PLANKTON STUDIES IN SAN FRANCISCO BAY. I.

CHLOROPHYLL DISTRIBUTIONS AND HYDROGRAPHIC PROPERTIES OF THE SAN FRANCISCO BAY ESTUARY, JULY 1977 - DECEMBER 1979

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CONTENTS

TABLES

FIGURES

APPENDIX

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ABSTRACT

This report summarizes the distribution of phytoplankton biomass and selected hydrographic properties measured in the San Francisco Bay Estuary, on a near-monthly basis, from July 1977 through December 1979. Parameters measured were: chlorophyll *a*, phaeopigments, *in-vivo* fluorescence, turbidity, size distribution of phytoplankton, salinity and temperature.

INTRODUCTION

Data are presented to summarize results of near-monthly surveys of water quality in the San Francisco Bay (SFB) estuary from July 1977 through December 1979. Continuous measurements of salinity, temperature, turbidity (nephelometry), and in-vivo fluorescence were made in near-surface waters of the main shipping channel, usually from the southern extremity of South San Francisco Bay to the Sacramento River at Rio Vista. At fixed locations, these same parameters were measured at 3-6 depths of the water column, light attenuation was measured over the photic depth, and chlorophyll a, phaeopigments and size distribution of fluorescent particles (phytoplankton) were measured in discrete samples collected near the surface. Discrete measurements of salinity, temperature, light extinction, in-vivo fluorescence, chlorophyll a, phaeopigments and size distribution of fluorescent particles were made at fixed locations in the shoals, lateral to the main channel. Locations of sampling stations in the channel and shoals are given in Tables 1 and 2. Sampling dates and general study areas for each survey are given in Table 3. Results of concurrent studies of hydrography (Smith and Herndon 1980, 1981), phytoplankton and zooplankton species composition and abundance are summarized in Wong and Cloern (1981) and Hutchinson (1981).

METHODS

Sampling System.

Sampling sites are shown in Figure 1 and identified in Table 1 by the universal transverse mercator (UTM) system (shortened to include

only significant digits). Station positions were determined using radar and visual sightings of local landmarks or in the case of some shoal stations, timed runs between buoys.

The main channel stations (Table 1) were sampled from the R/V POLARIS using one of two sampling modes, one for longitudinal or surface profiling and one for vertical profiling. In the surface profiling mode water was pumped from a through-the-hull fitting located near the bow of the vessel at a depth of approximately one meter. For vertical profiling a submersible pump was lowered to obtain samples from depth.

The pumped sample was directed through various instruments (see below) for continuous analyses: salinity, temperature, in-vivo fluorescence and turbidity (nephelometry). At select stations discrete samples were collected from the pumped water as it exited the continuous instrumentation. The discrete samples were taken for measurement of chlorophyll a, phaeopigments and phytoplankton size distribution. Light attenuation was determined while at anchor.

Shoal stations (Table 2) were sampled from a Boston Whaler In-situ measurements of salinity, temperature, light extinction (Secchi depth) and water depth were made. Bottle samples were taken for analysis of chlorophyll a, phaeopigments and phytoplankton size distributions.

The following descriptions of each separate analysis are divided into three sections: main channel station analysis, shoal station analysis and discrete analyses that were independent of collection site.

Main Channel Analysis.

Salinity (SAL) was measured continuously with a flow-sample electrodeless induction salinometer (Schemel and Dedini, 1979). For calibration, 6 to 12 discrete samples were collected over the encountered salinity range each cruise and analyzed with a high-precision (± 0.003 ppt) Beckman[R] salinometer[1/] calibrated with Copenhagen water. The mean discrepancy between continuous and discrete analysis was ± 0.09 ppt (standard deviation = 0.10, n = 154).

Temperature (TEMP) was measured by probes inserted into the sample stream (Schemel and Dedini, 1979). The probes are linearized thermistor elements, calibrated at ice point and near 20° C. Temperature measurements are accurate within ± 0.2° C.

In-vivo fluorescence (ONLIN FLUOR) was measured continuously using a Turner Designs[R] Model 10 fluorometer. Linear regressions of measured chlorophyll a against in-vivo fluorescence were used to determine a calculated chlorophyll a (CALC CHL a) for each fluorescence reading (CALC CHL a = a_1 + b_1·fluorescence). Distinct linear regressions were determined for the South Bay (generally included Stations 36-19) and the North Bay (generally included Stations 19-657). Regression and correlation coefficients are presented at the bottom of each data summary. These regression and correlation coefficients are presented to show how well (or poorly) these parameters correlate and how variable the correlation can be. Caution should be exercised in using calculated chlorophyll a valves when the correlation coefficient (r^2) is less than 0.70.

1/ The mention of brand names is for identification purposes and does not constitute endorsement by the U.S. Geological Survey.

Attenuation of the photosynthetically active radiation in the water column was determined at vertical sampling stations in the main channel using a LiCor^{R} 192S quantum sensor. The sensor is cosine corrected and sensitive to radiant energy between 400-700 nm, the range of energy utilized in photosynthesis. Quanta measurements were recorded at 6-7 depths over the photic zone. Quantum fluxes were fitted to an exponential function of depth, and the exponential coefficient corresponds to the light extinction coefficient (MEAS EXCOF) of the water column.

Continuous measures of turbidity were made using a Turner Designs^{R} Model 10 fluorometer equipped with a 10-033 nephelometry attachment (Schemel and Dedini, 1979). Regressions of measured extinction coefficient against nephelometer value for each sampling station were used to calculate extinction coefficients (CALC EXCOF) from continuous nephelometer output (CALC EXCOF = $a_2 + b_2$.nephelometer value). Separate linear regressions were calculated for the South and North Bay. Again, caution should be exercised when using calculated values where the correlation coefficient is less than 0.70.

Shoal Analysis.

Salinity (SAL) and temperature (TEMP) were measured at approximately 0.5 m below the surface and 0.5 m above the bottom with a Beckman^{R} RS5-3 or a CM^{2} 516^{R} conductivity-temperature probe. Discrete samples were taken at 2 to 3 stations each cruise to calibrate the measurements. Salinity samples were analyzed with a high precision Beckman^{R} salinometer. The mean discrepancy between the portable conductivity-temperature probe and discrete analysis was $\pm$ 0.84 pp+

(standard deviation = 0.88, n = 20). Periodically, temperature was measured simultaneously with the conductivity-temperature probe and the thermistor on the R/V POLARIS. The readings were within $\pm$ 0.5°C of each other.

Discrete fluorescence (DISCR FLUOR) measurements were made on the samples collected from the shoal transects. Turner Designs® Model 10 or Turner Model® 111 fluorometers equipped for in-vivo chlorophyll fluorescence were used for these measurements. Since two different fluorometers were used during these cruises, the fluorescence values and regression coefficients are not comparable between cruise dates. For general comparisons, where discrete chlorophyll a measurements are not available, calculated chlorophyll a (CALC CHL a) values should be used.

A Secchi disk was used to measure the attenuation of light at the shoal stations. The extinction coefficient (EXCOF) was calculated as $\frac{1.5}{d}$ where d is the Secchi depth in meters (Perkins, 1975).

The depth at each station (WATER DEPTH) was estimated by sounding.

Analyses Common to Channel and Shoal Stations.

Samples for chlorophyll a (DISCR CHL a) and phaeopigments (DISCR PHAEO) were collected from the pumped sample stream as it exited from the fluorometer or from bottle samples collected with the small boat. The sample was filtered at less than 10 psi through a Gelman® glass fiber filter coated with $MgCO_3$. The filter was then ground in 90 percent acetone with a teflon tissue grinder while immersed in an ice

bath. After extraction for 2-8 hours in a refrigerator, the samples were centrifuged and analyzed with a Varian® 635D spectrophotometer. Part of the chlorophyll analysis went through some modifications during the time period of this report that may be of significance in the accuracy of our determinations. The first change came about on July 31, 1978, when we changed our spectrophotometer cuvette from a 1-cm to a 5-cm small volume cuvette. With 1-cm cuvettes, absorbances were less than 0.1 when chlorophyll a concentrations were low. The 5-cm cuvette increases sensitivity and obviates errors inherent in low absorbance measurements. The other methodology change involves the acidification of the chlorophyll extract for phaeopigment measurement. Beginning January 1979 we incorporated Reimann's (1978) recommendations by acidifying with HCl to a final concentration in the extract of 3×10^{-3}M. Prior to that time we followed Lorenzen's (1967) method and used two drops of 1N HCl. This gave us a higher molarity of acid than the recommendations by Reimann and may have caused interferences in our measurements.

Chlorophyll a and phaeopigment values were determined using Lorenzen's (1967) equations. In 1977 and 1978, some negative phaeopigment values were calculated. Obviously, such values are not real and are most probably a result of the two problems mentioned previously: low absorbances and acid concentration.

At various times throughout this study replicate (five) samples were taken to determine the precision of our chlorophyll a measurements. The coefficient of variation (mean/standard deviation) was always less than 10 percent.

Chlorophyll a concentration divided by chlorophyll a concentration plus phaeopigment concentrations (CHL a/a + PHA) is an estimate of proportion of chlorophyll a to phaeopigment.

The size distribution of phytoplankton was measured on discrete samples by fluorometry. Aliquots (50 mL) from a pumped sample were gravity filtered through a 22-μ Nitex^{R} screen, a 5-μ Nuclepore^{R} and a 0.45-μ Gelman^{R} A/E glass-fiber filter. Fluorescence of each filtrate was measured on a Turner Designs^{R} Model 10 fluorometer after blanking the instrument with distilled water. Fluorescence values of the filtrates were related to the fluorescence of the total algal population and reported as percent of the total. Total particulate (phytoplankton) fluorescence was determined by subtracting the fluorescence of the dissolved phase (0.45-μ filtrate) from the fluorescence of an unfiltered aliquot. Percent netplankton (PRCNT NET) is the percent of total particulate fluorescence retained by the 22-μ screen. Percent nanoplankton (PRCNT NANO) is the percent of total particulate fluorescence retained by the 5-μ filter but passing through the 22-μ screen. Percent ultraplankton (PRNCT ULTRA) is the percent of total particulate fluorescence passing the 5-μ filter. The percent of the total in-vivo fluorescence contributed by substances passing the 0.45-μ filter is reported as percent blank (PRCNT BLANK). Table 4 shows the equations for these calculations.

Tidal phase (TIDE) was noted by visual observation and recorded as flood (+1), slack (0) and ebb (-1).

All times (TIME) are local time, either Pacific Daylight or Pacific Standard Time.

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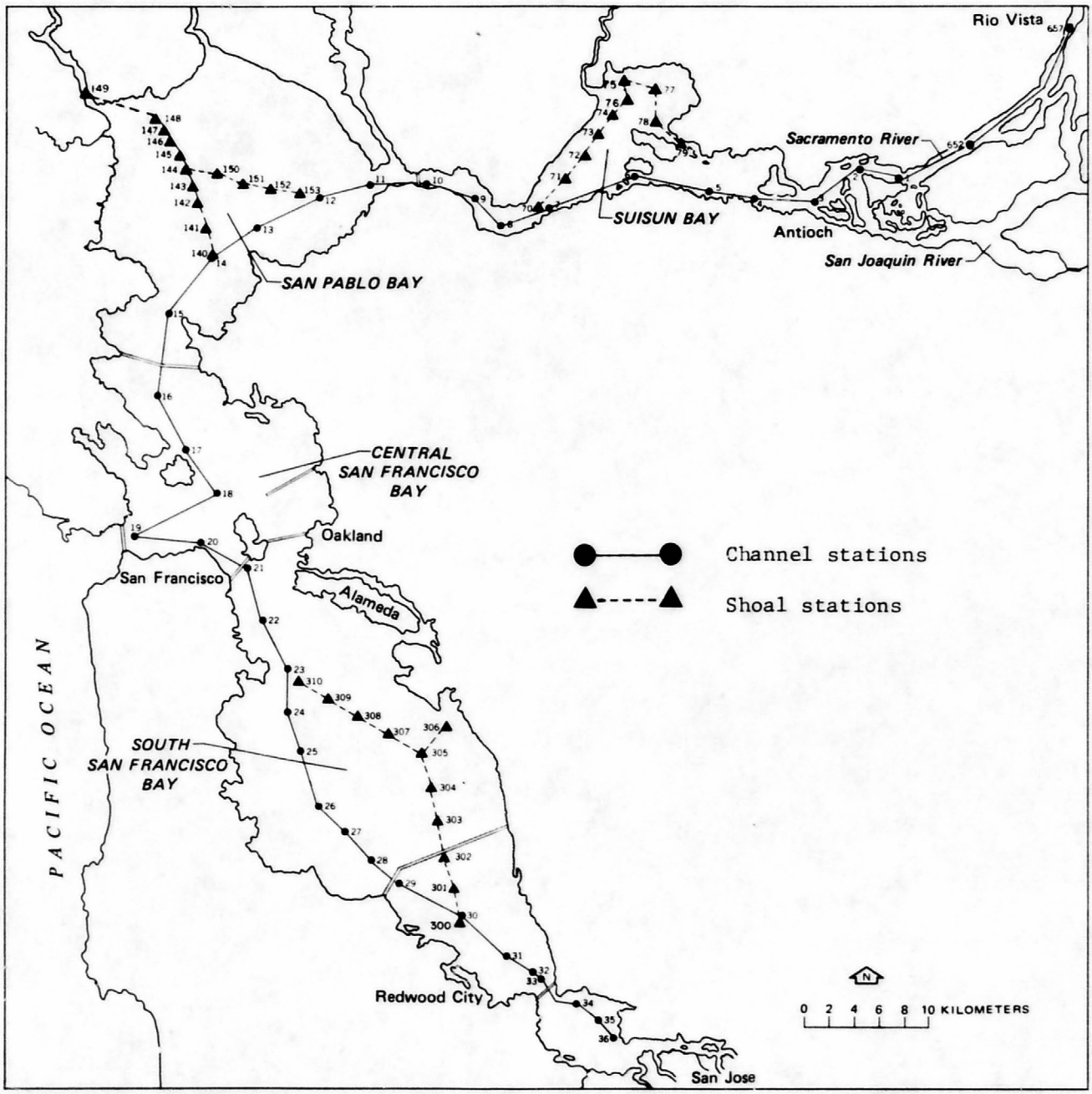

Figure 1. Map of San Francisco Bay estuary showing location of water sampling stations.

TABLE 1. SAN FRANCISCO BAY CHANNEL STATIONS

Station Number	UTM Location N.	E.	Name	N. Latitude		W. Longitude	
North Bay							
662	231.6	616.1	Prospect Island	38°	13.6'	121°	40.4'
659	225.5	616.8	Old. Sac. River		10.7'		40.0'
657	222.9	614.9	Rio Vista		8.9'		41.3'
652	216.4	610.6	Toland's Landing		5.2'		44.8'
1	210.7	601.8	Winter Is.		2.4'		50.4'
2	213.2	600.4	Chain Is.		3.8'		51.3'
3	211.8	598.4	Pittsburg		3.0'		52.7'
4	211.5	593.4	Simmons Pt.		2.9'		56.1'
5	212.8	589.5	Middle Ground		3.6'		58.8'
6	213.3	584.7	Roe Is.		3.9'	122°	2.1'
7	211.3	579.3	Avon Pier		2.9'		5.8'
8	209.3	574.5	Martinez		1.8'		9.1'
9	211.4	572.5	Benicia		3.0'		10.4'
10	212.5	569.5	Crockett		3.6'		12.5'
11	212.7	564.6	Mare Is.		3.7'		15.8'
12	211.6	560.4	Hercules		3.1'		18.7'
13	209.3	555.7	N. of Pinole Pt.		1.9'		21.9'
14	206.7	552.5	W. of Pinole Pt.		0.5'		24.1'
15	202.4	549.5	Pt. San Pablo	37°	58.2'		26.2'
16	196.3	548.3	Red Rock		54.9'		27.0'
17	192.6	550.6	Raccoon Str.		52.9'		25.6'
18	189.3	553.1	Berkeley Pier		51.1'		23.8'
19	185.6	546.5	Golden Gate		49.1'		28.3'
911	177.9	527.2	Light Ship		45.0'		41.5'
South Bay							
20	185.4	552.4	Blossom Rock		49.0'		24.3'
21	183.6	555.5	Bay Bridge		48.0'		22.2'
22	179.4	556.5	Potrero Pt.		45.7'		21.5'
23	175.5	558.5	Hunters Pt.		43.6'		20.2'
24	172.5	558.3	Candlestick Pt.		42.0'		20.3'
25	169.4	559.5	Oyster Pt.		40.3'		19.5'
26	165.4	560.5	San Bruno Shoal		38.2'		19.0'
27	163.4	562.5	San Francisco Airport		37.1'		17.5'
28	161.5	564.4	N. San Mateo Br.		36.0'		16.2'
29	159.5	566.7	S. San Mateo Br.		34.9'		14.8'
30	156.5	571.4	Redwood Cr.		33.3'		11.5'
31	153.8	574.5	Coyote Hills		31.8'		9.4'
32	152.5	576.5	Ravenswood Pt.		31.1'		8.1'
33	151.6	577.5	Dumbarton Br.		30.6'		7.4'
34	149.8	580.6	Newark Slough		29.6'		5.3'
35	148.5	581.5	Palo Alto		28.9'		4.7'
36	147.4	582.7	Calaveras Pt.		28.3'		3.8'

TABLE 2. SAN FRANCISCO BAY SHOAL STATIONS

Station Number	UTM Location N.	E.	Name	N. Latitude		W. Longitude	
South Bay Transect							
300	156.3	570.9	marker 2, Redwood Creek	37°	33.2'	122°	11.8'
301	159.1	571.4			34.7'		11.5'
302	161.7	571.9	San Mateo Bridge		36.1'		11.1'
303	164.3	570.9			37.5'		11.8'
304	166.9	569.7			38.9'		12.6'
305	169.5	568.6	marker 2, San Lorenzo		40.3'		13.3'
306	171.0	570.4			41.1'		12.1'
307	170.6	566.3			40.9'		14.9'
308	172.0	563.9			41.7'		16.5'
309	173.3	561.4			42.4'		18.2'
310	174.6	559.2	marker EX-A		43.1'		19.7'
San Pablo Bay							
140	207.1	551.4	marker 5	37°	00.7'	122°	24.9'
141	209.3	551.0			01.9'		25.1'
142	211.3	550.7	marker 2		03.0'		25.3'
143	212.2	550.3	marker 4		03.5'		25.6'
144	213.7	550.3	marker 6		04.3'		25.6'
145	214.6	549.7	marker 8		04.8'		26.0'
146	215.6	549.1	marker 10		05.3'		26.4'
147	216.7	548.5	marker 12		05.9'		26.8'
148	217.6	547.8	marker 14		06.4'		27.3'
149	218.7	543.5	auto bridge, Petaluma River		07.0'		30.2'
150	213.2	552.9			04.0'		23.8'
151	212.8	555.6			03.8'		22.0'
152	212.7	558.2			03.7'		20.2'
153	212.1	560.8	marker 13		03.4'		18.4'
Suisun Bay							
70	211.2	577.2	marker 1	38°	02.8'	122°	07.2'
71	213.4	579.1	marker 4		04.0'		05.9'
72	215.1	580.5	marker 6		04.9'		04.9'
73	216.7	581.8	marker 8		05.8'		04.0'
74	218.0	582.7	marker 9		06.5'		03.4'
75	219.0	584.3	dolphin		07.0'		02.4'
76	220.6	583.7	dolphin		07.9'		02.7'
77	220.1	585.3			07.6'		01.6'
78	216.7	585.8	Pt. Buckler		05.8'		01.3'
79	215.3	588.0	tires		05.0'	121°	59.8'

TABLE 3. CRUISE DATES AND GENERAL SAMPLING AREAS

Date		Location	Stations Occupied	Verticals
1977	July 11	South Bay	36-20	--
		North Bay	19-659	--
	September 27	South Bay	36-20	--
		North Bay	19-657	--
	November 9	South Bay	36-911	36,32,30,27,24,21,19,911
	November 10	North Bay	18-662	17,15,12,9,6,3,652,657
	December 8	South Bay	36-19	--
		North Bay	17-657	--
1978	January 4	South Bay	32-19	--
		North Bay	17-657	15,9,6
	February 16	South Bay	32-20	--
		North Bay	19-657	--
		Suisun Bay	70-78	--
	March 14	South Bay	36-19	36,32,30,27,24,21,19
	March 15	North Bay	18-657	17,15,12,9,6,3,657
		San Pablo Bay	140-152	--
	March 16	North and South Bay	8-24	--
	March 20	South Bay	32-24	32,30,27,24
	April 5	South Bay	32-19	32,30,27,24,21,19
		North Bay	17-9	17,15,12,9
	May 24	South Bay	36-30	36,32,30
	May 25	South Bay	30-19	30,27,24,21,19
		North Bay	17-3	17,15,12,9,6,3
		San Pablo Bay	140-153	--
		Suisun Bay	70-78	--
	June 14	South Bay	36-19	36,32,30,27,24,21,19
	June 15	North Bay	17-657	17,15,12,9,6,3,657
		San Pablo Bay	140-153	--
		Suisun Bay	70-79	--
	July 12	South Bay	36-19	36,30,27,24,21,19
	July 13	North Bay	18-2	17,15,12,9,6,3
		San Pablo Bay	140-153	--
		Suisun Bay	70-79	--

TABLE 3. (cont'd.)

1978	July 31	South Bay	36-19	36,32,30,27,24,21,19
	August 1	North Bay	17-657	17,15,12,9,6,3
	September 5	South Bay	30-19	--
		North Bay	19-652	--
		Suisun Bay	70-79	
	September 12	South Bay	30-21	--
		North Bay	18-3	--
	September 19	South Bay	36-21	36,32,30,27,24,21
		North Bay	17-657	--
		San Pablo Bay	140-153	--
		Suisun Bay	70-79	--
	September 20	North Bay	657-19	657,3,6,9,12,15,17,19
	October 11	South Bay	36-19	36,32,30,27,24,21,19
	October 12	North Bay	17-3	17,15,12,9,6,3
		San Pablo Bay	140-153	--
		Suisun Bay	70-79	--
	November 8	South Bay	36-19	36,32,30,27,24,21,19
		South Bay Transect	300-310	--
		North Bay	17-657	--
		San Pablo Bay	140-153	
	November 9	North Bay	657-17	657,3,6,9,12,15,17
		Suisun Bay	70-80	--
	December 5	South Bay	36-31	36,32
	December 14	South Bay	36-19	36,32,30,27,24,21,19
		South Bay Transect	300-310	--
		North Bay	17-4	--
		San Pablo Bay	140-153	
	December 15	North Bay	3-19	3,6,9,12,15,17,19
		Suisun Bay	70-79	--
1979	January 15	South Bay	36-19	36,32,30,27,24,21
		North Bay	17-4	--
	January 16	North Bay	3-19	3,6,9,12,15,17,19
		South Bay Transect	300-310	--
		San Pablo Bay	140-153	
	February 13	South Bay	36-19	36,32,30,27,24,21
		North Bay	17-4	--

TABLE 3. (cont'd.)

1979	February 14	North Bay	3-19	3,6,9,12,15,17,19
		South Bay	20-30	--
	March 5	South Bay	36-19	36,32,30,27,24,21,19
		South Bay Transect	300-310	--
		North Bay	17-4	--
	March 6	North Bay	3-17	3,6,9,12,15,17
		San Pablo Bay	140-153	--
		Suisun Bay	70-79	--
		South Bay	20-30	--
	April 2	South Bay	36-19	36,32,30,27,24,21,19
		South Bay Transect	300-308	--
		North Bay	18-3	--
	April 3	North Bay	3-17	3,6,9,12,15,17
		San Pablo Bay	140-153	--
		Suisun Bay	70-80	--
		South Bay	18-30	--
	May 8	South Bay	36-19	36,32,30,27,24,21,19
		North Bay	17-4	
	May 9	North Bay	3-19	3,6,9,12,15,17,19
		South Bay	20-30	--
	June 4	South Bay	36-19	36,32,30,27,24,21,19
		South Bay Transect	300-310	--
		North Bay	17-6	--
	June 5	North Bay	652-19	3,6,9,12,15,17,19
		Suisun Bay	70-80	--
		South Bay	20-30	--
	July 9	South Bay	36-19	36,32,30,27,24,21,19
		South Bay Transect	300-310	--
		North Bay	17-4	--
	July 10	North Bay	652-19	3,6,9,12,15,17,19
		San Pablo Bay	142-153	--
		Suisun Bay	70-80	--
		South Bay	20-29	--
	August 13	South Bay	32-19	32,30,27,24,21,19
		South Bay Transect	300-306	--
		North Bay	17-657	--
	August 14	North Bay	657-19	3,6,9,12,15,17,19
		Suisun Bay	70-80	--
		South Bay	20-30	--

TABLE 3, (cont'd.)

1979	August 17	South Bay	36-30	--
	September 14	South Bay	30-23	--
		South Bay Transect	300-310	--
	September 17	South Bay	36-19	36,32,30,27,24,21,19
		South Bay Transect	300-310	--
		North Bay	17-4	--
	September 18	North Bay	3-19	3,6,9,12,15,17,19
		San Pablo Bay	140-153	--
		Suisun Bay	70-80	--
		South Bay	20-30	--
	October 15	South Bay	36-19	36,32,27,24,21,19
		North Bay	17-4	--
	October 16	North Bay	652-18	3,6,9,12,15,17
		South Bay	20-30	--
	November 13	South Bay	36-19	36,32,30,27,24,21,19
		North Bay	17-4	--
	November 15	North Bay	3-17	3,6,9,12,15,17
	December 5	South Bay	36-19	36,32,30,27,24,21,19
		North Bay	18-4	--
	December 7	North Bay	4-17	6,9,12,15,17

TABLE 4. SIZE FRACTION FLUORESCENCE CALCULATIONS

Terms

Total = Fluorescence of the unfiltered sample

Soluble = Fluorescence of the 0.45-μ filtrate

Particulate = Total fluorescence - Soluble fluorescence

22-μ filtrate' = Fluorescence of the 22-μ filtrate - Soluble

5-μ filtrate' = Fluorescence of the 5-μ filtrate - Soluble

Equations

$$\text{Percent Blank} = \frac{\text{Soluble}}{\text{Total}} \times 100$$

$$\text{Percent Ultra} = \frac{\text{5-}\mu\text{ filtrate}'}{\text{Particulate}} \times 100$$

$$\text{Percent Nano} = \frac{\text{22-}\mu\text{ filtrate}' - \text{5-}\mu\text{ filtrate}'}{\text{Particulate}} \times 100$$

$$\text{Percent Net} = (\text{Particulate} - \text{22-}\mu\text{ filtrate}') \times 100$$

APPENDIX A: BIOLOGICAL DATA SUMMARIES

TABLE 5. TABLE OF UNITS

Variable (abbreviation)	Units
station (STATN NUMBR)	
position (UTM-N & UTM-E)	kilometer
time (TIME)	local PST or PDT
depth at which sample was taken (DEPTH)	meters
water depth shoal stations (WATER DEPTH)	meters
measured chlorophyll a (DISCR CHL a)	µg/L
measured phaeopigments (DISCR PHAEO)	µg/L
fluorescence (ONLIN FLUOR) or (DISCR FLUOR)	
calculated chlorophyll a (CALC CHL a)	µg/L
percent netplankton fluorescence (PRCNT NETPL)	percent
percent nanoplankton fluorescence (PRCNT NANO)	percent
percent ultraplankton fluorescence (PRCNT ULTRA)	percent
percent nonphytoplankton fluorescence (PRCNT BLANK)	percent
measured extinction coefficient (MEAS EXCOF) or (EXCOF)	per meter
calculated extinction coefficient (CALC EXCOF)	per meter
salinity (SAL)	parts per thousand
temperature (TEMP)	degrees Celsius

Location: South SF Bay
Date: July 11, 1977

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	1.0	648	--	5.5	0.4	0.93	0.062	7.5	----	----	----	----	3.3	3.4	30.2	21.5
35	1.0	703	--	----	----	----	0.052	6.3	----	----	----	----	----	2.4	31.2	21.4
34	1.0	710	--	----	----	----	0.057	6.9	----	----	----	----	----	1.6	31.7	21.2
33	1.0	721	--	----	----	----	0.053	6.4	----	----	----	----	----	1.3	32.5	20.6
32	1.0	729	--	4.6	0.1	0.99	0.049	6.0	----	----	----	----	1.5	1.4	32.9	20.5
31	1.0	749	--	----	----	----	0.055	6.7	----	----	----	----	----	1.6	33.0	20.2
30	1.0	802	--	5.1	0.9	0.85	0.055	6.7	----	----	----	----	1.3	1.4	33.0	20.1
29	1.0	830	--	----	----	----	0.054	6.6	----	----	----	----	----	1.7	32.9	19.9
28	1.0	842	--	----	----	----	0.055	6.7	----	----	----	----	----	2.0	32.9	19.8
27	1.0	852	--	10.5	0.1	0.99	0.072	8.7	----	----	----	----	2.1	1.8	32.9	19.5
26	1.0	908	--	----	----	----	0.139	16.5	----	----	----	----	----	2.2	32.8	18.5
25	1.0	921	--	----	----	----	0.051	6.2	----	----	----	----	----	1.9	32.7	18.7
24	1.0	934	--	7.1	0.7	0.91	0.048	5.9	----	----	----	----	1.5	1.5	32.7	18.2
23	1.0	950	--	----	----	----	0.049	6.0	----	----	----	----	----	1.6	32.7	17.8
22	1.0	1002	--	----	----	----	0.046	5.6	----	----	----	----	----	1.0	32.6	17.3
21	1.0	1016	--	7.5	-0.3	1.05	0.046	5.6	----	----	----	----	0.8	1.0	32.7	17.1
20	1.0	1038	--	----	----	----	0.039	4.8	----	----	----	----	----	0.9	33.0	15.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.30	0.25	116.96	2.03
EXT COEFF vs NEPHELOMETER	6	0.95	0.53	4.20	0.22

Location: North SF Bay
Date: July 11, 1977

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
19	1.0	1058	--	8.9	-0.5	1.06	0.046	6.3	----	----	----	----	0.5	0.5	33.2	15.3
17	1.0	1126	--	9.2	-0.6	1.07	0.041	6.3	----	----	----	----	0.6	0.6	32.8	16.3
16	1.0	1142	--	----	----	----	0.043	6.3	----	----	----	----	----	0.5	32.7	16.6
15	1.0	1206	--	3.6	-1.0	1.40	0.032	6.2	----	----	----	----	0.8	0.7	33.3	18.6
14	1.0	1224	--	----	----	----	0.041	6.3	----	----	----	----	----	0.6	30.5	18.1
13	1.0	1236	--	----	----	----	0.038	6.2	----	----	----	----	----	0.7	30.2	18.2
12	1.0	1254	--	3.6	-0.7	1.26	0.031	6.2	----	----	----	----	0.8	0.8	28.4	19.1
11	1.0	1315	--	----	----	----	0.031	6.2	----	----	----	----	----	0.9	26.0	19.7
10	1.0	1327	--	----	----	----	0.036	6.2	----	----	----	----	----	0.7	25.7	19.6
9	1.0	1339	--	3.8	-0.9	1.30	0.031	6.2	----	----	----	----	0.8	0.8	24.4	19.8
8	1.0	1358	--	----	----	----	0.029	6.1	----	----	----	----	----	0.9	21.9	19.9
7	1.0	1413	--	----	----	----	0.030	6.1	----	----	----	----	----	1.3	20.1	20.2
6	1.0	1433	--	5.2	-0.8	1.18	0.130	7.1	----	----	----	----	0.9	0.9	17.2	20.5
5	1.0	1456	--	----	----	----	0.051	6.3	----	----	----	----	----	0.9	14.1	20.9
4	1.0	1510	--	----	----	----	0.047	6.3	----	----	----	----	----	2.2	11.2	20.8
3	1.0	1525	--	7.9	-0.5	1.07	0.058	6.4	----	----	----	----	2.3	2.4	9.3	21.4
2	1.0	1541	--	----	----	----	0.066	6.5	----	----	----	----	----	2.7	8.0	21.4
652	1.0	1612	--	----	----	----	0.055	6.4	----	----	----	----	----	3.3	3.4	21.2
657	1.0	1642	--	8.7	2.0	0.81	0.066	6.5	----	----	----	----	3.8	3.7	0.5	22.6
659	1.0	1706	--	----	----	----	0.074	6.6	----	----	----	----	----	3.7	0.2	22.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	8	0.01	5.88	9.14	2.74
EXT COEFF vs NEPHELOMETER	8	1.00	-0.02	6.40	0.07

Location: South SF Bay
Date: September 27, 1977

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	1.0	807	--	6.4	1.2	0.85	0.111	6.6	----	----	----	----	2.1	2.0	28.5	20.7
35	1.0	824	--	4.8	1.0	0.82	0.082	5.0	----	----	----	----	----	1.8	30.2	20.8
34	1.0	830	--	3.8	1.1	0.78	0.068	4.2	----	----	----	----	----	1.7	31.2	20.9
33	1.0	842	--	5.0	-1.2	1.31	0.055	3.5	----	----	----	----	----	1.1	32.1	20.9
32	1.0	849	--	2.8	-0.6	1.25	0.043	2.9	----	----	----	----	1.1	1.0	33.0	20.9
31	1.0	904	--	----	----	----	0.035	2.4	----	----	----	----	----	0.9	33.3	20.8
30	1.0	922	--	1.6	-1.0	2.86	0.025	1.9	----	----	----	----	0.9	0.8	33.7	20.6
29	1.0	946	--	1.0	1.1	0.48	0.024	1.8	----	----	----	----	----	1.5	33.9	20.3
28	1.0	955	--	----	----	----	0.021	1.6	----	----	----	----	----	1.3	34.0	20.1
27	1.0	1007	--	1.6	0.6	0.71	0.022	1.7	----	----	----	----	1.9	2.0	33.9	19.6
26	1.0	1024	--	----	----	----	0.025	1.9	----	----	----	----	----	2.0	33.8	19.6
25	1.0	1035	--	1.9	-0.1	1.07	0.025	1.9	----	----	----	----	----	1.7	33.9	19.7
24	1.0	1050	--	----	----	----	0.025	1.9	----	----	----	----	----	1.7	33.2	18.9
23	1.0	1110	--	1.9	0.0	0.99	0.027	2.0	----	----	----	----	----	1.3	33.0	18.1
22	1.0	1125	--	----	----	----	0.029	2.1	----	----	----	----	----	1.5	32.9	17.7
21	1.0	1132	--	2.2	0.7	0.77	0.029	2.1	----	----	----	----	0.8	1.0	32.9	17.1
20	1.0	1155	--	2.4	-0.3	1.13	0.029	2.1	----	----	----	----	----	0.8	33.0	17.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	12	0.89	0.46	55.52	0.59
EXT COEFF vs NEPHELOMETER	5	0.93	0.38	3.90	0.19

Location: North SF Bay
Date: September 27, 1977

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
19	1.0	1215	--	2.2	0.0	1.00	0.029	1.1	----	----	----	----	0.4	0.5	33.1	16.8
17	1.0	1242	--	2.4	-0.5	1.26	0.029	1.1	----	----	----	----	0.4	0.4	33.0	17.0
16	1.0	1301	--	2.2	0.2	0.91	0.031	1.6	----	----	----	----	----	0.7	32.7	17.2
15	1.0	1319	--	2.2	-0.1	1.05	0.035	2.4	----	----	----	----	1.4	0.9	31.9	17.9
14	1.0	1340	--	----	----	----	0.037	2.8	----	----	----	----	----	0.9	31.2	18.5
13	1.0	1349	--	2.6	-0.5	1.27	0.036	2.6	----	----	----	----	----	0.9	30.7	18.6
12	1.0	1407	--	----	----	----	0.033	2.0	----	----	----	----	1.4	1.5	29.4	18.9
11	1.0	1423	--	2.1	-0.3	1.19	0.034	2.2	----	----	----	----	----	1.1	27.1	19.2
10	1.0	1435	--	----	----	----	0.033	2.0	----	----	----	----	----	1.4	26.7	19.2
9	1.0	1445	--	----	----	----	0.032	1.8	----	----	----	----	1.7	1.6	26.6	19.1
8	1.0	1453	--	----	----	----	0.032	1.8	----	----	----	----	----	1.7	25.5	19.2
7	1.0	1512	--	1.5	0.4	0.77	0.033	2.0	----	----	----	----	----	2.0	22.2	19.4
6	1.0	1531	--	2.6	-0.3	1.14	0.039	3.3	----	----	----	----	1.7	1.9	18.4	19.6
5	1.0	1551	--	3.2	-0.7	1.26	0.045	4.6	----	----	----	----	----	1.5	15.2	19.9
4	1.0	1603	--	6.1	-0.5	1.09	0.060	7.8	----	----	----	----	----	3.2	11.0	20.4
3	1.0	1616	--	11.2	-1.1	1.11	0.069	9.7	----	----	----	----	2.5	2.7	10.1	20.5
2	1.0	1629	--	11.2	0.2	0.98	0.069	9.7	----	----	----	----	----	3.8	9.2	20.4
652	1.0	1657	--	10.9	2.6	0.81	0.075	11.0	----	----	----	----	----	5.1	5.1	20.2
657	1.0	1729	--	4.5	1.3	0.77	0.051	5.9	----	----	----	----	3.7	3.5	1.4	20.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	14	0.91	-5.10	214.80	1.13
EXT COEFF vs NEPHELOMETER	8	0.96	-0.01	5.50	0.24

Location: South SF Bay
Date: November 9, 1977

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	858	--	----	----	----	0.042	3.8	----	----	----	----	2.3	2.2	31.6	14.5
36	2.0	901	--	2.3	2.2	0.51	0.038	3.4	----	----	----	----	----	2.5	32.0	14.6
36	5.0	908	--	----	----	----	0.038	3.4	----	----	----	----	----	2.8	32.1	14.6
35	1.0	925	--	2.5	2.5	0.50	0.032	2.9	----	----	----	----	----	2.4	32.2	14.9
34	1.0	931	--	2.6	1.7	0.60	0.031	2.8	----	----	----	----	----	2.0	32.6	14.7
33	1.0	943	--	3.0	2.2	0.57	0.030	2.7	----	----	----	----	----	2.6	33.4	15.1
32	0.0	955	--	----	----	----	0.027	2.4	----	----	----	----	2.3	2.2	33.5	15.2
32	2.0	1000	--	2.5	1.9	0.57	0.028	2.5	----	----	----	----	----	2.7	33.4	15.1
32	5.0	1005	--	----	----	----	0.029	2.6	----	----	----	----	----	3.3	33.4	15.1
32	10.0	1011	--	----	----	----	0.036	3.2	----	----	----	----	----	6.0	33.4	15.1
30	0.0	1058	--	----	----	----	0.021	1.8	----	----	----	----	1.3	1.2	33.4	15.3
30	2.0	1100	--	2.5	0.1	0.95	0.022	1.9	----	----	----	----	----	1.6	33.4	15.0
30	5.0	1110	--	----	----	----	0.022	1.9	----	----	----	----	----	1.6	33.4	15.0
30	10.0	1115	--	----	----	----	0.023	2.0	----	----	----	----	----	2.0	33.4	15.0
29	1.0	1140	--	2.9	-1.1	1.61	0.023	2.0	----	----	----	----	----	1.4	33.6	15.3
28	1.0	1148	--	2.6	0.7	0.78	0.027	2.4	----	----	----	----	----	1.1	33.7	15.7
27	0.0	1204	--	----	----	----	0.024	2.1	----	----	----	----	1.1	0.9	33.7	15.8
27	2.0	1208	--	3.5	-0.4	1.14	0.031	2.8	----	----	----	----	----	1.1	33.7	15.7
27	5.0	1212	--	----	----	----	0.021	1.8	----	----	----	----	----	1.3	33.7	15.4
26	1.0	1229	--	3.3	0.1	0.96	0.028	2.5	----	----	----	----	----	1.0	33.7	15.9
25	1.0	1238	--	2.7	-0.1	1.06	0.025	2.2	----	----	----	----	----	0.9	33.3	15.9
24	0.0	1258	--	----	----	----	0.024	2.1	----	----	----	----	1.8	1.8	32.8	15.5
24	2.0	1301	--	2.2	1.3	0.63	0.025	2.2	----	----	----	----	----	2.2	32.8	15.5
24	5.0	1306	--	----	----	----	0.026	2.3	----	----	----	----	----	2.3	32.8	15.4
23	1.0	1320	--	2.1	1.2	0.64	0.027	2.4	----	----	----	----	----	2.0	32.8	15.4
22	1.0	1333	--	1.8	1.7	0.51	0.027	2.4	----	----	----	----	----	1.7	32.7	15.1
21	0.0	1346	--	----	----	----	0.026	2.3	----	----	----	----	1.2	1.5	32.5	15.1
21	2.0	1350	--	1.3	1.6	0.44	0.027	2.4	----	----	----	----	----	1.5	32.5	15.1
21	5.0	1356	--	----	----	----	0.028	2.5	----	----	----	----	----	1.6	32.5	15.1
21	10.0	1401	--	----	----	----	0.030	2.7	----	----	----	----	----	1.8	32.5	15.1
20	1.0	1424	--	----	----	----	0.032	2.9	----	----	----	----	----	1.8	32.6	14.6
19	2.0	1454	--	2.2	1.7	0.57	0.035	3.1	----	----	----	----	1.1	1.3	32.7	14.0
19	5.0	1451	--	----	----	----	0.057	5.2	----	----	----	----	----	1.4	32.7	13.8
19	10.0	1449	--	----	----	----	0.039	3.5	----	----	----	----	----	1.3	32.8	13.8
19	22.0	1445	--	----	----	----	0.040	3.6	----	----	----	----	----	1.6	32.8	13.7
0	1.0	1515	--	----	----	----	0.041	3.7	----	----	----	----	----	1.3	32.9	13.6
0	1.0	1530	--	----	----	----	0.045	4.1	----	----	----	----	----	1.0	33.1	13.1
911	2.0	1605	--	6.1	0.6	0.90	0.058	5.3	----	----	----	----	0.8	0.8	33.4	12.6
911	5.0	1602	--	----	----	----	0.063	5.7	----	----	----	----	----	0.8	33.5	12.3
911	10.0	1556	--	----	----	----	0.067	6.1	----	----	----	----	----	0.8	33.5	12.2
911	22.0	1552	--	----	----	----	0.051	4.6	----	----	----	----	----	0.6	33.7	11.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	17	0.56	-0.10	92.77	0.69
EXT COEFF vs NEPHELOMETER	8	0.92	0.44	4.09	0.17

Location: North SF Bay
Date: November 10, 1977

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
18	1.0	705	--	----	----	----	0.020	1.6	----	----	----	----	----	1.8	32.2	----
17	0.0	750	--	----	----	----	0.020	1.6	----	----	----	----	0.7	0.7	32.4	13.8
17	2.0	742	--	2.1	0.6	0.77	0.020	1.6	----	----	----	----	----	1.6	32.4	13.8
17	5.0	734	--	----	----	----	0.020	1.6	----	----	----	----	----	1.7	32.5	13.8
17	10.0	730	--	----	----	----	0.021	1.7	----	----	----	----	----	1.9	32.6	13.7
17	15.0	727	--	----	----	----	0.021	1.7	----	----	----	----	----	2.3	32.5	13.6
16	1.0	805	--	2.2	0.1	0.97	0.022	1.8	----	----	----	----	----	0.8	31.4	14.3
15	0.0	831	--	----	----	----	0.022	1.8	----	----	----	----	1.0	1.0	29.8	14.6
15	2.0	835	--	2.6	-0.7	1.34	0.023	1.8	----	----	----	----	----	1.0	29.8	14.6
15	5.0	844	--	----	----	----	0.022	1.8	----	----	----	----	----	1.0	30.8	14.4
15	10.0	847	--	----	----	----	0.022	1.8	----	----	----	----	----	1.0	30.8	14.4
14	1.0	913	--	2.2	0.1	0.95	0.023	1.8	----	----	----	----	----	1.0	30.2	14.5
13	1.0	923	--	2.2	-0.2	1.11	0.024	1.9	----	----	----	----	----	1.5	29.8	14.7
12	0.0	947	--	----	----	----	0.024	1.9	----	----	----	----	1.5	1.4	28.0	14.7
12	2.0	950	--	1.9	0.5	0.78	0.025	2.0	----	----	----	----	----	1.5	28.3	14.7
12	5.0	956	--	----	----	----	0.025	2.0	----	----	----	----	----	1.7	28.3	14.7
11	1.0	1024	--	1.4	1.1	0.56	0.025	2.0	----	----	----	----	----	1.1	25.1	14.8
10	1.0	1038	--	2.1	-0.1	1.03	0.026	2.0	----	----	----	----	----	1.0	24.8	14.9
9	0.0	1110	--	----	----	----	0.027	2.1	----	----	----	----	1.0	1.5	24.1	15.0
9	2.0	1114	--	1.9	0.3	0.86	0.028	2.1	----	----	----	----	----	1.6	24.3	15.0
9	5.0	1119	--	----	----	----	0.027	2.1	----	----	----	----	----	2.3	25.4	14.8
9	10.0	1123	--	----	----	----	0.028	2.2	----	----	----	----	----	2.6	25.7	14.8
8	1.0	1142	--	----	----	----	0.028	2.2	----	----	----	----	----	1.6	24.2	15.0
7	1.0	1154	--	1.4	1.0	0.58	0.030	2.3	----	----	----	----	----	1.7	22.2	15.2
6	0.0	1221	--	----	----	----	0.035	2.7	----	----	----	----	1.6	1.5	18.0	15.3
6	2.0	1224	--	1.7	0.5	0.76	0.036	2.7	----	----	----	----	----	1.7	18.6	15.2
6	5.0	1229	--	----	----	----	0.035	2.7	----	----	----	----	----	1.9	18.8	15.2
5	1.0	1252	--	2.2	0.8	0.74	0.042	3.1	----	----	----	----	----	1.5	12.9	15.2
4	1.0	1304	--	3.8	0.5	0.88	0.051	3.8	----	----	----	----	----	2.9	10.2	15.5
3	0.0	1322	--	----	----	----	0.058	4.2	----	----	----	----	1.9	1.8	9.9	15.4
3	2.0	1326	--	5.3	0.5	0.92	0.057	4.2	----	----	----	----	----	1.8	10.0	15.3
3	5.0	1331	--	----	----	----	0.050	3.7	----	----	----	----	----	2.5	10.6	15.2
3	10.0	1335	--	----	----	----	0.050	3.7	----	----	----	----	----	3.1	10.8	15.2
2	1.0	1352	--	3.6	1.0	0.78	0.051	3.8	----	----	----	----	----	2.2	9.6	15.2
652	0.0	1430	--	----	----	----	0.060	4.4	----	----	----	----	2.9	2.7	4.2	15.5
652	2.0	1434	--	4.4	1.1	0.81	0.057	4.2	----	----	----	----	----	2.8	4.2	15.5
652	5.0	1439	--	----	----	----	0.060	4.4	----	----	----	----	----	4.5	4.4	15.5
657	0.0	1518	--	----	----	----	0.052	3.8	----	----	----	----	3.0	3.2	1.6	14.9
657	2.0	1523	--	3.5	0.7	0.83	0.051	3.8	----	----	----	----	----	3.3	1.6	14.9
657	4.0	1529	--	----	----	----	0.051	3.8	----	----	----	----	----	3.4	1.7	14.9
659	1.0	1548	--	----	----	----	0.056	4.1	----	----	----	----	----	3.7	0.8	14.6
662	1.0	1612	--	----	----	----	0.066	4.8	----	----	----	----	----	4.2	0.3	14.3

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	17	0.71	0.26	68.57	0.62
EXT COEFF vs NEPHELOMETER	8	0.94	0.25	4.69	0.22

Location: South SF Bay
Date: December 8, 1977

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	1.0	725	--	3.2	0.6	0.84	-----	----	----	----	----	----	2.2	----	30.9	13.9
35	1.0	743	--	----	----	----	-----	----	----	----	----	----	----	----	31.9	13.9
34	1.0	750	--	2.6	0.4	0.88	-----	----	----	----	----	----	----	----	32.0	13.9
33	1.0	802	--	----	----	----	-----	----	----	----	----	----	----	----	32.5	13.9
32	1.0	819	--	1.6	0.2	0.89	-----	----	----	----	----	----	2.0	----	32.6	13.9
31	1.0	836	--	----	----	----	-----	----	----	----	----	----	----	----	32.9	13.8
30	1.0	848	--	1.1	-0.2	1.19	0.020	1.5	----	----	----	----	----	2.5	32.9	13.8
29	1.0	907	--	1.6	-0.3	1.19	0.024	2.2	----	----	----	----	----	2.7	32.8	13.7
28	1.0	916	--	----	----	----	0.023	2.0	----	----	----	----	----	2.0	32.9	13.7
27	1.0	924	--	----	----	----	0.023	2.2	----	----	----	----	----	2.2	32.9	13.6
26	1.0	935	--	----	----	----	0.023	2.2	----	----	----	----	----	1.9	32.6	13.6
25	1.0	946	--	----	----	----	0.021	1.7	----	----	----	----	----	1.9	32.0	13.2
24	1.0	1004	--	3.0	-0.8	1.36	0.023	2.2	----	----	----	----	1.0	1.0	31.9	13.0
23	1.0	1018	--	2.9	0.1	0.95	0.028	2.9	----	----	----	----	----	1.3	32.1	13.1
22	1.0	1030	--	8.0	0.0	1.01	0.059	8.9	----	----	----	----	----	0.8	32.4	12.2
21	1.0	1036	--	----	----	----	0.044	6.1	----	----	----	----	----	0.8	32.2	12.9
20	1.0	1046	--	8.7	0.2	0.98	0.057	8.5	----	----	----	----	----	0.8	32.3	12.2
19	1.0	1106	--	8.0	-0.6	1.08	0.049	7.0	----	----	----	----	0.6	0.6	32.6	12.3

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.95	-2.26	188.95	0.80
EXT COEFF vs NEPHELOMETER	2	1.00	0.17	7.09	0.00

Location: North SF Bay
Date: December 8, 1977

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1147	--	7.8	-0.9	1.13	0.056	7.5	----	----	----	----	0.7	0.7	32.1	12.3
16	1.0	1207	--	----	----	----	0.054	7.1	----	----	----	----	----	0.8	32.2	12.3
15	1.0	1251	--	2.4	-0.3	1.13	0.024	1.6	----	----	----	----	1.0	0.9	30.5	12.9
14	1.0	1423	--	----	----	----	0.026	1.9	----	----	----	----	----	1.0	27.5	13.4
13	1.0	1457	--	----	----	----	0.025	1.7	----	----	----	----	----	1.2	28.8	13.1
12	1.0	1528	--	1.9	-0.1	1.07	0.023	1.4	----	----	----	----	1.6	1.7	26.9	13.1
11	1.0	1629	--	----	----	----	0.023	1.4	----	----	----	----	----	2.0	25.7	13.2
9	1.0	1708	--	1.3	1.0	0.57	0.027	2.2	----	----	----	----	----	2.4	21.2	13.6
8	1.0	1721	--	----	----	----	0.028	2.3	----	----	----	----	----	1.8	19.9	13.6
7	1.0	1748	--	----	----	----	-----	----	----	----	----	----	----	1.7	16.9	13.5
6	1.0	1813	--	2.9	-0.4	1.17	0.032	3.0	----	----	----	----	----	2.0	13.6	13.6
5	1.0	1831	--	----	----	----	0.034	3.4	----	----	----	----	----	1.9	11.0	13.8
4	1.0	1847	--	----	----	----	0.034	3.4	----	----	----	----	----	2.1	9.3	13.8
3	1.0	1907	--	2.6	-0.3	1.14	0.033	3.2	----	----	----	----	----	2.2	6.7	13.9
2	1.0	1920	--	----	----	----	0.034	3.4	----	----	----	----	----	2.6	5.9	13.9
652	1.0	1959	--	----	----	----	0.030	2.7	----	----	----	----	----	3.1	2.0	12.6
657	1.0	2028	--	----	----	----	0.029	2.5	----	----	----	----	----	2.9	0.6	11.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.92	-2.91	186.23	0.77
EXT COEFF vs NEPHELOMETER	3	0.97	0.52	3.14	0.12

Location: South SF Bay
Date: January 4, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
32	1.0	702	--	1.1	-0.2	1.19	0.020	1.1	----	----	----	----	----	1.5	31.4	11.8
31	1.0	725	--	0.9	0.2	0.82	0.019	1.1	----	----	----	----	----	1.4	31.6	11.8
30	1.0	736	--	1.6	-0.5	1.43	0.018	1.1	----	----	----	----	1.4	1.4	31.6	11.8
29	1.0	756	--	1.4	0.0	0.99	0.019	1.1	----	----	----	----	----	1.3	31.6	11.8
28	1.0	806	--	1.1	-0.2	1.25	0.018	1.1	----	----	----	----	----	1.1	31.5	11.8
27	1.0	814	--	----	----	----	0.017	1.1	----	----	----	----	0.9	1.0	31.3	11.7
26	1.0	828	--	0.4	0.6	0.41	0.017	1.1	----	----	----	----	----	1.2	31.1	11.7
25	1.0	838	--	----	----	----	0.016	1.1	----	----	----	----	----	1.3	30.8	11.7
24	1.0	848	--	1.5	-1.0	3.33	0.016	1.1	----	----	----	----	1.4	1.3	30.4	11.8
23	1.0	901	--	----	----	----	0.016	1.1	----	----	----	----	----	0.9	30.3	11.9
22	1.0	913	--	----	----	----	0.015	1.1	----	----	----	----	----	0.8	30.8	11.8
21	1.0	919	--	1.0	0.2	0.86	0.015	1.1	----	----	----	----	----	0.9	30.8	11.8
20	1.0	933	--	----	----	----	0.015	1.1	----	----	----	----	----	0.6	30.3	11.8
19	1.0	947	--	1.1	-0.1	1.10	0.017	1.1	----	----	----	----	0.6	0.6	31.9	12.1

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	9	0.00	1.34	-12.71	0.39
EXT COEFF vs NEPHELOMETER	4	0.96	-0.53	10.34	0.09

Location: North SF Bay
Date: January 4,1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1033	--	1.3	0.0	1.04	0.017	1.3	----	----	----	----	----	2.2	30.8	11.8
16	1.0	1045	--	----	----	----	0.016	1.3	----	----	----	----	----	2.2	31.0	11.9
15	0.0	1127	--	----	----	----	0.025	1.3	----	----	----	----	2.3	2.0	25.6	11.2
15	2.0	1130	--	1.3	0.5	0.71	0.024	1.3	----	----	----	----	----	2.0	26.3	11.2
15	5.0	1134	--	----	----	----	0.020	1.3	----	----	----	----	----	2.0	28.8	11.6
14	1.0	1214	--	----	----	----	0.021	1.3	----	----	----	----	----	2.0	27.4	11.4
13	1.0	1220	--	----	----	----	0.023	1.3	----	----	----	----	----	2.3	27.6	11.4
12	1.0	1249	--	1.1	0.0	1.02	0.029	1.3	----	----	----	----	1.7	2.3	23.5	11.1
11	1.0	1315	--	----	----	----	0.029	1.3	----	----	----	----	----	2.3	23.7	11.1
10	1.0	1335	--	----	----	----	0.032	1.3	----	----	----	----	----	2.5	22.6	11.1
9	0.0	1348	--	----	----	----	0.033	1.3	----	----	----	----	2.5	2.5	22.5	11.1
9	2.0	1351	--	1.6	-0.7	1.79	0.035	1.3	----	----	----	----	----	2.6	22.5	11.3
9	5.0	1402	--	----	----	----	0.035	1.3	----	----	----	----	----	2.6	22.5	11.3
9	10.0	1405	--	----	----	----	0.036	1.3	----	----	----	----	----	2.6	22.4	11.3
9	15.0	1411	--	----	----	----	0.036	1.3	----	----	----	----	----	2.6	22.4	11.1
8	1.0	1447	--	----	----	----	0.040	1.3	----	----	----	----	----	2.5	17.1	11.1
7	1.0	1508	--	----	----	----	0.041	1.2	----	----	----	----	----	2.6	16.4	11.0
6	0.0	1540	--	----	----	----	0.045	1.2	----	----	----	----	3.0	2.6	12.2	10.9
6	2.0	1543	--	1.1	0.2	0.82	0.046	1.2	----	----	----	----	----	2.2	12.0	----
6	5.0	1547	--	----	----	----	0.045	1.2	----	----	----	----	----	2.8	13.0	----
5	1.0	1623	--	1.3	0.1	0.95	0.047	1.2	----	----	----	----	----	2.9	7.8	11.0
4	1.0	1640	--	----	----	----	0.049	1.2	----	----	----	----	----	3.4	6.3	10.9
3	1.0	1700	--	----	----	----	0.048	1.2	----	----	----	----	----	3.6	3.9	10.9
2	1.0	1716	--	----	----	----	0.048	1.2	----	----	----	----	----	3.5	3.2	10.9
652	1.0	1750	--	----	----	----	0.056	1.2	----	----	----	----	----	5.8	0.3	10.2
657	1.0	1823	--	----	----	----	0.052	1.2	----	----	----	----	----	4.8	0.1	10.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.01	1.32	-1.74	0.22
EXT COEFF vs NEPHELOMETER	4	0.28	1.93	1.52	0.57

Location: South SF Bay
Date: February 16, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
32	1.0	731	--	2.1	-0.9	1.79	0.036	2.5	----	----	----	----	1.4	1.4	17.7	11.2
31	1.0	746	--	2.6	-2.0	4.29	0.031	2.0	----	----	----	----	----	1.3	19.4	11.3
30	1.0	758	--	2.2	0.0	1.00	0.032	2.0	----	----	----	----	----	1.2	18.8	11.6
29	1.0	815	--	1.8	0.1	0.92	0.032	2.0	----	----	----	----	----	1.1	18.2	11.5
28	1.0	823	--	1.9	-1.0	2.14	0.029	1.7	----	----	----	----	----	1.1	18.7	11.5
27	1.0	831	--	2.8	-1.4	2.06	0.038	2.8	----	----	----	----	----	0.9	18.2	11.3
26	1.0	841	--	2.6	-0.7	1.34	0.035	2.4	----	----	----	----	----	0.9	18.9	11.6
25	1.0	850	--	1.4	-0.5	1.61	0.027	1.5	----	----	----	----	----	1.0	18.6	11.7
24	1.0	903	--	1.8	-0.5	1.36	0.028	1.6	----	----	----	----	1.0	1.0	17.9	11.4
23	1.0	935	--	1.1	-0.9	5.00	0.024	1.1	----	----	----	----	----	1.2	18.5	11.6
22	1.0	947	--	1.7	-0.3	1.24	0.030	1.8	----	----	----	----	----	1.1	15.6	11.4
21	1.0	954	--	0.9	-0.1	1.14	0.027	1.4	----	----	----	----	----	1.1	15.3	11.4
20	1.0	1006	--	----	----	----	0.026	1.4	----	----	----	----	----	1.2	16.7	11.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	12	0.69	-1.80	121.45	0.35
EXT COEFF vs NEPHELOMETER	2	1.00	-0.08	4.31	0.00

Location: North SF Bay
Date: February 16, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
19	1.0	1021	--	1.3	-0.3	1.3	0.025	1.4	----	----	----	----	1.1	1.0	20.6	11.9
17	1.0	1123	--	1.9	-1.0	2.1	0.037	1.6	----	----	----	----	1.5	1.4	9.8	10.7
16	1.0	1159	--	1.3	-1.1	5.7	0.030	1.5	----	----	----	----	----	1.5	11.3	11.4
15	1.0	1231	--	1.7	-0.9	2.3	0.037	1.6	----	----	----	----	1.9	1.9	7.5	11.1
14	1.0	1310	--	2.6	-1.9	3.8	0.043	1.7	----	----	----	----	----	3.6	4.3	10.7
13	1.0	1323	--	1.1	-1.0	7.1	0.033	1.5	----	----	----	----	----	2.3	7.9	11.1
12	1.0	1339	--	0.6	-0.4	2.9	0.039	1.6	----	----	----	----	6.3	6.7	6.2	10.7
11	1.0	1437	--	2.9	-3.1	-12.9	0.045	1.8	----	----	----	----	----	9.8	6.0	10.7
10	1.0	1501	--	1.3	-0.6	1.9	0.051	1.9	----	----	----	----	----	12.5	1.6	10.2
9	1.0	1519	--	1.6	-1.2	4.3	0.054	1.9	----	----	----	----	13.5	13.6	1.0	10.1
8	1.0	1558	--	1.6	-1.2	4.3	0.052	1.9	----	----	----	----	----	14.2	0.2	9.7
7	1.0	1607	--	----	----	----	0.050	1.9	----	----	----	----	----	13.1	0.2	9.9
6	1.0	1707	--	0.6	-0.6	0.0	0.047	1.8	----	----	----	----	11.8	11.5	0.1	9.9
5	1.0	1747	--	----	----	----	0.044	1.7	----	----	----	----	----	11.0	0.1	9.7
4	1.0	1804	--	----	----	----	0.045	1.8	----	----	----	----	----	11.9	0.1	9.5
3	1.0	1821	--	2.6	-3.0	-5.7	0.041	1.7	----	----	----	----	----	1.1	0.1	9.4
2	1.0	1853	--	----	----	----	0.043	1.7	----	----	----	----	----	1.2	0.1	9.7
652	1.0	1929	--	2.6	-2.6	0.0	0.049	1.8	----	----	----	----	----	1.4	0.2	10.0
657	1.0	2000	--	----	----	----	0.041	1.7	----	----	----	----	----	1.1	0.1	9.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	14	0.05	0.92	18.63	0.73
EXT COEFF vs NEPHELOMETER	6	1.00	0.08	3.09	0.22

Location: Suisun Bay Transect
Date: February 16, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	----	1619	-1	----	----	----	-----	----	----	----	----	----	11.8	10.3	0.2	----	----
71	----	1628	-1	----	----	----	-----	----	----	----	----	----	11.8	9.8	0.1	----	----
72	----	1636	-1	----	----	----	-----	----	----	----	----	----	11.8	9.8	0.1	----	----
73	----	1640	-1	1.9	-1.9	0.00	-----	----	----	----	----	----	11.8	9.9	0.0	----	----
74	----	1644	-1	----	----	----	-----	----	----	----	----	----	11.8	10.7	0.2	----	----
75	----	1648	0	----	----	----	-----	----	----	----	----	----	11.8	11.0	0.3	----	----
76	----	1654	0	4.5	-2.7	2.50	-----	----	----	----	----	----	11.8	11.8	0.2	----	----
77	----	1706	-1	1.9	-1.5	4.29	-----	----	----	----	----	----	11.8	9.6	0.0	----	----
78	----	----	-1	----	----	----	-----	----	----	----	----	----	14.8	9.4	0.0	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	3	0.00	0.00	0.00	0.00

Location: South SF Bay
Date: March 14, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	1034	--	----	----	----	0.070	6.1	----	----	----	----	4.4	----	9.6	14.1
36	2.0	1040	--	6.0	-1.8	1.43	0.074	6.9	6	59	33	27	----	----	11.1	13.8
36	4.0	1045	--	----	----	----	0.068	5.7	----	----	----	----	----	----	12.2	13.8
35	1.0	1102	--	5.6	-1.7	1.43	0.067	5.6	----	----	----	----	----	----	12.9	13.4
34	1.0	1110	--	5.2	-1.0	1.24	0.074	6.9	----	----	----	----	----	----	13.3	13.7
33	1.0	1120	--	7.6	-1.7	1.29	0.073	6.7	----	----	----	----	----	----	14.7	13.6
32	0.0	1130	--	----	----	----	0.066	5.4	----	----	----	----	1.5	----	15.3	13.8
32	2.0	1135	--	4.5	-0.4	1.11	0.060	4.2	2	54	43	30	----	----	15.5	13.6
32	5.0	1144	--	----	----	----	0.070	6.1	----	----	----	----	----	----	15.6	13.6
32	8.0	1147	--	----	----	----	0.058	3.8	----	----	----	----	----	----	16.9	13.7
31	1.0	1209	--	7.2	-0.1	1.02	0.074	6.9	----	----	----	----	----	----	16.4	13.5
30	0.0	1227	--	----	----	----	0.063	4.8	----	----	----	----	1.4	----	17.9	13.9
30	2.0	1231	--	4.5	-0.2	1.05	0.056	3.4	5	55	38	32	----	----	18.2	13.8
30	5.0	1238	--	----	----	----	0.057	3.6	----	----	----	----	----	----	18.5	13.8
30	13.0	1243	--	----	----	----	0.057	3.6	----	----	----	----	----	----	19.2	13.9
29	1.0	1304	--	5.1	-1.1	1.27	0.064	4.9	----	----	----	----	----	----	18.3	14.4
28	1.0	1316	--	2.8	0.1	0.98	0.050	2.2	----	----	----	----	----	----	18.8	13.9
27	0.0	1333	--	----	----	----	0.072	6.5	----	----	----	----	0.6	----	18.4	15.0
27	2.0	1336	--	6.9	-0.8	1.14	0.068	5.7	0	33	66	24	----	----	18.7	14.8
27	5.0	1343	--	----	----	----	0.051	2.4	----	----	----	----	----	----	18.9	14.1
27	10.0	1349	--	----	----	----	0.049	2.0	----	----	----	----	----	----	19.3	14.1
26	1.0	1403	--	6.9	-0.3	1.04	0.070	6.1	----	----	----	----	----	----	17.7	14.8
25	1.0	1415	--	1.9	-0.4	1.22	0.050	2.2	----	----	----	----	----	----	17.5	13.9
24	0.0	1436	--	----	----	----	0.057	3.6	----	----	----	----	1.0	----	12.2	14.3
24	2.0	1440	--	3.4	-0.5	1.19	0.056	3.3	11	49	38	34	----	----	12.4	14.2
24	5.0	1446	--	----	----	----	0.049	2.0	----	----	----	----	----	----	16.8	14.2
24	8.0	1450	--	----	----	----	0.041	0.5	----	----	----	----	----	----	19.2	14.0
23	1.0	1511	--	3.4	-1.3	1.63	0.058	3.8	----	----	----	----	----	----	12.4	13.8
22	1.0	1525	--	3.6	-0.3	1.10	0.060	4.2	----	----	----	----	----	----	11.4	13.9
21	0.0	1542	--	----	----	----	0.063	4.8	----	----	----	----	2.2	----	9.5	14.1
21	2.0	1545	--	2.1	0.1	0.95	0.053	2.8	14	56	29	44	----	----	9.6	13.8
21	5.0	1552	--	----	----	----	0.052	2.6	----	----	----	----	----	----	14.5	13.7
21	10.0	1556	--	----	----	----	0.045	1.3	----	----	----	----	----	----	24.6	13.7
21	15.0	1600	--	----	----	----	0.050	2.2	----	----	----	----	----	----	25.4	13.7
20	1.0	1623	--	2.1	-0.8	1.59	0.053	2.8	----	----	----	----	----	----	13.6	13.8
19	0.0	1710	--	----	----	----	0.048	1.9	----	----	----	----	1.0	----	18.1	14.5
19	2.0	1704	--	1.9	-0.6	1.43	0.049	2.0	5	58	35	40	----	----	18.5	14.5
19	5.0	1700	--	----	----	----	0.039	0.1	----	----	----	----	----	----	27.1	13.9
19	10.0	1653	--	----	----	----	0.038	----	----	----	----	----	----	----	30.3	13.7
19	21.0	1647	--	----	----	----	0.038	----	----	----	----	----	----	----	30.9	13.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	18	0.84	-7.51	194.95	0.78
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: March 15, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
18	1.0	630	--	----	----	----	0.042	2.9	----	----	----	----	----	----	13.0	13.6
17	0.0	659	--	----	----	----	0.064	5.4	----	----	----	----	1.7	----	6.2	13.0
17	2.0	703	--	2.9	-0.9	1.43	0.052	4.0	27	63	9	40	----	----	8.7	13.3
17	5.0	710	--	----	----	----	0.044	3.1	----	----	----	----	----	----	11.9	13.6
17	10.0	719	--	----	----	----	0.033	1.9	----	----	----	----	----	----	25.0	13.7
16	1.0	740	--	3.5	-0.6	1.21	0.051	3.9	----	----	----	----	----	----	9.5	13.3
15	0.0	817	--	----	----	----	0.057	4.6	----	----	----	----	2.6	----	4.6	13.4
15	2.0	823	--	4.8	-2.3	1.95	0.056	4.5	26	57	15	39	----	----	6.0	13.5
15	6.0	830	--	----	----	----	0.052	4.0	----	----	----	----	----	----	10.3	13.9
14	1.0	853	--	5.1	-1.5	1.43	0.051	3.9	17	64	18	37	----	----	2.9	12.7
13	1.0	926	--	9.0	-1.3	1.18	0.095	9.0	----	----	----	----	----	----	2.1	13.4
12	0.0	954	--	----	----	----	0.050	3.8	----	----	----	----	4.7	----	3.3	13.3
12	2.0	1000	--	----	----	----	0.048	3.5	8	52	38	49	----	----	8.5	13.4
12	5.0	1007	--	----	----	----	0.047	3.5	----	----	----	----	----	----	14.2	13.6
11	1.0	1056	--	----	----	----	0.052	4.0	----	----	----	----	----	----	1.5	13.0
10	1.0	1123	--	----	----	----	0.058	4.7	----	----	----	----	----	----	0.8	13.0
9	0.0	1144	--	----	----	----	0.059	4.8	----	----	----	----	11.1	----	0.5	13.4
9	2.0	1149	--	----	----	----	0.059	4.8	3	45	50	44	----	----	0.4	13.6
9	5.0	1155	--	----	----	----	0.059	4.8	----	----	----	----	----	----	0.3	13.3
9	10.0	1200	--	----	----	----	0.060	5.0	----	----	----	----	----	----	0.3	13.1
9	15.0	1206	--	----	----	----	0.061	5.1	----	----	----	----	----	----	0.4	13.1
8	1.0	1243	--	----	----	----	0.055	4.4	----	----	----	----	----	----	0.1	13.0
7	1.0	1303	--	----	----	----	0.055	4.4	----	----	----	----	----	----	0.1	13.2
6	0.0	1332	--	----	----	----	0.051	3.9	----	----	----	----	8.9	----	0.1	13.0
6	2.0	1336	--	----	----	----	0.051	3.9	10	47	41	47	----	----	0.1	13.0
6	5.0	1342	--	----	----	----	0.051	3.9	----	----	----	----	----	----	0.1	13.0
5	1.0	1412	--	----	----	----	0.051	3.9	----	----	----	----	----	----	0.1	12.8
4	1.0	1430	--	----	----	----	0.049	3.7	----	----	----	----	----	----	0.1	12.6
3	0.0	1458	--	----	----	----	0.051	3.9	----	----	----	----	9.7	----	0.1	13.4
3	2.0	1502	--	----	----	----	0.050	3.8	14	39	46	42	----	----	0.1	13.4
3	6.0	1507	--	----	----	----	0.050	3.8	----	----	----	----	----	----	0.1	13.2
2	1.0	1531	--	----	----	----	0.048	3.6	----	----	----	----	----	----	0.1	12.4
652	1.0	1607	--	----	----	----	0.048	3.6	----	----	----	----	----	----	0.1	12.9
657	0.0	1645	--	----	----	----	0.047	3.5	----	----	----	----	8.5	----	0.1	12.6
657	2.0	1649	--	----	----	----	0.047	3.5	----	----	----	----	----	----	0.1	12.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	5	0.87	-1.95	115.12	0.99
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: San Pablo Transect
Date: March 15, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	----	911	-1	2.3	-0.8	1.51	0.08	2.3	----	----	----	----	7.5	12.7	2.1	----	----
141	----	921	-1	----	----	----	0.06	1.5	----	----	----	----	7.5	12.5	1.8	----	----
142	----	930	-1	----	----	----	0.05	1.0	----	----	----	----	6.0	13.1	3.2	----	----
143	----	935	-1	1.4	-0.5	1.57	0.06	1.5	----	----	----	----	6.0	13.2	2.9	----	----
144	----	942	-1	----	----	----	0.08	2.1	----	----	----	----	6.0	13.2	2.8	----	----
145	----	948	-1	4.0	-0.4	1.11	0.12	4.0	----	----	----	----	6.8	13.2	3.6	----	----
146	----	954	0	----	----	----	0.31	11.7	----	----	----	----	7.5	13.2	4.2	----	----
147	----	1001	0	24.9	-0.7	1.03	0.63	24.9	----	----	----	----	15.0	13.8	5.5	----	----
148	----	1013	0	----	----	----	0.07	1.6	----	----	----	----	7.5	13.0	2.4	----	----
150	----	1019	0	----	----	----	0.07	1.8	----	----	----	----	7.5	12.6	2.1	----	----
151	----	1024	0	----	----	----	0.07	1.8	----	----	----	----	8.3	12.6	1.5	----	----
152	----	1029	0	----	----	----	0.04	0.6	----	----	----	----	10.0	12.2	3.0	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	1.00	-1.14	41.28	0.06

Location: North and South SF Bay
Date: March 16, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
8	1.0	826	--	----	----	----	-----	----	----	----	----	----	----	----	----	----
9	1.0	834	--	----	----	----	-----	----	----	----	----	----	----	----	----	----
10	1.0	845	--	----	----	----	-----	----	----	----	----	----	----	----	----	----
11	1.0	854	--	----	----	----	-----	----	----	----	----	----	----	----	----	----
12	1.0	904	--	----	----	----	-----	----	----	----	----	----	----	----	----	----
13	1.0	918	--	9.6	-3.3	1.53	-----	----	----	----	----	----	----	----	----	----
15	1.0	941	--	7.0	-5.3	3.93	-----	----	----	----	----	----	----	----	4.0	13.5
16	1.0	957	--	----	----	----	-----	----	----	----	----	----	----	----	7.3	13.6
17	1.0	1008	--	----	----	----	-----	----	----	----	----	----	----	----	7.6	13.6
18	1.0	1017	--	----	----	----	-----	----	----	----	----	----	----	----	8.9	13.5
20	1.0	1027	--	----	----	----	-----	----	----	----	----	----	----	----	13.9	13.9
21	1.0	1033	--	----	----	----	-----	----	----	----	----	----	----	----	13.2	14.1
22	1.0	1052	--	----	----	----	-----	----	----	----	----	----	----	----	13.7	14.0
23	1.0	1106	--	----	----	----	-----	----	----	----	----	----	----	----	13.7	14.0
24	1.0	1118	--	----	----	----	-----	----	----	----	----	----	----	----	13.3	14.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South SF Bay
Date: March 20, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
32	0.0	1005	--	----	----	----	0.244	33.6	----	----	----	----	1.0	----	16.5	17.3
32	2.0	1013	--	13.8	-0.9	1.07	0.123	13.0	----	----	----	----	----	----	16.6	16.8
32	5.0	1020	--	----	----	----	0.082	6.0	----	----	----	----	----	----	16.7	16.6
32	10.0	1024	--	----	----	----	0.078	5.3	----	----	----	----	----	----	16.8	16.5
31	1.0	1042	--	5.3	0.0	0.99	0.082	6.0	----	----	----	----	----	----	16.6	16.4
30	0.0	1105	--	----	----	----	0.120	12.5	----	----	----	----	0.8	----	15.9	16.8
30	2.0	1110	--	6.9	0.2	0.98	0.079	5.4	4	5	90	30	----	----	16.6	16.4
30	5.0	1117	--	----	----	----	0.065	3.0	----	----	----	----	----	----	16.9	16.4
30	10.0	1123	--	----	----	----	0.051	0.6	----	----	----	----	----	----	18.8	15.3
29	1.0	1145	--	8.5	-0.2	1.02	0.104	9.8	----	----	----	----	----	----	15.9	16.3
28	1.0	1200	--	11.4	-1.5	1.16	0.114	11.4	----	----	----	----	----	----	15.4	16.2
27	0.0	1215	--	----	----	----	0.117	11.9	----	----	----	----	0.8	----	15.8	16.2
27	2.0	1220	--	5.0	-0.4	1.08	0.066	3.3	0	21	78	32	----	----	16.8	16.1
27	5.0	1228	--	----	----	----	0.043	----	----	----	----	----	----	----	18.9	14.7
27	10.0	1232	--	----	----	----	0.040	----	----	----	----	----	----	----	22.1	14.3
26	1.0	1250	--	----	----	----	0.196	25.5	----	----	----	----	----	----	15.7	16.2
25	1.0	1300	--	3.8	-0.3	1.07	0.085	6.5	----	----	----	----	----	----	15.7	15.9
24	0.0	1320	--	----	----	----	0.146	16.8	----	----	----	----	0.8	----	15.5	16.9
24	2.0	1328	--	15.4	-1.1	1.08	0.133	14.7	0	2	97	13	----	----	15.5	16.5
24	7.0	1338	--	----	----	----	0.041	----	----	----	----	----	----	----	22.6	14.2
25	1.0	1400	--	----	----	----	0.095	8.2	----	----	----	----	----	----	15.8	15.9
26	1.0	1412	--	----	----	----	0.076	4.9	----	----	----	----	----	----	16.2	16.1
27	1.0	1423	--	----	----	----	0.082	6.0	----	----	----	----	----	----	16.1	16.5
28	1.0	1433	--	----	----	----	0.101	9.2	----	----	----	----	----	----	16.4	16.6
29	1.0	1450	--	----	----	----	0.139	15.7	----	----	----	----	----	----	16.6	16.9
30	1.0	1502	--	----	----	----	0.108	10.3	----	----	----	----	----	----	16.5	16.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	8	0.88	-8.10	171.24	1.60
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South SF Bay
Date: April 5, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
32	1.0	810	--	7.4	1.2	0.86	0.083	7.4	5	33	60	17	2.3	1.9	17.1	15.4
32	1.0	815	--	----	----	----	-----	----	----	----	----	----	----	----	16.8	15.0
32	3.0	820	--	----	----	----	-----	----	----	----	----	----	----	----	16.5	14.7
32	6.0	825	--	----	----	----	-----	----	----	----	----	----	----	----	16.5	14.5
31	1.0	845	--	----	----	----	0.067	5.9	0	39	60	16	----	4.3	17.6	15.4
30	1.0	902	--	2.9	0.5	0.86	0.044	3.7	6	43	49	26	1.6	1.8	18.7	15.3
30	1.0	907	--	----	----	----	-----	----	6	46	46	26	----	----	18.4	15.2
30	5.0	912	--	----	----	----	-----	----	3	38	58	26	----	----	18.3	15.2
30	9.0	917	--	----	----	----	-----	----	----	----	----	----	----	----	18.4	14.6
29	1.0	950	--	----	----	----	0.040	3.4	3	42	53	28	----	1.8	19.4	15.2
28	1.0	958	--	----	----	----	0.040	3.4	0	39	60	31	----	1.6	19.7	15.1
27	1.0	1011	--	2.6	-0.3	1.14	0.033	2.7	0	48	51	29	1.5	1.7	20.5	14.8
27	1.0	1016	--	----	----	----	-----	----	----	----	----	----	----	----	20.2	14.7
27	5.0	1021	--	----	----	----	-----	----	8	46	44	29	----	----	19.8	14.6
27	10.0	1026	--	----	----	----	-----	----	2	66	30	22	----	----	19.8	14.7
26	1.0	1038	--	----	----	----	0.034	2.8	0	45	54	29	----	1.4	21.3	14.7
25	1.0	1050	--	----	----	----	0.034	2.8	0	48	51	29	----	1.4	22.1	14.4
24	1.0	1102	--	3.4	-0.1	1.02	0.040	3.4	6	41	52	28	1.1	1.1	22.3	14.6
24	1.0	1107	--	----	----	----	-----	----	----	----	----	----	----	----	21.4	14.4
24	5.0	1112	--	----	----	----	-----	----	16	46	37	29	----	----	21.4	13.9
24	9.0	1117	--	----	----	----	-----	----	8	51	40	30	----	----	21.8	14.1
23	1.0	1135	--	----	----	----	0.039	3.3	----	----	----	----	----	1.4	22.2	14.4
22	1.0	1146	--	----	----	----	0.044	3.8	----	----	----	----	----	1.1	22.1	14.5
21	1.0	1156	--	4.7	-0.1	1.01	0.056	4.9	14	42	42	21	1.1	1.0	22.3	14.6
21	1.0	1200	--	----	----	----	-----	----	----	----	----	----	----	----	21.4	14.5
21	5.0	1205	--	----	----	----	-----	----	21	50	28	29	----	----	21.1	13.7
21	9.0	1210	--	----	----	----	-----	----	35	40	24	28	----	----	26.1	13.6
20	1.0	1238	--	----	----	----	0.042	3.6	----	----	----	----	----	----	23.5	14.2
19	1.0	1251	--	5.1	-0.6	1.14	0.046	3.9	41	7	50	23	0.9	0.9	26.1	14.0
19	1.0	1255	--	----	----	----	-----	----	----	----	----	----	----	----	24.8	13.5
19	7.0	1300	--	----	----	----	-----	----	44	6	48	19	----	----	24.9	13.2
19	14.0	1305	--	----	----	----	-----	----	53	25	20	24	----	----	24.7	12.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.86	-0.41	94.74	0.74
EXT COEFF vs NEPHELOMETER	6	0.81	0.26	0.26	0.25

Location: North SF Bay
Date: April 5,1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1348	--	4.5	-1.2	1.38	0.044	2.8	----	----	----	----	1.2	1.9	21.8	14.5
17	1.0	1350	--	----	----	----	-----	----	----	----	----	----	----	----	21.9	13.9
17	7.0	1355	--	----	----	----	-----	----	25	33	40	16	----	----	22.4	13.8
16	1.0	1414	--	----	----	----	-----	----	----	----	----	----	----	2.2	21.1	14.2
15	1.0	1519	--	5.0	-0.2	1.05	0.057	5.7	2	75	21	16	4.0	2.6	14.8	15.9
15	1.0	1520	--	----	----	----	-----	----	----	----	----	----	----	----	14.6	13.4
15	6.0	1525	--	----	----	----	-----	----	8	81	9	12	----	----	16.8	13.2
14	1.0	1600	--	----	----	----	0.068	8.1	8	84	7	19	----	3.8	8.3	15.2
13	1.0	1615	--	----	----	----	0.045	3.1	1	72	25	27	----	2.9	12.0	15.0
12	1.0	1641	--	4.4	1.1	0.80	0.059	6.1	7	72	19	23	4.6	5.3	4.8	15.2
12	1.0	1645	--	----	----	----	-----	----	----	----	----	----	----	----	4.5	14.5
12	7.0	1650	--	----	----	----	-----	----	3	66	29	19	----	----	11.2	13.6
11	1.0	1720	--	----	----	----	0.059	6.1	8	75	16	23	----	7.5	5.8	15.1
10	1.0	1741	--	----	----	----	0.071	8.7	2	90	7	21	----	11.5	2.1	15.3
9	1.0	1756	--	13.5	6.7	0.67	0.089	12.7	1	93	5	15	19.3	19.2	0.7	15.2
9	1.0	1800	--	----	----	----	-----	----	----	----	----	----	----	----	0.3	14.8
9	5.0	1805	--	----	----	----	-----	----	2	91	6	17	----	----	0.4	14.8
9	10.0	1810	--	----	----	----	-----	----	4	82	12	14	----	----	0.3	14.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	4	0.88	-6.77	218.52	1.84
EXT COEFF vs NEPHELOMETER	4	0.99	1.26	0.20	1.22

Location: South SF Bay
Date: May 24, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	1317	--	----	----	----	0.074	3.5	----	----	----	----	9.6	9.3	18.0	16.2
36	2.0	1319	--	3.2	13.8	0.19	0.073	3.5	24	63	12	23	----	9.1	18.1	16.2
35	1.0	1338	--	----	----	----	0.059	3.7	21	41	36	26	----	4.9	19.4	16.4
34	1.0	1346	--	----	----	----	0.057	3.7	25	45	29	21	----	4.2	19.9	16.4
33	1.0	1359	--	----	----	----	0.048	3.9	26	25	48	23	----	3.5	20.6	17.0
32	0.0	1413	--	----	----	----	0.046	3.9	----	----	----	----	2.5	3.5	20.7	16.9
32	2.0	1418	--	4.6	3.8	0.55	0.048	3.9	31	37	31	20	----	3.9	20.8	16.9
32	5.0	1427	--	----	----	----	0.051	3.8	----	----	----	----	----	4.7	20.8	17.0
32	10.0	1431	--	----	----	----	0.051	3.8	24	37	38	22	----	4.6	20.8	17.0
31	1.0	1449	--	----	----	----	0.043	3.9	23	21	55	21	----	3.4	21.0	17.1
30	0.0	1512	--	----	----	----	0.030	4.1	----	----	----	----	1.7	1.0	21.0	17.4
30	2.0	1515	--	3.7	-0.5	1.14	0.032	4.1	28	43	27	35	----	1.2	21.0	17.4
30	5.0	1524	--	----	----	----	0.036	4.0	----	----	----	----	----	1.7	20.9	17.6
30	10.0	1527	--	----	----	----	0.036	4.0	34	19	46	29	----	1.8	20.0	17.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	3	0.19	4.56	-14.59	0.89
EXT COEFF vs NEPHELOMETER	3	0.96	0.18	2.96	1.18

Location: South S.F. Bay
Date: May 25, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
30	2.0	644	--	2.1	4.2	0.34	0.046	3.3	25	35	39	23	1.3	1.2	20.7	16.6
30	5.0	650	--	----	----	----	0.052	3.4	----	----	----	----	----	1.0	20.6	16.6
30	10.0	655	--	----	----	----	0.057	3.5	24	54	21	15	----	0.8	20.6	16.6
29	1.0	724	--	----	----	----	0.043	3.3	----	----	----	----	----	1.1	20.9	16.8
28	1.0	731	--	----	----	----	0.042	3.2	26	47	25	19	----	1.2	21.1	16.9
27	2.0	748	--	3.8	7.8	0.33	0.044	3.3	28	48	22	19	1.0	1.1	21.2	16.9
27	5.0	756	--	----	----	----	0.055	3.5	----	----	----	----	----	0.8	21.2	16.9
27	8.0	800	--	----	----	----	0.058	3.5	----	----	----	----	----	0.8	21.2	16.9
26	1.0	819	--	----	----	----	0.043	3.3	28	47	23	16	----	1.1	21.4	17.0
25	1.0	827	--	----	----	----	0.031	3.0	34	35	30	28	----	1.3	22.0	16.8
24	0.0	843	--	----	----	----	0.024	2.9	----	----	----	----	1.6	1.5	23.4	16.0
24	2.0	846	--	1.9	1.0	0.66	0.025	2.9	17	24	58	27	----	1.5	23.4	16.0
24	5.0	852	--	----	----	----	0.026	2.9	33	28	37	26	----	1.5	23.4	16.0
23	1.0	910	--	----	----	----	0.025	2.9	35	17	46	25	----	1.5	23.9	15.7
22	1.0	918	--	----	----	----	0.027	2.9	38	30	31	27	----	1.4	23.4	16.2
21	0.0	935	--	----	----	----	0.028	3.0	----	----	----	----	1.6	1.5	23.6	16.1
21	2.0	939	--	3.0	0.5	0.86	0.029	3.0	28	37	33	27	----	1.5	23.6	16.1
21	5.0	945	--	----	----	----	0.027	2.9	----	----	----	----	----	1.5	24.1	15.7
21	12.0	948	--	----	----	----	0.033	3.1	28	39	31	20	----	1.5	24.7	15.4
20	1.0	1010	--	----	----	----	0.034	3.1	35	44	19	13	----	1.5	25.7	14.8
19	2.0	1050	--	4.6	0.7	0.86	0.034	3.1	32	53	14	15	1.2	1.5	27.0	14.2
19	5.0	1047	--	----	----	----	0.036	3.1	----	----	----	----	----	1.4	27.1	14.0
19	10.0	1042	--	----	----	----	0.038	3.2	----	----	----	----	----	1.4	27.2	13.8
19	15.0	1039	--	----	----	----	0.040	3.2	----	----	----	----	----	1.5	27.5	13.6
19	22.0	1036	--	----	----	----	0.056	3.5	38	46	15	8	----	1.4	29.2	12.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	5	0.02	2.43	19.16	1.31
EXT COEFF vs NEPHELOMETER	5	0.54	1.57	-0.32	0.22

Location: North SF Bay
Date: May 25, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	0.0	1143	--	----	----	----	0.037	3.1	----	----	----	----	3.7	4.1	18.7	16.7
17	2.0	1134	--	1.9	3.5	0.36	0.038	3.3	15	63	20	22	----	4.6	19.2	15.5
17	5.0	1130	--	----	----	----	0.038	3.3	----	----	----	----	----	5.0	20.8	14.9
17	10.0	1126	--	----	----	----	0.037	3.1	----	----	----	----	----	4.3	24.3	14.2
17	15.0	1122	--	----	----	----	0.048	5.5	34	44	21	18	----	4.8	25.3	13.9
16	1.0	1159	--	----	----	----	0.042	4.2	19	60	20	20	----	5.2	18.1	15.9
15	2.0	1237	--	7.0	-0.3	1.05	0.054	6.8	14	65	20	19	6.4	6.8	15.9	16.3
15	5.0	1235	--	----	----	----	0.052	6.4	----	----	----	----	----	8.4	17.3	16.0
15	10.0	1230	--	----	----	----	0.058	7.7	----	----	----	----	----	5.0	19.7	15.4
15	15.0	1226	--	----	----	----	0.066	9.5	24	64	11	14	----	3.4	21.4	15.0
14	1.0	1254	--	----	----	----	0.060	8.2	13	72	14	16	----	7.9	15.6	16.6
13	1.0	1315	--	----	----	----	0.073	11.1	14	73	12	13	----	7.7	13.8	17.0
12	0.0	1337	--	----	----	----	0.042	4.2	----	----	----	----	5.8	5.0	6.5	18.2
12	2.0	1341	--	----	----	----	0.053	6.6	11	63	25	21	----	6.0	7.0	18.0
12	5.0	1347	--	----	----	----	0.073	10.9	14	71	13	15	----	8.5	11.6	17.0
11	1.0	1415	--	----	----	----	0.049	5.7	13	62	23	24	----	6.3	5.5	17.2
10	1.0	1429	--	----	----	----	0.051	6.1	13	58	28	24	----	6.9	3.4	17.6
9	0.0	1447	--	----	----	----	0.053	6.6	----	----	----	----	7.7	7.5	1.8	17.8
9	2.0	1451	--	5.1	5.2	0.50	0.055	7.1	----	----	----	----	----	7.5	2.0	17.5
9	5.0	1458	--	----	----	----	0.058	7.6	----	----	----	----	----	9.0	2.3	17.3
9	11.0	1507	--	----	----	----	0.064	9.1	13	69	16	21	----	13.2	3.4	17.2
8	1.0	1527	--	----	----	----	0.050	6.0	----	----	----	----	----	7.4	1.6	17.6
7	1.0	1541	--	----	----	----	0.055	7.1	----	----	----	----	----	8.5	1.1	18.1
6	0.0	1607	--	----	----	----	0.053	6.5	----	----	----	----	5.6	5.8	0.1	18.5
6	2.0	1610	--	7.7	0.4	0.95	0.056	7.2	23	37	39	23	----	6.7	0.1	18.5
6	6.0	1615	--	----	----	----	0.056	7.3	24	45	29	22	----	6.9	0.2	18.6
5	1.0	1640	--	----	----	----	0.052	6.4	16	51	31	24	----	5.9	0.1	18.4
4	1.0	1650	--	----	----	----	0.049	5.6	11	67	21	29	----	5.2	0.1	18.3
3	0.0	1730	--	----	----	----	0.046	5.1	----	----	----	----	----	5.1	0.0	18.3
3	2.0	1734	--	7.7	-0.5	1.07	0.046	5.1	14	38	47	25	----	5.2	0.0	18.3
3	5.0	1740	--	----	----	----	0.047	5.3	----	----	----	----	----	5.3	0.0	18.2
3	10.0	1744	--	----	----	----	0.049	5.7	----	----	----	----	----	5.7	0.0	18.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	5	0.47	-5.12	221.56	2.07
EXT COEFF vs NEPHELOMETER	5	0.88	2.39	2.91	0.59

Location: San Pablo Transect
Date: May 25, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	6.0	1310	1	1.5	0.3	0.82	0.06	1.3	18	60	21	15	5.0	16.3	16.1	15.4	19.5
141	6.0	1323	1	----	----	----	0.07	1.9	----	----	----	----	10.0	16.4	12.2	16.4	12.6
142	6.0	1329	1	----	----	----	0.07	2.1	----	----	----	----	10.0	16.6	14.9	16.6	13.3
143	6.0	1334	1	----	----	----	0.06	1.8	----	----	----	----	10.0	16.6	12.1	16.5	11.0
144	6.0	----	1	1.5	0.5	0.75	0.06	1.6	----	----	----	----	7.5	16.4	16.7	16.3	12.2
145	6.0	1344	1	----	----	----	0.07	2.0	----	----	----	----	10.0	16.3	11.2	16.3	9.8
146	6.0	1348	1	----	----	----	0.08	2.9	----	----	----	----	15.0	16.5	13.2	16.3	10.5
147	6.0	1352	1	----	----	----	0.11	5.4	----	----	----	----	30.0	17.2	11.0	16.5	9.8
148	3.0	1356	1	5.8	3.0	0.66	0.11	5.7	----	----	----	----	30.0	19.7	13.5	17.5	14.8
150	4.0	1411	1	----	----	----	0.07	2.1	----	----	----	----	7.5	16.7	14.3	16.7	12.0
151	3.0	1419	1	----	----	----	0.08	2.8	----	----	----	----	10.0	16.8	12.2	16.7	12.2
152	6.0	1427	1	2.7	0.8	0.77	0.08	3.0	----	----	----	----	10.0	17.0	9.6	16.5	8.9
153	6.0	1435	1	----	----	----	0.05	0.9	----	----	----	----	5.0	16.8	7.8	16.5	10.9

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.99	-3.17	77.51	0.28

Location: Suisun Transect
Date: May 25, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	6.0	1515	1	1.7	1.1	0.60	0.06	1.7	----	----	----	----	10.0	17.2	1.2	17.2	1.2
71	6.0	1524	1	----	----	----	0.06	1.5	----	----	----	----	10.0	17.5	0.9	17.3	0.9
72	6.0	1530	1	----	----	----	0.06	1.5	----	----	----	----	10.0	17.8	0.7	17.7	0.7
73	6.0	1537	1	2.1	0.7	0.74	0.07	2.1	----	----	----	----	10.0	17.3	0.5	17.3	0.5
74	6.0	1543	1	----	----	----	0.08	2.6	----	----	----	----	15.0	17.6	0.7	17.5	0.6
75	1.0	----	1	----	----	----	0.06	1.6	----	----	----	----	6.0	----	----	18.2	0.2
76	1.0	1457	1	3.8	0.3	0.92	0.10	3.8	----	----	----	----	10.0	----	----	18.4	0.5
77	1.0	1610	1	----	----	----	0.12	4.6	----	----	----	----	----	----	----	18.2	0.9
78	4.0	1630	1	----	----	----	0.06	1.7	----	----	----	----	----	18.3	0.7	18.3	0.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	3	1.00	-1.29	49.93	0.02

Location: South SF Bay
Date: June 14, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	908	--	----	----	----	0.039	4.0	----	----	----	----	2.0	1.8	20.8	19.7
36	2.0	912	--	2.7	0.3	0.90	0.035	3.4	20	31	48	46	----	1.8	20.9	19.5
36	4.0	915	--	----	----	----	0.034	3.3	10	29	60	54	----	1.8	21.2	19.5
35	1.0	934	--	----	----	----	0.036	3.6	5	39	54	53	----	2.0	21.1	19.6
34	1.0	938	--	----	----	----	0.042	4.4	16	39	43	37	----	1.9	21.8	19.9
33	1.0	949	--	----	----	----	0.039	4.0	18	44	37	38	----	1.5	22.5	19.9
32	0.0	1003	--	----	----	----	0.030	2.7	----	----	----	----	1.0	1.4	22.1	19.7
32	2.0	1007	--	2.7	-0.5	1.21	0.030	2.7	4	53	42	52	----	1.4	22.1	19.7
32	5.0	1011	--	----	----	----	0.030	2.7	----	----	----	----	----	1.8	22.4	19.7
32	9.0	1014	--	----	----	----	0.034	3.3	23	40	36	45	----	2.7	22.7	19.7
31	1.0	1038	--	----	----	----	0.034	3.3	3	48	48	46	----	1.0	22.8	19.8
30	2.0	1101	--	2.7	-0.6	1.28	0.028	2.4	13	19	67	40	1.1	0.9	22.8	19.5
30	5.0	1106	--	----	----	----	0.025	2.0	----	----	----	----	----	1.4	22.8	19.5
30	12.0	1111	--	----	----	----	0.025	2.0	5	44	49	54	----	1.5	22.7	19.5
29	1.0	1137	--	----	----	----	0.024	1.9	13	38	48	50	----	0.7	22.9	19.5
28	1.0	1148	--	----	----	----	0.023	1.7	----	----	----	----	----	0.7	23.4	19.2
27	2.0	1205	--	2.1	-0.6	1.43	0.025	1.9	12	36	51	40	0.6	0.6	23.9	19.1
27	6.0	1210	--	----	----	----	0.021	1.5	48	0	51	56	----	0.6	24.1	18.8
26	1.0	1222	--	----	----	----	0.027	2.4	----	----	----	----	----	0.5	18.1	19.1
25	1.0	1242	--	----	----	----	0.026	2.1	0	46	53	44	----	0.6	25.0	18.6
24	0.0	1300	--	----	----	----	0.021	1.5	----	----	----	----	0.4	0.4	26.0	17.7
24	2.0	1304	--	1.5	-0.2	1.18	0.021	1.5	16	45	38	40	----	0.4	26.0	17.7
24	7.0	1309	--	----	----	----	0.022	1.6	----	----	----	----	----	0.5	26.0	17.5
23	1.0	1328	--	----	----	----	0.032	3.0	11	50	37	25	----	0.6	26.9	16.9
22	1.0	1340	--	----	----	----	0.045	4.8	11	46	41	22	----	0.5	25.9	17.7
21	0.0	1356	--	----	----	----	0.031	2.8	----	----	----	----	0.7	0.6	25.6	18.9
21	2.0	1400	--	3.5	0.0	1.00	0.035	3.4	7	44	48	26	----	0.5	25.7	18.7
21	5.0	1404	--	----	----	----	0.034	3.3	----	----	----	----	----	0.6	26.3	17.1
21	13.0	1409	--	----	----	----	0.025	2.0	26	39	33	36	----	0.7	27.5	15.7
20	1.0	1505	--	----	----	----	0.046	5.0	14	54	31	17	----	0.7	24.5	17.1
19	0.0	1554	--	----	----	----	0.047	5.1	----	----	----	----	0.5	0.7	25.8	16.5
19	2.0	1549	--	6.4	0.9	0.87	0.055	6.2	44	22	32	10	----	0.7	26.1	16.3
19	5.0	1545	--	----	----	----	0.059	6.8	----	----	----	----	----	0.7	31.1	12.7
19	10.0	1540	--	----	----	----	0.062	7.2	----	----	----	----	----	0.7	31.3	12.3
19	20.0	1535	--	----	----	----	0.074	8.9	37	55	7	12	----	1.0	31.9	11.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.96	-1.50	140.82	0.35
EXT COEFF vs NEPHELOMETER	7	0.83	0.16	4.99	0.24

Location: North SF Bay
Date: June 15, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	0.0	650	--	----	----	----	0.031	2.7	----	----	----	----	0.8	0.8	24.0	15.9
17	2.0	654	--	2.9	0.8	0.79	0.032	2.8	35	64	0	55	----	0.8	25.3	15.8
17	5.0	659	--	----	----	----	0.035	3.1	----	----	----	----	----	0.7	27.9	14.1
17	9.0	705	--	----	----	----	0.044	4.0	44	50	4	23	----	1.0	29.6	13.4
16	1.0	726	--	----	----	----	0.033	2.9	17	53	28	36	----	0.9	22.7	16.7
15	0.0	757	--	----	----	----	0.046	4.2	----	----	----	----	1.3	1.0	22.0	16.9
15	2.0	802	--	2.2	2.3	0.49	0.034	3.0	10	50	39	38	----	1.0	23.1	16.7
15	5.0	806	--	----	----	----	0.034	3.0	----	----	----	----	----	1.1	25.1	16.2
15	9.0	810	--	----	----	----	0.035	3.1	22	52	24	35	----	1.3	26.1	15.5
14	1.0	827	--	----	----	----	0.043	3.9	16	45	38	29	----	1.1	19.9	17.7
13	1.0	849	--	----	----	----	0.032	2.9	11	54	34	34	----	1.2	21.3	17.2
12	0.0	914	--	----	----	----	0.045	4.1	----	----	----	----	1.4	1.7	15.5	18.6
12	2.0	919	--	3.0	0.0	1.01	0.032	2.8	8	64	26	35	----	1.4	18.6	17.9
12	6.0	924	--	----	----	----	0.027	2.3	8	39	52	40	----	1.7	24.3	16.2
11	1.0	947	--	----	----	----	0.054	5.0	8	59	31	22	----	2.6	15.9	18.6
10	1.0	1002	--	----	----	----	0.059	5.5	12	66	20	28	----	1.3	14.6	18.8
9	0.0	1021	--	----	----	----	0.040	3.6	----	----	----	----	1.5	1.3	11.7	18.9
9	2.0	1025	--	3.6	-0.5	1.18	0.033	2.9	11	62	25	34	----	1.4	12.1	18.8
9	5.0	1030	--	----	----	----	0.032	2.9	----	----	----	----	----	1.4	12.4	18.8
9	10.0	1033	--	----	----	----	0.031	2.7	----	----	----	----	----	1.5	14.9	18.5
9	17.0	1039	--	----	----	----	0.032	2.8	20	36	42	33	----	2.0	17.2	18.1
8	1.0	1101	--	----	----	----	0.034	3.0	----	----	----	----	----	1.5	13.5	18.7
7	1.0	1118	--	----	----	----	0.038	3.4	0	78	21	31	----	1.7	7.7	19.5
6	0.0	1145	--	----	----	----	0.043	3.9	----	----	----	----	2.9	2.9	4.2	20.3
6	2.0	1150	--	3.6	0.4	0.90	0.043	3.9	9	51	38	32	----	2.9	4.3	20.3
6	5.0	1156	--	----	----	----	0.036	3.2	12	62	24	39	----	3.3	7.3	19.5
5	1.0	1220	--	----	----	----	0.055	5.1	5	74	20	28	----	4.7	2.1	20.5
4	1.0	1236	--	----	----	----	0.080	7.5	11	66	21	22	----	6.2	0.6	20.8
3	0.0	1255	--	----	----	----	0.080	7.6	----	----	----	----	5.6	5.5	0.2	20.8
3	2.0	1301	--	7.4	1.3	0.85	0.078	7.3	15	64	20	20	----	5.6	0.3	20.7
3	5.0	1305	--	----	----	----	0.075	7.1	----	----	----	----	----	6.0	0.3	20.3
3	10.0	1310	--	----	----	----	0.081	7.7	11	80	8	30	----	6.7	0.3	20.3
2	1.0	1405	--	----	----	----	0.064	6.0	----	----	----	----	----	4.7	0.1	21.0
1	1.0	1440	--	----	----	----	0.053	4.9	----	----	----	----	----	3.8	0.1	21.0
657	0.0	1520	--	----	----	----	0.063	5.9	----	----	----	----	2.3	2.7	0.0	21.7
657	2.0	1523	--	----	----	----	0.064	6.0	8	39	51	21	----	2.7	0.0	21.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.93	-0.31	98.52	0.56
EXT COEFF vs NEPHELOMETER	7	0.98	0.26	4.34	0.28

Location: San Pablo Bay Transect
Date: June 15, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	7.2	844	1	9.3	-0.3	1.04	0.06	13.2	----	----	----	----	1.4	17.3	19.1	15.0	25.5
141	5.4	857	1	----	----	----	0.04	4.4	----	----	----	----	1.6	17.2	18.3	16.4	15.5
142	3.4	904	1	----	----	----	0.04	1.4	----	----	----	----	1.6	17.3	17.1	17.4	15.4
143	2.9	908	1	----	----	----	0.03	----	----	----	----	----	1.7	18.3	17.4	17.5	13.2
144	2.3	915	1	5.2	-0.6	1.12	0.04	2.9	----	----	----	----	1.7	17.9	17.2	17.7	17.9
145	1.8	920	1	----	----	----	0.03	----	----	----	----	----	1.6	17.7	18.4	18.1	19.2
146	3.1	926	1	----	----	----	0.03	----	----	----	----	----	1.9	18.0	19.1	18.0	12.3
147	2.8	931	1	----	----	----	0.04	3.4	----	----	----	----	1.9	18.5	19.1	18.5	19.0
148	2.5	935	1	28.7	-2.6	1.10	0.09	27.0	----	----	----	----	3.0	19.2	18.3	18.9	13.4
150	2.3	955	1	----	----	----	0.03	----	----	----	----	----	1.9	17.6	17.5	17.5	17.5
151	2.7	1000	1	----	----	----	0.05	8.1	----	----	----	----	2.1	17.5	17.1	17.5	17.1
152	2.6	1010	1	----	----	----	0.06	13.8	----	----	----	----	2.0	18.2	16.1	17.8	16.3
153	5.0	1020	1	----	----	----	0.05	5.8	----	----	----	----	3.0	17.9	16.4	17.4	18.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	3	0.93	-16.27	468.07	4.82

Location: Suisun Bay Transect
Date: June 15, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	7.1	1052	1	----	----	----	0.04	4.8	10	50	38	38	2.5	18.7	8.7	18.3	13.9
71	6.7	1102	1	----	----	----	0.05	6.6	----	----	----	----	3.0	19.2	7.2	18.6	12.7
72	7.0	1108	1	----	----	----	0.05	7.6	----	----	----	----	3.8	19.3	6.6	18.8	11.2
73	5.9	1115	1	7.7	0.5	0.94	0.05	6.6	28	48	22	35	4.3	19.4	5.7	18.9	9.2
74	3.0	1117	1	----	----	----	0.08	11.6	----	----	----	----	4.3	19.8	3.7	19.2	5.6
75	----	1129	1	----	----	----	0.06	8.6	----	----	----	----	5.0	19.7	3.8	----	----
76	----	1136	1	18.8	-3.2	1.21	0.12	18.5	27	59	12	14	10.0	----	----	----	----
77	----	1145	1	----	----	----	0.10	14.6	----	----	----	----	10.0	----	----	----	----
78	----	1156	1	8.0	0.1	0.99	0.06	9.4	28	65	6	24	5.0	19.8	3.8	----	----
79	----	1205	1	----	----	----	0.06	8.5	----	----	----	----	5.0	----	----	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	3	0.96	-1.08	164.17	1.82

Location: South SF Bay
Date: July 12, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	905	--	----	----	----	0.045	3.4	----	----	----	----	1.8	1.9	22.4	20.7
36	2.0	912	--	1.9	0.2	0.90	0.042	3.2	0	31	68	48	----	1.9	22.5	20.8
36	4.0	920	--	----	----	----	0.038	2.8	5	32	62	63	----	1.8	22.9	20.8
35	1.0	939	--	----	----	----	0.048	3.7	12	28	59	47	----	1.6	23.0	20.8
34	1.0	943	--	----	----	----	0.037	2.7	11	20	68	51	----	1.7	23.3	20.3
33	1.0	953	--	----	----	----	0.041	3.1	16	29	54	51	----	1.6	24.1	20.8
32	0.0	1006	--	----	----	----	0.037	2.7	----	----	----	----	1.8	1.6	24.7	21.0
32	2.0	1010	--	2.9	-0.8	1.35	0.038	2.8	9	54	35	46	----	1.6	24.7	21.0
32	5.0	1019	--	----	----	----	0.039	2.9	10	53	36	45	----	2.4	24.8	21.0
31	1.0	1039	--	----	----	----	0.045	3.4	0	51	48	40	----	1.2	24.9	21.0
30	0.0	1125	--	----	----	----	0.031	2.2	----	----	----	----	1.0	1.1	25.2	21.0
30	2.0	1128	--	3.0	-0.8	1.36	0.032	2.3	12	40	46	45	----	1.1	25.2	21.0
30	5.0	1135	--	----	----	----	0.027	1.9	----	----	----	----	----	1.3	25.2	20.9
30	12.0	1140	--	----	----	----	0.030	2.1	34	28	37	46	----	1.7	25.4	20.5
29	1.0	1202	--	----	----	----	0.028	2.0	15	21	62	43	----	0.9	25.6	20.6
28	1.0	1211	--	----	----	----	0.025	1.7	17	31	51	54	----	0.8	26.0	20.3
27	0.0	1251	--	----	----	----	0.023	1.5	----	----	----	----	0.6	0.7	26.4	20.4
27	2.0	1255	--	1.5	-0.2	1.18	0.022	1.5	6	39	54	63	----	0.8	26.6	20.4
27	5.0	1303	--	----	----	----	0.017	1.0	----	----	----	----	----	0.8	26.9	20.1
27	8.0	1307	--	----	----	----	0.017	1.0	22	9	67	64	----	0.8	26.9	20.0
26	1.0	1325	--	----	----	----	0.024	1.7	4	34	60	43	----	0.6	26.9	20.3
25	1.0	1337	--	----	----	----	0.021	1.4	8	28	63	45	----	0.6	28.1	19.1
24	0.0	1357	--	----	----	----	0.020	1.3	----	----	----	----	0.4	0.6	29.1	18.2
24	2.0	1402	--	1.1	0.4	0.75	0.021	1.4	12	49	37	39	----	0.6	29.1	18.2
24	5.0	1410	--	----	----	----	0.021	1.4	----	----	----	----	----	0.5	29.8	17.1
24	8.0	1414	--	----	----	----	0.020	1.3	26	21	51	40	----	0.5	29.9	17.0
23	1.0	1432	--	----	----	----	0.027	1.9	17	43	39	25	----	0.6	29.6	17.5
22	1.0	1445	--	----	----	----	0.040	3.0	14	0	85	21	----	0.7	29.5	17.5
21	0.0	1501	--	----	----	----	0.035	2.6	----	----	----	----	0.7	0.5	29.7	16.8
21	2.0	1507	--	----	----	----	0.035	2.6	32	33	33	19	----	0.5	29.6	16.9
21	5.0	1514	--	----	----	----	0.030	2.1	----	----	----	----	----	0.5	30.4	16.1
21	11.0	1520	--	----	----	----	0.032	2.3	25	33	41	27	----	0.6	30.9	15.6
20	1.0	1549	--	----	----	----	0.038	2.8	21	64	13	24	----	0.5	30.3	16.2
19	0.0	1647	--	----	----	----	0.043	3.2	----	----	----	----	0.5	0.5	32.6	13.9
19	2.0	1639	--	4.2	2.8	0.60	0.046	3.5	30	42	26	16	----	0.5	32.6	13.9
19	5.0	1635	--	----	----	----	0.047	3.5	----	----	----	----	----	0.5	32.7	13.8
19	10.0	1630	--	----	----	----	0.048	3.7	----	----	----	----	----	0.5	32.6	13.8
19	20.0	1627	--	----	----	----	0.049	3.7	27	34	38	16	----	0.5	32.6	13.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.61	-0.40	84.59	0.80
EXT COEFF vs NEPHELOMETER	7	0.94	0.32	5.02	0.16

Location: North SF Bay
Date: July 13, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
18	1.0	631	0	----	----	----	0.033	4.7	----	----	----	----	----	0.9	30.8	15.5
17	0.0	655	0	----	----	----	0.030	3.7	----	----	----	----	0.9	0.9	29.1	15.8
17	2.0	659	0	2.1	0.5	0.82	0.028	3.1	5	46	47	35	----	0.9	30.0	15.7
17	5.0	706	0	----	----	----	0.027	2.9	----	----	----	----	----	0.9	30.8	15.4
17	9.0	710	0	----	----	----	0.029	3.6	31	28	40	36	----	1.0	30.9	15.3
16	1.0	729	0	----	----	----	0.033	4.7	22	35	41	36	----	1.1	28.5	16.7
15	0.0	757	0	----	----	----	0.027	2.9	----	----	----	----	1.0	1.1	26.3	17.2
15	2.0	800	0	2.1	0.3	0.89	0.024	2.0	19	34	45	36	----	1.1	26.8	17.2
15	5.0	806	0	----	----	----	0.022	1.4	----	----	----	----	----	1.1	27.1	17.2
15	9.0	811	0	----	----	----	0.023	1.6	9	44	46	40	----	1.1	27.9	16.8
14	1.0	836	0	----	----	----	0.035	5.3	20	44	34	32	----	1.2	24.6	18.1
13	1.0	854	0	----	----	----	0.036	5.6	21	36	42	29	----	1.2	24.5	17.7
12	0.0	919	0	----	----	----	0.033	4.7	----	----	----	----	1.3	1.2	20.7	18.8
12	2.0	924	0	5.3	-0.3	1.06	0.033	4.7	30	39	30	29	----	1.2	20.7	18.8
12	6.0	931	0	----	----	----	0.023	1.7	17	36	45	38	----	1.6	26.1	17.5
11	1.0	952	0	----	----	----	0.037	5.9	31	43	24	23	----	1.5	21.3	18.7
10	1.0	1009	0	----	----	----	0.038	6.2	45	33	21	25	----	1.1	19.6	19.3
9	0.0	1029	0	----	----	----	0.035	5.3	----	----	----	----	0.7	1.0	19.9	19.7
9	2.0	1033	0	8.7	-0.4	1.05	0.043	7.6	40	34	24	25	----	1.0	19.7	19.6
9	5.0	1040	0	----	----	----	0.033	4.5	----	----	----	----	----	1.2	19.3	19.3
9	10.0	1045	0	----	----	----	0.033	4.5	----	----	----	----	----	1.4	19.9	19.1
9	16.0	1051	0	----	----	----	0.038	6.2	42	41	16	25	----	1.1	20.8	19.0
8	1.0	1140	0	----	----	----	0.059	12.2	45	48	6	23	----	1.0	13.1	20.0
7	1.0	1200	0	----	----	----	0.087	20.6	48	39	11	12	----	1.2	10.0	20.0
6	0.0	1231	0	----	----	----	0.072	16.2	----	----	----	----	2.7	2.3	7.1	21.0
6	2.0	1236	0	17.0	-0.6	1.04	0.062	13.2	56	33	9	19	----	1.7	7.7	20.5
6	6.0	1248	0	----	----	----	0.070	15.5	60	26	12	18	----	3.0	8.4	20.4
5	1.0	1315	0	----	----	----	0.063	13.6	49	33	17	21	----	3.0	4.2	21.2
4	1.0	1333	0	----	----	----	0.072	16.1	45	47	7	22	----	7.4	2.8	21.3
3	0.0	1355	0	----	----	----	0.060	12.7	----	----	----	----	5.6	5.7	1.6	22.1
3	2.0	1401	0	8.0	3.7	0.69	0.060	12.7	26	62	11	26	----	5.6	1.6	22.1
3	5.0	1410	0	----	----	----	0.068	14.9	----	----	----	----	----	9.6	1.7	21.7
3	8.0	1414	0	----	----	----	0.090	21.5	----	----	----	----	----	5.1	1.8	21.6
2	1.0	1434	0	----	----	----	0.056	11.3	16	72	10	28	----	5.6	1.1	22.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.75	-5.05	295.01	3.11
EXT COEFF vs NEPHELOMETER	6	0.98	0.52	4.00	0.26

Location: San Pablo Transect
Date: July 13, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	6.7	847	0	1.0	-0.3	1.38	0.04	0.9	----	----	----	----	1.4	16.8	23.2	16.1	25.5
141	3.2	856	0	----	----	----	0.04	1.1	----	----	----	----	1.4	16.8	23.3	16.5	24.2
142	1.6	905	0	----	----	----	0.06	1.8	----	----	----	----	1.8	17.3	21.2	16.9	21.2
143	1.8	914	-1	----	----	----	0.02	0.4	----	----	----	----	1.8	17.4	20.5	17.2	21.1
144	1.2	918	-1	0.5	-0.1	1.28	0.03	0.7	----	----	----	----	2.5	17.5	20.7	17.2	20.8
145	1.8	925	-1	----	----	----	0.04	0.9	----	----	----	----	3.0	17.4	20.8	17.2	20.8
146	2.4	930	-1	----	----	----	0.05	1.4	----	----	----	----	3.8	18.4	20.9	17.6	20.9
147	2.6	936	-1	1.5	-0.1	1.11	0.05	1.6	----	----	----	----	3.8	18.6	20.8	17.9	20.8
148	2.9	940	-1	----	----	----	0.06	2.2	----	----	----	----	3.8	18.9	21.2	18.4	21.2
150	2.2	955	-1	----	----	----	0.03	0.8	----	----	----	----	3.8	17.8	21.2	17.6	21.2
151	2.5	1003	-1	----	----	----	0.03	0.9	----	----	----	----	2.1	18.3	20.4	18.3	20.4
152	2.4	1011	-1	1.2	-0.2	1.16	0.04	1.1	----	----	----	----	1.9	18.8	20.0	17.8	21.1
153	6.0	----	-1	----	----	----	0.04	1.1	----	----	----	----	1.9	18.9	19.4	17.2	24.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.91	-0.57	42.48	0.16

Location: Suisun Transect
Date: July 13,1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	6.9	1102	-1	2.6	-0.2	1.11	0.05	2.8	----	----	----	----	1.0	19.5	12.8	19.3	15.7
71	7.2	1112	-1	----	----	----	0.07	3.7	----	----	----	----	1.3	19.8	11.5	19.4	14.6
72	7.1	----	-1	----	----	----	0.09	4.4	----	----	----	----	2.3	19.9	10.3	19.7	12.2
73	7.2	----	-1	6.8	-0.3	1.05	0.14	6.8	----	----	----	----	5.0	20.8	7.2	19.6	11.2
74	2.5	1140	-1	----	----	----	0.19	8.8	----	----	----	----	10.0	20.2	7.1	20.1	11.2
75	1.7	1146	0	----	----	----	0.16	7.4	----	----	----	----	7.5	20.7	7.2	20.0	7.2
76	1.0	1155	0	11.3	-1.1	1.11	0.24	11.4	----	----	----	----	10.0	21.2	7.2	20.3	7.1
77	1.2	----	0	----	----	----	0.20	9.4	----	----	----	----	10.0	20.4	7.1	19.5	7.1
78	3.8	1212	0	5.8	-0.4	1.07	0.11	5.5	----	----	----	----	4.3	20.1	7.2	19.9	8.3
79	7.3	1220	0	----	----	----	0.09	4.3	----	----	----	----	5.0	21.2	5.5	20.2	7.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	1.00	0.46	44.79	0.26

Location: South SF Bay
Date: July 31, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	910	--	----	----	----	0.047	2.2	----	----	----	----	3.8	3.9	24.5	21.2
36	2.0	915	--	2.6	5.1	0.34	0.049	2.2	13	23	62	35	----	4.6	24.6	21.2
36	4.0	918	--	----	----	----	0.052	2.2	19	28	52	52	----	5.0	24.6	21.2
35	1.0	932	--	----	----	----	0.041	2.3	11	40	47	50	----	1.6	25.5	21.0
34	1.0	939	--	1.7	3.2	0.35	0.039	2.3	11	23	64	46	----	2.4	26.2	20.8
33	1.0	954	--	----	----	----	0.034	2.3	16	25	57	42	----	2.6	26.9	20.6
32	0.0	1005	--	----	----	----	0.028	2.3	----	----	----	----	2.0	1.7	27.1	20.7
32	2.0	1008	--	1.8	2.3	0.44	0.029	2.3	17	35	46	46	----	2.1	27.1	20.7
32	5.0	1012	--	----	----	----	0.030	2.3	----	----	----	----	----	2.4	27.1	20.6
32	8.0	1015	--	----	----	----	0.030	2.3	11	42	46	44	----	2.4	27.1	20.6
31	1.0	1039	--	----	----	----	0.027	2.3	12	45	42	46	----	1.9	27.2	20.7
30	0.0	1057	--	----	----	----	0.024	2.3	----	----	----	----	1.0	1.0	27.6	20.6
30	2.0	1104	--	2.1	0.8	0.73	0.022	2.4	9	31	58	44	----	1.0	27.7	20.5
30	5.0	1108	--	----	----	----	0.020	2.4	----	----	----	----	----	1.3	27.8	20.4
30	12.0	1112	--	----	----	----	0.021	2.4	17	15	67	51	----	1.7	27.8	20.4
29	1.0	1137	--	----	----	----	0.022	2.4	15	22	61	47	----	2.3	28.4	19.8
28	1.0	1144	--	----	----	----	0.023	2.3	0	32	67	51	----	0.9	28.5	19.8
27	0.0	1157	--	----	----	----	0.022	2.4	----	----	----	----	0.5	0.7	28.9	19.5
27	2.0	1201	--	2.1	0.3	0.87	0.026	2.3	10	0	89	41	----	0.7	28.9	19.4
27	5.0	1204	--	----	----	----	0.020	2.4	----	----	----	----	----	0.7	29.3	19.1
27	10.0	1208	--	----	----	----	0.018	2.4	12	0	87	59	----	0.8	29.4	19.0
26	1.0	1225	--	----	----	----	0.027	2.3	18	36	45	40	----	0.7	29.4	19.1
25	1.0	1237	--	----	----	----	0.022	2.4	15	9	74	31	----	0.7	30.1	18.5
24	0.0	1254	--	----	----	----	0.017	2.4	----	----	----	----	0.5	0.7	30.7	17.9
24	2.0	1257	--	2.5	0.2	0.92	0.021	2.4	12	42	44	37	----	0.7	30.7	17.6
24	5.0	1300	--	----	----	----	0.020	2.4	----	----	----	----	----	0.8	30.8	17.4
24	8.0	1303	--	----	----	----	0.021	2.4	17	34	47	38	----	0.7	30.7	17.4
23	1.0	1323	--	----	----	----	0.020	2.4	----	----	----	----	----	0.8	30.5	17.9
22	1.0	1332	--	----	----	----	0.026	2.3	19	41	39	26	----	0.8	30.8	17.3
21	0.0	1352	--	----	----	----	0.024	2.3	----	----	----	----	0.7	0.8	30.5	18.2
21	2.0	1356	--	2.9	0.7	0.82	0.027	2.3	15	26	58	31	----	0.8	30.6	17.5
21	5.0	1400	--	----	----	----	0.022	2.4	----	----	----	----	----	0.8	31.0	16.4
21	12.0	1403	--	----	----	----	0.020	2.4	29	26	44	31	----	0.9	31.5	15.7
20	1.0	1425	--	----	----	----	0.026	2.3	----	----	----	----	----	0.8	30.6	17.8
19	2.0	1501	--	2.9	0.4	0.87	0.023	2.3	25	37	37	26	1.1	0.8	31.9	15.4
19	5.0	1458	--	----	----	----	0.025	2.3	----	----	----	----	----	0.8	31.8	15.5
19	10.0	1455	--	----	----	----	0.024	2.3	----	----	----	----	----	0.8	32.0	15.3
19	18.0	1450	--	----	----	----	0.024	2.3	30	38	31	30	----	0.8	32.0	15.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	8	0.01	2.45	-4.38	0.52
EXT COEFF vs NEPHELOMETER	7	0.97	0.33	4.71	0.23

Location: North SF Bay
Date: August 1, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	0.0	627	--	----	----	----	0.025	1.3	----	----	----	----	1.7	1.6	29.3	17.5
17	2.0	631	--	1.7	1.4	0.55	0.026	1.5	0	18	81	34	----	1.7	29.3	17.5
17	5.0	635	--	----	----	----	0.026	1.6	----	----	----	----	----	1.8	29.3	17.5
17	9.0	638	--	----	----	----	0.027	1.9	12	53	34	34	----	1.9	29.3	17.5
16	1.0	656	--	----	----	----	0.026	1.6	14	59	25	41	----	2.0	27.7	18.1
15	0.0	727	--	----	----	----	0.034	3.7	----	----	----	----	3.5	3.1	25.7	18.6
15	2.0	731	--	3.8	1.1	0.78	0.034	3.6	23	60	16	25	----	3.1	25.8	18.6
15	5.0	735	--	----	----	----	0.037	4.6	----	----	----	----	----	3.6	25.3	18.8
15	10.0	738	--	----	----	----	0.028	2.1	----	----	----	----	----	2.8	27.7	17.9
14	1.0	804	--	----	----	----	0.036	4.1	21	47	31	31	----	3.5	25.5	18.9
13	1.0	815	--	----	----	----	0.040	5.2	18	65	16	27	----	4.1	24.3	19.2
12	0.0	840	--	----	----	----	0.039	5.1	----	----	----	----	3.9	4.2	21.8	19.5
12	2.0	842	--	5.3	2.4	0.69	0.040	5.2	25	53	20	25	----	4.2	21.7	19.5
12	6.0	847	--	----	----	----	0.044	6.4	26	64	9	23	----	7.0	21.8	19.5
11	1.0	914	--	----	----	----	0.042	5.8	54	33	12	24	----	2.9	19.3	19.5
10	1.0	937	--	----	----	----	0.069	13.1	70	20	8	14	----	3.4	14.6	19.9
9	0.0	948	--	----	----	----	0.088	18.2	----	----	----	----	3.1	4.2	13.4	20.1
9	2.0	952	--	19.7	5.2	0.79	0.089	18.5	71	22	6	13	----	4.7	13.6	20.1
9	5.0	957	--	----	----	----	0.092	19.3	----	----	----	----	----	5.7	13.8	20.1
9	10.0	959	--	----	----	----	0.089	18.5	----	----	----	----	----	6.8	14.8	20.0
9	17.0	1003	--	----	----	----	0.076	15.1	60	33	6	15	----	8.4	16.5	19.8
8	1.0	1025	--	----	----	----	0.111	24.5	71	25	2	12	----	6.2	12.6	20.2
7	1.0	1039	--	----	----	----	0.104	22.8	75	16	7	17	----	3.9	10.8	20.5
6	0.0	1106	--	----	----	----	0.111	24.5	----	----	----	----	4.9	4.5	6.8	21.1
6	2.0	1109	--	24.9	2.0	0.93	0.112	24.9	74	15	9	11	----	4.5	6.8	21.1
6	6.0	1113	--	----	----	----	0.112	24.9	73	0	26	12	----	5.1	7.8	20.9
5	1.0	1143	--	----	----	----	0.090	18.9	66	0	33	15	----	5.0	4.6	21.2
4	1.0	1155	--	----	----	----	0.071	13.6	55	32	11	19	----	4.7	3.3	21.5
3	0.0	1215	--	----	----	----	0.070	13.4	----	----	----	----	5.7	5.1	2.6	21.6
3	2.0	1218	--	11.7	3.1	0.79	0.070	13.4	44	43	11	21	----	5.1	2.6	21.6
3	5.0	1222	--	----	----	----	0.068	12.9	----	----	----	----	----	5.3	2.6	21.5
3	10.0	1226	--	----	----	----	0.098	21.0	63	33	3	16	----	9.4	3.4	21.4
2	1.0	1248	--	----	----	----	0.061	11.0	----	----	----	----	----	4.7	2.0	21.7
652	1.0	1312	--	----	----	----	0.048	7.6	27	52	19	26	----	4.9	0.2	22.1
657	1.0	1327	--	----	----	----	0.052	8.5	----	----	----	----	----	3.9	0.1	22.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.99	-5.43	269.92	1.05
EXT COEFF vs NEPHELOMETER	6	0.79	0.51	4.17	0.72

Location: South SF Bay
Date: September 5,1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
30	1.0	812	--	4.2	2.6	0.61	0.052	4.5	4	55	40	20	3.3	----	29.1	21.8
29	1.0	840	--	----	----	----	0.042	3.5	6	72	20	27	----	----	29.4	21.5
28	1.0	847	--	----	----	----	0.034	2.8	1	72	25	24	----	----	29.5	21.3
27	1.0	857	--	1.2	2.1	0.36	0.029	2.3	0	45	54	29	1.3	----	29.7	21.2
26	1.0	910	--	----	----	----	-----	----	----	----	----	----	----	----	30.1	20.9
25	1.0	922	--	----	----	----	0.017	1.1	1	44	53	36	----	----	30.2	20.4
24	1.0	934	--	1.1	0.8	0.56	0.018	1.2	0	18	81	29	0.8	----	30.8	20.7
23	1.0	949	--	----	----	----	-----	----	----	----	----	----	----	----	30.9	20.0
22	1.0	1002	--	----	----	----	0.019	1.3	1	52	45	28	----	----	31.1	19.7
21	1.0	1014	--	1.5	0.9	0.61	0.021	1.5	7	33	58	24	1.0	----	31.0	18.9
20	1.0	1033	--	----	----	----	-----	----	----	----	----	----	----	----	31.1	18.2
19	1.0	1057	--	4.2	2.0	0.68	0.032	2.6	56	21	21	18	0.7	----	32.0	16.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	5	0.62	-0.54	97.20	1.15
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: September 5, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
19	1.0	1057	--	4.2	2.0	0.68	0.032	3.3	56	21	21	18	0.7	----	32.0	16.2
17	1.0	1126	--	2.3	1.5	0.62	0.026	2.0	17	43	38	24	1.1	----	29.2	18.1
16	1.0	1141	--	----	----	----	-----	----	----	----	----	----	----	----	27.8	19.3
15	1.0	1200	--	1.8	1.0	0.64	0.026	1.8	11	67	21	29	1.6	----	25.7	19.9
14	1.0	1213	--	----	----	----	0.028	2.3	----	----	----	----	----	----	25.3	20.0
13	1.0	1223	--	----	----	----	0.028	2.3	7	65	27	27	----	----	24.3	20.2
12	1.0	1237	--	2.2	0.8	0.73	0.029	2.5	2	70	27	30	1.8	----	21.0	20.6
11	1.0	1253	--	----	----	----	0.030	2.8	14	51	33	30	----	----	17.7	20.7
10	1.0	1310	--	----	----	----	0.045	6.1	48	38	13	21	----	----	13.8	21.0
9	1.0	1323	--	11.1	1.0	0.91	0.067	10.8	53	33	12	16	2.5	----	12.7	21.3
8	1.0	1337	--	----	----	----	0.081	13.8	60	31	7	14	----	----	11.5	21.2
7	1.0	1353	--	----	----	----	0.133	25.2	79	16	4	8	----	----	8.7	21.6
6	1.0	1409	--	30.2	6.2	0.83	0.152	29.3	81	17	1	8	6.0	----	7.2	21.7
5	1.0	1424	--	----	----	----	0.114	21.1	79	13	6	9	----	----	3.8	21.7
4	1.0	1435	--	----	----	----	0.076	12.8	63	24	11	14	----	----	2.3	21.8
3	1.0	1451	--	8.0	12.2	0.40	0.070	11.4	55	31	13	14	6.0	----	1.9	21.8
2	1.0	1515	--	----	----	----	0.056	8.4	37	43	18	16	----	----	1.4	21.8
652	1.0	1542	--	5.0	3.3	0.60	0.035	3.8	9	49	40	23	3.8	----	1.1	21.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	8	0.98	-3.69	217.18	1.58
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: Suisun Transect
Date: September 5, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	----	1335	1	20.8	2.4	0.90	0.05	25.8	82	16	1	9	----	22.1	10.9	21.5	12.0
71	----	1342	1	----	----	----	0.05	26.6	----	----	----	----	----	21.8	9.5	21.3	10.4
72	----	1349	1	----	----	----	0.04	23.3	----	----	----	----	----	21.6	9.0	21.6	9.4
73	----	----	1	----	----	----	0.04	23.3	81	15	3	10	----	21.8	8.6	21.5	9.1
74	----	1400	1	----	----	----	0.05	28.6	----	----	----	----	----	21.8	8.5	----	----
75	----	----	1	----	----	----	0.06	31.6	----	----	----	----	----	22.1	6.9	----	----
76	----	1412	1	26.5	4.5	0.85	0.04	23.3	86	10	3	9	----	22.3	7.5	----	----
77	----	1419	1	----	----	----	0.05	30.4	----	----	----	----	----	21.8	7.4	----	----
78	----	1430	1	32.1	5.6	0.85	0.05	30.4	89	3	6	7	----	22.3	6.7	----	----
79	----	1439	1	----	----	----	0.05	26.3	----	----	----	----	----	22.0	5.5	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	3	0.40	2.88	504.15	6.17

Location: South SF Bay
Date: September 12, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
30	1.0	635	--	2.2	0.8	0.73	0.044	2.5	----	----	----	----	----	----	29.5	20.1
27	1.0	716	--	0.6	3.5	0.15	0.034	1.4	----	----	----	----	----	----	30.2	19.9
26	1.0	726	--	----	----	----	0.031	1.2	----	----	----	----	----	----	30.5	19.9
25	1.0	740	--	----	----	----	0.029	1.0	----	----	----	----	----	----	30.9	19.6
24	1.0	750	--	1.0	2.5	0.28	0.027	0.9	----	----	----	----	----	----	31.0	19.1
23	1.0	805	--	----	----	----	0.031	1.2	----	----	----	----	----	----	30.6	18.2
22	1.0	816	--	----	----	----	0.031	1.2	----	----	----	----	----	----	30.7	17.9
21	1.0	830	--	2.7	2.7	0.50	0.037	1.8	----	----	----	----	----	----	31.0	17.1

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	4	0.46	-1.81	96.94	0.90
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: September 12, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
18	1.0	850	--	----	----	----	0.045	5.0	----	----	----	----	----	----	31.8	16.1
17	1.0	907	--	3.4	1.7	0.67	0.037	2.8	----	----	----	----	----	----	30.7	17.3
16	1.0	919	--	----	----	----	0.037	2.7	----	----	----	----	----	----	30.3	17.3
15	1.0	938	--	2.1	2.1	0.50	0.032	1.5	----	----	----	----	----	----	26.6	18.3
14	1.0	950	--	----	----	----	0.035	2.3	----	----	----	----	----	----	25.7	18.6
13	1.0	1000	--	----	----	----	0.036	2.7	----	----	----	----	----	----	26.0	18.6
12	1.0	1014	--	3.8	1.3	0.74	0.045	5.1	----	----	----	----	----	----	23.3	19.2
11	1.0	1026	--	----	----	----	0.037	2.8	----	----	----	----	----	----	19.4	19.4
10	1.0	1040	--	----	----	----	0.038	3.2	----	----	----	----	----	----	16.5	19.6
9	1.0	1047	--	6.8	2.3	0.75	0.043	4.5	----	----	----	----	----	----	14.7	19.7
8	1.0	1052	--	----	----	----	0.047	5.7	----	----	----	----	----	----	14.3	19.7
7	1.0	1129	--	9.1	6.3	0.59	0.071	12.4	----	----	----	----	----	----	12.1	20.0
6	1.0	1145	--	----	----	----	0.144	32.8	----	----	----	----	----	----	7.9	20.5
5	1.0	1200	--	27.3	7.5	0.78	0.119	25.9	----	----	----	----	----	----	3.7	20.3
4	1.0	1216	--	----	----	----	0.081	15.2	----	----	----	----	----	----	2.0	20.3
3	1.0	1243	--	9.3	10.3	0.48	0.061	9.6	----	----	----	----	----	----	1.4	20.3

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.95	-7.52	280.72	2.06
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South SF Bay
Date: September 19, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	906	0	----	----	----	0.059	3.3	----	----	----	----	7.7	7.8	24.2	18.2
36	2.0	911	0	3.2	11.6	0.21	0.063	3.5	0	69	30	43	----	9.1	24.4	18.2
36	4.0	923	0	----	----	----	0.061	3.4	9	73	17	40	----	8.2	25.5	18.2
35	1.0	940	0	----	----	----	0.057	3.2	0	66	33	41	----	8.0	25.8	18.6
34	1.0	946	0	----	----	----	0.059	3.3	7	65	26	40	----	8.5	27.1	18.7
33	1.0	957	0	----	----	----	0.042	2.3	6	42	50	41	----	3.5	27.9	19.0
32	0.0	1012	0	----	----	----	0.037	2.1	----	----	----	----	2.8	2.5	28.6	19.1
32	2.0	1016	0	1.8	2.5	0.42	0.037	2.1	6	59	34	56	----	2.6	28.7	19.2
32	5.0	1023	0	----	----	----	0.038	2.1	----	----	----	----	----	2.8	28.7	19.0
32	8.0	1029	0	----	----	----	0.040	2.2	16	32	51	38	----	3.1	29.0	18.9
31	1.0	1044	0	----	----	----	0.038	2.1	0	54	45	40	----	2.3	29.0	19.3
30	0.0	1107	0	----	----	----	0.031	1.7	----	----	----	----	2.1	1.9	29.5	19.6
30	2.0	1111	0	1.4	2.8	0.33	0.030	1.7	0	41	58	52	----	2.1	29.5	19.6
30	5.0	1118	0	----	----	----	0.031	1.7	----	----	----	----	----	2.3	29.7	19.6
30	10.0	1123	0	----	----	----	0.033	1.8	13	47	38	51	----	2.9	29.7	19.5
29	1.0	1150	0	----	----	----	0.031	1.7	3	61	35	51	----	2.6	30.0	19.6
28	1.0	1202	0	----	----	----	0.029	1.6	4	53	42	50	----	2.2	30.1	19.7
27	0.0	1217	0	----	----	----	0.026	1.4	----	----	----	----	2.6	2.4	30.4	19.5
27	2.0	1221	0	1.5	3.3	0.31	0.028	1.5	13	71	14	47	----	3.0	30.3	19.4
27	5.0	1228	0	----	----	----	0.030	1.7	----	----	----	----	----	3.4	30.3	19.4
27	9.0	1232	0	----	----	----	0.032	1.8	11	60	27	44	----	3.9	30.3	19.4
26	1.0	1248	0	----	----	----	0.026	1.4	0	57	42	42	----	2.6	30.6	19.4
25	1.0	1302	0	----	----	----	0.026	1.4	----	----	----	----	----	2.2	30.7	19.7
24	0.0	1321	0	----	----	----	0.024	1.3	----	----	----	----	2.0	2.0	30.7	18.6
24	2.0	1324	0	1.1	2.2	0.34	0.025	1.4	7	63	29	41	----	2.0	30.7	18.6
24	8.0	1333	0	----	----	----	0.026	1.4	3	79	16	44	----	2.4	30.7	18.5
24	2.0	1335	0	----	----	----	0.026	1.4	----	----	----	----	----	2.3	30.7	18.5
23	1.0	1352	0	----	----	----	0.035	1.9	0	58	41	49	----	1.6	30.3	17.4
22	1.0	1403	0	----	----	----	0.037	2.1	19	51	28	31	----	1.6	30.5	16.9
21	0.0	1424	0	----	----	----	0.037	2.1	----	----	----	----	1.3	1.6	30.2	16.9
21	2.0	1427	0	3.4	2.2	0.61	0.039	2.2	8	55	36	37	----	1.6	30.1	16.8
21	5.0	1436	0	----	----	----	0.038	2.1	----	----	----	----	----	1.6	30.8	16.6
21	10.0	1441	0	----	----	----	0.046	2.6	----	----	----	----	----	1.7	31.5	15.4
21	14.0	1444	0	----	----	----	0.048	2.7	7	61	30	33	----	1.9	31.5	15.4

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.62	-0.02	56.06	0.67
EXT COEFF vs NEPHELOMETER	6	0.99	0.84	3.64	0.26

Location: North SF Bay
Date: September 19, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1529	--	----	----	----	0.050	----	----	----	----	----	----	----	31.7	15.3
16	1.0	1536	--	----	----	----	0.042	----	----	----	----	----	----	----	31.5	15.5
15	1.0	1600	--	----	----	----	0.040	----	----	----	----	----	----	----	27.8	17.9
14	1.0	1611	--	----	----	----	0.038	----	----	----	----	----	----	----	28.8	17.3
13	1.0	1639	--	----	----	----	0.040	----	----	----	----	----	----	----	26.2	18.4
12	1.0	1652	--	----	----	----	0.037	----	----	----	----	----	----	----	23.6	19.2
11	1.0	1706	--	----	----	----	0.035	----	----	----	----	----	----	----	21.3	19.4
10	1.0	1721	--	----	----	----	0.037	----	----	----	----	----	----	----	18.0	20.0
9	1.0	1731	--	----	----	----	0.039	----	----	----	----	----	----	----	16.0	19.9
8	1.0	1742	--	----	----	----	0.042	----	----	----	----	----	----	----	14.8	20.0
7	1.0	1828	--	----	----	----	0.048	----	----	----	----	----	----	----	12.2	20.0
6	1.0	1848	--	----	----	----	0.070	----	----	----	----	----	----	----	8.9	20.1
5	1.0	1904	--	----	----	----	0.139	----	----	----	----	----	----	----	4.0	20.3
4	1.0	1918	--	----	----	----	0.098	----	----	----	----	----	----	----	2.1	20.2
3	1.0	1939	--	----	----	----	0.073	----	----	----	----	----	----	----	1.7	20.2
2	1.0	1951	--	----	----	----	0.057	----	----	----	----	----	----	----	1.0	20.2
652	1.0	2024	--	----	----	----	0.040	----	----	----	----	----	----	----	0.2	19.1
657	1.0	2059	--	----	----	----	0.035	----	----	----	----	----	----	----	0.1	19.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: San Pablo Transect
Date: September 19, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	----	1615	-1	3.1	0.8	0.80	12.11	3.6	----	----	----	----	1.7	17.6	29.0	----	----
141	----	1623	-1	----	----	----	9.00	1.7	----	----	----	----	1.9	18.4	27.5	----	----
142	----	1629	-1	----	----	----	11.42	3.2	----	----	----	----	2.1	19.7	23.8	18.2	26.6
143	----	1635	-1	----	----	----	8.65	1.4	----	----	----	----	1.9	19.4	21.4	18.4	25.9
144	----	1641	-1	3.7	0.9	0.81	11.42	3.2	----	----	----	----	2.1	19.6	21.3	18.5	22.5
145	----	1649	-1	----	----	----	10.03	2.3	----	----	----	----	1.7	20.2	21.5	----	----
146	----	1652	-1	----	----	----	11.25	3.1	----	----	----	----	2.1	19.5	23.4	18.3	23.5
147	----	1655	-1	----	----	----	17.13	6.7	----	----	----	----	2.5	19.3	24.7	17.5	24.6
148	----	1700	-1	8.2	2.0	0.80	19.38	8.2	----	----	----	----	3.3	18.2	24.7	17.0	25.2
150	----	1710	-1	----	----	----	8.65	1.4	----	----	----	----	1.9	19.5	20.5	----	----
151	----	1716	-1	----	----	----	8.48	1.3	----	----	----	----	2.1	19.5	20.0	18.5	23.9
152	----	1721	-1	2.7	1.1	0.71	10.73	2.7	----	----	----	----	2.1	19.3	19.8	----	----
153	----	1731	-1	----	----	----	-----	----	----	----	----	----	3.0	19.7	19.5	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.97	-3.96	0.63	0.54

Location: Suisun Transect
Date: September 19, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	----	1810	-1	3.6	1.4	0.73	12.63	3.9	0	63	36	28	2.0	20.0	13.8	19.7	15.9
71	----	----	-1	----	----	----	17.13	8.2	----	----	----	----	3.0	20.0	10.0	19.8	13.0
72	----	----	-1	----	----	----	20.93	11.8	----	----	----	----	3.8	20.0	9.8	20.0	11.5
73	----	----	-1	36.1	1.0	0.97	46.50	36.1	70	23	6	7	6.0	20.0	6.7	20.0	10.5
74	----	----	-1	----	----	----	27.50	18.0	----	----	----	----	7.5	19.8	5.9	----	----
75	----	----	-1	----	----	----	39.00	29.0	----	----	----	----	5.0	20.1	4.3	----	----
76	----	----	0	30.4	2.7	0.92	38.00	28.0	77	21	0	14	4.3	19.7	4.5	----	----
77	----	----	0	----	----	----	47.00	36.6	----	----	----	----	6.0	19.8	4.3	----	----
78	----	----	0	29.7	2.5	0.92	42.00	31.8	79	18	2	12	5.0	19.3	3.8	19.8	4.8
79	----	----	0	----	----	----	36.50	26.6	----	----	----	----	5.0	19.9	4.2	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.98	-8.09	0.95	2.28

Location: North SF Bay
Date: September 20, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
657	0.0	636	0	----	----	----	0.030	1.0	----	----	----	----	----	2.0	0.1	18.7
657	2.0	641	0	2.9	1.1	0.73	0.030	1.0	37	57	4	31	----	2.1	0.1	18.8
657	4.0	647	0	----	----	----	0.030	1.0	31	51	16	33	----	2.1	0.1	18.8
652	1.0	725	0	----	----	----	0.036	2.7	----	----	----	----	----	4.0	0.1	18.7
2	1.0	759	0	----	----	----	0.058	9.0	52	16	31	25	----	6.0	0.7	19.7
3	0.0	814	0	----	----	----	0.070	12.4	----	----	----	----	7.2	7.4	0.9	19.5
3	2.0	818	0	11.7	5.0	0.70	0.070	12.4	35	42	22	25	----	7.4	0.9	19.5
3	5.0	826	0	----	----	----	0.070	12.4	----	----	----	----	----	7.7	0.9	19.4
3	9.0	830	0	----	----	----	0.072	13.0	25	38	36	18	----	8.3	1.0	19.4
4	1.0	849	0	----	----	----	0.094	19.3	63	27	9	22	----	6.3	1.7	19.6
5	1.0	902	0	----	----	----	0.123	27.8	80	14	5	11	----	5.0	2.6	19.5
6	0.0	924	0	----	----	----	0.152	35.9	----	----	----	----	5.3	5.1	3.7	19.6
6	2.0	928	0	44.8	6.5	0.87	0.180	44.1	80	15	4	8	----	7.4	5.3	19.7
6	5.0	935	0	----	----	----	0.180	44.1	80	16	2	7	----	9.8	5.5	19.7
7	1.0	1001	0	----	----	----	0.136	31.4	78	18	2	13	----	6.3	7.5	19.7
8	1.0	1010	0	----	----	----	0.142	33.2	37	52	9	24	----	5.9	7.1	19.7
9	0.0	1030	0	----	----	----	0.060	9.6	----	----	----	----	3.3	3.3	10.2	19.6
9	2.0	1033	0	8.9	4.2	0.68	0.063	10.4	55	32	11	20	----	3.8	10.3	19.6
9	5.0	1039	0	----	----	----	0.065	11.0	----	----	----	----	----	3.9	10.3	19.6
9	10.0	1044	0	----	----	----	0.067	11.6	53	30	15	20	----	4.1	10.3	19.6
10	1.0	1100	0	----	----	----	0.057	8.7	43	40	15	25	----	3.6	10.9	19.6
11	1.0	1113	0	----	----	----	0.039	3.4	85	9	5	12	----	3.3	14.5	19.6
12	0.0	1130	0	----	----	----	0.030	1.0	----	----	----	----	1.7	1.7	15.1	19.5
12	2.0	1134	0	2.1	3.2	0.40	0.030	1.0	18	53	28	39	----	2.4	18.1	19.3
12	5.0	1139	0	----	----	----	0.028	0.4	3	64	32	48	----	6.3	21.5	18.9
13	1.0	1152	0	----	----	----	0.033	1.8	13	51	34	40	----	1.6	18.3	19.3
14	1.0	1215	0	----	----	----	0.037	3.0	16	57	26	42	----	1.7	21.3	18.8
15	0.0	1236	0	----	----	----	0.032	1.6	----	----	----	----	1.6	1.3	23.3	18.9
15	2.0	1239	0	2.7	1.5	0.64	0.033	1.8	6	64	28	32	----	1.4	24.7	18.2
15	6.0	1245	0	----	----	----	0.036	2.7	19	36	43	22	----	2.0	26.5	17.8
16	1.0	1318	0	----	----	----	0.042	4.4	6	35	57	15	----	1.1	26.6	17.6
17	0.0	1342	0	----	----	----	0.039	3.6	----	----	----	----	0.8	0.9	28.2	17.1
17	2.0	1345	0	3.1	1.1	0.73	0.039	3.6	20	34	44	23	----	0.9	30.1	16.4
17	5.0	1350	0	----	----	----	0.039	3.6	----	----	----	----	----	0.9	30.1	16.4
17	10.0	1356	0	----	----	----	0.046	5.6	36	37	26	19	----	0.8	30.7	15.8
19	2.0	1455	0	2.6	1.1	0.70	0.042	4.4	51	19	28	20	0.4	0.6	32.1	14.2
19	5.0	1452	0	----	----	----	0.045	5.3	----	----	----	----	----	0.7	32.2	14.0
19	10.0	1448	0	----	----	----	0.047	5.9	----	----	----	----	----	0.7	32.3	13.8
19	22.0	1442	0	----	----	----	0.051	7.0	47	28	23	17	----	0.9	32.4	13.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	8	0.99	-7.62	286.67	1.44
EXT COEFF vs NEPHELOMETER	7	0.99	0.30	4.75	0.22

Location: South SF Bay
Date: October 11, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	929	--	----	----	----	0.045	3.7	----	----	----	----	1.5	1.4	28.5	19.7
36	2.0	933	--	3.2	2.8	0.53	0.045	3.7	9	78	12	3[illegible]	----	1.4	28.8	19.6
36	4.0	939	--	----	----	----	0.044	3.7	13	34	51	34	----	1.4	28.8	19.6
35	1.0	953	--	----	----	----	0.052	4.2	4	28	67	29	----	1.1	29.2	19.5
34	1.0	1003	--	----	----	----	0.048	3.9	2	34	62	41	----	1.0	29.6	19.5
33	1.0	1009	--	----	----	----	0.050	4.0	0	36	63	32	----	1.0	29.7	19.5
32	0.0	1018	--	----	----	----	0.033	2.9	----	----	----	----	0.9	0.9	29.9	19.6
32	2.0	1022	--	2.9	1.1	0.72	0.032	2.9	0	24	75	31	----	0.9	30.0	19.5
32	5.0	1032	--	----	----	----	0.030	2.7	----	----	----	----	----	0.8	30.0	19.6
32	10.0	1039	--	----	----	----	0.027	2.5	0	35	64	43	----	0.8	30.0	----
31	1.0	1058	--	----	----	----	0.033	2.9	7	15	76	38	----	0.8	30.1	19.6
30	0.0	1117	--	----	----	----	0.024	2.3	----	----	----	----	0.6	0.7	30.2	19.6
30	2.0	1121	--	1.8	0.8	0.68	0.025	2.4	9	0	90	39	----	0.7	30.2	19.6
30	5.0	1128	--	----	----	----	0.021	2.1	----	----	----	----	----	0.8	30.2	19.3
30	10.0	1132	--	----	----	----	0.021	2.1	----	----	----	----	----	0.8	30.2	----
29	1.0	1156	--	----	----	----	0.019	2.0	0	14	85	34	----	0.7	30.4	19.0
28	1.0	1202	--	----	----	----	0.023	2.2	13	11	74	43	----	0.6	30.4	19.2
27	0.0	1220	--	----	----	----	0.021	2.1	----	----	----	----	0.6	0.6	30.5	19.1
27	2.0	1224	--	2.1	0.6	0.79	0.020	2.1	5	5	89	49	----	0.6	30.5	19.3
27	5.0	1228	--	----	----	----	0.021	2.1	----	----	----	----	----	0.7	30.5	19.1
27	12.0	1232	--	----	----	----	0.020	2.1	----	----	----	----	----	1.0	30.6	----
26	1.0	1251	--	----	----	----	0.030	2.7	0	23	76	35	----	0.8	30.6	19.6
25	1.0	1259	--	----	----	----	0.030	2.7	13	40	45	32	----	0.9	30.6	19.7
24	0.0	1318	--	----	----	----	0.027	2.5	----	----	----	----	1.3	1.5	30.2	19.2
24	2.0	1323	--	2.2	2.3	0.48	0.026	2.4	18	38	43	36	----	1.5	30.2	19.3
24	7.0	1328	--	----	----	----	0.026	2.5	6	25	67	32	----	1.5	30.3	19.3
23	1.0	1349	--	----	----	----	0.027	2.5	----	----	----	----	----	1.0	29.8	17.4
22	1.0	1400	--	----	----	----	0.032	2.8	12	25	61	17	----	0.9	29.6	16.8
21	0.0	1417	--	----	----	----	0.035	3.0	----	----	----	----	0.9	0.8	29.7	16.9
21	2.0	1421	--	3.6	1.7	0.68	0.036	3.1	10	20	69	17	----	0.8	29.7	17.2
21	5.0	1426	--	----	----	----	0.033	2.9	----	----	----	----	----	1.0	29.7	17.1
21	15.0	1432	--	----	----	----	0.034	3.0	13	39	47	19	----	1.3	29.8	----
20	1.0	1455	--	----	----	----	0.029	2.6	13	38	48	22	----	0.8	29.8	15.6
19	2.0	1543	--	3.6	1.3	0.73	0.032	2.8	20	41	37	17	0.6	0.7	30.7	15.0
19	5.0	1538	--	----	----	----	0.032	2.8	----	----	----	----	----	0.7	30.7	14.9
19	10.0	1534	--	----	----	----	0.031	2.8	----	----	----	----	----	0.8	30.8	14.5
19	15.0	1530	--	----	----	----	0.032	2.9	----	----	----	----	----	0.8	30.6	14.4
19	20.0	1526	--	----	----	----	0.031	2.8	21	28	49	20	----	0.8	30.9	14.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.54	0.70	67.03	0.54
EXT COEFF vs NEPHELOMETER	7	0.89	0.18	5.14	0.13

Location: North SF Bay
Date: October 12, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	0.0	635	--	----	----	----	0.026	0.8	----	----	----	----	----	1.0	25.3	16.8
17	2.0	641	--	3.4	1.1	0.75	0.031	2.5	20	26	53	27	----	1.1	27.0	16.2
17	5.0	646	--	----	----	----	0.031	2.6	----	----	----	----	----	1.0	29.0	15.4
17	9.0	651	--	----	----	----	0.032	3.0	23	32	43	19	----	1.2	29.6	15.1
16	1.0	715	--	----	----	----	0.029	1.7	3	39	56	30	----	1.1	24.9	17.1
15	0.0	748	--	----	----	----	0.028	1.6	----	----	----	----	1.2	1.3	24.6	16.8
15	2.0	753	--	2.5	1.1	0.69	0.027	1.0	3	43	53	36	----	1.3	23.6	16.9
15	5.0	800	--	----	----	----	0.028	1.6	----	----	----	----	----	1.4	24.8	16.7
15	10.0	805	--	----	----	----	0.029	1.8	11	46	41	22	----	1.6	25.2	16.7
14	1.0	837	--	----	----	----	0.029	1.8	18	36	44	35	----	1.2	24.0	16.7
13	1.0	846	--	----	----	----	0.033	3.2	0	50	49	43	----	1.4	22.1	19.0
12	0.0	909	--	----	----	----	0.027	1.3	----	----	----	----	1.4	1.3	19.4	17.9
12	2.0	913	--	2.4	1.4	0.63	0.026	0.8	14	34	50	38	----	1.9	21.5	17.6
12	5.0	918	--	----	----	----	0.028	1.5	21	31	47	30	----	2.4	22.0	17.5
11	1.0	952	--	----	----	----	0.036	4.2	11	26	62	32	----	1.2	17.2	18.3
10	1.0	1004	--	----	----	----	0.029	1.7	9	45	45	53	----	4.5	15.3	18.5
9	0.0	1025	--	----	----	----	0.042	6.4	----	----	----	----	1.9	2.1	13.7	18.5
9	2.0	1035	--	4.2	1.8	0.70	0.034	3.4	48	21	30	36	----	2.0	15.0	18.4
9	5.0	1039	--	----	----	----	0.034	3.6	----	----	----	----	----	2.7	16.2	18.2
9	10.0	1045	--	----	----	----	0.035	3.9	38	46	14	34	----	3.1	16.6	18.2
8	1.0	1107	--	----	----	----	0.042	6.2	45	29	24	27	----	2.9	14.6	18.5
7	1.0	1118	--	----	----	----	0.086	21.8	74	20	4	15	----	6.5	11.7	18.8
6	0.0	1144	--	----	----	----	0.133	38.1	----	----	----	----	8.8	7.6	6.6	19.1
6	2.0	1151	--	41.0	9.1	0.82	0.131	37.2	80	11	7	9	----	8.8	7.2	19.1
6	6.0	1158	--	----	----	----	0.127	35.8	76	14	9	9	----	8.7	7.9	19.0
5	1.0	1323	--	----	----	----	0.145	42.0	73	18	8	9	----	9.3	3.8	19.4
4	1.0	1336	--	----	----	----	0.093	24.2	----	----	----	----	----	9.2	1.6	19.9
3	0.0	1359	--	----	----	----	0.074	17.6	----	----	----	----	7.3	8.3	1.0	19.9
3	2.0	1404	--	9.6	1.0	0.91	0.075	17.9	43	26	30	16	----	7.7	0.9	19.8
3	5.0	1410	--	----	----	----	0.079	19.4	----	----	----	----	----	8.6	1.4	19.6
3	9.0	1416	--	----	----	----	0.085	21.2	60	9	30	12	----	9.5	1.6	19.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.92	-8.23	347.50	4.73
EXT COEFF vs NEPHELOMETER	5	0.95	0.21	6.13	0.92

Location: San Pablo Transect
Date: Oct 12, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	6.9	825	1	4.4	1.0	0.81	9.32	3.7	9	17	72	27	1.5	17.5	21.8	16.7	24.8
141	4.4	831	1	----	----	----	8.62	3.2	----	----	----	----	2.1	16.9	23.8	17.0	23.8
142	3.2	837	0	----	----	----	9.38	3.7	----	----	----	----	3.8	17.3	21.8	17.4	22.3
143	3.0	842	0	----	----	----	9.19	3.6	----	----	----	----	3.8	17.6	20.5	17.8	20.5
144	3.2	846	0	4.2	2.7	0.61	9.89	4.1	12	52	35	28	3.8	17.6	20.0	20.0	17.8
145	3.1	852	0	----	----	----	12.11	5.7	----	----	----	----	3.8	18.4	20.0	20.0	18.5
146	3.1	856	0	----	----	----	14.53	7.4	----	----	----	----	3.8	18.2	20.5	18.4	20.2
147	2.7	901	0	----	----	----	23.70	14.1	----	----	----	----	5.0	17.8	20.8	17.8	20.8
148	2.4	906	0	11.7	1.4	0.89	20.59	11.8	13	55	31	16	5.0	17.3	21.2	17.3	15.6
149	4.8	922	0	----	----	----	24.05	14.3	----	----	----	----	15.0	16.8	23.1	16.7	23.0
150	3.2	945	0	----	----	----	8.81	3.3	----	----	----	----	2.7	17.4	21.0	17.6	21.0
151	3.2	954	0	----	----	----	9.00	3.4	2	40	56	32	2.7	17.6	21.3	17.5	21.6
152	3.1	1000	0	2.2	0.0	0.99	8.37	3.0	----	----	----	----	2.7	17.5	21.2	17.5	21.2
153	5.7	1007	0	----	----	----	8.24	2.9	13	76	9	17	1.9	17.5	21.5	17.4	22.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.98	-3.08	0.72	0.73

Location: Suisun Transect
Date: October 12, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	7.2	1039	1	12.1	2.7	0.82	31.49	22.9	59	28	12	11	5.0	19.1	10.4	18.8	12.4
71	7.3	1045	1	----	----	----	33.56	23.6	----	----	----	----	7.5	18.9	10.5	18.9	11.1
72	7.3	1051	1	----	----	----	20.50	19.2	----	----	----	----	7.5	19.0	8.2	19.0	8.2
73	7.3	1058	1	32.8	5.0	0.87	52.00	29.9	78	18	2	7	7.5	19.0	6.5	19.0	7.3
74	2.7	1103	1	----	----	----	32.00	23.1	----	----	----	----	10.0	19.1	5.5	19.1	5.7
75	----	1110	1	----	----	----	28.00	21.8	----	----	----	----	7.5	19.2	4.9	----	----
76	----	1118	1	28.8	3.3	0.90	24.00	20.4	49	35	15	15	6.0	18.9	3.4	----	----
77	----	1125	1	----	----	----	26.00	21.1	----	----	----	----	7.5	19.6	3.4	----	----
78	5.7	1137	1	19.6	1.2	0.94	23.00	20.1	46	32	21	15	5.0	19.9	4.6	19.1	5.4
79	7.3	1145	1	----	----	----	43.00	26.8	----	----	----	----	7.5	19.5	4.1	19.1	4.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.24	12.30	0.34	9.90

Location: South SF Bay
Date: November 8, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	913	--	----	----	----	0.037	3.2	----	----	----	----	1.3	1.0	28.0	----
36	2.0	919	--	3.2	1.3	0.71	0.034	3.0	0	26	73	47	----	1.0	28.3	----
36	4.0	927	--	----	----	----	0.029	2.6	----	----	----	----	----	1.0	28.5	----
35	1.0	1011	--	----	----	----	0.038	3.3	4	33	61	34	----	1.0	28.8	16.2
34	1.0	1017	--	----	----	----	0.035	3.1	5	23	70	38	----	1.0	28.9	16.2
33	1.0	1029	--	----	----	----	0.030	2.7	0	36	63	44	----	1.1	29.4	16.2
32	0.0	1040	--	----	----	----	0.037	3.2	----	----	----	----	1.2	1.0	29.3	16.2
32	2.0	1043	--	2.5	1.6	0.61	0.030	2.7	7	44	48	43	----	1.1	29.4	16.1
32	5.0	1051	--	----	----	----	0.028	2.6	----	----	----	----	----	1.3	29.5	16.1
32	10.0	1055	--	----	----	----	0.029	2.6	13	49	37	42	----	1.7	29.5	16.1
31	1.0	1113	--	----	----	----	0.034	3.0	15	32	52	34	----	1.2	29.6	16.3
30	0.0	1130	--	----	----	----	0.025	2.4	----	----	----	----	1.1	0.9	29.9	16.3
30	2.0	1135	--	2.8	0.8	0.77	0.026	2.4	16	35	47	40	----	1.0	29.9	16.2
30	5.0	1140	--	----	----	----	0.022	2.1	----	----	----	----	----	1.2	30.0	16.1
30	12.0	1145	--	----	----	----	0.022	2.1	0	39	60	47	----	1.3	30.1	16.0
29	1.0	1211	--	----	----	----	0.022	2.1	0	55	44	52	----	1.1	30.2	16.2
28	1.0	1216	--	----	----	----	0.022	2.1	2	40	57	52	----	1.1	30.3	16.1
27	0.0	1235	--	----	----	----	0.021	2.1	----	----	----	----	1.0	1.2	30.4	16.1
27	2.0	1238	--	1.9	1.3	0.59	0.023	2.2	12	44	42	39	----	1.2	30.4	16.1
27	7.0	1244	--	----	----	----	0.022	2.1	10	58	31	42	----	1.3	30.4	16.1
26	1.0	1305	--	----	----	----	0.025	2.4	0	48	51	40	----	1.2	30.5	16.4
25	1.0	1314	--	----	----	----	0.027	2.5	0	55	44	40	----	1.2	30.5	16.4
24	0.0	1334	--	----	----	----	0.022	2.1	----	----	----	----	----	1.0	30.3	16.4
24	2.0	1337	--	2.3	1.5	0.60	0.025	2.4	22	46	31	36	1.2	1.1	30.3	16.2
24	7.0	1344	--	----	----	----	0.025	2.4	----	----	----	----	----	1.4	30.3	16.1
23	1.0	1405	--	----	----	----	0.033	2.9	5	44	50	23	----	0.9	30.2	16.8
22	1.0	1418	--	----	----	----	0.034	3.0	4	44	51	30	----	1.0	29.8	15.0
21	0.0	1434	--	----	----	----	0.036	3.1	----	----	----	----	0.8	0.9	29.7	14.8
21	2.0	1438	--	3.8	0.8	0.82	0.039	3.3	8	43	47	20	----	0.9	29.7	14.7
21	5.0	1445	--	----	----	----	0.031	2.8	----	----	----	----	----	1.0	29.7	14.3
21	10.0	1450	--	----	----	----	0.034	3.0	----	----	----	----	----	1.2	29.8	14.2
21	14.0	1455	--	----	----	----	0.037	3.2	5	56	37	24	----	1.5	29.8	14.2
20	1.0	1522	--	----	----	----	0.038	3.3	0	43	56	30	----	0.9	30.5	13.8
19	2.0	1605	--	3.0	2.8	0.52	0.041	3.5	20	41	37	22	0.6	0.9	31.7	12.8
19	5.0	1602	--	----	----	----	0.041	3.5	----	----	----	----	----	0.9	31.7	12.8
19	10.0	1558	--	----	----	----	0.041	3.5	----	----	----	----	----	1.0	31.7	12.8
19	21.0	1553	--	----	----	----	0.044	3.7	3	38	58	17	----	1.1	31.8	12.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.67	0.59	70.60	0.39
EXT COEFF vs NEPHELOMETER	7	0.21	0.48	3.65	0.24

Location: South Bay Transect
Date: November 8, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
300	11.9	1218	0	----	----	----	8.62	0.6	0	47	52	44	1.9	16.8	29.7	15.9	30.2
301	2.4	1230	0	----	----	----	8.24	0.3	----	----	----	----	1.5	16.3	29.8	16.1	29.8
302	1.3	1238	0	2.3	0.7	0.76	10.77	1.9	14	32	53	42	1.9	16.9	29.8	16.3	30.1
303	1.2	1253	0	----	----	----	14.71	4.3	----	----	----	----	2.5	16.2	29.9	16.1	29.9
304	1.5	1302	0	4.6	1.4	0.77	15.92	5.0	6	19	73	24	1.7	16.1	30.2	15.8	30.2
305	1.5	1320	0	----	----	----	18.17	6.4	----	----	----	----	1.5	16.1	30.4	15.7	30.4
306	1.1	1314	1	8.4	1.0	0.89	20.24	7.7	11	18	70	17	1.4	15.7	29.9	15.2	29.9
307	4.0	1338	1	5.3	1.2	0.82	17.65	6.1	0	16	83	18	1.3	16.2	30.3	15.5	30.4
308	5.3	1347	1	----	----	----	18.69	6.7	----	----	----	----	1.3	16.1	30.5	15.5	----
309	7.2	1356	1	----	----	----	10.71	1.8	15	29	55	28	1.3	15.9	30.5	15.6	30.6
310	10.0	1405	1	----	----	----	8.56	0.5	----	----	----	----	1.5	16.2	30.2	15.9	30.4

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.92	-4.71	0.61	0.85

Location: North S.F. Bay
Date: November 8, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1631	--	----	----	----	0.040	----	----	----	----	----	----	----	30.5	13.8
16	1.0	1642	--	----	----	----	0.042	----	----	----	----	----	----	----	26.4	15.0
15	1.0	1705	--	----	----	----	0.036	----	----	----	----	----	----	----	25.4	14.8
14	1.0	1714	--	----	----	----	0.037	----	----	----	----	----	----	----	24.8	14.8
13	1.0	1734	--	----	----	----	0.033	----	----	----	----	----	----	----	24.9	14.8
12	1.0	1750	--	----	----	----	0.029	----	----	----	----	----	----	----	21.3	15.0
11	1.0	1801	--	----	----	----	0.028	----	----	----	----	----	----	----	18.6	15.2
10	1.0	1817	--	----	----	----	0.029	----	----	----	----	----	----	----	18.0	15.3
9	1.0	1824	--	----	----	----	0.038	----	----	----	----	----	----	----	13.0	15.8
8	1.0	1837	--	----	----	----	0.040	----	----	----	----	----	----	----	11.3	16.0
6	1.0	1905	--	----	----	----	0.051	----	----	----	----	----	----	----	6.1	15.9
5	1.0	1920	--	----	----	----	0.051	----	----	----	----	----	----	----	4.4	16.3
4	1.0	1930	--	----	----	----	0.052	----	----	----	----	----	----	----	2.7	16.2
3	1.0	1943	--	----	----	----	0.043	----	----	----	----	----	----	----	1.5	16.5
2	1.0	1952	--	----	----	----	0.040	----	----	----	----	----	----	----	1.0	16.2
652	1.0	2019	--	----	----	----	0.032	----	----	----	----	----	----	----	0.1	14.8
657	1.0	2046	--	----	----	----	0.030	----	----	----	----	----	----	----	0.1	14.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: San Pablo Transect
Date: November 8, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	10.0	1517	0	2.5	0.6	0.82	-----	----	----	----	----	----	1.7	16.0	22.8	14.4	25.8
141	7.0	1523	0	----	----	----	-----	----	----	----	----	----	1.7	15.5	22.2	14.8	23.1
142	4.0	1530	1	----	----	----	-----	----	----	----	----	----	2.1	16.6	21.1	14.8	22.9
143	3.5	1536	1	----	----	----	-----	----	----	----	----	----	2.1	16.1	20.9	15.0	21.8
144	3.0	1540	1	4.5	1.2	0.79	-----	----	----	----	----	----	2.5	15.3	21.2	15.2	21.2
145	2.5	1546	1	----	----	----	-----	----	----	----	----	----	2.5	15.2	21.2	15.1	21.2
146	2.3	1550	1	----	----	----	-----	----	----	----	----	----	2.5	14.7	20.7	14.7	20.7
147	2.5	1554	1	----	----	----	-----	----	----	----	----	----	2.5	15.2	21.0	13.8	21.4
148	1.8	1557	1	6.1	2.2	0.73	-----	----	----	----	----	----	2.5	14.7	21.2	14.6	21.5
149	8.0	1608	1	----	----	----	-----	----	----	----	----	----	5.0	13.5	21.9	12.3	22.3
150	4.0	1628	1	----	----	----	-----	----	----	----	----	----	3.8	15.1	21.4	15.0	21.4
151	3.5	1633	1	----	----	----	-----	----	----	----	----	----	4.3	14.9	21.8	14.9	21.7
152	4.0	1640	1	3.0	0.2	0.95	-----	----	----	----	----	----	1.9	15.0	20.0	15.0	22.4
153	10.0	1649	1	----	----	----	-----	----	----	----	----	----	1.9	15.1	19.0	14.4	24.1

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: November 9, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
657	0.0	630	--	----	----	----	0.024	2.1	----	----	----	----	----	1.5	0.0	13.5
657	2.0	633	--	2.9	1.3	0.69	0.024	2.1	0	55	44	46	----	1.4	0.0	13.5
657	4.0	640	--	----	----	----	0.024	2.1	----	----	----	----	----	1.4	0.0	13.5
652	1.0	640	--	----	----	----	0.027	2.7	----	----	----	----	----	1.9	0.1	14.3
2	1.0	800	--	----	----	----	0.043	6.3	19	44	35	31	----	4.2	0.8	16.0
3	0.0	817	--	----	----	----	0.063	10.7	----	----	----	----	7.4	7.3	1.4	16.0
3	2.0	822	--	9.7	6.6	0.60	0.061	10.2	45	28	26	22	----	7.0	1.4	16.0
3	5.0	829	--	----	----	----	0.068	11.8	----	----	----	----	----	8.2	1.5	16.0
3	10.0	834	--	----	----	----	0.073	12.9	52	29	18	19	----	8.8	1.8	15.9
4	1.0	910	--	----	----	----	0.092	17.1	56	31	11	14	----	11.4	3.0	16.0
5	1.0	928	--	----	----	----	0.079	14.2	59	27	13	14	----	6.6	5.5	15.7
6	0.0	950	--	----	----	----	0.047	7.1	----	----	----	----	4.5	4.6	10.5	15.4
6	2.0	954	--	8.6	7.8	0.53	0.047	7.1	48	43	8	27	----	5.0	11.0	15.3
6	6.0	1000	--	----	----	----	0.047	7.0	37	44	18	23	----	4.6	11.4	15.3
7	1.0	1032	--	----	----	----	0.031	3.6	11	60	28	36	----	2.5	16.0	15.4
8	1.0	1046	--	----	----	----	0.026	2.5	6	48	45	38	----	1.8	18.0	15.2
9	0.0	1106	--	----	----	----	0.025	2.3	----	----	----	----	1.6	1.5	15.6	15.5
9	2.0	1110	--	2.2	1.2	0.65	0.024	2.1	1	54	43	43	----	1.7	20.4	15.0
9	5.0	1115	--	----	----	----	0.024	2.1	----	----	----	----	----	1.9	21.2	14.9
9	10.0	1119	--	----	----	----	0.025	2.3	----	----	----	----	----	2.3	21.6	14.8
9	17.0	1123	--	----	----	----	0.026	2.5	14	49	36	38	----	2.5	21.9	14.8
10	1.0	1137	--	----	----	----	0.028	3.0	8	48	43	38	----	1.7	21.6	15.0
11	1.0	1156	--	----	----	----	0.029	3.2	----	----	----	----	----	1.7	21.0	15.1
12	0.0	1213	--	----	----	----	0.029	3.2	----	----	----	----	1.3	1.4	23.6	14.8
12	2.0	1219	--	2.7	0.7	0.81	0.028	2.8	12	45	42	38	----	1.4	24.7	14.6
12	7.0	1225	--	----	----	----	0.028	3.0	12	39	48	32	----	1.6	26.0	14.4
13	1.0	1250	--	----	----	----	0.035	4.5	7	51	40	28	----	1.2	23.1	15.8
15	0.0	1318	--	----	----	----	0.029	3.2	----	----	----	----	1.6	1.4	25.2	15.0
15	2.0	1321	--	3.1	0.9	0.77	0.031	3.6	4	46	49	36	----	1.5	25.2	14.9
15	5.0	1326	--	----	----	----	0.029	3.2	----	----	----	----	----	1.6	26.5	14.4
15	12.0	1330	--	----	----	----	0.029	3.2	11	36	52	26	----	1.6	27.6	14.1
16	1.0	1357	--	----	----	----	0.035	4.5	7	48	43	22	----	3.0	26.6	14.7
17	0.0	1416	--	----	----	----	0.032	3.8	----	----	----	----	0.9	1.0	28.9	14.2
17	2.0	1419	--	2.8	1.1	0.72	0.033	4.1	10	42	47	22	----	1.0	28.7	14.1
17	8.0	1425	--	----	----	----	0.033	4.1	6	47	45	26	----	1.3	29.6	13.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.92	-3.23	220.72	1.00
EXT COEFF vs NEPHELOMETER	6	1.00	0.13	5.68	0.18

Location: Suisun Bay Transect
Date: November 9, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	8.2	957	1	3.8	2.1	0.64	9.57	3.4	15	40	44	29	2.5	15.0	15.3	14.8	17.9
71	8.2	950	1	----	----	----	9.25	3.0	----	----	----	----	3.0	15.0	15.8	14.9	16.2
72	8.0	943	1	----	----	----	10.01	4.0	----	----	----	----	3.8	15.0	14.8	15.0	13.7
73	8.0	935	1	12.8	6.9	0.65	18.17	13.7	55	30	13	18	7.5	15.2	10.6	15.1	11.0
74	3.4	928	1	----	----	----	22.66	19.0	----	----	----	----	6.0	15.2	9.3	15.2	9.4
75	2.2	909	1	----	----	----	25.78	22.7	----	----	----	----	7.5	15.2	7.9	15.2	7.9
76	1.5	914	1	23.8	3.8	0.86	25.26	22.1	65	21	12	13	5.0	14.8	6.4	14.7	6.4
77	2.2	918	1	----	----	----	24.91	21.7	----	----	----	----	6.0	15.3	5.6	15.2	5.8
78	7.1	900	1	25.3	9.5	0.73	28.55	26.0	64	20	14	10	7.5	15.2	7.0	15.2	7.6
79	8.0	853	1	----	----	----	25.43	22.3	----	----	----	----	6.0	15.2	6.2	15.2	6.9
80	1.5	838	1	17.9	6.9	0.72	22.15	18.4	53	24	21	15	7.5	15.2	3.7	15.2	3.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	5	0.98	-7.96	1.19	1.24

Location: South S.F. Bay
Date: December 5, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	2.0	920	--	----	----	----	0.041	----	0	89	10	53	3.5	3.5	26.5	11.6
36	4.0	929	--	----	----	----	0.042	----	0	56	43	42	----	3.9	26.5	11.6
35	0.0	945	--	----	----	----	0.040	----	5	42	52	45	----	2.5	27.0	9.6
34	0.0	953	--	----	----	----	0.035	----	12	25	62	51	----	2.2	26.7	9.3
33	0.0	1003	--	----	----	----	0.034	----	26	34	39	45	----	2.1	28.3	10.0
32	2.0	1021	--	----	----	----	0.032	----	0	38	61	56	1.7	1.7	28.5	11.9
32	5.0	1024	--	----	----	----	0.033	----	----	----	----	----	----	1.7	28.5	11.9
32	10.0	1029	--	----	----	----	0.033	----	10	35	54	36	----	2.3	28.7	11.9
31	0.0	1049	--	----	----	----	0.032	----	----	----	----	----	----	2.0	28.9	9.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	2	1.00	0.24	1.78	0.00

Location: South SF Bay
Date: December 14, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	908	1	----	----	----	0.046	4.8	----	----	----	----	2.9	2.9	27.6	8.7
36	2.0	912	1	----	----	----	0.045	4.6	0	83	16	44	----	2.8	27.6	8.9
36	4.0	916	1	----	----	----	0.045	4.7	5	45	48	28	----	3.0	27.6	9.0
35	1.0	941	1	----	----	----	0.044	4.6	15	41	42	23	----	2.9	28.6	9.1
34	1.0	948	1	----	----	----	0.047	5.0	29	30	40	23	----	3.4	28.7	9.0
33	1.0	959	1	----	----	----	0.043	4.5	52	46	1	29	----	3.7	29.3	9.3
32	0.0	1017	1	----	----	----	0.037	3.4	----	----	----	----	2.1	2.0	29.3	9.6
32	2.0	1028	1	----	----	----	0.037	3.4	9	65	25	26	----	1.8	29.3	9.6
32	5.0	1033	1	----	----	----	0.037	3.5	----	----	----	----	----	2.3	29.4	9.5
32	10.0	1039	1	----	----	----	0.042	4.2	20	49	29	22	----	3.6	29.4	9.6
31	1.0	1052	1	----	----	----	0.037	3.5	19	50	30	37	----	1.8	29.5	9.4
30	0.0	1112	1	----	----	----	0.030	2.3	----	----	----	----	1.8	1.9	29.8	9.9
30	2.0	1122	1	2.5	2.4	0.50	0.030	2.4	18	64	17	32	----	1.9	29.8	9.9
30	6.0	1127	1	----	----	----	0.032	2.7	----	----	----	----	----	2.5	29.8	9.8
30	12.0	1138	1	----	----	----	0.034	3.0	0	68	31	52	----	3.0	29.8	9.8
29	1.0	1209	1	----	----	----	0.032	2.6	0	64	35	38	----	1.9	29.8	9.8
28	1.0	1218	1	----	----	----	0.027	1.9	0	55	44	38	----	1.6	29.8	9.8
27	0.0	1233	-1	----	----	----	0.024	1.4	----	----	----	----	1.3	1.3	30.0	10.2
27	2.0	1238	-1	1.9	1.5	0.56	0.027	1.9	8	70	20	36	----	1.5	30.0	9.8
27	5.0	1243	-1	----	----	----	0.026	1.7	----	----	----	----	----	1.6	29.9	9.8
27	11.0	1248	-1	----	----	----	0.026	1.7	36	54	8	38	----	1.9	29.9	9.7
26	1.0	1305	-1	----	----	----	0.029	2.2	25	43	30	27	----	1.4	29.7	10.1
25	1.0	1315	-1	----	----	----	0.026	1.7	15	55	28	41	----	1.5	29.5	10.3
24	0.0	1329	-1	----	----	----	0.022	1.2	----	----	----	----	1.3	1.4	29.5	10.6
24	2.0	1332	-1	1.3	1.3	0.50	0.022	1.1	3	37	59	30	----	1.3	29.4	10.5
24	4.0	1336	-1	----	----	----	0.023	1.2	----	----	----	----	----	1.5	29.5	10.3
24	7.0	1341	-1	----	----	----	0.026	1.7	7	69	23	43	----	2.3	29.4	10.3
23	1.0	1409	-1	----	----	----	0.023	1.3	14	56	29	40	----	1.3	29.6	10.8
22	1.0	1418	-1	----	----	----	0.025	1.5	18	42	38	28	----	1.3	29.9	10.6
21	0.0	1432	-1	----	----	----	0.024	1.4	----	----	----	----	1.7	1.5	29.8	10.3
21	2.0	1435	-1	1.2	2.0	0.38	0.024	1.4	0	64	35	32	----	1.5	29.8	10.3
21	8.0	1443	-1	----	----	----	0.025	1.6	21	37	40	30	----	2.0	30.1	10.3
20	1.0	1513	-1	----	----	----	0.026	1.7	22	55	22	40	----	1.5	30.4	10.4
19	0.0	1539	-1	----	----	----	0.024	1.3	----	----	----	----	1.1	1.2	31.0	10.2
19	2.0	1536	-1	1.2	1.9	0.39	0.024	1.4	14	35	50	31	----	1.2	31.1	10.4
19	10.0	1533	-1	----	----	----	0.025	1.6	14	37	48	24	----	1.3	31.3	10.4
19	20.5	1530	-1	----	----	----	0.024	1.4	----	----	----	----	----	1.3	31.2	10.4

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	5	0.92	-2.38	157.76	0.18
EXT COEFF vs NEPHELOMETER	7	0.97	0.51	4.69	0.12

Location: South Bay Transect
Date: December 14, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
300	5.7	1150	-1	2.9	1.8	0.61	10.01	2.0	29	60	10	38	1.9	9.8	29.3	9.6	29.6
301	5.6	1157	0	----	----	----	8.56	1.9	----	----	----	----	1.7	9.5	29.6	9.5	29.7
302	2.7	1207	-1	1.2	1.4	0.45	8.17	1.9	3	75	20	41	1.0	9.3	29.4	9.2	29.5
303	2.7	1215	0	----	----	----	15.92	2.6	----	----	----	----	1.4	9.2	29.5	8.9	29.5
304	2.8	1223	0	----	----	----	8.94	1.9	2	41	55	61	1.7	8.5	29.4	8.1	29.5
305	2.7	1228	-1	----	----	----	10.33	2.1	----	----	----	----	1.7	8.8	29.4	8.3	29.3
306	1.5	1235	-1	1.8	1.1	0.63	11.76	2.2	5	46	48	68	1.1	7.7	27.7	7.3	28.1
307	4.0	1246	-1	1.9	1.1	0.63	8.11	1.9	5	41	53	42	1.7	9.8	29.3	9.5	29.3
308	5.3	1253	-1	----	----	----	7.03	1.8	----	----	----	----	1.4	10.2	29.4	9.6	29.4
309	5.2	1300	-1	2.0	1.1	0.65	7.41	1.8	4	51	43	52	1.3	9.9	29.3	9.8	29.4
310	5.3	1310	-1	----	----	----	7.22	1.8	----	----	----	----	1.3	10.3	29.4	10.0	29.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	5	0.07	1.08	0.10	0.71

Location: North S.F. Bay
Date: December 14, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	2.0	1615	-1	----	----	----	0.030	----	----	----	----	----	----	----	28.0	10.7
16	2.0	1627	-1	----	----	----	0.029	----	----	----	----	----	----	----	27.6	10.1
15	2.0	1712	-1	----	----	----	0.033	----	----	----	----	----	----	----	25.6	9.8
14	2.0	1730	-1	----	----	----	0.032	----	----	----	----	----	----	----	25.5	9.8
13	2.0	1745	-1	----	----	----	0.033	----	----	----	----	----	----	----	24.0	9.7
12	2.0	1805	-1	----	----	----	0.037	----	----	----	----	----	----	----	22.4	9.5
11	2.0	1824	-1	----	----	----	0.038	----	----	----	----	----	----	----	19.9	9.4
10	2.0	1848	-1	----	----	----	0.040	----	----	----	----	----	----	----	17.8	9.3
9	2.0	1902	-1	----	----	----	0.039	----	----	----	----	----	----	----	13.9	9.2
8	2.0	1921	-1	----	----	----	0.044	----	----	----	----	----	----	----	11.3	9.1
7	2.0	1940	-1	----	----	----	0.043	----	----	----	----	----	----	----	9.1	9.0
5	2.0	2025	-1	----	----	----	0.046	----	----	----	----	----	----	----	3.4	9.0
4	2.0	2041	-1	----	----	----	0.044	----	----	----	----	----	----	----	2.1	8.9

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: San Pablo Transect
Date: December 14, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	5.1	1410	-1	0.8	0.1	0.90	6.21	0.7	8	49	41	50	1.7	10.8	27.2	9.8	28.2
141	4.2	1417	-1	----	----	----	5.89	0.6	----	----	----	----	2.1	9.8	23.7	9.8	23.2
142	2.3	1425	-1	----	----	----	7.98	1.6	----	----	----	----	3.0	9.3	19.6	9.3	20.0
143	2.2	1433	-1	----	----	----	9.25	2.2	----	----	----	----	3.0	9.5	21.5	9.3	21.5
144	2.0	1438	-1	2.4	0.2	0.91	9.51	2.3	7	7	84	33	3.0	8.5	20.4	8.8	21.5
145	0.6	1445	-1	----	----	----	9.44	2.3	----	----	----	----	3.8	8.2	19.8	8.2	20.2
146	0.8	1452	-1	----	----	----	13.67	4.3	----	----	----	----	4.3	7.7	19.7	7.7	19.8
147	1.4	1456	-1	----	----	----	15.74	5.3	----	----	----	----	3.8	7.3	20.2	6.9	20.2
148	1.6	1500	-1	9.0	1.8	0.83	23.36	8.9	15	55	29	15	4.3	7.2	20.3	6.2	20.5
149	5.1	1512	-1	----	----	----	17.47	6.1	----	----	----	----	2.1	5.8	21.6	5.7	21.6
150	1.6	1532	-1	----	----	----	10.90	3.0	----	----	----	----	6.0	9.3	21.3	9.4	21.3
151	1.6	1539	-1	----	----	----	8.94	2.0	----	----	----	----	5.0	9.3	20.9	9.3	20.9
152	1.2	1546	-1	2.0	2.4	0.45	9.25	2.2	0	81	18	35	6.0	9.4	20.2	9.4	20.2
153	4.8	1553	-1	----	----	----	7.98	1.6	----	----	----	----	4.3	9.4	20.7	9.5	24.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	1.00	-2.25	0.48	0.19

Location: North SF Bay
Date: December 15, 1978

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
3	0.0	717	--	----	----	----	0.035	3.0	----	----	----	----	----	4.9	2.3	8.9
3	2.0	712	--	2.9	3.0	0.50	0.036	3.1	13	32	54	29	----	5.2	2.8	9.0
3	5.0	707	--	----	----	----	0.037	3.2	----	----	----	----	----	5.4	2.9	9.0
3	9.0	703	--	----	----	----	0.039	3.6	21	19	58	36	----	6.7	3.0	9.0
4	1.0	731	--	----	----	----	0.037	3.2	18	51	29	47	----	4.7	3.0	8.7
5	1.0	745	--	----	----	----	0.037	3.2	23	53	23	38	----	3.9	4.8	8.6
6	0.0	808	--	----	----	----	0.035	3.0	----	----	----	----	3.8	3.4	6.8	8.8
6	2.0	813	--	3.8	3.1	0.55	0.039	3.6	6	42	50	29	----	5.3	7.7	9.0
6	4.0	818	--	----	----	----	0.045	4.5	21	35	42	25	----	9.6	8.5	9.0
7	1.0	845	--	----	----	----	0.032	2.5	7	44	48	30	----	4.4	10.1	8.8
8	1.0	859	--	----	----	----	0.035	2.9	10	51	38	31	----	3.8	9.6	8.7
9	0.0	918	--	----	----	----	0.029	2.1	----	----	----	----	3.0	2.8	12.2	9.1
9	2.0	923	--	----	----	----	0.028	2.0	0	20	79	18	----	3.1	13.3	9.3
9	5.0	931	--	----	----	----	0.029	2.1	----	----	----	----	----	3.7	14.2	9.3
9	10.0	935	--	----	----	----	0.030	2.2	----	----	----	----	----	4.0	15.9	9.4
9	15.0	943	--	----	----	----	0.031	2.4	----	----	----	----	----	5.1	17.3	9.4
10	1.0	1006	--	----	----	----	0.029	2.1	10	59	30	29	----	3.3	15.1	9.1
11	1.0	1023	--	----	----	----	0.027	1.8	----	----	----	----	----	2.8	18.7	9.3
12	0.0	1043	--	----	----	----	0.026	1.6	0	56	43	45	1.9	2.0	19.9	9.5
12	2.0	1046	--	1.6	1.4	0.55	0.025	1.6	----	----	----	----	----	1.9	21.0	9.5
12	6.0	1051	--	----	----	----	0.028	1.9	0	36	63	49	----	3.4	24.9	9.8
13	1.0	1120	--	----	----	----	0.030	2.2	0	74	25	40	----	1.3	24.2	9.5
14	1.0	1134	--	----	----	----	0.030	2.3	13	38	47	32	----	1.2	26.6	9.8
15	0.0	1151	--	----	----	----	0.026	1.7	10	46	43	25	1.7	1.3	27.2	10.0
15	2.0	1203	--	2.0	1.2	0.61	0.028	1.9	----	----	----	----	----	1.2	27.0	10.0
15	5.0	1209	--	----	----	----	0.025	1.6	8	50	41	33	----	1.2	28.0	10.1
15	8.0	1214	--	----	----	----	0.027	1.8	----	----	----	----	----	1.5	28.2	10.1
16	1.0	1245	--	----	----	----	0.024	1.3	18	42	39	35	----	0.8	30.6	10.2
17	0.0	1300	--	----	----	----	0.025	1.5	35	33	30	37	1.0	2.1	30.3	10.4
17	2.0	1305	--	1.1	0.8	0.57	0.024	1.4	----	----	----	----	----	2.3	30.8	10.4
17	5.0	1309	--	----	----	----	0.024	1.3	27	29	43	27	----	3.5	31.0	10.3
17	11.0	1314	--	----	----	----	0.026	1.7	----	----	----	----	----	5.2	31.0	10.3
19	2.0	1402	--	1.5	1.2	0.55	0.023	1.3	10	81	7	28	0.7	0.5	31.6	10.5
19	20.0	1353	--	----	----	----	0.025	1.4	25	8	66	55	----	0.5	31.8	10.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.96	-2.20	148.01	0.23
EXT COEFF vs NEPHELOMETER	6	0.77	-0.18	6.52	0.63

Location: Suisun Bay Transect
Date: December 15, 1978

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	6.0	930	1	2.1	1.7	0.56	10.03	2.1	19	47	33	34	3.8	8.4	9.7	8.7	12.9
71	5.9	923	0	----	----	----	11.42	2.9	----	----	----	----	4.3	8.3	9.0	8.7	12.2
72	6.0	916	-1	----	----	----	12.46	3.5	----	----	----	----	3.3	8.3	7.8	8.5	10.2
73	5.9	910	-1	1.7	1.5	0.54	9.25	1.7	27	12	60	43	3.3	8.3	6.7	8.7	10.2
74	3.3	905	1	----	----	----	10.38	2.3	----	----	----	----	4.3	7.8	6.4	8.2	6.7
75	2.3	841	1	----	----	----	11.76	3.1	----	----	----	----	3.8	8.2	5.6	8.2	6.7
76	1.5	850	0	4.5	2.8	0.62	14.19	4.4	20	37	42	22	4.3	7.7	6.2	7.9	6.2
77	2.0	855	0	----	----	----	11.42	2.9	----	----	----	----	3.8	7.8	5.6	8.0	6.3
78	5.4	832	1	4.3	2.2	0.66	14.19	4.4	22	45	31	25	5.0	8.1	6.6	8.3	8.1
79	5.3	825	1	----	----	----	12.80	3.6	----	----	----	----	5.0	8.3	5.8	8.2	6.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.99	-3.34	0.55	0.13

Location: South SF Bay
Date: January 15,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	905	1	----	----	----	0.044	2.6	----	----	----	----	2.4	2.4	23.4	10.1
36	2.0	909	1	2.4	2.2	0.52	0.040	2.3	0	37	62	41	----	1.2	24.6	10.0
36	4.0	916	1	----	----	----	0.036	2.1	20	32	47	10	----	1.2	26.4	9.9
35	1.0	934	1	----	----	----	0.044	2.6	37	0	62	48	----	1.2	23.6	9.8
34	1.0	939	1	----	----	----	0.038	2.2	----	----	----	----	----	1.3	26.5	9.9
33	1.0	953	1	----	----	----	0.037	2.1	8	28	62	25	----	1.2	25.3	9.9
32	0.0	1006	1	----	----	----	0.035	2.0	----	----	----	----	1.8	1.2	26.2	9.9
32	2.0	1009	1	1.9	1.9	0.49	0.034	1.9	10	36	52	27	----	1.2	26.3	9.8
32	5.0	1012	1	----	----	----	0.031	1.8	----	----	----	----	----	1.3	28.2	9.6
32	10.0	1017	1	----	----	----	0.038	2.2	9	39	50	20	----	1.5	28.4	9.6
31	1.0	1037	1	----	----	----	0.031	1.8	12	18	68	10	----	1.2	27.8	9.7
30	0.0	1057	1	----	----	----	0.025	1.4	----	----	----	----	1.2	1.2	28.7	9.6
30	2.0	1100	1	1.2	1.0	0.54	0.026	1.4	4	36	58	41	----	1.7	28.6	9.5
30	5.0	1106	1	----	----	----	0.027	1.5	----	----	----	----	----	2.0	28.8	9.4
30	11.0	1109	1	----	----	----	0.029	1.7	0	24	75	56	----	1.2	28.8	9.4
29	1.0	1143	1	----	----	----	0.031	1.8	5	16	78	50	----	1.2	28.1	9.8
28	1.0	1152	1	----	----	----	0.029	1.7	----	----	----	----	----	1.2	28.8	9.5
27	0.0	1210	1	----	----	----	0.031	1.8	----	----	----	----	1.1	1.1	27.4	9.9
27	2.0	1215	1	2.2	0.6	0.77	0.032	1.8	0	13	86	37	----	1.1	27.3	9.9
27	5.0	1223	1	----	----	----	0.035	2.1	----	----	----	----	----	1.2	28.7	9.4
27	10.0	1228	1	----	----	----	0.039	2.3	11	25	62	72	----	1.2	28.8	9.5
26	1.0	1249	1	----	----	----	0.035	2.0	10	13	75	64	----	1.1	28.6	9.7
25	1.0	1301	1	----	----	----	0.026	1.5	22	18	59	51	----	1.2	28.5	10.0
24	0.0	1320	0	----	----	----	0.027	1.5	----	----	----	----	1.0	1.1	28.4	10.1
24	2.0	1325	0	1.4	0.6	0.69	0.023	1.2	7	11	81	46	----	1.1	28.6	10.0
24	5.0	1330	0	----	----	----	0.022	1.2	----	----	----	----	----	1.2	28.6	10.0
24	9.0	1335	0	----	----	----	0.022	1.2	28	0	71	42	----	1.2	28.7	10.0
23	1.0	1351	0	----	----	----	0.023	1.3	11	20	67	34	----	1.1	28.6	10.3
22	1.0	1400	0	----	----	----	0.030	1.7	20	4	75	46	----	1.1	28.8	10.4
21	0.0	1416	-1	----	----	----	0.038	2.2	----	----	----	----	1.1	1.2	28.0	10.1
21	2.0	1420	-1	1.5	1.2	0.56	0.033	1.9	36	4	58	51	----	1.2	28.4	10.1
21	5.0	1428	-1	----	----	----	0.019	1.0	----	----	----	----	----	1.1	29.9	10.4
21	10.0	1433	-1	----	----	----	0.019	1.0	----	----	----	----	----	1.2	30.1	10.5
21	12.5	1436	-1	----	----	----	0.022	1.2	16	13	70	27	----	----	30.1	10.5
20	1.0	1500	-1	----	----	----	0.022	1.2	2	21	75	39	----	1.1	28.4	10.4
19	1.0	1520	-1	0.9	0.7	0.55	0.018	0.9	1	22	75	38	0.8	1.1	29.7	10.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.80	-0.23	64.49	0.27
EXT COEFF vs NEPHELOMETER	7	0.72	1.09	0.37	0.33

Location: North SF Bay
Date: Jan 15,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1557	-1	----	----	----	0.022	----	----	----	----	----	----	----	26.0	10.9
16	1.0	1611	-1	----	----	----	0.019	----	----	----	----	----	----	----	25.2	9.7
15	1.0	1643	-1	----	----	----	0.022	----	----	----	----	----	----	----	21.5	9.5
14	1.0	1710	-1	----	----	----	0.022	----	----	----	----	----	----	----	17.0	9.3
13	1.0	1715	-1	----	----	----	0.022	----	----	----	----	----	----	----	14.1	9.3
12	1.0	1736	-1	----	----	----	0.022	----	----	----	----	----	----	----	14.6	9.1
11	1.0	1756	-1	----	----	----	0.022	----	----	----	----	----	----	----	12.1	9.1
10	1.0	1822	-1	----	----	----	0.026	----	----	----	----	----	----	----	10.8	9.1
9	1.0	1835	-1	----	----	----	0.039	----	----	----	----	----	----	----	6.5	9.1
8	1.0	1850	-1	----	----	----	0.032	----	----	----	----	----	----	----	5.1	9.0
7	1.0	1915	-1	----	----	----	0.035	----	----	----	----	----	----	----	4.1	9.1
6	1.0	1937	-1	----	----	----	0.031	----	----	----	----	----	----	----	1.7	9.1
5	1.0	1958	-1	----	----	----	0.028	----	----	----	----	----	----	----	0.5	9.4
4	1.0	2016	-1	----	----	----	0.041	----	----	----	----	----	----	----	0.2	9.4

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: January 16,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
3	0.0	638	0	----	----	----	0.037	2.9	----	----	----	----	----	----	0.1	9.3
3	2.0	642	0	3.0	2.7	0.53	0.038	3.0	42	31	25	55	----	----	0.1	9.3
3	5.0	650	0	----	----	----	0.038	3.0	----	----	----	----	----	----	0.2	9.2
3	10.0	652	0	----	----	----	0.038	3.0	54	18	27	54	----	----	0.2	9.2
4	1.0	716	0	----	----	----	0.037	2.8	26	19	53	36	----	----	0.2	9.2
5	1.0	730	0	----	----	----	0.031	2.3	14	18	67	53	----	----	0.4	9.2
6	0.0	750	-1	----	----	----	0.032	2.4	----	----	----	----	3.3	----	1.2	9.1
6	2.0	800	-1	2.3	2.0	0.54	0.031	2.3	45	31	23	38	----	----	1.4	9.1
6	5.0	812	-1	----	----	----	0.037	2.8	21	68	9	42	----	----	2.0	9.0
7	1.0	848	-1	----	----	----	0.037	2.9	24	39	36	37	----	----	2.4	8.9
8	1.0	901	-1	----	----	----	0.040	3.2	14	43	41	34	----	----	2.8	8.9
9	0.0	917	-1	----	----	----	0.038	3.0	----	----	----	----	4.9	----	4.4	8.9
9	2.0	920	-1	----	----	----	0.039	3.1	31	29	38	35	----	----	4.3	8.9
9	5.0	929	-1	----	----	----	0.038	3.0	----	----	----	----	----	----	4.5	9.0
9	10.0	934	-1	----	----	----	0.039	3.0	28	39	31	35	----	----	4.6	9.0
10	1.0	1004	-1	----	----	----	0.038	2.9	----	----	----	----	----	----	4.4	8.9
11	1.0	1017	-1	----	----	----	0.035	2.7	36	53	9	33	----	----	7.8	9.0
12	0.0	1038	-1	----	----	----	0.030	2.2	----	----	----	----	2.6	----	8.9	9.1
12	2.0	1045	-1	1.9	1.9	0.49	0.028	2.0	7	58	34	52	----	----	12.7	9.1
12	5.0	1055	-1	----	----	----	0.025	1.7	----	----	----	----	----	----	16.7	9.2
12	7.0	1100	-1	----	----	----	0.026	1.8	39	30	29	37	----	----	20.2	9.3
13	1.0	1120	-1	----	----	----	0.028	2.0	25	60	14	58	----	----	12.7	9.0
14	1.0	1133	-1	----	----	----	0.026	1.8	14	54	31	43	----	----	18.0	9.1
15	0.0	1152	1	----	----	----	0.024	1.6	----	----	----	----	1.9	----	18.6	9.2
15	2.0	1158	1	----	----	----	0.024	1.6	58	5	35	47	----	----	20.4	9.3
15	5.0	1206	1	----	----	----	0.023	1.5	----	----	----	----	----	----	23.1	9.4
15	10.0	1213	1	----	----	----	0.030	2.2	7	72	20	32	----	----	25.2	9.7
16	1.0	1323	1	----	----	----	0.023	1.5	----	----	----	----	----	----	23.0	10.0
17	0.0	1340	1	----	----	----	0.019	1.1	----	----	----	----	0.9	----	27.5	10.1
17	2.0	1348	1	0.9	0.7	0.55	0.017	1.0	8	47	44	55	----	----	28.9	10.2
17	5.0	1353	1	----	----	----	0.018	1.0	----	----	----	----	----	----	29.6	10.4
17	11.0	1359	1	----	----	----	0.019	1.1	----	----	----	----	----	----	29.6	10.5
19	2.0	1455	1	1.1	0.4	0.72	0.017	0.9	55	2	41	54	0.8	----	29.0	10.5
19	10.0	1450	1	----	----	----	0.015	0.7	----	----	----	----	----	----	30.9	10.8
19	15.0	1446	1	----	----	----	0.015	0.8	----	----	----	----	----	----	31.5	11.0
19	22.0	1442	1	----	----	----	0.015	0.8	10	10	79	44	----	----	32.1	11.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	5	0.98	-0.69	96.06	0.16
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South Bay Transect
Date: January 16, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
300	----	1450	-1	1.9	0.6	0.76	8.94	1.7	15	37	47	54	1.3	9.6	29.0	9.3	29.4
301	----	1500	-1	----	----	----	8.05	1.5	----	----	----	----	1.3	9.8	29.5	9.8	29.1
302	----	1513	-1	1.6	0.4	0.79	7.29	1.5	0	53	46	51	1.2	10.1	27.5	9.8	27.2
303	----	1522	-1	----	----	----	9.00	1.7	----	----	----	----	1.5	9.4	28.4	9.4	27.9
304	----	1530	-1	1.1	2.2	0.33	9.25	1.7	15	34	49	43	2.1	9.8	28.1	9.6	27.4
305	----	1555	-1	----	----	----	9.44	1.7	----	----	----	----	1.5	9.5	27.9	9.6	27.6
306	----	1545	-1	2.3	1.4	0.63	11.59	2.0	14	36	48	50	3.0	9.5	27.2	9.6	24.4
307	----	1605	-1	2.0	1.7	0.53	10.21	1.8	27	53	18	38	1.9	9.6	26.1	9.5	25.8
308	----	1617	-1	----	----	----	11.25	1.9	----	----	----	----	2.1	9.7	26.2	9.7	26.2
309	----	1630	-1	2.0	1.8	0.52	12.98	2.2	21	31	47	49	1.9	9.5	26.2	9.5	26.2
310	----	1638	-1	----	----	----	10.90	1.9	----	----	----	----	1.4	9.2	25.9	9.5	26.1

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	6	0.34	0.56	0.12	0.38

Location: San Pablo Bay
Date: January 16,1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	----	1209	1	0.9	0.3	0.75	6.72	2.0	33	9	56	60	1.7	8.8	15.0	9.1	20.6
141	----	1203	1	----	----	----	7.92	2.1	----	----	----	----	1.8	8.6	11.2	9.1	20.5
142	----	1154	1	----	----	----	8.43	2.1	----	----	----	----	2.7	9.0	9.2	8.6	16.4
143	----	1045	1	----	----	----	12.63	2.5	----	----	----	----	3.3	8.8	15.4	8.4	17.2
144	----	1050	1	3.8	1.0	0.80	13.67	2.5	19	71	9	69	3.0	9.0	15.6	9.1	13.5
145	----	1056	1	----	----	----	16.61	2.8	----	----	----	----	3.0	8.6	14.6	8.6	12.0
146	----	1100	0	----	----	----	19.72	3.0	----	----	----	----	2.5	9.6	12.5	9.6	14.1
147	----	1107	0	----	----	----	20.59	3.1	----	----	----	----	3.3	9.5	11.7	9.1	10.9
148	----	1111	0	2.6	1.9	0.57	22.84	3.3	8	15	75	24	6.0	9.5	8.4	8.7	10.2
149	----	1124	0	----	----	----	29.76	3.8	----	----	----	----	10.0	9.4	2.9	8.7	10.2
150	----	1034	0	----	----	----	9.00	2.2	----	----	----	----	2.7	8.7	11.1	8.7	15.0
151	----	1027	0	----	----	----	9.69	2.2	----	----	----	----	3.0	8.7	10.3	8.7	11.3
152	----	1019	0	3.0	1.9	0.61	11.42	2.4	16	58	24	56	3.8	8.6	8.0	9.0	14.3
153	----	1009	-1	----	----	----	10.73	2.3	----	----	----	----	3.3	8.9	7.9	8.9	13.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.19	1.46	0.08	1.35

Location: South S.F. Bay
Date: February 13,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	903	1	----	----	----	0.069	9.3	----	----	----	----	2.5	2.6	23.7	11.6
36	2.0	908	1	9.6	3.8	0.72	0.070	9.5	5	42	51	19	----	2.5	23.7	11.6
36	4.0	913	1	----	----	----	0.071	9.6	3	44	51	20	----	2.9	23.7	11.5
35	1.0	927	1	----	----	----	0.076	10.6	1	31	67	22	----	2.5	23.7	11.4
34	1.0	934	1	----	----	----	0.070	9.6	0	36	63	22	----	2.1	23.9	11.4
33	1.0	945	1	----	----	----	0.055	6.9	0	35	64	24	----	1.4	24.4	11.0
32	0.0	1000	1	----	----	----	0.038	3.9	----	----	----	----	1.3	1.2	24.9	10.7
32	2.0	1004	1	3.6	2.2	0.62	0.039	4.1	0	38	61	30	----	1.2	24.8	10.7
32	5.0	1009	1	----	----	----	0.038	3.9	----	----	----	----	----	1.7	24.9	10.6
32	10.0	1014	1	----	----	----	0.038	3.9	0	43	56	28	----	2.3	24.9	10.6
31	1.0	1032	1	----	----	----	0.034	3.2	3	33	63	35	----	1.5	25.0	10.4
30	0.0	1056	1	----	----	----	0.026	1.8	----	----	----	----	2.0	1.9	25.3	10.2
30	2.0	1101	1	1.7	2.3	0.42	0.026	1.9	0	47	52	48	----	2.0	25.2	10.2
30	5.0	1106	1	----	----	----	0.027	2.0	----	----	----	----	----	2.2	25.2	10.1
30	10.0	1111	1	----	----	----	0.028	2.2	1	55	43	41	----	2.7	25.2	10.1
29	1.0	1137	1	----	----	----	0.025	1.7	0	44	55	43	----	1.3	25.5	10.1
28	1.0	1146	1	----	----	----	0.024	1.4	0	57	42	43	----	1.6	25.5	9.9
27	0.0	1206	1	----	----	----	0.025	1.6	----	----	----	----	1.8	1.7	25.6	10.0
27	2.0	1212	1	1.5	2.5	0.38	0.025	1.7	28	45	26	30	----	1.8	25.6	10.0
27	5.0	1223	1	----	----	----	0.026	1.8	----	----	----	----	----	1.8	25.3	10.0
27	10.0	1228	1	----	----	----	0.030	2.5	11	54	33	28	----	3.3	25.7	10.0
26	1.0	1253	-1	----	----	----	0.027	2.0	4	47	48	33	----	1.6	25.9	10.3
25	1.0	1304	-1	----	----	----	0.025	1.6	----	----	----	----	----	1.4	26.7	10.7
24	0.0	1324	-1	----	----	----	0.026	1.8	----	----	----	----	0.8	0.9	27.0	10.9
24	2.0	1330	-1	2.3	0.9	0.72	0.026	1.8	21	25	52	21	----	0.9	26.9	10.9
24	5.0	1337	-1	----	----	----	0.022	1.1	----	----	----	----	----	1.1	27.5	10.9
24	10.0	1343	-1	----	----	----	0.023	1.2	6	51	41	27	----	1.3	27.6	10.9
23	1.0	1402	-1	----	----	----	0.027	2.1	13	44	41	18	----	1.6	26.8	11.1
22	1.0	1413	-1	----	----	----	0.025	1.7	0	44	55	32	----	1.0	24.8	11.1
21	0.0	1450	-1	----	----	----	0.023	1.4	----	----	----	----	0.9	1.0	27.8	11.0
21	2.0	1455	-1	1.8	1.3	0.57	0.024	1.5	15	53	31	33	----	1.0	27.7	11.0
21	5.0	1500	-1	----	----	----	0.024	1.4	----	----	----	----	----	1.0	27.9	11.0
21	10.0	1506	-1	----	----	----	0.023	1.2	11	66	22	26	----	1.5	29.0	10.9
20	1.0	1529	-1	----	----	----	0.022	1.0	3	59	37	27	----	0.9	27.9	11.1
19	1.0	1545	-1	1.1	1.5	0.41	0.022	1.2	22	24	52	12	----	1.0	30.1	11.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.99	-2.70	174.17	0.37
EXT COEFF vs NEPHELOMETER	6	0.98	0.38	4.53	0.12

Location: North S.F. Bay
Date: February 13,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1617	-1	----	----	----	0.021	----	----	----	----	----	----	----	28.3	11.0
16	1.0	1632	-1	----	----	----	0.022	----	----	----	----	----	----	----	26.6	10.9
15	1.0	1658	-1	----	----	----	0.027	----	----	----	----	----	----	----	24.5	10.8
14	1.0	1716	-1	----	----	----	0.029	----	----	----	----	----	----	----	23.0	10.8
13	1.0	1730	-1	----	----	----	0.028	----	----	----	----	----	----	----	21.4	10.7
12	1.0	1751	-1	----	----	----	0.029	----	----	----	----	----	----	----	18.1	10.5
11	1.0	1809	-1	----	----	----	0.031	----	----	----	----	----	----	----	16.0	10.4
10	1.0	1831	-1	----	----	----	0.031	----	----	----	----	----	----	----	16.0	10.3
9	1.0	1845	-1	----	----	----	0.032	----	----	----	----	----	----	----	12.6	10.2
8	1.0	1855	-1	----	----	----	0.034	----	----	----	----	----	----	----	12.4	10.1
7	1.0	1920	-1	----	----	----	0.031	----	----	----	----	----	----	----	8.1	10.0
6	1.0	1944	-1	----	----	----	0.041	----	----	----	----	----	----	----	3.0	9.8
5	1.0	2004	-1	----	----	----	0.042	----	----	----	----	----	----	----	2.5	9.9
4	1.0	2021	-1	----	----	----	0.041	----	----	----	----	----	----	----	1.2	9.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North S.F. Bay
Date: February 14,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
3	0.0	654	-1	----	----	----	0.044	2.5	----	----	----	----	5.5	4.7	0.8	9.6
3	2.0	658	-1	2.1	3.0	0.42	0.043	2.5	20	76	3	60	----	4.5	0.8	9.6
3	5.0	705	-1	----	----	----	0.041	2.5	----	----	----	----	----	4.1	1.2	9.8
3	10.0	712	-1	----	----	----	0.042	2.5	7	39	53	61	----	4.6	1.3	9.8
4	1.0	730	-1	----	----	----	0.042	2.5	6	78	15	54	----	4.1	1.3	9.5
5	1.0	744	-1	----	----	----	0.041	2.5	6	49	43	58	----	4.1	3.0	9.6
6	0.0	803	-1	----	----	----	0.038	2.4	----	----	----	----	4.5	3.4	5.1	9.8
6	2.0	807	-1	3.1	2.9	0.52	0.040	2.5	34	41	24	57	----	4.8	5.7	9.8
6	5.0	814	-1	----	----	----	0.042	2.5	8	44	47	51	----	5.5	5.7	9.8
7	1.0	838	-1	----	----	----	0.037	2.4	4	54	41	60	----	3.8	7.4	9.8
8	1.0	850	-1	----	----	----	0.035	2.4	4	50	45	57	----	3.3	8.8	9.8
9	0.0	921	-1	----	----	----	0.034	2.4	----	----	----	----	4.0	3.2	10.8	10.0
9	2.0	925	-1	1.7	3.0	0.36	0.035	2.4	15	45	38	54	----	3.7	10.8	10.0
9	5.0	930	-1	----	----	----	0.036	2.4	----	----	----	----	----	4.2	10.9	10.0
9	10.0	935	-1	----	----	----	0.039	2.4	----	----	----	----	----	5.3	11.3	10.0
9	15.0	940	-1	----	----	----	0.039	2.4	6	53	39	47	----	5.1	11.2	10.0
10	1.0	956	-1	----	----	----	0.034	2.4	0	53	46	51	----	3.1	11.2	10.0
11	1.0	1010	-1	----	----	----	0.033	2.4	0	51	48	49	----	2.7	13.8	10.9
12	0.0	1030	0	----	----	----	0.030	2.3	----	----	----	----	2.2	1.7	15.7	10.4
12	2.0	1034	0	2.0	1.6	0.55	0.031	2.3	5	58	36	55	----	1.9	15.8	10.4
12	5.0	1039	0	----	----	----	0.033	2.4	----	----	----	----	----	2.5	17.5	10.4
12	7.0	1044	0	----	----	----	0.035	2.4	1	56	41	42	----	3.3	17.9	10.5
13	1.0	1107	0	----	----	----	0.031	2.4	8	47	44	41	----	1.5	19.8	10.5
14	1.0	1117	0	----	----	----	0.030	2.3	11	49	39	43	----	1.3	20.1	10.6
15	0.0	1135	1	----	----	----	0.033	2.4	----	----	----	----	1.5	2.8	21.5	10.9
15	2.0	1140	1	2.6	1.3	0.66	0.030	2.3	0	62	37	36	----	1.1	22.3	10.8
15	5.0	1144	1	----	----	----	0.029	2.3	----	----	----	----	----	1.1	23.3	10.8
15	10.0	1149	1	----	----	----	0.030	2.3	11	58	29	30	----	1.8	24.4	10.8
16	1.0	1219	1	----	----	----	0.030	2.3	1	50	48	38	----	1.9	24.5	10.9
17	0.0	1237	1	----	----	----	0.030	2.3	----	----	----	----	1.0	3.3	25.8	11.0
17	2.0	1242	1	2.0	0.8	0.71	0.023	2.2	8	45	45	28	----	0.2	27.3	10.9
17	5.0	1247	1	----	----	----	0.023	2.3	----	----	----	----	----	0.3	28.8	11.0
17	10.0	1253	1	----	----	----	0.026	2.3	18	61	20	25	----	1.5	29.0	11.0
19	2.0	1337	1	3.2	1.5	0.68	0.030	2.3	37	35	27	14	0.8	0.5	30.5	11.2
19	15.0	1333	1	----	----	----	0.026	2.3	32	46	20	15	----	----	30.6	11.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.02	1.96	12.54	0.63
EXT COEFF vs NEPHELOMETER	7	0.53	0.05	3.93	1.38

Location: South SF Bay
Date: February 14,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
20	1.0	1358	-1	----	----	----	0.024	----	----	----	----	----	----	----	28.6	11.1
21	1.0	1408	-1	----	----	----	0.024	----	----	----	----	----	----	----	27.5	11.2
22	1.0	1419	-1	----	----	----	0.024	----	----	----	----	----	----	----	27.3	11.5
23	1.0	1432	-1	----	----	----	0.025	----	----	----	----	----	----	----	27.3	11.6
24	1.0	1445	-1	----	----	----	0.024	----	----	----	----	----	----	----	27.1	11.2
25	1.0	1455	-1	----	----	----	0.026	----	----	----	----	----	----	----	26.2	11.2
26	1.0	1509	-1	----	----	----	0.026	----	----	----	----	----	----	----	25.6	10.6
27	1.0	1518	-1	----	----	----	0.026	----	----	----	----	----	----	----	25.5	10.3
28	1.0	1530	-1	----	----	----	0.025	----	----	----	----	----	----	----	25.3	10.4
29	1.0	1538	-1	----	----	----	0.034	----	----	----	----	----	----	----	25.2	10.8
30	1.0	1555	-1	----	----	----	0.032	----	----	----	----	----	----	----	24.9	10.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South SF Bay
Date: March 5,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	904	-1	----	----	----	0.040	3.2	----	----	----	----	2.3	2.3	19.6	12.1
36	2.0	911	-1	2.5	2.1	0.55	0.038	2.9	0	70	29	35	----	2.1	19.9	12.0
36	5.0	917	-1	----	----	----	0.036	2.8	0	58	41	41	----	2.3	20.6	11.8
35	1.0	931	-1	----	----	----	0.045	3.6	0	48	51	37	----	1.8	19.9	12.0
34	1.0	937	-1	----	----	----	0.042	3.3	12	38	49	29	----	2.0	20.4	11.8
33	1.0	946	-1	----	----	----	0.035	2.7	12	37	50	41	----	1.8	21.0	11.7
32	0.0	959	-1	----	----	----	0.033	2.5	----	----	----	----	1.7	1.7	21.2	11.7
32	2.0	1006	-1	2.3	2.0	0.53	0.033	2.5	0	43	56	41	----	1.9	21.4	11.8
32	5.0	1011	-1	----	----	----	0.034	2.6	----	----	----	----	----	2.4	21.5	11.8
32	9.0	1022	-1	----	----	----	0.034	2.6	11	44	44	37	----	2.7	21.5	11.8
31	1.0	1036	-1	----	----	----	0.037	2.9	2	44	52	38	----	1.7	20.9	11.7
30	0.0	1102	-1	----	----	----	0.026	1.9	----	----	----	----	1.7	1.7	22.7	12.3
30	2.0	1107	-1	1.8	2.0	0.48	0.029	2.2	5	41	52	31	----	1.8	22.7	12.0
30	5.0	1114	-1	----	----	----	0.032	2.4	----	----	----	----	----	1.9	22.7	12.2
30	9.0	1120	-1	----	----	----	0.030	2.2	0	47	52	43	----	2.3	22.9	11.8
29	1.0	1149	-1	----	----	----	0.050	4.0	53	18	27	22	----	1.6	22.8	11.9
28	1.0	1158	-1	----	----	----	0.031	2.3	24	15	60	32	----	1.6	22.7	11.8
27	0.0	1213	-1	----	----	----	0.032	2.4	----	----	----	----	1.0	1.3	22.0	12.7
27	2.0	1219	-1	3.0	2.4	0.55	0.033	2.5	34	15	50	30	----	1.5	22.6	11.9
27	5.0	1226	-1	----	----	----	0.032	2.4	27	27	45	30	----	1.6	22.8	11.8
27	8.0	1233	-1	----	----	----	0.033	2.5	----	----	----	----	----	1.7	22.8	11.8
26	1.0	1249	1	----	----	----	0.050	4.0	53	13	33	23	----	1.4	22.5	11.7
24	0.0	1323	1	----	----	----	0.055	4.5	----	----	----	----	1.2	1.2	19.1	11.7
24	2.0	1330	1	3.3	1.5	0.68	0.035	2.7	31	20	47	30	----	1.2	20.4	11.7
24	6.0	1339	1	----	----	----	0.027	2.0	26	22	50	37	----	1.2	21.4	11.7
23	1.0	1406	1	----	----	----	0.029	2.1	37	20	42	44	----	1.2	20.8	11.8
22	1.0	1415	1	----	----	----	0.038	2.9	24	19	56	37	----	1.1	17.6	12.5
21	0.0	1432	1	----	----	----	0.035	2.7	----	----	----	----	1.7	1.2	16.7	12.5
21	2.0	1438	1	2.6	1.3	0.67	0.035	2.7	6	34	59	40	----	1.3	17.4	12.0
21	5.0	1443	1	----	----	----	0.035	2.7	----	----	----	----	----	1.3	19.3	11.7
21	10.0	1449	1	----	----	----	0.028	2.1	----	----	----	----	----	1.2	20.8	11.5
21	12.0	1453	1	----	----	----	0.027	1.9	0	35	64	45	----	1.3	21.9	11.5
20	1.0	1520	1	----	----	----	0.031	2.3	----	----	----	----	----	1.6	15.1	11.7
19	20.0	1553	1	----	----	----	0.021	1.5	8	44	46	43	----	1.1	25.7	11.4
19	10.0	1600	1	----	----	----	0.021	1.4	----	----	----	----	----	1.2	28.7	11.4
19	5.0	1608	1	----	----	----	0.020	1.3	----	----	----	----	----	1.1	27.8	11.4
19	2.0	1626	1	1.8	1.1	0.62	0.025	1.8	0	40	59	37	0.9	1.2	26.0	11.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.46	-0.46	89.82	0.46
EXT COEFF vs NEPHELOMETER	7	0.79	0.57	4.87	0.24

Location: South Bay Transect
Date: March 5, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
300	12.2	1132	-1	2.3	2.2	0.51	10.38	3.0	3	41	54	41	1.9	11.5	21.8	11.3	22.0
301	3.0	1140	-1	----	----	----	8.11	1.6	----	----	----	----	1.7	11.7	21.7	11.2	21.9
302	2.0	1148	-1	1.6	1.1	0.58	7.79	1.4	0	22	77	47	1.6	12.2	22.5	12.1	22.7
303	2.0	1201	-1	----	----	----	7.35	1.1	----	----	----	----	1.6	12.8	22.8	12.5	22.9
304	2.0	1208	-1	----	----	----	7.54	1.2	0	20	79	51	1.4	13.2	22.8	12.6	22.2
305	2.4	1218	1	----	----	----	12.11	4.1	----	----	----	----	1.6	13.3	22.5	12.7	23.0
306	3.3	1225	1	10.5	3.5	0.75	22.15	10.4	2	48	49	18	3.0	14.5	20.5	13.6	18.0
307	5.2	1303	1	1.5	0.6	0.71	8.11	1.6	0	0	100	51	1.0	13.9	23.0	12.5	23.8
308	7.5	1312	1	----	----	----	7.60	1.3	----	----	----	----	0.9	13.1	25.6	12.1	23.1
309	10.5	1324	1	1.5	0.3	0.81	7.22	1.0	0	38	61	57	1.1	12.4	20.4	11.7	21.5
310	13.5	1334	1	----	----	----	10.38	3.0	----	----	----	----	1.0	12.3	18.0	11.5	21.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	5	0.99	-3.51	0.63	0.52

Location: North SF Bay
Date: March 5,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1655	1	----	----	----	0.028	----	----	----	----	----	----	----	19.9	11.4
16	1.0	1705	1	----	----	----	0.035	----	----	----	----	----	----	----	8.2	10.9
15	1.0	1730	1	----	----	----	0.033	----	----	----	----	----	----	----	10.2	11.2
14	1.0	1737	1	----	----	----	0.031	----	----	----	----	----	----	----	10.4	11.4
13	1.0	1747	1	----	----	----	0.032	----	----	----	----	----	----	----	9.9	11.5
12	1.0	1804	1	----	----	----	0.038	----	----	----	----	----	----	----	5.6	11.0
11	1.0	1816	1	----	----	----	0.041	----	----	----	----	----	----	----	2.7	11.1
10	1.0	1832	1	----	----	----	0.041	----	----	----	----	----	----	----	2.3	11.1
9	1.0	1841	1	----	----	----	0.043	----	----	----	----	----	----	----	0.6	11.2
8	1.0	1852	1	----	----	----	0.043	----	----	----	----	----	----	----	0.3	11.3
7	1.0	1905	1	----	----	----	0.041	----	----	----	----	----	----	----	0.2	11.2
6	1.0	1921	1	----	----	----	0.041	----	----	----	----	----	----	----	0.2	11.1
5	1.0	1936	1	----	----	----	0.040	----	----	----	----	----	----	----	0.2	11.3
4	1.0	1948	1	----	----	----	0.039	----	----	----	----	----	----	----	0.1	11.1

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: March 6,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
3	0.0	733	1	----	----	----	0.040	2.1	----	----	----	----	4.6	4.5	0.1	11.1
3	2.0	739	1	1.9	2.2	0.47	0.039	2.1	0	65	34	67	----	4.5	0.1	11.1
3	5.0	743	1	----	----	----	0.040	2.1	----	----	----	----	----	4.6	0.1	11.1
3	10.0	754	1	----	----	----	0.040	2.1	5	60	34	71	----	4.7	0.1	11.0
4	1.0	845	1	----	----	----	0.039	2.0	0	66	33	68	----	4.5	0.1	11.0
5	1.0	905	1	----	----	----	0.041	2.1	4	47	47	70	----	4.3	0.1	11.0
6	0.0	938	-1	----	----	----	0.042	2.1	----	----	----	----	4.1	4.0	0.2	11.5
6	2.0	944	-1	2.0	1.8	0.53	0.042	2.1	9	33	57	72	----	4.1	0.2	11.5
6	5.0	952	-1	----	----	----	0.041	2.1	0	39	60	68	----	4.0	0.2	11.5
7	1.0	1031	-1	----	----	----	0.040	2.1	0	31	68	75	----	3.9	1.4	11.3
8	1.0	1044	-1	----	----	----	0.039	2.0	0	45	54	64	----	4.3	2.0	11.5
9	0.0	1108	-1	----	----	----	0.039	2.0	----	----	----	----	4.1	4.0	2.9	11.7
9	2.0	1114	-1	1.6	2.2	0.42	0.037	2.0	9	47	42	66	----	3.7	5.0	11.5
9	5.0	1126	-1	----	----	----	0.036	2.0	----	----	----	----	----	3.8	8.4	11.3
9	7.6	1132	-1	----	----	----	0.036	2.0	5	49	45	66	----	3.8	9.3	11.3
10	1.0	1222	-1	----	----	----	0.038	2.0	7	33	59	58	----	3.9	3.5	11.4
11	1.0	1234	-1	----	----	----	0.036	2.0	11	38	50	59	----	3.8	7.9	11.2
12	0.0	1254	-1	----	----	----	0.034	1.9	----	----	----	----	2.7	3.3	8.5	11.5
12	2.0	1300	-1	1.7	2.8	0.38	0.034	1.9	8	45	46	54	----	4.2	13.0	11.3
12	5.0	1312	-1	----	----	----	0.028	1.8	0	50	49	54	----	7.2	20.1	11.3
13	1.0	1337	-1	----	----	----	0.035	1.9	1	47	50	58	----	6.5	9.4	12.0
14	1.0	1345	-1	----	----	----	0.031	1.9	4	45	49	64	----	4.4	10.3	11.8
15	0.0	1405	-1	----	----	----	0.064	2.6	----	----	----	----	2.4	2.3	6.3	12.6
15	2.0	1411	-1	2.6	1.3	0.68	0.039	2.0	9	49	41	50	----	2.2	7.9	12.4
15	5.0	1420	-1	----	----	----	0.041	2.1	----	----	----	----	----	2.2	8.7	12.6
15	10.0	1427	-1	----	----	----	0.035	1.9	10	41	47	49	----	2.0	11.1	12.5
16	1.0	1452	-1	----	----	----	0.041	2.1	14	47	38	49	----	2.3	7.8	11.4
17	0.0	1511	-1	----	----	----	0.032	1.9	----	----	----	----	2.1	2.0	12.2	11.7
17	2.0	1517	-1	2.1	1.4	0.61	0.032	1.9	0	55	44	65	----	2.0	12.1	11.6
17	5.0	1530	-1	----	----	----	0.030	1.8	----	----	----	----	----	2.1	13.1	11.5
17	10.0	1534	-1	----	----	----	0.025	1.7	6	53	40	54	----	1.9	20.5	11.4

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.05	1.15	22.86	0.40
EXT COEFF vs NEPHELOMETER	6	0.90	0.90	3.52	0.37

Location: San Pablo Bay
Date: March 6,1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	10.3	1432	-1	3.2	3.4	0.48	14.53	3.9	23	47	29	53	5.0	12.1	8.4	11.2	12.4
141	3.2	1423	0	----	----	----	11.59	2.3	----	----	----	----	3.3	13.2	5.8	11.3	9.8
142	----	1416	0	----	----	----	-----	----	----	----	----	----	3.3	12.9	5.7	----	----
143	----	1410	0	----	----	----	15.05	4.2	----	----	----	----	6.0	13.2	5.6	----	----
144	----	1405	0	17.2	6.2	0.74	27.16	10.6	32	49	18	24	6.0	13.4	6.3	----	----
145	----	1401	0	----	----	----	-----	----	----	----	----	----	6.0	14.9	7.2	----	----
146	----	1355	0	----	----	----	34.00	14.2	----	----	----	----	10.0	14.8	6.0	----	----
147	----	1350	-1	----	----	----	30.50	12.4	----	----	----	----	10.0	14.4	5.2	----	----
148	----	1345	-1	5.6	6.1	0.48	28.72	11.4	6	64	28	52	10.0	14.2	6.4	----	----
149	----	1316	0	----	----	----	33.50	14.0	----	----	----	----	10.0	12.4	4.7	----	----
150	----	1254	-1	----	----	----	14.36	3.8	----	----	----	----	4.3	12.2	7.0	----	----
151	----	1247	-1	----	----	----	14.01	3.6	----	----	----	----	4.3	11.3	6.9	----	----
152	----	1240	-1	----	----	----	34.50	14.5	30	47	21	20	3.8	12.0	9.0	----	----
153	----	1232	-1	----	----	----	11.76	2.4	----	----	----	----	3.8	11.8	6.8	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	3	0.30	-3.84	0.53	8.87

Location: Suisun Bay
Date: March 6,1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	12.8	1101	-1	2.0	1.7	0.54	13.67	2.4	24	45	29	70	5.0	11.7	1.1	10.7	10.9
71	10.3	1053	0	----	----	----	12.63	1.7	----	----	----	----	5.0	11.4	----	10.6	10.3
72	9.0	1044	0	----	----	----	12.98	2.0	----	----	----	----	5.0	11.2	----	10.6	4.0
73	9.3	1037	0	1.7	2.7	0.39	12.63	1.7	0	46	53	75	5.0	12.2	----	10.8	0.3
74	3.0	1032	0	----	----	----	14.36	2.8	----	----	----	----	5.0	12.1	----	10.3	----
75	2.4	1014	0	----	----	----	12.98	2.0	----	----	----	----	5.0	11.2	----	10.7	----
76	1.8	1020	0	2.7	2.4	0.53	14.36	2.8	20	39	39	58	5.0	11.8	----	11.3	----
77	1.6	1025	0	----	----	----	13.84	2.5	----	----	----	----	5.0	12.1	----	10.4	----
78	10.9	1004	0	2.8	1.7	0.62	13.67	2.4	8	50	41	64	5.0	10.9	----	10.7	----
79	7.7	955	0	----	----	----	13.15	2.1	----	----	----	----	5.0	11.3	----	10.8	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.63	-5.88	0.60	0.40

Location: South S.F. Bay
Date: March 6,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
20	1.0	1614	1	----	----	----	0.029	----	----	----	----	----	----	----	19.2	11.9
21	1.0	1633	1	----	----	----	0.030	----	----	----	----	----	----	----	18.3	12.0
22	1.0	1640	1	----	----	----	0.030	----	----	----	----	----	----	----	15.6	11.8
23	1.0	1650	1	----	----	----	0.033	----	----	----	----	----	----	----	16.0	12.2
24	1.0	1700	1	----	----	----	0.032	----	----	----	----	----	----	----	20.5	12.3
25	1.0	1709	1	----	----	----	0.040	----	----	----	----	----	----	----	20.0	12.7
26	1.0	1717	1	----	----	----	0.069	----	----	----	----	----	----	----	19.8	12.9
27	1.0	1727	1	----	----	----	0.093	----	----	----	----	----	----	----	20.6	13.1
28	1.0	1735	1	----	----	----	0.090	----	----	----	----	----	----	----	20.7	13.0
29	1.0	1757	1	----	----	----	0.092	----	----	----	----	----	----	----	19.7	13.0
30	1.0	1811	1	----	----	----	0.087	----	----	----	----	----	----	----	20.5	13.4

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South Bay
Date: April 2,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	910	-1	----	----	----	0.097	9.2	----	----	----	----	4.3	4.4	14.6	14.8
36	2.0	916	-1	8.5	7.3	0.54	0.099	9.3	4	76	19	20	----	4.9	15.4	14.6
35	1.0	939	-1	----	----	----	0.103	9.8	----	----	----	----	----	4.0	15.7	14.8
34	1.0	944	-1	----	----	----	0.099	9.3	----	----	----	----	----	5.7	17.2	14.6
33	1.0	954	-1	----	----	----	0.102	9.6	4	66	29	17	----	2.8	17.8	14.8
32	0.0	1006	-1	----	----	----	0.097	9.1	----	----	----	----	2.4	2.1	17.9	14.5
32	2.0	1010	-1	8.7	4.3	0.67	0.088	8.2	6	72	21	18	----	2.4	18.1	14.3
32	5.0	1017	-1	----	----	----	0.084	7.8	----	----	----	----	----	3.0	18.3	14.3
32	7.0	1021	-1	----	----	----	0.085	7.9	----	----	----	----	----	3.0	18.5	14.4
31	1.0	1035	-1	----	----	----	0.088	8.1	----	----	----	----	----	2.3	18.6	14.4
30	0.0	1055	-1	----	----	----	0.081	7.4	----	----	----	----	2.1	2.2	19.7	14.4
30	2.0	1102	-1	8.0	4.1	0.66	0.083	7.6	6	49	43	15	----	2.3	19.8	14.2
30	5.0	1107	-1	----	----	----	0.077	7.1	----	----	----	----	----	2.9	20.2	14.2
30	9.0	1112	-1	----	----	----	0.087	8.1	----	----	----	----	----	2.8	20.3	14.3
29	1.0	1138	-1	----	----	----	0.071	6.4	----	----	----	----	----	1.9	20.6	14.3
28	1.0	1145	-1	----	----	----	0.058	5.0	----	----	----	----	----	1.7	21.1	14.2
27	0.0	1204	1	----	----	----	0.046	3.8	----	----	----	----	1.7	1.6	21.4	14.2
27	2.0	1211	1	4.4	2.3	0.66	0.050	4.2	3	58	38	22	----	1.6	21.4	14.1
27	5.0	1216	1	----	----	----	0.041	3.3	----	----	----	----	----	1.8	21.7	13.9
26	1.0	1232	1	----	----	----	0.046	3.8	----	----	----	----	----	1.6	21.9	14.4
25	1.0	1244	1	----	----	----	0.039	3.1	----	----	----	----	----	1.2	23.2	14.4
24	0.0	1304	1	----	----	----	0.030	2.1	----	----	----	----	1.1	1.1	24.0	14.1
24	2.0	1308	1	2.5	1.3	0.66	0.032	2.3	10	63	25	23	----	1.2	24.0	14.0
24	5.0	1315	1	----	----	----	0.031	2.3	----	----	----	----	----	1.3	24.0	13.6
24	7.0	1319	1	----	----	----	0.031	2.2	----	----	----	----	----	1.5	24.0	13.6
23	1.0	1338	1	----	----	----	0.042	3.3	----	----	----	----	----	1.3	23.4	14.3
22	1.0	1350	1	----	----	----	0.035	2.7	----	----	----	----	----	1.2	22.5	14.2
21	0.0	1411	1	----	----	----	0.032	2.4	----	----	----	----	1.4	1.4	20.7	13.9
21	2.0	1417	1	2.1	1.2	0.63	0.033	2.4	0	64	35	32	----	1.3	21.5	13.7
21	5.0	1431	1	----	----	----	0.032	2.3	----	----	----	----	----	1.3	24.0	13.6
21	10.0	1437	1	----	----	----	0.031	2.3	----	----	----	----	----	2.3	25.3	13.2
21	12.0	1441	1	----	----	----	0.033	2.4	----	----	----	----	----	2.8	25.4	13.2
20	1.0	1510	1	----	----	----	0.030	2.2	----	----	----	----	----	1.0	24.1	14.0
19	0.0	1600	1	----	----	----	0.021	1.2	----	----	----	----	0.7	0.9	28.4	13.0
19	2.0	1555	1	1.1	1.1	0.51	0.022	1.3	4	24	70	28	----	0.9	28.9	12.7
19	5.0	1550	1	----	----	----	0.021	1.2	----	----	----	----	----	0.9	29.6	12.8
19	10.0	1545	1	----	----	----	0.021	1.2	----	----	----	----	----	0.9	29.7	12.6
19	15.0	1540	1	----	----	----	0.020	1.1	----	----	----	----	----	0.9	29.7	12.6
19	20.0	1537	1	----	----	----	0.021	1.2	----	----	----	----	----	1.0	30.1	12.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.98	-0.98	104.06	0.46
EXT COEFF vs NEPHELOMETER	7	0.98	0.60	3.98	0.19

Location: South Bay Transect
Date: April 2,1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
300	11.0	1108	0	7.9	1.9	0.81	0.27	9.2	8	47	44	15	2.0	14.4	18.2	13.2	19.4
301	2.2	1121	1	----	----	----	0.26	8.5	----	----	----	----	2.1	13.8	19.9	13.7	19.9
302	1.0	1132	1	8.8	3.0	0.75	0.25	8.3	16	44	39	14	3.3	14.5	20.5	14.6	20.5
303	1.5	1140	1	----	----	----	0.21	6.4	----	----	----	----	3.8	15.0	20.4	14.9	20.5
304	1.5	1147	1	6.0	3.8	0.61	0.20	6.1	7	57	35	17	3.8	14.9	20.6	14.9	20.6
305	2.0	1155	1	----	----	----	0.28	9.7	----	----	----	----	2.3	15.3	19.8	15.3	19.7
306	2.3	1202	1	11.2	2.4	0.82	0.31	11.0	5	29	64	15	2.5	16.6	19.0	16.8	18.7
307	3.0	1220	1	9.5	3.9	0.71	0.26	8.7	9	64	26	14	3.8	14.8	20.2	14.6	20.3
308	4.5	1230	1	----	----	----	0.16	4.1	----	----	----	----	3.0	14.2	21.1	13.8	17.3

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	5	0.84	-3.05	45.39	0.90

Location: North Bay
Date: April 2,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
18	1.0	1615	1	----	----	----	0.028	----	----	----	----	----	----	----	24.7	14.1
17	1.0	1625	1	----	----	----	0.025	----	----	----	----	----	----	----	24.2	13.9
16	1.0	1638	1	----	----	----	0.027	----	----	----	----	----	----	----	24.0	13.6
15	1.0	1658	1	----	----	----	0.042	----	----	----	----	----	----	----	14.7	14.4
14	1.0	1711	1	----	----	----	0.038	----	----	----	----	----	----	----	15.1	14.3
13	1.0	1720	1	----	----	----	0.044	----	----	----	----	----	----	----	12.3	14.9
12	1.0	1735	1	----	----	----	0.044	----	----	----	----	----	----	----	9.5	14.7
11	1.0	1747	1	----	----	----	0.056	----	----	----	----	----	----	----	6.6	14.8
10	1.0	1800	1	----	----	----	0.051	----	----	----	----	----	----	----	6.4	14.9
9	1.0	1806	1	----	----	----	0.057	----	----	----	----	----	----	----	3.2	14.8
8	1.0	1815	1	----	----	----	0.064	----	----	----	----	----	----	----	3.4	14.6
7	1.0	1831	1	----	----	----	0.063	----	----	----	----	----	----	----	0.5	15.0
6	1.0	1847	1	----	----	----	0.046	----	----	----	----	----	----	----	0.2	15.2
5	1.0	1858	1	----	----	----	0.042	----	----	----	----	----	----	----	0.1	15.1
4	1.0	1910	1	----	----	----	0.040	----	----	----	----	----	----	----	0.1	14.7
3	1.0	1922	1	----	----	----	0.039	----	----	----	----	----	----	----	0.1	14.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North S.F. Bay
Date: April 3,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
3	0.0	703	1	----	----	----	0.044	3.2	----	----	----	----	3.9	3.7	0.1	14.4
3	2.0	715	1	3.2	2.3	0.59	0.045	3.3	14	61	24	42	----	3.6	0.1	14.4
3	5.0	722	1	----	----	----	0.045	3.4	----	----	----	----	----	3.6	0.1	14.4
3	10.0	727	1	----	----	----	0.046	3.5	----	----	----	----	----	3.6	0.1	14.4
4	1.0	754	1	----	----	----	0.042	2.9	----	----	----	----	----	3.7	0.1	14.6
5	1.0	804	1	----	----	----	0.043	3.1	----	----	----	----	----	3.7	0.1	14.9
6	0.0	828	1	----	----	----	0.054	4.6	----	----	----	----	4.3	3.8	0.2	14.7
6	2.0	834	1	4.3	3.0	0.59	0.053	4.4	31	45	22	41	----	3.8	0.3	14.7
6	5.0	839	1	----	----	----	0.051	4.2	----	----	----	----	----	3.8	0.2	14.7
7	1.0	908	1	----	----	----	0.055	4.7	----	----	----	----	----	3.6	0.9	14.6
8	1.0	929	1	----	----	----	0.052	4.3	----	----	----	----	----	3.6	1.4	14.6
9	0.0	948	1	----	----	----	0.047	3.6	----	----	----	----	3.7	3.6	3.2	14.4
9	2.0	956	-1	3.9	3.1	0.56	0.051	4.1	21	47	30	41	----	3.6	3.9	14.4
9	5.0	1001	-1	----	----	----	0.048	3.7	----	----	----	----	----	3.6	5.4	14.4
9	7.0	1007	-1	----	----	----	0.050	4.0	----	----	----	----	----	3.6	5.9	14.3
10	1.0	1024	-1	----	----	----	0.051	4.2	----	----	----	----	----	3.6	3.6	14.6
11	1.0	1036	-1	----	----	----	0.050	4.1	----	----	----	----	----	3.6	7.7	14.4
12	0.0	1053	-1	----	----	----	0.049	3.9	----	----	----	----	----	3.7	6.3	14.3
12	2.0	1100	-1	3.8	4.0	0.49	0.052	4.2	1	75	22	30	----	3.6	12.1	14.1
12	5.0	1107	-1	----	----	----	0.040	2.7	----	----	----	----	----	3.7	17.3	13.7
13	1.0	1132	-1	----	----	----	0.056	4.8	----	----	----	----	----	3.7	8.3	15.3
14	1.0	1141	-1	----	----	----	0.058	5.1	----	----	----	----	----	3.8	11.8	14.4
15	0.0	1204	-1	----	----	----	0.065	6.1	----	----	----	----	2.2	3.8	9.9	14.6
15	2.0	1209	-1	5.5	2.3	0.70	0.057	5.0	4	71	24	27	----	3.8	10.9	14.3
15	5.0	1214	-1	----	----	----	0.043	3.1	----	----	----	----	----	3.7	12.7	14.1
15	10.0	1219	-1	----	----	----	0.039	2.5	----	----	----	----	----	3.7	15.9	13.8
16	1.0	1247	-1	----	----	----	0.047	3.6	----	----	----	----	----	3.8	13.5	14.2
17	0.0	1302	-1	----	----	----	0.036	2.0	----	----	----	----	4.6	3.8	14.8	14.4
17	2.0	1306	-1	2.4	1.0	0.70	0.037	2.2	0	59	40	35	----	3.8	14.4	14.3
17	5.0	1312	-1	----	----	----	0.027	0.9	----	----	----	----	----	3.8	21.7	13.3
17	10.0	1318	-1	----	----	----	0.027	0.8	----	----	----	----	----	3.8	25.3	13.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.91	-2.87	137.69	0.34
EXT COEFF vs NEPHELOMETER	5	0.01	3.87	-0.24	1.07

Location: San Pablo Bay Transect
Date: April 3,1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	10.0	1145	-1	5.2	1.9	0.74	0.17	4.1	29	46	23	26	3.0	15.2	11.4	13.4	22.3
141	3.0	1139	0	----	----	----	0.22	6.6	----	----	----	----	4.3	15.2	15.2	14.4	15.8
142	2.3	1134	0	----	----	----	0.79	34.3	----	----	----	----	5.0	16.2	14.5	14.4	14.3
143	2.0	1129	0	----	----	----	0.84	36.6	----	----	----	----	7.5	16.2	14.2	14.8	13.7
144	1.5	1124	0	39.0	6.4	0.86	0.87	38.2	5	89	5	6	6.0	16.0	14.2	15.5	14.5
145	1.5	1118	0	----	----	----	0.87	38.2	----	----	----	----	7.5	16.3	14.3	15.8	14.4
146	1.5	1113	0	----	----	----	0.62	25.7	----	----	----	----	15.0	16.6	13.2	16.2	13.2
147	2.0	1108	-1	----	----	----	0.51	20.6	----	----	----	----	15.0	17.1	12.1	16.4	12.5
148	2.0	1100	-1	16.5	10.3	0.62	0.47	18.4	0	94	5	18	10.0	16.7	10.5	16.4	10.5
149	4.0	1046	-1	----	----	----	0.31	10.6	----	----	----	----	15.0	16.3	9.0	15.9	9.0
150	2.3	1019	0	----	----	----	0.33	11.5	----	----	----	----	5.6	13.8	12.3	13.7	12.4
151	2.2	1012	0	----	----	----	0.21	5.7	----	----	----	----	6.0	13.8	10.3	13.6	10.3
152	2.0	1005	-1	8.3	3.1	0.73	0.26	8.4	2	83	14	19	6.0	13.6	8.5	13.8	8.9
153	17.0	957	-1	----	----	----	0.13	2.0	----	----	----	----	2.5	14.4	6.3	12.9	17.3

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.99	-4.36	48.89	1.65

Location: Suisun Bay Transect
Date: April 3,1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	14.1	855	-1	4.8	2.9	0.62	0.16	5.2	16	57	25	38	7.5	13.6	1.2	13.5	8.9
71	8.8	849	-1	----	----	----	0.16	5.4	----	----	----	----	6.0	13.3	0.4	13.5	6.7
72	8.0	843	-1	----	----	----	0.18	6.6	----	----	----	----	7.5	13.2	----	13.3	1.4
73	8.5	835	0	8.3	3.8	0.69	0.22	8.6	10	62	26	31	5.0	13.6	----	13.7	----
74	3.0	830	0	----	----	----	0.31	14.2	----	----	----	----	7.5	13.8	----	14.1	----
75	2.3	806	1	----	----	----	0.16	5.3	----	----	----	----	5.0	13.2	----	13.3	----
76	1.5	812	1	8.5	5.2	0.62	0.21	8.0	25	57	17	27	7.5	13.2	----	13.3	----
77	1.8	820	1	----	----	----	0.32	14.7	----	----	----	----	10.0	13.6	----	13.9	----
78	10.5	758	0	5.0	2.1	0.70	0.15	4.7	14	42	43	35	5.0	13.2	----	13.4	----
79	14.0	753	0	----	----	----	0.16	5.2	----	----	----	----	5.0	13.5	----	13.6	----
80	2.0	735	0	----	----	----	0.12	2.9	----	----	----	----	5.0	12.8	----	12.7	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.95	-4.32	59.58	0.52

Location: South S.F. Bay
Date: April 3,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
18	1.0	1338	1	----	----	----	0.038	----	----	----	----	----	----	----	16.1	13.9
20	1.0	1345	1	----	----	----	0.034	----	----	----	----	----	----	----	20.4	14.2
21	1.0	1401	1	----	----	----	0.037	----	----	----	----	----	----	----	22.4	13.9
22	1.0	1408	1	----	----	----	0.043	----	----	----	----	----	----	----	22.0	14.4
23	1.0	1418	1	----	----	----	0.045	----	----	----	----	----	----	----	23.1	14.5
24	1.0	1429	1	----	----	----	0.036	----	----	----	----	----	----	----	23.3	14.1
25	1.0	1439	1	----	----	----	0.039	----	----	----	----	----	----	----	23.3	14.9
26	1.0	1448	1	----	----	----	0.084	----	----	----	----	----	----	----	22.0	14.9
27	1.0	1457	1	----	----	----	0.076	----	----	----	----	----	----	----	21.6	14.8
28	1.0	1505	1	----	----	----	0.084	----	----	----	----	----	----	----	21.3	14.9
29	1.0	1514	1	----	----	----	0.064	----	----	----	----	----	----	----	21.6	14.6
30	1.0	1527	1	----	----	----	0.075	----	----	----	----	----	----	----	20.6	15.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South S.F. Bay
Date: May 8,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	920	1	----	----	----	0.043	2.1	----	----	----	----	2.1	2.1	20.1	16.0
36	2.0	926	1	1.7	2.4	0.41	0.041	2.1	10	30	59	35	----	2.1	20.3	16.1
36	5.0	935	1	----	----	----	0.041	2.1	0	27	72	35	----	2.8	20.6	16.2
35	1.0	955	1	----	----	----	0.043	2.1	0	44	55	38	----	2.3	21.4	15.9
34	1.0	1003	1	----	----	----	0.047	2.0	0	42	57	33	----	2.7	22.0	15.7
33	1.0	1013	1	----	----	----	0.045	2.0	0	16	83	32	----	1.9	22.7	16.0
32	0.0	1027	1	----	----	----	0.040	2.1	----	----	----	----	1.2	1.3	23.3	16.1
32	2.0	1037	1	2.4	1.1	0.68	0.035	2.2	0	11	88	34	----	1.3	23.4	16.2
32	5.0	1045	1	----	----	----	0.034	2.2	----	----	----	----	----	1.3	23.5	16.0
32	10.0	1053	1	----	----	----	0.034	2.2	0	23	76	35	----	1.5	23.5	16.0
31	1.0	1108	1	----	----	----	0.034	2.2	0	21	78	41	----	1.2	23.5	16.0
30	0.0	1136	-1	----	----	----	0.028	2.4	----	----	----	----	1.5	1.0	23.7	16.5
30	2.0	1140	-1	2.0	1.1	0.65	0.033	2.3	0	21	78	35	----	1.1	24.3	16.0
30	5.0	1150	-1	----	----	----	0.031	2.3	----	----	----	----	----	1.1	24.3	16.0
30	10.0	1156	-1	----	----	----	0.031	2.3	0	20	79	37	----	1.1	24.7	15.9
29	1.0	1221	-1	----	----	----	0.032	2.3	----	----	----	----	----	0.9	25.1	16.0
28	1.0	1230	-1	----	----	----	0.032	2.3	----	----	----	----	----	0.9	25.4	15.8
27	0.0	1245	-1	----	----	----	0.029	2.3	----	----	----	----	0.7	0.8	25.8	15.9
27	2.0	1251	-1	2.2	0.9	0.70	0.034	2.2	0	26	73	28	----	0.8	25.8	15.9
27	5.0	1300	-1	----	----	----	0.030	2.3	----	----	----	----	----	0.9	25.8	15.7
27	10.0	1306	-1	----	----	----	0.027	2.4	----	----	----	----	----	0.9	26.0	15.5
26	1.0	1325	-1	----	----	----	0.031	2.3	0	30	69	25	----	0.8	26.0	15.8
25	1.0	1335	-1	----	----	----	0.031	2.3	0	39	60	21	----	0.8	26.8	15.3
24	0.0	1352	-1	----	----	----	0.033	2.3	----	----	----	----	0.8	0.8	27.3	15.4
24	2.0	1356	-1	2.8	0.7	0.79	0.034	2.2	0	44	55	22	----	0.8	27.3	15.4
24	5.0	1400	-1	----	----	----	0.035	2.2	0	17	52	16	----	0.9	27.4	15.0
23	1.0	1423	-1	----	----	----	0.032	2.3	0	47	52	20	----	0.9	27.6	15.2
22	1.0	1437	-1	----	----	----	0.036	2.2	0	46	53	18	----	0.8	27.9	14.9
21	0.0	1453	-1	----	----	----	0.039	2.2	----	----	----	----	0.8	0.9	28.0	14.8
21	2.0	1458	-1	2.5	1.1	0.70	0.040	2.1	0	44	55	17	----	0.9	28.0	14.9
21	5.0	1507	-1	----	----	----	0.038	2.2	----	----	----	----	----	1.1	28.0	14.8
21	10.0	1510	-1	----	----	----	0.039	2.2	----	----	----	----	----	1.5	28.0	14.5
21	15.0	1515	-1	----	----	----	0.040	2.1	0	64	35	17	----	1.8	28.1	14.5
20	1.0	1556	-1	----	----	----	0.034	2.2	0	54	45	19	----	1.0	28.3	14.3
19	2.0	1537	-1	1.9	1.3	0.59	0.033	2.3	2	61	36	19	0.6	0.8	29.0	14.0
19	5.0	1632	-1	----	----	----	0.036	2.2	----	----	----	----	----	0.8	29.1	13.9
19	10.0	1629	-1	----	----	----	0.044	2.0	----	----	----	----	----	0.9	30.2	13.3
19	15.0	1625	-1	----	----	----	0.054	1.9	----	----	----	----	----	1.1	30.5	13.2
19	20.0	1621	-1	----	----	----	0.055	1.8	44	33	22	14	----	1.2	30.5	13.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.03	2.85	-18.18	0.42
EXT COEFF vs NEPHELOMETER	7	0.83	0.34	5.28	0.24

Location: North S.F. Bay
Date: May 8,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1711	1	----	----	----	0.043	----	----	----	----	----	----	----	25.3	15.3
16	1.0	1725	1	----	----	----	0.044	----	----	----	----	----	----	----	23.8	15.4
15	1.0	1746	1	----	----	----	0.051	----	----	----	----	----	----	----	21.4	16.0
14	1.0	1806	1	----	----	----	0.051	----	----	----	----	----	----	----	19.6	16.2
13	1.0	1818	1	----	----	----	0.048	----	----	----	----	----	----	----	17.6	16.0
12	1.0	1836	1	----	----	----	0.041	----	----	----	----	----	----	----	15.9	15.9
11	1.0	1855	1	----	----	----	0.039	----	----	----	----	----	----	----	13.5	15.8
10	1.0	1910	1	----	----	----	0.041	----	----	----	----	----	----	----	11.0	16.2
9	1.0	1922	1	----	----	----	0.046	----	----	----	----	----	----	----	8.6	16.2
8	1.0	1932	1	----	----	----	0.050	----	----	----	----	----	----	----	6.9	16.2
7	1.0	1952	1	----	----	----	0.052	----	----	----	----	----	----	----	4.9	16.2
6	1.0	2012	1	----	----	----	0.065	----	----	----	----	----	----	----	2.2	16.2
5	1.0	2027	1	----	----	----	0.072	----	----	----	----	----	----	----	0.8	16.6
4	1.0	2044	1	----	----	----	0.066	----	----	----	----	----	----	----	0.3	16.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North S.F. Bay
Date: May 9,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
3	0.0	711	-1	----	----	----	0.072	9.0	----	----	----	----	7.9	8.9	0.5	16.4
3	2.0	718	-1	9.8	8.0	0.55	0.076	9.9	9	61	28	18	----	11.0	0.5	16.3
3	5.0	724	-1	----	----	----	0.079	10.5	----	----	----	----	----	11.8	0.5	16.3
3	8.0	729	-1	----	----	----	0.079	10.5	2	60	37	15	----	11.8	0.5	16.3
4	1.0	751	-1	----	----	----	0.078	10.3	----	----	----	----	----	11.6	0.4	16.1
5	1.0	802	-1	----	----	----	0.076	9.9	4	62	32	17	----	10.2	1.0	16.1
6	0.0	821	-1	----	----	----	0.084	11.4	----	----	----	----	12.9	11.5	2.2	16.1
6	2.0	826	-1	11.4	8.8	0.56	0.080	10.7	15	58	26	15	----	11.3	2.2	16.1
6	5.0	833	-1	----	----	----	0.082	11.0	10	63	26	15	----	11.5	2.3	16.1
7	1.0	902	-1	----	----	----	0.080	10.7	20	56	23	16	----	8.9	4.1	15.8
8	1.0	916	-1	----	----	----	0.078	10.2	18	65	16	17	----	9.5	6.4	15.5
9	0.0	933	0	----	----	----	0.073	9.4	----	----	----	----	4.7	5.6	7.0	15.8
9	2.0	938	0	7.1	3.5	0.67	0.064	7.4	11	63	25	21	----	6.1	7.2	15.7
9	5.0	943	0	----	----	----	0.072	9.2	----	----	----	----	----	9.6	7.9	15.7
9	10.0	952	0	----	----	----	0.070	8.7	13	67	18	16	----	11.9	8.9	15.7
10	1.0	1005	1	----	----	----	0.051	5.0	0	76	23	24	----	5.1	10.0	15.6
11	1.0	1022	1	----	----	----	0.045	3.8	----	----	----	----	----	4.0	12.5	15.6
12	0.0	1140	1	----	----	----	0.053	5.4	----	----	----	----	4.0	4.4	15.9	16.0
12	2.0	1045	1	4.3	1.1	0.79	0.053	5.4	1	78	20	20	----	5.7	17.4	15.7
12	5.0	1049	1	----	----	----	0.075	9.6	3	82	13	12	----	21.2	18.6	15.5
13	1.0	1120	1	----	----	----	0.053	5.4	0	82	17	18	----	3.2	21.4	15.1
14	1.0	1132	1	----	----	----	0.049	4.6	0	75	24	21	----	2.1	23.2	14.8
15	0.0	1156	1	----	----	----	0.040	2.9	----	----	----	----	2.6	2.8	24.0	14.5
15	2.0	1200	1	2.7	1.2	0.69	0.041	3.0	1	71	27	18	----	2.5	24.0	14.2
15	5.0	1205	1	----	----	----	0.040	2.8	----	----	----	----	----	2.1	25.5	14.2
15	10.0	1209	1	----	----	----	0.040	2.8	----	----	----	----	----	1.5	25.9	14.3
15	15.0	1215	1	----	----	----	0.047	4.2	9	72	18	14	----	3.0	27.0	14.0
16	1.0	1245	1	----	----	----	0.038	2.3	13	48	38	14	----	0.4	27.4	13.8
17	0.0	1301	1	----	----	----	0.027	0.3	----	----	----	----	0.6	0.1	28.6	14.3
17	2.0	1307	1	2.7	1.9	0.59	0.040	2.8	15	46	38	12	----	0.1	29.1	13.8
17	5.0	1313	1	----	----	----	0.047	4.2	----	----	----	----	----	0.5	29.9	13.2
17	10.0	1317	1	----	----	----	0.053	5.3	38	43	18	11	----	0.9	30.1	13.1
19	2.0	1410	-1	3.5	2.0	0.63	0.037	2.3	27	42	30	10	0.7	0.2	29.8	13.7
19	5.0	1407	-1	----	----	----	0.042	3.3	----	----	----	----	----	0.1	29.9	13.7
19	10.0	1403	-1	----	----	----	0.044	3.6	----	----	----	----	----	0.1	30.1	13.4
19	15.0	1359	-1	----	----	----	0.051	5.0	----	----	----	----	----	0.1	30.8	12.9
19	19.0	1350	-1	----	----	----	0.053	5.4	46	31	21	7	----	0.1	30.9	12.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.96	-4.98	195.16	0.80
EXT COEFF vs NEPHELOMETER	7	0.96	-0.37	5.84	0.97

Location: South S.F.Bay
Date: May 9,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
20	1.0	1427	-1	----	----	----	0.035	----	----	----	----	----	----	----	28.3	14.5
21	1.0	1451	-1	----	----	----	0.036	----	----	----	----	----	----	----	27.9	15.3
22	1.0	1505	-1	----	----	----	0.034	----	----	----	----	----	----	----	27.8	14.8
23	1.0	1521	-1	----	----	----	0.037	----	----	----	----	----	----	----	27.5	15.4
24	1.0	1534	-1	----	----	----	0.039	----	----	----	----	----	----	----	27.0	15.7
25	1.0	1545	-1	----	----	----	0.036	----	----	----	----	----	----	----	25.9	16.4
26	1.0	1556	-1	----	----	----	0.036	----	----	----	----	----	----	----	25.4	16.0
27	1.0	1608	-1	----	----	----	0.043	----	----	----	----	----	----	----	24.8	16.1
28	1.0	1620	-1	----	----	----	0.044	----	----	----	----	----	----	----	24.4	16.6
29	1.0	1632	-1	----	----	----	0.039	----	----	----	----	----	----	----	23.9	16.3
30	1.0	1646	-1	----	----	----	0.044	----	----	----	----	----	----	----	23.1	16.9

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South S.F. Bay
Date: June 4,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	946	0	----	----	----	0.049	4.1	----	----	----	----	1.5	1.5	23.0	21.2
36	2.0	953	0	3.1	2.4	0.56	0.050	4.2	11	8	79	29	----	1.3	23.3	21.1
36	5.0	959	0	----	----	----	0.035	2.0	0	0	99	49	----	1.2	23.8	21.2
35	1.0	1018	-1	----	----	----	0.045	3.5	0	12	87	38	----	1.3	23.8	21.2
34	1.0	1025	-1	----	----	----	0.041	3.0	----	----	----	----	----	1.1	24.7	21.6
33	1.0	1044	-1	----	----	----	0.048	4.0	0	4	95	35	----	1.2	24.7	21.1
32	0.0	1057	-1	----	----	----	0.040	2.8	----	----	----	----	1.0	1.0	24.9	21.0
32	2.0	1108	-1	2.9	1.1	0.73	0.039	2.7	0	8	91	34	----	1.0	24.9	21.0
32	5.0	1112	-1	----	----	----	0.031	1.5	----	----	----	----	----	0.9	25.1	21.0
32	10.0	1118	-1	----	----	----	0.031	1.5	6	6	87	36	----	0.9	25.3	21.0
31	1.0	1136	-1	----	----	----	0.059	5.5	----	----	----	----	----	0.9	25.2	21.1
30	0.0	1158	-1	----	----	----	0.029	1.2	----	----	----	----	1.3	1.2	24.5	21.2
30	2.0	1202	-1	2.9	1.3	0.68	0.039	2.6	4	9	85	32	----	1.6	24.6	20.8
30	5.0	1207	-1	----	----	----	0.033	1.8	----	----	----	----	----	1.1	24.7	20.5
30	9.0	1213	-1	----	----	----	0.028	1.0	0	7	92	43	----	0.7	24.9	20.3
29	1.0	1242	-1	----	----	----	0.066	6.6	----	----	----	----	----	0.7	26.2	20.8
28	1.0	1251	-1	----	----	----	0.080	8.7	----	----	----	----	----	0.8	26.6	20.8
27	0.0	1317	-1	----	----	----	0.063	6.1	----	----	----	----	0.7	0.8	26.8	20.5
27	2.0	1322	-1	5.0	1.7	0.75	0.062	6.0	0	9	90	17	----	0.7	26.8	20.4
27	5.0	1327	-1	----	----	----	0.037	2.4	----	----	----	----	----	0.7	27.1	20.1
27	10.0	1331	-1	----	----	----	0.031	1.5	0	0	99	36	----	0.7	27.3	20.0
26	1.0	1353	-1	----	----	----	0.062	6.1	----	----	----	----	----	0.7	27.1	20.4
25	1.0	1407	-1	----	----	----	0.055	5.0	----	----	----	----	----	0.7	27.6	19.6
24	0.0	1426	-1	----	----	----	0.055	5.0	----	----	----	----	0.5	0.7	27.9	19.1
24	2.0	1430	-1	7.2	1.3	0.84	0.058	5.4	4	43	51	14	----	0.7	27.9	19.1
24	5.0	1435	-1	----	----	----	0.057	5.2	----	----	----	----	----	0.7	27.9	19.1
24	7.0	1440	-1	----	----	----	0.056	5.1	2	45	52	12	----	0.7	28.0	19.1
23	1.0	1453	-1	----	----	----	0.066	6.6	15	39	45	11	----	0.7	28.0	19.1
22	1.0	1510	-1	----	----	----	0.053	4.7	----	----	----	----	----	0.7	28.0	18.0
21	0.0	1530	0	----	----	----	0.077	8.2	----	----	----	----	1.1	0.7	27.7	18.0
21	2.0	1534	0	9.3	2.9	0.76	0.077	8.1	14	36	48	9	----	0.7	27.9	18.0
21	5.0	1539	0	----	----	----	0.073	7.6	----	----	----	----	----	0.7	27.9	18.0
21	10.0	1544	0	----	----	----	0.054	4.8	----	----	----	----	----	0.8	27.9	17.1
21	13.0	1549	0	----	----	----	0.043	3.3	3	32	64	17	----	0.7	28.1	16.9
20	1.0	1617	0	----	----	----	0.051	4.3	5	31	63	11	----	0.7	28.7	16.2
19	2.0	1713	1	5.8	2.0	0.75	0.070	7.2	46	20	33	11	0.6	0.7	30.5	14.2
19	5.0	1706	1	----	----	----	0.073	7.7	----	----	----	----	----	0.7	31.4	13.3
19	10.0	1702	1	----	----	----	0.075	7.9	----	----	----	----	----	0.8	31.5	13.3
19	15.0	1655	1	----	----	----	0.074	7.7	----	----	----	----	----	0.7	31.5	13.3
19	20.0	1650	1	----	----	----	0.076	8.0	47	19	32	9	----	0.7	31.3	13.3

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.75	-3.05	145.90	1.35
EXT COEFF vs NEPHELOMETER	7	0.78	0.48	5.27	0.18

Location: South Bay Transect
Date: June 4,1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
300	17.0	802	1	3.3	1.2	0.74	0.11	3.1	0	0	99	32	0.6	20.0	26.5	22.2	26.6
301	4.0	816	1	----	----	----	0.16	5.4	----	----	----	----	0.6	20.0	26.5	20.2	26.4
302	2.0	826	0	3.2	1.7	0.66	0.14	4.6	5	5	88	21	1.1	21.1	27.1	20.9	27.1
303	3.0	837	0	----	----	----	0.08	1.9	----	----	----	----	1.2	20.3	27.2	20.4	26.9
304	2.8	844	0	1.7	0.9	0.66	0.07	1.4	0	0	99	41	1.2	20.2	26.5	20.4	26.3
305	3.5	909	0	2.3	0.9	0.73	0.16	5.1	28	0	71	24	1.2	19.4	27.1	19.8	26.8
306	3.7	859	0	----	----	----	0.09	2.3	----	----	----	----	1.9	19.4	26.9	19.6	26.4
307	3.8	919	0	3.3	0.9	0.78	0.10	2.8	31	0	68	19	0.5	19.2	27.2	19.3	27.1
308	5.5	930	0	----	----	----	0.15	4.7	2	22	74	13	0.6	18.6	27.4	18.6	27.3
309	8.3	939	0	8.8	2.3	0.79	0.17	5.7	----	----	----	----	0.5	18.8	27.8	17.6	27.6
310	13.5	951	0	----	----	----	0.19	6.8	----	----	----	----	0.5	17.9	27.7	16.2	27.9

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	6	0.39	-1.55	43.12	2.23

Location: North S.F. Bay
Date: June 4,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1740	1	----	----	----	0.054	----	----	----	----	----	----	----	27.3	16.4
16	1.0	1751	1	----	----	----	0.056	----	----	----	----	----	----	----	23.9	18.0
15	1.0	1810	1	----	----	----	0.073	----	----	----	----	----	----	----	21.7	18.5
14	1.0	1822	1	----	----	----	0.060	----	----	----	----	----	----	----	19.3	19.0
13	1.0	1839	1	----	----	----	0.052	----	----	----	----	----	----	----	19.8	18.8
12	1.0	1858	1	----	----	----	0.052	----	----	----	----	----	----	----	16.4	19.5
11	1.0	1908	1	----	----	----	0.051	----	----	----	----	----	----	----	14.9	19.6
10	1.0	1922	1	----	----	----	0.070	----	----	----	----	----	----	----	9.8	20.1
9	1.0	1930	1	----	----	----	0.087	----	----	----	----	----	----	----	8.5	20.1
8	1.0	1942	1	----	----	----	0.079	----	----	----	----	----	----	----	11.0	19.8
7	1.0	1953	1	----	----	----	0.097	----	----	----	----	----	----	----	6.3	20.7
6	1.0	2009	1	----	----	----	0.102	----	----	----	----	----	----	----	2.3	20.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North S.F. Bay
Date: June 5,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
652	1.0	702	0	----	----	----	0.063	9.6	3	74	22	19	----	6.5	0.1	21.0
2	1.0	712	0	----	----	----	0.067	11.0	6	51	42	19	----	6.2	0.2	20.3
3	0.0	732	0	----	----	----	0.072	12.5	----	----	----	----	6.9	7.2	0.2	20.6
3	2.0	736	0	6.0	14.0	0.30	0.072	12.6	6	50	43	17	----	7.1	0.2	20.6
3	5.0	740	0	----	----	----	0.073	12.9	----	----	----	----	----	8.1	0.2	20.6
3	10.0	744	0	----	----	----	0.075	13.3	----	----	----	----	----	9.1	0.2	20.6
4	1.0	828	0	----	----	----	0.076	13.6	0	57	41	17	----	7.4	0.2	20.5
5	1.0	841	0	----	----	----	0.089	17.8	12	59	28	14	----	8.3	0.6	20.6
6	0.0	903	0	----	----	----	0.130	30.4	----	----	----	----	9.1	8.9	2.1	20.2
6	2.0	910	0	35.8	12.4	0.74	0.139	33.3	31	58	10	8	----	10.5	2.6	20.2
6	5.0	917	0	----	----	----	0.134	31.5	----	----	----	----	----	9.3	2.6	20.1
6	9.0	921	0	----	----	----	0.167	42.0	28	61	10	7	----	8.8	4.0	19.9
7	1.0	951	0	----	----	----	0.105	22.7	27	61	11	9	----	4.6	7.3	19.9
8	1.0	1010	0	----	----	----	0.072	12.3	26	56	17	13	----	2.6	10.0	19.4
9	0.0	1029	1	----	----	----	0.059	8.5	----	----	----	----	1.7	1.8	11.5	19.5
9	2.0	1036	1	7.5	1.9	0.80	0.046	4.4	11	57	31	21	----	1.8	12.8	19.3
9	5.0	1041	1	----	----	----	0.046	4.4	----	----	----	----	----	1.7	13.1	19.2
9	10.0	1047	1	----	----	----	0.042	3.1	18	43	38	23	----	1.7	14.3	19.2
10	1.0	1148	1	----	----	----	0.054	6.8	7	37	54	17	----	1.2	14.4	19.6
11	1.0	1205	1	----	----	----	0.044	3.7	8	28	62	20	----	0.9	17.5	18.8
12	0.0	1227	1	----	----	----	0.059	8.4	----	----	----	----	2.3	1.7	18.6	19.5
12	2.0	1233	1	14.8	2.0	0.88	0.083	15.9	10	10	79	10	----	1.8	18.2	19.4
12	5.0	1237	1	----	----	----	0.026	----	----	----	----	----	----	1.0	23.3	17.3
12	8.0	1242	1	----	----	----	0.025	----	0	0	99	39	----	1.0	23.6	17.2
13	1.0	1315	1	----	----	----	0.046	4.3	0	31	68	17	----	1.0	19.2	19.6
14	1.0	1325	1	----	----	----	0.041	2.9	0	16	83	21	----	1.0	20.1	18.4
15	0.0	1345	1	----	----	----	0.027	----	----	----	----	----	0.7	0.9	20.7	20.0
15	2.0	1350	1	3.4	0.8	0.81	0.037	1.6	1	26	71	19	----	1.0	21.4	19.2
15	5.0	1356	1	----	----	----	0.040	2.4	----	----	----	----	----	1.4	24.0	17.3
15	10.0	1405	1	----	----	----	0.030	----	10	8	80	28	----	1.3	25.7	16.4
16	1.0	1429	1	----	----	----	0.036	1.5	2	15	82	20	----	0.9	25.7	16.8
17	0.0	1448	1	----	----	----	0.039	2.3	----	----	----	----	0.6	0.8	24.0	18.1
17	2.0	1453	1	3.2	0.9	0.79	0.040	2.6	5	27	67	16	----	0.8	24.2	18.0
17	5.0	1458	1	----	----	----	0.044	3.7	----	----	----	----	----	0.8	25.4	17.1
17	10.0	1502	1	----	----	----	0.044	3.7	----	----	----	----	----	0.8	27.1	15.9
17	15.0	1508	1	----	----	----	0.044	3.8	23	20	56	14	----	1.1	29.2	14.9
19	2.0	16	1	5.1	1.7	0.75	0.049	5.2	30	22	47	10	----	0.8	29.6	14.9
19	5.0	1602	1	----	----	----	0.051	5.9	----	----	----	----	----	0.9	30.0	14.5
19	10.0	1558	1	----	----	----	0.049	5.2	----	----	----	----	----	0.8	30.2	14.4
19	18.0	1555	1	----	----	----	0.053	6.5	40	27	32	10	----	0.9	30.6	14.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.92	-9.79	309.16	3.58
EXT COEFF vs NEPHELOMETER	6	0.99	0.63	4.66	0.42

Location: Suisun Transect
Date: June 5,1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	15.0	1105	0	20.3	3.9	0.84	0.31	20.3	44	40	14	10	3.3	19.4	8.2	19.0	10.3
71	13.0	1100	0	----	----	----	0.36	25.1	----	----	----	----	4.3	19.4	7.4	18.9	5.4
72	13.0	1045	0	----	----	----	0.43	31.7	----	----	----	----	----	18.3	4.9	17.6	7.2
73	13.0	1035	0	----	----	----	0.48	36.5	38	52	8	7	7.5	18.8	4.3	----	----
74	----	1025	0	----	----	----	0.49	37.9	----	----	----	----	----	----	4.0	----	----
75	----	1010	0	----	----	----	0.52	40.3	----	----	----	----	----	----	4.0	----	----
77	3.0	1000	1	----	----	----	0.45	34.1	----	----	----	----	15.0	17.8	1.5	17.8	1.5
78	4.0	910	1	33.2	9.0	0.79	0.44	33.2	22	59	18	7	15.0	15.7	0.3	15.6	0.1
80	1.5	818	1	----	----	----	0.24	14.1	----	----	----	----	15.0	17.9	----	17.9	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	2	1.00	-8.76	95.25	0.00

Location: South S.F. Bay
Date: June 5,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
20	1.0	1631	1	----	----	----	0.069	----	----	----	----	----	----	----	28.4	17.3
21	1.0	1646	1	----	----	----	0.083	----	----	----	----	----	----	----	28.0	19.3
22	1.0	1700	1	----	----	----	0.107	----	----	----	----	----	----	----	28.2	19.1
23	1.0	1710	1	----	----	----	0.066	----	----	----	----	----	----	----	28.3	17.9
24	1.0	1722	1	----	----	----	0.066	----	----	----	----	----	----	----	28.1	18.5
25	1.0	1731	1	----	----	----	0.070	----	----	----	----	----	----	----	27.9	19.7
26	1.0	1743	1	----	----	----	0.076	----	----	----	----	----	----	----	27.5	19.8
27	1.0	1751	1	----	----	----	0.050	----	----	----	----	----	----	----	27.3	20.1
28	1.0	1759	1	----	----	----	0.047	----	----	----	----	----	----	----	26.6	20.6
29	1.0	1808	1	----	----	----	0.048	----	----	----	----	----	----	----	26.5	20.9
30	1.0	1825	1	----	----	----	0.055	----	----	----	----	----	----	----	25.8	21.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South SF Bay
Date: July 9, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	1115	1	----	----	----	0.054	5.3	----	----	----	----	4.5	4.5	26.0	21.6
36	2.0	1120	1	3.1	4.9	0.39	0.054	5.3	7	60	31	28	----	4.5	26.0	21.5
36	5.0	1133	1	----	----	----	0.053	5.2	24	59	15	22	----	4.6	26.2	21.5
35	1.0	1150	1	----	----	----	0.044	3.8	----	----	----	----	----	3.3	27.4	21.3
34	1.0	1155	1	----	----	----	0.040	3.2	7	39	53	30	----	2.5	27.6	21.2
33	1.0	1209	1	----	----	----	0.034	2.3	0	46	53	32	----	1.7	28.1	20.8
32	0.0	1231	1	----	----	----	0.031	1.9	----	----	----	----	1.3	1.2	28.1	20.9
32	2.0	1237	1	1.6	1.9	0.45	0.030	1.8	0	45	54	40	----	1.4	28.1	20.9
32	5.0	1241	1	----	----	----	0.029	1.6	----	----	----	----	----	1.7	28.1	20.6
32	10.0	1245	1	----	----	----	0.029	1.7	5	42	52	32	----	1.6	28.2	20.6
31	1.0	1302	1	----	----	----	0.027	1.4	0	31	68	37	----	1.3	28.2	20.1
30	0.0	1325	1	----	----	----	0.024	0.9	----	----	----	----	----	1.2	28.2	20.3
30	2.0	1329	1	1.0	1.8	0.36	0.025	1.0	8	39	52	42	----	1.3	28.2	20.2
30	5.0	1333	1	----	----	----	0.029	1.6	----	----	----	----	----	1.6	28.2	20.2
30	10.0	1336	1	----	----	----	0.026	1.1	13	43	43	36	----	1.7	28.2	20.2
29	1.0	1405	1	----	----	----	0.024	0.9	14	20	64	31	----	1.0	28.5	19.6
28	1.0	1415	1	----	----	----	0.031	2.0	5	21	73	25	----	0.8	28.7	19.6
27	0.0	1431	0	----	----	----	0.028	1.4	----	----	----	----	0.7	0.8	29.3	19.2
27	2.0	1435	0	1.8	0.8	0.69	0.030	1.7	5	22	72	23	----	0.8	29.2	19.1
27	5.0	1440	0	----	----	----	0.029	1.6	----	----	----	----	----	0.9	29.2	19.1
27	10.0	1445	0	----	----	----	0.025	1.1	----	----	----	----	----	0.9	29.3	18.9
26	1.0	1500	0	----	----	----	0.037	2.8	6	24	68	22	----	0.8	29.5	18.7
25	1.0	1512	0	----	----	----	0.033	2.3	16	31	52	13	----	0.8	29.7	18.3
24	0.0	1528	0	----	----	----	0.032	2.1	----	----	----	----	0.8	0.9	30.1	17.6
24	2.0	1533	0	3.1	1.4	0.68	0.037	2.8	15	32	52	18	----	0.9	30.1	17.4
24	5.0	1538	0	----	----	----	0.034	2.3	----	----	----	----	----	0.9	30.2	16.9
24	9.0	1543	0	----	----	----	0.033	2.2	10	43	45	20	----	1.0	30.2	16.9
23	1.0	1600	0	----	----	----	0.043	3.7	14	30	55	11	----	0.8	30.1	17.2
22	1.0	1612	0	----	----	----	0.040	3.3	16	31	51	11	----	0.8	30.1	16.8
21	0.0	1626	0	----	----	----	0.047	4.2	----	----	----	----	0.8	0.9	30.0	17.4
21	2.0	1630	0	4.4	1.3	0.77	0.049	4.5	10	30	58	10	----	0.9	30.0	17.4
21	5.0	1634	0	----	----	----	0.043	3.8	----	----	----	----	----	0.9	30.3	16.1
21	10.0	1642	0	----	----	----	0.047	4.2	32	33	34	15	----	1.1	30.7	15.6
20	1.0	1702	0	----	----	----	0.051	4.9	36	28	34	9	----	0.9	30.7	15.7
19	2.0	1740	-1	7.6	3.8	0.66	0.056	5.5	45	29	24	8	0.9	0.9	31.4	14.6
19	5.0	1743	-1	----	----	----	0.055	5.4	----	----	----	----	----	1.0	31.5	14.8
19	10.0	1738	-1	----	----	----	0.058	5.8	----	----	----	----	----	1.0	31.5	14.7
19	15.0	1734	-1	----	----	----	0.058	5.8	----	----	----	----	----	1.0	31.5	14.6
19	18.0	1730	-1	----	----	----	0.059	6.1	51	27	20	9	----	1.0	31.6	14.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.70	-2.64	147.33	1.33
EXT COEFF vs NEPHELOMETER	6	1.00	0.59	3.35	0.10

Location: South Bay Transect
Date: July 9, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
300	----	950	1	3.2	1.1	0.75	0.08	2.1	0	17	82	32	1.0	21.4	----	----	----
301	----	1000	1	----	----	----	0.09	2.1	----	----	----	----	0.9	21.0	----	----	----
302	----	1005	1	2.1	1.2	0.64	0.09	2.0	13	6	79	26	1.1	20.9	----	----	----
303	----	1012	1	----	----	----	0.13	1.6	----	----	----	----	1.0	21.0	29.3	----	----
304	----	1017	1	1.4	0.9	0.62	0.11	1.8	9	5	84	22	1.0	21.0	29.6	----	----
305	----	1026	1	1.5	1.3	0.55	0.09	2.1	7	21	70	28	1.2	21.6	29.7	----	----
306	----	1032	1	----	----	----	0.34	----	----	----	----	----	1.9	22.0	29.5	----	----
307	----	1042	1	1.1	1.9	0.38	0.08	2.1	19	14	65	29	1.1	20.8	29.4	----	----
308	----	1049	1	----	----	----	0.07	2.2	----	----	----	----	0.9	20.1	29.4	----	----
309	----	1055	1	2.7	2.0	0.57	0.09	2.0	13	37	49	23	1.0	18.8	30.3	----	----
310	----	1101	1	----	----	----	0.10	1.9	----	----	----	----	1.0	17.8	30.7	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	6	0.02	3.01	-11.02	0.88

Location: North SF Bay
Date: July 9, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1820	-1	----	----	----	0.046	----	----	----	----	----	----	----	29.3	17.7
16	1.0	1835	-1	----	----	----	0.040	----	----	----	----	----	----	----	28.2	18.0
15	1.0	1857	-1	----	----	----	0.024	----	----	----	----	----	----	----	26.5	18.7
14	1.0	1912	-1	----	----	----	0.024	----	----	----	----	----	----	----	25.9	18.9
13	1.0	1927	-1	----	----	----	0.028	----	----	----	----	----	----	----	23.9	19.6
12	1.0	1944	-1	----	----	----	0.029	----	----	----	----	----	----	----	20.8	19.4
11	1.0	1959	-1	----	----	----	0.030	----	----	----	----	----	----	----	20.0	19.6
10	1.0	2015	0	----	----	----	0.030	----	----	----	----	----	----	----	17.9	19.4
9	1.0	2028	0	----	----	----	0.030	----	----	----	----	----	----	----	16.3	19.3
7	1.0	2056	0	----	----	----	0.035	----	----	----	----	----	----	----	11.5	19.9
5	1.0	2132	0	----	----	----	0.095	----	----	----	----	----	----	----	5.0	20.6
4	1.0	2148	0	----	----	----	0.091	----	----	----	----	----	----	----	2.8	20.4

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: July 10, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
652	1.0	909	-1	----	----	----	0.096	14.8	----	----	----	----	----	8.7	1.7	20.4
2	1.0	918	-1	----	----	----	0.125	20.8	----	----	----	----	----	9.7	2.4	20.2
3	0.0	935	-1	----	----	----	0.098	15.3	----	----	----	----	7.0	7.4	2.0	20.4
3	2.0	939	-1	13.8	10.3	0.57	0.099	15.5	31	59	9	12	----	7.4	2.1	20.3
3	5.0	943	-1	----	----	----	0.109	17.6	----	----	----	----	----	8.3	2.4	20.4
3	10.0	948	-1	----	----	----	0.114	18.6	28	58	13	10	----	8.9	2.5	20.4
4	1.0	1009	-1	----	----	----	0.140	23.8	27	68	4	8	----	9.5	3.0	20.3
5	1.0	1020	-1	----	----	----	0.159	27.7	36	57	6	7	----	8.5	3.8	20.4
6	0.0	1030	-1	----	----	----	0.187	33.5	----	----	----	----	8.3	7.6	5.6	20.6
6	2.0	1044	-1	34.7	12.0	0.74	0.187	33.5	34	59	5	6	----	7.7	5.6	20.5
6	5.0	1049	-1	----	----	----	0.187	33.5	34	60	4	6	----	7.8	5.6	20.5
7	1.0	1115	-1	----	----	----	0.181	32.3	37	51	10	6	----	6.4	8.5	20.3
8	1.0	1129	-1	----	----	----	0.156	27.1	25	69	4	7	----	8.8	10.3	19.9
9	0.0	1147	0	----	----	----	0.114	18.6	----	----	----	----	4.1	4.7	11.0	20.2
9	2.0	1150	0	17.7	8.9	0.67	0.114	18.6	28	64	7	9	----	6.4	11.2	19.9
9	5.0	1155	0	----	----	----	0.109	17.5	----	----	----	----	----	6.6	11.6	19.9
9	10.0	1159	0	----	----	----	0.108	17.3	27	65	7	9	----	6.4	11.8	19.8
10	1.0	1219	0	----	----	----	0.077	11.0	33	57	9	12	----	3.2	13.1	19.6
11	1.0	1235	0	----	----	----	0.054	6.3	----	----	----	----	----	1.5	16.4	19.6
12	0.0	1259	1	----	----	----	0.035	2.5	----	----	----	----	1.3	1.1	20.3	20.9
12	2.0	1312	1	3.2	0.8	0.79	0.035	2.4	0	40	59	21	----	1.1	22.0	20.2
12	5.0	1321	1	----	----	----	0.029	1.2	7	53	39	25	----	3.2	23.0	19.4
13	1.0	1354	1	----	----	----	0.024	0.3	0	44	55	27	----	1.6	25.9	18.7
14	1.0	1409	1	----	----	----	0.025	0.4	0	33	66	27	----	1.2	26.6	18.4
15	0.0	1434	1	----	----	----	0.031	1.6	----	----	----	----	1.1	1.1	28.7	17.5
15	2.0	1439	1	2.5	2.0	0.56	0.031	1.7	0	56	43	19	----	1.1	28.9	17.3
15	5.0	1444	1	----	----	----	0.032	1.9	----	----	----	----	----	1.2	29.1	17.2
15	10.0	1450	1	----	----	----	0.034	2.2	----	----	----	----	----	1.1	29.5	16.9
15	15.0	1454	1	----	----	----	0.034	2.3	15	39	44	18	----	1.0	29.5	16.9
16	1.0	1523	1	----	----	----	0.043	4.1	35	31	33	10	----	0.7	30.6	15.4
17	0.0	1542	1	----	----	----	0.048	5.0	----	----	----	----	0.7	0.7	30.9	15.7
17	2.0	1545	1	5.5	3.3	0.63	0.050	5.5	36	31	31	10	----	0.7	30.9	15.5
17	5.0	1549	1	----	----	----	0.053	6.2	----	----	----	----	----	0.7	31.2	15.1
17	10.0	1552	1	----	----	----	0.060	7.6	----	----	----	----	----	0.8	31.6	14.4
17	15.0	1557	1	----	----	----	0.061	7.7	41	32	25	9	----	0.9	31.6	14.4
19	2.0	1639	1	6.7	3.9	0.63	0.057	6.9	2	68	28	11	----	0.6	31.6	14.7
19	15.0	1631	1	----	----	----	0.060	7.6	32	42	24	11	----	0.6	31.7	14.6

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.99	-4.64	203.76	1.12
EXT COEFF vs NEPHELOMETER	6	0.98	0.28	5.03	0.50

Location: San Pablo Bay Transect
Date: July 10, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
142	3.5	1242	1	----	----	----	0.05	1.7	----	----	----	----	1.2	20.5	24.4	20.4	24.4
143	3.0	1236	1	----	----	----	0.03	1.3	----	----	----	----	0.5	21.4	23.5	21.3	23.5
144	2.8	1229	1	0.1	0.7	0.14	0.03	1.3	0	0	99	65	0.5	22.2	22.5	22.2	22.5
145	2.8	1223	1	----	----	----	0.04	1.4	----	----	----	----	1.2	22.5	22.9	22.6	23.0
146	2.5	1218	1	----	----	----	0.06	1.9	----	----	----	----	2.7	22.8	23.7	22.8	23.7
147	1.5	1212	1	----	----	----	0.11	3.1	----	----	----	----	7.5	23.8	24.2	23.8	24.3
148	3.3	1205	1	5.6	7.2	0.44	0.20	5.5	13	77	9	24	10.0	24.6	23.8	24.0	24.0
149	4.5	1154	1	----	----	----	0.56	14.3	----	----	----	----	7.5	23.5	22.3	22.7	22.8
150	1.5	1135	0	----	----	----	0.06	2.0	----	----	----	----	1.2	22.5	23.6	22.6	23.6
151	3.0	1128	0	----	----	----	0.03	1.3	----	----	----	----	3.8	20.9	22.4	20.9	22.4
152	5.0	1120	0	2.4	1.8	0.58	0.03	1.2	2	78	19	26	2.5	20.2	21.6	20.1	21.4
153	5.0	1109	0	----	----	----	0.03	1.3	----	----	----	----	----	20.4	19.3	19.8	19.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	3	0.81	0.50	24.66	1.69

Location: Suisun Bay Transect
Date: July 10, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	5.0	1038	-1	14.0	4.9	0.74	0.68	25.9	50	47	1	5	8.3	20.5	10.3	20.3	10.3
71	5.0	1032	-1	----	----	----	0.63	22.8	----	----	----	----	7.5	20.6	9.7	20.5	9.9
72	5.0	1026	-1	----	----	----	0.70	27.1	----	----	----	----	10.0	20.6	9.6	20.5	9.4
73	5.0	1019	-1	----	----	----	0.16	----	23	58	18	29	4.3	21.4	7.0	20.7	8.7
74	2.0	1008	0	----	----	----	0.79	32.7	----	----	----	----	4.3	21.0	7.3	20.9	7.3
75	1.3	950	0	----	----	----	0.16	----	----	----	----	----	4.3	21.1	6.9	20.8	7.9
76	0.4	955	1	26.3	6.2	0.81	0.57	19.0	42	53	3	7	4.3	20.8	7.7	20.8	7.6
77	0.6	1000	1	----	----	----	0.29	1.7	----	----	----	----	3.3	21.1	7.1	21.2	7.2
78	5.0	942	1	41.3	12.7	0.76	0.85	36.7	44	52	2	5	8.3	20.7	7.6	20.7	7.6
79	5.0	936	1	----	----	----	0.73	28.7	----	----	----	----	8.3	20.9	6.7	20.8	6.7
80	1.0	914	1	----	----	----	0.57	19.0	----	----	----	----	5.0	21.0	5.0	21.0	6.3

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	3	0.42	-16.30	62.01	14.64

Location: South SF Bay
Date: July 10, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
20	1.0	1703	1	----	----	----	0.055	----	----	----	----	----	----	----	30.3	17.1
21	1.0	1721	1	----	----	----	0.053	----	----	----	----	----	----	----	30.1	17.6
22	1.0	1733	1	----	----	----	0.044	----	----	----	----	----	----	----	30.2	17.2
23	1.0	1749	1	----	----	----	0.041	----	----	----	----	----	----	----	30.2	17.3
24	1.0	1800	1	----	----	----	0.039	----	----	----	----	----	----	----	30.0	18.4
25	1.0	1812	1	----	----	----	0.039	----	----	----	----	----	----	----	29.5	19.7
26	1.0	1826	1	----	----	----	0.031	----	----	----	----	----	----	----	29.1	19.7
27	1.0	1835	1	----	----	----	0.029	----	----	----	----	----	----	----	28.8	20.1
28	1.0	1845	1	----	----	----	0.026	----	----	----	----	----	----	----	28.4	20.4
29	1.0	1856	1	----	----	----	0.026	----	----	----	----	----	----	----	28.4	20.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South SF Bay
Date: August 13, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
32	0.0	925	0	----	----	----	0.298	34.5	----	----	----	----	3.7	3.4	29.4	20.3
32	2.0	927	0	34.2	9.1	0.79	0.296	34.3	3	29	67	5	----	3.6	29.4	20.3
32	5.0	931	0	----	----	----	0.290	33.5	1	41	56	5	----	3.7	29.4	20.3
31	1.0	951	0	----	----	----	0.322	37.5	3	31	65	4	----	3.6	29.6	20.4
30	0.0	1020	-1	----	----	----	0.223	25.3	----	----	----	----	3.2	3.4	29.8	20.3
30	2.0	1024	-1	27.7	12.3	0.69	0.239	27.3	0	37	62	6	----	3.6	29.8	20.3
30	5.0	1029	-1	----	----	----	0.235	26.8	----	----	----	----	----	3.9	29.8	20.3
30	10.0	1032	-1	----	----	----	0.229	26.0	2	45	52	6	----	4.1	29.8	20.3
29	1.0	1104	-1	----	----	----	0.116	12.0	0	49	50	12	----	2.5	29.9	20.3
28	1.0	1114	-1	----	----	----	0.063	5.6	----	----	----	----	----	1.8	30.1	20.1
27	0.0	1127	-1	----	----	----	0.050	4.0	----	----	----	----	----	1.8	30.1	20.1
27	2.0	1132	-1	3.3	5.0	0.40	0.050	4.0	0	51	48	23	----	1.8	30.1	20.1
27	5.0	1138	-1	----	----	----	0.048	3.8	----	----	----	----	----	2.0	30.1	20.1
27	10.0	1142	-1	----	----	----	0.049	3.8	2	27	69	23	----	2.2	30.1	20.1
26	1.0	1205	-1	----	----	----	0.049	3.9	----	----	----	----	----	1.8	30.3	20.1
25	1.0	1219	-1	----	----	----	0.032	1.8	16	25	57	25	----	2.9	30.6	19.8
24	0.0	1238	1	----	----	----	0.020	0.3	----	----	----	----	0.6	0.5	30.6	18.6
24	2.0	1243	1	1.2	0.5	0.71	0.020	0.3	0	26	73	31	----	0.5	30.6	18.6
24	5.0	1248	1	----	----	----	0.020	0.3	2	35	61	31	----	0.6	30.6	18.5
23	1.0	1311	1	----	----	----	0.024	0.8	2	38	59	26	----	0.7	30.5	19.7
22	1.0	1327	1	----	----	----	0.024	0.7	0	47	52	18	----	0.6	30.9	18.0
21	0.0	1344	1	----	----	----	0.028	1.3	----	----	----	----	0.8	0.6	31.3	17.2
21	2.0	1354	1	2.1	1.0	0.67	0.027	1.2	11	34	53	15	----	0.6	31.4	17.3
21	5.0	1359	1	----	----	----	0.027	1.1	----	----	----	----	----	0.9	31.4	17.1
21	10.0	1403	1	----	----	----	0.028	1.3	9	42	47	14	----	0.8	31.4	17.1
20	1.0	1452	1	----	----	----	0.041	2.8	12	44	43	12	----	0.9	32.1	16.0
19	2.0	1546	1	2.5	2.9	0.47	0.050	3.9	15	45	39	13	0.5	0.9	32.5	15.3
19	5.0	1541	1	----	----	----	0.054	4.5	----	----	----	----	----	0.9	32.6	15.3
19	10.0	1536	1	----	----	----	0.052	4.2	----	----	----	----	----	0.9	32.5	15.4
19	15.0	1532	1	----	----	----	0.053	4.3	----	----	----	----	----	0.9	32.5	15.4
19	20.0	1527	1	----	----	----	0.054	4.4	14	48	37	12	----	1.0	32.6	15.4

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	1.00	-2.19	123.23	1.03
EXT COEFF vs NEPHELOMETER	5	0.97	-0.01	7.31	0.33

Location: South Bay Transect
Date: August 13, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
300	14.0	816	-1	13.5	9.3	0.59	0.41	14.0	2	36	60	10	2.0	20.0	29.4	20.3	30.3
301	3.0	828	-1	----	----	----	0.20	4.7	----	----	----	----	2.7	19.3	30.7	19.5	30.4
302	2.0	838	-1	5.6	8.0	0.41	0.23	6.1	5	56	38	13	4.3	18.5	31.0	18.8	30.8
303	2.0	850	-1	----	----	----	0.14	2.2	----	----	----	----	4.3	18.8	30.8	18.7	30.7
304	1.5	900	-1	2.8	6.8	0.29	0.15	2.5	7	63	29	17	4.7	18.4	30.9	18.8	30.9
305	2.5	909	-1	14.2	13.4	0.51	0.40	13.5	2	90	7	5	7.5	18.6	31.0	18.8	30.8
306	3.0	917	-1	----	----	----	0.21	5.1	----	----	----	----	7.5	18.2	31.0	18.8	31.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.99	-3.85	43.44	0.75

Location: North SF Bay
Date: August 13, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1611	1	----	----	----	0.042	----	----	----	----	----	----	----	31.7	16.4
16	1.0	1621	1	----	----	----	0.043	----	----	----	----	----	----	----	31.5	16.5
15	1.0	1639	1	----	----	----	0.031	----	----	----	----	----	----	----	28.3	18.0
14	1.0	1652	1	----	----	----	0.028	----	----	----	----	----	----	----	28.0	18.1
13	1.0	1704	1	----	----	----	0.027	----	----	----	----	----	----	----	28.2	18.0
12	1.0	1719	1	----	----	----	0.022	----	----	----	----	----	----	----	25.9	18.7
11	1.0	1730	1	----	----	----	0.023	----	----	----	----	----	----	----	22.3	19.6
10	1.0	1745	1	----	----	----	0.030	----	----	----	----	----	----	----	21.2	19.9
9	1.0	1750	1	----	----	----	0.028	----	----	----	----	----	----	----	20.3	19.8
8	1.0	1759	1	----	----	----	0.027	----	----	----	----	----	----	----	18.7	19.7
7	1.0	1812	1	----	----	----	0.037	----	----	----	----	----	----	----	15.9	19.7
6	1.0	1829	1	----	----	----	0.053	----	----	----	----	----	----	----	12.2	20.0
5	1.0	1843	1	----	----	----	0.121	----	----	----	----	----	----	----	7.5	20.8
4	1.0	1855	1	----	----	----	0.192	----	----	----	----	----	----	----	5.6	21.2
3	1.0	1908	1	----	----	----	0.185	----	----	----	----	----	----	----	3.7	21.3
2	1.0	1916	1	----	----	----	0.146	----	----	----	----	----	----	----	3.2	21.4
652	1.0	1945	1	----	----	----	0.058	----	----	----	----	----	----	----	0.9	21.6
657	1.0	2015	1	----	----	----	0.045	----	----	----	----	----	----	----	0.2	21.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: August 14, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
657	1.0	624	1	----	----	----	0.053	8.4	----	----	----	----	----	1.5	0.0	21.2
652	1.0	709	1	----	----	----	0.039	4.2	----	----	----	----	----	2.5	0.2	21.3
2	1.0	747	1	----	----	----	0.075	15.1	----	----	----	----	----	4.0	2.0	21.1
3	0.0	808	1	----	----	----	0.136	33.7	----	----	----	----	6.7	6.6	3.0	21.1
3	2.0	813	1	34.3	11.2	0.75	0.133	32.8	41	54	4	7	----	6.8	3.1	21.1
3	5.0	822	1	----	----	----	0.155	39.5	----	----	----	----	----	9.0	3.2	21.0
3	9.0	827	1	----	----	----	0.164	42.1	57	33	8	6	----	10.4	3.3	21.0
4	1.0	914	1	----	----	----	0.198	52.5	42	54	2	5	----	8.3	5.2	20.7
5	1.0	932	1	----	----	----	0.126	30.7	31	62	6	9	----	4.9	7.5	20.3
6	0.0	951	1	----	----	----	0.048	7.0	----	----	----	----	1.7	2.1	10.9	19.9
6	2.0	954	1	7.1	2.0	0.78	0.050	7.7	0	67	32	24	----	1.6	10.6	19.8
6	5.0	1001	1	----	----	----	0.045	6.3	21	53	25	25	----	2.3	11.1	19.8
7	1.0	1118	1	----	----	----	0.033	2.5	5	60	34	35	----	1.3	13.8	19.6
8	1.0	1131	1	----	----	----	0.037	3.8	11	34	54	25	----	1.0	14.6	19.8
9	0.0	1147	0	----	----	----	0.032	2.1	----	----	----	----	1.1	1.0	16.0	19.9
9	2.0	1154	0	2.7	0.7	0.80	0.030	1.6	5	44	49	34	----	1.0	16.4	19.8
9	5.0	1200	0	----	----	----	0.026	0.4	----	----	----	----	----	1.3	17.9	19.6
9	10.0	1208	0	----	----	----	0.030	1.6	2	42	55	37	----	1.5	18.3	19.6
10	1.0	1254	0	----	----	----	0.028	1.0	4	55	40	38	----	1.6	17.8	19.6
11	1.0	1309	0	----	----	----	0.029	1.3	0	27	72	37	----	1.0	18.2	19.6
12	0.0	1326	0	----	----	----	0.029	1.3	----	----	----	----	0.9	0.8	19.0	20.1
12	2.0	1331	0	2.1	0.5	0.80	0.025	0.2	0	40	59	33	----	0.8	20.0	19.5
12	5.0	1337	0	----	----	----	0.020	----	0	44	55	44	----	1.3	23.7	19.1
13	1.0	1407	0	----	----	----	0.021	----	0	20	79	38	----	0.8	24.4	19.2
14	1.0	1422	0	----	----	----	0.024	----	0	48	51	32	----	0.8	25.2	19.2
15	0.0	1454	1	----	----	----	0.022	----	----	----	----	----	0.8	0.8	26.0	19.0
15	2.0	1459	1	1.3	0.2	0.84	0.023	----	2	27	70	26	----	0.8	26.4	18.9
15	5.0	1505	1	----	----	----	0.023	----	----	----	----	----	----	0.8	27.6	18.2
15	8.6	1511	1	----	----	----	0.022	----	----	----	----	----	----	0.8	28.1	18.0
15	11.4	1515	1	----	----	----	0.022	----	0	25	74	31	----	0.8	28.5	17.8
16	1.0	1547	1	----	----	----	0.031	1.8	0	29	70	16	----	0.7	29.3	17.5
17	0.0	1610	1	----	----	----	0.031	1.8	----	----	----	----	0.7	0.6	30.8	16.8
17	2.0	1615	1	2.3	0.9	0.72	0.032	2.1	0	42	57	17	----	0.7	31.2	16.5
17	5.0	1619	1	----	----	----	0.033	2.6	----	----	----	----	----	0.7	31.4	16.4
17	10.0	1622	1	----	----	----	0.036	3.4	----	----	----	----	----	0.7	31.5	16.4
17	12.0	1626	1	----	----	----	0.039	4.3	0	50	49	11	----	0.8	31.6	16.3
19	2.0	1734	1	2.8	1.9	0.60	0.053	8.4	20	42	37	9	0.5	0.6	32.6	14.7
19	5.0	1731	1	----	----	----	0.053	8.5	----	----	----	----	----	0.6	32.6	14.8
19	10.0	1728	1	----	----	----	0.053	8.6	----	----	----	----	----	0.7	32.6	14.7
19	15.0	1722	1	----	----	----	0.054	8.8	----	----	----	----	----	0.7	32.7	14.7
19	20.0	1716	1	----	----	----	0.054	8.8	29	39	31	10	----	0.6	32.6	14.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.95	-7.43	302.11	2.88
EXT COEFF vs NEPHELOMETER	7	0.99	0.34	4.25	0.19

Location: Suisun Bay
Date: August 14, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	----	1002	0	4.3	0.9	0.82	0.09	4.2	10	20	69	33	1.4	19.5	12.5	----	----
71	----	955	1	----	----	----	0.10	4.8	----	----	----	----	1.7	19.6	11.1	----	----
72	----	950	1	----	----	----	0.11	5.4	----	----	----	----	2.1	19.4	10.3	----	----
73	----	942	1	12.5	3.6	0.78	0.23	12.6	48	31	20	19	3.8	19.1	7.7	----	----
74	----	935	1	----	----	----	-----	----	----	----	----	---	5.0	19.2	6.7	----	----
75	----	910	1	----	----	----	0.28	15.8	----	----	----	----	4.3	18.9	5.5	----	----
76	----	917	1	24.9	9.1	0.73	0.42	24.3	41	54	3	9	8.3	18.4	4.9	----	----
77	----	925	1	----	----	----	0.50	29.2	----	----	----	----	8.3	18.6	5.0	----	----
78	----	900	1	21.9	4.6	0.83	0.39	22.5	45	48	6	11	6.0	19.2	4.3	----	----
79	----	852	1	----	----	----	0.45	26.2	----	----	----	----	5.0	19.2	5.3	----	----
80	----	835	1	----	----	----	0.65	38.4	----	----	----	----	7.5	19.1	3.5	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	1.00	-1.40	61.24	0.61

Location: South SF Bay
Date: August 14, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
20	1.0	1752	1	----	----	----	0.052	----	----	----	----	----	----	----	31.0	15.0
21	1.0	1821	1	----	----	----	0.048	----	----	----	----	----	----	----	31.1	16.9
22	1.0	1830	1	----	----	----	0.049	----	----	----	----	----	----	----	31.5	16.6
23	1.0	1840	1	----	----	----	0.046	----	----	----	----	----	----	----	31.4	16.8
24	1.0	1854	1	----	----	----	0.039	----	----	----	----	----	----	----	31.3	17.5
25	1.0	1904	1	----	----	----	0.031	----	----	----	----	----	----	----	31.0	19.0
27	1.0	1924	1	----	----	----	0.029	----	----	----	----	----	----	----	30.7	19.4
28	1.0	1934	1	----	----	----	0.033	----	----	----	----	----	----	----	30.3	19.8
29	1.0	1946	1	----	----	----	0.038	----	----	----	----	----	----	----	30.1	19.8
30	1.0	2002	1	----	----	----	0.040	----	----	----	----	----	----	----	29.9	20.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South S.F. Bay
Date: August 17, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
30	1.0	920	1	----	----	----	0.058	3.0	----	----	----	----	----	----	29.8	18.1
31	1.0	935	1	----	----	----	0.069	3.9	----	----	----	----	----	----	29.7	18.5
32	1.0	944	1	----	----	----	0.076	4.5	----	----	----	----	----	----	29.7	18.6
33	1.0	955	1	----	----	----	0.068	3.8	----	----	----	----	----	----	29.6	19.2
34	1.0	1007	1	----	----	----	0.073	4.3	----	----	----	----	----	----	29.3	19.6
35	1.0	1012	1	----	----	----	0.076	4.4	----	----	----	----	----	----	29.0	20.1
36	1.0	1020	1	3.9	3.8	0.51	0.073	4.2	----	----	----	----	----	----	27.8	20.4
35	1.0	1134	-1	4.6	4.1	0.53	0.076	4.5	----	----	----	----	----	----	29.0	21.7
34	1.0	1139	-1	6.3	3.4	0.65	0.095	6.0	----	----	----	----	----	----	29.3	21.5
33	1.0	1152	-1	6.3	3.6	0.63	0.095	6.0	----	----	----	----	----	----	29.6	20.9
32	1.0	1158	-1	4.6	3.7	0.55	0.076	4.4	----	----	----	----	----	----	29.7	21.3
31	1.0	1242	-1	5.5	2.7	0.67	0.095	6.0	----	----	----	----	----	----	29.8	19.7
30	1.0	1254	-1	4.1	2.2	0.65	0.071	4.1	----	----	----	----	----	----	29.8	19.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.90	-1.78	82.34	0.34
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South S.F. Bay
Date: September 14, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
30	1.0	805	1	2.1	1.4	0.60	0.120	2.0	4	30	64	38	1.1	----	31.9	22.4
30	4.5	808	1	----	----	----	-----	----	----	----	----	----	----	----	31.9	22.6
29	1.0	825	1	----	----	----	0.092	1.7	----	----	----	----	0.9	----	32.0	22.4
28	1.0	838	1	----	----	----	0.082	1.6	----	----	----	----	0.9	----	31.8	22.2
27	1.0	855	1	1.3	1.0	0.57	0.082	1.6	6	40	53	39	0.8	----	31.9	21.8
27	2.0	856	1	----	----	----	-----	----	----	----	----	----	----	----	32.0	22.0
26	1.0	904	1	----	----	----	0.082	1.6	----	----	----	----	0.7	----	31.4	21.3
25	1.0	919	1	----	----	----	0.067	1.4	----	----	----	----	0.7	----	31.4	20.7
24	1.0	925	1	1.6	0.7	0.70	0.070	1.4	9	33	57	34	0.7	----	32.2	19.6
24	4.0	927	1	----	----	----	-----	----	----	----	----	----	----	----	32.2	19.5
23	1.0	941	1	----	----	----	0.089	1.7	----	----	----	----	0.6	----	28.8	19.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	3	0.62	0.60	11.89	0.35
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South Bay Transect
Date: September 14, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
300	4.0	1144	-1	4.3	2.6	0.63	0.14	3.3	0	24	75	29	0.9	23.3	31.3	23.0	31.3
301	----	1135	-1	----	----	----	0.11	2.6	----	----	----	----	0.8	23.3	30.5	----	----
302	3.5	1112	-1	16.4	4.8	0.77	0.64	15.6	1	91	7	7	3.0	22.9	31.6	22.8	31.6
303	----	1104	-1	----	----	----	0.40	9.7	----	----	----	----	1.9	22.8	30.9	----	----
304	3.0	1056	-1	9.6	4.9	0.66	0.45	10.9	2	82	15	9	2.1	23.1	31.9	23.1	31.8
305	4.0	1031	-1	5.1	1.7	0.76	0.21	5.0	1	43	54	22	1.5	23.0	32.0	23.0	32.1
306	----	1041	-1	----	----	----	0.82	20.0	----	----	----	----	5.0	22.5	31.4	----	----
307	3.5	1024	-1	4.7	1.9	0.71	0.20	4.9	7	53	39	20	1.4	23.0	32.0	22.9	32.0
308	----	1012	0	----	----	----	0.09	2.1	----	----	----	----	0.9	21.7	31.3	----	----
309	4.0	1000	0	1.3	0.8	0.63	0.07	1.7	13	22	63	38	0.6	21.6	32.0	21.5	32.0
310	----	948	0	----	----	----	0.09	2.2	----	----	----	----	0.7	19.2	28.3	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	6	0.97	-0.06	24.46	0.98

Location: South S.F. Bay
Date: September 17, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	928	1	----	----	----	0.051	4.6	----	----	----	----	1.2	1.1	28.6	23.0
36	2.0	938	1	4.1	1.7	0.70	0.050	4.4	6	16	76	37	----	1.1	28.8	23.0
36	5.0	948	1	----	----	----	0.049	4.3	6	20	72	37	----	1.2	29.0	23.0
35	1.0	956	1	----	----	----	0.055	5.1	3	17	78	36	----	1.2	29.7	22.9
34	1.0	1002	1	----	----	----	0.058	5.5	3	12	83	34	----	1.1	30.0	22.9
33	1.0	1017	1	----	----	----	0.051	4.6	0	22	77	34	----	1.1	30.6	22.6
32	0.0	1030	1	----	----	----	0.047	4.0	----	----	----	----	1.2	1.0	30.6	22.6
32	2.0	1036	1	2.4	1.9	0.56	0.039	2.8	0	26	73	37	----	1.1	30.7	22.6
32	5.0	1040	1	----	----	----	0.040	3.0	----	----	----	----	----	1.2	30.8	22.5
32	10.0	1046	1	----	----	----	0.039	2.9	0	37	62	38	----	1.2	30.8	22.4
31	1.0	1102	1	----	----	----	0.046	3.9	----	----	----	----	----	1.0	30.7	22.5
30	0.0	1126	1	----	----	----	0.031	1.7	----	----	----	----	1.0	0.9	31.0	22.1
30	2.0	1130	1	1.5	1.3	0.53	0.031	1.7	0	41	58	39	----	0.9	31.0	22.0
30	5.0	1135	1	----	----	----	0.030	1.6	----	----	----	----	----	1.1	31.0	21.9
30	10.0	1141	1	----	----	----	0.031	1.7	0	42	57	40	----	1.2	31.0	21.9
29	1.0	1207	1	----	----	----	0.033	2.1	0	39	60	41	----	0.9	31.1	21.5
28	1.0	1216	1	----	----	----	0.039	2.9	0	34	65	27	----	0.8	31.3	21.5
27	0.0	1232	0	----	----	----	0.034	2.2	----	----	----	----	1.1	1.3	31.4	21.6
27	2.0	1238	0	1.8	1.2	0.60	0.035	2.3	0	29	70	29	----	0.8	31.3	21.5
27	5.0	1243	0	----	----	----	0.034	2.2	----	----	----	----	----	0.8	31.3	21.1
27	10.0	1247	0	----	----	----	0.028	1.3	0	34	65	41	----	0.9	31.3	21.0
26	1.0	1304	0	----	----	----	0.037	2.5	0	32	67	32	----	0.8	31.4	21.4
25	1.0	1315	0	----	----	----	0.042	3.2	0	27	72	27	----	0.8	31.5	21.4
24	0.0	1332	-1	----	----	----	0.026	1.0	----	----	----	----	0.6	0.7	31.1	20.0
24	2.0	1332	-1	1.9	0.8	0.70	0.032	1.9	5	28	66	26	----	0.8	31.5	20.0
24	5.0	1342	-1	----	----	----	0.026	1.0	----	----	----	----	----	0.8	31.5	19.7
24	8.0	1347	-1	----	----	----	0.024	0.8	0	32	67	31	----	0.8	31.5	19.6
23	1.0	1406	-1	----	----	----	0.030	1.6	0	37	62	29	----	0.7	31.5	19.6
22	1.0	1417	-1	----	----	----	0.036	2.4	0	33	66	19	----	0.8	31.6	19.4
21	0.0	1430	-1	----	----	----	0.036	2.4	----	----	----	----	0.7	0.7	31.2	18.7
21	2.0	1435	-1	3.1	1.1	0.73	0.037	2.5	0	36	63	19	----	0.7	31.5	18.6
21	5.0	1439	-1	----	----	----	0.033	2.0	----	----	----	----	----	0.8	31.5	18.3
21	9.0	1444	-1	----	----	----	0.032	1.8	13	38	47	21	----	1.1	31.5	18.2
20	1.0	1508	-1	----	----	----	0.036	2.5	4	44	51	18	----	0.8	31.7	17.6
19	2.0	1549	-1	3.9	1.4	0.73	0.040	3.0	19	39	40	15	0.6	0.7	32.2	16.4
19	5.0	1544	-1	----	----	----	0.043	3.4	----	----	----	----	----	0.7	32.2	16.5
19	10.0	1541	-1	----	----	----	0.043	3.4	----	----	----	----	----	0.7	32.2	16.5
19	15.0	1535	-1	----	----	----	0.041	3.2	27	37	35	13	----	0.8	32.2	16.2
19	20.0	1531	-1	----	----	----	0.040	3.0	----	----	----	----	----	0.7	32.0	16.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.74	-2.64	141.05	0.58
EXT COEFF vs NEPHELOMETER	7	0.75	0.44	4.14	0.14

Location: South Bay Transect
Date: September 17, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
300	5.0	1040	1	1.6	0.8	0.65	6.46	3.0	0	32	67	22	1.0	22.6	31.5	22.4	31.5
301	3.0	1052	1	----	----	----	4.56	2.1	----	----	----	----	1.3	22.0	31.7	21.8	31.6
302	3.0	1107	1	7.6	2.3	0.77	17.30	7.8	0	59	40	5	1.4	22.0	32.0	21.5	32.1
303	3.5	1131	1	----	----	----	6.59	3.0	----	----	----	----	1.1	22.3	31.9	21.8	31.7
304	3.0	1141	1	4.7	1.4	0.77	9.34	4.2	0	40	59	11	1.0	22.9	32.0	22.2	31.9
305	4.0	1153	0	5.2	2.2	0.70	13.15	5.9	6	41	52	3	2.0	23.4	32.2	23.0	32.2
306	2.5	1206	1	----	----	----	14.53	6.5	----	----	----	----	2.7	23.6	32.4	22.5	32.4
307	4.0	1223	1	6.4	1.4	0.82	11.07	5.0	15	0	84	5	1.1	23.3	32.3	22.8	32.2
308	2.5	1236	0	----	----	----	2.79	1.4	----	----	----	----	0.8	22.6	32.1	22.2	32.1
309	4.5	1247	-1	2.9	0.9	0.75	5.07	2.4	14	74	10	19	0.8	22.1	32.0	21.4	32.1
310	4.5	1300	-1	----	----	----	4.30	2.0	----	----	----	----	0.8	19.5	32.1	18.9	32.2

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	6	0.80	0.12	0.44	1.09

Location: North S.F. Bay
Date: September 17, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1622	-1	----	----	----	0.052	----	----	----	----	----	----	----	30.7	18.6
16	1.0	1637	-1	----	----	----	0.043	----	----	----	----	----	----	----	29.5	19.5
15	1.0	1700	-1	----	----	----	0.030	----	----	----	----	----	----	----	28.1	20.6
14	1.0	1718	-1	----	----	----	0.036	----	----	----	----	----	----	----	27.2	21.0
13	1.0	1731	1	----	----	----	0.052	----	----	----	----	----	----	----	24.6	21.6
12	1.0	1751	1	----	----	----	0.041	----	----	----	----	----	----	----	23.3	21.4
11	1.0	1805	1	----	----	----	0.047	----	----	----	----	----	----	----	21.6	21.6
10	1.0	1824	1	----	----	----	0.045	----	----	----	----	----	----	----	20.0	21.7
9	1.0	1835	1	----	----	----	0.043	----	----	----	----	----	----	----	18.6	21.7
8	1.0	1845	-1	----	----	----	0.054	----	----	----	----	----	----	----	15.7	21.7
7	1.0	1904	-1	----	----	----	0.062	----	----	----	----	----	----	----	13.8	21.8
6	1.0	1925	-1	----	----	----	0.091	----	----	----	----	----	----	----	9.8	21.8
5	1.0	1940	-1	----	----	----	0.120	----	----	----	----	----	----	----	6.9	22.2
4	1.0	1958	-1	----	----	----	0.146	----	----	----	----	----	----	----	4.6	22.3

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North S.F. Bay
Date: September 18, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
3	0.0	744	-1	----	----	----	0.130	23.9	----	----	----	----	6.3	6.6	3.2	21.8
3	2.0	750	-1	23.5	8.9	0.72	0.122	22.1	39	55	5	14	----	5.5	3.3	21.8
3	5.0	755	-1	----	----	----	0.142	26.5	----	----	----	----	----	6.5	3.6	21.8
3	8.0	800	-1	----	----	----	0.143	26.7	32	62	5	11	----	7.2	3.6	21.8
4	1.0	823	-1	----	----	----	0.234	46.8	42	53	4	7	----	14.3	4.1	21.9
5	1.0	835	-1	----	----	----	0.209	41.4	42	48	9	8	----	7.3	5.1	21.9
6	0.0	854	-1	----	----	----	0.186	36.3	----	----	----	----	6.3	6.0	7.2	21.6
6	2.0	859	-1	36.8	9.4	0.80	0.191	37.4	32	64	3	8	----	6.1	7.2	21.6
6	5.0	903	-1	----	----	----	0.192	37.6	35	60	3	9	----	6.7	7.3	21.6
7	1.0	940	-1	----	----	----	0.089	14.8	7	72	19	17	----	2.9	11.1	21.1
8	1.0	956	-1	----	----	----	0.104	18.1	21	65	13	14	----	2.9	12.5	20.9
9	0.0	1014	-1	----	----	----	0.069	10.3	----	----	----	----	2.0	1.7	13.9	21.0
9	2.0	1019	-1	8.4	2.8	0.75	0.063	9.0	16	65	17	23	----	1.9	14.0	21.0
9	5.0	1023	-1	----	----	----	0.063	8.9	----	----	----	----	----	2.2	14.5	21.1
9	10.0	1027	-1	----	----	----	0.054	6.9	----	----	----	----	----	2.2	16.1	21.2
9	15.0	1031	-1	----	----	----	0.051	6.3	----	----	----	----	----	2.5	17.3	21.2
9	12.0	1038	-1	----	----	----	0.049	5.9	15	57	27	29	----	2.2	17.1	21.2
10	1.0	1057	1	----	----	----	0.043	4.5	4	47	47	31	----	1.2	18.6	21.2
11	1.0	1116	1	----	----	----	0.051	6.3	4	30	65	23	----	2.0	21.5	21.4
12	0.0	1138	1	----	----	----	0.039	3.8	----	----	----	----	0.6	0.7	25.2	20.9
12	2.0	1143	1	----	----	----	0.034	2.6	0	22	77	25	----	0.7	25.6	20.9
12	5.0	1147	1	----	----	----	0.026	0.8	0	14	85	39	----	1.0	25.9	20.6
13	1.0	1218	1	----	----	----	0.025	0.7	4	23	71	35	----	0.8	28.2	19.9
14	1.0	1232	1	----	----	----	0.026	0.7	4	31	64	31	----	0.9	28.8	19.4
15	0.0	1258	1	----	----	----	0.028	1.3	----	----	----	----	0.8	0.7	29.4	19.5
15	2.0	1302	1	2.3	0.9	0.71	0.030	1.7	5	40	53	22	----	0.7	29.4	19.1
15	5.0	1306	1	----	----	----	0.031	1.9	----	----	----	----	----	0.7	29.5	19.0
15	10.0	1310	1	----	----	----	0.032	2.2	----	----	----	----	----	0.7	30.3	18.6
15	15.0	1314	1	----	----	----	0.032	2.2	2	41	55	23	----	0.6	30.5	18.3
16	1.0	1339	1	----	----	----	0.037	3.2	21	33	44	13	----	0.5	31.5	17.3
17	0.0	1402	-1	----	----	----	0.040	3.9	----	----	----	----	0.5	1.1	31.8	17.1
17	2.0	1407	-1	4.6	1.6	0.74	0.046	5.2	19	35	44	11	----	0.4	31.9	17.1
17	5.0	1410	-1	----	----	----	0.042	4.4	----	----	----	----	----	0.4	32.2	16.3
17	10.0	1414	-1	----	----	----	0.038	3.6	----	----	----	----	----	0.7	32.4	16.0
17	15.0	1417	-1	----	----	----	0.038	3.5	29	34	35	14	----	0.8	32.5	15.9
19	2.0	1504	-1	4.3	1.1	0.79	0.042	4.3	18	43	38	12	0.6	0.4	32.4	16.1
19	20.0	1459	-1	----	----	----	0.045	4.9	28	40	31	13	----	0.4	32.4	15.9

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	1.00	-4.95	221.46	0.92
EXT COEFF vs NEPHELOMETER	7	0.98	0.13	5.37	0.37

Location: San Pablo Bay Transect
Date: September 18, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
140	5.0	1324	1	1.7	0.8	0.67	0.04	1.4	4	20	74	31	1.0	19.9	29.8	19.7	29.8
141	4.8	1315	1	----	----	----	0.03	1.1	----	----	----	----	0.9	20.3	29.3	20.1	29.4
142	3.5	1307	1	----	----	----	0.03	1.2	----	----	----	----	0.9	20.9	28.5	20.7	28.5
143	3.3	1301	1	----	----	----	0.03	0.9	----	----	----	----	1.0	21.4	27.6	21.3	27.7
144	3.5	1253	1	1.1	1.2	0.47	0.03	1.1	0	40	59	43	1.7	21.8	25.8	21.6	26.3
145	2.5	1245	1	----	----	----	0.05	2.3	----	----	----	----	1.7	21.9	26.1	21.8	25.6
146	3.0	1240	1	----	----	----	0.08	4.5	----	----	----	----	3.0	22.2	26.0	21.6	26.0
147	3.5	1233	1	----	----	----	0.08	4.5	----	----	----	----	3.0	22.0	26.3	21.4	26.1
148	4.0	1228	1	5.5	1.7	0.76	0.09	5.4	4	68	26	25	3.8	22.0	26.7	21.2	26.9
149	5.0	1212	1	----	----	----	0.15	9.9	----	----	----	----	6.0	21.5	27.6	21.1	27.6
150	3.0	1120	1	----	----	----	0.02	0.7	----	----	----	----	0.8	21.5	25.4	21.2	25.5
151	2.2	1107	1	----	----	----	0.03	0.8	----	----	----	----	0.6	21.3	25.2	21.3	25.2
152	5.0	1048	1	1.6	1.1	0.60	0.04	1.8	3	31	64	37	1.2	21.6	24.4	21.5	24.3
153	5.0	1032	1	----	----	----	0.06	3.2	----	----	----	----	1.1	21.9	23.1	21.5	23.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.99	-1.16	74.56	0.24

Location: Suisun Bay Transect
Date: September 18, 1979

STATN NUMBR	WATER DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	DISCR FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	SURFC TEMP	SURFC SAL	BOTOM TEMP	BOTOM SAL
70	5.0	852	0	16.7	9.2	0.64	0.20	18.2	35	56	8	12	6.0	21.1	11.8	21.0	12.5
71	5.0	844	0	----	----	----	0.22	21.4	----	----	----	----	5.0	21.0	11.5	21.1	12.1
72	5.0	832	0	----	----	----	0.20	19.0	----	----	----	----	5.0	21.2	10.8	21.1	11.5
73	4.5	823	0	27.6	7.5	0.79	0.27	27.5	40	54	4	9	6.0	21.2	10.2	21.1	10.4
74	2.0	815	0	----	----	----	0.35	37.7	----	----	----	----	7.5	20.5	9.5	20.7	10.1
75	1.0	755	0	----	----	----	0.27	27.5	----	----	----	----	7.5	20.1	9.3	20.2	9.5
76	----	805	0	34.5	8.2	0.81	0.33	35.2	41	55	3	8	7.5	20.7	10.1	----	----
78	5.0	742	-1	25.5	8.4	0.75	0.24	23.4	32	62	4	10	10.0	21.4	8.8	21.3	9.1
79	2.0	730	-1	----	----	----	0.34	36.4	----	----	----	----	10.0	21.5	8.5	21.5	8.5
80	----	712	-1	----	----	----	0.56	64.4	----	----	----	----	10.0	20.6	5.1	----	----

REGRESSION	N	r^2	a	b	Syx
CHL a vs DISCRETE FLUORESCENCE	4	0.96	-6.80	127.15	1.91

Location: South S.F. Bay
Date: September 18, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
20	1.0	1535	-1	----	----	----	0.037	----	----	----	----	----	----	----	31.8	17.6
21	1.0	1553	-1	----	----	----	0.039	----	----	----	----	----	----	----	31.7	18.8
22	1.0	1603	-1	----	----	----	0.034	----	----	----	----	----	----	----	31.7	19.1
23	1.0	1617	-1	----	----	----	0.040	----	----	----	----	----	----	----	31.6	20.5
24	1.0	1630	-1	----	----	----	0.045	----	----	----	----	----	----	----	31.6	21.1
25	1.0	1641	-1	----	----	----	0.041	----	----	----	----	----	----	----	31.4	21.6
26	1.0	1654	-1	----	----	----	0.040	----	----	----	----	----	----	----	31.4	21.3
27	1.0	1706	-1	----	----	----	0.038	----	----	----	----	----	----	----	31.2	21.7
28	1.0	1717	-1	----	----	----	0.040	----	----	----	----	----	----	----	31.0	22.1
29	1.0	1724	-1	----	----	----	0.046	----	----	----	----	----	----	----	31.0	22.3
30	1.0	1742	-1	----	----	----	0.061	----	----	----	----	----	----	----	30.8	22.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South S.F. Bay
Date: October 15, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	920	1	----	----	----	0.045	3.0	----	----	----	----	----	----	29.0	20.5
36	2.0	925	1	1.2	1.8	0.41	0.041	2.4	----	----	----	----	----	----	29.2	20.5
36	5.0	929	1	----	----	----	0.040	2.3	----	----	----	----	----	----	29.3	20.4
35	1.0	958	0	----	----	----	0.043	2.7	----	----	----	----	----	----	29.3	20.5
34	1.0	1005	0	----	----	----	0.039	2.2	----	----	----	----	----	----	30.1	20.4
33	1.0	1022	0	----	----	----	0.034	1.5	----	----	----	----	----	----	30.7	20.4
32	0.0	1033	0	----	----	----	0.038	2.0	----	----	----	----	----	----	30.6	20.6
32	2.0	1037	0	0.6	2.0	0.23	0.033	1.2	----	----	----	----	----	----	30.8	20.2
32	5.0	1039	0	----	----	----	0.031	1.0	----	----	----	----	----	----	30.9	20.2
32	10.0	1042	0	----	----	----	0.032	1.1	----	----	----	----	----	----	30.9	20.2
31	1.0	1054	0	----	----	----	0.042	2.6	----	----	----	----	----	----	30.8	20.3
30	1.0	1107	0	----	----	----	0.029	0.8	----	----	----	----	----	----	31.2	20.0
29	1.0	1125	-1	----	----	----	0.029	0.8	----	----	----	----	----	----	31.4	20.0
28	1.0	1134	-1	----	----	----	0.038	2.0	----	----	----	----	----	----	31.5	20.0
27	0.0	1200	-1	----	----	----	0.032	1.2	----	----	----	----	----	----	31.6	19.9
27	2.0	1203	-1	2.2	2.5	0.47	0.037	1.9	----	----	----	----	----	----	31.5	20.0
27	5.0	1207	-1	----	----	----	0.028	0.6	----	----	----	----	----	----	31.5	19.8
27	10.0	1210	-1	----	----	----	0.029	0.8	----	----	----	----	----	----	31.5	19.8
26	1.0	1225	-1	----	----	----	0.039	2.2	----	----	----	----	----	----	31.0	20.0
25	1.0	1238	-1	----	----	----	0.035	1.6	----	----	----	----	----	----	31.0	19.9
24	0.0	1338	-1	----	----	----	0.029	0.8	----	----	----	----	----	----	31.4	19.1
24	2.0	1355	-1	1.6	0.8	0.65	0.029	0.8	----	----	----	----	----	----	31.4	19.1
24	5.0	1359	-1	----	----	----	0.028	0.5	----	----	----	----	----	----	31.4	18.9
23	1.0	1313	-1	----	----	----	0.030	0.9	----	----	----	----	----	----	31.2	18.6
22	1.0	1324	-1	----	----	----	0.055	4.4	----	----	----	----	----	----	31.2	18.5
21	0.0	1337	-1	----	----	----	0.035	1.6	----	----	----	----	----	----	31.1	18.2
21	2.0	1340	-1	1.9	1.6	0.55	0.035	1.6	----	----	----	----	----	----	31.1	18.0
21	5.0	1343	-1	----	----	----	0.032	1.2	----	----	----	----	----	----	31.1	17.8
21	10.0	1346	-1	----	----	----	0.032	1.1	----	----	----	----	----	----	31.1	17.7
21	15.0	1350	-1	----	----	----	0.034	1.4	----	----	----	----	----	----	31.1	17.7
20	1.0	1408	-1	----	----	----	0.038	2.0	----	----	----	----	----	----	31.2	17.6
19	0.0	1447	-1	----	----	----	0.053	4.1	----	----	----	----	----	----	31.8	16.9
19	2.0	1444	-1	5.0	1.9	0.72	0.056	4.5	----	----	----	----	----	----	31.8	16.9
19	5.0	1441	-1	----	----	----	0.053	4.1	----	----	----	----	----	----	31.7	16.9
19	10.0	1437	-1	----	----	----	0.050	3.7	----	----	----	----	----	----	31.7	16.8
19	15.0	1435	-1	----	----	----	0.053	4.1	----	----	----	----	----	----	31.8	16.8
19	23.0	1430	-1	----	----	----	0.060	5.1	----	----	----	----	----	----	31.9	16.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.75	-3.30	139.97	0.86
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: October 15,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1520	-1	----	----	----	0.044	----	----	----	----	----	----	----	30.5	18.0
16	1.0	1536	-1	----	----	----	0.038	----	----	----	----	----	----	----	28.6	18.6
15	1.0	1558	-1	----	----	----	0.030	----	----	----	----	----	----	----	27.4	18.8
14	1.0	1615	-1	----	----	----	0.030	----	----	----	----	----	----	----	26.4	19.0
13	1.0	1629	-1	----	----	----	0.027	----	----	----	----	----	----	----	25.2	19.1
12	1.0	1704	-1	----	----	----	0.027	----	----	----	----	----	----	----	21.8	19.2
11	1.0	1720	-1	----	----	----	0.027	----	----	----	----	----	----	----	20.9	19.3
10	1.0	1737	-1	----	----	----	0.032	----	----	----	----	----	----	----	18.4	19.5
9	1.0	1748	-1	----	----	----	0.035	----	----	----	----	----	----	----	16.4	19.7
8	1.0	1800	-1	----	----	----	0.042	----	----	----	----	----	----	----	13.4	19.8
7	1.0	1820	-1	----	----	----	0.044	----	----	----	----	----	----	----	12.2	19.7
6	1.0	1840	-1	----	----	----	0.078	----	----	----	----	----	----	----	7.8	19.8
5	1.0	1908	-1	----	----	----	0.092	----	----	----	----	----	----	----	5.4	20.0
4	1.0	1926	-1	----	----	----	0.088	----	----	----	----	----	----	----	3.2	20.0

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: October 16,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
652	1.0	718	-1	----	----	----	0.069	8.0	----	----	----	----	----	----	1.3	21.0
2	1.0	734	-1	----	----	----	0.062	6.8	----	----	----	----	----	----	1.3	19.8
3	0.0	755	-1	----	----	----	0.067	7.6	----	----	----	----	----	----	1.5	19.8
3	2.0	759	-1	9.0	6.0	0.60	0.070	8.2	24	45	30	24	----	----	1.6	19.8
3	5.0	804	-1	----	----	----	0.076	9.2	----	----	----	----	----	----	1.7	19.9
3	10.0	809	-1	----	----	----	0.098	12.8	----	----	----	----	----	----	2.3	19.9
4	1.0	831	-1	----	----	----	0.095	12.3	----	----	----	----	----	----	2.3	19.8
5	1.0	844	1	----	----	----	0.090	11.5	----	----	----	----	----	----	3.4	19.8
6	0.0	912	1	----	----	----	0.097	12.5	----	----	----	----	----	----	5.7	19.6
6	2.0	917	1	12.8	7.3	0.64	0.098	12.7	6	86	6	16	----	----	6.0	19.6
6	5.0	920	1	----	----	----	0.103	13.6	----	----	----	----	----	----	6.9	19.5
6	9.0	923	1	----	----	----	0.100	13.1	----	----	----	----	----	----	7.8	19.4
7	1.0	1001	1	----	----	----	0.058	6.1	----	----	----	----	----	----	11.1	19.3
8	1.0	1009	1	----	----	----	0.041	3.3	----	----	----	----	----	----	14.4	19.3
9	0.0	1039	1	----	----	----	0.030	1.4	----	----	----	----	----	----	17.1	19.2
9	2.0	1037	1	2.1	1.2	0.63	0.031	1.6	7	46	46	37	----	----	16.7	19.2
9	5.0	1031	1	----	----	----	0.029	1.3	----	----	----	----	----	----	17.0	19.2
9	11.0	1027	1	----	----	----	0.027	1.0	----	----	----	----	----	----	17.5	19.2
10	1.0	1101	1	----	----	----	0.038	2.8	----	----	----	----	----	----	19.6	----
11	1.0	1125	1	----	----	----	0.028	1.2	----	----	----	----	----	----	21.8	19.0
12	0.0	1146	1	----	----	----	0.022	0.1	----	----	----	----	----	----	25.0	18.9
12	2.0	1150	1	----	----	----	0.021	0.0	----	----	----	----	----	----	25.9	18.8
12	5.0	1155	1	----	----	----	0.022	0.1	----	----	----	----	----	----	26.5	18.7
13	1.0	1229	1	----	----	----	0.028	1.1	----	----	----	----	----	----	27.4	18.5
14	1.0	1245	1	0.7	0.6	0.55	0.029	1.2	----	----	----	----	----	----	28.0	18.3
15	0.0	13	-1	----	----	----	0.046	4.1	----	----	----	----	----	----	27.7	18.8
15	2.0	13	-1	2.7	1.3	0.68	0.038	2.8	----	----	----	----	----	----	28.2	18.3
15	5.0	13	-1	----	----	----	0.034	2.1	----	----	----	----	----	----	28.8	18.1
15	10.0	1315	-1	----	----	----	0.032	1.8	----	----	----	----	----	----	30.0	17.6
15	18.0	13	-1	----	----	----	0.035	2.3	----	----	----	----	----	----	30.4	17.5
16	1.0	1348	-1	----	----	----	0.090	11.5	----	----	----	----	----	----	29.5	18.5
17	0.0	1402	-1	----	----	----	0.120	16.5	----	----	----	----	----	----	30.2	17.7
17	2.0	1405	-1	10.6	1.5	0.88	0.089	11.3	79	7	13	6	----	----	30.7	17.9
17	5.0	1411	-1	----	----	----	0.068	7.7	----	----	----	----	----	----	31.2	17.4
17	10.0	1415	-1	----	----	----	0.042	3.4	----	----	----	----	----	----	31.4	17.0
17	17.0	1418	-1	----	----	----	0.041	3.4	----	----	----	----	----	----	31.4	16.9
18	1.0	1439	-1	----	----	----	0.041	3.4	----	----	----	----	----	----	30.6	17.5

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.99	-3.52	166.29	0.62
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South SF Bay
Date: October 16,1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
20	1.0	1452	-1	----	----	----	0.041	----	----	----	----	----	----	----	31.0	17.7
21	1.0	1510	-1	----	----	----	0.126	----	----	----	----	----	----	----	31.1	18.4
22	1.0	1521	-1	----	----	----	0.102	----	----	----	----	----	----	----	31.1	18.6
23	1.0	1535	-1	----	----	----	0.119	----	----	----	----	----	----	----	31.5	20.0
24	1.0	1547	-1	----	----	----	0.111	----	----	----	----	----	----	----	31.5	20.1
25	1.0	1558	-1	----	----	----	0.116	----	----	----	----	----	----	----	31.4	20.1
26	1.0	1610	-1	----	----	----	0.113	----	----	----	----	----	----	----	31.4	20.1
27	1.0	1619	-1	----	----	----	0.088	----	----	----	----	----	----	----	31.1	20.1
28	1.0	1629	-1	----	----	----	0.099	----	----	----	----	----	----	----	31.0	20.3
29	1.0	1637	-1	----	----	----	0.115	----	----	----	----	----	----	----	30.8	20.5
30	1.0	17	-1	----	----	----	0.144	----	----	----	----	----	----	----	30.1	20.9

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South SF Bay
Date: November 13, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	914	-1	----	----	----	0.036	1.5	----	----	----	----	----	----	28.0	15.3
36	2.0	916	-1	1.3	0.8	0.61	0.032	1.3	----	----	----	----	----	----	28.7	15.5
36	5.0	923	-1	----	----	----	0.031	1.3	----	----	----	----	----	----	28.9	15.5
35	1.0	933	-1	----	----	----	0.037	1.5	----	----	----	----	----	----	29.0	15.6
34	1.0	939	-1	----	----	----	0.034	1.4	----	----	----	----	----	----	29.6	15.8
33	1.0	952	-1	----	----	----	0.034	1.4	----	----	----	----	----	----	29.9	15.7
32	0.0	1002	-1	----	----	----	0.032	1.3	----	----	----	----	----	----	30.1	15.7
32	2.0	1007	-1	0.9	1.1	0.46	0.028	1.2	----	----	----	----	----	----	29.9	15.7
32	5.0	1013	-1	----	----	----	0.027	1.1	----	----	----	----	----	----	30.0	15.7
31	1.0	1040	-1	----	----	----	0.032	1.3	----	----	----	----	----	----	30.1	15.9
30	0.0	1058	-1	----	----	----	0.024	1.0	----	----	----	----	----	----	30.6	15.9
30	2.0	1103	-1	1.1	0.5	0.68	0.027	1.1	----	----	----	----	----	----	30.4	15.8
30	5.0	1105	-1	----	----	----	0.027	1.1	----	----	----	----	----	----	30.5	15.8
30	10.0	1107	-1	----	----	----	0.024	1.0	----	----	----	----	----	----	30.6	15.8
29	1.0	1128	-1	----	----	----	0.028	1.2	----	----	----	----	----	----	30.6	16.0
28	1.0	1139	-1	----	----	----	0.033	1.3	----	----	----	----	----	----	30.9	16.0
27	0.0	1154	-1	----	----	----	0.027	1.1	----	----	----	----	----	----	31.0	16.0
27	2.0	1158	-1	0.9	1.8	0.32	0.027	1.1	----	----	----	----	----	----	31.0	16.0
27	5.0	1202	-1	----	----	----	0.026	1.1	----	----	----	----	----	----	31.0	15.9
26	1.0	1216	-1	----	----	----	0.030	1.2	----	----	----	----	----	----	30.9	16.1
25	1.0	1227	-1	----	----	----	0.028	1.2	----	----	----	----	----	----	30.7	16.0
24	0.0	1242	-1	----	----	----	0.026	1.1	----	----	----	----	----	----	30.3	15.8
24	2.0	1247	-1	1.5	0.7	0.68	0.027	1.1	----	----	----	----	----	----	30.3	15.8
24	5.0	1252	-1	----	----	----	0.027	1.1	----	----	----	----	----	----	30.3	15.8
23	1.0	1308	-1	----	----	----	0.028	1.2	----	----	----	----	----	----	29.8	15.8
22	1.0	1320	-1	----	----	----	0.028	1.2	----	----	----	----	----	----	29.5	15.6
21	0.0	1341	-1	----	----	----	0.033	1.3	----	----	----	----	----	----	29.5	15.4
21	2.0	1344	-1	1.5	0.8	0.66	0.032	1.3	----	----	----	----	----	----	29.5	15.3
21	5.0	1349	-1	----	----	----	0.031	1.3	----	----	----	----	----	----	29.6	15.3
21	10.0	1353	-1	----	----	----	0.032	1.3	----	----	----	----	----	----	29.6	19.3
21	15.0	1357	-1	----	----	----	0.034	1.4	----	----	----	----	----	----	29.6	15.3
20	1.0	1414	0	----	----	----	0.036	1.4	----	----	----	----	----	----	29.5	15.3
19	2.0	1458	0	1.6	0.6	0.71	0.041	1.6	----	----	----	----	----	----	30.8	14.5
19	10.0	1452	0	----	----	----	0.041	1.7	----	----	----	----	----	----	30.8	14.4
19	22.0	1445	0	----	----	----	0.042	1.7	----	----	----	----	----	----	30.9	14.4

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	7	0.44	0.06	39.08	0.24
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: November 13, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
17	1.0	1528	1	----	----	----	0.035	----	----	----	----	----	----	----	27.0	19.1
16	1.0	1544	1	----	----	----	0.029	----	----	----	----	----	----	----	23.9	15.5
15	1.0	1607	1	----	----	----	0.024	----	----	----	----	----	----	----	22.1	15.6
14	1.0	1623	1	----	----	----	0.028	----	----	----	----	----	----	----	22.9	15.6
13	1.0	1637	1	----	----	----	0.024	----	----	----	----	----	----	----	22.1	15.4
12	1.0	1658	1	----	----	----	0.026	----	----	----	----	----	----	----	18.4	15.5
11	1.0	1712	1	----	----	----	0.028	----	----	----	----	----	----	----	17.6	15.6
10	1.0	1732	1	----	----	----	0.037	----	----	----	----	----	----	----	12.7	15.8
9	1.0	1743	1	----	----	----	0.043	----	----	----	----	----	----	----	11.3	15.8
8	1.0	1750	1	----	----	----	0.044	----	----	----	----	----	----	----	10.8	15.8
7	1.0	1809	1	----	----	----	0.046	----	----	----	----	----	----	----	8.4	15.6
6	1.0	1825	1	----	----	----	0.057	----	----	----	----	----	----	----	5.4	15.8
5	1.0	1841	1	----	----	----	0.060	----	----	----	----	----	----	----	2.8	15.9
4	1.0	1858	1	----	----	----	0.061	----	----	----	----	----	----	----	1.4	15.9

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: November 15, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
3	0.0	744	1	----	----	----	0.051	3.5	----	----	----	----	----	----	1.0	15.8
3	2.0	751	1	4.9	4.8	0.50	0.050	3.3	----	----	----	----	----	----	1.0	16.5
3	5.0	756	1	----	----	----	0.051	3.4	----	----	----	----	----	----	1.0	15.5
3	9.0	800	1	----	----	----	0.056	4.0	----	----	----	----	----	----	1.3	15.6
4	1.0	852	1	----	----	----	0.059	4.4	----	----	----	----	----	----	2.1	15.6
5	1.0	907	1	----	----	----	0.052	3.5	----	----	----	----	----	----	4.0	15.6
6	0.0	935	1	----	----	----	0.041	2.4	----	----	----	----	----	----	9.1	15.2
6	2.0	939	1	1.9	3.6	0.34	0.039	2.1	----	----	----	----	----	----	9.7	15.2
6	5.0	943	1	----	----	----	0.042	2.4	----	----	----	----	----	----	11.3	15.2
6	8.0	947	1	----	----	----	0.043	2.5	----	----	----	----	----	----	11.5	15.2
7	1.0	1015	1	----	----	----	0.031	1.2	----	----	----	----	----	----	15.5	15.2
8	1.0	1030	1	----	----	----	0.029	1.0	----	----	----	----	----	----	17.8	15.2
9	0.0	1054	1	----	----	----	0.034	1.6	----	----	----	----	----	----	19.2	15.0
9	2.0	1058	1	1.5	1.0	0.59	0.029	0.9	----	----	----	----	----	----	20.1	15.0
9	5.0	1103	1	----	----	----	0.025	0.6	----	----	----	----	----	----	20.9	15.0
9	7.5	1116	1	----	----	----	0.024	0.5	----	----	----	----	----	----	21.0	15.0
10	1.0	1130	1	----	----	----	0.028	0.9	----	----	----	----	----	----	21.6	15.1
11	1.0	1149	1	----	----	----	0.032	1.4	----	----	----	----	----	----	21.7	15.0
12	0.0	1209	0	----	----	----	0.028	0.9	----	----	----	----	----	----	21.0	15.0
12	2.0	1215	0	0.9	0.5	0.65	0.025	0.6	----	----	----	----	----	----	25.5	15.0
12	5.0	1222	0	----	----	----	0.026	0.7	----	----	----	----	----	----	25.8	14.9
12	7.3	1228	0	----	----	----	0.028	0.9	----	----	----	----	----	----	25.8	15.0
13	1.0	1250	-1	----	----	----	0.042	2.5	----	----	----	----	----	----	24.7	15.2
14	1.0	1300	-1	----	----	----	0.041	2.3	----	----	----	----	----	----	25.5	15.1
15	0.0	1322	-1	----	----	----	0.039	2.1	----	----	----	----	----	----	24.5	15.2
15	2.0	1327	-1	1.2	0.5	0.71	0.038	2.0	----	----	----	----	----	----	24.5	15.2
15	4.2	1332	-1	----	----	----	0.042	2.5	----	----	----	----	----	----	25.5	15.0
15	6.6	1337	-1	----	----	----	0.042	2.5	----	----	----	----	----	----	25.8	15.0
16	1.0	1359	-1	----	----	----	0.048	3.1	----	----	----	----	----	----	26.8	15.0
17	0.0	1418	-1	----	----	----	0.066	5.1	----	----	----	----	----	----	27.0	15.0
17	2.0	1424	-1	1.5	0.7	0.68	0.045	2.8	----	----	----	----	----	----	27.3	14.8
17	5.0	1429	-1	----	----	----	0.045	2.7	----	----	----	----	----	----	27.5	14.8
17	8.1	1434	-1	----	----	----	0.046	2.8	----	----	----	----	----	----	27.7	14.7

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.51	-2.24	111.46	1.14
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: South SF Bay
Date: December 5, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
36	0.0	845	1	----	----	----	0.049	----	----	----	----	----	----	----	26.6	12.4
36	2.0	849	1	----	----	----	0.049	----	----	----	----	----	----	----	26.9	12.4
36	5.0	853	1	----	----	----	0.053	----	----	----	----	----	----	----	26.9	12.3
35	1.0	905	1	----	----	----	0.046	----	----	----	----	----	----	----	27.2	12.8
34	1.0	911	1	----	----	----	0.043	----	----	----	----	----	----	----	28.3	12.7
33	1.0	926	1	----	----	----	0.041	----	----	----	----	----	----	----	29.3	13.0
32	0.0	937	1	----	----	----	0.040	----	----	----	----	----	----	----	29.5	13.2
32	2.0	941	1	----	----	----	0.039	----	----	----	----	----	----	----	29.6	13.2
32	5.0	945	1	----	----	----	0.040	----	----	----	----	----	----	----	29.7	13.2
32	10.0	948	1	----	----	----	0.044	----	----	----	----	----	----	----	29.8	13.2
31	1.0	1004	1	----	----	----	0.039	----	----	----	----	----	----	----	29.8	13.1
30	0.0	1025	1	----	----	----	0.029	----	----	----	----	----	----	----	30.3	13.3
30	2.0	1028	1	----	----	----	0.029	----	----	----	----	----	----	----	30.3	13.3
30	5.0	1031	1	----	----	----	0.030	----	----	----	----	----	----	----	30.3	13.3
30	10.0	1034	1	----	----	----	0.030	----	----	----	----	----	----	----	30.4	13.3
29	1.0	1057	1	----	----	----	0.029	----	----	----	----	----	----	----	30.4	13.1
28	1.0	1110	1	----	----	----	0.032	----	----	----	----	----	----	----	30.3	13.1
27	0.0	1127	1	----	----	----	0.033	----	----	----	----	----	----	----	30.2	13.2
27	2.0	1131	1	----	----	----	0.033	----	----	----	----	----	----	----	30.2	13.1
27	5.0	1135	1	----	----	----	0.033	----	----	----	----	----	----	----	30.3	13.1
27	10.0	1138	1	----	----	----	0.034	----	----	----	----	----	----	----	30.3	13.1
26	1.0	1153	1	----	----	----	0.034	----	----	----	----	----	----	----	29.9	13.1
25	1.0	1206	1	----	----	----	0.030	----	----	----	----	----	----	----	29.2	13.2
24	0.0	1222	0	----	----	----	0.028	----	----	----	----	----	----	----	29.3	13.2
24	2.0	1225	0	----	----	----	0.027	----	----	----	----	----	----	----	29.3	13.2
24	5.0	1228	0	----	----	----	0.028	----	----	----	----	----	----	----	24.3	13.2
23	1.0	1244	0	----	----	----	0.033	----	----	----	----	----	----	----	29.8	13.1
22	1.0	1256	0	----	----	----	0.037	----	----	----	----	----	----	----	29.6	13.1
21	0.0	1310	-1	----	----	----	0.035	----	----	----	----	----	----	----	29.4	13.1
21	2.0	1313	-1	----	----	----	0.035	----	----	----	----	----	----	----	29.5	12.9
21	5.0	1315	-1	----	----	----	0.036	----	----	----	----	----	----	----	30.1	12.9
21	10.0	1317	-1	----	----	----	0.036	----	----	----	----	----	----	----	30.7	12.9
21	19.0	1320	-1	----	----	----	0.045	----	----	----	----	----	----	----	31.0	12.9
20	1.0	1339	-1	----	----	----	0.042	----	----	----	----	----	----	----	30.1	13.0
19	0.0	1410	-1	----	----	----	0.044	----	----	----	----	----	----	----	31.1	13.0
19	2.0	1408	-1	----	----	----	0.047	----	----	----	----	----	----	----	31.1	13.0
19	5.0	1406	-1	----	----	----	0.048	----	----	----	----	----	----	----	31.0	12.9
19	10.0	1404	-1	----	----	----	0.046	----	----	----	----	----	----	----	31.2	12.9
19	21.0	1401	-1	----	----	----	0.047	----	----	----	----	----	----	----	31.6	12.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: December 5, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAED	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
18	1.0	1440	-1	----	----	----	0.050	----	----	----	----	----	----	----	30.4	13.0
15	1.0	1542		----	----	----	0.047	----	----	----	----	----	----	----	23.0	12.7
14	1.0	1602	-1	----	----	----	0.051	----	----	----	----	----	----	----	24.2	13.1
13	1.0	1617	-1	----	----	----	0.050	----	----	----	----	----	----	----	23.5	13.2
12	1.0	1639	-1	----	----	----	0.044	----	----	----	----	----	----	----	22.3	12.7
11	1.0	1656	-1	----	----	----	0.048	----	----	----	----	----	----	----	18.6	12.8
10	1.0	1716	-1	----	----	----	0.049	----	----	----	----	----	----	----	16.7	12.7
9	1.0	1728	-1	----	----	----	0.048	----	----	----	----	----	----	----	16.9	12.6
8	1.0	1737	-1	----	----	----	0.047	----	----	----	----	----	----	----	15.8	12.6
7	1.0	1812	-1	----	----	----	0.052	----	----	----	----	----	----	----	11.1	12.5
5	1.0	1858	-1	----	----	----	0.062	----	----	----	----	----	----	----	3.2	12.2
4	1.0	1913	-1	----	----	----	0.059	----	----	----	----	----	----	----	2.0	12.4

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	0	0.00	0.00	0.00	0.00
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00

Location: North SF Bay
Date: December 7, 1979

STATN NUMBR	DEPTH	TIME	TIDE	DISCR CHL a	DISCR PHAEO	CHLa/ a+PHA	ONLIN FLUOR	CALC CHL a	PRCNT NETPL	PRCNT NANO	PRCNT ULTRA	PRCNT BLANK	MEAS EXCOF	CALC EXCOF	SALIN	TEMP
4	2.0	0	-1	1.4	4.7	0.23	0.063	1.6	----	----	----	----	----	----	1.7	12.0
5	1.0	919	-1	----	----	----	0.067	1.7	----	----	----	----	----	----	2.3	11.9
6	0.0	945	-1	----	----	----	0.064	1.6	----	----	----	----	----	----	4.5	11.9
6	2.0	951	-1	1.7	2.8	0.38	0.063	1.6	----	----	----	----	----	----	5.4	12.1
6	5.0	1010	-1	----	----	----	0.056	1.4	----	----	----	----	----	----	8.8	12.3
7	1.0	1114	-1	----	----	----	0.066	1.6	----	----	----	----	----	----	7.3	12.3
8	1.0	1127	-1	----	----	----	0.061	1.5	----	----	----	----	----	----	8.4	12.2
9	0.0	1150	0	----	----	----	0.061	1.5	----	----	----	----	----	----	10.5	12.4
9	2.0	1153	0	1.5	1.4	0.52	0.056	1.4	----	----	----	----	----	----	10.7	12.2
9	5.0	1156	0	----	----	----	0.051	1.3	----	----	----	----	----	----	12.5	12.3
10	1.0	1210	0	----	----	----	0.054	1.4	----	----	----	----	----	----	13.3	12.4
11	1.0	1222	0	----	----	----	0.050	1.3	----	----	----	----	----	----	15.7	12.5
12	0.0	1241	1	----	----	----	0.048	1.2	----	----	----	----	----	----	18.0	12.7
12	2.0	1244	1	1.1	0.5	0.67	0.047	1.2	----	----	----	----	----	----	18.6	12.6
12	5.0	1247	1	----	----	----	0.043	1.1	----	----	----	----	----	----	20.8	12.6
13	1.0	1312	1	----	----	----	0.043	1.1	----	----	----	----	----	----	23.8	12.8
14	1.0	1325	1	----	----	----	0.043	1.1	----	----	----	----	----	----	25.1	12.9
15	0.0	1346	1	----	----	----	0.041	1.1	----	----	----	----	----	----	26.3	12.9
15	2.0	1350	1	1.1	1.0	0.51	0.043	1.1	----	----	----	----	----	----	27.8	12.9
15	5.0	1355	1	----	----	----	0.041	1.1	----	----	----	----	----	----	28.2	12.9
15	10.0	1359	1	----	----	----	0.041	1.1	----	----	----	----	----	----	28.3	12.9
15	15.0	1403	1	----	----	----	0.038	1.0	----	----	----	----	----	----	28.6	13.0
17	0.0	1445	1	----	----	----	0.034	0.9	----	----	----	----	----	----	24.3	12.9
17	2.0	1451	1	1.2	0.5	0.68	0.042	1.1	----	----	----	----	----	----	29.2	12.8
17	5.0	1455	1	----	----	----	0.043	1.1	----	----	----	----	----	----	30.1	12.9
17	10.0	1458	1	----	----	----	0.043	1.1	----	----	----	----	----	----	30.7	12.8
17	15.0	1502	1	----	----	----	0.043	1.1	----	----	----	----	----	----	30.8	12.8

REGRESSION	N	r^2	a	b	Syx
CHL a vs ONLINE FLUORESCENCE	6	0.74	0.12	22.99	0.15
EXT COEFF vs NEPHELOMETER	0	0.00	0.00	0.00	0.00