

PLANKTON STUDIES IN SAN FRANCISCO BAY, CALIFORNIA, X.
CHLOROPHYLL DISTRIBUTIONS AND HYDROGRAPHIC PROPERTIES
OF SOUTH SAN FRANCISCO BAY, CALIFORNIA, 1987

By Sally M. Wienke, Andrea E. Alpine, James E. Cloern, and Brian E. Cole

U.S. GEOLOGICAL SURVEY

Open-File Report - 90-145

Prepared as part of a continuing study of the
San Francisco Bay estuary

Menlo Park, California
March 1990

U.S. DEPARTMENT OF THE INTERIOR

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U.S. GEOLOGICAL SURVEY

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ABSTRACT

This report summarizes the distribution of phytoplankton biomass, measured as chlorophyll a concentration, and selected hydrographic properties in South San Francisco Bay during 1987. There were 20 cruises during the year, with the most frequent sampling during the spring. The parameters measured were: chlorophyll a, phaeopigments, in-vivo fluorescence, turbidity, Secchi depth, salinity, and temperature.

INTRODUCTION

This report summarizes the results of surveys of chlorophyll distributions and hydrographic properties in South San Francisco Bay (SSFB) during 1987. Data in this report were collected as part of a long-term project on plankton dynamics in San Francisco Bay. Sampling sites are shown in Figure 1 and their locations identified in Table 1. Two different water sampling systems were used to measure salinity and temperature during the year. In January and February, all water quality parameters were measured on samples pumped to shipboard instruments (Schemel and Dedini, 1979). Measurements of salinity, temperature, turbidity (nephelometry), and in-vivo fluorescence were made in near-surface waters of the main channel. At selected stations, these same parameters were also measured at 3-6 depths of the water column, along with measurements of chlorophyll a, phaeopigments, and light attenuation. Beginning in March a Seabird Electronics^R conductivity-temperature-depth (CTD)¹ system was used to measure conductivity (salinity) and temperature over the entire water depth at each station. Shipboard instruments continued to be used for in-vivo fluorescence and turbidity. Discrete chlorophyll a samples were collected on each sampling cruise to calibrate the fluorometer.

¹The use of brand names in this report for identification purposes and does not constitute endorsement by the U.S. Geological Survey.

METHODS

Sampling during January and February.

Samples were collected from the R/V Polaris with one of two sampling techniques: near-surface (longitudinal) profiling, or vertical profiling. In the surface profiling mode water was pumped from a through-the-hull fitting (2 meters below the water surface) located near the bow of the vessel while the ship was underway. For vertical profiling a submersible well pump was lowered to specific depths while the ship was anchored.

The pumped sample was directed through various instruments (see below) for continuous measurement of salinity, temperature, in-vivo fluorescence, and turbidity (nephelometry). Discrete samples for measurement of chlorophyll a and phaeopigment concentration were collected as the water exited the shipboard instrumentation.

Salinity was measured with a flow-sample electrodeless induction salinometer (Schemel and Dedini, 1979). For calibration of the shipboard salinometer, 3 to 4 discrete salinity samples (DISCR SALIN) were collected over the salinity range encountered during each cruise and analyzed later, in the laboratory, with a high precision (± 0.003 ppt) Beckman^R (model RS-7B) salinometer calibrated with Copenhagen water. The salinities (SALIN) listed in Appendix A were calculated from linear regression of the discrete salinity values against the corresponding field salinity data.

Temperature (TEMP) was measured with a Cole-Parmer^R Model 8502 thermistor probe inserted into the sample stream near the bow intake. Temperature measurements are accurate within $\pm 0.2^{\circ}\text{C}$.

In-vivo fluorescence (FLUOR) was measured with a Turner Designs^R Model

10 fluorometer. Linear regressions of measured chlorophyll-a (DISCR CHL A) against in-vivo fluorescence were used to calculate chlorophyll a (CALC CHL A) concentration for each fluorescence reading (CALC CHL A = A + B x fluorescence). Regression parameters and correlation coefficients presented at the bottom of each data summary show how well these variables correlate.

A Secchi disk was used to measure the attenuation of light at selected stations. The extinction coefficient (EXCOF) was then estimated from the equation:

$$\text{EXCOF} = 0.4 + 109/\text{SD}$$

where SD is the Secchi depth in centimeters. This equation was derived from studies in 1980 (unpublished data) when Secchi depth and light extinction (measured with a quantum sensor) were simultaneously measured.

Turbidity was measured with a Turner Designs^R Model 10 nephelometer (equipped with a cool-white lamp and slits mounted in a block). Regressions of extinction coefficient derived from Secchi depth against turbidity at each sampling station were used to calculate an extinction coefficient (CALC EXCOF) from the nephelometer data (CALC EXCOF = C + D x nephelometer value). Caution should be exercised when using calculated extinction coefficients where the coefficient of determination for the regression is less than 0.70.

Sampling from March through December.

Beginning in March, salinity and temperature were measured with a different water sampling system. At every station a Seabird Electronics^R

data acquisition unit (SBE-9) was lowered through the water column. Attached to the data acquisition unit were an SBE-4 conductivity meter, an SBE-3 temperature probe, and a pressure transducer. With this instrument package (CTD), semi-continuous measurements of conductivity, temperature, and depth were made in place. Values for salinity (SALIN) and temperature (TEMP) from March through December, reported in Appendix A, were taken from CTD readings of temperature and conductivity made concurrently with shipboard measurements of fluorescence and turbidity. In-vivo fluorescence and turbidity (nephelometry) were measured by pumping water through the shipboard instruments as described above. Sampling depth (DEPTH) was derived from changes in pressure as measured by a Paroscientific digiquartz pressure transducer. Depth measurements are accurate within ± 0.01 meters. The conductivity and temperature probes are recalibrated annually at the National Oceanic and Atmospheric Administration's Northwest testing facility.

At selected stations discrete water samples for chlorophyll a and phaeopigments were collected coincident with deployment of the CTD instrument package. A water sample from 1 meter above the bottom was collected with a Niskin bottle, and a near-surface water sample was taken from the pumped sample in the ship's laboratory.

Methods of Analysis

Methods of analysis were the same throughout the year. Each discrete sample for chlorophyll a (DISCR CHL) and phaeopigments (DISCR PHAEO) was filtered at less than 5 psi onto a Gelman^R A-E glass fiber filter and

immediately frozen. The filter was later ground in 90 per cent acetone. After extraction for 12-24 hours at -10°C , samples were centrifuged and absorbances of the extracts read on a Varian^R 635 D spectrophotometer. The acetone extracts were acidified (Riemann, 1978) to measure phaeopigments. Chlorophyll a and phaeopigment values were calculated from Lorenzen's (1967) equations.

Estimates of chlorophyll a (CALC CHL A) were derived from linear regressions of measured chlorophyll a (DISCR CHL) against in-vivo — fluorescence (FLUOR). Regression parameters were used to estimate a calculated chlorophyll a concentration (CALC CHL A) for each fluorescence value ($\text{CALC CHL A} = A + B \times \text{FLUOR}$). Regression parameters are presented at the end of the data summary for each cruise. The coefficient of determination (R^2) indicates how well the discrete chlorophyll a and fluorescence data correlated. Caution should 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 negative intercepts, which indicate that there is fluorescence in the water not associated with particulate chlorophyll a. Calculated chlorophyll a concentration divided by chlorophyll a plus phaeopigment concentrations ($\text{CHLA/A} + \text{PHA}$) is an estimate of the proportion of chlorophyll a to chlorophyll a plus its degradation products.

A Secchi disk was used to measure the attenuation of light at selected stations. Calculation of the extinction coefficient (EXCOF) by use of an equation derived from 1980 measurements of Secchi depth and light extinction has been described above.

Tidal phase at the time of sample collection (TIDE) was noted visually and recorded as flood (+1), slack (0), and ebb (-1).

REFERENCES

Lorenzen, C. J., 1967, Determination of chlorophyll and phaeopigments. Spectrophotometric equations: *Limnology and Oceanography*, v. 12, p. 343-346.

Riemann, B., 1978, Carotenoid interference in spectrophotometric determination of chlorophyll degradation products from natural populations of phytoplankton: *Limnology and Oceanography*, v. 23(5), p. 1059-1066.

Schemel, L. E., and Dedini, L. A., 1979, A continuous water sampling and multiparameter measurement system for estuaries: U.S. Geological Survey Open-File Report 79-273, 49 p.

TABLE 1. SOUTH SAN FRANCISCO BAY STATIONS

<u>Station Number</u>	<u>Name</u>	<u>N. Latitude</u>	<u>W. Longitude</u>
21	Bay Bridge	37° 48.0'	122° 22.2'
22	Potrero Pt.	45.7'	21.5'
23	Hunters Pt.	43.6'	20.2
24	Candlestick Pt.	42.0'	20.3
25	Oyster Pt.	40.3'	19.5'
26	San Bruno Shoal	38.2'	19.0'
27	San Francisco Airport	37.1'	17.5'
28	N. San Mateo Br.	36.0'	16.2'
29	S. San Mateo Br.	34.9'	14.8'
30	Redwood Cr.	33.3'	11.5'
31	Coyote Hills	31.8'	9.4'
32	Ravenswood Pt.	31.1'	8.1'

TABLE 2. TABLE OF UNITS

<u>Variable (abbreviation)</u>	<u>Units</u>
station (STATN NUMBR)	
depth at which sample was taken (DEPTH)	meters
time at which sample was taken (TIME)	local PST or PDT
tidal phase (TIDE)	+1 - flood 0 - slack -1 - ebb
measured chlorophyll <u>a</u> (DISCR CHL a)	$\mu\text{g/L}$
measured phaeopigments (DISCR PHAEO)	$\mu\text{g/L}$
chlorophyll <u>a</u> /chlorophyll <u>a</u> + phaeopigments CHLA/A+PHA	
fluorescence (FLUOR)	
calculated chlorophyll <u>a</u> (CALC CHL A)	$\mu\text{g/L}$
measured extinction coefficient, Secchi disk (EXCOF SD)	per meter
calculated extinction coefficient (CALC EXCOF)	per meter
discrete salinity (DISCR SALIN)	parts per thousand
salinity, from shipboard salinometer (SALIN)	parts per thousand
temperature (TEMP)	degrees Celsius

TABLE 3. TABLE OF CONVERSIONS

<u>Units</u>	<u>Abreviation</u>	<u>U.S. System</u>
meter	m	3.28 feet
gram	g	0.0022 pound
microgram	μg (10^{-6}g)	
liter	l	1.06 quart
parts per thousand	o/oo or ppt	
degrees Celsius	$^{\circ}\text{C}$	$-32^{\circ} + 0.556^{\circ}\text{F}$

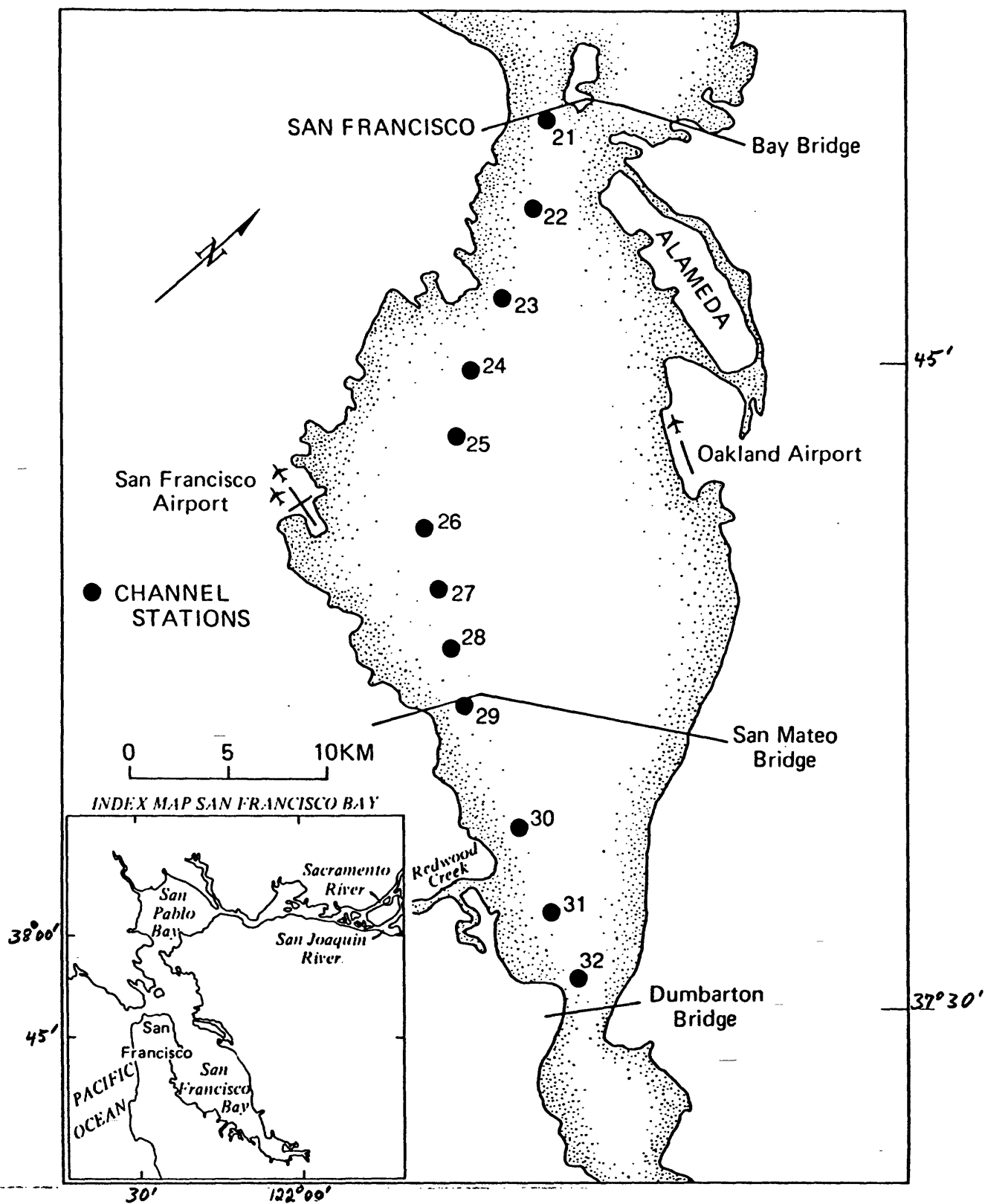


Figure 1. Map of South San Francisco Bay showing locations of water sampling stations.

APPENDIX A: DATA SUMMARIES

LOCATION: SOUTH BAY CHANNEL

DATE: 21 JANUARY 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR			
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP	
30.0	1.0	726	-1	-----	-----	-----	0.088	1.4	-----	2.37	-----	27.84	8.59	
29.0	1.0	744	-1	-----	-----	-----	0.080	1.3	-----	2.20	-----	28.14	8.92	
28.0	1.0	754	-1	-----	-----	-----	0.073	1.3	-----	2.19	-----	28.23	8.91	
27.0	1.0	802	-1	-----	-----	-----	0.071	1.2	-----	2.21	-----	28.41	9.00	
26.0	1.0	810	-1	-----	-----	-----	0.068	1.2	-----	2.26	-----	28.54	9.16	
25.0	1.0	824	-1	-----	-----	-----	0.082	1.4	-----	2.56	-----	28.62	9.24	
24.0	1.0	836	-1	-----	-----	-----	0.075	1.3	-----	2.43	-----	28.72	9.60	
23.0	1.0	846	-1	-----	-----	-----	0.073	1.3	-----	2.43	-----	28.93	9.98	
22.0	1.0	859	-1	-----	-----	-----	0.076	1.3	-----	2.46	-----	29.21	10.31	
21.0	0.0	935	-1	1.5	1.9	0.43	0.068	1.2	2.22	2.23	-----	29.08	10.07	
21.0	14.0	925	-1	1.5	3.3	0.31	0.079	1.3	-----	2.50	29.06	29.02	9.93	
22.0	1.0	1004	-1	-----	-----	-----	0.072	1.3	-----	2.27	-----	28.92	10.35	
23.0	1.0	1021	-1	-----	-----	-----	0.086	1.4	-----	2.42	-----	28.47	9.72	
24.0	0.0	1055	0	1.4	1.8	0.43	0.082	1.4	2.58	2.28	-----	28.80	10.43	
24.0	8.0	1046	0	1.3	3.1	0.30	0.094	1.5	-----	2.51	28.69	28.75	10.09	
25.0	1.0	1117	1	-----	-----	-----	0.099	1.5	-----	2.30	-----	28.49	9.44	
26.0	1.0	1132	1	-----	-----	-----	0.112	1.7	-----	2.25	-----	28.40	9.33	
27.0	0.0	1202	1	1.1	1.0	0.53	0.088	1.4	2.22	2.05	-----	28.46	10.77	
27.0	11.0	1153	1	1.8	3.5	0.34	0.126	1.8	-----	2.57	-----	28.48	10.17	
28.0	1.0	1218	1	-----	-----	-----	0.129	1.9	-----	2.17	-----	28.13	9.20	
29.0	1.0	1231	1	-----	-----	-----	0.131	1.9	-----	2.24	-----	27.86	8.98	
30.0	0.0	1312	1	2.0	2.3	0.47	0.137	2.0	1.96	2.24	-----	27.77	9.55	
30.0	13.0	1302	1	2.3	10.8	0.18	0.205	2.7	-----	3.83	28.18	28.16	9.73	
31.0	1.0	1335	1	-----	-----	-----	0.145	2.1	-----	2.22	-----	27.38	8.83	
32.0	0.0	1402	1	2.0	1.7	0.54	0.140	2.0	1.96	2.13	-----	27.06	9.67	
32.0	12.0	1353	1	3.1	9.7	0.24	0.198	2.6	-----	3.43	-----	27.68	9.38	

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	10	0.82	0.460	11.030	0.270
EXCOF vs NEPHELOMETRY	5	0.14	1.849	0.525	0.274
SALINITY vs DISCR SALINITY	3	0.99	0.852	1.020	0.075

LOCATION: SOUTH BAY CHANNEL
DATE: 6 FEBRUARY 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR			
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAE0	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP	
32.0	0.0	825	-1	1.5	1.5	0.51	0.069	1.4	1.76	1.74	-----	27.39	11.16	
32.0	2.0	818	-1	-----	-----	-----	0.069	1.4	-----	1.82	-----	27.55	11.12	
32.0	12.0	806	-1	1.2	2.4	0.33	0.073	1.4	-----	2.27	27.81	27.80	10.93	
31.0	1.0	840	-1	-----	-----	-----	0.070	1.4	-----	1.62	-----	27.70	11.15	
30.0	0.0	917	-1	-----	-----	-----	0.065	1.4	1.61	1.61	-----	27.85	11.47	
30.0	2.0	911	-1	1.8	1.1	0.62	0.067	1.4	-----	1.60	-----	27.78	11.36	
30.0	12.0	904	-1	1.3	2.5	0.34	0.073	1.4	-----	2.16	-----	28.02	11.36	
29.0	1.0	943	-1	-----	-----	-----	0.070	1.4	-----	1.50	-----	28.10	11.26	
28.0	1.0	954	-1	-----	-----	-----	0.070	1.4	-----	1.50	-----	28.23	11.33	
27.0	0.0	1029	-1	-----	-----	-----	0.067	1.4	1.55	1.45	-----	28.24	12.06	
27.0	2.0	1021	-1	1.5	1.3	0.54	0.068	1.4	-----	1.44	-----	28.24	11.92	
27.0	12.0	1011	-1	1.2	1.9	0.39	0.071	1.4	-----	2.04	28.35	28.36	11.71	
26.0	1.0	1042	-1	-----	-----	-----	0.072	1.4	-----	1.60	-----	28.38	11.44	
25.0	1.0	1055	-1	-----	-----	-----	0.077	1.5	-----	2.01	-----	28.54	11.47	
24.0	0.0	1129	-1	-----	-----	-----	0.070	1.4	1.61	1.63	-----	28.67	12.17	
24.0	2.0	1123	-1	1.4	1.3	0.52	0.069	1.4	-----	1.64	-----	28.69	12.10	
24.0	9.0	1117	-1	1.2	1.8	0.39	0.072	1.4	-----	1.80	-----	28.70	12.02	
23.0	1.0	1145	-1	-----	-----	-----	0.076	1.5	-----	1.52	-----	29.00	11.85	
22.0	1.0	1158	-1	-----	-----	-----	0.080	1.5	-----	1.65	-----	28.96	11.87	
21.0	0.0	1238	-1	-----	-----	-----	0.094	1.6	1.39	1.50	-----	28.38	12.70	
21.0	2.0	1233	-1	2.0	1.5	0.58	0.098	1.7	-----	1.53	-----	28.39	12.50	
21.0	13.0	1225	-1	1.4	2.9	0.33	0.098	1.7	-----	2.57	28.69	28.68	12.18	
22.0	1.0	1253	-1	-----	-----	-----	0.093	1.6	-----	1.64	-----	28.63	11.79	
23.0	1.0	1307	-1	-----	-----	-----	0.094	1.6	-----	1.44	-----	28.64	11.98	
24.0	1.0	1319	-1	-----	-----	-----	0.099	1.7	-----	1.66	-----	28.46	11.81	
25.0	1.0	1332	0	-----	-----	-----	0.105	1.7	-----	1.70	-----	28.21	11.83	
26.0	1.0	1347	0	-----	-----	-----	0.108	1.8	-----	1.65	-----	28.05	11.79	
27.0	1.0	1357	0	-----	-----	-----	0.110	1.8	-----	1.63	-----	28.02	11.83	
28.0	1.0	1408	1	-----	-----	-----	0.114	1.8	-----	1.66	-----	27.76	11.77	
29.0	1.0	1418	1	-----	-----	-----	0.119	1.9	-----	1.87	-----	27.55	11.79	
30.0	1.0	1436	1	-----	-----	-----	0.120	1.9	-----	1.57	-----	27.66	12.31	

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	10	0.17	0.708	9.872	0.268
EXCOF vs NEPHELOMETRY	5	0.71	0.923	1.506	0.084
SALINITY vs DISCR SALINITY	3	1.00	2.007	0.957	0.000

LOCATION: SOUTH BAY CHANNEL

DATE: 20 MARCH 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
32.0	0.0	914	-1	-----	-----	-----	-----	-----	-----	-----	-----	22.80	12.94
32.0	1.0	914	-1	9.3	4.0	0.70	0.197	9.4	-----	-----	-----	23.96	12.81
32.0	2.0	914	-1	-----	-----	-----	-----	-----	-----	-----	-----	23.91	12.93
32.0	5.0	914	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.07	12.86
32.0	9.0	914	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.38	12.87
31.0	0.0	928	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.18	13.03
31.0	1.0	928	-1	-----	-----	-----	0.180	8.4	-----	-----	-----	24.75	12.66
31.0	2.0	928	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.51	12.91
31.0	5.0	928	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.56	12.91
31.0	10.0	928	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.12	13.14
31.0	14.0	928	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.33	13.15
30.0	1.0	949	-1	7.8	4.7	0.62	0.165	7.4	-----	-----	-----	24.54	13.83
29.0	0.0	1012	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.15	13.23
29.0	1.0	1012	-1	5.7	4.3	0.57	0.142	5.9	-----	-----	-----	26.16	13.16
29.0	2.0	1012	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.16	13.13
29.0	5.0	1012	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.18	13.13
29.0	10.0	1012	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.38	13.12
29.0	14.0	1012	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.51	13.10
28.0	0.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.43	13.14
28.0	1.0	1028	-1	-----	-----	-----	0.127	5.0	-----	-----	-----	26.48	13.07
28.0	2.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.48	13.06
28.0	5.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.54	13.01
28.0	10.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.65	13.04
28.0	15.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.77	13.08
27.0	1.0	1041	-1	-----	-----	-----	0.117	4.3	-----	-----	-----	25.57	13.86
26.0	1.0	1059	-1	-----	-----	-----	0.120	4.5	-----	-----	-----	25.77	14.03
25.0	1.0	1120	-1	-----	-----	-----	0.104	3.5	-----	-----	-----	26.01	13.99
24.0	1.0	1140	-1	3.3	1.6	0.68	0.093	2.8	-----	-----	-----	26.29	14.16
23.0	1.0	1204	-1	-----	-----	-----	0.097	3.0	-----	-----	-----	26.19	14.08
22.0	1.0	1230	-1	-----	-----	-----	0.081	2.0	-----	-----	-----	25.75	13.89
21.0	1.0	1254	-1	2.1	2.0	0.51	0.091	2.6	-----	-----	-----	24.65	13.63

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	5	0.98	-3.217	64.441	0.499

LOCATION: SOUTH BAY CHANNEL
DATE: 31 MARCH 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR			
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP	
32.0	1.0	738	1	14.4	5.8	0.71	0.239	14.2	-----	2.88	24.23	24.24	16.93	
32.0	9.0	741	0	-----	-----	-----	-----	-----	-----	-----	-----	25.75	16.22	
31.0	1.0	757	0	-----	-----	-----	0.232	13.6	-----	2.89	-----	24.86	16.90	
31.0	12.0	758	0	-----	-----	-----	-----	-----	-----	-----	-----	26.20	15.88	
30.0	1.0	814	0	12.3	6.5	0.65	0.211	11.6	-----	2.92	25.53	25.51	16.51	
30.0	14.0	812	0	-----	-----	-----	-----	-----	-----	-----	-----	26.84	15.46	
29.0	1.0	837	0	8.0	5.7	0.59	0.184	9.1	2.82	2.90	-----	25.99	16.20	
29.0	14.0	835	0	-----	-----	-----	-----	-----	-----	-----	-----	27.11	15.30	
28.0	1.0	853	1	-----	-----	-----	0.162	7.0	2.82	2.92	-----	26.18	16.00	
28.0	15.0	852	1	-----	-----	-----	-----	-----	-----	-----	-----	27.30	14.95	
27.0	1.0	907	1	5.4	4.3	0.56	0.150	5.9	2.58	2.37	-----	26.28	15.95	
27.0	13.0	906	1	-----	-----	-----	-----	-----	-----	-----	-----	27.29	15.05	
26.0	1.0	921	1	-----	-----	-----	0.130	3.9	1.76	2.19	-----	26.28	15.63	
26.0	10.0	920	1	-----	-----	-----	-----	-----	-----	-----	-----	27.26	14.63	
25.0	1.0	943	1	-----	-----	-----	0.105	1.6	2.58	2.63	-----	26.31	15.40	
25.0	8.0	940	1	-----	-----	-----	-----	-----	-----	-----	-----	27.26	14.57	
24.0	1.0	1003	1	3.0	5.3	0.36	0.117	2.7	3.13	3.06	-----	27.39	15.35	
24.0	11.0	1002	1	-----	-----	-----	-----	-----	-----	-----	-----	27.23	14.66	
23.0	1.0	1026	1	-----	-----	-----	0.109	2.0	2.58	2.42	26.42	26.43	15.01	
23.0	21.0	1025	1	-----	-----	-----	-----	-----	-----	-----	-----	27.65	13.75	
22.0	1.0	1047	1	-----	-----	-----	0.109	2.0	2.38	2.23	-----	26.46	14.47	
22.0	18.0	1046	1	-----	-----	-----	-----	-----	-----	-----	-----	26.58	13.53	
21.0	1.0	1107	1	3.3	3.6	0.48	0.119	2.9	2.38	2.31	-----	26.95	14.63	
21.0	15.0	1106	1	-----	-----	-----	-----	-----	-----	-----	-----	28.50	13.27	
22.0	1.0	1124	1	-----	-----	-----	0.110	2.1	-----	2.23	-----	26.69	14.25	
23.0	1.0	1135	1	-----	-----	-----	0.112	2.3	-----	2.47	-----	26.66	14.49	
24.0	1.0	1143	1	-----	-----	-----	0.120	3.0	-----	3.44	-----	26.46	14.69	
25.0	1.0	1155	1	-----	-----	-----	0.119	3.0	-----	3.21	-----	26.19	15.42	
26.0	1.0	1209	1	-----	-----	-----	0.111	2.2	-----	3.07	-----	26.20	15.52	
27.0	1.0	1218	1	-----	-----	-----	0.117	2.8	-----	3.16	-----	26.20	15.52	
28.0	1.0	1228	1	-----	-----	-----	0.126	3.6	-----	2.87	-----	26.20	15.55	
29.0	1.0	1236	1	-----	-----	-----	0.147	5.5	-----	3.58	-----	26.44	15.61	
30.0	1.0	1257	1	-----	-----	-----	0.252	15.5	-----	2.30	-----	25.98	16.58	

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	6	0.98	-8.260	94.146	0.714
EXCOF vs NEPHELOMETRY	9	0.74	1.349	1.104	0.208
SALINITY vs DISCR SALINITY	3	1.00	0.536	1.015	0.029

LOCATION: SOUTH BAY CHANNEL

DATE: 3 APRIL 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
32.0	0.0	748	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.72	15.99
32.0	1.0	748	-1	12.2	5.4	0.69	0.205	10.9	2.22	2.11	-----	24.73	15.99
32.0	2.0	748	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.77	16.03
32.0	5.0	748	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.09	16.08
32.0	10.0	748	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.11	16.08
31.0	0.0	801	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.55	16.04
31.0	1.0	801	-1	10.4	6.2	0.63	0.196	10.2	2.38	2.34	-----	25.25	16.02
31.0	2.0	801	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.26	16.02
31.0	5.0	801	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.31	16.02
31.0	10.0	801	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.41	15.99
31.0	13.0	801	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.53	15.93
30.0	0.0	820	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.53	16.03
30.0	1.0	820	-1	10.8	9.0	0.54	0.200	10.5	2.58	2.83	-----	25.55	16.01
30.0	2.0	820	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.56	16.01
30.0	5.0	820	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.60	16.00
30.0	10.0	820	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.63	16.00
30.0	14.0	820	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.60	16.00
29.0	0.0	841	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.03	15.94
29.0	1.0	841	-1	6.2	4.8	0.56	0.161	7.6	2.38	2.20	-----	26.06	15.85
29.0	2.0	841	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.07	15.79
29.0	5.0	841	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.06	15.80
29.0	10.0	841	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.07	15.79
29.0	14.0	841	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.07	15.79
28.0	0.0	857	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.15	15.76
28.0	1.0	857	-1	5.3	4.8	0.53	0.140	6.1	2.22	2.06	-----	26.18	15.72
28.0	2.0	857	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.18	15.72
28.0	5.0	857	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.19	15.71
28.0	10.0	857	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.19	15.71
28.0	15.0	857	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.19	15.71
27.0	0.0	911	-1	-----	-----	-----	-----	-----	-----	-----	-----	-----	15.81
27.0	1.0	911	-1	6.2	3.6	0.63	0.137	5.8	2.22	1.98	-----	26.25	15.75
27.0	2.0	911	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.25	15.71
27.0	5.0	911	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.25	15.68
27.0	10.0	911	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.25	15.67
27.0	12.0	911	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.25	15.67
26.0	0.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.25	15.72
26.0	1.0	924	-1	4.4	4.2	0.51	0.127	5.1	2.08	2.20	-----	26.27	15.58
26.0	2.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.28	15.53
26.0	5.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.28	15.52
26.0	9.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.28	15.50
25.0	0.0	942	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.58	15.61
25.0	1.0	942	-1	3.1	4.1	0.43	0.113	4.1	1.96	2.19	-----	26.32	15.44
25.0	2.0	942	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.32	15.38
25.0	5.0	942	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.32	15.35
25.0	8.0	942	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.31	15.35
24.0	0.0	959	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.21	15.75
24.0	1.0	959	-1	2.7	2.0	0.58	0.106	3.5	1.85	1.69	-----	26.40	15.19
24.0	2.0	959	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.39	15.13

LOCATION: SOUTH BAY CHANNEL
DATE: 3 APRIL 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
24.0	5.0	959	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.39	15.08
24.0	10.0	959	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.37	15.05
23.0	0.0	1017	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.86	15.26
23.0	1.0	1017	-1	3.5	2.1	0.62	0.103	3.3	1.76	1.42	-----	26.43	15.00
23.0	2.0	1017	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.43	14.91
23.0	5.0	1017	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.42	14.86
23.0	10.0	1017	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.42	14.84
23.0	16.0	1017	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.44	14.76
22.0	0.0	1038	0	-----	-----	-----	-----	-----	-----	-----	-----	26.64	14.78
22.0	1.0	1038	0	2.9	1.3	0.69	0.082	1.8	0.92	1.17	-----	26.70	14.64
22.0	2.0	1038	0	-----	-----	-----	-----	-----	-----	-----	-----	26.73	14.43
22.0	5.0	1038	0	-----	-----	-----	-----	-----	-----	-----	-----	26.73	14.44
22.0	10.0	1038	0	-----	-----	-----	-----	-----	-----	-----	-----	26.78	14.30
22.0	17.0	1038	0	-----	-----	-----	-----	-----	-----	-----	-----	26.91	14.12
21.0	0.0	1054	1	-----	-----	-----	-----	-----	-----	-----	-----	26.63	15.04
21.0	1.0	1054	1	3.7	1.4	0.72	0.091	2.4	0.95	1.31	-----	26.69	14.58
21.0	2.0	1054	1	-----	-----	-----	-----	-----	-----	-----	-----	26.72	14.48
21.0	5.0	1054	1	-----	-----	-----	-----	-----	-----	-----	-----	26.78	14.31
21.0	10.0	1054	1	-----	-----	-----	-----	-----	-----	-----	-----	26.86	14.31
21.0	18.0	1054	1	-----	-----	-----	-----	-----	-----	-----	-----	27.19	14.29

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	12	0.92	-4.311	74.121	0.978
EXCOF vs NEPHELOMETRY	12	0.81	0.697	1.488	0.244

LOCATION: SOUTH BAY CHANNEL

DATE: 10 APRIL 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
32.0	0.0	705	1	-----	-----	-----	-----	-----	-----	-----	-----	25.47	17.21
32.0	1.0	705	1	12.0	5.3	0.69	0.226	11.5	-----	-----	-----	25.51	17.25
32.0	2.0	705	1	-----	-----	-----	-----	-----	-----	-----	-----	25.58	17.31
32.0	5.0	705	1	-----	-----	-----	-----	-----	-----	-----	-----	25.82	17.25
32.0	10.0	705	1	-----	-----	-----	-----	-----	-----	-----	-----	25.85	17.26
32.0	14.0	705	1	-----	-----	-----	-----	-----	-----	-----	-----	25.84	17.27
31.0	0.0	725	1	-----	-----	-----	-----	-----	-----	-----	-----	25.79	17.03
31.0	1.0	725	1	-----	-----	-----	0.212	10.5	-----	-----	-----	25.84	17.02
31.0	2.0	725	1	-----	-----	-----	-----	-----	-----	-----	-----	25.84	17.01
31.0	5.0	725	1	-----	-----	-----	-----	-----	-----	-----	-----	25.90	16.96
31.0	10.0	725	1	-----	-----	-----	-----	-----	-----	-----	-----	25.94	16.90
31.0	14.0	725	1	-----	-----	-----	-----	-----	-----	-----	-----	25.93	16.90
30.0	0.0	743	1	-----	-----	-----	-----	-----	-----	-----	-----	25.96	16.66
30.0	1.0	743	1	9.1	5.4	0.63	0.178	8.2	-----	-----	-----	25.98	16.66
30.0	2.0	743	1	-----	-----	-----	-----	-----	-----	-----	-----	25.98	16.64
30.0	5.0	743	1	-----	-----	-----	-----	-----	-----	-----	-----	26.01	16.58
30.0	10.0	743	1	-----	-----	-----	-----	-----	-----	-----	-----	26.03	16.52
30.0	15.0	743	1	-----	-----	-----	-----	-----	-----	-----	-----	26.04	16.50
29.0	0.0	812	1	-----	-----	-----	-----	-----	-----	-----	-----	26.12	16.24
29.0	1.0	812	1	5.9	7.0	0.46	0.162	7.1	-----	-----	-----	26.16	16.23
29.0	2.0	812	1	-----	-----	-----	-----	-----	-----	-----	-----	26.17	16.20
29.0	5.0	812	1	-----	-----	-----	-----	-----	-----	-----	-----	26.23	16.14
29.0	10.0	812	1	-----	-----	-----	-----	-----	-----	-----	-----	26.28	16.08
29.0	16.0	812	1	-----	-----	-----	-----	-----	-----	-----	-----	26.31	16.06
28.0	0.0	832	1	-----	-----	-----	-----	-----	-----	-----	-----	25.61	15.88
28.0	1.0	832	1	5.3	7.2	0.43	0.147	6.0	-----	-----	-----	26.29	15.88
28.0	2.0	832	1	-----	-----	-----	-----	-----	-----	-----	-----	26.29	15.88
28.0	5.0	832	1	-----	-----	-----	-----	-----	-----	-----	-----	26.29	15.87
28.0	10.0	832	1	-----	-----	-----	-----	-----	-----	-----	-----	26.30	15.87
28.0	17.0	832	1	-----	-----	-----	-----	-----	-----	-----	-----	26.29	15.88
27.0	0.0	847	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	15.12
27.0	1.0	847	1	3.3	5.6	0.37	0.120	4.2	-----	-----	-----	26.48	15.44
27.0	2.0	847	1	-----	-----	-----	-----	-----	-----	-----	-----	26.48	15.44
27.0	5.0	847	1	-----	-----	-----	-----	-----	-----	-----	-----	26.48	15.44
27.0	10.0	847	1	-----	-----	-----	-----	-----	-----	-----	-----	26.54	15.34
27.0	13.0	847	1	-----	-----	-----	-----	-----	-----	-----	-----	26.54	15.33
26.0	0.0	902	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
26.0	1.0	902	1	2.5	4.7	0.34	0.105	3.1	-----	-----	-----	26.70	15.13
26.0	2.0	902	1	-----	-----	-----	-----	-----	-----	-----	-----	26.70	15.12
26.0	5.0	902	1	-----	-----	-----	-----	-----	-----	-----	-----	26.70	15.12
26.0	10.0	902	1	-----	-----	-----	-----	-----	-----	-----	-----	26.71	15.12
26.0	12.0	902	1	-----	-----	-----	-----	-----	-----	-----	-----	26.70	15.12
25.0	0.0	921	1	-----	-----	-----	-----	-----	-----	-----	-----	27.22	14.73
25.0	1.0	921	1	2.3	2.9	0.45	0.089	2.0	-----	-----	-----	27.24	14.65
25.0	2.0	921	1	-----	-----	-----	-----	-----	-----	-----	-----	27.23	14.55
25.0	5.0	921	1	-----	-----	-----	-----	-----	-----	-----	-----	27.24	14.54
25.0	9.0	921	1	-----	-----	-----	-----	-----	-----	-----	-----	27.24	14.54
24.0	0.0	939	0	-----	-----	-----	-----	-----	-----	-----	-----	27.64	14.30

LOCATION: SOUTH BAY CHANNEL

DATE: 10 APRIL 1987

STATN	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
24.0	1.0	939	0	2.5	2.8	0.48	0.091	2.1	-----	-----	-----	27.66	14.27
24.0	2.0	939	0	-----	-----	-----	-----	-----	-----	-----	-----	27.67	14.25
24.0	5.0	939	0	-----	-----	-----	-----	-----	-----	-----	-----	27.67	14.25
24.0	10.0	939	0	-----	-----	-----	-----	-----	-----	-----	-----	27.70	14.22
24.0	12.0	939	0	-----	-----	-----	-----	-----	-----	-----	-----	27.71	14.22
23.0	0.0	954	0	-----	-----	-----	-----	-----	-----	-----	-----	27.83	14.43
23.0	1.0	954	0	-----	-----	-----	0.086	1.8	-----	-----	-----	27.83	14.36
23.0	2.0	954	0	-----	-----	-----	-----	-----	-----	-----	-----	27.87	14.27
23.0	5.0	954	0	-----	-----	-----	-----	-----	-----	-----	-----	28.12	13.98
23.0	10.0	954	0	-----	-----	-----	-----	-----	-----	-----	-----	28.68	13.63
23.0	17.0	954	0	-----	-----	-----	-----	-----	-----	-----	-----	28.79	13.58
22.0	0.0	1019	0	-----	-----	-----	-----	-----	-----	-----	-----	27.08	15.16
22.0	1.0	1019	0	4.1	1.6	0.71	0.112	3.6	-----	-----	-----	27.35	14.63
22.0	2.0	1019	0	-----	-----	-----	-----	-----	-----	-----	-----	27.57	14.43
22.0	5.0	1019	0	-----	-----	-----	-----	-----	-----	-----	-----	27.67	14.38
22.0	10.0	1019	0	-----	-----	-----	-----	-----	-----	-----	-----	29.37	13.16
22.0	15.0	1019	0	-----	-----	-----	-----	-----	-----	-----	-----	29.94	12.88
22.0	19.0	1019	0	-----	-----	-----	-----	-----	-----	-----	-----	30.06	12.81
21.0	0.0	1032	-1	-----	-----	-----	-----	-----	-----	-----	-----	27.09	15.08
21.0	1.0	1032	-1	3.7	1.5	0.71	0.103	3.0	-----	-----	-----	27.07	15.06
21.0	2.0	1032	-1	-----	-----	-----	-----	-----	-----	-----	-----	27.08	15.06
21.0	5.0	1032	-1	-----	-----	-----	-----	-----	-----	-----	-----	27.86	14.37
21.0	10.0	1032	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.04	13.38
21.0	14.0	1032	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.42	12.59
21.0	18.0	1032	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.43	12.58

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	10	0.94	-4.195	69.547	0.790

LOCATION: SOUTH BAY CHANNEL
DATE: 16 APRIL 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
32.0	0.0	649	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.39	18.75
32.0	1.0	649	-1	10.4	5.3	0.66	0.213	10.1	2.82	2.54	-----	24.45	18.73
32.0	2.0	649	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.54	18.64
32.0	5.0	649	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.77	18.53
32.0	9.0	649	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.97	18.46
31.0	0.0	702	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.89	18.51
31.0	1.0	702	-1	-----	-----	-----	0.216	10.2	2.82	2.83	-----	25.04	18.45
31.0	2.0	702	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.13	18.45
31.0	5.0	702	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.26	18.33
31.0	10.0	702	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.40	18.22
31.0	12.0	702	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.41	18.22
30.0	0.0	717	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.50	18.12
30.0	1.0	717	-1	10.1	9.1	0.53	0.206	9.7	3.13	2.79	-----	25.56	18.04
30.0	2.0	717	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.62	17.98
30.0	5.0	717	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.71	17.89
30.0	10.0	717	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.87	17.75
30.0	15.0	717	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.91	17.67
29.0	0.0	738	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.00	17.77
29.0	1.0	738	-1	-----	-----	-----	0.200	9.4	2.82	2.84	-----	26.01	17.72
29.0	2.0	738	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.99	17.62
29.0	5.0	738	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.01	17.56
29.0	10.0	738	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.03	17.53
29.0	14.0	738	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.05	17.51
28.0	0.0	752	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.00	17.50
28.0	1.0	752	-1	-----	-----	-----	0.205	9.6	3.13	3.25	-----	26.07	17.46
28.0	2.0	752	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.07	17.45
28.0	5.0	752	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.10	17.40
28.0	10.0	752	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.13	17.35
28.0	15.0	752	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.13	17.34
27.0	0.0	805	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.15	17.28
27.0	1.0	805	-1	7.9	10.6	0.43	0.191	8.9	3.13	3.08	-----	26.20	17.20
27.0	2.0	805	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.20	17.16
27.0	5.0	805	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.22	17.12
27.0	10.0	805	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.23	17.11
26.0	0.0	817	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.30	16.97
26.0	1.0	817	-1	-----	-----	-----	0.161	7.3	2.58	2.80	-----	26.33	16.91
26.0	2.0	817	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.32	16.92
26.0	5.0	817	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.33	16.90
26.0	9.0	817	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.34	16.89
25.0	0.0	835	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.40	16.70
25.0	1.0	835	-1	-----	-----	-----	0.157	7.1	2.82	2.82	-----	26.50	16.51
25.0	2.0	835	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.50	16.46
25.0	5.0	835	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.51	16.43
25.0	7.0	835	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.52	16.41
24.0	0.0	854	1	-----	-----	-----	-----	-----	-----	-----	-----	26.89	16.42
24.0	1.0	854	1	5.9	4.2	0.58	0.133	5.7	2.38	2.32	-----	26.94	16.10
24.0	2.0	854	1	-----	-----	-----	-----	-----	-----	-----	-----	26.95	16.07
24.0	5.0	854	1	-----	-----	-----	-----	-----	-----	-----	-----	26.97	16.04

LOCATION: SOUTH BAY CHANNEL
DATE: 16 APRIL 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
24.0	10.0	854	1	-----	-----	-----	-----	-----	-----	-----	-----	26.98	16.02
23.0	0.0	911	1	-----	-----	-----	-----	-----	-----	-----	-----	26.61	16.90
23.0	1.0	911	1	-----	-----	-----	0.149	6.6	2.22	2.44	-----	26.77	16.51
23.0	2.0	911	1	-----	-----	-----	-----	-----	-----	-----	-----	26.79	16.32
23.0	5.0	911	1	-----	-----	-----	-----	-----	-----	-----	-----	27.14	15.97
23.0	10.0	911	1	-----	-----	-----	-----	-----	-----	-----	-----	27.29	15.81
23.0	15.0	911	1	-----	-----	-----	-----	-----	-----	-----	-----	27.31	15.78
22.0	0.0	931	1	-----	-----	-----	-----	-----	-----	-----	-----	27.05	16.50
22.0	1.0	931	1	-----	-----	-----	0.138	6.0	2.22	2.26	-----	27.19	16.18
22.0	2.0	931	1	-----	-----	-----	-----	-----	-----	-----	-----	27.37	15.84
22.0	5.0	931	1	-----	-----	-----	-----	-----	-----	-----	-----	27.77	15.42
22.0	10.0	931	1	-----	-----	-----	-----	-----	-----	-----	-----	28.16	14.96
22.0	17.0	931	1	-----	-----	-----	-----	-----	-----	-----	-----	28.41	14.72
21.0	0.0	951	1	-----	-----	-----	-----	-----	-----	-----	-----	27.55	16.18
21.0	1.0	951	1	5.6	4.2	0.57	0.128	5.5	2.22	2.31	-----	27.72	15.66
21.0	2.0	951	1	-----	-----	-----	-----	-----	-----	-----	-----	27.77	15.54
21.0	5.0	951	1	-----	-----	-----	-----	-----	-----	-----	-----	27.98	15.36
21.0	10.0	951	1	-----	-----	-----	-----	-----	-----	-----	-----	28.53	14.95
21.0	16.0	951	1	-----	-----	-----	-----	-----	-----	-----	-----	28.56	14.92

REGRESSION		N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	—	5	0.94	-1.456	54.160	0.651
EXCOF vs NEPHELOMETRY		12	0.77	1.809	0.633	0.179

LOCATION: SOUTH BAY CHANNEL

DATE: 23 APRIL 1987

STATN	DEPTH	TIME	TIDE	DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR				CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
32.0	0.0	755	1	-----	-----	-----	-----	-----	-----	-----	-----	26.03	17.02
32.0	1.0	755	1	7.2	9.4	0.43	0.173	8.1	3.13	3.32	-----	26.04	17.03
32.0	2.0	755	1	-----	-----	-----	-----	-----	-----	-----	-----	26.02	17.04
32.0	5.0	755	1	-----	-----	-----	-----	-----	-----	-----	-----	26.04	17.04
32.0	10.0	755	1	-----	-----	-----	-----	-----	-----	-----	-----	26.05	17.04
32.0	13.0	755	1	-----	-----	-----	-----	-----	-----	-----	-----	26.05	17.04
31.0	0.0	811	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	16.86
31.0	1.0	811	1	-----	-----	-----	0.188	8.9	4.03	3.89	-----	26.17	16.86
31.0	2.0	811	1	-----	-----	-----	-----	-----	-----	-----	-----	26.17	16.85
31.0	5.0	811	1	-----	-----	-----	-----	-----	-----	-----	-----	26.19	16.85
31.0	10.0	811	1	-----	-----	-----	-----	-----	-----	-----	-----	26.20	16.85
31.0	14.0	811	1	-----	-----	-----	-----	-----	-----	-----	-----	26.19	16.86
30.0	0.0	833	1	-----	-----	-----	-----	-----	-----	-----	-----	26.39	16.90
30.0	1.0	833	1	9.4	9.3	0.50	0.187	8.8	3.51	3.79	-----	26.43	16.90
30.0	2.0	833	1	-----	-----	-----	-----	-----	-----	-----	-----	26.42	16.90
30.0	5.0	833	1	-----	-----	-----	-----	-----	-----	-----	-----	26.42	16.91
30.0	10.0	833	1	-----	-----	-----	-----	-----	-----	-----	-----	26.43	16.89
30.0	15.0	833	1	-----	-----	-----	-----	-----	-----	-----	-----	26.43	16.88
29.0	0.0	903	1	-----	-----	-----	-----	-----	-----	-----	-----	26.76	16.90
29.0	1.0	903	1	-----	-----	-----	0.150	6.8	3.13	2.67	-----	26.76	16.90
29.0	2.0	903	1	-----	-----	-----	-----	-----	-----	-----	-----	26.78	16.90
29.0	5.0	903	1	-----	-----	-----	-----	-----	-----	-----	-----	26.89	16.91
29.0	10.0	903	1	-----	-----	-----	-----	-----	-----	-----	-----	26.99	16.92
29.0	16.0	903	1	-----	-----	-----	-----	-----	-----	-----	-----	27.04	16.94
28.0	0.0	916	1	-----	-----	-----	-----	-----	-----	-----	-----	26.88	16.70
28.0	1.0	916	1	-----	-----	-----	0.149	6.8	2.58	2.44	-----	27.03	16.69
28.0	2.0	916	1	-----	-----	-----	-----	-----	-----	-----	-----	27.03	16.69
28.0	5.0	916	1	-----	-----	-----	-----	-----	-----	-----	-----	27.03	16.69
28.0	10.0	916	1	-----	-----	-----	-----	-----	-----	-----	-----	27.16	16.61
28.0	17.0	916	1	-----	-----	-----	-----	-----	-----	-----	-----	27.18	16.59
27.0	0.0	931	0	-----	-----	-----	-----	-----	-----	-----	-----	27.56	16.08
27.0	1.0	931	0	6.7	4.8	0.58	0.138	6.2	2.22	2.07	-----	27.59	16.08
27.0	2.0	931	0	-----	-----	-----	-----	-----	-----	-----	-----	27.59	16.07
27.0	5.0	931	0	-----	-----	-----	-----	-----	-----	-----	-----	27.58	16.04
27.0	10.0	931	0	-----	-----	-----	-----	-----	-----	-----	-----	27.67	15.96
27.0	14.0	931	0	-----	-----	-----	-----	-----	-----	-----	-----	27.74	15.88
26.0	0.0	944	0	-----	-----	-----	-----	-----	-----	-----	-----	28.24	15.29
26.0	1.0	944	0	-----	-----	-----	0.115	4.9	1.96	1.90	-----	28.24	15.29
26.0	2.0	944	0	-----	-----	-----	-----	-----	-----	-----	-----	28.24	15.29
26.0	5.0	944	0	-----	-----	-----	-----	-----	-----	-----	-----	28.23	15.28
26.0	10.0	944	0	-----	-----	-----	-----	-----	-----	-----	-----	28.25	15.28
26.0	12.0	944	0	-----	-----	-----	-----	-----	-----	-----	-----	28.26	15.26
25.0	0.0	1002	0	-----	-----	-----	-----	-----	-----	-----	-----	28.53	14.93
25.0	1.0	1002	0	-----	-----	-----	0.105	4.4	1.76	1.80	-----	28.55	14.92
25.0	2.0	1002	0	-----	-----	-----	-----	-----	-----	-----	-----	28.55	14.89
25.0	5.0	1002	0	-----	-----	-----	-----	-----	-----	-----	-----	28.56	14.87
25.0	10.0	1002	0	-----	-----	-----	-----	-----	-----	-----	-----	28.59	14.85
24.0	0.0	1021	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.05	14.45

LOCATION: SOUTH BAY CHANNEL

DATE: 23 APRIL 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
24.0	1.0	1021	-1	4.3	2.3	0.65	0.102	4.2	1.76	1.78	-----	29.07	14.37
24.0	2.0	1021	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.08	14.27
24.0	5.0	1021	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.13	14.22
24.0	10.0	1021	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.14	14.18
24.0	12.0	1021	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.18	14.16
23.0	0.0	1038	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.14	14.45
23.0	1.0	1038	-1	-----	-----	-----	0.091	3.6	1.61	1.70	-----	29.22	14.32
23.0	2.0	1038	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.28	14.21
23.0	5.0	1038	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.42	14.03
23.0	10.0	1038	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.65	13.90
23.0	17.0	1038	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.88	13.66
22.0	0.0	1055	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.63	14.14
22.0	1.0	1055	-1	-----	-----	-----	0.089	3.5	1.55	1.69	-----	29.69	13.94
22.0	2.0	1055	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.81	13.72
22.0	5.0	1055	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.10	13.48
22.0	10.0	1055	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.22	13.38
22.0	15.0	1055	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.38	13.24
22.0	20.0	1055	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.65	13.03
21.0	0.0	1104	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.21	15.16
21.0	1.0	1104	-1	4.1	2.0	0.67	0.107	4.5	1.61	1.78	-----	29.42	14.50
21.0	2.0	1104	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.78	13.99
21.0	5.0	1104	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.53	13.23
21.0	10.0	1104	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.74	12.98
21.0	15.0	1104	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.77	12.93
21.0	19.0	1104	-1	-----	-----	-----	-----	-----	-----	-----	-----	27.74	12.92

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	5	0.92	-1.368	54.582	0.736
EXCOF vs NEPHELOMETRY	12	0.94	1.200	1.061	0.210

LOCATION: SOUTH BAY CHANNEL

DATE: 30 APRIL 1987

STATN	DEPTH	TIME	TIDE	DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR				CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
32.0	0.0	759	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.04	18.28
32.0	1.0	759	-1	3.2	3.1	0.51	0.115	3.6	1.76	1.78	-----	25.05	18.28
32.0	2.0	759	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.13	18.28
32.0	5.0	759	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.34	18.28
32.0	10.0	759	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.53	18.27
32.0	12.0	759	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.56	18.27
31.0	0.0	810	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.10	18.27
31.0	1.0	810	-1	-----	-----	-----	0.108	4.1	2.22	1.88	-----	25.58	18.28
31.0	2.0	810	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.63	18.28
31.0	5.0	810	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.78	18.24
31.0	10.0	810	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.85	18.22
31.0	13.0	810	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.88	18.19
30.0	0.0	827	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.17	18.16
30.0	1.0	827	-1	4.0	3.9	0.51	0.110	3.9	2.08	2.12	-----	26.01	18.17
30.0	2.0	827	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.02	18.16
30.0	5.0	827	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.01	18.16
30.0	10.0	827	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.06	18.11
30.0	14.0	827	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.17	18.10
29.0	0.0	852	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.46	17.76
29.0	1.0	852	-1	-----	-----	-----	0.099	4.6	1.76	1.88	-----	26.53	17.77
29.0	2.0	852	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.53	17.77
29.0	5.0	852	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.47	17.74
29.0	10.0	852	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.50	17.70
29.0	14.0	852	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.60	17.68
28.0	0.0	907	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.48	17.66
28.0	1.0	907	-1	-----	-----	-----	0.098	4.6	1.96	1.92	-----	26.64	17.66
28.0	2.0	907	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.65	17.66
28.0	5.0	907	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.66	17.63
28.0	10.0	907	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.67	17.62
28.0	15.0	907	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.68	17.62
27.0	0.0	922	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.93	17.56
27.0	1.0	922	-1	3.7	2.9	0.56	0.101	4.4	1.85	1.87	-----	26.77	17.55
27.0	2.0	922	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.77	17.55
27.0	5.0	922	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.78	17.53
27.0	10.0	922	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.82	17.51
27.0	13.0	922	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.84	17.49
26.0	0.0	943	-1	-----	-----	-----	-----	-----	-----	-----	-----	25.21	17.39
26.0	1.0	943	-1	-----	-----	-----	0.103	4.3	1.96	1.97	-----	27.01	17.39
26.0	2.0	943	-1	-----	-----	-----	-----	-----	-----	-----	-----	27.01	17.38
26.0	5.0	943	-1	-----	-----	-----	-----	-----	-----	-----	-----	27.06	17.34
26.0	10.0	943	-1	-----	-----	-----	-----	-----	-----	-----	-----	27.13	17.28
25.0	0.0	1003	0	-----	-----	-----	-----	-----	-----	-----	-----	-----	16.97
25.0	1.0	1003	0	-----	-----	-----	0.109	4.0	1.96	1.94	-----	27.63	16.92
25.0	2.0	1003	0	-----	-----	-----	-----	-----	-----	-----	-----	27.65	16.86
25.0	5.0	1003	0	-----	-----	-----	-----	-----	-----	-----	-----	27.69	16.80
25.0	8.0	1003	0	-----	-----	-----	-----	-----	-----	-----	-----	27.69	16.79
24.0	0.0	1024	1	-----	-----	-----	-----	-----	-----	-----	-----	28.49	16.12
24.0	1.0	1024	1	4.7	3.0	0.61	0.101	4.5	1.76	1.87	-----	28.52	16.12

LOCATION: SOUTH BAY CHANNEL
DATE: 30 APRIL 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
24.0	2.0	1024	1	-----	-----	-----	-----	-----	-----	-----	-----	28.53	16.08
24.0	5.0	1024	1	-----	-----	-----	-----	-----	-----	-----	-----	28.60	15.96
24.0	10.0	1024	1	-----	-----	-----	-----	-----	-----	-----	-----	28.66	15.91
23.0	0.0	1041	1	-----	-----	-----	-----	-----	-----	-----	-----	27.50	16.27
23.0	1.0	1041	1	-----	-----	-----	0.112	3.8	1.76	1.81	-----	28.54	16.21
23.0	2.0	1041	1	-----	-----	-----	-----	-----	-----	-----	-----	28.56	16.21
23.0	5.0	1041	1	-----	-----	-----	-----	-----	-----	-----	-----	28.62	16.12
23.0	10.0	1041	1	-----	-----	-----	-----	-----	-----	-----	-----	28.97	15.67
23.0	16.0	1041	1	-----	-----	-----	-----	-----	-----	-----	-----	28.97	15.65
22.0	0.0	1111	1	-----	-----	-----	-----	-----	-----	-----	-----	28.49	16.43
22.0	1.0	1111	1	-----	-----	-----	0.105	4.3	1.76	1.80	-----	28.55	16.28
22.0	2.0	1111	1	-----	-----	-----	-----	-----	-----	-----	-----	28.82	15.86
22.0	5.0	1111	1	-----	-----	-----	-----	-----	-----	-----	-----	29.13	15.59
22.0	10.0	1111	1	-----	-----	-----	-----	-----	-----	-----	-----	29.36	15.24
22.0	15.0	1111	1	-----	-----	-----	-----	-----	-----	-----	-----	29.66	14.81
22.0	19.0	1111	1	-----	-----	-----	-----	-----	-----	-----	-----	29.67	14.79
21.0	0.0	1131	1	-----	-----	-----	-----	-----	-----	-----	-----	29.06	15.90
21.0	1.0	1131	1	4.9	3.4	0.59	0.107	4.1	1.96	1.96	-----	29.22	15.70
21.0	2.0	1131	1	-----	-----	-----	-----	-----	-----	-----	-----	29.41	15.32
21.0	5.0	1131	1	-----	-----	-----	-----	-----	-----	-----	-----	29.58	15.08
21.0	10.0	1131	1	-----	-----	-----	-----	-----	-----	-----	-----	29.59	15.05
21.0	16.0	1131	1	-----	-----	-----	-----	-----	-----	-----	-----	27.05	14.85

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	5	0.26	10.580	-60.509	0.688
EXCOF vs NEPHELOMETRY	12	0.40	1.352	0.938	0.121

LOCATION: SOUTH BAY CHANNEL
DATE: 8 MAY 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAE0	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
32.0	0.0	758	1	-----	-----	-----	-----	-----	-----	-----	-----	26.42	20.18
32.0	1.0	758	1	3.0	1.9	0.61	0.096	3.4	1.24	1.31	-----	26.43	20.18
32.0	2.0	758	1	-----	-----	-----	-----	-----	-----	-----	-----	26.45	20.17
32.0	5.0	758	1	-----	-----	-----	-----	-----	-----	-----	-----	26.62	20.05
32.0	10.0	758	1	-----	-----	-----	-----	-----	-----	-----	-----	26.64	20.02
31.0	0.0	813	1	-----	-----	-----	-----	-----	-----	-----	-----	20.59	19.77
31.0	1.0	813	1	-----	-----	-----	0.106	3.8	1.18	1.23	-----	26.67	19.76
31.0	2.0	813	1	-----	-----	-----	-----	-----	-----	-----	-----	26.83	19.69
31.0	5.0	813	1	-----	-----	-----	-----	-----	-----	-----	-----	26.95	19.58
31.0	10.0	813	1	-----	-----	-----	-----	-----	-----	-----	-----	26.99	19.57
31.0	13.0	813	1	-----	-----	-----	-----	-----	-----	-----	-----	27.01	19.55
30.0	0.0	834	1	-----	-----	-----	-----	-----	-----	-----	-----	27.42	19.21
30.0	1.0	834	1	3.6	2.7	0.57	0.107	3.8	1.18	1.26	-----	27.44	19.21
30.0	2.0	834	1	-----	-----	-----	-----	-----	-----	-----	-----	27.46	19.19
30.0	5.0	834	1	-----	-----	-----	-----	-----	-----	-----	-----	27.56	19.04
30.0	10.0	834	1	-----	-----	-----	-----	-----	-----	-----	-----	27.61	18.96
30.0	16.0	834	1	-----	-----	-----	-----	-----	-----	-----	-----	27.60	18.96
29.0	0.0	902	1	-----	-----	-----	-----	-----	-----	-----	-----	27.80	18.99
29.0	1.0	902	1	-----	-----	-----	0.107	3.8	1.49	1.35	-----	27.82	18.97
29.0	2.0	902	1	-----	-----	-----	-----	-----	-----	-----	-----	27.83	18.97
29.0	5.0	902	1	-----	-----	-----	-----	-----	-----	-----	-----	28.03	18.70
29.0	10.0	902	1	-----	-----	-----	-----	-----	-----	-----	-----	28.30	18.48
29.0	16.0	902	1	-----	-----	-----	-----	-----	-----	-----	-----	28.33	18.46
28.0	0.0	920	0	-----	-----	-----	-----	-----	-----	-----	-----	27.71	18.86
28.0	1.0	920	0	-----	-----	-----	0.132	4.7	1.24	1.18	-----	27.76	18.83
28.0	2.0	920	0	-----	-----	-----	-----	-----	-----	-----	-----	27.78	18.80
28.0	5.0	920	0	-----	-----	-----	-----	-----	-----	-----	-----	27.95	18.82
28.0	10.0	920	0	-----	-----	-----	-----	-----	-----	-----	-----	28.59	18.06
28.0	17.0	920	0	-----	-----	-----	-----	-----	-----	-----	-----	28.67	17.98
27.0	0.0	936	-1	-----	-----	-----	-----	-----	-----	-----	-----	24.93	18.96
27.0	1.0	936	-1	4.9	2.2	0.69	0.146	5.2	1.18	1.17	-----	28.09	18.93
27.0	2.0	936	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.22	18.83
27.0	5.0	936	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.39	18.53
27.0	10.0	936	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.79	17.88
27.0	13.0	936	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.83	17.85
26.0	0.0	950	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.18	18.06
26.0	1.0	950	-1	-----	-----	-----	0.140	5.0	1.04	1.08	-----	28.65	18.03
26.0	2.0	950	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.71	17.93
26.0	5.0	950	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.87	17.69
26.0	10.0	950	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.87	17.64
25.0	0.0	1011	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.10	16.91
25.0	1.0	1011	-1	-----	-----	-----	0.092	3.3	1.08	1.15	-----	29.10	16.91
25.0	2.0	1011	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.11	16.89
25.0	5.0	1011	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.15	16.82
25.0	9.0	1011	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.20	16.71
24.0	0.0	1027	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.32	16.44
24.0	1.0	1027	-1	3.2	0.8	0.79	0.084	3.0	0.97	0.96	-----	29.37	16.36
24.0	2.0	1027	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.39	16.31

LOCATION: SOUTH BAY CHANNEL

DATE: 8 MAY 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
24.0	5.0	1027	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.50	16.17
24.0	10.0	1027	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.47	16.13
23.0	0.0	1043	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.25	16.82
23.0	1.0	1043	-1	-----	-----	-----	0.094	3.4	1.04	1.01	-----	29.31	16.71
23.0	2.0	1043	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.58	16.11
23.0	5.0	1043	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.80	15.92
23.0	10.0	1043	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.74	15.83
23.0	17.0	1043	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.76	15.80
22.0	0.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	26.44	16.29
22.0	1.0	1100	-1	-----	-----	-----	0.098	3.5	1.01	1.01	-----	29.57	16.25
22.0	2.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.68	16.10
22.0	5.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.92	15.81
22.0	10.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.17	15.33
22.0	15.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.43	14.98
22.0	19.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.55	14.82
21.0	0.0	1114	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.88	17.01
21.0	1.0	1114	-1	5.0	1.1	0.82	0.118	4.2	1.15	1.10	-----	29.31	16.96
21.0	2.0	1114	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.44	16.81
21.0	5.0	1114	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.08	15.69
21.0	10.0	1114	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.61	14.78
21.0	15.0	1114	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.07	14.23
21.0	18.0	1114	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.96	14.09

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	5	0.73	0.074	34.973	0.579
EXCOF vs NEPHELOMETRY	12	0.78	0.350	3.483	0.068

LOCATION: SOUTH BAY CHANNEL
DATE: 22 MAY 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAE0	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
32.0	1.0	752	1	1.5	1.1	0.58	0.075	2.7	1.24	1.19	-----	26.50	18.89
31.0	0.0	806	1	-----	-----	-----	-----	-----	-----	-----	-----	27.42	18.50
31.0	1.0	806	1	-----	-----	-----	0.071	2.3	1.13	1.18	-----	27.51	18.51
31.0	2.0	806	1	-----	-----	-----	-----	-----	-----	-----	-----	27.51	18.51
31.0	5.0	806	1	-----	-----	-----	-----	-----	-----	-----	-----	27.52	18.50
31.0	10.0	806	1	-----	-----	-----	-----	-----	-----	-----	-----	27.51	18.48
30.0	0.0	827	1	-----	-----	-----	-----	-----	-----	-----	-----	27.75	18.58
30.0	1.0	827	1	1.8	1.3	0.57	0.072	2.4	1.13	1.11	-----	27.88	18.58
30.0	2.0	827	1	-----	-----	-----	-----	-----	-----	-----	-----	27.89	18.58
30.0	5.0	827	1	-----	-----	-----	-----	-----	-----	-----	-----	27.82	18.58
30.0	10.0	827	1	-----	-----	-----	-----	-----	-----	-----	-----	27.81	18.58
29.0	0.0	854	1	-----	-----	-----	-----	-----	-----	-----	-----	28.33	18.49
29.0	1.0	854	1	-----	-----	-----	0.074	2.6	1.13	1.18	-----	28.33	18.47
29.0	2.0	854	1	-----	-----	-----	-----	-----	-----	-----	-----	28.37	18.46
29.0	5.0	854	1	-----	-----	-----	-----	-----	-----	-----	-----	28.47	18.44
29.0	10.0	854	1	-----	-----	-----	-----	-----	-----	-----	-----	28.48	18.44
29.0	16.0	854	1	-----	-----	-----	-----	-----	-----	-----	-----	28.47	18.44
28.0	0.0	911	1	-----	-----	-----	-----	-----	-----	-----	-----	28.62	18.51
28.0	1.0	911	1	-----	-----	-----	0.092	4.2	1.24	1.20	-----	28.84	18.45
28.0	2.0	911	1	-----	-----	-----	-----	-----	-----	-----	-----	28.88	18.37
28.0	5.0	911	1	-----	-----	-----	-----	-----	-----	-----	-----	28.79	18.33
28.0	10.0	911	1	-----	-----	-----	-----	-----	-----	-----	-----	28.93	18.28
28.0	16.0	911	1	-----	-----	-----	-----	-----	-----	-----	-----	28.94	18.27
27.0	0.0	926	1	-----	-----	-----	-----	-----	-----	-----	-----	28.94	18.33
27.0	1.0	926	1	4.9	1.6	0.76	0.100	4.9	1.18	1.15	-----	29.16	18.25
27.0	2.0	926	1	-----	-----	-----	-----	-----	-----	-----	-----	29.14	18.25
27.0	5.0	926	1	-----	-----	-----	-----	-----	-----	-----	-----	29.17	18.21
27.0	10.0	926	1	-----	-----	-----	-----	-----	-----	-----	-----	29.20	18.20
27.0	17.0	926	1	-----	-----	-----	-----	-----	-----	-----	-----	29.21	18.20
26.0	0.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	29.35	17.96
26.0	1.0	938	1	-----	-----	-----	0.083	3.4	1.01	0.99	-----	29.47	17.81
26.0	2.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	29.48	17.74
26.0	5.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	29.52	17.66
26.0	10.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	29.59	17.49
26.0	13.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	29.59	17.50
25.0	0.0	956	1	-----	-----	-----	-----	-----	-----	-----	-----	29.72	17.55
25.0	1.0	956	1	-----	-----	-----	0.082	3.3	1.01	1.01	-----	29.79	17.40
25.0	2.0	956	1	-----	-----	-----	-----	-----	-----	-----	-----	29.81	17.29
25.0	5.0	956	1	-----	-----	-----	-----	-----	-----	-----	-----	29.85	17.08
25.0	10.0	956	1	-----	-----	-----	-----	-----	-----	-----	-----	29.84	16.98
24.0	0.0	1012	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.60	16.84
24.0	1.0	1012	-1	3.8	0.9	0.80	0.072	2.4	0.90	0.90	-----	29.93	16.62
24.0	2.0	1012	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.00	16.52
24.0	5.0	1012	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.09	16.42
24.0	9.0	1012	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.17	16.37
23.0	0.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.88	16.56
23.0	1.0	1028	-1	-----	-----	-----	0.068	2.0	0.95	1.01	-----	30.34	16.14
23.0	2.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.43	16.05

LOCATION: SOUTH BAY CHANNEL
DATE: 22 MAY 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAE0	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
23.0	5.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.61	15.87
23.0	10.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.64	15.83
23.0	12.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.57	15.83
22.0	0.0	1045	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.55	16.26
22.0	1.0	1045	-1	-----	-----	-----	0.065	1.8	0.87	0.86	-----	30.57	15.90
22.0	2.0	1045	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.57	15.82
22.0	5.0	1045	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.76	15.62
22.0	10.0	1045	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.91	15.46
22.0	17.0	1045	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.80	15.44
21.0	0.0	1057	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.71	16.07
21.0	1.0	1057	-1	3.3	1.1	0.75	0.077	2.9	0.92	0.90	-----	30.78	15.58
21.0	2.0	1057	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.88	15.39
21.0	5.0	1057	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.11	15.17
21.0	10.0	1057	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.13	15.01
21.0	15.0	1057	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.18	14.96
21.0	20.0	1057	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.24	14.90

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	5	0.54	-4.006	89.105	1.112
EXCOF vs NEPHELOMETRY	12	0.91	0.370	2.688	0.041

LOCATION: SOUTH BAY CHANNEL
DATE: 4 JUNE 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
32.0	0.0	751	1	-----	-----	-----	-----	-----	-----	-----	-----	27.70	19.88
32.0	1.0	751	1	1.2	0.6	0.69	0.065	1.2	1.04	0.99	-----	27.88	19.87
32.0	2.0	751	1	-----	-----	-----	-----	-----	-----	-----	-----	27.90	19.87
32.0	5.0	751	1	-----	-----	-----	-----	-----	-----	-----	-----	27.96	19.84
32.0	10.0	751	1	-----	-----	-----	-----	-----	-----	-----	-----	27.98	19.74
32.0	12.0	751	1	-----	-----	-----	-----	-----	-----	-----	-----	27.98	19.73
31.0	0.0	804	-1	-----	-----	-----	-----	-----	-----	-----	-----	27.72	19.54
31.0	1.0	804	-1	-----	-----	-----	0.064	1.1	0.92	0.90	-----	28.00	19.52
31.0	2.0	804	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.03	19.47
31.0	5.0	804	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.07	19.44
31.0	10.0	804	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.17	19.30
31.0	15.0	804	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.22	19.23
30.0	0.0	821	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.09	19.11
30.0	1.0	821	-1	1.0	0.8	0.54	0.068	1.4	0.84	0.86	-----	28.16	19.11
30.0	2.0	821	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.16	19.11
30.0	5.0	821	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.36	19.06
30.0	10.0	821	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.47	19.02
30.0	15.0	821	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.54	19.04
29.0	0.0	845	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.69	18.98
29.0	1.0	845	-1	-----	-----	-----	0.074	2.0	0.90	0.92	-----	28.84	18.98
29.0	2.0	845	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.84	18.99
29.0	5.0	845	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.88	18.99
29.0	10.0	845	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.98	19.05
29.0	15.0	845	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.02	19.09
28.0	0.0	858	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.03	19.09
28.0	1.0	858	-1	-----	-----	-----	0.080	2.6	0.92	0.92	-----	29.08	19.09
28.0	2.0	858	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.07	19.09
28.0	5.0	858	-1	-----	-----	-----	-----	-----	-----	-----	-----	28.96	19.08
28.0	10.0	858	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.30	19.36
28.0	16.0	858	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.47	19.43
27.0	0.0	912	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.24	19.10
27.0	1.0	912	-1	1.9	1.3	0.60	0.084	2.9	0.97	0.97	-----	29.28	19.10
27.0	2.0	912	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.27	19.09
27.0	5.0	912	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.32	19.08
27.0	10.0	912	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.42	19.03
27.0	13.0	912	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.42	19.01
26.0	0.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.29	18.99
26.0	1.0	924	-1	-----	-----	-----	0.092	3.8	0.97	0.97	-----	29.33	18.98
26.0	2.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.33	18.96
26.0	5.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.41	18.88
26.0	10.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.49	18.83
25.0	0.0	940	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.57	18.66
25.0	1.0	940	-1	-----	-----	-----	0.084	3.0	1.08	1.10	-----	29.69	18.53
25.0	2.0	940	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.70	18.47
25.0	5.0	940	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.74	18.37
25.0	9.0	940	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.77	18.35
24.0	0.0	957	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.09	17.84
24.0	1.0	957	-1	2.6	1.7	0.60	0.081	2.6	1.18	1.26	-----	30.16	17.71

LOCATION: SOUTH BAY CHANNEL
DATE: 4 JUNE 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR			
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP	
24.0	2.0	957	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.16	17.69	
24.0	5.0	957	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.22	17.62	
24.0	10.0	957	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.23	17.55	
23.0	0.0	1013	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.39	17.25	
23.0	1.0	1013	-1	-----	-----	-----	0.073	1.9	1.49	1.45	-----	30.44	17.21	
23.0	2.0	1013	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.44	17.18	
23.0	5.0	1013	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.45	17.11	
23.0	10.0	1013	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.45	17.06	
23.0	15.0	1013	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.45	17.04	
23.0	20.0	1013	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.45	17.03	
22.0	0.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.37	16.80	
22.0	1.0	1028	-1	-----	-----	-----	0.069	1.5	1.24	1.30	-----	30.41	16.76	
22.0	2.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.41	16.74	
22.0	5.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.36	16.70	
22.0	10.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.38	16.68	
22.0	13.0	1028	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.43	16.65	
21.0	0.0	1044	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.29	17.24	
21.0	1.0	1044	-1	4.0	0.7	0.85	0.079	2.5	1.31	1.20	-----	30.35	17.19	
21.0	2.0	1044	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.37	17.14	
21.0	5.0	1044	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.40	17.07	
21.0	10.0	1044	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.40	17.02	
21.0	17.0	1044	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.41	16.96	

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	5	0.41	-5.049	95.398	1.084
EXCOF vs NEPHELOMETRY	12	0.93	0.507	2.408	0.053

LOCATION: SOUTH BAY CHANNEL

DATE: 16 JULY 1987

STATN	DEPTH	TIME	TIDE	DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR				CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
32.0	1.0	900	-1	2.2	2.0	0.52	0.094	1.9	-----	-----	-----	30.09	21.50
32.0	2.0	900	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.09	21.50
32.0	5.0	900	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.13	21.49
32.0	10.0	900	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.15	21.49
31.0	0.0	912	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.26	21.53
31.0	1.0	912	-1	-----	-----	-----	0.087	1.7	-----	-----	-----	30.27	21.51
31.0	2.0	912	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.27	21.49
31.0	5.0	912	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.28	21.48
31.0	10.0	912	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.29	21.48
31.0	13.0	912	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.29	21.48
30.0	0.0	928	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.43	21.38
30.0	1.0	928	-1	1.5	2.8	0.35	0.084	1.7	-----	-----	-----	30.43	21.37
30.0	2.0	928	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.43	21.37
30.0	5.0	928	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.44	21.34
30.0	10.0	928	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.44	21.34
30.0	16.0	928	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.45	21.33
29.0	0.0	949	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.55	21.07
29.0	1.0	949	-1	-----	-----	-----	0.080	1.6	-----	-----	-----	30.56	21.07
29.0	2.0	949	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.56	21.06
29.0	5.0	949	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.62	21.06
29.0	10.0	949	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.63	21.05
29.0	15.0	949	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.64	21.03
28.0	0.0	1006	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.68	20.97
28.0	1.0	1006	-1	-----	-----	-----	0.083	1.6	-----	-----	-----	30.70	20.97
28.0	2.0	1006	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.69	20.97
28.0	5.0	1006	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.70	20.96
28.0	10.0	1006	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.70	20.95
28.0	15.0	1006	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.70	20.95
27.0	1.0	1019	-1	1.4	3.5	0.28	0.085	1.7	-----	-----	-----	30.76	20.86
27.0	2.0	1019	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.76	20.87
27.0	5.0	1019	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.76	20.85
27.0	10.0	1019	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.77	20.84
27.0	12.0	1019	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.76	20.84
26.0	0.0	1033	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.80	20.90
26.0	1.0	1033	-1	-----	-----	-----	0.084	1.7	-----	-----	-----	30.86	20.90
26.0	2.0	1033	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.86	20.91
26.0	5.0	1033	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.85	20.91
26.0	10.0	1033	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.87	20.84
25.0	0.0	1052	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.02	20.29
25.0	1.0	1052	-1	-----	-----	-----	0.081	1.6	-----	-----	-----	31.02	20.29
25.0	2.0	1052	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.03	20.26
25.0	5.0	1052	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.04	20.23
25.0	8.0	1052	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.04	20.21
24.0	0.0	1109	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.38	18.83
24.0	1.0	1109	-1	1.4	2.8	0.34	0.073	1.5	-----	-----	-----	31.38	18.83
24.0	2.0	1109	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.39	18.83
24.0	5.0	1109	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.39	18.83
24.0	10.0	1109	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.39	18.80

LOCATION: SOUTH BAY CHANNEL

DATE: 16 JULY 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
23.0	0.0	1125	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.27	19.18
23.0	1.0	1125	-1	-----	-----	-----	0.070	1.4	-----	-----	-----	31.28	19.17
23.0	2.0	1125	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.27	19.14
23.0	5.0	1125	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.28	19.12
23.0	10.0	1125	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.28	19.09
23.0	16.0	1125	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.30	18.96
22.0	0.0	1144	0	-----	-----	-----	-----	-----	-----	-----	-----	31.47	18.33
22.0	1.0	1144	0	-----	-----	-----	0.066	1.3	-----	-----	-----	31.48	18.33
22.0	2.0	1144	0	-----	-----	-----	-----	-----	-----	-----	-----	31.48	18.33
22.0	5.0	1144	0	-----	-----	-----	-----	-----	-----	-----	-----	31.47	18.33
22.0	10.0	1144	0	-----	-----	-----	-----	-----	-----	-----	-----	31.47	18.33
22.0	18.0	1144	0	-----	-----	-----	-----	-----	-----	-----	-----	31.48	18.23
21.0	0.0	1201	0	-----	-----	-----	-----	-----	-----	-----	-----	31.16	18.70
21.0	1.0	1201	0	1.6	2.3	0.41	0.071	1.4	-----	-----	-----	30.84	18.70
21.0	2.0	1201	0	-----	-----	-----	-----	-----	-----	-----	-----	31.27	18.70
21.0	5.0	1201	0	-----	-----	-----	-----	-----	-----	-----	-----	31.31	18.69
21.0	10.0	1201	0	-----	-----	-----	-----	-----	-----	-----	-----	31.34	18.59
21.0	18.0	1201	0	-----	-----	-----	-----	-----	-----	-----	-----	31.39	18.41

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	5	0.40	-0.067	20.750	0.279

LOCATION: SOUTH BAY CHANNEL
DATE: 26 AUGUST 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
32.0	1.0	750	-1	3.1	2.2	0.59	0.113	3.2	1.96	1.76	-----	28.94	22.29
31.0	0.0	800	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.90	21.55
31.0	1.0	800	-1	-----	-----	-----	0.103	2.8	1.96	1.77	-----	30.01	21.59
31.0	2.0	800	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.13	21.61
31.0	5.0	800	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.72	21.68
31.0	10.0	800	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.86	21.49
31.0	12.0	800	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.88	21.46
30.0	0.0	816	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.89	21.63
30.0	1.0	816	-1	2.6	2.0	0.57	0.096	2.5	1.76	1.75	-----	30.96	21.63
30.0	2.0	816	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.98	21.63
30.0	5.0	816	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.97	21.60
30.0	10.0	816	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.11	21.52
30.0	14.0	816	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.12	21.52
29.0	0.0	840	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.11	21.48
29.0	1.0	840	-1	1.9	2.0	0.49	0.085	2.0	1.55	1.71	-----	31.34	21.48
29.0	2.0	840	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.33	21.48
29.0	5.0	840	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.33	21.48
29.0	10.0	840	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.39	21.46
29.0	13.0	840	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.40	21.46
28.0	0.0	857	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.54	21.25
28.0	1.0	857	-1	-----	-----	-----	0.083	1.9	1.49	1.67	-----	31.59	21.26
28.0	2.0	857	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.58	21.26
28.0	5.0	857	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.58	21.26
28.0	10.0	857	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.62	21.24
28.0	14.0	857	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.63	21.22
27.0	0.0	910	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.61	21.04
27.0	1.0	910	-1	2.1	1.3	0.61	0.085	2.0	1.55	1.72	-----	31.70	21.05
27.0	2.0	910	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.69	21.05
27.0	5.0	910	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.70	21.05
27.0	10.0	910	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.72	21.06
27.0	15.0	910	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.72	21.05
26.0	0.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	20.98
26.0	1.0	924	-1	-----	-----	-----	0.079	1.8	1.68	1.84	-----	31.77	20.98
26.0	2.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	20.98
26.0	5.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.78	20.98
26.0	10.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.79	20.98
26.0	12.0	924	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.79	20.98
25.0	0.0	943	1	-----	-----	-----	-----	-----	-----	-----	-----	31.50	20.94
25.0	1.0	943	1	-----	-----	-----	0.076	1.6	1.76	1.77	-----	31.74	20.94
25.0	2.0	943	1	-----	-----	-----	-----	-----	-----	-----	-----	31.72	20.94
25.0	5.0	943	1	-----	-----	-----	-----	-----	-----	-----	-----	31.75	20.95
25.0	10.0	943	1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	20.94
24.0	0.0	1005	1	-----	-----	-----	-----	-----	-----	-----	-----	31.58	20.48
24.0	1.0	1005	1	1.2	2.0	0.38	0.069	1.3	2.22	1.93	-----	31.81	20.48
24.0	2.0	1005	1	-----	-----	-----	-----	-----	-----	-----	-----	31.80	20.48
24.0	5.0	1005	1	-----	-----	-----	-----	-----	-----	-----	-----	31.82	20.45
24.0	8.0	1005	1	-----	-----	-----	-----	-----	-----	-----	-----	31.83	20.45
23.0	0.0	1024	1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	19.88

LOCATION: SOUTH BAY CHANNEL
 DATE: 26 AUGUST 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
23.0	1.0	1024	1	-----	-----	-----	0.074	1.5	1.96	1.78	-----	31.85	19.87
23.0	2.0	1024	1	-----	-----	-----	-----	-----	-----	-----	-----	31.85	19.84
23.0	5.0	1024	1	-----	-----	-----	-----	-----	-----	-----	-----	31.85	19.83
23.0	10.0	1024	1	-----	-----	-----	-----	-----	-----	-----	-----	31.85	19.83
22.0	0.0	1047	1	-----	-----	-----	-----	-----	-----	-----	-----	31.73	20.33
22.0	1.0	1047	1	-----	-----	-----	0.073	1.5	1.96	2.16	-----	31.77	20.30
22.0	2.0	1047	1	-----	-----	-----	-----	-----	-----	-----	-----	31.79	20.25
22.0	5.0	1047	1	-----	-----	-----	-----	-----	-----	-----	-----	31.80	20.13
22.0	10.0	1047	1	-----	-----	-----	-----	-----	-----	-----	-----	31.80	19.90
22.0	15.0	1047	1	-----	-----	-----	-----	-----	-----	-----	-----	31.80	19.87
21.0	0.0	1108	1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	19.05
21.0	1.0	1108	1	1.9	2.1	0.48	0.081	1.8	1.96	1.93	-----	31.77	19.05
21.0	2.0	1108	1	-----	-----	-----	-----	-----	-----	-----	-----	31.78	19.04
21.0	5.0	1108	1	-----	-----	-----	-----	-----	-----	-----	-----	31.78	19.04
21.0	10.0	1108	1	-----	-----	-----	-----	-----	-----	-----	-----	31.78	19.01
21.0	17.0	1108	1	-----	-----	-----	-----	-----	-----	-----	-----	31.79	18.95

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	6	0.98	-1.720	43.886	0.114
EXCOF vs NEPHELOMETRY	12	0.36	1.318	0.940	0.184

LOCATION: SOUTH BAY CHANNEL
DATE: 1 SEPT 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
32.0	0.0	754	1	-----	-----	-----	-----	-----	-----	-----	-----	31.54	21.94
32.0	1.0	754	1	3.4	0.8	0.80	0.129	3.4	1.06	1.11	-----	31.64	21.95
32.0	2.0	754	1	-----	-----	-----	-----	-----	-----	-----	-----	31.64	21.96
32.0	5.0	754	1	-----	-----	-----	-----	-----	-----	-----	-----	31.64	21.96
32.0	10.0	754	1	-----	-----	-----	-----	-----	-----	-----	-----	31.64	21.96
32.0	12.0	754	1	-----	-----	-----	-----	-----	-----	-----	-----	31.64	21.96
31.0	0.0	810	1	-----	-----	-----	-----	-----	-----	-----	-----	31.54	21.82
31.0	1.0	810	1	2.8	1.2	0.70	0.116	3.1	1.06	1.10	-----	31.72	21.83
31.0	2.0	810	1	-----	-----	-----	-----	-----	-----	-----	-----	31.71	21.82
31.0	5.0	810	1	-----	-----	-----	-----	-----	-----	-----	-----	31.72	21.81
31.0	10.0	810	1	-----	-----	-----	-----	-----	-----	-----	-----	31.72	21.81
30.0	0.0	834	1	-----	-----	-----	-----	-----	-----	-----	-----	31.62	21.67
30.0	1.0	834	1	3.0	1.0	0.75	0.106	2.9	1.06	1.11	-----	31.78	21.67
30.0	2.0	834	1	-----	-----	-----	-----	-----	-----	-----	-----	31.79	21.65
30.0	5.0	834	1	-----	-----	-----	-----	-----	-----	-----	-----	31.85	21.52
30.0	10.0	834	1	-----	-----	-----	-----	-----	-----	-----	-----	31.87	21.42
30.0	17.0	834	1	-----	-----	-----	-----	-----	-----	-----	-----	31.87	21.42
29.0	0.0	858	1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	21.30
29.0	1.0	858	1	2.6	1.0	0.73	0.084	2.3	1.15	1.15	-----	31.87	21.30
29.0	2.0	858	1	-----	-----	-----	-----	-----	-----	-----	-----	31.86	21.30
29.0	5.0	858	1	-----	-----	-----	-----	-----	-----	-----	-----	31.88	21.27
29.0	10.0	858	1	-----	-----	-----	-----	-----	-----	-----	-----	31.90	21.22
29.0	16.0	858	1	-----	-----	-----	-----	-----	-----	-----	-----	31.93	21.21
28.0	0.0	915	1	-----	-----	-----	-----	-----	-----	-----	-----	31.80	21.14
28.0	1.0	915	1	2.3	1.2	0.66	0.078	2.1	1.24	1.31	-----	31.90	21.14
28.0	2.0	915	1	-----	-----	-----	-----	-----	-----	-----	-----	31.90	21.13
28.0	5.0	915	1	-----	-----	-----	-----	-----	-----	-----	-----	31.91	21.12
28.0	10.0	915	1	-----	-----	-----	-----	-----	-----	-----	-----	31.93	20.98
28.0	17.0	915	1	-----	-----	-----	-----	-----	-----	-----	-----	31.95	20.64
27.0	0.0	930	1	-----	-----	-----	-----	-----	-----	-----	-----	31.84	20.97
27.0	1.0	930	1	2.6	1.5	0.63	0.088	2.4	1.44	1.38	-----	31.93	20.94
27.0	2.0	930	1	-----	-----	-----	-----	-----	-----	-----	-----	31.93	20.93
27.0	5.0	930	1	-----	-----	-----	-----	-----	-----	-----	-----	31.94	20.90
27.0	10.0	930	1	-----	-----	-----	-----	-----	-----	-----	-----	31.93	20.81
27.0	14.0	930	1	-----	-----	-----	-----	-----	-----	-----	-----	31.93	20.76
26.0	0.0	945	1	-----	-----	-----	-----	-----	-----	-----	-----	31.13	20.68
26.0	1.0	945	1	2.1	1.1	0.66	0.074	2.1	1.49	1.62	-----	31.94	20.64
26.0	2.0	945	1	-----	-----	-----	-----	-----	-----	-----	-----	31.93	20.61
26.0	5.0	945	1	-----	-----	-----	-----	-----	-----	-----	-----	31.94	20.60
26.0	10.0	945	1	-----	-----	-----	-----	-----	-----	-----	-----	31.94	20.57
25.0	0.0	1005	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.80	20.88
25.0	1.0	1005	-1	1.9	1.7	0.53	0.075	2.1	1.85	1.71	-----	31.87	20.82
25.0	2.0	1005	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.89	20.78
25.0	5.0	1005	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.89	20.67
25.0	9.0	1005	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.89	20.67
24.0	0.0	1022	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.73	20.79
24.0	1.0	1022	-1	1.3	1.6	0.46	0.068	1.9	1.61	1.76	-----	31.81	20.56
24.0	2.0	1022	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.82	20.49

LOCATION: SOUTH BAY CHANNEL
DATE: 1 SEPT 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR			
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP	
24.0	5.0	1022	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.85	20.30	
24.0	10.0	1022	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.82	20.10	
23.0	0.0	1040	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.80	20.50	
23.0	1.0	1040	-1	1.5	1.6	0.49	0.064	1.8	1.68	1.72	-----	31.84	20.09	
23.0	2.0	1040	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.86	19.91	
23.0	5.0	1040	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.85	19.56	
23.0	10.0	1040	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.84	19.33	
23.0	20.0	1040	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.85	19.12	
22.0	0.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.74	19.81	
22.0	1.0	1100	-1	3.0	1.2	0.72	0.074	2.0	1.61	1.38	-----	31.76	19.40	
22.0	2.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.81	19.10	
22.0	5.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.81	18.96	
22.0	10.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.76	18.80	
22.0	18.0	1100	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.78	18.78	
21.0	0.0	1115	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.65	19.87	
21.0	1.0	1115	-1	1.5	1.3	0.54	0.065	1.8	1.61	1.53	-----	31.72	19.18	
21.0	2.0	1115	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.79	19.00	
21.0	5.0	1115	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	18.94	
21.0	10.0	1115	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.76	18.85	
21.0	18.0	1115	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	18.75	

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	12	0.63	0.166	25.495	0.429
EXCOF vs NEPHELOMETRY	12	0.84	0.525	2.681	0.117

LOCATION: SOUTH BAY CHANNEL

DATE: 17 SEPT 1987

STATN	DEPTH	TIME	TIDE	DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR				CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
32.0	0.0	800	1	-----	-----	-----	-----	-----	-----	-----	-----	31.47	20.24
32.0	1.0	800	1	1.6	1.5	0.51	0.096	1.5	1.31	1.62	-----	31.67	20.24
32.0	2.0	800	1	-----	-----	-----	-----	-----	-----	-----	-----	31.66	20.24
32.0	5.0	800	1	-----	-----	-----	-----	-----	-----	-----	-----	31.66	20.24
32.0	10.0	800	1	-----	-----	-----	-----	-----	-----	-----	-----	31.67	20.24
31.0	0.0	815	1	-----	-----	-----	-----	-----	-----	-----	-----	31.66	20.19
31.0	1.0	815	1	-----	-----	-----	0.087	1.5	1.49	1.71	-----	31.78	20.19
31.0	2.0	815	1	-----	-----	-----	-----	-----	-----	-----	-----	31.78	20.18
31.0	5.0	815	1	-----	-----	-----	-----	-----	-----	-----	-----	31.78	20.18
31.0	10.0	815	1	-----	-----	-----	-----	-----	-----	-----	-----	31.79	20.19
30.0	0.0	836	1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	19.91
30.0	1.0	836	1	1.7	2.3	0.42	0.079	1.5	1.96	2.03	-----	31.91	19.92
30.0	2.0	836	1	-----	-----	-----	-----	-----	-----	-----	-----	31.91	19.91
30.0	5.0	836	1	-----	-----	-----	-----	-----	-----	-----	-----	31.91	19.89
30.0	10.0	836	1	-----	-----	-----	-----	-----	-----	-----	-----	31.92	19.91
30.0	15.0	836	1	-----	-----	-----	-----	-----	-----	-----	-----	31.92	19.92
29.0	0.0	905	1	-----	-----	-----	-----	-----	-----	-----	-----	31.94	19.58
29.0	1.0	905	1	-----	-----	-----	0.080	1.5	2.58	2.84	-----	31.95	19.57
29.0	2.0	905	1	-----	-----	-----	-----	-----	-----	-----	-----	31.95	19.57
29.0	5.0	905	1	-----	-----	-----	-----	-----	-----	-----	-----	31.95	19.56
29.0	10.0	905	1	-----	-----	-----	-----	-----	-----	-----	-----	31.95	19.54
29.0	16.0	905	1	-----	-----	-----	-----	-----	-----	-----	-----	31.95	19.53
28.0	0.0	923	1	-----	-----	-----	-----	-----	-----	-----	-----	31.96	19.29
28.0	1.0	923	1	-----	-----	-----	0.072	1.5	2.22	2.52	-----	32.01	19.28
28.0	2.0	923	1	-----	-----	-----	-----	-----	-----	-----	-----	32.02	19.25
28.0	5.0	923	1	-----	-----	-----	-----	-----	-----	-----	-----	32.01	19.23
28.0	10.0	923	1	-----	-----	-----	-----	-----	-----	-----	-----	32.01	19.24
28.0	17.0	923	1	-----	-----	-----	-----	-----	-----	-----	-----	32.00	19.25
27.0	0.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	31.99	19.45
27.0	1.0	938	1	1.1	2.6	0.29	0.072	1.5	2.58	2.20	-----	32.04	19.31
27.0	2.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	32.04	19.26
27.0	5.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	32.03	19.21
27.0	10.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	32.03	19.19
27.0	15.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	32.03	19.19
26.0	0.0	953	1	-----	-----	-----	-----	-----	-----	-----	-----	31.91	19.54
26.0	1.0	953	1	-----	-----	-----	0.070	1.5	2.58	2.31	-----	32.03	19.42
26.0	2.0	953	1	-----	-----	-----	-----	-----	-----	-----	-----	32.02	19.41
26.0	5.0	953	1	-----	-----	-----	-----	-----	-----	-----	-----	32.02	19.41
26.0	10.0	953	1	-----	-----	-----	-----	-----	-----	-----	-----	32.02	19.41
25.0	0.0	1014	1	-----	-----	-----	-----	-----	-----	-----	-----	32.05	19.79
25.0	1.0	1014	1	-----	-----	-----	0.070	1.5	2.58	2.17	-----	32.09	19.65
25.0	2.0	1014	1	-----	-----	-----	-----	-----	-----	-----	-----	32.07	19.61
25.0	5.0	1014	1	-----	-----	-----	-----	-----	-----	-----	-----	32.05	19.60
25.0	10.0	1014	1	-----	-----	-----	-----	-----	-----	-----	-----	32.05	19.61
24.0	0.0	1033	1	-----	-----	-----	-----	-----	-----	-----	-----	31.79	18.99
24.0	1.0	1033	1	1.2	2.3	0.35	0.067	1.5	1.96	1.94	-----	31.84	18.84
24.0	2.0	1033	1	-----	-----	-----	-----	-----	-----	-----	-----	31.83	18.78
24.0	5.0	1033	1	-----	-----	-----	-----	-----	-----	-----	-----	31.81	18.78

LOCATION: SOUTH BAY CHANNEL
DATE: 17 SEPT 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
24.0	10.0	1033	1	-----	-----	-----	-----	-----	-----	-----	-----	31.82	18.81
24.0	12.0	1033	1	-----	-----	-----	-----	-----	-----	-----	-----	31.82	18.81
23.0	0.0	1051	1	-----	-----	-----	-----	-----	-----	-----	-----	31.59	18.33
23.0	1.0	1051	1	-----	-----	-----	0.065	1.5	1.96	1.92	-----	31.60	18.27
23.0	2.0	1051	1	-----	-----	-----	-----	-----	-----	-----	-----	31.61	18.22
23.0	5.0	1051	1	-----	-----	-----	-----	-----	-----	-----	-----	31.63	18.20
23.0	10.0	1051	1	-----	-----	-----	-----	-----	-----	-----	-----	31.63	18.21
23.0	17.0	1051	1	-----	-----	-----	-----	-----	-----	-----	-----	31.67	18.25
22.0	0.0	1109	0	-----	-----	-----	-----	-----	-----	-----	-----	31.58	18.29
22.0	1.0	1109	0	-----	-----	-----	0.072	1.5	1.61	1.70	-----	31.66	18.12
22.0	2.0	1109	0	-----	-----	-----	-----	-----	-----	-----	-----	31.64	18.04
22.0	5.0	1109	0	-----	-----	-----	-----	-----	-----	-----	-----	31.63	17.99
22.0	10.0	1109	0	-----	-----	-----	-----	-----	-----	-----	-----	31.68	17.95
22.0	15.0	1109	0	-----	-----	-----	-----	-----	-----	-----	-----	31.78	17.81
22.0	20.0	1109	0	-----	-----	-----	-----	-----	-----	-----	-----	31.80	17.80
21.0	0.0	1125	0	-----	-----	-----	-----	-----	-----	-----	-----	31.49	18.46
21.0	1.0	1125	0	1.8	1.2	0.60	0.058	1.5	1.76	1.62	-----	31.75	18.06
21.0	2.0	1125	0	-----	-----	-----	-----	-----	-----	-----	-----	31.78	17.89
21.0	5.0	1125	0	-----	-----	-----	-----	-----	-----	-----	-----	31.78	17.83
21.0	10.0	1125	0	-----	-----	-----	-----	-----	-----	-----	-----	31.79	17.81
21.0	18.0	1125	0	-----	-----	-----	-----	-----	-----	-----	-----	31.79	17.81

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	5	0.00	1.447	0.352	0.374
EXCOF vs NEPHELOMETRY	12	0.69	1.054	1.612	0.270

LOCATION: SOUTH BAY CHANNEL

DATE: 1 OCTOBER 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
32.0	0.0	744	1	-----	-----	-----	-----	-----	-----	-----	-----	31.35	19.99
32.0	1.0	744	1	1.7	1.5	0.53	0.085	1.8	1.61	1.66	-----	31.54	19.99
32.0	2.0	744	1	-----	-----	-----	-----	-----	-----	-----	-----	31.55	19.99
32.0	5.0	744	1	-----	-----	-----	-----	-----	-----	-----	-----	31.68	19.95
32.0	10.0	744	1	-----	-----	-----	-----	-----	-----	-----	-----	31.69	19.95
31.0	0.0	800	1	-----	-----	-----	-----	-----	-----	-----	-----	31.63	19.71
31.0	1.0	800	1	-----	-----	-----	0.072	1.8	1.55	1.58	-----	31.77	19.72
31.0	2.0	800	1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	19.71
31.0	5.0	800	1	-----	-----	-----	-----	-----	-----	-----	-----	31.78	19.70
31.0	10.0	800	1	-----	-----	-----	-----	-----	-----	-----	-----	31.81	19.68
31.0	13.0	800	1	-----	-----	-----	-----	-----	-----	-----	-----	31.81	19.69
30.0	0.0	822	1	-----	-----	-----	-----	-----	-----	-----	-----	31.84	19.17
30.0	1.0	822	1	1.7	1.5	0.52	0.075	1.8	1.61	1.68	-----	31.89	19.19
30.0	2.0	822	1	-----	-----	-----	-----	-----	-----	-----	-----	31.90	19.18
30.0	5.0	822	1	-----	-----	-----	-----	-----	-----	-----	-----	31.91	19.12
30.0	10.0	822	1	-----	-----	-----	-----	-----	-----	-----	-----	31.90	19.14
30.0	16.0	822	1	-----	-----	-----	-----	-----	-----	-----	-----	31.93	19.12
29.0	0.0	849	1	-----	-----	-----	-----	-----	-----	-----	-----	31.39	19.08
29.0	1.0	849	1	1.6	2.0	0.44	0.071	1.8	2.22	2.10	-----	31.91	19.10
29.0	2.0	849	1	-----	-----	-----	-----	-----	-----	-----	-----	31.89	19.10
29.0	5.0	849	1	-----	-----	-----	-----	-----	-----	-----	-----	31.94	19.06
29.0	10.0	849	1	-----	-----	-----	-----	-----	-----	-----	-----	31.99	19.00
29.0	16.0	849	1	-----	-----	-----	-----	-----	-----	-----	-----	32.00	18.98
28.0	1.0	907	1	-----	-----	-----	0.070	1.8	1.76	1.86	-----	31.08	19.40
27.0	0.0	924	1	-----	-----	-----	-----	-----	-----	-----	-----	31.83	19.08
27.0	1.0	924	1	1.9	1.8	0.52	0.066	1.8	1.96	2.03	-----	32.07	19.08
27.0	2.0	924	1	-----	-----	-----	-----	-----	-----	-----	-----	32.06	19.08
27.0	5.0	924	1	-----	-----	-----	-----	-----	-----	-----	-----	32.08	19.09
27.0	10.0	924	1	-----	-----	-----	-----	-----	-----	-----	-----	32.11	19.09
27.0	14.0	924	1	-----	-----	-----	-----	-----	-----	-----	-----	32.11	19.10
26.0	0.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	31.59	18.86
26.0	1.0	938	1	-----	-----	-----	0.066	1.8	2.22	2.24	-----	32.08	18.86
26.0	2.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	32.06	18.86
26.0	5.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	32.09	18.86
26.0	10.0	938	1	-----	-----	-----	-----	-----	-----	-----	-----	32.12	18.84
25.0	0.0	959	0	-----	-----	-----	-----	-----	-----	-----	-----	31.95	19.14
25.0	1.0	959	0	-----	-----	-----	0.064	1.8	1.96	2.00	-----	32.08	19.15
25.0	2.0	959	0	-----	-----	-----	-----	-----	-----	-----	-----	32.07	19.15
25.0	5.0	959	0	-----	-----	-----	-----	-----	-----	-----	-----	32.09	19.15
25.0	9.0	959	0	-----	-----	-----	-----	-----	-----	-----	-----	32.10	19.17
24.0	0.0	1018	0	-----	-----	-----	-----	-----	-----	-----	-----	31.58	18.03
24.0	1.0	1018	0	1.7	1.4	0.55	0.058	1.9	1.96	1.85	-----	31.82	18.04
24.0	2.0	1018	0	-----	-----	-----	-----	-----	-----	-----	-----	31.82	18.03
24.0	5.0	1018	0	-----	-----	-----	-----	-----	-----	-----	-----	31.82	18.04
24.0	10.0	1018	0	-----	-----	-----	-----	-----	-----	-----	-----	31.84	18.05
24.0	12.0	1018	0	-----	-----	-----	-----	-----	-----	-----	-----	31.84	18.05
23.0	0.0	1033	0	-----	-----	-----	-----	-----	-----	-----	-----	31.64	17.66
23.0	1.0	1033	0	-----	-----	-----	0.053	1.9	1.76	1.77	-----	31.74	17.64

LOCATION: SOUTH BAY CHANNEL

DATE: 1 OCTOBER 1987

STATN	DEPTH	TIME	TIDE	DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR				CHL A	PHAEO	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
23.0	2.0	1033	0	-----	-----	-----	-----	-----	-----	-----	-----	31.74	17.57
23.0	5.0	1033	0	-----	-----	-----	-----	-----	-----	-----	-----	31.74	17.49
23.0	10.0	1033	0	-----	-----	-----	-----	-----	-----	-----	-----	31.75	17.40
23.0	20.0	1033	0	-----	-----	-----	-----	-----	-----	-----	-----	31.73	17.27
22.0	0.0	1049	0	-----	-----	-----	-----	-----	-----	-----	-----	31.42	16.87
22.0	1.0	1049	0	-----	-----	-----	0.062	1.8	1.76	1.69	-----	31.63	16.86
22.0	2.0	1049	0	-----	-----	-----	-----	-----	-----	-----	-----	31.63	16.84
22.0	5.0	1049	0	-----	-----	-----	-----	-----	-----	-----	-----	31.66	16.80
22.0	10.0	1049	0	-----	-----	-----	-----	-----	-----	-----	-----	31.73	16.81
22.0	17.0	1049	0	-----	-----	-----	-----	-----	-----	-----	-----	31.82	16.67
21.0	0.0	1105	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.54	17.12
21.0	1.0	1105	-1	2.2	1.3	0.63	0.070	1.8	1.76	1.66	-----	31.54	17.11
21.0	2.0	1105	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.56	17.07
21.0	5.0	1105	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.70	16.70
21.0	10.0	1105	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.84	16.54
21.0	15.0	1105	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.95	16.37
21.0	20.0	1105	-1	-----	-----	-----	-----	-----	-----	-----	-----	32.07	16.18

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	6	0.02	2.073	-3.787	0.250
EXCOF vs NEPHELOMETRY	12	0.88	0.949	1.741	0.081

LOCATION: SOUTH BAY CHANNEL
DATE: 28 OCT 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
32.0	0.0	923	-1	-----	-----	-----	-----	-----	-----	-----	-----	29.99	19.12
32.0	1.0	923	-1	1.3	1.5	0.46	0.064	1.9	1.39	1.41	-----	30.26	19.09
32.0	2.0	923	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.49	19.06
32.0	5.0	923	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.65	18.99
32.0	10.0	923	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.09	18.91
31.0	0.0	951	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.48	19.16
31.0	1.0	951	-1	1.4	1.1	0.57	0.063	1.8	-----	1.36	-----	30.55	19.14
31.0	2.0	951	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.91	19.00
31.0	5.0	951	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.15	18.89
31.0	10.0	951	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.36	18.77
31.0	13.0	951	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.39	18.75
30.0	0.0	1010	-1	-----	-----	-----	-----	-----	-----	-----	-----	30.98	18.97
30.0	1.0	1010	-1	1.0	0.8	0.56	0.057	1.5	1.31	1.36	-----	31.16	18.82
30.0	2.0	1010	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.29	18.76
30.0	5.0	1010	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.52	18.67
30.0	10.0	1010	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.59	18.59
30.0	16.0	1010	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.61	18.56
29.0	0.0	1036	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.37	18.85
29.0	1.0	1036	-1	1.2	1.1	0.54	0.056	1.4	1.49	1.43	-----	31.49	18.68
29.0	2.0	1036	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.61	18.58
29.0	5.0	1036	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.70	18.52
29.0	10.0	1036	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.76	18.47
29.0	15.0	1036	-1	-----	-----	-----	-----	-----	-----	-----	-----	31.77	18.46
28.0	0.0	1054	0	-----	-----	-----	-----	-----	-----	-----	-----	31.65	18.75
28.0	1.0	1054	0	1.8	0.9	0.66	0.062	1.7	1.49	1.41	-----	31.73	18.55
28.0	2.0	1054	0	-----	-----	-----	-----	-----	-----	-----	-----	31.80	18.47
28.0	5.0	1054	0	-----	-----	-----	-----	-----	-----	-----	-----	31.82	18.44
28.0	10.0	1054	0	-----	-----	-----	-----	-----	-----	-----	-----	31.87	18.34
28.0	17.0	1054	0	-----	-----	-----	-----	-----	-----	-----	-----	31.89	18.32
27.0	0.0	1110	1	-----	-----	-----	-----	-----	-----	-----	-----	31.85	18.90
27.0	1.0	1110	1	2.2	1.3	0.63	0.069	2.1	1.49	1.48	-----	31.89	18.73
27.0	2.0	1110	1	-----	-----	-----	-----	-----	-----	-----	-----	31.91	18.58
27.0	5.0	1110	1	-----	-----	-----	-----	-----	-----	-----	-----	31.91	18.47
27.0	10.0	1110	1	-----	-----	-----	-----	-----	-----	-----	-----	31.92	18.45
27.0	13.0	1110	1	-----	-----	-----	-----	-----	-----	-----	-----	31.92	18.44
26.0	0.0	1138	1	-----	-----	-----	-----	-----	-----	-----	-----	31.08	18.91
26.0	1.0	1138	1	2.7	0.8	0.77	0.066	2.0	1.39	1.43	-----	31.85	18.70
26.0	2.0	1138	1	-----	-----	-----	-----	-----	-----	-----	-----	31.88	18.50
26.0	5.0	1138	1	-----	-----	-----	-----	-----	-----	-----	-----	31.87	18.47
26.0	10.0	1138	1	-----	-----	-----	-----	-----	-----	-----	-----	31.88	18.47
25.0	0.0	1159	1	-----	-----	-----	-----	-----	-----	-----	-----	31.79	19.10
25.0	1.0	1159	1	1.5	1.2	0.57	0.058	1.5	1.61	1.39	-----	31.84	18.90
25.0	2.0	1159	1	-----	-----	-----	-----	-----	-----	-----	-----	31.88	18.58
25.0	5.0	1159	1	-----	-----	-----	-----	-----	-----	-----	-----	31.88	18.52
25.0	9.0	1159	1	-----	-----	-----	-----	-----	-----	-----	-----	31.86	18.52
24.0	0.0	1219	1	-----	-----	-----	-----	-----	-----	-----	-----	31.34	17.52
24.0	1.0	1219	1	1.2	1.1	0.52	0.046	0.9	1.55	1.56	-----	31.39	17.40
24.0	2.0	1219	1	-----	-----	-----	-----	-----	-----	-----	-----	31.41	17.28

LOCATION: SOUTH BAY CHANNEL
DATE: 28 OCT 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAE0	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
24.0	5.0	1219	1	-----	-----	-----	-----	-----	-----	-----	-----	31.44	17.38
24.0	10.0	1219	1	-----	-----	-----	-----	-----	-----	-----	-----	31.46	17.43
24.0	12.0	1219	1	-----	-----	-----	-----	-----	-----	-----	-----	31.47	17.44
22.0	0.0	1259	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	16.60
22.0	1.0	1259	1	1.1	1.0	0.52	0.048	1.0	1.31	1.44	-----	31.32	16.60
22.0	2.0	1259	1	-----	-----	-----	-----	-----	-----	-----	-----	31.36	16.55
22.0	5.0	1259	1	-----	-----	-----	-----	-----	-----	-----	-----	31.53	16.32
22.0	10.0	1259	1	-----	-----	-----	-----	-----	-----	-----	-----	31.55	16.29
22.0	19.0	1259	1	-----	-----	-----	-----	-----	-----	-----	-----	31.55	16.29
21.0	0.0	1317	1	-----	-----	-----	-----	-----	-----	-----	-----	29.93	17.01
21.0	1.0	1317	1	2.1	1.1	0.66	0.065	1.9	1.24	1.36	-----	31.24	16.87
21.0	2.0	1317	1	-----	-----	-----	-----	-----	-----	-----	-----	31.34	16.70
21.0	5.0	1317	1	-----	-----	-----	-----	-----	-----	-----	-----	31.44	16.37
21.0	10.0	1317	1	-----	-----	-----	-----	-----	-----	-----	-----	31.68	16.10
21.0	18.0	1317	1	-----	-----	-----	-----	-----	-----	-----	-----	28.58	16.07

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	11	0.50	-1.499	52.273	0.406
EXCOF vs NEPHELOMETRY	10	0.24	1.039	1.213	0.109

LOCATION: SOUTH BAY CHANNEL

DATE: 17 NOVEMBER 1987

STATN				DISCR	DISCR	CHLA/		CALC	EXCOF	CALC	DISCR		
NUMBR	DEPTH	TIME	TIDE	CHL A	PHAE0	A+PHA	FLUOR	CHL A	(SD)	EXCOF	SALIN	SALIN	TEMP
32.0	0.0	825	1	-----	-----	-----	-----	-----	-----	-----	-----	30.92	15.70
32.0	1.0	825	1	0.8	2.2	0.27	0.062	0.7	1.96	1.98	-----	30.91	15.70
32.0	2.0	825	1	-----	-----	-----	-----	-----	-----	-----	-----	30.92	15.70
32.0	5.0	825	1	-----	-----	-----	-----	-----	-----	-----	-----	30.92	15.71
32.0	10.0	825	1	-----	-----	-----	-----	-----	-----	-----	-----	30.92	15.73
31.0	0.0	844	1	-----	-----	-----	-----	-----	-----	-----	-----	31.11	15.75
31.0	1.0	844	1	0.4	2.8	0.13	0.061	0.7	2.08	2.01	-----	31.11	15.75
31.0	2.0	844	1	-----	-----	-----	-----	-----	-----	-----	-----	31.11	15.75
31.0	5.0	844	1	-----	-----	-----	-----	-----	-----	-----	-----	31.11	15.75
31.0	10.0	844	1	-----	-----	-----	-----	-----	-----	-----	-----	31.10	15.75
31.0	12.0	844	1	-----	-----	-----	-----	-----	-----	-----	-----	31.10	15.76
30.0	0.0	910	1	-----	-----	-----	-----	-----	-----	-----	-----	31.25	15.79
30.0	1.0	910	1	-----	-----	-----	0.060	0.7	1.96	2.00	-----	31.25	15.79
30.0	2.0	910	1	-----	-----	-----	-----	-----	-----	-----	-----	31.25	15.79
30.0	5.0	910	1	-----	-----	-----	-----	-----	-----	-----	-----	31.24	15.80
30.0	10.0	910	1	-----	-----	-----	-----	-----	-----	-----	-----	31.28	15.78
30.0	14.0	910	1	-----	-----	-----	-----	-----	-----	-----	-----	31.28	15.78
29.0	0.0	939	1	-----	-----	-----	-----	-----	-----	-----	-----	31.50	15.92
29.0	1.0	939	1	-----	-----	-----	0.054	0.8	1.76	1.85	-----	31.53	15.92
29.0	2.0	939	1	-----	-----	-----	-----	-----	-----	-----	-----	31.53	15.91
29.0	5.0	939	1	-----	-----	-----	-----	-----	-----	-----	-----	31.53	15.91
29.0	10.0	939	1	-----	-----	-----	-----	-----	-----	-----	-----	31.53	15.91
29.0	14.0	939	1	-----	-----	-----	-----	-----	-----	-----	-----	31.52	15.89
28.0	1.0	959	1	-----	-----	-----	0.054	0.8	1.96	1.80	-----	30.39	15.79
27.0	0.0	1012	0	-----	-----	-----	-----	-----	-----	-----	-----	31.46	15.88
27.0	1.0	1012	0	0.8	1.2	0.39	0.050	0.9	1.68	1.72	-----	31.47	15.88
27.0	2.0	1012	0	-----	-----	-----	-----	-----	-----	-----	-----	31.47	15.88
27.0	5.0	1012	0	-----	-----	-----	-----	-----	-----	-----	-----	31.47	15.88
27.0	10.0	1012	0	-----	-----	-----	-----	-----	-----	-----	-----	31.47	15.87
27.0	12.0	1012	0	-----	-----	-----	-----	-----	-----	-----	-----	31.47	15.87
26.0	0.0	1032	0	-----	-----	-----	-----	-----	-----	-----	-----	-----	15.88
26.0	1.0	1032	0	-----	-----	-----	0.051	0.9	1.76	1.79	-----	31.33	15.88
26.0	2.0	1032	0	-----	-----	-----	-----	-----	-----	-----	-----	31.33	15.88
26.0	5.0	1032	0	-----	-----	-----	-----	-----	-----	-----	-----	31.33	15.88
26.0	8.0	1032	0	-----	-----	-----	-----	-----	-----	-----	-----	31.33	15.88
25.0	1.0	1051	0	-----	-----	-----	0.053	0.8	-----	1.83	-----	30.10	15.69
24.0	1.0	1103	0	1.1	2.5	0.30	0.057	0.8	-----	2.07	-----	29.79	15.37

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	4	0.08	1.551	-13.676	0.308
EXCOF vs NEPHELOMETRY	7	0.67	1.333	0.772	0.090

LOCATION: SOUTH BAY CHANNEL

DATE: 15 DECEMBER 1987

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL A	DISCR PHAEO	CHLA/ A+PHA	FLUOR	CALC CHL A	EXCOF (SD)	CALC EXCOF	DISCR SALIN	SALIN	TEMP
32.0	1.0	813	1	1.8	3.6	0.34	0.088	1.5	-----	-----	-----	28.94	9.58
31.0	1.0	823	1	-----	-----	-----	0.093	1.6	-----	-----	-----	29.14	9.92
30.0	1.0	846	0	1.6	4.0	0.29	0.088	1.5	-----	-----	-----	29.28	9.99
29.0	1.0	906	-1	-----	-----	-----	0.084	1.5	-----	-----	-----	29.30	10.27
28.0	1.0	918	-1	1.2	3.9	0.23	0.081	1.4	-----	-----	-----	29.30	10.42
27.0	1.0	927	-1	1.2	3.0	0.29	0.077	1.3	-----	-----	-----	29.28	10.47
26.0	1.0	937	-1	-----	-----	-----	0.070	1.2	-----	-----	-----	29.15	10.63
25.0	1.0	952	-1	-----	-----	-----	0.065	1.1	-----	-----	-----	28.81	10.78
24.0	1.0	1006	-1	1.1	3.4	0.25	0.071	1.2	-----	-----	-----	28.76	10.95
23.0	1.0	1015	-1	-----	-----	-----	0.060	1.1	-----	-----	-----	28.78	11.11
22.0	1.0	1028	-1	-----	-----	-----	0.046	0.8	-----	-----	-----	28.91	11.37
21.0	1.0	1036	-1	0.9	1.6	0.36	0.045	0.8	-----	-----	-----	28.90	11.32

REGRESSION	N	R^2	A	B	Syx
CHL A vs FLUORESCENCE	6	0.70	-0.022	17.804	0.207