.6		31.77	15.01	23.48
18.0	0946	41.0	2.3	0.77			7.7	7.7		0.09	10.8		31.77	15.00	23.48

329

	n	r ²	Slope	Inter.	Std. Err.
Fluorometer Calibration:	7	0.890	1.786	-0.281	0.178
OBS Calibration:	8	0.828	70.145	4.740	1.915
Dissolved Oxygen Calibration:	7	0.897	0.774	1.741	0.151

LOCATION: South San Francisco Bay
 DATE: November 9, 1993
 JULIAN DAY: 93313
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
36.0	1735	1.0	3.6	0.63			7.7	7.3	19.2	0.21	18.9		26.11	17.42	18.61
36.0	1735	2.0					7.7	7.4		0.22	19.8		26.20	17.42	18.68
36.0	1735	3.0					7.8	7.5		0.24	20.7		26.23	17.43	18.70
36.0	1735	4.0					7.9	7.5		0.26	22.0		26.27	17.43	18.73
36.0	1735	5.0					7.9	7.6		0.28	23.4		26.28	17.43	18.74
36.0	1735	6.0					7.9	7.6		0.30	24.7		26.28	17.43	18.74
36.0	1735	7.0	4.4	0.67			7.9	7.5		0.35	27.4		26.28	17.43	18.74
35.0	1726	1.0	3.6	0.71			7.8	7.4	17.4	0.19	18.0		26.57	17.34	18.98
35.0	1726	2.0					7.8	7.4		0.18	17.1		26.64	17.34	19.03
35.0	1726	3.0					7.8	7.4		0.17	16.7		26.69	17.33	19.08
35.0	1726	4.0					7.8	7.5		0.16	16.2		26.73	17.32	19.10
35.0	1726	5.0					7.8	7.5		0.16	15.9		26.75	17.32	19.12
35.0	1726	6.0					7.8	7.5		0.15	15.3		26.74	17.32	19.12
35.0	1726	7.0					7.8	7.5		0.15	15.4		26.74	17.32	19.11
35.0	1726	8.0					7.8	7.5		0.15	15.2		26.74	17.32	19.12
35.0	1726	9.0					7.8	7.5		0.17	17.0		26.75	17.32	19.12
35.0	1726	10.0					7.8	7.5		0.21	19.2		26.75	17.32	19.12
34.0	1713	1.0	2.5	0.69			7.5	7.1		0.12	13.3		26.88	17.33	19.22
34.0	1713	2.0					7.5	7.1		0.16	15.8		27.23	17.30	19.49
34.0	1713	3.0					7.5	7.1		0.26	22.1		27.28	17.30	19.53
34.0	1713	4.0					7.5	7.1		0.29	23.9		27.27	17.30	19.53
33.0	1700	1.0	2.7	0.66			7.7	7.3		0.04	8.7		27.51	17.25	19.72
33.0	1700	2.0					7.7	7.4		0.04	8.8		27.52	17.27	19.73
33.0	1700	3.0					7.7	7.4		0.04	8.7		27.54	17.28	19.73
33.0	1700	4.0					7.7	7.4		0.05	9.1		27.61	17.33	19.78
33.0	1700	5.0					7.7	7.4		0.06	9.8		27.67	17.36	19.82
33.0	1700	6.0					7.7	7.4		0.06	10.2		27.73	17.38	19.86
33.0	1700	7.0					7.7	7.4		0.07	10.6		27.88	17.42	19.97

LOCATION: South San Francisco Bay
 DATE: November 9, 1993
 JULIAN DAY: 93313
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
33.0	1700	8.0						7.7	7.4		0.08	10.9		27.96	17.46	20.02
33.0	1700	9.0						7.6	7.3		0.08	11.0		28.00	17.46	20.04
33.0	1700	10.0						7.7	7.3		0.12	13.8		28.05	17.35	20.11
33.0	1700	11.0						7.7	7.4		0.19	17.6		28.08	17.42	20.12
33.0	1700	12.0						7.7	7.4		0.22	19.5		28.09	17.42	20.12
33.0	1700	13.0						7.7	7.4		0.28	23.1		28.10	17.43	20.13
33.0	1700	14.0						7.7	7.4		0.51	37.6		28.10	17.46	20.12
32.0	1652	1.0	2.8	0.69			7.4	7.8	7.5		0.04	8.7		27.67	17.20	19.85
32.0	1652	2.0						7.8	7.5		0.04	8.8		27.80	17.29	19.93
32.0	1652	3.0						7.7	7.4		0.06	9.7		27.92	17.38	20.00
32.0	1652	4.0						7.7	7.4		0.06	9.9		27.95	17.36	20.03
32.0	1652	5.0						7.7	7.4		0.06	10.1		28.01	17.40	20.07
32.0	1652	6.0						7.7	7.4		0.07	10.3		28.09	17.39	20.13
32.0	1652	7.0						7.8	7.4		0.07	10.8		28.17	17.40	20.19
32.0	1652	8.0						7.8	7.4		0.15	15.6		28.30	17.44	20.28
32.0	1652	9.0						7.8	7.5		0.27	22.6		28.36	17.47	20.32
32.0	1652	10.0						7.9	7.5		0.33	26.2		28.38	17.48	20.33
32.0	1652	11.0						7.9	7.5		0.40	30.9		28.38	17.49	20.33
32.0	1652	12.0	1.8	0.39				7.8	7.5		0.44	33.1		28.38	17.49	20.33
31.0	1641	1.0			1.26	3.3		7.9	7.6	8.8	0.04	8.7	1.1	28.04	17.25	20.13
31.0	1641	2.0			1.20	3.0		7.9	7.6		0.04	8.7		28.16	17.34	20.19
31.0	1641	3.0			1.06	2.4		7.8	7.5		0.05	9.5		28.38	17.49	20.33
31.0	1641	4.0			0.97	2.1		7.8	7.4		0.08	10.9		28.49	17.50	20.41
31.0	1641	5.0			0.95	2.0		7.8	7.5		0.10	12.3		28.49	17.48	20.41
31.0	1641	6.0			0.94	1.9		7.8	7.4		0.10	12.6		28.57	17.56	20.45
31.0	1641	7.0			0.91	1.8		7.8	7.4		0.11	13.2		28.64	17.54	20.52
31.0	1641	8.0			0.88	1.7		7.7	7.4		0.16	16.0		28.69	17.53	20.56
31.0	1641	9.0			0.87	1.6		7.7	7.4		0.22	19.8		28.71	17.52	20.57
31.0	1641	10.0			0.87	1.6		7.7	7.4		0.28	23.2		28.71	17.52	20.58

LOCATION: South San Francisco Bay
 DATE: November 9, 1993
 JULIAN DAY: 93313
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	1641	11.0			0.90	1.7	7.7	7.4	0.32	0.32	25.9		28.72	17.53	20.58
31.0	1641	12.0			0.93	1.9	7.7	7.4	0.43	0.43	32.3		28.73	17.56	20.58
31.0	1641	13.0			1.00	2.2	7.7	7.4	0.57	0.57	41.0		28.74	17.56	20.59
31.0	1641	14.0			1.02	2.2	7.7	7.4	0.77	0.77	53.1		28.74	17.56	20.59
30.0	1623	1.0	1.9	0.66	0.91	1.8	7.5	7.5	0.04	0.04	8.7	1.0	28.82	17.49	20.66
30.0	1623	2.0			0.91	1.8	7.9	7.5	0.04	0.04	8.8		28.86	17.48	20.70
30.0	1623	3.0			0.86	1.6	7.8	7.5	0.04	0.04	8.8		28.93	17.50	20.75
30.0	1623	4.0			0.80	1.3	7.7	7.4	0.04	0.04	9.0		28.97	17.52	20.77
30.0	1623	5.0			0.78	1.2	7.7	7.4	0.05	0.05	9.6		28.98	17.52	20.78
30.0	1623	6.0			0.77	1.2	7.7	7.4	0.07	0.07	10.7		28.98	17.52	20.78
30.0	1623	7.0			0.76	1.2	7.7	7.4	0.08	0.08	11.2		29.00	17.53	20.79
30.0	1623	8.0			0.76	1.2	7.7	7.4	0.09	0.09	11.7		29.03	17.53	20.82
30.0	1623	9.0			0.76	1.2	7.7	7.4	0.09	0.09	11.8		29.07	17.53	20.85
30.0	1623	10.0			0.76	1.2	7.7	7.4	0.10	0.10	12.3		29.10	17.52	20.87
30.0	1623	11.0			0.76	1.2	7.7	7.4	0.11	0.11	13.0		29.10	17.52	20.88
30.0	1623	12.0			0.77	1.2	7.8	7.4	0.13	0.13	14.3		29.11	17.51	20.88
30.0	1623	13.0			0.80	1.3	7.7	7.4	0.13	0.13	14.2		29.11	17.51	20.88
30.0	1623	14.0	1.0	0.29	0.80	1.3	7.7	7.4	0.12	0.12	13.5		29.09	17.52	20.87
29.5	1611	1.0	1.8	0.68	0.90	1.7	7.7	7.4	0.04	0.04	8.5	1.0	28.98	17.42	20.81
29.5	1611	2.0			0.93	1.9	7.8	7.5	0.03	0.03	8.2		28.99	17.43	20.81
29.5	1611	3.0			1.00	2.2	7.8	7.5	0.04	0.04	8.5		29.00	17.44	20.82
29.5	1611	4.0			1.02	2.2	7.8	7.4	0.03	0.03	8.4		29.04	17.48	20.84
29.5	1611	5.0			0.91	1.8	7.7	7.3	0.04	0.04	8.8		29.12	17.54	20.89
29.5	1611	6.0			0.86	1.6	7.6	7.3	0.05	0.05	9.6		29.16	17.55	20.91
29.5	1611	7.0			0.80	1.3	7.6	7.3	0.07	0.07	10.4		29.17	17.55	20.92
29.5	1611	8.0			0.78	1.2	7.6	7.3	0.08	0.08	11.1		29.20	17.56	20.94
29.5	1611	9.0			0.76	1.2	7.6	7.3	0.09	0.09	11.5		29.23	17.55	20.96
29.5	1611	10.0			0.80	1.3	7.6	7.3	0.12	0.12	13.5		29.26	17.54	20.99
29.5	1611	11.0			0.80	1.3	7.6	7.3	0.20	0.20	18.4		29.27	17.53	21.00

LOCATION: South San Francisco Bay
 DATE: November 9, 1993
 JULIAN DAY: 93313
 SeeBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
29.5	1611	12.0								7.7	7.3			0.29	23.7			29.29	17.50	21.02
29.5	1611	13.0								7.8	7.4			0.35	27.9			29.31	17.46	21.05
29.5	1611	14.0								7.8	7.4			0.70	49.2			29.34	17.40	21.08
29.0	1559	1.0								7.8	7.4		6.3	0.02	7.7		1.0	29.11	17.60	20.86
29.0	1559	2.0								7.7	7.4			0.03	8.0			29.16	17.59	20.90
29.0	1559	3.0								7.7	7.3			0.05	9.2			29.19	17.59	20.92
29.0	1559	4.0								7.7	7.3			0.06	9.8			29.22	17.58	20.95
29.0	1559	5.0								7.7	7.3			0.06	9.8			29.24	17.57	20.97
29.0	1559	6.0								7.7	7.3			0.06	9.8			29.25	17.56	20.98
29.0	1559	7.0								7.7	7.3			0.06	9.9			29.28	17.56	21.00
29.0	1559	8.0								7.7	7.3			0.06	9.8			29.30	17.55	21.02
29.0	1559	9.0								7.7	7.3			0.06	10.2			29.32	17.56	21.03
29.0	1559	10.0								7.7	7.3			0.07	10.6			29.34	17.56	21.05
29.0	1559	11.0								7.7	7.3			0.08	11.3			29.36	17.56	21.06
29.0	1559	12.0								7.7	7.3			0.08	11.3			29.37	17.56	21.07
29.0	1559	13.0								7.7	7.3			0.09	11.8			29.38	17.56	21.08
29.0	1559	14.0								7.7	7.3			0.10	12.6			29.39	17.56	21.09
29.0	1559	15.0								7.7	7.3			0.14	14.7			29.40	17.56	21.09
28.0	1545	1.0								7.7	7.4			0.02	7.3		1.0	29.43	17.65	21.10
28.0	1545	2.0								7.7	7.4			0.02	7.6			29.44	17.66	21.10
28.0	1545	3.0								7.7	7.4			0.04	8.5			29.44	17.67	21.10
28.0	1545	4.0								7.7	7.3			0.04	8.5			29.45	17.67	21.10
28.0	1545	5.0								7.7	7.3			0.05	9.2			29.46	17.66	21.11
28.0	1545	6.0								7.7	7.3			0.05	9.5			29.47	17.66	21.12
28.0	1545	7.0								7.7	7.3			0.06	9.9			29.48	17.65	21.13
28.0	1545	8.0								7.7	7.3			0.06	10.1			29.48	17.65	21.14
28.0	1545	9.0								7.7	7.4			0.07	10.4			29.48	17.65	21.14
28.0	1545	10.0								7.7	7.4			0.07	10.4			29.49	17.65	21.14
28.0	1545	11.0								7.7	7.4			0.07	10.5			29.50	17.66	21.15

LOCATION: South San Francisco Bay

DATE: November 9, 1993

JULIAN DAY: 93313

Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
28.0	1545	12.0			0.89	1.7	7.7	7.4	7.4	10.7	0.07	10.7		29.50	17.66	21.15
28.0	1545	13.0			0.90	1.8	7.7	7.4	7.4	10.7	0.07	10.7		29.51	17.66	21.15
28.0	1545	14.0			0.88	1.7	7.7	7.4	7.4	10.9	0.08	10.9		29.51	17.66	21.16
28.0	1545	15.0			0.88	1.7	7.7	7.4	7.4	11.3	0.08	11.3		29.51	17.66	21.15
27.0	1531	1.0	1.3	0.62	0.79	1.3	7.6	7.3	7.3	8.6	0.04	8.6	1.0	29.54	17.61	21.19
27.0	1531	2.0			0.78	1.2	7.6	7.3	7.3	8.6	0.04	8.6		29.54	17.61	21.19
27.0	1531	3.0			0.77	1.2	7.6	7.3	7.3	8.7	0.04	8.7		29.55	17.61	21.19
27.0	1531	4.0			0.74	1.1	7.6	7.3	7.3	9.3	0.05	9.3		29.55	17.61	21.20
27.0	1531	5.0			0.71	1.0	7.6	7.3	7.3	9.9	0.06	9.9		29.56	17.61	21.20
27.0	1531	6.0			0.72	1.0	7.6	7.3	7.3	10.4	0.07	10.4		29.56	17.60	21.21
27.0	1531	7.0			0.72	1.0	7.6	7.3	7.3	10.9	0.08	10.9		29.57	17.60	21.21
27.0	1531	8.0			0.71	1.0	7.6	7.3	7.3	11.3	0.08	11.3		29.57	17.60	21.21
27.0	1531	9.0			0.71	0.9	7.6	7.3	7.3	11.8	0.09	11.8		29.57	17.60	21.21
27.0	1531	10.0			0.72	1.0	7.6	7.3	7.3	12.2	0.10	12.2		29.57	17.60	21.22
27.0	1531	11.0			0.73	1.0	7.6	7.3	7.3	12.9	0.11	12.9		29.58	17.59	21.22
27.0	1531	12.0	0.9	0.40	0.73	1.0	7.6	7.3	7.3	13.6	0.12	13.6		29.58	17.59	21.22
26.0	1518	1.0	1.3	0.63			7.5	7.2	7.2	7.3	0.02	7.5	0.9	29.70	17.52	21.33
26.0	1518	2.0					7.6	7.3	7.3	7.6	0.02	7.6		29.70	17.52	21.33
26.0	1518	3.0					7.6	7.3	7.3	7.6	0.02	7.6		29.70	17.52	21.33
26.0	1518	4.0					7.6	7.3	7.3	7.7	0.02	7.7		29.70	17.52	21.33
26.0	1518	5.0					7.6	7.3	7.3	7.7	0.02	7.7		29.70	17.52	21.33
26.0	1518	6.0					7.6	7.3	7.3	8.2	0.03	8.2		29.71	17.52	21.34
26.0	1518	7.0					7.6	7.3	7.3	8.6	0.04	8.6		29.71	17.52	21.34
26.0	1518	8.0					7.6	7.3	7.3	8.8	0.04	8.8		29.72	17.52	21.34
26.0	1518	9.0					7.6	7.3	7.3	9.7	0.06	9.7		29.72	17.52	21.35
26.0	1518	10.0					7.6	7.3	7.3	10.1	0.06	10.1		29.72	17.52	21.34

LOCATION: South San Francisco Bay
 DATE: November 9, 1993
 JULIAN DAY: 93313
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
25.0	1500	1.0		0.74	1.1			7.2	6.9	10.7	0.05	9.5	1.0	29.82	17.59	21.40
25.0	1500	2.0		0.74	1.1			7.2	6.9		0.07	10.3		29.81	17.59	21.40
25.0	1500	3.0		0.75	1.1			7.2	6.9		0.07	10.6		29.81	17.59	21.40
25.0	1500	4.0		0.75	1.1			7.2	6.9		0.07	10.6		29.81	17.59	21.40
25.0	1500	5.0		0.75	1.1			7.2	6.9		0.07	10.8		29.81	17.59	21.40
25.0	1500	6.0		0.73	1.0			7.2	6.9		0.07	10.8		29.81	17.59	21.40
25.0	1500	7.0		0.72	1.0			7.2	6.9		0.08	11.0		29.81	17.59	21.40
25.0	1500	8.0		0.72	1.0			7.2	6.9		0.08	11.3		29.81	17.59	21.40
24.0	1445	1.0	1.3	0.57	0.77	1.2	6.9	7.2	6.9		0.02	7.5	0.9	29.88	17.53	21.47
24.0	1445	2.0		0.77	1.2			7.3	6.9		0.02	7.6		29.88	17.53	21.47
24.0	1445	3.0		0.76	1.2			7.2	6.9		0.03	8.0		29.88	17.53	21.47
24.0	1445	4.0		0.74	1.1			7.2	6.9		0.04	8.4		29.88	17.53	21.47
24.0	1445	5.0		0.74	1.1			7.2	6.9		0.05	9.0		29.88	17.53	21.47
24.0	1445	6.0		0.74	1.1			7.2	6.9		0.05	9.3		29.88	17.53	21.47
24.0	1445	7.0		0.74	1.1			7.3	6.9		0.05	9.4		29.88	17.53	21.47
24.0	1445	8.0		0.74	1.1			7.3	6.9		0.05	9.6		29.88	17.53	21.47
24.0	1445	9.0		0.74	1.1			7.2	6.9		0.05	9.6		29.88	17.53	21.47
24.0	1445	10.0	1.2	0.53	0.74	1.1		7.2	6.9		0.05	9.6		29.88	17.53	21.47
23.0	1428	1.0		0.78	1.2			7.2	6.8		0.07	10.6	1.1	29.77	17.59	21.36
23.0	1428	2.0		0.77	1.2			7.2	6.8		0.08	10.9		29.77	17.59	21.37
23.0	1428	3.0		0.77	1.2			7.2	6.8		0.08	11.0		29.77	17.58	21.37
23.0	1428	4.0		0.76	1.2			7.2	6.8		0.08	11.1		29.77	17.59	21.37
23.0	1428	5.0		0.76	1.2			7.1	6.8		0.08	11.3		29.77	17.58	21.37
23.0	1428	6.0		0.75	1.1			7.1	6.8		0.09	11.6		29.78	17.57	21.38
23.0	1428	7.0		0.76	1.1			7.1	6.8		0.09	12.0		29.79	17.56	21.39
23.0	1428	8.0		0.76	1.2			7.1	6.8		0.11	13.0		29.80	17.55	21.40
23.0	1428	9.0		0.76	1.1			7.1	6.8		0.12	13.4		29.81	17.54	21.41
23.0	1428	10.0		0.76	1.2			7.1	6.8		0.13	14.0		29.81	17.54	21.41
23.0	1428	11.0		0.78	1.2			7.1	6.8		0.14	14.6		29.81	17.54	21.41

LOCATION: South San Francisco Bay

DATE: November 9, 1993

JULIAN DAY: 93313

Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	OBS	SPH	EXCOF	SALIN	TEMP	SIGT
23.0	1428	12.0				0.78	1.3		7.1	6.8			0.14	14.9		29.82	17.53	21.42
23.0	1428	13.0				0.79	1.3		7.1	6.8			0.15	15.6		29.82	17.53	21.42
23.0	1428	14.0				0.79	1.3		7.1	6.8			0.16	16.1		29.82	17.53	21.42
23.0	1428	15.0				0.79	1.3		7.1	6.8			0.17	16.5		29.82	17.53	21.42
22.0	1407	1.0				0.70	0.9		7.3	7.0	9.3		0.04	8.7	1.0	30.07	16.93	21.75
22.0	1407	2.0				0.70	0.9		7.3	7.0			0.04	8.5		30.08	16.92	21.76
22.0	1407	3.0				0.70	0.9		7.3	7.0			0.05	9.3		30.08	16.92	21.76
22.0	1407	4.0				0.70	0.9		7.3	7.0			0.06	9.7		30.07	16.92	21.76
22.0	1407	5.0				0.71	1.0		7.3	7.0			0.06	9.8		30.07	16.92	21.76
22.0	1407	6.0				0.71	0.9		7.3	7.0			0.06	9.7		30.07	16.92	21.76
22.0	1407	7.0				0.69	0.9		7.3	7.0			0.07	10.3		30.08	16.91	21.76
22.0	1407	8.0				0.69	0.9		7.3	7.0			0.07	10.6		30.08	16.91	21.76
22.0	1407	9.0				0.69	0.9		7.3	7.0			0.07	10.7		30.08	16.91	21.76
22.0	1407	10.0				0.68	0.8		7.3	7.0			0.08	11.0		30.08	16.91	21.76
22.0	1407	11.0				0.69	0.9		7.3	7.0			0.09	11.6		30.08	16.90	21.77
22.0	1407	12.0				0.70	0.9		7.4	7.0			0.09	11.8		30.08	16.89	21.77
22.0	1407	13.0				0.70	0.9		7.4	7.0			0.09	12.0		30.08	16.88	21.77
22.0	1407	14.0				0.72	1.0		7.4	7.0			0.11	12.9		30.08	16.88	21.77
22.0	1407	15.0				0.73	1.0		7.4	7.0			0.11	12.8		30.08	16.88	21.77
22.0	1407	16.0				0.73	1.0		7.4	7.0			0.11	13.1		30.09	16.87	21.78
22.0	1407	17.0				0.74	1.1		7.4	7.0			0.14	14.7		30.09	16.86	21.78
21.0	1352	1.0	1.4	0.58				6.9	7.3	7.0			0.06	9.8	1.0	30.07	16.88	21.76
21.0	1352	2.0							7.3	7.0			0.06	10.0		30.07	16.88	21.76
21.0	1352	3.0							7.3	7.0			0.08	11.0		30.07	16.84	21.77
21.0	1352	4.0							7.3	7.0			0.09	11.7		30.07	16.85	21.77
21.0	1352	5.0							7.3	7.0			0.09	11.6		30.07	16.85	21.77
21.0	1352	6.0							7.3	7.0			0.09	12.1		30.07	16.84	21.77
21.0	1352	7.0							7.3	7.0			0.10	12.1		30.07	16.83	21.78
21.0	1352	8.0							7.3	7.0			0.10	12.3		30.08	16.83	21.78

LOCATION: South San Francisco Bay
 DATE: November 9, 1993
 JULIAN DAY: 93313
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	1352	9.0					7.4	7.0	0.10	12.5	30.08	16.83	21.78		
21.0	1352	10.0					7.4	7.0	0.11	13.1	30.08	16.82	21.78		
21.0	1352	11.0					7.4	7.0	0.11	13.2	30.08	16.82	21.78		
21.0	1352	12.0					7.4	7.0	0.11	12.9	30.08	16.81	21.78		
21.0	1352	13.0					7.4	7.0	0.12	13.3	30.08	16.81	21.79		
21.0	1352	14.0					7.4	7.0	0.12	13.7	30.08	16.80	21.79		
21.0	1352	15.0					7.4	7.1	0.13	14.5	30.09	16.78	21.80		
21.0	1352	16.0					7.4	7.1	0.15	15.3	30.09	16.78	21.80		
21.0	1352	17.0					7.4	7.0	0.16	16.1	30.09	16.78	21.80		
21.0	1352	18.0	1.5	0.46			7.4	7.0	0.16	16.0	30.09	16.78	21.80		

n	r ²	Slope	Inter.	Std. Err.
6	0.761	4.230	-2.058	0.176
7	0.000	61.004	6.283	0.918
5	0.987	1.014	-0.453	0.037

NOTE: Dissolved Oxygen Calibration regression calculated from combined North and South Bay discrete samples.

LOCATION: North San Francisco Bay
 DATE: December 7, 1993
 JULIAN DAY: 93341
 Seabird v4.026

STN	TIME	DEPTH	DISC CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISC OXYG	CALC OXYG	DISC SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
657.0	1820	1.0	0.8	0.52	0.56	0.8			5.4	0.07	8.5		0.08	9.99	0.00
657.0	1820	2.0			0.57	0.8				0.07	8.5		0.08	9.98	0.00
657.0	1820	3.0			0.61	0.8				0.07	8.4		0.08	9.98	0.00
657.0	1820	4.0			0.61	0.8				0.08	8.6		0.08	9.98	0.00
657.0	1820	5.0			0.61	0.8				0.07	8.4		0.08	9.98	0.00
657.0	1820	6.0			0.64	0.8				0.08	8.9		0.08	9.98	0.00
657.0	1820	7.0			0.64	0.8				0.08	9.2		0.08	9.98	0.00
657.0	1820	8.0			0.62	0.8				0.09	9.4		0.08	9.98	0.00
657.0	1820	9.0			0.64	0.8				0.09	9.5		0.08	9.97	0.00
657.0	1820	10.0	0.7	0.47	0.65	0.8				0.09	9.6		0.08	9.97	0.00
653.0	1749	1.0	0.7	0.46	0.90	0.7				0.11	11.5		0.14	9.95	0.00
653.0	1749	2.0			0.90	0.7				0.11	11.7		0.14	9.95	0.00
653.0	1749	3.0			0.91	0.7				0.12	11.8		0.14	9.95	0.00
653.0	1749	4.0			0.90	0.7				0.12	12.3		0.14	9.95	0.00
653.0	1749	5.0			0.90	0.7				0.12	11.9		0.14	9.95	0.00
653.0	1749	6.0			0.92	0.7				0.12	12.3		0.14	9.95	0.00
653.0	1749	7.0			0.92	0.7				0.12	12.5		0.14	9.95	0.00
653.0	1749	8.0			0.93	0.7				0.13	12.7		0.14	9.95	0.00
653.0	1749	9.0			0.93	0.7				0.13	12.9		0.14	9.95	0.00
649.0	1716	1.0	0.6	0.37					18.2	0.23	21.4		0.74	10.19	0.26
649.0	1716	2.0								0.24	21.7		0.75	10.23	0.27
649.0	1716	3.0								0.25	23.0		0.82	10.26	0.32
649.0	1716	4.0								0.28	24.9		0.98	10.34	0.44
649.0	1716	5.0								0.28	24.8		1.17	10.37	0.59
649.0	1716	6.0								0.27	24.0		1.26	10.39	0.66
649.0	1716	7.0								0.24	22.1		1.37	10.47	0.73
649.0	1716	8.0								0.21	19.2		1.67	10.65	0.95
649.0	1716	9.0	0.6	0.36						0.18	17.4		2.18	10.79	1.34

LOCATION: North San Francisco Bay

DATE: December 7, 1993

JULIAN DAY: 93341

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
2.0	1652	1.0	0.6	0.45				9.0	9.1		0.19	17.9		2.10	10.74	1.27
2.0	1652	2.0						9.2	9.2		0.19	18.0		2.13	10.75	1.30
2.0	1652	3.0						9.3	9.3		0.20	18.5		2.21	10.76	1.36
2.0	1652	4.0						9.3	9.4		0.21	19.5		2.36	10.78	1.47
2.0	1652	5.0						9.4	9.4		0.21	19.5		2.65	10.83	1.69
2.0	1652	6.0						9.5	9.5		0.21	19.5		2.86	10.87	1.86
2.0	1652	7.0						9.5	9.5		0.21	19.2		3.19	10.93	2.11
2.0	1652	8.0						9.5	9.5		0.21	19.2		3.50	10.99	2.34
2.0	1652	9.0						9.5	9.5		0.21	19.3		3.78	11.00	2.56
2.0	1652	10.0						9.5	9.5		0.21	19.3		4.20	11.02	2.88
2.0	1652	11.0						9.4	9.5		0.21	19.5		4.27	11.02	2.94
3.0	1636	1.0	0.5	0.35			10.0	9.8	9.8	21.5	0.24	21.7		3.67	11.01	2.47
3.0	1636	2.0						9.8	9.8		0.25	22.8		3.79	11.03	2.56
3.0	1636	3.0						9.8	9.8		0.26	23.6		3.84	11.03	2.60
3.0	1636	4.0						9.8	9.8		0.26	23.2		3.85	11.04	2.61
3.0	1636	5.0						9.8	9.8		0.26	23.6		3.94	11.05	2.67
3.0	1636	6.0						9.8	9.8		0.26	23.6		4.14	11.07	2.83
3.0	1636	7.0						9.8	9.8		0.29	25.6		4.45	11.09	3.06
3.0	1636	8.0						9.8	9.8		0.30	26.6		4.60	11.10	3.19
3.0	1636	9.0						9.8	9.8		0.31	27.1		4.80	11.12	3.34
3.0	1636	10.0	0.6	0.36				9.8	9.8		0.31	27.7		4.86	11.12	3.38
4.0	1602	1.0	0.6	0.39				9.0	9.1		0.25	23.0	1.7	4.98	11.09	3.48
4.0	1602	2.0						9.2	9.2		0.27	24.6		5.18	11.12	3.63
4.0	1602	3.0						9.2	9.2		0.29	25.7		5.29	11.12	3.71
4.0	1602	4.0						9.2	9.3		0.29	26.0		5.40	11.12	3.80
4.0	1602	5.0						9.3	9.3		0.29	26.2		5.58	11.13	3.94
4.0	1602	6.0						9.3	9.3		0.30	26.6		5.67	11.13	4.01
4.0	1602	7.0						9.4	9.4		0.30	26.5		5.69	11.13	4.03
4.0	1602	8.0						9.4	9.4		0.29	26.2		5.73	11.13	4.05

LOCATION: North San Francisco Bay
 DATE: December 7, 1993
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 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
4.0	1602	9.0						9.4	9.4		0.29	26.1		5.77	11.13	4.09
4.0	1602	10.0						9.4	9.4		0.30	26.5		5.76	11.13	4.08
4.0	1602	11.0						9.4	9.5		0.30	26.4		5.75	11.13	4.07
4.0	1602	12.0						9.5	9.5		0.30	26.8		5.76	11.13	4.08
4.0	1602	13.0						9.5	9.5		0.30	26.6		5.78	11.13	4.09
4.0	1602	14.0						9.5	9.5		0.30	26.5		5.79	11.13	4.11
4.0	1602	15.0						9.5	9.5		0.30	26.4		5.80	11.13	4.11
5.0	1534	1.0	0.6	0.43				9.2	9.2		0.31	27.3	1.8	6.88	11.11	4.95
5.0	1534	2.0						9.2	9.3		0.35	30.8		6.96	11.09	5.01
5.0	1534	3.0						9.2	9.3		0.41	35.2		7.09	11.07	5.12
5.0	1534	4.0						9.4	9.4		0.42	36.6		7.30	11.06	5.28
5.0	1534	5.0						9.6	9.6		0.42	36.5		7.42	11.05	5.38
5.0	1534	6.0						9.6	9.6		0.45	38.9		7.45	11.05	5.40
5.0	1534	7.0						9.6	9.6		0.47	40.6		7.48	11.05	5.42
5.0	1534	8.0						9.6	9.6		0.49	41.7		7.51	11.05	5.45
5.0	1534	9.0						9.6	9.6		0.51	43.6		7.67	11.04	5.57
5.0	1534	10.0						9.6	9.6		0.52	44.4		8.38	11.03	6.13
5.0	1534	11.0						9.4	9.5		0.47	40.2		10.54	11.02	7.80
5.0	1534	12.0						9.3	9.4		0.35	31.0		12.40	11.04	9.24
6.0	1454	1.0	0.9	0.40			8.9	9.3	9.3	38.2	0.41	35.1	2.4	9.71	11.09	7.15
6.0	1454	2.0						9.3	9.4		0.41	35.8		9.83	11.09	7.24
6.0	1454	3.0						9.3	9.4		0.41	35.5		9.84	11.09	7.24
6.0	1454	4.0						9.3	9.4		0.41	35.2		9.90	11.09	7.30
6.0	1454	5.0						9.3	9.4		0.40	35.0		9.92	11.09	7.31
6.0	1454	6.0						9.3	9.4		0.42	36.4		9.96	11.09	7.34
6.0	1454	7.0						9.4	9.4		0.42	36.2		9.99	11.09	7.36
6.0	1454	8.0						9.3	9.4		0.43	36.7		10.03	11.10	7.39
6.0	1454	9.0						9.4	9.4		0.42	36.4		10.05	11.07	7.41
6.0	1454	10.0						9.4	9.4		0.42	36.4		10.05	11.07	7.41

LOCATION: North San Francisco Bay
 DATE: December 7, 1993
 JULIAN DAY: 93341
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EKCOF	SALIN	TEMP	SIGT
6.0	1454	11.0	0.7	0.34			9.4	9.4		0.43	36.8		10.04	11.09	7.40
7.0	1426	1.0	1.4	0.37			9.2	9.3		0.45	38.4	2.5	13.30	11.14	9.92
7.0	1426	2.0					9.2	9.3		0.47	40.6		13.52	11.15	10.08
7.0	1426	3.0					9.2	9.3		0.48	41.3		13.67	11.15	10.20
7.0	1426	4.0					9.2	9.3		0.48	40.9		13.80	11.14	10.30
7.0	1426	5.0					9.2	9.2		0.48	40.8		13.92	11.14	10.40
7.0	1426	6.0					9.2	9.2		0.48	40.8		14.13	11.15	10.56
7.0	1426	7.0					9.2	9.2		0.50	42.7		14.41	11.17	10.77
7.0	1426	8.0					9.2	9.2		0.55	46.5		14.54	11.19	10.87
7.0	1426	9.0					9.2	9.2		0.58	49.0		14.60	11.19	10.91
7.0	1426	10.0					9.2	9.2		0.59	49.9		14.68	11.20	10.98
7.0	1426	11.0					9.2	9.2		0.61	51.9		14.83	11.20	11.09
7.0	1426	12.0					9.1	9.2		0.64	54.3		14.91	11.21	11.16
7.0	1426	13.0					9.1	9.2		0.65	55.0		14.98	11.21	11.21
7.0	1426	14.0					9.1	9.2		0.67	56.2		15.08	11.20	11.28
7.0	1426	15.0					9.1	9.2		0.68	57.4		15.12	11.20	11.31
8.0	1335	1.0	0.8	0.42			8.3	8.4		0.30	26.8	2.0	14.37	11.35	10.71
8.0	1335	2.0					8.4	8.5		0.34	30.2		14.73	11.34	11.00
8.0	1335	3.0					8.5	8.5		0.36	31.8		15.31	11.31	11.45
8.0	1335	4.0					8.5	8.6		0.41	35.4		15.78	11.31	11.61
8.0	1335	5.0					8.5	8.6		0.42	36.2		16.27	11.33	12.19
8.0	1335	6.0					8.5	8.5		0.44	38.3		16.95	11.32	12.72
8.0	1335	7.0					8.5	8.5		0.46	39.1		17.34	11.31	13.02
8.0	1335	8.0					8.5	8.6		0.47	40.1		17.41	11.32	13.08
8.0	1335	9.0					8.5	8.6		0.49	41.7		17.51	11.34	13.15
8.0	1335	10.0					8.5	8.6		0.49	41.8		17.51	11.34	13.15
8.0	1335	11.0					8.5	8.6		0.48	41.5		17.51	11.34	13.15
8.0	1335	12.0					8.5	8.6		0.48	41.5		17.56	11.35	13.19
8.0	1335	13.0					8.6	8.6		0.49	41.9		17.65	11.36	13.25

LOCATION: North San Francisco Bay
 DATE: December 7, 1993
 JULIAN DAY: 93341
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	CHL a	DISCR	OXYG	CALC	OXYG	DISCR	SPM	OBS	CALC	SPM	EXCOF	SALIN	TEMP	SIGT
8.0	1335	14.0								8.5	8.6	8.6		42.3	0.50	42.3		17.69	11.36	13.28	
8.0	1335	15.0								8.6	8.6	8.6		44.0	0.52	44.0		17.76	11.36	13.34	
9.0	1308	1.0	0.9	0.40				9.0		8.7	8.8	8.8	40.3	30.9	0.35	30.9	2.3	18.67	11.45	14.03	
9.0	1308	2.0								8.7	8.7	8.7		32.7	0.38	32.7		19.30	11.41	14.52	
9.0	1308	3.0								8.7	8.7	8.7		33.4	0.38	33.4		19.50	11.41	14.68	
9.0	1308	4.0								8.6	8.7	8.7		35.2	0.41	35.2		19.61	11.42	14.76	
9.0	1308	5.0								8.6	8.7	8.7		38.0	0.44	38.0		19.86	11.42	14.96	
9.0	1308	6.0								8.6	8.7	8.7		40.6	0.47	40.6		19.94	11.43	15.01	
9.0	1308	7.0								8.6	8.7	8.7		42.6	0.50	42.6		20.04	11.43	15.09	
9.0	1308	8.0								8.6	8.7	8.7		44.4	0.52	44.4		20.08	11.43	15.12	
9.0	1308	9.0								8.6	8.7	8.7		45.2	0.53	45.2		20.11	11.44	15.15	
9.0	1308	10.0								8.6	8.7	8.7		47.7	0.56	47.7		20.23	11.46	15.24	
9.0	1308	11.0								8.6	8.7	8.7		48.3	0.57	48.3		20.25	11.46	15.25	
9.0	1308	12.0								8.6	8.7	8.7		46.0	0.54	46.0		20.17	11.46	15.19	
9.0	1308	13.0								8.6	8.7	8.7		43.0	0.50	43.0		20.01	11.45	15.06	
9.0	1308	14.0								8.7	8.7	8.7		42.4	0.50	42.4		20.00	11.45	15.06	
9.0	1308	15.0								8.7	8.7	8.7		42.3	0.49	42.3		19.99	11.45	15.05	
9.0	1308	16.0								8.7	8.7	8.7		43.2	0.51	43.2		20.05	11.45	15.09	
9.0	1308	17.0								8.7	8.7	8.7		42.6	0.50	42.6		20.02	11.45	15.07	
9.0	1308	18.0								8.7	8.8	8.8		41.9	0.49	41.9		19.94	11.45	15.01	
9.0	1308	19.0								8.7	8.8	8.8		41.5	0.48	41.5		19.95	11.45	15.02	
9.0	1308	20.0								8.7	8.8	8.8		42.0	0.49	42.0		19.95	11.45	15.02	
9.0	1308	21.0								8.7	8.8	8.8		42.7	0.50	42.7		19.96	11.45	15.02	
9.0	1308	22.0	0.6	0.31						8.7	8.8	8.8		49.2	0.58	49.2		19.93	11.45	15.01	
10.0	1252	1.0	0.8	0.35						8.3	8.4	8.4		40.6	0.47	40.6	2.8	20.48	11.52	15.42	
10.0	1252	2.0								8.3	8.4	8.4		42.0	0.49	42.0		20.54	11.51	15.47	
10.0	1252	3.0								8.3	8.4	8.4		42.7	0.50	42.7		20.58	11.51	15.50	
10.0	1252	4.0								8.3	8.4	8.4		43.1	0.50	43.1		20.73	11.50	15.61	
10.0	1252	5.0								8.3	8.4	8.4		48.1	0.57	48.1		21.22	11.51	15.99	

LOCATION: North San Francisco Bay
 DATE: December 7, 1993
 JULIAN DAY: 93341
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a				CHL a	OXYG	OXYG	OXYG	SPM		SPM				
10.0	1252	6.0						8.3	8.4	8.4	0.62	52.1			21.28	11.51	16.04
10.0	1252	7.0						8.3	8.4	8.4	0.65	55.2			21.47	11.51	16.18
10.0	1252	8.0						8.3	8.4	8.4	0.68	57.4			21.72	11.52	16.38
10.0	1252	9.0						8.3	8.4	8.4	0.73	61.4			21.90	11.52	16.52
10.0	1252	10.0						8.3	8.4	8.4	0.76	63.4			22.14	11.53	16.70
10.0	1252	11.0						8.3	8.4	8.4	0.78	65.1			22.22	11.53	16.76
10.0	1252	12.0						8.3	8.4	8.4	0.83	69.5			22.45	11.54	16.94
10.0	1252	13.0						8.3	8.4	8.4	0.85	70.8			22.39	11.54	16.89
10.0	1252	14.0						8.3	8.4	8.4	0.85	71.0			22.43	11.54	16.92
10.0	1252	15.0						8.3	8.4	8.4	0.87	72.6			22.74	11.56	17.16
10.0	1252	16.0						8.3	8.4	8.4	0.88	72.9			22.90	11.57	17.29
10.0	1252	17.0						8.3	8.4	8.4	0.89	73.7			22.99	11.57	17.35
10.0	1252	18.0						8.3	8.4	8.4	0.88	73.5			23.06	11.58	17.40
10.0	1252	19.0						8.3	8.4	8.4	0.93	76.9			23.13	11.59	17.46
10.0	1252	20.0						8.3	8.4	8.4	0.98	80.9			23.24	11.59	17.54
11.0	1220	1.0	0.8	0.41				8.4	8.5	8.5	0.33	29.3		2.2	22.56	11.60	17.01
11.0	1220	2.0						8.4	8.5	8.5	0.42	36.2			23.26	11.60	17.56
11.0	1220	3.0						8.4	8.5	8.5	0.47	40.1			23.68	11.63	17.87
11.0	1220	4.0						8.4	8.4	8.4	0.54	46.1			23.94	11.64	18.08
11.0	1220	5.0						8.3	8.4	8.4	0.61	51.2			24.14	11.66	18.23
11.0	1220	6.0						8.3	8.4	8.4	0.63	53.3			24.39	11.68	18.42
11.0	1220	7.0						8.3	8.4	8.4	0.69	57.8			24.51	11.69	18.51
11.0	1220	8.0						8.3	8.4	8.4	0.73	61.1			24.51	11.69	18.51
11.0	1220	9.0						8.3	8.4	8.4	0.74	62.1			24.55	11.69	18.54
11.0	1220	10.0						8.3	8.4	8.4	0.76	63.9			24.57	11.70	18.56
11.0	1220	11.0						8.3	8.4	8.4	0.77	64.8			24.58	11.70	18.57
11.0	1220	12.0						8.3	8.4	8.4	0.79	66.4			24.58	11.70	18.57
11.0	1220	13.0						8.3	8.4	8.4	0.84	70.3			24.59	11.70	18.57

LOCATION: North San Francisco Bay
 DATE: December 7, 1993
 JULIAN DAY: 93341
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
12.0	1150	1.0	0.7	0.36					8.4	8.5		0.27	24.1	1.9	22.71	11.66	17.12
12.0	1150	2.0							8.4	8.5		0.27	24.3		22.83	11.63	17.22
12.0	1150	3.0							8.3	8.4		0.29	26.0		23.99	11.66	18.11
12.0	1150	4.0							8.3	8.4		0.30	26.5		24.83	11.72	18.75
12.0	1150	5.0							8.3	8.4		0.30	26.7		25.13	11.74	18.98
12.0	1150	6.0							8.2	8.3		0.31	27.8		25.96	11.81	19.61
12.0	1150	7.0							8.1	8.2		0.45	39.0		26.17	11.83	19.78
12.0	1150	8.0							8.1	8.2		0.57	48.1		26.18	11.83	19.78
12.0	1150	9.0							8.1	8.2		0.61	51.7		26.21	11.83	19.80
13.0	1056	1.0	1.8	0.78				8.9	8.4	8.4	7.3	0.08	9.3	1.2	21.54	11.50	16.24
13.0	1056	2.0							8.5	8.5		0.10	10.9		21.75	11.52	16.40
13.0	1056	3.0							8.4	8.5		0.09	10.1		23.53	11.64	17.76
13.0	1056	4.0							8.3	8.4		0.14	13.4		25.42	11.77	19.20
13.0	1056	5.0							8.1	8.2		0.12	12.6		26.44	11.86	19.98
13.0	1056	6.0							8.1	8.2		0.15	14.6		26.71	11.88	20.18
13.0	1056	7.0							8.1	8.2		0.20	18.7		26.77	11.89	20.23
13.0	1056	8.0							8.1	8.2		0.27	24.1		26.80	11.89	20.25
13.0	1056	9.0							8.1	8.2		0.33	28.9		26.82	11.89	20.26
13.0	1056	10.0	0.8	0.32					8.1	8.2		0.43	36.7		26.83	11.89	20.27
14.0	1034	1.0	1.0	0.53					8.2	8.3		0.11	11.6	1.2	26.74	11.83	20.22
14.0	1034	2.0							8.1	8.2		0.11	11.1		26.85	11.84	20.30
14.0	1034	3.0							8.1	8.3		0.11	11.6		26.91	11.84	20.34
14.0	1034	4.0							8.2	8.3		0.11	11.6		27.05	11.86	20.45
14.0	1034	5.0							8.2	8.3		0.12	11.9		27.19	11.88	20.55
14.0	1034	6.0							8.2	8.3		0.12	12.6		27.34	11.89	20.67
14.0	1034	7.0							8.1	8.2		0.13	12.8		27.50	11.92	20.79
14.0	1034	8.0							8.1	8.2		0.14	14.2		27.62	11.95	20.88
14.0	1034	9.0							8.1	8.2		0.16	15.6		27.85	11.99	21.04
14.0	1034	10.0							8.1	8.2		0.22	20.3		28.16	12.04	21.27

LOCATION: North San Francisco Bay

DATE: December 7, 1993

JULIAN DAY: 93341

SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
14.0	1034	11.0						8.1	8.2		0.32	28.4		28.34	12.07	21.41
14.0	1034	12.0						8.1	8.2		0.40	34.8		28.35	12.07	21.42
14.0	1034	13.0						8.0	8.2		0.41	35.8		28.36	12.07	21.43
14.0	1034	14.0						8.0	8.1		0.45	38.7		28.37	12.07	21.43
15.0	1007	1.0	1.0	0.52		8.3	8.3	8.2	8.3	20.4	0.20	18.4	1.6	27.21	11.86	20.57
15.0	1007	2.0				8.2	8.3	8.2	8.3		0.20	18.3		27.22	11.86	20.58
15.0	1007	3.0				8.2	8.3	8.2	8.3		0.20	18.4		27.24	11.86	20.59
15.0	1007	4.0				8.2	8.3	8.2	8.3		0.19	18.1		27.23	11.87	20.58
15.0	1007	5.0				8.2	8.3	8.2	8.3		0.19	17.9		27.23	11.87	20.59
15.0	1007	6.0				8.2	8.3	8.2	8.3		0.19	18.2		27.24	11.87	20.59
15.0	1007	7.0				8.2	8.3	8.2	8.3		0.20	18.3		27.26	11.87	20.61
15.0	1007	8.0				8.2	8.3	8.2	8.3		0.19	18.0		27.26	11.87	20.61
15.0	1007	9.0				8.2	8.3	8.2	8.3		0.19	17.9		27.26	11.87	20.61
15.0	1007	10.0				8.2	8.3	8.2	8.3		0.19	18.2		27.22	11.86	20.58
15.0	1007	11.0				8.2	8.3	8.2	8.3		0.19	17.9		27.21	11.86	20.58
15.0	1007	12.0				8.2	8.3	8.2	8.3		0.19	18.3		27.20	11.86	20.57
15.0	1007	13.0				8.2	8.3	8.2	8.3		0.19	18.0		27.33	11.88	20.66
15.0	1007	14.0				8.2	8.3	8.2	8.3		0.19	18.3		27.34	11.88	20.67
15.0	1007	15.0				8.2	8.3	8.2	8.3		0.18	17.0		27.51	11.90	20.80
15.0	1007	16.0				8.3	8.4	8.3	8.4		0.17	16.5		27.61	11.92	20.87
15.0	1007	17.0				8.3	8.4	8.3	8.4		0.16	15.3		28.21	12.01	21.32
15.0	1007	18.0				8.1	8.2	8.1	8.2		0.13	13.4		29.33	12.20	22.15
15.0	1007	19.0				8.1	8.2	8.1	8.2		0.13	13.4		29.43	12.22	22.23
15.0	1007	20.0				8.1	8.2	8.1	8.2		0.15	15.0		29.48	12.23	22.26
15.0	1007	21.0				8.1	8.2	8.1	8.2		0.18	16.7		29.48	12.23	22.26
15.0	1007	22.0				8.1	8.2	8.1	8.2		0.19	17.7		29.49	12.23	22.27
15.0	1007	23.0				8.1	8.2	8.1	8.2		0.18	17.4		29.50	12.23	22.28
15.0	1007	24.0	0.8	0.33		8.1	8.2	8.1	8.2		0.19	18.0		29.50	12.23	22.28

LOCATION: North San Francisco Bay
 DATE: December 7, 1993
 JULIAN DAY: 93341
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	DISCR CHL a	DISCR OXYG	DISCR OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
16.0	0933	1.0	1.3	0.59			7.8	7.9	7.9	4.6	0.03	4.6	0.7	30.49	12.39	23.02
16.0	0933	2.0					7.8	7.9	7.9	4.8	0.03	4.8		30.49	12.39	23.02
16.0	0933	3.0					7.8	7.9	7.9	4.5	0.02	4.5		30.50	12.39	23.02
16.0	0933	4.0					7.8	7.9	7.9	5.5	0.04	5.5		30.50	12.39	23.02
16.0	0933	5.0					7.8	7.9	7.9	5.1	0.03	5.1		30.51	12.40	23.03
16.0	0933	6.0					7.8	7.9	7.9	6.7	0.05	6.7		30.51	12.40	23.03
16.0	0933	7.0					7.8	7.9	7.9	7.5	0.06	7.5		30.52	12.40	23.04
16.0	0933	8.0					7.8	7.9	7.9	8.4	0.07	8.4		30.52	12.40	23.04
16.0	0933	9.0					7.8	7.9	7.9	9.3	0.08	9.3		30.53	12.41	23.05
16.0	0933	10.0					7.8	7.9	7.9	10.0	0.09	10.0		30.53	12.41	23.05
16.0	0933	11.0					7.8	7.9	7.9	11.0	0.10	11.0		30.54	12.41	23.05
16.0	0933	12.0					7.8	7.9	7.9	11.1	0.11	11.1		30.54	12.41	23.05
16.0	0933	13.0					7.8	7.9	7.9	11.2	0.11	11.2		30.54	12.41	23.05
16.0	0933	14.0					7.8	7.9	7.9	11.0	0.10	11.0		30.54	12.41	23.05
18.0	0840	1.0	1.5	0.61			8.1	8.2	8.2	7.4	0.01	3.6	0.7	30.87	12.46	23.30
18.0	0840	2.0					8.0	8.2	8.2	3.8	0.01	3.8		31.06	12.50	23.44
18.0	0840	3.0					8.0	8.2	8.2	3.8	0.01	3.8		31.08	12.51	23.45
18.0	0840	4.0					8.0	8.2	8.2	4.1	0.02	4.1		31.15	12.52	23.50
18.0	0840	5.0					8.1	8.2	8.2	3.9	0.02	3.9		31.21	12.53	23.55
18.0	0840	6.0					8.0	8.2	8.2	4.0	0.02	4.0		31.35	12.56	23.65
18.0	0840	7.0					8.0	8.2	8.2	3.8	0.01	3.8		31.39	12.56	23.68
18.0	0840	8.0					8.0	8.1	8.1	3.6	0.01	3.6		31.42	12.57	23.71
18.0	0840	9.0					8.0	8.1	8.1	3.6	0.01	3.6		31.45	12.58	23.73
18.0	0840	10.0					8.0	8.1	8.1	3.2	0.01	3.2		31.48	12.58	23.75
18.0	0840	11.0					8.0	8.1	8.1	3.5	0.01	3.5		31.48	12.58	23.75
18.0	0840	12.0					8.0	8.2	8.2	3.2	0.01	3.2		31.49	12.59	23.76
18.0	0840	13.0					8.0	8.2	8.2	3.2	0.01	3.2		31.50	12.59	23.76
18.0	0840	14.0					8.0	8.1	8.1	3.3	0.01	3.3		31.50	12.59	23.77
18.0	0840	15.0					8.1	8.2	8.2	3.3	0.01	3.3		31.52	12.59	23.78
18.0	0840	16.0					8.0	8.2	8.2	3.2	0.01	3.2		31.53	12.59	23.79

LOCATION: North San Francisco Bay
 DATE: December 7, 1993
 JULIAN DAY: 93341
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
18.0	0840	17.0						8.1	8.2		0.01	3.6		31.55	12.59	23.80
18.0	0840	18.0						8.1	8.2		0.01	3.7		31.58	12.60	23.82
18.0	0840	19.0						8.1	8.2		0.01	3.8		31.59	12.60	23.83
18.0	0840	20.0						8.1	8.2		0.02	4.1		31.60	12.60	23.83
18.0	0840	21.0						8.1	8.2		0.03	4.8		31.61	12.60	23.85
18.0	0840	22.0						8.1	8.2		0.03	5.2		31.62	12.60	23.85
18.0	0840	23.0						8.1	8.2		0.04	5.5		31.62	12.60	23.85
18.0	0840	24.0						8.1	8.2		0.04	5.7		31.63	12.61	23.86
18.0	0840	25.0						8.1	8.2		0.04	6.0		31.63	12.61	23.86
18.0	0840	26.0						8.1	8.2		0.05	6.2		31.63	12.61	23.86
18.0	0840	27.0						8.1	8.2		0.05	6.3		31.64	12.61	23.86
18.0	0840	28.0						8.1	8.2		0.05	6.4		31.64	12.61	23.87
18.0	0840	29.0						8.1	8.2		0.05	6.3		31.64	12.61	23.87
18.0	0840	30.0						8.1	8.2		0.05	6.5		31.65	12.61	23.87
18.0	0840	31.0						8.1	8.2		0.05	7.0		31.65	12.61	23.87
18.0	0840	32.0						8.1	8.2		0.05	7.0		31.65	12.61	23.88
18.0	0840	33.0						8.1	8.2		0.07	8.1		31.65	12.61	23.88
18.0	0840	34.0						8.1	8.2		0.07	8.4		31.65	12.61	23.88
18.0	0840	35.0						8.1	8.2		0.08	8.7		31.66	12.61	23.88
18.0	0840	36.0						8.1	8.2		0.07	8.5		31.66	12.61	23.88
18.0	0840	37.0						8.1	8.2		0.08	8.7		31.66	12.61	23.88
18.0	0840	38.0						8.1	8.2		0.08	8.6		31.66	12.61	23.88
18.0	0840	39.0	1.7	0.52				8.1	8.2		0.10	10.3		31.66	12.61	23.88
12.5	1125	1.0	0.7	0.49				8.2	8.3		0.17	16.3	1.6	23.75	11.66	17.93
12.5	1125	2.0						8.2	8.3		0.24	21.7		23.98	11.65	18.11
12.5	1125	3.0						8.2	8.3		0.28	25.1		24.59	11.69	18.57
12.5	1125	4.0						8.1	8.2		0.39	34.1		25.48	11.77	19.25
12.5	1125	5.0						8.0	8.2		0.56	48.0		25.80	11.80	19.49
12.5	1125	6.0						8.0	8.2		0.62	52.5		25.89	11.81	19.56

LOCATION: North San Francisco Bay
 DATE: December 7, 1993
 JULIAN DAY: 93341
 SeaBird v4.026

	n	r^2	Slope	Inter.	Std. Err.
Fluorometer Calibration:	3	0.638	-0.323	0.968	0.060
OBS Calibration:	14	0.962	80.308	2.594	4.599
Dissolved Oxygen Calibration:	12	0.882	0.938	0.608	0.108

NOTE: Dissolved Oxygen and SPM calibration regression calculated from combined North and South Bay discrete samples.

LOCATION: South San Francisco Bay
 DATE: December 8, 1993
 JULIAN DAY: 93342
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
36.0	1816	1.0	1.4	0.27		8.2	8.2	8.1	8.2	82.0	0.96	79.4		26.10	12.37	19.62
36.0	1816	2.0				8.1	8.2	8.1	8.2		0.97	80.3		26.11	12.37	19.63
36.0	1816	3.0				8.1	8.2	8.1	8.2		1.01	83.6		26.19	12.35	19.70
36.0	1816	4.0				8.1	8.2	8.1	8.2		1.16	95.4		26.30	12.33	19.78
36.0	1816	5.0				8.1	8.2	8.1	8.2		1.28	105.2		26.61	12.27	20.04
36.0	1816	6.0				8.1	8.2	8.1	8.2		1.58	129.8		26.68	12.26	20.09
36.0	1816	7.0	1.2	0.10		8.0	8.1				1.94	158.4		26.66	12.27	20.08
35.0	1807	1.0	1.0	0.23		8.1	8.2	8.1	8.2		1.73	141.7		26.95	12.25	20.30
35.0	1807	2.0				8.1	8.2	8.1	8.2		1.90	154.9		26.90	12.26	20.26
35.0	1807	3.0				8.1	8.2	8.1	8.2		1.87	153.1		26.99	12.24	20.34
35.0	1807	4.0				8.1	8.2	8.1	8.2		1.99	162.7		27.01	12.23	20.35
35.0	1807	5.0				8.1	8.2	8.1	8.2		2.15	175.3		27.02	12.23	20.36
35.0	1807	6.0				8.1	8.2	8.1	8.2		2.33	189.6		27.03	12.23	20.37
35.0	1807	7.0				8.1	8.2	8.1	8.2		2.53	205.7		27.04	12.23	20.38
35.0	1807	8.0				8.1	8.2	8.1	8.2		2.58	209.6		27.05	12.23	20.38
35.0	1807	9.0				8.1	8.2	8.1	8.2		2.63	214.0		27.05	12.23	20.38
35.0	1807	10.0				8.1	8.2	8.1	8.2		2.65	215.2		27.04	12.23	20.38
34.0	1757	1.0	1.6	0.40		8.2	8.3	8.2	8.3		0.41	35.8		26.56	12.39	19.98
34.0	1757	2.0				8.2	8.3	8.2	8.3		0.58	49.6		27.22	12.26	20.51
34.0	1757	3.0				8.2	8.3	8.2	8.3		1.14	94.5		27.51	12.22	20.74
34.0	1757	4.0				8.2	8.3	8.2	8.3		1.61	132.1		27.52	12.22	20.75
34.0	1757	5.0				8.2	8.3	8.2	8.3		1.79	146.3		27.53	12.22	20.76
34.0	1757	6.0				8.2	8.3	8.2	8.3		1.87	152.8		27.54	12.22	20.76
34.0	1757	7.0				8.2	8.3	8.2	8.3		1.94	158.7		27.55	12.22	20.77
34.0	1757	8.0				8.2	8.3	8.2	8.3		2.03	165.7		27.55	12.22	20.77
34.0	1757	9.0				8.2	8.3	8.2	8.3		2.26	183.8		27.55	12.22	20.78

LOCATION: South San Francisco Bay
 DATE: December 8, 1993
 JULIAN DAY: 93342
 SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	OXYG	CALC	DISCR	OBS	CALC	EXCOF	SALIN	TEMP	SIGT
			CHL a	CHL a			CHL a	OXYG	OXYG	OXYG	OXYG	SPM	SPM	SPM				
33.0	1743	1.0					1743	8.3	8.3	8.4			0.49	42.0		26.93	12.35	20.27
33.0	1743	2.0					1743	8.2	8.2	8.3			0.44	37.6		27.11	12.36	20.41
33.0	1743	3.0					1743	8.2	8.2	8.3			0.50	42.5		27.65	12.25	20.84
33.0	1743	4.0					1743	8.2	8.2	8.3			0.56	47.8		27.69	12.25	20.87
33.0	1743	5.0					1743	8.1	8.2	8.2			0.58	49.3		27.77	12.23	20.94
33.0	1743	6.0					1743	8.1	8.2	8.2			0.56	47.5		27.90	12.21	21.04
33.0	1743	7.0					1743	8.1	8.2	8.2			0.62	52.2		28.11	12.22	21.21
33.0	1743	8.0					1743	8.1	8.2	8.2			1.09	90.0		28.20	12.23	21.27
33.0	1743	9.0					1743	8.1	8.2	8.2			1.40	114.7		28.24	12.23	21.31
33.0	1743	10.0					1743	8.1	8.2	8.2			1.79	146.0		28.25	12.23	21.31
33.0	1743	11.0					1743	8.1	8.2	8.2			2.07	169.0		28.27	12.23	21.33
33.0	1743	12.0					1743	8.1	8.2	8.2			2.57	208.8		28.27	12.23	21.33
33.0	1743	13.0					1743	8.1	8.2	8.2			2.70	219.8		28.28	12.23	21.33
32.0	1733	1.0	1.2	0.37			1733	8.3	8.2	8.3		35.2	0.50	42.9		27.25	12.28	20.53
32.0	1733	2.0					1733	8.2	8.2	8.3			0.50	42.9		27.23	12.28	20.51
32.0	1733	3.0					1733	8.2	8.2	8.3			0.50	42.6		27.23	12.28	20.51
32.0	1733	4.0					1733	8.2	8.2	8.3			0.50	42.7		27.25	12.28	20.53
32.0	1733	5.0					1733	8.2	8.2	8.3			0.51	43.6		27.49	12.27	20.72
32.0	1733	6.0					1733	8.2	8.2	8.3			0.53	44.9		27.88	12.24	21.02
32.0	1733	7.0					1733	8.1	8.2	8.2			0.54	45.6		28.38	12.29	21.40
32.0	1733	8.0					1733	8.1	8.2	8.2			0.71	59.4		28.53	12.30	21.52
32.0	1733	9.0					1733	8.1	8.2	8.2			0.98	81.4		28.56	12.29	21.54
32.0	1733	10.0					1733	8.1	8.2	8.2			1.35	111.3		28.57	12.29	21.55
32.0	1733	11.0					1733	8.0	8.2	8.2			1.59	130.0		28.58	12.29	21.56
32.0	1733	12.0	0.6	0.07			1733	8.1	8.2	8.2			1.95	159.2		28.58	12.28	21.56
31.0	1722	1.0	0.8	0.27			1722	7.4	7.5	7.5			0.43	37.3		28.07	12.31	21.16
31.0	1722	2.0					1722	7.6	7.7	7.7			0.45	38.8		28.08	12.31	21.17
31.0	1722	3.0					1722	7.7	7.8	7.8			0.48	40.9		28.09	12.31	21.17
31.0	1722	4.0					1722	7.8	7.9	7.9			0.48	40.8		28.09	12.31	21.18

LOCATION: South San Francisco Bay
 DATE: December 8, 1993
 JULIAN DAY: 93342
 SeaBird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS SPM	CALC SPM	EXCOF	SALIN	TEMP	SIGT
31.0	1722	5.0					7.8	8.0	8.0		0.48	41.0		28.10	12.31	21.18
31.0	1722	6.0					7.9	8.0	8.0		0.46	39.6		28.13	12.31	21.21
31.0	1722	7.0					7.9	8.0	8.0		0.48	41.0		28.17	12.31	21.23
31.0	1722	8.0					8.0	8.1	8.1		0.48	41.1		28.23	12.32	21.28
31.0	1722	9.0					8.0	8.1	8.1		0.48	41.0		28.35	12.33	21.37
31.0	1722	10.0					8.0	8.1	8.1		0.56	47.3		28.56	12.34	21.53
31.0	1722	11.0					8.0	8.1	8.1		0.70	58.7		28.64	12.34	21.59
31.0	1722	12.0					8.0	8.1	8.1		0.87	72.4		28.66	12.34	21.61
31.0	1722	13.0					8.0	8.1	8.1		0.95	79.2		28.67	12.34	21.61
31.0	1722	14.0					8.0	8.1	8.1		1.26	103.8		28.67	12.34	21.62
30.0	1706	1.0	1.2	0.44			8.1	8.2	8.2	27.0	0.30	26.4		28.62	12.35	21.58
30.0	1706	2.0					8.1	8.2	8.2		0.30	26.6		28.62	12.35	21.58
30.0	1706	3.0					8.1	8.2	8.2		0.31	27.1		28.63	12.35	21.58
30.0	1706	4.0					8.1	8.2	8.2		0.31	27.2		28.68	12.35	21.63
30.0	1706	5.0					8.1	8.2	8.2		0.33	28.9		28.72	12.35	21.65
30.0	1706	6.0					8.1	8.2	8.2		0.34	30.3		28.75	12.35	21.68
30.0	1706	7.0					8.1	8.2	8.2		0.35	31.0		28.80	12.35	21.72
30.0	1706	8.0					8.1	8.2	8.2		0.39	33.8		28.87	12.36	21.77
30.0	1706	9.0					8.1	8.2	8.2		0.48	41.5		28.90	12.36	21.80
30.0	1706	10.0					8.1	8.2	8.2		0.59	50.1		28.92	12.36	21.81
30.0	1706	11.0					8.1	8.2	8.2		0.67	56.7		28.95	12.36	21.83
30.0	1706	12.0					8.1	8.2	8.2		0.85	70.6		28.95	12.36	21.83
30.0	1706	13.0					8.1	8.2	8.2		0.95	78.6		28.96	12.36	21.84
30.0	1706	14.0					8.1	8.2	8.2		1.07	88.8		28.96	12.36	21.84
30.0	1706	15.0	1.4	0.21			8.1	8.2	8.2		1.20	99.0		28.96	12.36	21.84
29.5	1654	1.0	1.1	0.40			8.0	8.1	8.1		0.25	22.4		28.95	12.36	21.83
29.5	1654	2.0					8.0	8.1	8.1		0.24	22.1		28.95	12.36	21.83
29.5	1654	3.0					8.0	8.2	8.2		0.25	22.7		28.95	12.36	21.83
29.5	1654	4.0					8.1	8.2	8.2		0.25	22.9		28.95	12.36	21.83

LOCATION: South San Francisco Bay
 DATE: December 8, 1993
 JULIAN DAY: 93342
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	OXYG	OXYG	CALC	DISCR	OBS	SPM	CALC	EXCOF	SALIN	TEMP	SIGT
29.5	1654	5.0							8.1	8.2	8.2		0.25	22.8			28.95	12.36	21.83
29.5	1654	6.0							8.1	8.2	8.2		0.25	23.1			29.01	12.35	21.88
29.5	1654	7.0							8.1	8.2	8.2		0.92	76.6			29.04	12.35	21.90
29.5	1654	8.0							8.1	8.2	8.2		0.59	50.1			29.14	12.36	21.98
29.5	1654	9.0							8.0	8.2	8.2		0.50	42.7			29.15	12.36	21.99
29.5	1654	10.0							8.1	8.2	8.2		0.56	47.7			29.16	12.36	21.99
29.5	1654	11.0							8.1	8.2	8.2		0.61	51.5			29.16	12.36	22.00
29.5	1654	12.0							8.1	8.2	8.2		0.63	52.9			29.17	12.36	22.00
29.5	1654	13.0							8.1	8.2	8.2		0.68	57.4			29.17	12.36	22.00
29.5	1654	14.0							8.1	8.2	8.2		0.76	63.4			29.17	12.36	22.00
29.5	1654	15.0							8.0	8.2	8.2		0.92	76.3			29.17	12.36	22.00
29.0	1643	1.0	1.3	0.52					8.0	8.1	8.1		0.19	18.0			29.17	12.40	22.00
29.0	1643	2.0							8.0	8.1	8.1		0.21	19.2			29.18	12.40	22.00
29.0	1643	3.0							8.0	8.1	8.1		0.22	20.6			29.20	12.40	22.01
29.0	1643	4.0							8.1	8.2	8.2		0.24	21.5			29.20	12.40	22.02
29.0	1643	5.0							8.1	8.2	8.2		0.26	23.4			29.22	12.40	22.03
29.0	1643	6.0							8.1	8.2	8.2		0.33	28.8			29.26	12.41	22.06
29.0	1643	7.0							8.1	8.2	8.2		0.34	30.0			29.27	12.41	22.07
29.0	1643	8.0							8.1	8.2	8.2		0.35	30.9			29.27	12.41	22.07
29.0	1643	9.0							8.1	8.2	8.2		0.36	31.7			29.28	12.41	22.07
29.0	1643	10.0							8.1	8.2	8.2		0.36	31.5			29.28	12.41	22.08
29.0	1643	11.0							8.1	8.2	8.2		0.36	31.8			29.28	12.41	22.08
29.0	1643	12.0							8.1	8.2	8.2		0.36	31.7			29.28	12.41	22.08
29.0	1643	13.0							8.1	8.2	8.2		0.42	36.2			29.27	12.41	22.07
29.0	1643	14.0							8.1	8.2	8.2		0.49	41.8			29.27	12.41	22.07
29.0	1643	15.0							8.1	8.2	8.2		0.50	42.7			29.27	12.41	22.07
28.0	1630	1.0	1.4	0.55					8.1	8.2	8.2		0.21	19.4			29.34	12.43	22.12
28.0	1630	2.0							8.1	8.2	8.2		0.21	19.5			29.34	12.42	22.12
28.0	1630	3.0							8.1	8.2	8.2		0.22	20.6			29.34	12.42	22.12

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LOCATION: South San Francisco Bay

DATE: December 8, 1993

JULIAN DAY: 93342

SeaBird v4.026

STN	TIME	DEPTH	DISCR	CHL a	CHL a/ a+PHA	FLUOR	CALC	DISCR	CHL a	OXYG	CALC	DISCR	OBS	SPM	EXCOF	SALIN	TEMP	SIGT
28.0	1630	4.0							8.1	8.2			0.23	20.8		29.34	12.42	22.12
28.0	1630	5.0							8.1	8.2			0.23	21.0		29.34	12.42	22.13
28.0	1630	6.0							8.1	8.3			0.24	21.9		29.36	12.42	22.13
28.0	1630	7.0							8.2	8.3			0.26	23.6		29.36	12.43	22.14
28.0	1630	8.0							8.2	8.3			0.27	24.3		29.37	12.43	22.14
28.0	1630	9.0							8.2	8.3			0.29	25.9		29.39	12.44	22.15
28.0	1630	10.0							8.2	8.3			0.34	30.1		29.40	12.44	22.16
28.0	1630	11.0							8.2	8.3			0.37	31.9		29.40	12.44	22.16
28.0	1630	12.0							8.2	8.3			0.41	35.5		29.40	12.45	22.17
28.0	1630	13.0							8.2	8.3			0.48	41.1		29.41	12.45	22.17
28.0	1630	14.0							8.2	8.3			0.56	47.9		29.41	12.45	22.17
28.0	1630	15.0							8.2	8.3			0.62	52.4		29.41	12.46	22.17
27.0	1617	1.0	1.5	0.44				8.2	8.1	8.2			0.25	22.8		29.44	12.46	22.19
27.0	1617	2.0							8.2	8.3		23.7	0.25	22.4		29.44	12.46	22.19
27.0	1617	3.0							8.2	8.3			0.25	22.6		29.44	12.46	22.19
27.0	1617	4.0							8.2	8.3			0.25	22.8		29.44	12.46	22.19
27.0	1617	5.0							8.2	8.3			0.26	23.2		29.44	12.46	22.19
27.0	1617	6.0							8.2	8.3			0.25	22.8		29.44	12.46	22.19
27.0	1617	7.0							8.2	8.3			0.29	25.6		29.44	12.45	22.19
27.0	1617	8.0							8.1	8.2			0.34	30.2		29.45	12.45	22.20
27.0	1617	9.0							8.2	8.3			0.37	32.4		29.45	12.46	22.20
27.0	1617	10.0							8.1	8.3			0.38	33.5		29.45	12.46	22.20
27.0	1617	11.0							8.2	8.3			0.38	33.2		29.45	12.46	22.20
27.0	1617	12.0							8.1	8.2			0.41	35.3		29.45	12.46	22.20
27.0	1617	13.0	1.7	0.32					8.2	8.3			0.47	40.3		29.46	12.46	22.21
26.0	1604	2.0	1.4	0.43	0.65	1.3			8.1	8.2			0.22	20.1	1.5	29.47	12.53	22.20
26.0	1604	3.0			0.65	1.3			8.1	8.2			0.22	20.6		29.47	12.53	22.20
26.0	1604	4.0			0.64	1.3			8.1	8.2			0.23	21.1		29.47	12.53	22.20
26.0	1604	5.0			0.64	1.3			8.1	8.2			0.23	21.4		29.47	12.53	22.20

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W

LOCATION: South San Francisco Bay
 DATE: December 8, 1993
 JULIAN DAY: 93342
 Seabird v4.026

STN	TIME	DEPTH	DISCR	CHL a/ a+PHA	FLUOR	CHL a	DISCR	OXYG	DISCR	OXYG	CALC	OXYG	DISCR	OBS	CALC	SPM	EXCOF	SALIN	TEMP	STGT
26.0	1604	6.0			0.65	1.3		8.1		8.2	8.2	8.2		0.25	22.9		29.47	12.53	22.20	
26.0	1604	7.0			0.67	1.3		8.1		8.2	8.2	8.2		0.25	23.1		29.47	12.53	22.20	
26.0	1604	8.0			0.69	1.3		8.1		8.2	8.2	8.2		0.26	23.2		29.47	12.53	22.20	
26.0	1604	9.0			0.71	1.3		8.1		8.2	8.2	8.2		0.29	25.6		29.47	12.53	22.20	
26.0	1604	10.0			0.70	1.3		8.1		8.2	8.2	8.2		0.37	32.2		29.47	12.52	22.20	
25.0	1547	1.0	1.3	0.46				8.2		8.3	8.3	8.3		0.26	23.2	1.9	29.41	12.41	22.17	
25.0	1547	2.0						8.2		8.3	8.3	8.3		0.26	23.4		29.41	12.41	22.17	
25.0	1547	3.0						8.2		8.3	8.3	8.3		0.25	22.8		29.41	12.41	22.17	
25.0	1547	4.0						8.2		8.3	8.3	8.3		0.25	22.9		29.41	12.41	22.17	
25.0	1547	5.0						8.2		8.3	8.3	8.3		0.27	24.1		29.41	12.41	22.17	
25.0	1547	6.0						8.2		8.3	8.3	8.3		0.28	25.0		29.41	12.41	22.17	
25.0	1547	7.0						8.2		8.3	8.3	8.3		0.29	25.9		29.41	12.41	22.17	
25.0	1547	8.0						8.2		8.3	8.3	8.3		0.31	27.3		29.41	12.41	22.17	
24.0	1531	1.0	1.0	0.43		1.2	8.1	8.1		8.2	8.2	8.2	18.6	0.17	16.6	1.4	29.49	12.50	22.22	
24.0	1531	2.0				1.2		8.1		8.2	8.2	8.2		0.17	16.3		29.49	12.50	22.22	
24.0	1531	3.0				1.2		8.1		8.2	8.2	8.2		0.17	16.4		29.49	12.50	22.22	
24.0	1531	4.0				1.2		8.1		8.2	8.2	8.2		0.18	17.0		29.49	12.49	22.22	
24.0	1531	5.0				1.2		8.1		8.2	8.2	8.2		0.18	17.2		29.49	12.49	22.22	
24.0	1531	6.0				1.3		8.1		8.2	8.2	8.2		0.19	18.0		29.49	12.49	22.23	
24.0	1531	7.0				1.3		8.1		8.2	8.2	8.2		0.21	19.4		29.49	12.49	22.23	
24.0	1531	8.0				1.3		8.1		8.2	8.2	8.2		0.21	19.6		29.50	12.49	22.23	
24.0	1531	9.0				1.3		8.1		8.2	8.2	8.2		0.23	20.9		29.50	12.49	22.23	
24.0	1531	10.0	1.4	0.45		1.3		8.1		8.2	8.2	8.2		0.23	21.2		29.50	12.50	22.23	
23.0	1513	1.0	1.4	0.40			8.0	8.0		8.2	8.2	8.2		0.28	24.8	1.6	29.39	12.38	22.17	
23.0	1513	2.0					8.1	8.1		8.2	8.2	8.2		0.27	24.3		29.39	12.38	22.16	
23.0	1513	3.0					8.1	8.1		8.2	8.2	8.2		0.26	23.7		29.39	12.38	22.17	
23.0	1513	4.0					8.1	8.1		8.2	8.2	8.2		0.27	24.6		29.39	12.38	22.16	
23.0	1513	5.0					8.1	8.1		8.2	8.2	8.2		0.27	24.2		29.38	12.38	22.16	

LOCATION: South San Francisco Bay
 DATE: December 8, 1993
 JULIAN DAY: 93342
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
23.0	1513	6.0						8.1	8.2		0.28	25.2		29.39	12.38	22.17
23.0	1513	7.0						8.1	8.2		0.28	24.8		29.39	12.38	22.17
23.0	1513	8.0						8.1	8.2		0.29	26.2		29.39	12.38	22.17
23.0	1513	9.0						8.1	8.2		0.32	28.6		29.39	12.37	22.17
23.0	1513	10.0						8.1	8.2		0.34	30.0		29.39	12.37	22.17
23.0	1513	11.0						8.1	8.2		0.35	30.5		29.39	12.37	22.17
23.0	1513	12.0						8.1	8.2		0.34	29.8		29.39	12.37	22.17
23.0	1513	13.0						8.1	8.2		0.34	29.6		29.39	12.37	22.17
23.0	1513	14.0						8.1	8.2		0.37	32.5		29.39	12.37	22.17
23.0	1513	15.0						8.1	8.2		0.41	35.5		29.40	12.37	22.17
23.0	1513	16.0						8.1	8.2		0.44	38.3		29.40	12.37	22.17
22.0	1458	1.0	1.3	0.43	0.50	1.2		7.7	7.9		0.23	21.1	1.5	29.56	12.40	22.30
22.0	1458	2.0			0.51	1.2		7.7	7.9		0.23	20.8		29.56	12.40	22.30
22.0	1458	3.0			0.52	1.2		7.7	7.9		0.22	20.5		29.56	12.40	22.30
22.0	1458	4.0			0.52	1.2		7.8	7.9		0.22	20.5		29.56	12.40	22.30
22.0	1458	5.0			0.51	1.2		7.8	7.9		0.23	20.9		29.56	12.40	22.30
22.0	1458	6.0			0.51	1.2		7.8	7.9		0.22	20.7		29.56	12.40	22.30
22.0	1458	7.0			0.53	1.2		7.8	7.9		0.25	22.3		29.56	12.39	22.30
22.0	1458	8.0			0.54	1.2		7.8	7.9		0.24	21.6		29.56	12.39	22.30
22.0	1458	9.0			0.56	1.2		7.8	7.9		0.24	22.1		29.56	12.39	22.30
22.0	1458	10.0			0.56	1.2		7.8	7.9		0.25	23.1		29.57	12.39	22.30
22.0	1458	11.0			0.57	1.2		7.8	7.9		0.34	30.1		29.57	12.39	22.30
22.0	1458	12.0			0.56	1.2		7.8	7.9		0.28	25.2		29.57	12.39	22.30
22.0	1458	13.0			0.56	1.2		7.8	7.9		0.29	26.0		29.57	12.39	22.31
22.0	1458	14.0			0.58	1.3		7.8	7.9		0.30	26.8		29.57	12.39	22.31
22.0	1458	15.0			0.58	1.3		7.8	7.9		0.31	27.7		29.57	12.39	22.31
22.0	1458	16.0			0.58	1.3		7.8	7.9		0.32	28.1		29.58	12.38	22.31
22.0	1458	17.0			0.57	1.3		7.8	7.9		0.35	30.9		29.58	12.39	22.31
22.0	1458	18.0			0.58	1.3		7.8	7.9		0.36	31.5		29.58	12.39	22.31

35

LOCATION: South San Francisco Bay
 DATE: December 8, 1993
 JULIAN DAY: 93342
 Seabird v4.026

STN	TIME	DEPTH	DISCR CHL a	CHL a/ a+PHA	FLUOR	CALC CHL a	DISCR OXYG	OXYG	CALC OXYG	DISCR SPM	OBS	CALC SPM	EXCOF	SALIN	TEMP	SIGT
21.0	1442	1.0	1.2	0.44	0.53	1.2	8.0	8.1	8.2	18.0	0.24	21.7	1.6	29.44	12.25	22.23
21.0	1442	2.0	1.2		0.52	1.2		8.1	8.2		0.25	22.3		29.44	12.25	22.23
21.0	1442	3.0	1.2		0.52	1.2		8.0	8.1		0.24	22.0		29.44	12.25	22.23
21.0	1442	4.0	1.2		0.53	1.2		8.0	8.1		0.25	23.1		29.44	12.24	22.23
21.0	1442	5.0	1.2		0.54	1.2		8.1	8.2		0.28	25.1		29.44	12.23	22.23
21.0	1442	6.0	1.2		0.55	1.2		8.1	8.2		0.29	25.6		29.44	12.23	22.23
21.0	1442	7.0	1.2		0.55	1.2		8.1	8.2		0.27	24.2		29.44	12.24	22.23
21.0	1442	8.0	1.2		0.55	1.2		8.1	8.2		0.27	24.2		29.44	12.23	22.23
21.0	1442	9.0	1.2		0.56	1.2		8.1	8.2		0.27	24.0		29.44	12.23	22.23
21.0	1442	10.0	1.3		0.58	1.3		8.0	8.2		0.26	23.6		29.44	12.24	22.23
21.0	1442	11.0	1.3		0.60	1.3		8.0	8.2		0.32	28.2		29.44	12.20	22.24
21.0	1442	12.0	1.3		0.61	1.3		8.1	8.2		0.32	28.3		29.44	12.19	22.24
21.0	1442	13.0	1.3		0.59	1.3		8.1	8.2		0.34	29.9		29.44	12.19	22.24
21.0	1442	14.0	1.3		0.58	1.3		8.1	8.2		0.32	28.2		29.43	12.20	22.24
21.0	1442	15.0	1.3		0.59	1.3		8.1	8.2		0.35	30.5		29.44	12.19	22.24
21.0	1442	16.0	1.3		0.63	1.3		8.1	8.2		0.38	32.7		29.45	12.19	22.25
21.0	1442	17.0	1.2	0.36	0.64	1.3		8.1	8.2		0.44	37.9		29.45	12.19	22.25

n	r^2	Slope	Inter.	Std. Err.
6	0.057	0.594	0.913	0.163
14	0.962	80.308	2.594	4.599
12	0.882	0.938	0.608	0.108

Fluorometer Calibration:
 OBS Calibration:
 Dissolved Oxygen Calibration:

NOTE: Dissolved Oxygen and SPM calibration regression calculated from combined North and South Bay discrete samples.

APPENDIX 4

Phytoplankton Species Composition and Abundance in San Francisco Bay. Water samples were collected from the bow pump except where different depths are noted after the station number. Density is the phytoplankton density in cells/mL and volume is the biovolume of the phytoplankton in cubic micrometers/mL

STATION	657	657	657	657	657	657	657	657	657
DATE	02/24/93	02/24/93	03/31/93	03/31/93	04/15/93	04/15/93	06/15/93	06/15/93	06/15/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume	Density
BACILLARIOPHYCEAE									
<i>Achnanthes lanceolata</i>									
<i>Achnanthes linearis</i>									
<i>Achnanthes microcephala</i>									
<i>Achnanthes minutissima</i>	8	1354			122	7858	0.8	74	
<i>Amphora</i> sp.									
<i>Asterionella formosa</i>							1.2	430	
<i>Bacillaria paradoxa</i>									
<i>Bacillaria paxillifer</i>									
<i>Chaetoceros socialis</i>					40	3260			
<i>Cocconeis placentula</i>									
<i>Coscinodiscus excentricus</i>									
<i>Coscinodiscus lineatus</i>									
<i>Cyclotella caspia</i>									
<i>Cyclotella glomerata</i>									
<i>Cyclotella kuetzingiana</i>									
<i>Cyclotella meneghiniana</i>	157	17756			122	49218	188	58917	
<i>Cyclotella pseudostelligera</i>							16	221	
<i>Cyclotella stelligera</i>	31	1844			102	14420			
<i>Cyclotella striata</i>					41	25635			
<i>Diatoma vulgare</i>							0.2	1046	
<i>Entomoneis paludosa</i>									
<i>Fragilaria crotonensis</i>					60	112560			
<i>Fragilaria pinnata</i>							25	500	
<i>Fragilaria</i> sp.									
<i>Fragilaria vaucheriae</i>	16	5100					3	503	
<i>Gyrosigma spencerii</i>							0.2	17850	
<i>Melosira granulata</i>	16	4210							
<i>Melosira granulata</i>					28	2815	28	9211	
<i>Melosira italica</i>			11	845					
<i>Melosira lirata</i>							9	2488	
<i>Melosira</i> sp.									
<i>Melosira varians</i>			125	861944	2	1448			
<i>Navicula cryptocephala</i>			2	2240					
<i>Navicula halophila</i>	4	1814							
<i>Navicula mutica</i>	4	1814							
<i>Navicula notha</i>					41	13883			
<i>Navicula subminiscula</i>									
<i>Navicula tripunctata</i>									
<i>Nitzschia acicularis</i>									
<i>Nitzschia agnewii</i>					41	5552			
<i>Nitzschia dissipata</i>									
<i>Nitzschia frustulum</i>									
<i>Nitzschia gracilis</i>							13	4875	
<i>Nitzschia inconspicua</i>					143	3866			
<i>Nitzschia kuetzingiana</i>	31	6795	0.8	154			25	2977	
<i>Nitzschia linearis</i>							13	39955	
<i>Nitzschia longissima</i>									
<i>Nitzschia palea</i>	63	38250	3	950	82	17258	13	7000	
<i>Nitzschia reversa</i>	16	6168							
<i>Nitzschia</i> sp.			4	16160					
<i>Nitzschia</i> sp. 1	31	49282							
<i>Pleurosigma aestuarii</i>									

STATION	657	657	657	657	657	657	657	657
DATE	02/24/93	02/24/93	03/31/93	03/31/93	04/15/93	04/15/93	06/15/93	06/15/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Pleurosigma elongatum</i>								
<i>Rhizosolenia delicatula</i>			2	11088				
<i>Rhizosolenia curvata</i>	8	2110						
<i>Stephanodiscus dubius</i>			250	92283	204	14158		
<i>Stephanodiscus hantzschii</i>			188	36079			188	58903
<i>Stephanodiscus</i> sp.					82	32044		
<i>Synedra delicatissima</i>			6	6048			0.8	4776
<i>Synedra radians</i>							0.8	643
<i>Synedra rumpens</i>								
<i>Synedra</i> sp. 1			0.8	7091	2	11964		
CHLOROPHYCEAE								
<i>Chlamydomonas</i> sp. 1							63	263
<i>Chlamydomonas</i> sp. 2								
<i>Chlorella marina</i>			125	10300	625	38500		
<i>Chlorella salina</i>					125	13000		
<i>Chlorella</i> sp.			125	4188			625	20938
<i>Choricystis</i> sp.								
<i>Coelastrum sphaericum</i>								
<i>Eudorina elegans</i>								
<i>Franceia</i> sp.								
<i>Kirchneriella obesa</i>								
<i>Microactinium pusillum</i>	94	1325						
<i>Monoraphidium contortum</i>			125	1713	250	15700	63	2094
<i>Monoraphidium convolutum</i>					0.8	50		
<i>Monoraphidium griffithii</i>								
<i>Nannochloris atomus</i>			625	2625	8250	34650	125	525
<i>Pediastrum boryanum</i>								
<i>Planctonema</i> sp.			125	92283	250	10250		
<i>Scenedesmus acuminatus</i>								
<i>Scenedesmus ecornis</i>								
<i>Scenedesmus intermedius</i>								
<i>Scenedesmus opoliensis</i>								
<i>Schroederia setigera</i>					0.8	157		
<i>Spermatozopsis</i> sp.					125	2289		
CHRYSOPHYCEAE								
<i>Chromulina</i> sp.								
<i>Dinobryon divergens</i>							5	1663
CRYPTOPHYCEAE								
<i>Chroomonas acuta</i>					250	7525	313	35594
<i>Chroomonas amphioxeia</i>							250	99500
<i>Chroomonas pleurococca</i>	31	3393						
<i>Chroomonas salina</i>			188	19500				
<i>Chroomonas</i> sp.	157	95224						
<i>Cryptomonas marsonii</i>					4	10780		
<i>Cryptomonas ovata</i>			6	4532	2	6111		
<i>Cryptomonas rostrata</i>			0.8	1047				
<i>Cryptomonas rostratiformis</i>							0.4	1598
<i>Cryptomonas</i> sp.								

STATION	657	657	657	657	657	657	657	657	657
DATE	02/24/93	02/24/93	03/31/93	03/31/93	04/15/93	04/15/93	06/15/93	06/15/93	06/15/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume	Density
CYANOPHYCEAE									
<i>Anabaena affinis</i>									
<i>Anabaena floe-aquae</i>							3	503	
<i>Anabaena sp.</i>			29	1885					
<i>Aphanocapsa delicatissima</i>					500	900			
<i>Dactylococcopsis acicularis</i>			63	1094	0.8	57			
<i>Dactylococcopsis fascicularis</i>	31	608			5	160			
<i>Marsoniella elegans</i>					750	900			
<i>Merismopedia tenuissima</i>									
<i>Oscillatoria agardhii</i>					119	3994			
<i>Oscillatoria limnetica</i>					10	40			
<i>Oscillatoria sp.</i>									
DINOPHYCEAE									
<i>Glenodinium sp.</i>					63	177159			
<i>Oxytoxum milneri</i>									
EUGLENOPHYCEAE									
<i>Euglena acus</i>			63	91954					
<i>Eutreptia lanowii</i>			2	293					
PRASINOPHYCEAE									
<i>Pyramimonas micron</i>									
HOLOTRICH CILIATE									
<i>Mesodinium rubrum</i>									
TOTAL:	698	237047	2066	1266295	12442	638158	1968	373046	

STATION	657	657	657	657	657 (2m)	657 (2m)	657	657
DATE	08/10/93	08/10/93	10/06/93	10/06/93	10/06/93	10/06/93	12/07/93	12/07/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume

BACILLARIOPHYCEAE

<i>Achnanthes lanceolata</i>								
<i>Achnanthes linearis</i>								
<i>Achnanthes microcephala</i>								
<i>Achnanthes minutissima</i>								
<i>Amphora</i> sp.			0.2	1301				
<i>Asterionella formosa</i>	0.8	739						
<i>Bacillaria paradoxa</i>	5	11578						
<i>Bacillaria paxillifer</i>							0.8	1736
<i>Chaetoceros socialis</i>								
<i>Cocconeis placentula</i>								
<i>Coscinodiscus excentricus</i>								
<i>Coscinodiscus lineatus</i>								
<i>Cyclotella caspia</i>					500	56500	16	529
<i>Cyclotella glomerata</i>					63	3142		
<i>Cyclotella kuetzingiana</i>								
<i>Cyclotella meneghiniana</i>			0.6	6769	0.4	4241	13	1767
<i>Cyclotella pseudostelligera</i>								
<i>Cyclotella stelligera</i>	188	50509					0.6	13
<i>Cyclotella striata</i>								
<i>Diatoma vulgare</i>								
<i>Entomoneis paludosa</i>								
<i>Fragilaria crotonensis</i>	62	63146						
<i>Fragilaria pinnata</i>	188	14100						
<i>Fragilaria</i> sp.							7	432
<i>Fragilaria vaucheriae</i>								
<i>Gyrosigma spencerii</i>								
<i>Melosira granulata</i>								
<i>Melosira granulata</i>	10	1508					0.8	57
<i>Melosira italica</i>	6	12726					1.4	181
<i>Melosira lirata</i>								
<i>Melosira</i> sp.			3	334			19	1152
<i>Melosira varians</i>	2	8335					4	14520
<i>Navicula cryptocephala</i>								
<i>Navicula halophila</i>								
<i>Navicula mutica</i>								
<i>Navicula notha</i>								
<i>Navicula subminiscula</i>								
<i>Navicula tripunctata</i>								
<i>Nitzschia acicularis</i>	2	2077						
<i>Nitzschia agnewii</i>								
<i>Nitzschia dissipata</i>								
<i>Nitzschia frustulum</i>	16	418						
<i>Nitzschia gracilis</i>								
<i>Nitzschia inconspicua</i>								
<i>Nitzschia kuetzingiana</i>			0.8	71	0.6	37		
<i>Nitzschia linearis</i>								
<i>Nitzschia longissima</i>	0.4	1286	0.4	1286				
<i>Nitzschia palea</i>			0.2	59				
<i>Nitzschia reversa</i>								
<i>Nitzschia</i> sp.								
<i>Nitzschia</i> sp. 1								
<i>Pleurosigma aestuarii</i>	0.4	7115						

STATION	657	657	657	657	657 (2m)	657 (2m)	657	657
DATE	08/10/93	08/10/93	10/06/93	10/06/93	10/06/93	10/06/93	12/07/93	12/07/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Pleurosigma elongatum</i>	0.8	4052						
<i>Rhizocleonia delicatula</i>								
<i>Rhoicosphenia curvata</i>	0.4	900						
<i>Stephanodiscus dubius</i>								
<i>Stephanodiscus hantzschii</i>			625	88355				
<i>Stephanodiscus</i> sp.	250	13165			16	839		
<i>Synedra delicatissima</i>								
<i>Synedra radians</i>	16	5789						
<i>Synedra rumpens</i>								
<i>Synedra</i> sp. 1								
CHLOROPHYCEAE								
<i>Chlamydomonas</i> sp. 1								
<i>Chlamydomonas</i> sp. 2								
<i>Chlorella marina</i>								
<i>Chlorella salina</i>	2688	55306						
<i>Chlorella</i> sp.			63	263				
<i>Choricystis</i> sp.	9688	22825			63	113		
<i>Coelastrum sphaericum</i>	375	24453						
<i>Eudorina elegans</i>							6	7884
<i>Franceia</i> sp.					6	1609		
<i>Kirchneriella obesa</i>								
<i>Microctinium pusillum</i>								
<i>Monoraphidium contortum</i>			0.2	13				
<i>Monoraphidium convolutum</i>								
<i>Monoraphidium griffithii</i>	1.2	101	0.2	16				
<i>Nannochloris atomus</i>			3000	12600	1625	6825	750	3150
<i>Pediastrum boryanum</i>								
<i>Planctonema</i> sp.								
<i>Scenedesmus acuminatus</i>			0.8	126			0.4	40
<i>Scenedesmus ecornis</i>			16	136				
<i>Scenedesmus intermedius</i>								
<i>Scenedesmus opoliensis</i>	2	402						
<i>Schroederia setigera</i>								
<i>Spermatozopsis</i> sp.								
CHRYSOPHYCEAE								
<i>Chromulina</i> sp.								
<i>Dinobryon divergens</i>								
CRYPTOPHYCEAE								
<i>Chroomonas acuta</i>	125	14238	750	85425	63	7119	188	21356
<i>Chroomonas amphioxeia</i>			0.8	302	0.2	75		
<i>Chroomonas pleurococca</i>								
<i>Chroomonas salina</i>	125	13000			625	65000		
<i>Chroomonas</i> sp.								
<i>Cryptomonas marsonii</i>	63	65775	0.2	103			1.0	720
<i>Cryptomonas ovata</i>			0.4	1417			0.2	509
<i>Cryptomonas rostrata</i>	2	825			0.6	2490	1.2	38400
<i>Cryptomonas rostratiformis</i>								
<i>Cryptomonas</i> sp.								

STATION	657	657	657	657	657 (2m)	657 (2m)	657	657
DATE	08/10/93	08/10/93	10/06/93	10/06/93	10/06/93	10/06/93	12/07/93	12/07/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
CYANOPHYCEAE								
<i>Anabaena affinis</i>	14	2328						
<i>Anabaena flos-aquae</i>								
<i>Anabaena</i> sp.								
<i>Aphanocapsa delicatissima</i>								
<i>Dactylococcopsis acicularis</i>								
<i>Dactylococcopsis fascicularis</i>								
<i>Marssonella elegans</i>								
<i>Merismopedia tenuissima</i>	500	600						
<i>Oscillatoria agardhii</i>								
<i>Oscillatoria limnetica</i>								
<i>Oscillatoria</i> sp.							19	465
DINOPHYCEAE								
<i>Glenodinium</i> sp.								
<i>Oxytoxum milneri</i>								
EUGLENOPHYCEAE								
<i>Euglena acus</i>	0.4	111						
<i>Eutreptia lanowii</i>								
PRASINOPHYCEAE								
<i>Pyramimonas micron</i>					63	1288		
HOLOTRICH CILIATE								
<i>Mesodinium rubrum</i>					2	15843		
TOTAL:	14327	397406	4461	198574	3025	165120	1028	92909

STATION	757	757	757	757	4.1	4.1	4.1	4.1
DATE	06/15/93	06/15/93	10/07/93	10/07/93	03/31/93	3/31/93	06/15/93	06/15/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
BACILLARIOPHYCEAE								
<i>Achnanthes lanceolata</i>							0.2	58
<i>Achnanthes linearis</i>					18	864		
<i>Achnanthes microcephala</i>					5	216		
<i>Achnanthes minutissima</i>							3	202
<i>Amphora</i> sp.								
<i>Asterionella formosa</i>	2	631						
<i>Bacillaria paradoxa</i>								
<i>Bacillaria paxillifer</i>								
<i>Chaetoceros socialis</i>								
<i>Cocconeis placentula</i>					5	4720		
<i>Coscinodiscus excentricus</i>			0.6	14807				
<i>Coscinodiscus lineatus</i>								
<i>Cyclotella caspia</i>								
<i>Cyclotella glomerata</i>							165	2337
<i>Cyclotella kuetzingiana</i>					5	3054		
<i>Cyclotella meneghiniana</i>	223	37830			5	226	86	43513
<i>Cyclotella pseudostelligera</i>	312	8429			5	226		
<i>Cyclotella stelligera</i>	89	20596	344	79499	36	3054		
<i>Cyclotella striata</i>								
<i>Diatoma vulgare</i>								
<i>Entomoneis paludosa</i>					0.4	10028		
<i>Fragilaria crotonensis</i>					10	8018		
<i>Fragilaria pinnata</i>	31	376						
<i>Fragilaria</i> sp.								
<i>Fragilaria vaucheriae</i>					5	1065		
<i>Gyrosigma spencerii</i>	0.2	17250						
<i>Melosira granulata</i>								
<i>Melosira granulata</i>	5	1079			12	18850	3	1053
<i>Melosira italica</i>								
<i>Melosira lirata</i>	673	2854698					200	397680
<i>Melosira</i> sp.			375	13526				
<i>Melosira varians</i>					0.8	8796		
<i>Navicula cryptocephala</i>								
<i>Navicula halophila</i>					5	4447		
<i>Navicula mutica</i>								
<i>Navicula notha</i>								
<i>Navicula subminiscula</i>							0.2	40
<i>Navicula tripunctata</i>					5	3618		
<i>Nitzschia acicularis</i>	63	5880					2	264
<i>Nitzschia agnewii</i>	125	5000					63	3750
<i>Nitzschia dissipata</i>					5	1964		
<i>Nitzschia frustulum</i>	0.3	4			5	1210		
<i>Nitzschia gracilis</i>								
<i>Nitzschia inconspicua</i>							13	150
<i>Nitzschia kuetzingiana</i>	63	2813	157	9640	23	4185		
<i>Nitzschia linearis</i>								
<i>Nitzschia longissima</i>	0.4	240						
<i>Nitzschia palea</i>	63	10688			9	2246	16	1672
<i>Nitzschia reversa</i>								
<i>Nitzschia</i> sp.								
<i>Nitzschia</i> sp. 1								
<i>Pleurosigma aestuarii</i>								

STATION	757	757	757	757	4.1	4.1	4.1	4.1
DATE	06/15/93	06/15/93	10/07/93	10/07/93	03/31/93	3/31/93	06/15/93	06/15/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Pleurosigma elongatum</i>	0.2	1013						
<i>Rhizocolenia delicatula</i>								
<i>Rhizosolenia curvata</i>								
<i>Stephanodiscus dubius</i>								
<i>Stephanodiscus hantzschii</i>							16	4105
<i>Stephanodiscus</i> sp.					5	1039		
<i>Synedra delicatissima</i>					5	8321		
<i>Synedra radians</i>								
<i>Synedra rumpens</i>					5	1954		
<i>Synedra</i> sp. 1					0.2	9050		
CHLOROPHYCEAE								
<i>Chlamydomonas</i> sp. 1	63	263						
<i>Chlamydomonas</i> sp. 2	31	1049						
<i>Chlorella marina</i>			63	11224				
<i>Chlorella salina</i>			1375	19438				
<i>Chlorella</i> sp.	1563	6563			125	1768		
<i>Choricystis</i> sp.	8750	8750						
<i>Coelastrum sphaericum</i>								
<i>Eudorina elegans</i>								
<i>Franceia</i> sp.								
<i>Kirchneriella obesa</i>	250	2094						
<i>Micractinium pusillum</i>								
<i>Monoraphidium contortum</i>			94	2458	0.8	50		
<i>Monoraphidium convolutum</i>								
<i>Monoraphidium griffithii</i>								
<i>Nannochloris atomus</i>			1625	6825			2125	8925
<i>Pediastrum boryanum</i>			4	2632	0.4	53		
<i>Planctonema</i> sp.							438	19037
<i>Scenedesmus acuminatus</i>								
<i>Scenedesmus ecomis</i>								
<i>Scenedesmus intermedius</i>			125	1311				
<i>Scenedesmus opoliensis</i>								
<i>Schroederia setigera</i>					8	855	3	2346
<i>Spermatozopsis</i> sp.								
CHRYSOPHYCEAE								
<i>Chromulina</i> sp.	313	1313						
<i>Dinobryon divergens</i>								
CRYPTOPHYCEAE								
<i>Chroomonas acuta</i>			344	39216			1313	149494
<i>Chroomonas amphioxeia</i>	63	23569						
<i>Chroomonas pleurococca</i>								
<i>Chroomonas salina</i>	1750	40746	814	84635			125	13000
<i>Chroomonas</i> sp.								
<i>Cryptomonas marsonii</i>					4	8820		
<i>Cryptomonas ovata</i>					0.4	1516		
<i>Cryptomonas rostrata</i>								
<i>Cryptomonas rostratiformis</i>					0.8	4063		
<i>Cryptomonas</i> sp.							0.2	57

STATION	757	757	757	757	4.1	4.1	4.1	4.1
DATE	06/15/93	06/15/93	10/07/93	10/07/93	03/31/93	3/31/93	06/15/93	06/15/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
CYANOPHYCEAE								
<i>Anabaena affinis</i>								
<i>Anabaena flos-aquae</i>								
<i>Anabaena</i> sp.					56	2653		
<i>Aphanocapsa delicatissima</i>								
<i>Dactylococcopsis acicularis</i>							63	1473
<i>Dactylococcopsis fascicularis</i>	63	245			16	404		
<i>Marsoniella elegans</i>								
<i>Merismopedia tenuissima</i>			1375	2430			750	900
<i>Oscillatoria agardhii</i>								
<i>Oscillatoria limnetica</i>								
<i>Oscillatoria</i> sp.								
DINOPHYCEAE								
<i>Glenodinium</i> sp.								
<i>Oxytoxum milneri</i>					0.4	3616		
EUGLENOPHYCEAE								
<i>Euglena acus</i>					0.4	352		
<i>Eutreptia lanowii</i>								
PRASINOPHYCEAE								
<i>Pyramimonas micron</i>								
HOLOTRICH CILIATE								
<i>Mesodinium rubrum</i>								
TOTAL:	14493	3051115	6695	287643	379	121301	5382	650054

STATION	4.1	4.1
DATE	10/06/93	10/06/93
DENSITY/VOLUME	Density	Volume

BACILLARIOPHYCEAE

<i>Achnanthes lanceolata</i>		
<i>Achnanthes linearis</i>		
<i>Achnanthes microcephala</i>		
<i>Achnanthes minutissima</i>		
<i>Amphora</i> sp.		
<i>Asterionella formosa</i>		
<i>Bacillaria paradoxa</i>		
<i>Bacillaria paxillifer</i>		
<i>Chaetoceros socialis</i>		
<i>Coccooneis placentula</i>		
<i>Coccinodiscus excentricus</i>		
<i>Coccinodiscus lineatus</i>	0.2	4276
<i>Cyclotella caspia</i>		
<i>Cyclotella glomerata</i>		
<i>Cyclotella kuetzingiana</i>		
<i>Cyclotella meneghiniana</i>		
<i>Cyclotella pseudostelligera</i>		
<i>Cyclotella stelligera</i>		
<i>Cyclotella striata</i>		
<i>Diatoma vulgare</i>		
<i>Entomoneis paludosa</i>		
<i>Fragilaria crotonensis</i>		
<i>Fragilaria pinnata</i>		
<i>Fragilaria</i> sp.		
<i>Fragilaria vaucheriae</i>		
<i>Gyrosigma spencerii</i>		
<i>Melosira granulata</i>		
<i>Melosira granulata</i>		
<i>Melosira italica</i>		
<i>Melosira lirata</i>		
<i>Melosira</i> sp.		
<i>Melosira varians</i>		
<i>Navicula cryptocephala</i>		
<i>Navicula halophila</i>		
<i>Navicula mutica</i>		
<i>Navicula notha</i>		
<i>Navicula subminiscula</i>		
<i>Navicula tripunctata</i>		
<i>Nitzschia acicularis</i>		
<i>Nitzschia agnewii</i>		
<i>Nitzschia dissipata</i>		
<i>Nitzschia frustulum</i>	6	143
<i>Nitzschia gracilis</i>		
<i>Nitzschia inconspicua</i>		
<i>Nitzschia kuetzingiana</i>	0.2	18
<i>Nitzschia linearis</i>		
<i>Nitzschia longissima</i>	0.2	643
<i>Nitzschia palea</i>		
<i>Nitzschia reversa</i>		
<i>Nitzschia</i> sp.		
<i>Nitzschia</i> sp. 1		
<i>Pleurosigma aestuarii</i>		

STATION	4.1	4.1
DATE	10/06/93	10/06/93
DENSITY/VOLUME	Density	Volume

<i>Pleurosigma elongatum</i>		
<i>Rhizosolenia delicatula</i>	0.6	1645
<i>Rhizosolenia curvata</i>		
<i>Stephanodiscus dubius</i>		
<i>Stephanodiscus hantzschii</i>		
<i>Stephanodiscus</i> sp.		
<i>Synedra delicatissima</i>		
<i>Synedra radians</i>		
<i>Synedra rumpens</i>		
<i>Synedra</i> sp. 1		

CHLOROPHYCEAE

<i>Chlamydomonas</i> sp. 1		
<i>Chlamydomonas</i> sp. 2		
<i>Chlorella marina</i>		
<i>Chlorella salina</i>	438	28634
<i>Chlorella</i> sp.		
<i>Choricystis</i> sp.		
<i>Coelastrum sphaericum</i>		
<i>Eudorina elegans</i>		
<i>Franceia</i> sp.		
<i>Kirchneriella obesa</i>		
<i>Micractinium pusillum</i>		
<i>Monoraphidium contortum</i>		
<i>Monoraphidium convolutum</i>		
<i>Monoraphidium griffithii</i>		
<i>Nannochloris atomus</i>	625	2625
<i>Pediastrum boryanum</i>		
<i>Planctonema</i> sp.		
<i>Scenedesmus acuminatus</i>		
<i>Scenedesmus eornis</i>		
<i>Scenedesmus intermedius</i>		
<i>Scenedesmus opoliensis</i>		
<i>Schroederia setigera</i>		
<i>Spermatozopsis</i> sp.		

CHRYSOPHYCEAE

<i>Chromulina</i> sp.		
<i>Dinobryon divergens</i>		

CRYPTOPHYCEAE

<i>Chroomonas acuta</i>	63	7119
<i>Chroomonas amphioxeia</i>	2	830
<i>Chroomonas pleurococca</i>		
<i>Chroomonas salina</i>	750	78000
<i>Chroomonas</i> sp.		
<i>Cryptomonas marsonii</i>		
<i>Cryptomonas ovata</i>		
<i>Cryptomonas rostrata</i>		
<i>Cryptomonas rostratiformis</i>		
<i>Cryptomonas</i> sp.		

STATION	4.1	4.1
DATE	10/06/93	10/06/93
DENSITY/VOLUME	Density	Volume

CYANOPHYCEAE

Anabaena affinis

Anabaena flos-aquae

Anabaena sp.

Aphanocapsa delicatissima

Dactylococcopsis acicularis

Dactylococcopsis fascicularis

Marsoniella elegans

Merismopedia tenuissima 250 442

Oscillatoria agardhii

Oscillatoria limnetica

Oscillatoria sp.

DINOPHYCEAE

Glenodinium sp.

Oxytoxum milneri

EUGLENOPHYCEAE

Euglena acus 0.2 929

Eutreptia lanowii

PRASINOPHYCEAE

Pyramimonas micron

HOLOTRICH CILIATE

Mesodinium rubrum 13 186606

TOTAL: 2148 311909

STATION	6	6	6	6	6	6	6
DATE	02/24/93	02/24/93	04/15/93	04/15/93	6/15/93	6/15/93	8/10/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density
BACILLARIOPHYCEAE							
<i>Achnanthes minutissima</i>					5	187	
<i>Chaetoceros debile</i>							0.4
<i>Coccinodiscus excentricus</i>							
<i>Coccinodiscus lineatus</i>							
<i>Coccinodiscus marginatus</i>							
<i>C. oculus-iridis</i>							
<i>Coccinodiscus radiatus</i>							8
<i>Cyclotella caspia</i>	16	6283					
<i>Cyclotella glomerata</i>					280	10555	8
<i>Cyclotella kuetzingiana</i>					10	2309	
<i>Cyclotella meneghiniana</i>	125	78538	125	95183	60	5890	63
<i>Cyclotella stelligera</i>			157	7867	10	1414	
<i>Cyclotella striata</i>							16
<i>Cylindrotheca closterium</i>							
<i>Cymbella sinuata</i>	4	620					
<i>Diploneis</i> sp.					0.4	1500	
<i>Ditylum brightwellii</i>							
<i>Entomoneis paludosa</i>							0.6
<i>Fragilaria crotonensis</i>					5	2808	
<i>Fragilaria pinnata</i>					5	187	
<i>Fragilaria</i> sp.							
<i>Gyrosigma fasciola</i>							
<i>Gyrosigma macrum</i>							
<i>Melosira lirata</i>					1142	2271548	
<i>Navicula capitata</i>							
<i>Navicula pupula</i>							
<i>Navicula</i> sp.	63	8695					
<i>Nitzschia acicularis</i>	63	80400					
<i>Nitzschia agnewii</i>					63	5025	
<i>Nitzschia dissipata</i>	4	2668					
<i>Nitzschia fonticola</i>	8	387					
<i>Nitzschia frustulum</i>							
<i>Nitzschia gracilis</i>	4	2398					
<i>Nitzschia inconspicua</i>					16	187	
<i>Nitzschia kuetzingiana</i>					10	374	
<i>Nitzschia palea</i>	125	97920					
<i>Nitzschia paleacea</i>	4	979					
<i>Nitzschia reversa</i>	63	47575					
<i>Nitzschia</i> sp. 1							
<i>Paralia sulcata</i>							
<i>Pleurosigma normanii</i>							
<i>Rhizosolenia delicatula</i>							
<i>Rhoicosphenia curvata</i>							
<i>Rhopalodia gibba</i>					0.4	8104	
<i>Stephanodiscus dubius</i>					140	1974	188
<i>Stephanodiscus hantzschii</i>			94	83262			
<i>Stephanodiscus</i> sp.			188	8173			
<i>Thalassiosira rotula</i>					0.4	1904	
<i>Thalassiosira subtilis</i>							
CHLOROPHYCEAE							
<i>Chlorella marina</i>					125	22449	63

STATION	6	6	6	6	6	6	6
DATE	02/24/93	02/24/93	04/15/93	04/15/93	6/15/93	6/15/93	8/10/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density
<i>Chlorella salina</i>							4250
<i>Chlorella</i> sp.	63	2094			125	525	
<i>Kirchneriella lunaris</i>					31	197	
<i>Kirchneriella obesa</i>							
<i>Lagerheimia genevensis</i>					31	590	
<i>Monoraphidium contortum</i>							
<i>Monoraphidium convolutum</i>							
<i>Monoraphidium griffithii</i>							
<i>Nannochloris atomus</i>			1377	5784	1000	1800	
<i>Planctonema</i> sp.							
CHRYSOPHYCEAE							
<i>Chrysococcus</i> sp.	63	884					
CRYPTOPHYCEAE							
<i>Chroomonas acuta</i>	63	1894	188	5653	125	14238	313
<i>Chroomonas amphioxeia</i>	63	3663					
<i>Chroomonas salina</i>	125	13000	970	100911	1563	162500	625
<i>Cryptomonas marsonii</i>			63	32282			
<i>Cryptomonas ovata</i>	188	482325	0.8	6600			
<i>Cryptomonas</i> sp.					125	35839	
CYANOPHYCEAE							
<i>Dactylococcopsis fascicularis</i>			63	2122	31	645	
<i>Merismopedia tenuissima</i>							875
DINOPHYCEAE							
<i>Ceratium minutum</i>							
<i>Dinophysis fortii</i>							
<i>Gonyaulax catenella</i>							0.6
<i>Gonyaulax</i> sp.							
<i>Gonyaulax tamarensis</i>							
<i>Gymnodinium splendens</i>							
<i>Heterocapsa triquetra</i>							63
<i>Katodinium rotundatum</i>							
<i>Oxytoxum milneri</i>							
<i>Proocentrum micans</i>							
<i>Protoperidinium</i> sp.							
EUGLENOPHYCEAE							
<i>Euglena acus</i>					0.2	7527	
<i>Eutreptia lanowii</i>							
PRASINOPHYCEAE							
<i>Pyramimonas grossii</i>							
<i>Pyramimonas micron</i>							
<i>Tetraselmis gracilis</i>							
HOLOTRICH CILIATE							
<i>Mesodinium rubrum</i>							
TOTAL:	1044	830323	3225	347837	4904	2560277	6470

STATION	6	6	6	6	6	8.1	8.1
DATE	8/10/93	10/06/93	10/06/93	12/07/93	12/07/93	10/07/93	10/07/93
DENSITY/VOLUME	Volume	Density	Volume	Density	Volume	Density	Volume

BACILLARIOPHYCEAE

<i>Achnanthes minutissima</i>							
<i>Chaetoceros debile</i>							
<i>Coecinodiscus excentricus</i>	51034			0.2	2644		
<i>Coecinodiscus lineatus</i>		0.6	38515			1.4	85010
<i>Coecinodiscus marginatus</i>		0.4	2737			3	11404
<i>C. oculus-iridis</i>							
<i>Coecinodiscus radiatus</i>	1501						
<i>Cyclotella caspia</i>							
<i>Cyclotella glomerata</i>	392						
<i>Cyclotella kuetzingiana</i>							
<i>Cyclotella meneghiniana</i>	16837	1.2	422			188	14726
<i>Cyclotella stelligera</i>							
<i>Cyclotella striata</i>	2401						
<i>Cylindrotheca closterium</i>							
<i>Cymbella sinuata</i>							
<i>Diploneis</i> sp.							
<i>Ditylum brightwellii</i>							
<i>Entomoneis paludosa</i>	15326						
<i>Fragilaria crotonensis</i>							
<i>Fragilaria pinnata</i>							
<i>Fragilaria</i> sp.							
<i>Gyrosigma fasciola</i>							
<i>Gyrosigma macrum</i>				2	738		
<i>Melosira lirata</i>							
<i>Navicula capitata</i>							
<i>Navicula pupula</i>							
<i>Navicula</i> sp.							
<i>Nitzschia acicularis</i>							
<i>Nitzschia agnewii</i>							
<i>Nitzschia dissipata</i>							
<i>Nitzschia fonticola</i>							
<i>Nitzschia frustulum</i>		13	300			563	2250
<i>Nitzschia gracilis</i>							
<i>Nitzschia inconspicua</i>							
<i>Nitzschia kuetzingiana</i>							
<i>Nitzschia palea</i>							
<i>Nitzschia paleacea</i>							
<i>Nitzschia reversa</i>							
<i>Nitzschia</i> sp. 1							
<i>Paralia sulcata</i>		1.2	443				
<i>Pleurosigma normanii</i>							
<i>Rhizosolenia delicatula</i>		1.2	3289	2	4934	2	4385
<i>Rhoicosphenia curvata</i>							
<i>Rhopalodia gibba</i>							
<i>Stephanodiscus dubius</i>	6809						
<i>Stephanodiscus hantzschii</i>							
<i>Stephanodiscus</i> sp.							
<i>Thalassiosira rotula</i>							
<i>Thalassiosira subtilis</i>							

CHLOROPHYCEAE

<i>Chlorella marina</i>	3398						
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STATION	6	6	6	6	6	8.1	8.1
DATE	8/10/93	10/06/93	10/06/93	12/07/93	12/07/93	10/07/93	10/07/93
DENSITY/VOLUME	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Chlorella salina</i>	12517						
<i>Chlorella</i> sp.							
<i>Kirchneriella lunaris</i>							
<i>Kirchneriella obesa</i>							
<i>Lagerheimia genevensis</i>							
<i>Monoraphidium contortum</i>							
<i>Monoraphidium convolutum</i>							
<i>Monoraphidium griffithii</i>							
<i>Nannochloris atomus</i>				125	525	375	1575
<i>Planctonema</i> sp.							
CHRYSOPHYCEAE							
<i>Chrysococcus</i> sp.							
CRYPTOPHYCEAE							
<i>Chroomonas acuta</i>	35599			313	35594	188	21356
<i>Chroomonas amphioxeia</i>		1.2	453	0.6	226	2	754
<i>Chroomonas salina</i>	65000	50	5200	1500	156000	688	71500
<i>Cryptomonas marsonii</i>							
<i>Cryptomonas ovata</i>							
<i>Cryptomonas</i> sp.							
CYANOPHYCEAE							
<i>Dactylococcopsis fascicularis</i>							
<i>Merismopedia tenuissima</i>	1050						
DINOPHYCEAE							
<i>Ceratium minutum</i>							
<i>Dinophysis fortii</i>							
<i>Gonyaulax catenella</i>	4031						
<i>Gonyaulax</i> sp.						0.4	1289
<i>Gonyaulax tamarensis</i>						0.2	147
<i>Gymnodinium splendens</i>							
<i>Heterocapsa triquetra</i>	110788						
<i>Katodinium rotundatum</i>							
<i>Oxytoxum milneri</i>							
<i>Proocentrum micans</i>							
<i>Protoperdinium</i> sp.		0.4	5439				
EUGLENOPHYCEAE							
<i>Euglena acus</i>							
<i>Eutreptia lanowii</i>							
PRASINOPHYCEAE							
<i>Pyramimonas grossii</i>							
<i>Pyramimonas micron</i>							
<i>Tetraselmis gracilis</i>							
HOLOTRICH CILIATE							
<i>Mesodinium rubrum</i>				3	738	0.8	6337
TOTAL:	326682	69	56798	1945	201400	2009	220732

STATION	12.5	12.5	12.5	12.5	12.5	12.5	13
DATE	03/31/93	03/31/93	6/15/93	6/15/93	10/06/93	10/06/93	02/24/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density

BACILLARIOPHYCEAE

<i>Achnanthes minutissima</i>							4
<i>Chaetoceros debile</i>							
<i>Coccinodiscus excentricus</i>					9	44295	
<i>Coccinodiscus lineatus</i>			3	562001	1.2	29615	
<i>Coccinodiscus marginatus</i>							
<i>C. oculus-iridis</i>							
<i>Coccinodiscus radiatus</i>							94
<i>Cyclotella caspia</i>							
<i>Cyclotella glomerata</i>			16	588			
<i>Cyclotella kuetzingiana</i>							
<i>Cyclotella meneghiniana</i>	313	38647	63	39269			12
<i>Cyclotella stelligera</i>	5188	347044					112
<i>Cyclotella striata</i>							
<i>Cylindrotheca closterium</i>							
<i>Cymbella sinuata</i>							
<i>Diploneis</i> sp.							
<i>Ditylum brightwellii</i>	0.8	264058					
<i>Entomoneis paludosa</i>							
<i>Fragilaria crotonensis</i>							
<i>Fragilaria pinnata</i>							
<i>Fragilaria</i> sp.			0.8	137			
<i>Gyrosigma fasciola</i>							
<i>Gyrosigma macrum</i>							
<i>Melosira lirata</i>			26	19754			
<i>Navicula capitata</i>							4
<i>Navicula pupula</i>							4
<i>Navicula</i> sp.							
<i>Nitzschia acicularis</i>							
<i>Nitzschia agnewii</i>							
<i>Nitzschia dissipata</i>							
<i>Nitzschia fonticola</i>							4
<i>Nitzschia frustulum</i>					125	4000	
<i>Nitzschia gracilis</i>							
<i>Nitzschia inconspicua</i>							
<i>Nitzschia kuetzingiana</i>							4
<i>Nitzschia palea</i>							8
<i>Nitzschia paleacea</i>							12
<i>Nitzschia reversa</i>							4
<i>Nitzschia</i> sp. 1	63	10069					
<i>Paralia sulcata</i>							
<i>Pleurosigma normanii</i>							
<i>Rhizosolenia delicatula</i>					2	6029	
<i>Rhizosolenia curvata</i>							4
<i>Rhopalodia gibba</i>							
<i>Stephanodiscus dubius</i>							
<i>Stephanodiscus hantzschii</i>							
<i>Stephanodiscus</i> sp.							
<i>Thalassiosira rotula</i>			0.2	6803			
<i>Thalassiosira subtilis</i>							

CHLOROPHYCEAE

<i>Chlorella marina</i>	500	40700					
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STATION	12.5	12.5	12.5	12.5	12.5	12.5	13
DATE	03/31/93	03/31/93	6/15/93	6/15/93	10/06/93	10/06/93	02/24/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density
<i>Chlorella salina</i>							
<i>Chlorella</i> sp.							
<i>Kirchneriella lunaris</i>							
<i>Kirchneriella obesa</i>	125	1048					
<i>Lagerheimia genevensis</i>							
<i>Monoraphidium contortum</i>	188	2595					
<i>Monoraphidium convolutum</i>	188	786					
<i>Monoraphidium griffithii</i>	31	1780					
<i>Nannochloris atomus</i>	2313	9713	1125	4725	63	263	2750
<i>Planctonema</i> sp.	688	37448					
CHRYSOPHYCEAE							
<i>Chrysococcus</i> sp.							
CRYPTOPHYCEAE							
<i>Chroomonas acuta</i>	625	18813					563
<i>Chroomonas amphioxeia</i>	63	25088	313	131250	500	188550	
<i>Chroomonas salina</i>	250	26000	1313	136500	8500	884000	407
<i>Cryptomonas marsonii</i>							
<i>Cryptomonas ovata</i>							
<i>Cryptomonas</i> sp.							
CYANOPHYCEAE							
<i>Dactylococcopsis fascicularis</i>							
<i>Merismopedia tenuissima</i>							
DINOPHYCEAE							
<i>Ceratium minutum</i>					0.2	13911	
<i>Dinophysis fortii</i>							
<i>Gonyaulax catenella</i>							
<i>Gonyaulax</i> sp.							
<i>Gonyaulax tamarensis</i>							
<i>Gymnodinium splendens</i>	1063	1.96E+08					
<i>Heterocapsa triquetra</i>	63	110788					
<i>Katodinium rotundatum</i>	31	5395	250	25450	63	17550	344
<i>Oxytoxum milneri</i>							
<i>Prorocentrum micans</i>					0.6	1213	
<i>Proto-peridinium</i> sp.					0.2	1885	
EUGLENOPHYCEAE							
<i>Euglena acus</i>							
<i>Eutreptia lanowii</i>			0.2	119			
PRASINOPHYCEAE							
<i>Pyramimonas grossii</i>							31
<i>Pyramimonas micron</i>	375	12263					
<i>Tetraselmis gracilis</i>							
HOLOTRICH CILIATE							
<i>Mesodinium rubrum</i>			266	3754734			
TOTAL:	12063	1.97E+08	3374	4681329	9264	1191310	4361

STATION	13	13	13	13	13	13	13
DATE	02/24/93	04/15/93	04/15/93	6/15/93	6/15/93	8/10/93	8/10/93
DENSITY/VOLUME	Volume	Density	Volume	Density	Volume	Density	Volume
BACILLARIOPHYCEAE							
<i>Achnanthes minutissima</i>	128						
<i>Chaetoceros debile</i>		188	216815				
<i>Coecinodiscus excentricus</i>							
<i>Coecinodiscus lineatus</i>				2	412134	5	279858
<i>Coecinodiscus marginatus</i>							
<i>C. oculus-iridis</i>		125	99730713				
<i>Coecinodiscus radiatus</i>	36893						
<i>Cyclotella caspia</i>							
<i>Cyclotella glomerata</i>							
<i>Cyclotella kuetzingiana</i>		313	56522				
<i>Cyclotella meneghiniana</i>	1696	1938	328678	31	3540	16	4202
<i>Cyclotella stelligera</i>	4222						
<i>Cyclotella striata</i>							
<i>Cylindrotheca closterium</i>		63	7071				
<i>Cymbella sinuata</i>							
<i>Diploneis</i> sp.							
<i>Ditylum brightwellii</i>							
<i>Entomoneis paludosa</i>							
<i>Fragilaria crotonensis</i>							
<i>Fragilaria pinnata</i>							
<i>Fragilaria</i> sp.							
<i>Gyrosigma fasciola</i>						0.6	7757
<i>Gyrosigma macrum</i>							
<i>Melosira lirata</i>							
<i>Navicula capitata</i>	1088						
<i>Navicula pupula</i>	4127						
<i>Navicula</i> sp.							
<i>Nitzschia acicularis</i>							
<i>Nitzschia agnewii</i>							
<i>Nitzschia dissipata</i>							
<i>Nitzschia fonticola</i>	324						
<i>Nitzschia frustulum</i>							
<i>Nitzschia gracilis</i>							
<i>Nitzschia inconspicua</i>							
<i>Nitzschia kuetzingiana</i>	685						
<i>Nitzschia palea</i>	2285						
<i>Nitzschia paleacea</i>	3340						
<i>Nitzschia reversa</i>	2190						
<i>Nitzschia</i> sp. 1							
<i>Paralia sulcata</i>							
<i>Pleurosigma normanii</i>						0.2	2412
<i>Rhizosolenia delicatula</i>						1.2	8316
<i>Rhoicosphenia curvata</i>	1440						
<i>Rhopalodia gibba</i>							
<i>Stephanodiscus dubius</i>							
<i>Stephanodiscus hantzschii</i>							
<i>Stephanodiscus</i> sp.							
<i>Thalassiosira rotula</i>							
<i>Thalassiosira subtilis</i>						3	12252
CHLOROPHYCEAE							
<i>Chlorella marina</i>		500	32725	219	18054		

STATION	13	13	13	13	13	13	13
DATE	02/24/93	04/15/93	04/15/93	6/15/93	6/15/93	8/10/93	8/10/93
DENSITY/VOLUME	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Chlorella salina</i>				31	1049		
<i>Chlorella</i> sp.							
<i>Kirchneriella lunaris</i>							
<i>Kirchneriella obesa</i>							
<i>Lagerheimia genevensis</i>							
<i>Monoraphidium contortum</i>							
<i>Monoraphidium convolutum</i>							
<i>Monoraphidium griffithii</i>							
<i>Nannochloris atomus</i>	11550	2188	9188	595	2197	750	3750
<i>Planctonema</i> sp.							
CHRYSOPHYCEAE							
<i>Chrysococcus</i> sp.							
CRYPTOPHYCEAE							
<i>Chroomonas acuta</i>	17059	1063	31981	1096	124778	750	85425
<i>Chroomonas amphioxea</i>		125	41137	93	39228	750	282825
<i>Chroomonas salina</i>	42328	250	26000	1096	3255	3125	325000
<i>Cryptomonas marsonii</i>							
<i>Cryptomonas ovata</i>							
<i>Cryptomonas</i> sp.							
CYANOPHYCEAE							
<i>Dactylococcopsis fascicularis</i>							
<i>Merismopedia tenuissima</i>							
DINOPHYCEAE							
<i>Ceratium minutum</i>							
<i>Dinophysis fortii</i>							
<i>Gonyaulax catenella</i>						0.6	4031
<i>Gonyaulax</i> sp.							
<i>Gonyaulax tamarensis</i>		93	59635				
<i>Gymnodinium splendens</i>							
<i>Heterocapsa triquetra</i>		125	221575			0.8	1418
<i>Katodinium rotundatum</i>	29191	1125	95513	751	76461	0.2	56
<i>Oxytoxum milneri</i>				0.2	66015	0.2	997
<i>Procentrum micans</i>							
<i>Protoperdinium</i> sp.						0.6	5655
EUGLENOPHYCEAE							
<i>Euglena acus</i>							
<i>Eutreptia lanowii</i>				0.4	237		
PRASINOPHYCEAE							
<i>Pyramimonas grossii</i>	1955	875	106873				
<i>Pyramimonas micron</i>		875	24894				
<i>Tetraselmis gracilis</i>		125	20566				
HOLOTRICH CILIATE							
<i>Mesodinium rubrum</i>		63	691006	344	2726630		
TOTAL:	160501	10031	1.02E+08	4259	3473577	5403	1023955

STATION	13	13	13	13
DATE	10/06/93	10/06/93	12/07/93	12/07/93
DENSITY/VOLUME	Density	Volume	Density	Volume

BACILLARIOPHYCEAE

<i>Achnanthes minutissima</i>				
<i>Chaetoceros debile</i>				
<i>Coecinodiscus excentricus</i>	4	25544	1	10603
<i>Coecinodiscus lineatus</i>	0.4	18539	0.2	12144
<i>Coecinodiscus marginatus</i>				
<i>C. oculus-iridis</i>				
<i>Coecinodiscus radiatus</i>				
<i>Cyclotella caspia</i>				
<i>Cyclotella glomerata</i>				
<i>Cyclotella kuetzingiana</i>				
<i>Cyclotella meneghiniana</i>	7	12370		
<i>Cyclotella stelligera</i>				
<i>Cyclotella striata</i>				
<i>Cylindrotheca closterium</i>				
<i>Cymbella sinuata</i>				
<i>Diploneis</i> sp.				
<i>Ditylum brightwellii</i>				
<i>Entomoneis paludosa</i>				
<i>Fragilaria crotonensis</i>				
<i>Fragilaria pinnata</i>				
<i>Fragilaria</i> sp.				
<i>Gyrosigma fasciola</i>				
<i>Gyrosigma macrum</i>				
<i>Melosira lirata</i>				
<i>Navicula capitata</i>				
<i>Navicula pupula</i>				
<i>Navicula</i> sp.				
<i>Nitzschia acicularis</i>				
<i>Nitzschia agnewii</i>				
<i>Nitzschia dissipata</i>				
<i>Nitzschia fonticola</i>				
<i>Nitzschia frustulum</i>				
<i>Nitzschia gracilis</i>				
<i>Nitzschia inconspicua</i>				
<i>Nitzschia kuetzingiana</i>				
<i>Nitzschia palea</i>				
<i>Nitzschia paleacea</i>				
<i>Nitzschia reversa</i>				
<i>Nitzschia</i> sp. 1				
<i>Paralia sulcata</i>				
<i>Pleurosigma normanii</i>				
<i>Rhizosolenia delicatula</i>	0.8	2192		
<i>Rhoicosphenia curvata</i>				
<i>Rhopalodia gibba</i>				
<i>Stephanodiscus dubius</i>				
<i>Stephanodiscus hantzschii</i>				
<i>Stephanodiscus</i> sp.				
<i>Thalassiosira rotula</i>				
<i>Thalassiosira subtilis</i>				

CHLOROPHYCEAE

Chlorella marina

STATION	13	13	13	13
DATE	10/06/93	10/06/93	12/07/93	12/07/93
DENSITY/VOLUME	Density	Volume	Density	Volume

Chlorella salina
Chlorella sp.
Kirchneriella lunaris
Kirchneriella obesa
Lagerheimia genevensis
Monoraphidium contortum
Monoraphidium convolutum
Monoraphidium griffithii
Nannochloris atomus
Panctonema sp.

CHRYSOPHYCEAE

Chrysococcus sp.

CRYPTOPHYCEAE

<i>Chroomonas acuta</i>			1.2	137
<i>Chroomonas amphioxeia</i>	375	141413	57	21419
<i>Chroomonas salina</i>	3875	403000	49	5075
<i>Cryptomonas marsonii</i>				
<i>Cryptomonas ovata</i>				
<i>Cryptomonas sp.</i>				

CYANOPHYCEAE

Dactylococcopsis fascicularis

Merismopedia tenuissima

DINOPHYCEAE

<i>Ceratium minutum</i>	0.8	55646		
<i>Dinophysis fortii</i>	0.2	7503		
<i>Gonyaulax catenella</i>				
<i>Gonyaulax sp.</i>				
<i>Gonyaulax tamarensis</i>	2	5947		
<i>Gymnodinium splendens</i>	1.4	102200	1.0	76572
<i>Heterocapsa triquetra</i>				
<i>Katodinium rotundatum</i>	156	43889		
<i>Oxytoxum milneri</i>				
<i>Proocentrum micans</i>	0.2	404	1.2	2425
<i>Protoperdinium sp.</i>				

EUGLENOPHYCEAE

Euglena acus

<i>Eutreptia lanowii</i>	0.6	356	4	2136
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PRASINOPHYCEAE

<i>Pyramimonas grossii</i>			0.2	24
<i>Pyramimonas micron</i>			0.4	15
<i>Tetraselmis gracilis</i>				

HOLOTRICH CILIATE

<i>Mesodinium rubrum</i>			5	42777
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TOTAL:	4424	819003	119	173327
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STATION	18	18	18	18	18	18	18	18
DATE	02/24/93	02/24/93	4/15/93	4/15/93	6/15/93	6/15/93	8/10/93	8/10/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
BACILLARIOPHYCEAE								
<i>Asterionella glacialis</i>			0.6	10191				
<i>Biddulphia aurita</i>					0.8	11905		
<i>Biddulphia mobilensis</i>								
<i>Biddulphia pulchella</i>								
<i>Chaetoceros debile</i>			0.6	567				
<i>Chaetoceros didymus</i>								
<i>Chaetoceros gracilis</i>					375	7950	63	785
<i>Chaetoceros socialis</i>			6	522				
<i>Chaetoceros wighamii</i>								
<i>Coccinodiscus concinnus</i>								
<i>Coccinodiscus excentricus</i>					0.4	22564	0.8	90254
<i>Coccinodiscus lineatus</i>			11	2023202			1.4	87067
<i>Coccinodiscus marginatus</i>								
<i>C. oculus-iridis</i>								
<i>Coccinodiscus radiatus</i>	31	28319						
<i>Cyclotella caspia</i>								
<i>Cyclotella meneghiniana</i>	282	39866			63	3142	125	14765
<i>Cyclotella sp.</i>								
<i>Cyclotella stelligera</i>								
<i>Cyclotella striata</i>								
<i>Cylindrotheca closterium</i>					4	2534	0.4	89
<i>Ditylum brightwellii</i>			2	528121				
<i>Eucampia zodiacus</i>			2	60470				
<i>Gyrosigma acuminatum</i>								
<i>Gyrosigma fasciola</i>							0.2	2586
<i>Leptocylindrus minimus</i>								
<i>Lithodesmium undulatum</i>								
<i>Melosira lirata</i>								
<i>Melosira nummuloides</i>								
<i>Navicula peregrina</i>								
<i>Nitzschia kuetzingiana</i>								
<i>Nitzschia longissima</i>								
<i>Nitzschia pacifica</i>								
<i>Nitzschia palea</i>							2	1385
<i>Nitzschia paleacea</i>								
<i>Nitzschia reversa</i>								
<i>Nitzschia seriata</i>			2	6754	5	17560		
<i>Nitzschia vitrea</i>								
<i>Paralia sulcata</i>	63	31800						
<i>Pleurosigma aestuarii</i>								
<i>Pleurosigma angulatum</i>								
<i>Pleurosigma elongatum</i>								
<i>Pleurosigma normanii</i>			1.0	12104				
<i>Rhizosolenia delicatula</i>								
<i>Rhizosolenia fragilissima</i>					0.8	5941		
<i>Rhizosolenia setigera</i>					0.4	7238		
<i>Rhizosolenia stouterfothii</i>			0.2	2777				
<i>Skeletonema costatum</i>			7	558	14	1025		
<i>Streptotheca tamesis</i>								
<i>Thalassionema nitzschioides</i>								
<i>Thalassiosira rotula</i>			52	500287				
<i>Thalassiosira sp.</i>								

STATION	18	18	18	18	18	18	18	18
DATE	02/24/93	02/24/93	4/15/93	4/15/93	6/15/93	6/15/93	8/10/93	8/10/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume

Thalassiothrix frauenfeldii

CHLOROPHYCEAE

Chlamydomonas sp. 1

Chlorella marina

Chlorella salina 125 2800 750 3150

Chlorella sp.

Monoraphidium contortum

Monoraphidium convolutum 31 175

Monoraphidium sp.

Nannochloris atomus 344 620 4063 17063 2938 12338 688 2888

Planctonema sp.

CHRYSOPHYCEAE

Distephanus speculum

CRYPTOPHYCEAE

Chroomonas acuta 939 28452 1063 31981 1688 192171 813 92544

Chroomonas amphioxeia 688 259256 250 110000 125 47138

Chroomonas salina 470 48880 1250 130000 1313 136500 2875 299000

CYANOPHYCEAE

Dactylococcopsis fascicularis

DINOPHYCEAE

Ceratium minutum 0.2 8924

Dinophysis fortii

Dinophysis sp. 1.2 13117

Gonyaulax catenella

Gonyaulax sp. 6 50392 21 142441

Gonyaulax tamarensis 0.8 2268

Gonyaulax triacantha 20 22999 2 1103 3 2205

Gymnodinium sp.

Gymnodinium splendens 3 478843

Gyrodinium spirale 0.4 49384 0.8 147336

Heterocapsa triquetra 7 12408 7 12054 5 9572

Katodinium rotundatum 0.2 20 0.4 41 0.8 39

Noctiluca sp.

Oxytoxum milneri 0.2 997 0.8 3989 2 9972

Peridinium sp.

Prorocentrum aporum

Prorocentrum gracile 0.6 1260 5 24730 3 14426

Prorocentrum micans

Prorocentrum minimum 20 28520 0.4 276 5 14740

Proto-peridinium brevipes

Proto-peridinium deficiens

Proto-peridinium depressum 0.2 86002

Proto-peridinium sp. 0.2 4535

EUGLENOPHYCEAE

Euglena sp. 31 24425

Eutreptia lanowii 2 1305

STATION	18	18	18	18	18	18	18	18
DATE	02/24/93	02/24/93	4/15/93	4/15/93	6/15/93	6/15/93	8/10/93	8/10/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
PRASINOPHYCEAE								
<i>Pyramimonas grossii</i>			16	1929			0.2	24
<i>Pyramimonas micron</i>	125	1025	1063	23532	188	16114	188	13013
<i>Pyramimonas</i> sp. 1								
<i>Tetraselmis gracilis</i>								
HOLOTRICH CILIATE								
<i>Mesodinium rubrum</i>					5	57492		
TOTAL:	2379	181762	8347	4321195	7632	857024	4900	858750

STATION	18	18	18 (36m)	18 (36m)	18	18	24	24
DATE	10/05/93	10/05/93	10/05/93	10/05/93	12/07/93	12/07/93	03/18/93	03/18/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume

BACILLARIOPHYCEAE

<i>Asterionella glacialis</i>								
<i>Biddulphia aurita</i>								
<i>Biddulphia mobiliensis</i>	0.4	4173	0.4	26258				
<i>Biddulphia pulchella</i>					0.4	4916		
<i>Chaetoceros debile</i>	0.8	1000						
<i>Chaetoceros didymus</i>					0.2	6		
<i>Chaetoceros gracilis</i>	0.4	148			0.8	296	63	6136
<i>Chaetoceros socialis</i>							188	15313
<i>Chaetoceros wighami</i>								
<i>Coccinodiscus concinnus</i>								
<i>Coccinodiscus exoetricus</i>					1.0	24532		
<i>Coccinodiscus lineatus</i>	0.6	5754	0.8	443376	0.6	93303	31	331860
<i>Coccinodiscus marginatus</i>			1.0	3801	0.2	943		
<i>C. oculus-iridis</i>					0.6	318960		
<i>Coccinodiscus radiatus</i>								
<i>Cyclotella caspia</i>								
<i>Cyclotella meneghiniana</i>			8	1131	16	2205		
<i>Cyclotella sp.</i>					250	28274		
<i>Cyclotella stelligera</i>								
<i>Cyclotella striata</i>								
<i>Cylindrotheca closterium</i>	0.4	230						
<i>Ditylum brightwellii</i>	0.4	117617					31	10298350
<i>Eucampia zodiacus</i>	0.4	10078	3	15874	0.4	1052		
<i>Gyrosigma acuminatum</i>								
<i>Gyrosigma fasciola</i>								
<i>Leptocylindrus minimus</i>								
<i>Lithodesmium undulatum</i>								
<i>Melosira lirata</i>								
<i>Melosira nummuloides</i>					0.4	282		
<i>Navicula peregrina</i>			0.4	15932				
<i>Nitzschia kuetzingiana</i>	0.4	14						
<i>Nitzschia longissima</i>	6	20582	6	19296	1.2	3859		
<i>Nitzschia pacifica</i>								
<i>Nitzschia palea</i>								
<i>Nitzschia paleacea</i>								
<i>Nitzschia reversa</i>								
<i>Nitzschia seriata</i>					1.4	4604		
<i>Nitzschia vitrea</i>								
<i>Paralia sulcata</i>	4	286	0.8	295	13	4725		
<i>Pleurosigma aestuarii</i>								
<i>Pleurosigma angulatum</i>								
<i>Pleurosigma elongatum</i>								
<i>Pleurosigma normanii</i>	1.2	101439	0.8	9684	0.2	3557		
<i>Rhizosolenia delicatula</i>			0.6	1644				
<i>Rhizosolenia fragilissima</i>					0.2	2368		
<i>Rhizosolenia setigera</i>			0.2	630				
<i>Rhizosolenia stouterfothii</i>								
<i>Skeletonema costatum</i>			6	1685	1.2	91	16	3685
<i>Streptothecca tamesis</i>	1.2	120376						
<i>Thalassionema nitzschioides</i>								
<i>Thalassiosira rotula</i>					0.4	3848	188	3478871
<i>Thalassiosira sp.</i>							219	3341847

STATION	18	18	18 (36m)	18 (36m)	18	18	24	24
DATE	10/05/93	10/05/93	10/05/93	10/05/93	12/07/93	12/07/93	03/18/93	03/18/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Thalassiothrix frauenfeldii</i>			0.4	314	0.8	1816		
CHLOROPHYCEAE								
<i>Chlamydomonas</i> sp. 1								
<i>Chlorella marina</i>	313	4418						
<i>Chlorella salina</i>								
<i>Chlorella</i> sp.								
<i>Monoraphidium contortum</i>								
<i>Monoraphidium convolutum</i>								
<i>Monoraphidium</i> sp.	0.2	85			0.4	59		
<i>Nannochloris atomus</i>			375	1575			1753	7362
<i>Planctonema</i> sp.								
CHRYSOPHYCEAE								
<i>Distephanus speculum</i>	2	6702			0.6	2615		
CRYPTOPHYCEAE								
<i>Chroomonas acuta</i>	313	35594	188	21356			2500	75250
<i>Chroomonas amphioxeia</i>	2	603	2	603			1063	500712
<i>Chroomonas salina</i>	500	52000	1188	123500	813	84500	1972	205026
CYANOPHYCEAE								
<i>Dactylococcopsis fascicularis</i>								
DINOPHYCEAE								
<i>Ceratium minutum</i>	14	945972	6	417341				
<i>Dinophysis fortii</i>	0.4	15006						
<i>Dinophysis</i> sp.								
<i>Gonyaulax catenella</i>	0.8	4322						
<i>Gonyaulax</i> sp.								
<i>Gonyaulax tamarensis</i>	2	7707	0.4	1482	0.6	503		
<i>Gonyaulax triacantha</i>								
<i>Gymnodinium</i> sp.	2	58082						
<i>Gymnodinium splendens</i>	4	275657	2	168457	1.2	91886		
<i>Gyrodinium spirale</i>			2	25846	0.4	6462		
<i>Heterocapsa triquetra</i>	2	4254	0.2	355	0.2	355	31	55481
<i>Katodinium rotundatum</i>			0.2	56				
<i>Noctiluca</i> sp.			3	445129	0.4	52368		
<i>Oxytoxum milneri</i>	3	13960	2	11966				
<i>Peridinium</i> sp.					0.2	2288		
<i>Prorocentrum aporum</i>								
<i>Prorocentrum gracile</i>								
<i>Prorocentrum micans</i>	8	15361	2	4042	6	12127		
<i>Prorocentrum minimum</i>	0.8	1311						
<i>Protoperidinium brevipes</i>	0.4	1391						
<i>Protoperidinium deficiens</i>								
<i>Protoperidinium depressum</i>	0.4	19007						
<i>Protoperidinium</i> sp.			0.2	107845	0.2	7248		
EUGLENOPHYCEAE								
<i>Euglena</i> sp.								
<i>Eutreptia lanowii</i>	1.2	712					31	18572

STATION	18	18	18 (36m)	18 (36m)	18	18	24	24
DATE	10/05/93	10/05/93	10/05/93	10/05/93	12/07/93	12/07/93	03/18/93	03/18/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
PRASINOPHYCEAE								
<i>Pyramimonas grossii</i>	0.4	9			0.2	25		
<i>Pyramimonas micron</i>	563	11588					188	2656
<i>Pyramimonas sp. 1</i>							94	7737
<i>Tetraselmis gracilis</i>								
HOLOTRICH CILIATE								
<i>Mesodinium rubrum</i>								
TOTAL:	1747	1855438	1799	1869474	1111	760071	8367	18348856

STATION	24	24	24	24	24	24	27	27
DATE	4/30/93	4/30/93	6/15/93	6/15/93	10/07/93	10/07/93	02/24/93	02/24/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
BACILLARIOPHYCEAE								
<i>Asterionella glacialis</i>								
<i>Biddulphia aurita</i>								
<i>Biddulphia mobilienis</i>			0.4	43211				
<i>Biddulphia pulchella</i>					0.6	7374		
<i>Chaetoceros debile</i>								
<i>Chaetoceros didymus</i>								
<i>Chaetoceros gracilis</i>	938	55370	750	31228				
<i>Chaetoceros socialis</i>			12	945				
<i>Chaetoceros wighami</i>								
<i>Coccinodiscus concinnus</i>								
<i>Coccinodiscus excentricus</i>	0.6	5772			0.6	8171		
<i>Coccinodiscus lineatus</i>	1.0	187334	1.2	102808	1.0	186502		
<i>Coccinodiscus marginatus</i>								
<i>C. oculus-iridis</i>							31	9887773
<i>Coccinodiscus radiatus</i>							157	73982
<i>Cyclotella caspia</i>					125	12272		
<i>Cyclotella meneghiniana</i>							94	4725
<i>Cyclotella sp.</i>								
<i>Cyclotella stelligera</i>								
<i>Cyclotella striata</i>								
<i>Cylindrotheca closterium</i>								
<i>Ditylum brightwellii</i>	0.2	66015						
<i>Eucampia zodiacus</i>								
<i>Gyrosigma acuminatum</i>								
<i>Gyrosigma fasciola</i>	0.2	2586						
<i>Leptocylindrus minimus</i>								
<i>Lithodesmium undulatum</i>								
<i>Melosira lirata</i>			176	132999				
<i>Melosira nummuloides</i>								
<i>Navicula peregrina</i>								
<i>Nitzschia kuetzingiana</i>								
<i>Nitzschia longissima</i>			2	7718	0.6	1930		
<i>Nitzschia pacifica</i>								
<i>Nitzschia palea</i>								
<i>Nitzschia paleacea</i>								
<i>Nitzschia reversa</i>								
<i>Nitzschia seriata</i>								
<i>Nitzschia vitrea</i>							4	9013
<i>Paralia sulcata</i>	1.4	1000			4	1476	94	47827
<i>Pleurosigma aestuarii</i>								
<i>Pleurosigma angulatum</i>								
<i>Pleurosigma elongatum</i>								
<i>Pleurosigma normanii</i>	0.2	2412						
<i>Rhizosolenia delicatula</i>								
<i>Rhizosolenia fragilissima</i>								
<i>Rhizosolenia setigera</i>							63	1139938
<i>Rhizosolenia stouterfothii</i>								
<i>Skeletonema costatum</i>			165	12456				
<i>Streptotheca tamesis</i>								
<i>Thalassionema nitzschioides</i>								
<i>Thalassiosira rotula</i>								
<i>Thalassiosira sp.</i>								

STATION	24	24	24	24	24	24	27	27
DATE	4/30/93	4/30/93	6/15/93	6/15/93	10/07/93	10/07/93	02/24/93	02/24/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume

Thalassiothrix frauenfeldii

CHLOROPHYCEAE

<i>Chlamydomonas</i> sp. 1	375	1575						
<i>Chlorella marina</i>					125	4189		
<i>Chlorella salina</i>								
<i>Chlorella</i> sp.			250	1050				
<i>Monoraphidium contortum</i>								
<i>Monoraphidium convolutum</i>								
<i>Monoraphidium</i> sp.								
<i>Nannochloris atomus</i>	5000	14438			1250	5250		
<i>Planctonema</i> sp.			10	418				

CHRYSOPHYCEAE

Distephanus speculum

CRYPTOPHYCEAE

<i>Chroomonas acuta</i>	375	11288	5688	647806	625	78022	1596	48359
<i>Chroomonas amphioxeia</i>	688	259256	1250	471375	32	12143		
<i>Chroomonas salina</i>	4250	442000	6813	708500	2250	234000	657	68328

CYANOPHYCEAE

Dactylococcopsis fascicularis

DINOPHYCEAE

<i>Ceratium minutum</i>					1.2	83468		
<i>Dinophysis fortii</i>								
<i>Dinophysis</i> sp.			2	15873				
<i>Gonyaulax catenella</i>	47	361112	52	223231				
<i>Gonyaulax</i> sp.	8	68869						
<i>Gonyaulax tamarensis</i>								
<i>Gonyaulax triacantha</i>	10	235834	5	15433	0.4	293		
<i>Gymnodinium</i> sp.								
<i>Gymnodinium splendens</i>	7	551315	3	515677	0.8	61257		
<i>Gyrodinium spirale</i>	4	543224	4	543224				
<i>Heterocapsa triquetra</i>	9	15599	18	32616	125	221575		
<i>Katodinium rotundatum</i>	1.0	49	938	263226	0.2	56		
<i>Noctiluca</i> sp.					1.2	16705		
<i>Oxytoxum milneri</i>	6	24551	6	15199	1.2	5983		
<i>Peridinium</i> sp.								
<i>Prorocentrum aporum</i>								
<i>Prorocentrum gracile</i>			38	193719				
<i>Prorocentrum micans</i>					1.0	2021		
<i>Prorocentrum minimum</i>	0.3	867	4	2257				
<i>Proto-peridinium brevipes</i>								
<i>Proto-peridinium deficiens</i>	0.3	31495						
<i>Proto-peridinium depressum</i>			0.4	172004				
<i>Proto-peridinium</i> sp.								

EUGLENOPHYCEAE

<i>Euglena</i> sp.								
<i>Eutreptia lanowii</i>	13	21266	2	1187				

STATION	24	24	24	24	24	24	27	27
DATE	4/30/93	4/30/93	6/15/93	6/15/93	10/07/93	10/07/93	02/24/93	02/24/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
PRASINOPHYCEAE								
<i>Pyramimonas grossii</i>	13	21315	32	114937				
<i>Pyramimonas micron</i>	1063	25124	1063	48065	250	8377		
<i>Pyramimonas</i> sp. 1								
<i>Tetraselmis gracilis</i>								
HOLOTRICH CILIATE								
<i>Mesodinium rubrum</i>	5	53069	14	192261	3	20596		
TOTAL:	12816	3002733	17296	4509423	4798	971659	2696	11279945

STATION	27	27	27	27	27	27	27	27
DATE	03/18/93	03/18/93	03/25/93	03/25/93	03/30/93	03/30/93	04/15/93	04/15/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume

BACILLARIOPHYCEAE

<i>Asterionella glacialis</i>								
<i>Biddulphia aurita</i>								
<i>Biddulphia mobiliensis</i>	0.2	13129						
<i>Biddulphia pulchella</i>								
<i>Chaetoceros debile</i>								
<i>Chaetoceros didymus</i>			2	252	2	252		
<i>Chaetoceros gracilis</i>			63	3972			125	3859
<i>Chaetoceros socialis</i>	188	15281			8	652	0.4	33
<i>Chaetoceros wighami</i>			688	264578				
<i>Coscinodiscus concinnus</i>					105	1995178	0.8	15230
<i>Coscinodiscus excentricus</i>	7	557659	13	1115318	10	878736	73	6151148
<i>Coscinodiscus lineatus</i>			375	2099573			70	584521
<i>Coscinodiscus marginatus</i>								
<i>C. oculus-iridis</i>								
<i>Coscinodiscus radiatus</i>								
<i>Cyclotella caspia</i>								
<i>Cyclotella meneghiniana</i>					125	6284		
<i>Cyclotella sp.</i>								
<i>Cyclotella stelligera</i>			63	22292				
<i>Cyclotella striata</i>					250	117808		
<i>Cylindrotheca closterium</i>	0.2	23	0.4	45	0.8	179		
<i>Ditylum brightwellii</i>	27	8978048	59	26840004	36	11882711	1.2	396090
<i>Eucampia zodiacus</i>			2	40313				
<i>Gyrosigma acuminatum</i>	0.2	7600						
<i>Gyrosigma fasciola</i>								
<i>Leptocylindrus minimus</i>								
<i>Lithodesmium undulatum</i>					0.4	484534		
<i>Melosira lirata</i>								
<i>Melosira nummuloides</i>								
<i>Navicula peregrina</i>								
<i>Nitzschia kuetzingiana</i>								
<i>Nitzschia longissima</i>								
<i>Nitzschia pacifica</i>	1.0	560						
<i>Nitzschia palea</i>								
<i>Nitzschia paleacea</i>					2	346		
<i>Nitzschia reversa</i>								
<i>Nitzschia seriata</i>					2	701		
<i>Nitzschia vitrea</i>								
<i>Paralia sulcata</i>	8	5716	8	5716	24	17148		
<i>Pleurosigma aestuarii</i>	3	60476	4	78263				
<i>Pleurosigma angulatum</i>					8	111149		
<i>Pleurosigma elongatum</i>								
<i>Pleurosigma normanii</i>			2	140000				
<i>Rhizosolenia delicatula</i>	0.4	2772						
<i>Rhizosolenia fragilissima</i>								
<i>Rhizosolenia setigera</i>	0.2	580						
<i>Rhizosolenia stotterfothii</i>								
<i>Skeletonema costatum</i>	125	17349	2	567	188	1399		
<i>Streptotheca tamesis</i>								
<i>Thalassionema nitzschioides</i>					0.4	51		
<i>Thalassiosira rotula</i>	1313	12627431	125	1218750	816	7956000	4	38484
<i>Thalassiosira sp.</i>								

STATION	27	27	27	27	27	27	27	27
DATE	03/18/93	03/18/93	03/25/93	03/25/93	03/30/93	03/30/93	04/15/93	04/15/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Thalassiothrix frauenfeldii</i>								
CHLOROPHYCEAE								
<i>Chlamydomonas</i> sp. 1					125	5250		
<i>Chlorella marina</i>	563	18849	563	30600	1000	54360	63	3400
<i>Chlorella salina</i>								
<i>Chlorella</i> sp.								
<i>Monoraphidium contortum</i>	63	3925						
<i>Monoraphidium convolutum</i>								
<i>Monoraphidium</i> sp.								
<i>Nannochloris atomus</i>	10688	44888	688	2888	7625	32025	11938	50138
<i>Planctonema</i> sp.								
CHRYSOPHYCEAE								
<i>Distephanus speculum</i>								
CRYPTOPHYCEAE								
<i>Chroomonas acuta</i>	1938	58319	3313	99706	1250	37625	1375	41388
<i>Chroomonas amphioxeia</i>	188	70706	313	117844	625	235688	125	47138
<i>Chroomonas salina</i>	1875	195000	3438	357500	1125	117000	2313	240500
CYANOPHYCEAE								
<i>Dactylococcopsis fascicularis</i>								
					63	1399		
DINOPHYCEAE								
<i>Ceratium minutum</i>								
<i>Dinophysis fortii</i>								
<i>Dinophysis</i> sp.								
<i>Gonyaulax catenella</i>								
<i>Gonyaulax</i> sp.								
<i>Gonyaulax tamarensis</i>			3	1778			6	4065
<i>Gonyaulax triacantha</i>								
<i>Gymnodinium</i> sp.								
<i>Gymnodinium splendens</i>							0.4	73668
<i>Gyrodinium spirale</i>	1.4	172844						
<i>Heterocapsa triquetra</i>	0.4	709	6	9927			8	14890
<i>Katodinium rotundatum</i>					250	21225	8	679
<i>Noctiluca</i> sp.								
<i>Oxytoxum milneri</i>					0.8	7233	2	18092
<i>Pendinium</i> sp.								
<i>Procentrum aporum</i>			13	11581				
<i>Procentrum gracile</i>								
<i>Procentrum micans</i>								
<i>Procentrum minimum</i>							43	7570
<i>Protoperdinium brevipes</i>	0.6	7874						
<i>Protoperdinium deficiens</i>								
<i>Protoperdinium depressum</i>								
<i>Protoperdinium</i> sp.			500	59863030				
EUGLENOPHYCEAE								
<i>Euglena</i> sp.								
<i>Eutreptia lanowii</i>			0.8	475	0.8	475	2	949

STATION	27	27	27	27	27	27	27	27
DATE	03/18/93	03/18/93	03/25/93	03/25/93	03/30/93	03/30/93	04/15/93	04/15/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
PRASINOPHYCEAE								
<i>Pyramimonas grossii</i>	63	7068					3	446
<i>Pyramimonas micron</i>	313	8906	1938	159728	375	10688	500	14250
<i>Pyramimonas</i> sp. 1								
<i>Tetraselmis gracilis</i>					500	82250		
HOLOTRICH CILIATE								
<i>Mesodinium rubrum</i>	2	17690	0.8	8845	6	70759	0.8	8845
TOTAL:	17364	22893403	12178	9.25E+07	14522	24129101	16660	7715381

STATION	27	27	27	27	27	27	27	27	27
DATE	4/30/93	4/30/93	6/15/93	6/15/93	08/10/93	08/10/93	10/05/93	10/05/93	10/05/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume	Volume
BACILLARIOPHYCEAE									
<i>Asterionella glacialis</i>									
<i>Biddulphia aurita</i>									
<i>Biddulphia mobiliensis</i>									
<i>Biddulphia pulchella</i>									
<i>Chaetoceros debile</i>									
<i>Chaetoceros didymus</i>									
<i>Chaetoceros gracilis</i>	31	393							
<i>Chaetoceros socialis</i>					125	10188			
<i>Chaetoceros wighami</i>									
<i>Coccinodiscus concinnus</i>									
<i>Coccinodiscus excentricus</i>			1.2	224800			0.6	106152	
<i>Coccinodiscus lineatus</i>	2	449600			0.4	74933	1.0	25384	
<i>Coccinodiscus marginatus</i>									
<i>C. oculus-iridis</i>									
<i>Coccinodiscus radiatus</i>									
<i>Cyclotella caspia</i>									
<i>Cyclotella meneghiniana</i>					31	6023	250	35342	
<i>Cyclotella sp.</i>									
<i>Cyclotella stelligera</i>									
<i>Cyclotella striata</i>									
<i>Cylindrotheca closterium</i>							0.2	115	
<i>Ditylum brightwellii</i>									
<i>Eucampia zodiacus</i>									
<i>Gyrosigma acuminatum</i>									
<i>Gyrosigma fasciola</i>	0.2	2586							
<i>Leptocylindrus minimus</i>									
<i>Lithodesmium undulatum</i>					0.2	5905			
<i>Melosira lirata</i>									
<i>Melosira nummuloides</i>	2	14257							
<i>Navicula peregrina</i>									
<i>Nitzschia kuetzingiana</i>									
<i>Nitzschia longissima</i>					125	2025			
<i>Nitzschia pacifica</i>									
<i>Nitzschia palea</i>									
<i>Nitzschia paleacea</i>									
<i>Nitzschia reversa</i>							0.2	143	
<i>Nitzschia seriata</i>									
<i>Nitzschia vitrea</i>									
<i>Paralia sulcata</i>					2	1715	11	8002	
<i>Pleurosigma aestuarii</i>									
<i>Pleurosigma angulatum</i>									
<i>Pleurosigma elongatum</i>			0.2	1013					
<i>Pleurosigma normanii</i>									
<i>Rhizosolenia delicatula</i>					0.2	1386	0.2	548	
<i>Rhizosolenia fragilissima</i>									
<i>Rhizosolenia setigera</i>									
<i>Rhizosolenia stouterfothii</i>									
<i>Skeletonema costatum</i>					125	9425	125	9873	
<i>Streptotheca tamesis</i>							0.6	60187	
<i>Thalassionema nitzschioides</i>									
<i>Thalassiosira rotula</i>			1.4	13469	2	19242			
<i>Thalassiosira sp.</i>									

STATION	27	27	27	27	27	27	27	27
DATE	4/30/93	4/30/93	6/15/93	6/15/93	08/10/93	08/10/93	10/05/93	10/05/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Thalassiothrix frauenfeldii</i>								
CHLOROPHYCEAE								
<i>Chlamydomonas</i> sp. 1								
<i>Chlorella marina</i>								
<i>Chlorella salina</i>	125	525					125	8181
<i>Chlorella</i> sp.								
<i>Monoraphidium contortum</i>								
<i>Monoraphidium convolutum</i>								
<i>Monoraphidium</i> sp.								
<i>Nannochloris atomus</i>	1938	8096	1688	3038	750	3150	313	1313
<i>Planctonema</i> sp.								
CHRYSOPHYCEAE								
<i>Distephanus speculum</i>								
CRYPTOPHYCEAE								
<i>Chroomonas acuta</i>	3313	99706	3625	565500	1188	135256	625	71188
<i>Chroomonas amphioxeia</i>	313	117844	63	23569	250	94275	5	1735
<i>Chroomonas salina</i>	5813	604500	3625	377000	5813	604500	2500	260000
CYANOPHYCEAE								
<i>Dactylococcopsis fascicularis</i>								
DINOPHYCEAE								
<i>Ceratium minutum</i>								
<i>Dinophysis fortii</i>								
<i>Dinophysis</i> sp.								
<i>Gonyaulax catenella</i>	3	26876			1.2	10078		
<i>Gonyaulax</i> sp.							0.2	2625
<i>Gonyaulax tamarensis</i>							0.4	1117
<i>Gonyaulax triacantha</i>								
<i>Gymnodinium</i> sp.								
<i>Gymnodinium splendens</i>	1.0	184170						
<i>Gyrodinium spirale</i>	2	271612						
<i>Heterocapsa triquetra</i>	3	5672					0.6	1064
<i>Katodinium rotundatum</i>	125	6075	16	4381				
<i>Noctiluca</i> sp.								
<i>Oxytoxum milneri</i>	0.6	1401					2	97333
<i>Peridinium</i> sp.								
<i>Prorocentrum aporum</i>								
<i>Prorocentrum gracile</i>								
<i>Prorocentrum micans</i>								
<i>Prorocentrum minimum</i>	0.8	501						
<i>Protoperdinium brevipes</i>								
<i>Protoperdinium deficiens</i>	3	2068						
<i>Protoperdinium depressum</i>	0.4	172004						
<i>Protoperdinium</i> sp.								
EUGLENOPHYCEAE								
<i>Euglena</i> sp.								
<i>Eutreptia lanowii</i>	0.4	237						

STATION	27	27	27	27	27	27	27	27	27
DATE	4/30/93	4/30/93	6/15/93	6/15/93	08/10/93	08/10/93	10/05/93	10/05/93	10/05/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume	Density
PRASINOPHYCEAE									
<i>Pyramimonas grossii</i>	0.4	654							
<i>Pyramimonas micron</i>	1313	43969					63	7068	
<i>Pyramimonas sp. 1</i>									
<i>Tetraelmis gracilis</i>									
HOLOTRICH CILIATE									
<i>Mesodinium rubrum</i>	24	193297					0.8	11309	
TOTAL:	13013	2206045	9018	1212769	8413	978101	4023	708678	

STATION	27	27	27	27
DATE	10/05/93	10/05/93	12/08/93	12/08/93
DENSITY/VOLUME	Density	Volume	Density	Volume

BACILLARIOPHYCEAE

<i>Asterionella glacialis</i>				
<i>Biddulphia aurita</i>				
<i>Biddulphia mobiliensis</i>				
<i>Biddulphia pulchella</i>			2	4720
<i>Chaetoceros debile</i>				
<i>Chaetoceros didymus</i>				
<i>Chaetoceros gracilis</i>				
<i>Chaetoceros socialis</i>				
<i>Chaetoceros wighami</i>				
<i>Coccinodiscus concinnus</i>				
<i>Coccinodiscus excentricus</i>			0.2	4790
<i>Coccinodiscus lineatus</i>			0.8	80624
<i>Coccinodiscus marginatus</i>	0.8	4562	0.4	1885
<i>C. oculus-iridis</i>	0.8	101785		
<i>Coccinodiscus radiatus</i>				
<i>Cyclotella caspia</i>				
<i>Cyclotella meneghiniana</i>	63	8836	0.4	251
<i>Cyclotella sp.</i>			625	70684
<i>Cyclotella stelligera</i>				
<i>Cyclotella striata</i>				
<i>Cylindrotheca closterium</i>				
<i>Ditylum brightwellii</i>			0.2	53372
<i>Eucampia zodiacus</i>				
<i>Gyrosigma acuminatum</i>				
<i>Gyrosigma fasciola</i>				
<i>Leptocylindrus minimus</i>	0.8	268		
<i>Lithodesmium undulatum</i>				
<i>Melosira lirata</i>				
<i>Melosira nummuloides</i>				
<i>Navicula peregrina</i>				
<i>Nitzschia kuetzingiana</i>				
<i>Nitzschia longissima</i>			1.0	3216
<i>Nitzschia pacifica</i>				
<i>Nitzschia palea</i>				
<i>Nitzschia paleacea</i>				
<i>Nitzschia reversa</i>				
<i>Nitzschia seriata</i>				
<i>Nitzschia vitrea</i>				
<i>Paralia sulcata</i>	3	1858	62	22886
<i>Pleurosigma aestuarii</i>			0.2	1760
<i>Pleurosigma angulatum</i>				
<i>Pleurosigma elongatum</i>				
<i>Pleurosigma normanii</i>				
<i>Rhizosolenia delicatula</i>			0.2	548
<i>Rhizosolenia fragilissima</i>				
<i>Rhizosolenia setigera</i>				
<i>Rhizosolenia stolterfothii</i>				
<i>Skeletonema costatum</i>			2	151
<i>Streptotheca tamesis</i>	0.2	20062		
<i>Thalassionema nitzschioides</i>				
<i>Thalassiosira rotula</i>				
<i>Thalassiosira sp.</i>				

STATION	27	27	27	27
DATE	10/05/93	10/05/93	12/08/93	12/08/93
DENSITY/VOLUME	Density	Volume	Density	Volume

Thalassiothrix frauenfeldii

CHLOROPHYCEAE

Chlamydomonas sp. 1

Chlorella marina 125 4188

Chlorella salina 63 4091

Chlorella sp.

Monoraphidium contortum

Monoraphidium convolutum

Monoraphidium sp.

Nannochloris atomus 250 1050 125 525

Planctonema sp.

CHRYSOPHYCEAE

Distephanus speculum

CRYPTOPHYCEAE

Chroomonas acuta 125 14238 63 17550

Chroomonas amphioxeia 0.8 302 375 141413

Chroomonas salina 1125 117000 2938 305500

CYANOPHYCEAE

Dactylococcopsis fascicularis

DINOPHYCEAE

Ceratium minutum

Dinophysis fortii

Dinophysis sp.

Gonyaulax catenella

Gonyaulax sp.

Gonyaulax tamarensis

Gonyaulax triacantha

Gymnodinium sp.

Gymnodinium splendens 0.2 15314

Gyrodinium spirale

Heterocapsa triquetra

Katodinium rotundatum 0.2 10

Noctiluca sp. 5 602234 0.4 52368

Oxytoxum milneri

Peridinium sp.

Prorocentrum aporum

Prorocentrum gracile

Prorocentrum micans 0.2 404

Prorocentrum minimum

Protoperidinium brevipes

Protoperidinium deficiens

Protoperidinium depressum

Protoperidinium sp.

EUGLENOPHYCEAE

Euglena sp.

Eutreptia lanowii

STATION	27	27	27	27
DATE	10/05/93	10/05/93	12/08/93	12/08/93
DENSITY/VOLUME	Density	Volume	Density	Volume
PRASINOPHYCEAE				
<i>Pyramimonas grossii</i>				
<i>Pyramimonas micron</i>			63	2094
<i>Pyramimonas</i> sp. 1				
<i>Tetraselmis gracilis</i>				
HOLOTRICH CILIATE				
<i>Mesodinium rubrum</i>	3	30957	0.8	6337
TOTAL:	1763	911428	4259	786400

STATION	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
DATE	03/18/93	03/18/93	03/30/93	03/30/93	4/22/93	4/22/93	4/30/93	4/30/93	4/30/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume	Volume
BACILLARIOPHYCEAE									
<i>Achnanthes clevei</i>									
<i>Asterionella glacialis</i>									
<i>Biddulphia alternans</i>	0.8	113395							
<i>Biddulphia mobiliensis</i>			0.8	153065					
<i>Chaetoceros didymus</i>									
<i>Chaetoceros gracilis</i>			125	12271	250	9425			
<i>Chaetoceros socialis</i>	12	978	875	71313					
<i>Coccinodiscus curvatus</i>					49	1157399			
<i>Coccinodiscus excentricus</i>					0.2	1223			
<i>Coccinodiscus lineatus</i>	4	899176	66	8712654	5	504987	2	15079	
<i>Coccinodiscus marginatus</i>					0.2	6137			
<i>Coccinodiscus nitidus</i>									
<i>Coccinodiscus oculus-iridis</i>									
<i>Coccinodiscus radiatus</i>									
<i>Cyclotella caspia</i>									
<i>Cyclotella kuetzingiana</i>									
<i>Cyclotella meneghiniana</i>	250	12568	375	386304	16	3602	63	10607	
<i>Cyclotella stelligera</i>									
<i>Cyclotella striata</i>									
<i>Cylindrotheca closterium</i>	0.8	179							
<i>Ditylum brightwellii</i>	14	4489024	92	30366928	0.8	264060			
<i>Entomoneis paludosa</i>			0.8	20160					
<i>Eucampia zodiacus</i>									
<i>Fragilaria pinnata</i>					0.2	1179			
<i>Gyrosigma balticum</i>									
<i>Gyrosigma fasciola</i>	0.8	30000			0.4	5171			
<i>Leptocylindrus danicus</i>									
<i>Lithodesmium undulatum</i>									
<i>Navicula halophila</i>			0.8	406					
<i>Nitzschia acicularis</i>									
<i>Nitzschia clausii</i>					0.2	1179			
<i>Nitzschia frustulum</i>									
<i>Nitzschia gracilis</i>									
<i>Nitzschia kuetzingiana</i>					0.2	8			
<i>Nitzschia longissima</i>					0.2	643	0.6	1930	
<i>Nitzschia paleacea</i>	375	164213							
<i>Nitzschia reversa</i>									
<i>Nitzschia seriata</i>			250	109480					
<i>Nitzschia tryblionella</i>									
<i>Nitzschia vitrea</i>	125	204000							
<i>Paralia sulcata</i>	10	7431	34	24579	2	1143			
<i>Pinnularia gibba</i>					0.2	187			
<i>Pleurosigma aestuarii</i>	6	113837	6	99607	3	57068			
<i>Pleurosigma elongatum</i>					0.2	1062			
<i>Rhizosolenia delicatula</i>									
<i>Rhizosolenia fragilissima</i>									
<i>Rhizosolenia setigera</i>	2	8168							
<i>Skeletonema costatum</i>	3	756							
<i>Stephanodiscus dubius</i>									
<i>Stephanodiscus hantzschii</i>									
<i>Synedra delicatissima</i>									
<i>Thalassiosira rotula</i>	1146	5173360	2064	25944625	24	434809			

STATION	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
DATE	03/18/93	03/18/93	03/30/93	03/30/93	4/22/93	4/22/93	4/30/93	4/30/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Tropidoneis</i> sp.								
CHLOROPHYCEAE								
<i>Chlorella marina</i>			500	32725				
<i>Chlorella salina</i>			125	1768				
<i>Monoraphidium contortum</i>								
<i>Monoraphidium convolutum</i>								
<i>Nannochloris atomus</i>	5000	21000	11250	47250	1125	4725	2750	10500
<i>Pediastrum duplex</i>							5	697
CHRYSOPHYCEAE								
<i>Monas</i> sp.								
<i>Ochromonas</i> sp.	500	2095						
CRYPTOPHYCEAE								
<i>Chroomonas acuta</i>	875	26338	250	7525	1063	121019	750	80425
<i>Chroomonas amphioxeia</i>	250	94275			375	141413		
<i>Chroomonas salina</i>	750	78000	1500	156000	1375	143000	1250	130000
CYANOPHYCEAE								
<i>Dactylococcopsis acicularis</i>								
<i>Oscillatoria limnetica</i>								
DINOPHYCEAE								
<i>Glenodinium</i> sp.								
<i>Gonyaulax catenella</i>					0.8	6719	2	70652
<i>Gonyaulax tamarensis</i>								
<i>Gymnodinium</i> sp.								
<i>Gymnodinium splendens</i>							2	294673
<i>Gyrodinium spirale</i>					0.2	24692	1.4	22615
<i>Heterocapsa triquetra</i>	0.8	1418			0.6	1064	0.4	709
<i>Katodinium rotundatum</i>					31	1521	0.2	204
<i>Oxytoxum milneri</i>								
<i>Prorocentrum aporum</i>								
<i>Prorocentrum minimum</i>			5	4343	0.6	684	1.4	878
<i>Protoperidinium deficiens</i>							1.0	6719
<i>Protoperidinium depressum</i>					0.2	86002		
<i>Pyrocystis</i> sp.								
EUGLENOPHYCEAE								
<i>Eutreptia lanowii</i>					0.6	356	0.4	257
PRASINOPHYCEAE								
<i>Pedinomonas</i> sp.							313	3221
<i>Pyramimonas grossii</i>							0.2	327
<i>Pyramimonas micron</i>	63	1288	375	7725	375	5301	125	5655
<i>Pyramimonas</i> sp. 1								
<i>Tetraselmis gracilis</i>								
HOLOTRICH CILIATE								
<i>Mesodinium rubrum</i>	0.8	8845	2	26535	13	183778	0.6	4680
TOTAL:	9390	11450341	17897	66185261	4710	3169558	5267	659826

STATION	29.5	29.5	30	30	32	32	32	32
DATE	6/15/93	6/15/93	03/25/93	03/25/93	02/24/93	02/24/93	03/18/93	03/18/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
BACILLARIOPHYCEAE								
<i>Achnanthes clevei</i>								
<i>Asterionella glacialis</i>							0.8	144
<i>Biddulphia alternans</i>								
<i>Biddulphia mobiliensis</i>								
<i>Chaetoceros didymus</i>								
<i>Chaetoceros gracilis</i>								
<i>Chaetoceros socialis</i>							2	196
<i>Coccinodiscus curvatulus</i>							7	280315
<i>Coccinodiscus excentricus</i>								
<i>Coccinodiscus lineatus</i>	0.4	74933	1375	607990				
<i>Coccinodiscus marginatus</i>								
<i>Coccinodiscus nitidus</i>								
<i>Coccinodiscus oculus-iridis</i>								
<i>Coccinodiscus radiatus</i>								
<i>Cyclotella caspia</i>								
<i>Cyclotella kuetzingiana</i>					125	1018		
<i>Cyclotella meneghiniana</i>	63	49086	125	24053	563	48837	188	6281
<i>Cyclotella stelligera</i>								
<i>Cyclotella striata</i>								
<i>Cylindrotheca closterium</i>							0.8	179
<i>Ditylum brightwellii</i>			63	10130496			21	6865566
<i>Entomoneis paludosa</i>								
<i>Eucampia zodiacus</i>								
<i>Fragilaria pinnata</i>								
<i>Gyrosigma balticum</i>								
<i>Gyrosigma fasciola</i>							0.4	26250
<i>Leptocylindrus danicus</i>			188	13885				
<i>Lithodesmium undulatum</i>								
<i>Navicula halophila</i>								
<i>Nitzschia acicularis</i>								
<i>Nitzschia clausii</i>								
<i>Nitzschia frustulum</i>								
<i>Nitzschia gracilis</i>								
<i>Nitzschia kuetzingiana</i>					63	11475		
<i>Nitzschia longissima</i>								
<i>Nitzschia paleacea</i>					63	25578		
<i>Nitzschia reversa</i>								
<i>Nitzschia seriata</i>								
<i>Nitzschia tryblionella</i>								
<i>Nitzschia vitrea</i>								
<i>Paralia sulcata</i>			63	78492	16	7937	11	8002
<i>Pinnularia gibba</i>								
<i>Pleurosigma aestuarii</i>							0.4	7115
<i>Pleurosigma elongatum</i>								
<i>Rhizosolenia delicatula</i>								
<i>Rhizosolenia fragilissima</i>								
<i>Rhizosolenia setigera</i>					8	145912	0.4	503
<i>Skeletonema costatum</i>			94	19410			4	1039
<i>Stephanodiscus dubius</i>								
<i>Stephanodiscus hantzschii</i>								
<i>Synedra delicatissima</i>								
<i>Thalassiosira rotula</i>	2	19242	625	8660481			935	8997419

STATION	29.5	29.5	30	30	32	32	32	32
DATE	6/15/93	6/15/93	03/25/93	03/25/93	02/24/93	02/24/93	03/18/93	03/18/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Tropidoneis</i> sp.					63	110075		
CHLOROPHYCEAE								
<i>Chlorella marina</i>			4563	152889				
<i>Chlorella salina</i>								
<i>Monoraphidium contortum</i>								
<i>Monoraphidium convolutum</i>								
<i>Nannochloris atomus</i>	250	1050	5875	24675	250	3525	5438	22838
<i>Pediastrum duplex</i>								
CHRYSOPHYCEAE								
<i>Monas</i> sp.			938	54814				
<i>Ochromonas</i> sp.								
CRYPTOPHYCEAE								
<i>Chroomonas acuta</i>	2875	327463	1375	41388	875	26513	2500	75250
<i>Chroomonas amphioxeia</i>	375	141413					313	117844
<i>Chroomonas salina</i>	3813	396500	2875	131166	375	39000	813	84500
CYANOPHYCEAE								
<i>Dactylococcopsis acicularis</i>							31	717
<i>Oscillatoria limnetica</i>							0.8	2513
DINOPHYCEAE								
<i>Glenodinium</i> sp.							0.4	2688
<i>Gonyaulax catenella</i>								
<i>Gonyaulax tamarensis</i>								
<i>Gymnodinium</i> sp.			31	18683				
<i>Gymnodinium splendens</i>								
<i>Gyrodinium spirale</i>							6	790144
<i>Heterocapsa triquetra</i>							2	4254
<i>Katodinium rotundatum</i>							2	204
<i>Oxytoxum milneri</i>								
<i>Prorocentrum aporum</i>							0.4	189
<i>Prorocentrum minimum</i>								
<i>Protoperidinium deficiens</i>								
<i>Protoperidinium depressum</i>								
<i>Pyrocystis</i> sp.								
EUGLENOPHYCEAE								
<i>Eutreptia lanowii</i>	0.4	237						
PRASINOPHYCEAE								
<i>Pedinomonas</i> sp.								
<i>Pyramimonas grossii</i>								
<i>Pyramimonas micron</i>			63	888			500	9131
<i>Pyramimonas</i> sp. 1			1500	6300				
<i>Tetraselmis gracilis</i>								
HOLOTRICH CILIATE								
<i>Mesodinium rubrum</i>	39	556990					7	79604
TOTAL:	7417	1566913	19750	19965609	2401	419870	10785	17382884

STATION	32	32	32	32	32	32	32	32	32
DATE	03/25/93	03/25/93	03/30/93	03/30/93	04/15/93	04/15/93	4/22/93	4/22/93	4/22/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume	Volume
BACILLARIOPHYCEAE									
<i>Achnanthes clevei</i>									
<i>Asterionella glacialis</i>									
<i>Biddulphia alternans</i>									
<i>Biddulphia mobiliensis</i>									
<i>Chaetoceros didymus</i>	0.4	42							
<i>Chaetoceros gracilis</i>									
<i>Chaetoceros socialis</i>	6	456							
<i>Coecinodiscus curvatulus</i>	26	290970	1000	41222760	62	1705948			
<i>Coccinodiscus excentricus</i>									
<i>Coccinodiscus lineatus</i>	5	8482			7	86258	17	3184670	
<i>Coccinodiscus marginatus</i>									
<i>Coccinodiscus nitidus</i>									
<i>Coccinodiscus oculus-iridis</i>							2	356962	
<i>Coccinodiscus radiatus</i>									
<i>Cyclotella caspia</i>									
<i>Cyclotella kuetzingiana</i>									
<i>Cyclotella meneghiniana</i>					125	6284	1875	214702	
<i>Cyclotella stelligera</i>			375	33221					
<i>Cyclotella striata</i>	375	343669	63	110444	63	10603			
<i>Cylindrotheca closterium</i>	0.8	79			0.8	179			
<i>Ditylum brightwellii</i>	68	22445120	35	11552636	1.4	462705			
<i>Entomoneis paludosa</i>									
<i>Eucampia zodiacus</i>									
<i>Fragilaria pinnata</i>									
<i>Gyrosigma balticum</i>									
<i>Gyrosigma fasciola</i>			0.2	8925	2	92400	1.0	7428	
<i>Leptocylindrus danicus</i>	125	22376							
<i>Lithodesmium undulatum</i>					1.4	79367			
<i>Navicula halophila</i>			125	26988					
<i>Nitzschia acicularis</i>									
<i>Nitzschia clausii</i>									
<i>Nitzschia frustulum</i>									
<i>Nitzschia gracilis</i>									
<i>Nitzschia kuetzingiana</i>									
<i>Nitzschia longissima</i>									
<i>Nitzschia paleacea</i>	63	6345			125	19035			
<i>Nitzschia reversa</i>									
<i>Nitzschia seriata</i>			438	113794					
<i>Nitzschia tryblionella</i>									
<i>Nitzschia vitrea</i>									
<i>Paralia sulcata</i>	9	6288	3	1858	4	2715			
<i>Pinnularia gibba</i>									
<i>Pleurosigma aestuarii</i>									
<i>Pleurosigma elongatum</i>	9	106519							
<i>Rhizosolenia delicatula</i>									
<i>Rhizosolenia fragilissima</i>									
<i>Rhizosolenia setigera</i>									
<i>Skeletonema costatum</i>			2	567	125	29525			
<i>Stephanodiscus dubius</i>									
<i>Stephanodiscus hantzschii</i>									
<i>Synedra delicatissima</i>									
<i>Thalassiosira rotula</i>	1750	4678438	1875	23797463	4	70393	10	96209	

STATION	32	32	32	32	32	32	32	32
DATE	03/25/93	03/25/93	03/30/93	03/30/93	04/15/93	04/15/93	4/22/93	4/22/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume

Tropidoneis sp.

CHLOROPHYCEAE

<i>Chlorella marina</i>			188	12272				
<i>Chlorella salina</i>			2500	163625	3875	210645		
<i>Monoraphidium contortum</i>			63	2750				
<i>Monoraphidium convolutum</i>			125	27918				
<i>Nannochloris atomus</i>	4375	18375	20000	84000	20875	87675	3250	5850
<i>Pediastrum duplex</i>								

CHRYSOPHYCEAE

Monas sp.

Ochromonas sp.

CRYPTOPHYCEAE

<i>Chroomonas acuta</i>	2125	63963	1750	52675	938	28219	125	14238
<i>Chroomonas amphioxeia</i>	500	188550	63	16611			125	47138
<i>Chroomonas salina</i>	750	78000	3125	325000	2875	299000	1375	143000

CYANOPHYCEAE

Dactylococcopsis acicularis

Oscillatoria limnetica

DINOPHYCEAE

Glenodinium sp.

Gonyaulax catenella

Gonyaulax tamarensis

Gymnodinium sp.

Gymnodinium splendens

Gyrodinium spirale

Heterocapsa triquetra

Katodinium rotundatum

Oxytoxum milneri

Prorocentrum aporum

Prorocentrum minimum

Protoperidinium deficiens

Protoperidinium depressum

Pyrocystis sp.

	0.8	29563					21	3558
					125	11113		
					0.6	5424		
			63	56547	9	7781		

EUGLENOPHYCEAE

Eutreptia lanowii

PRASINOPHYCEAE

Pedinomonas sp.

Pyramimonas grossii

Pyramimonas micron

Pyramimonas sp. 1

Tetraselmis gracilis

HOLOTRICH CILIATE

Mesodinium rubrum

					1.0	11057		
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TOTAL:	10812	28308147	32665	77610339	31155	3289681	6800	4073753
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STATION	32	32	32	32	32	32	32	32
DATE	4/30/93	4/30/93	6/15/93	6/15/93	8/10/93	8/10/93	10/05/93	10/05/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume

BACILLARIOPHYCEAE

<i>Achnanthes clevei</i>								
<i>Asterionella glacialis</i>								
<i>Biddulphia alternans</i>								
<i>Biddulphia mobiliensis</i>								
<i>Chaetoceros didymus</i>								
<i>Chaetoceros gracilis</i>								
<i>Chaetoceros socialis</i>								
<i>Coccinodiscus curvatulus</i>	0.2	6803						
<i>Coccinodiscus excentricus</i>					1.0	57008		
<i>Coccinodiscus lineatus</i>	1.4	6663	0.2	38313			8	198924
<i>Coccinodiscus marginatus</i>			1.0	34015				
<i>Coccinodiscus nitidus</i>								
<i>Coccinodiscus oculus-iridis</i>							0.8	101785
<i>Coccinodiscus radiatus</i>					1.4	7996		
<i>Cyclotella caspia</i>								
<i>Cyclotella kuetzingiana</i>								
<i>Cyclotella meneghiniana</i>	125	13012	63	7068	188	50509	21	11655
<i>Cyclotella stelligera</i>								
<i>Cyclotella striata</i>								
<i>Cylindrotheca closterium</i>								
<i>Ditylum brightwellii</i>								
<i>Entomoneis paludosa</i>								
<i>Eucampia zodiacus</i>								
<i>Fragilaria pinnata</i>								
<i>Gyrosigma balticum</i>								
<i>Gyrosigma fasciola</i>	0.6	7757						
<i>Leptocylindrus danicus</i>								
<i>Lithodesmium undulatum</i>								
<i>Navicula halophila</i>								
<i>Nitzschia acicularis</i>								
<i>Nitzschia clausii</i>								
<i>Nitzschia frustulum</i>			125	12859				
<i>Nitzschia gracilis</i>								
<i>Nitzschia kuetzingiana</i>							13	1040
<i>Nitzschia longissima</i>								
<i>Nitzschia paleacea</i>								
<i>Nitzschia reversa</i>			0.2	1077				
<i>Nitzschia seriata</i>								
<i>Nitzschia tryblionella</i>								
<i>Nitzschia vitrea</i>								
<i>Paralia sulcata</i>	3	1858					2	591
<i>Pinnularia gibba</i>								
<i>Pleurosigma aestuarii</i>								
<i>Pleurosigma elongatum</i>								
<i>Rhizosolenia delicatula</i>					0.8	5544	0.4	1096
<i>Rhizosolenia fragilissima</i>			1.2	5355				
<i>Rhizosolenia setigera</i>								
<i>Skeletonema costatum</i>					188	7519		
<i>Stephanodiscus dubius</i>								
<i>Stephanodiscus hantzschii</i>								
<i>Synedra delicatissima</i>								
<i>Thalassiosira rotula</i>			6	43719				

STATION	32	32	32	32	32	32	32	32
DATE	4/30/93	4/30/93	6/15/93	6/15/93	8/10/93	8/10/93	10/05/93	10/05/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume

Tropidoneis sp.

CHLOROPHYCEAE

Chlorella marina

Chlorella salina

Monoraphidium contortum

Monoraphidium convolutum

Nannochloris atomus 1438 6038 938 13025 313 1313 750 3150

Pediastrum duplex

CHRYSOPHYCEAE

Monas sp.

Ochromonas sp.

CRYPTOPHYCEAE

Chroomonas acuta 875 26338 3438 391531 688 78306 188 21356

Chroomonas amphioxeia 375 141413 688 156800 438 164981 188 70706

Chroomonas salina 1125 117000 11063 1150500 3938 409500 4063 422500

CYANOPHYCEAE

Dactylococcopsis acicularis

Oscillatoria limnetica

DINOPHYCEAE

Glenodinium sp.

Gonyaulax catenella

Gonyaulax tamarensis 1.2 2443

Gymnodinium sp.

Gymnodinium splendens

Gyrodinium spirale

Heterocapsa triquetra

Katodinium rotundatum

Oxytoxum milneri

Prorocentrum aporum

Prorocentrum minimum

Protoperidinium deficiens

Protoperidinium depressum

Pyrocystis sp.

EUGLENOPHYCEAE

Eutreptia lanowii

PRASINOPHYCEAE

Pedinomonas sp.

Pyramimonas grossii

Pyramimonas micron

Pyramimonas sp. 1

Tetraselmis gracilis

HOLOTRICH CILIATE

Mesodinium rubrum 0.6 8482

TOTAL: 3942 326880 16322 1862745 5753 782676 5233 835246

STATION	32 (2m)	32 (2m)	32	32	36	36	36	36
DATE	10/05/93	10/05/93	12/08/93	12/08/93	03/18/93	03/18/93	03/30/93	03/30/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
BACILLARIOPHYCEAE								
<i>Achnanthes clevei</i>					4	2117		
<i>Asterionella glacialis</i>								
<i>Biddulphia alternans</i>								
<i>Biddulphia mobiliensis</i>								
<i>Chaetoceros didymus</i>								
<i>Chaetoceros gracilis</i>								
<i>Chaetoceros socialis</i>							2	924
<i>Coccinodiscus curvatulus</i>							31	3577026
<i>Coccinodiscus excentricus</i>								
<i>Coccinodiscus lineatus</i>	2	22902	0.6	53585	63	1478006	63	196344
<i>Coccinodiscus marginatus</i>								
<i>Coccinodiscus nitidus</i>							31	44140
<i>Coccinodiscus oculus-iridis</i>	0.4	20106						
<i>Coccinodiscus radiatus</i>								
<i>Cyclotella caspia</i>								
<i>Cyclotella kuetzingiana</i>								
<i>Cyclotella meneghiniana</i>	9	68081	2	2064			875	43986
<i>Cyclotella stelligera</i>								
<i>Cyclotella striata</i>								
<i>Cylindrotheca closterium</i>							6	1429
<i>Ditylum brightwellii</i>					63	3547533	18	6073386
<i>Entomoneis paludosa</i>					4	98162		
<i>Eucampia zodiacus</i>							2	50392
<i>Fragilaria pinnata</i>					8	351		
<i>Gyrosigma balticum</i>							2	109800
<i>Gyrosigma fasciola</i>							2	51200
<i>Leptocylindrus danicus</i>								
<i>Lithodesmium undulatum</i>								
<i>Navicula halophila</i>							0.4	500
<i>Nitzschia acicularis</i>					63	23375		
<i>Nitzschia clausii</i>								
<i>Nitzschia frustulum</i>								
<i>Nitzschia gracilis</i>								
<i>Nitzschia kuetzingiana</i>	16	1297	16	312	16	499		
<i>Nitzschia longissima</i>								
<i>Nitzschia paleacea</i>							750	126360
<i>Nitzschia reversa</i>			0.2	700	8	5728		
<i>Nitzschia seriata</i>								
<i>Nitzschia tryblionella</i>					8	17073		
<i>Nitzschia vitrea</i>								
<i>Paralia sulcata</i>			2	1143	63	44654	30	38179
<i>Pinnularia gibba</i>								
<i>Pleurosigma aestuarii</i>							0.4	4842
<i>Pleurosigma elongatum</i>								
<i>Rhizosolenia delicatula</i>	0.6	1644	0.2	548				
<i>Rhizosolenia fragilissima</i>								
<i>Rhizosolenia setigera</i>							0.4	620
<i>Skeletonema costatum</i>	125	9425					375	88575
<i>Stephanodiscus dubius</i>					16	588		
<i>Stephanodiscus hantzschii</i>								
<i>Synedra delicatissima</i>							0.4	5546
<i>Thalassiosira rotula</i>					1938	25678075	2750	50941825

STATION	32 (2m)	32 (2m)	32	32	36	36	36	36
DATE	10/05/93	10/05/93	12/08/93	12/08/93	03/18/93	03/18/93	03/30/93	03/30/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume
<i>Tropidoneis</i> sp.								
CHLOROPHYCEAE								
<i>Chlorella marina</i>					500	27200	2125	115515
<i>Chlorella salina</i>								
<i>Monoraphidium contortum</i>					31	1377		
<i>Monoraphidium convolutum</i>					63	567	750	47123
<i>Nannochloris atomus</i>	250	1050			12188	51188	39000	163800
<i>Pediastrum duplex</i>								
CHRYSOPHYCEAE								
<i>Monas</i> sp.								
<i>Ochromonas</i> sp.								
CRYPTOPHYCEAE								
<i>Chroomonas acuta</i>			750	85425	1000	30100	1625	48913
<i>Chroomonas amphioxeia</i>	563	212119	188	70706	31	11803	750	282825
<i>Chroomonas salina</i>	4188	435500	1438	149500	1438	149500	3250	338000
CYANOPHYCEAE								
<i>Dactylococcopsis acicularis</i>								
<i>Oscillatoria limnetica</i>								
DINOPHYCEAE								
<i>Glenodinium</i> sp.								
<i>Gonyaulax catenella</i>								
<i>Gonyaulax tamarensis</i>	0.6	1221						
<i>Gymnodinium</i> sp.								
<i>Gymnodinium splendens</i>								
<i>Gyrodinium spirale</i>								
<i>Heterocapsa triquetra</i>								
<i>Katodinium rotundatum</i>								
<i>Oxytoxum milneri</i>								
<i>Proocentrum aporum</i>								
<i>Proocentrum minimum</i>								
<i>Protoperdinium deficiens</i>								
<i>Protoperdinium depressum</i>								
<i>Pyrocystis</i> sp.								
EUGLENOPHYCEAE								
<i>Eutreptia lanowii</i>	0.2	119						
PRASINOPHYCEAE								
<i>Pedinomonas</i> sp.								
<i>Pyramimonas grossii</i>					313	43588		
<i>Pyramimonas micron</i>			125	3563	63	2043	250	3350
<i>Pyramimonas</i> sp. 1								
<i>Tetraselmis gracilis</i>					125	2806		
HOLOTRICH CILIATE								
<i>Mesodinium rubrum</i>	2	19012	0.2	2827	63	691008		
TOTAL:	5156	792476	2520	370374	18063	31907339	52690	62354597

STATION	36	36	36	36	36	36	36	36	36
DATE	4/22/93	4/22/93	4/30/93	4/30/93	6/15/93	6/15/93	10/05/63	10/05/93	10/05/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume	Volume

BACILLARIOPHYCEAE

<i>Achnanthes clevei</i>									
<i>Asterionella glacialis</i>									
<i>Biddulphia alternans</i>									
<i>Biddulphia mobiliensis</i>									
<i>Chaetoceros didymus</i>									
<i>Chaetoceros gracilis</i>									
<i>Chaetoceros socialis</i>									
<i>Coscinodiscus curvatus</i>									
<i>Coscinodiscus excentricus</i>									
<i>Coscinodiscus lineatus</i>	11	1967002	0.4	18737	0.2	8638			
<i>Coscinodiscus marginatus</i>									
<i>Coscinodiscus nitidus</i>									
<i>Coscinodiscus oculus-iridis</i>								2	146570
<i>Coscinodiscus radiatus</i>								5	94999
<i>Cyclotella caspia</i>								107	189433
<i>Cyclotella kuetzingiana</i>									
<i>Cyclotella meneghiniana</i>	16750	1644379							
<i>Cyclotella stelligera</i>									
<i>Cyclotella striata</i>									
<i>Cylindrotheca closterium</i>	125	18750							
<i>Ditylum brightwellii</i>	1.0	330075							
<i>Entomoneis paludosa</i>	0.5	22194							
<i>Eucampia zodiacus</i>									
<i>Fragilaria pinnata</i>									
<i>Gyrosigma balticum</i>									
<i>Gyrosigma fasciola</i>	3	18571							
<i>Leptocylindrus danicus</i>									
<i>Lithodesmium undulatum</i>									
<i>Navicula halophila</i>									
<i>Nitzschia acicularis</i>									
<i>Nitzschia clausii</i>									
<i>Nitzschia frustulum</i>									
<i>Nitzschia gracilis</i>					0.4	163			
<i>Nitzschia kuetzingiana</i>			125	13800				188	6000
<i>Nitzschia longissima</i>			0.8	480					
<i>Nitzschia paleacea</i>					188	6750			
<i>Nitzschia reversa</i>									
<i>Nitzschia seriata</i>									
<i>Nitzschia tryblionella</i>	0.5	20625							
<i>Nitzschia vitrea</i>									
<i>Paralia sulcata</i>	8	5309							
<i>Pinnularia gibba</i>									
<i>Pleurosigma aestuarii</i>									
<i>Pleurosigma elongatum</i>									
<i>Rhizosolenia delicatula</i>								3	8771
<i>Rhizosolenia fragilissima</i>					1.2	5941			
<i>Rhizosolenia setigera</i>									
<i>Skeletonema costatum</i>									
<i>Stephanodiscus dubius</i>									
<i>Stephanodiscus hantzschii</i>			125	17671	1438	815880			
<i>Synedra delicatissima</i>									
<i>Thalassiosira rotula</i>	8	99156							

STATION	36	36	36	36	36	36	36	36
DATE	4/22/93	4/22/93	4/30/93	4/30/93	6/15/93	6/15/93	10/05/93	10/05/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume

Tropidoneis sp.

CHLOROPHYCEAE

Chlorella marina					938	50963		
Chlorella salina			625	2625	750	10603		
Monoraphidium contortum								
Monoraphidium convolutum								
Nannochloris atomus	7125	21757	2500	10500	875	3675		
Pediastrum duplex								

CHRYSOPHYCEAE

Monas sp.

Ochromonas sp.

CRYPTOPHYCEAE

Chroomonas acuta	625	71188						
Chroomonas amphioxeia	125	47138					125	47138
Chroomonas salina	2250	234000	2625	273000	1438	149500	5500	572000

CYANOPHYCEAE

Dactylococcopsis acicularis

Oscillatoria limnetica

DINOPHYCEAE

Glenodinium sp.								
Gonyaulax catenella	17	142777						
Gonyaulax tamarensis								
Gymnodinium sp.								
Gymnodinium splendens								
Gyrodinium spirale								
Heterocapsa triquetra								
Katodinium rotundatum	125	12725	125	6073				
Oxytoxum milneri								
Prorocentrum aporum								
Prorocentrum minimum	2	940	63	47631				
Protoperidinium deficiens								
Protoperidinium depressum								
Pyrocystis sp.								

EUGLENOPHYCEAE

Eutreptia lanowii

PRASINOPHYCEAE

Pedinomonas sp.								
Pyramimonas grossii								
Pyramimonas micron	625	8836						
Pyramimonas sp. 1								
Tetraselmis gracilis								

HOLOTRICH CILIATE

Mesodinium rubrum	10	134300	0.4	9071			2	12675
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TOTAL:	27808	4799719	6189	399588	5627	1052111	5931	1077585
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STATION	657	657	657	657	657	657	657	657	657
DATE	02/24/93	02/24/93	03/31/93	03/31/93	04/15/93	04/15/93	06/15/93	06/15/93	06/15/93
DENSITY/VOLUME	Density	Volume	Density	Volume	Density	Volume	Density	Volume	Volume
<i>Pleurosigma elongatum</i>									
<i>Rhizosolenia delicatula</i>			2	11088					
<i>Rhoicosphenia curvata</i>	8	2110							
<i>Stephanodiscus dubius</i>			250	92283	204	14158			
<i>Stephanodiscus hantzschii</i>			188	36079			188	58903	
<i>Stephanodiscus</i> sp.					82	32044			
<i>Synedra delicatissima</i>			6	6048			0.8	4776	
<i>Synedra radians</i>							0.8	643	
<i>Synedra rumpens</i>									
<i>Synedra</i> sp. 1			0.8	7091	2	11964			
CHLOROPHYCEAE									
<i>Chlamydomonas</i> sp. 1							63	263	
<i>Chlamydomonas</i> sp. 2									
<i>Chlorella marina</i>			125	10300	625	38500			
<i>Chlorella salina</i>					125	13000			
<i>Chlorella</i> sp.			125	4188			625	20938	
<i>Choricystis</i> sp.									
<i>Coelastrum sphaericum</i>									
<i>Eudorina elegans</i>									
<i>Franceia</i> sp.									
<i>Kirchneriella obesa</i>									
<i>Microactinium pusillum</i>	94	1325							
<i>Monoraphidium contortum</i>			125	1713	250	15700	63	2094	
<i>Monoraphidium convolutum</i>					0.8	50			
<i>Monoraphidium griffithii</i>									
<i>Nannochloris atomus</i>			625	2625	8250	34650	125	525	
<i>Pediastrum boryanum</i>									
<i>Planctonema</i> sp.			125	92283	250	10250			
<i>Scenedesmus acuminatus</i>									
<i>Scenedesmus ecornis</i>									
<i>Scenedesmus intermedius</i>									
<i>Scenedesmus opoliensis</i>									
<i>Schroederia setigera</i>					0.8	157			
<i>Spermatozopsis</i> sp.					125	2289			
CHRYSOPHYCEAE									
<i>Chromulina</i> sp.									
<i>Dinobryon divergens</i>							5	1663	
CRYPTOPHYCEAE									
<i>Chroomonas acuta</i>					250	7525	313	35594	
<i>Chroomonas amphioxeia</i>							250	99500	
<i>Chroomonas pleurococca</i>	31	3393							
<i>Chroomonas salina</i>			188	19500					
<i>Chroomonas</i> sp.	157	95224							
<i>Cryptomonas marsonii</i>					4	10780			
<i>Cryptomonas ovata</i>			6	4532	2	6111			
<i>Cryptomonas rostrata</i>			0.8	1047					
<i>Cryptomonas rostratiformis</i>							0.4	1598	
<i>Cryptomonas</i> sp.									