

PLANKTON STUDIES IN SAN FRANCISCO BAY, VIII.

CHLOROPHYLL DISTRIBUTIONS AND HYDROGRAPHIC PROPERTIES

OF SOUTH SAN FRANCISCO BAY, 1983

Andrea E. Alpine, Sally M. Wienke, James E. Cloern, Brian E. Cole,
and Raymond L.J. Wong.

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ABSTRACT

This report summarizes the distribution of phytoplankton biomass and selected hydrographic properties measured in South San Francisco Bay during 1983. There were a total of 45 cruises over the year with the most frequent sampling occurring during the spring. Parameters measured were: chlorophyll a, phaeopigments, in-vivo fluorescence, turbidity, salinity, and temperature.

INTRODUCTION

Data are presented to summarize results of surveys of water quality in South San Francisco Bay (SSFB) during 1983. Measurements of salinity, temperature, turbidity (nephelometry), and in-vivo fluorescence were made in near-surface waters of the main shipping channel of the South San Francisco Bay. At some stations, these same parameters were measured at 3-6 depths of the water column. Chlorophyll a, phaeopigments, and light attenuation (measured with a Secchi disk) were also measured at these stations. Discrete measurements of salinity were made at some locations to calibrate the continuous flow system. Locations of sampling stations are given in Table 1. system.

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 digits significant to SSFB). Station positions were determined (± 0.2 km) using radar.

The stations (Table 1) were sampled from the R/V POLARIS using one of two sampling modes, surface (i.e., longitudinal) profiling and 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 specific depths.

The pumped sample was directed through various instruments (see below) for continuous analyses: salinity, temperature, in-vivo fluorescence and turbidity (nephelometry). At selected 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 and phaeopigments. Light attenuation was determined while at anchor.

The following descriptions of the separate analyses are divided into two sections: continuous analyses and discrete analyses.

Continuous Analyses.

Salinity was measured continuously with a flow-sample electrodeless induction salinometer (Schemel and Dedini, 1979). For calibration, 3 to 14 discrete samples (DISCR SALIN) 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 reported salinities (SALIN) are calculated from linear regression of the discrete samples against the "continuous" readings.

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 $\pm 0.2^{\circ}$ C.

In-vivo fluorescence (FLUOR) was measured continuously using a Turner Designs^R Model 10 fluorometer. Linear regressions of measured chlorophyll a (DISCR CHL A) against in-vivo fluorescence were used to determine a calculated chlorophyll a (CALC CHL a) for each fluorescence

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

reading (CALC CHL $a = a_1 + b_1 \cdot \text{fluorescence}$). Stations 21, 24, 27, 30 and 32 (surface and bottom samples) were used in the regression analyses and correlations were made only when there were 3 or more discrete chlorophyll a samples. Samples taken from station 36 are not used in the regressions because this area often has very high levels of phaeopigments and it can have species in its phytoplankton population that do not occur in the rest of SSFB. 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 values when the coefficient of determination (r^2) is less than 0.70. Also note that these regressions often produce negative intercepts (i.e., there is fluorescence in the water not associated with particulate chlorophyll a). Thus at low chlorophyll a levels the regression (which is not perfect) can predict negative chlorophyll a values.

A Secchi disk was used to measure the attenuation of light. The extinction coefficient (EXCOF) was calculated from the equation $\epsilon = 0.4 + 109/SD$ (where SD is the Secchi depth in centimeters). This equation was derived from studies in 1980 (unpublished data) when Secchi depth and light extinction (measured with a quantum sensor) were simultaneously measured.

Turbidity was continuously measured made using a Turner Designs^R Model 10 fluorometer equipped with a 10-033 nephelometry attachment (Schemel and Dedini, 1979). Regressions of extinction coefficient against nephelometer value for each sampling station were used to calculate extinction coefficients (CALC EXCOF) from continuous

nephelometer output ($CALC\ EXCOF = a_2 + b_2 * \text{nephelometer value}$). Again, caution should be exercised when using calculated values where the coefficient of determination is less than 0.70.

Discrete Analyses

Samples for chlorophyll a (DISCR CHL a) and phaeopigments (DISCR PHAEO) were collected from the pumped sample stream as it exited from the fluorometer. The sample was filtered at less than 10 psi through a Gelman^R glass fiber filter. The filter was then ground in 90 percent acetone with a teflon tissue grinder. After extraction for 12-24 hours in a refrigerator, samples were centrifuged and absorbances read on a Varian^R 635D spectrophotometer. Samples were acidified (Riemann, 1979) to measure phaeopigments. Chlorophyll a and phaeopigment values were calculated using Lorenzen's (1967) equations.

Chlorophyll a concentration divided by chlorophyll a concentration plus phaeopigment concentrations ($CHL\ a/a + PHA$) is an estimate of the proportion of chlorophyll a to chlorophyll a plus its degradation products.

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.

REFERENCES

- Lorenzen, C.J., 1967, Determination of chlorophyll and phaeopigments. Spectrophotometric equations: *Limnology and Oceanography*, v. 12, p. 343-346.
- Riemann, B., 1978, Carotenoid interference in spectrophotometric determination of chlorophyll degradation products from natural populations of phytoplankton: *Limnology and Oceanography*, v. 23(5), p. 1059-1066.
- Schemel, L.E., and Dedini, L.A., 1979, A continuous water sampling and multiparameter measurement system for estuaries: U.S. Geological Survey Open-File Report 79-273, 49 p.

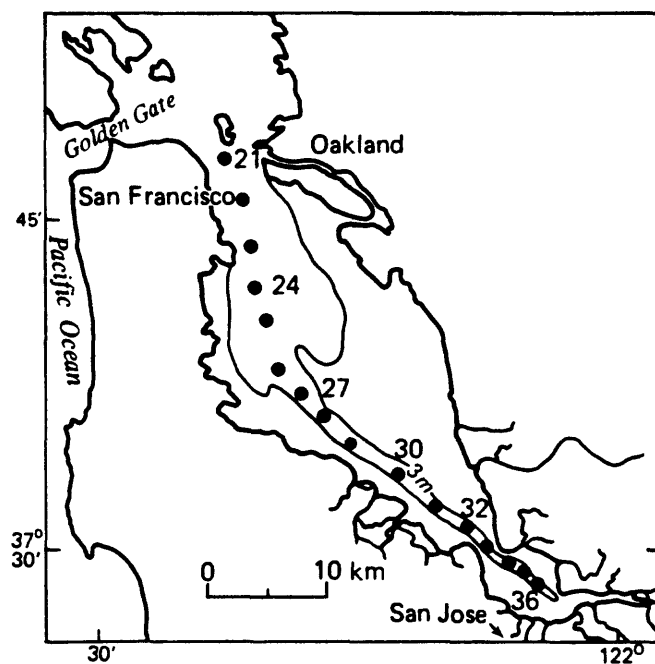


Fig. 1. Map of South San Francisco Bay showing location of sampling locations. Vertical profiles were taken at the numbered stations.

TABLE 1. SOUTH SAN FRANCISCO BAY CHANNEL STATIONS

| <u>Station Number</u> | <u>UTM N.</u> | <u>Location E.</u> | <u>Name</u> | <u>N. Latitude</u> | <u>W. Longitude</u> |
|---------------------------|-------------------|------------------------|-----------------------|--------------------|---------------------|
| 20 | 185.4 | 552.4 | Blossom Rock | 37° 49.0' | 122° 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' |

Appendix A: Data Summaries

TABLE 2. TABLE OF UNITS

| Variable (abbreviation) | Units |
|---|--------------------|
| station (STATN NUMBR) | |
| time (TIME) | local PST or PDT |
| depth at which sample was taken (DEPTH) | meters |
| measured chlorophyll <u>a</u> (DISCR CHL a) | µg/L |
| measured phaeopigments (DISCR PHAEO) | µg/L |
| <u>in-vivo</u> fluorescence (FLUOR) | relative units |
| calculated chlorophyll <u>a</u> (CALC CHL A) | µg/L |
| measured extinction coefficient (EXCOF) | per meter |
| calculated extinction coefficient (CALC EXCOF) | per meter |
| salinity (SALIN) | parts per thousand |
| temperature (TEMP) | degrees Celsius |

LOCATION: South Bay Channel
 DATE: 20 January 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 36.0 | 1.0 | 937 | -1 | 3.4 | 1.9 | 0.63 | 0.222 | — | 2.58 | 2.58 | 13.72 | 13.64 | 9.40 |
| 35.0 | 1.0 | 947 | -1 | — | — | — | 0.193 | — | — | 2.76 | — | 14.46 | 9.50 |
| 34.0 | 1.0 | 950 | -1 | — | — | — | 0.190 | — | — | 2.76 | — | 14.93 | 9.40 |
| 33.0 | 1.0 | 1001 | -1 | — | — | — | 0.158 | — | — | 2.88 | — | 16.15 | 9.50 |
| 32.0 | 1.0 | 1007 | -1 | — | — | — | 0.161 | — | — | 3.11 | — | 16.74 | 9.50 |
| 31.0 | 1.0 | 1015 | -1 | — | — | — | 0.146 | — | — | 3.23 | — | 17.75 | 9.70 |
| 30.0 | 1.0 | 1026 | -1 | — | — | — | 0.146 | — | — | 3.05 | — | 18.05 | 9.70 |
| 29.0 | 1.0 | 1045 | -1 | — | — | — | 0.149 | — | — | 3.05 | — | 19.48 | 9.70 |
| 28.0 | 1.0 | 1055 | -1 | — | — | — | 0.127 | — | — | 3.12 | — | 20.33 | 9.90 |
| 27.0 | 0.0 | 1132 | -1 | — | — | — | 0.085 | — | — | 1.30 | — | 20.24 | — |
| 27.0 | 1.0 | 1135 | -1 | 1.2 | 1.1 | 0.53 | 0.082 | — | 1.39 | 1.42 | 20.05 | 20.31 | 9.80 |
| 27.0 | 2.0 | 1129 | -1 | — | — | — | 0.070 | — | — | 1.29 | — | 20.88 | — |
| 27.0 | 5.0 | 1124 | -1 | — | — | — | 0.060 | — | — | 1.27 | — | 21.68 | — |
| 27.0 | 10.0 | 1119 | -1 | — | — | — | 0.061 | — | — | 1.28 | — | 22.64 | — |
| 26.0 | 1.0 | 1150 | -1 | — | — | — | 0.101 | — | — | 1.43 | — | 20.81 | 10.00 |
| 25.0 | 1.0 | 1202 | -1 | — | — | — | 0.114 | — | — | 1.32 | — | 20.82 | 9.80 |
| 24.0 | 1.0 | 1215 | -1 | — | — | — | 0.076 | — | — | 1.30 | — | 22.31 | 10.20 |
| 23.0 | 1.0 | 1225 | -1 | — | — | — | 0.070 | — | — | 1.30 | — | 22.88 | 10.30 |
| 21.0 | 1.0 | 1255 | 0 | 2.0 | 1.2 | 0.62 | 0.082 | — | — | 1.36 | 23.08 | 22.88 | 10.20 |
| 22.0 | 1.0 | 1305 | 1 | — | — | — | 0.117 | — | 1.39 | 1.36 | — | 22.44 | 10.20 |
| 23.0 | 1.0 | 1318 | 1 | — | — | — | 0.076 | — | — | 1.30 | — | 22.24 | 10.50 |
| 24.0 | 1.0 | 1327 | 1 | — | — | — | 0.066 | — | — | 1.37 | — | 22.59 | 10.40 |
| 25.0 | 1.0 | 1337 | 1 | — | — | — | 0.089 | — | — | 1.38 | — | 21.73 | 10.20 |
| 26.0 | 1.0 | 1351 | 1 | — | — | — | 0.098 | — | — | 1.38 | — | 21.23 | 10.20 |
| 27.0 | 1.0 | 1405 | 1 | — | — | — | 0.098 | — | — | 1.42 | — | 19.87 | 9.80 |
| 28.0 | 1.0 | 1410 | 1 | — | — | — | 0.095 | — | — | 1.33 | — | 20.02 | 9.90 |
| 29.0 | 1.0 | 1418 | 1 | — | — | — | 0.092 | — | — | 1.43 | — | 19.60 | 9.90 |
| 30.0 | 1.0 | 1435 | 1 | — | — | — | 0.085 | — | — | 1.34 | — | 18.60 | 9.80 |

| REGRESSION | N | R ² | A | B | Syx |
|----------------------------|---|----------------|--------|-------|-------|
| CHL A vs FLUORESCENCE | 2 | 0.00 | 0.000 | 0.000 | 0.000 |
| EXCOF vs NEPHELOMETRY | 3 | 1.00 | 1.139 | 0.734 | 0.047 |
| SALINITY vs DISCR SALINITY | 3 | 1.00 | -0.847 | 1.048 | 0.339 |

LOCATION: SOUTH BAY CHANNEL

DATE: 27 JANUARY 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 36.0 | 1.0 | 940 | 1 | 1.3 | 1.8 | 0.42 | 0.114 | — | 3.51 | 3.51 | 15.51 | 15.53 | 11.20 |
| 35.0 | 1.0 | 950 | 1 | — | — | — | 0.120 | — | — | 3.67 | — | 18.54 | 11.00 |
| 34.0 | 1.0 | 957 | 1 | — | — | — | 0.101 | — | — | 3.67 | — | 20.21 | 10.90 |
| 33.0 | 1.0 | 1010 | 1 | — | — | — | 0.092 | — | — | 2.34 | — | 17.22 | 11.00 |
| 32.0 | 1.0 | 1016 | 1 | — | — | — | 0.089 | — | — | 2.07 | 18.88 | 18.88 | 10.90 |
| 31.0 | 1.0 | 1024 | 1 | — | — | — | 0.089 | — | — | 2.42 | — | 20.48 | 10.90 |
| 30.0 | 1.0 | 1038 | 1 | — | — | — | 0.092 | — | — | 1.78 | — | 21.35 | 11.00 |
| 29.0 | 1.0 | 1057 | 0 | — | — | — | 0.092 | — | — | 1.73 | — | 20.94 | 11.10 |
| 28.0 | 1.0 | 1109 | 0 | — | — | — | 0.085 | — | — | 1.75 | — | 21.33 | 11.00 |
| 27.0 | 0.0 | 1148 | -1 | — | — | — | 0.082 | — | 1.76 | 1.70 | — | 20.96 | — |
| 27.0 | 1.0 | 1116 | -1 | 1.5 | 1.2 | 0.56 | 0.085 | — | — | 1.70 | 21.04 | 21.05 | 11.00 |
| 27.0 | 2.0 | 1142 | -1 | — | — | — | 0.079 | — | — | 1.70 | — | 20.95 | — |
| 27.0 | 5.0 | 1136 | -1 | — | — | — | 0.073 | — | — | 1.92 | — | 22.33 | — |
| 27.0 | 10.0 | 1128 | -1 | — | — | — | 0.073 | — | — | 2.05 | 22.54 | 22.35 | — |
| 26.0 | 1.0 | 1203 | -1 | — | — | — | 0.085 | — | — | 1.88 | — | 21.74 | 11.10 |
| 24.0 | 1.0 | 1215 | -1 | — | — | — | 0.089 | — | — | 1.85 | — | 22.52 | 11.20 |
| 24.0 | 1.0 | 1226 | -1 | — | — | — | 0.089 | — | — | 1.73 | — | 22.58 | 11.30 |
| 23.0 | 1.0 | 1235 | -1 | — | — | — | 0.101 | — | — | — | — | 22.25 | 11.40 |
| 22.0 | 1.0 | 1244 | -1 | — | — | — | 0.076 | — | — | 2.15 | — | 23.03 | 11.40 |
| 21.0 | 1.0 | 1254 | -1 | 1.6 | 1.3 | 0.55 | 0.070 | — | 1.76 | 1.83 | 22.86 | 23.02 | 11.50 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|-------|-------|
| CHL A vs FLUORESCENCE | 2 | 0.00 | 0.000 | 0.000 | 0.000 |
| EXCOF vs NEPHELOMETRY | 3 | 1.00 | 1.012 | 2.466 | 0.087 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | -0.018 | 1.003 | 0.145 |

LOCATION: South Bay Channel

DATE: 3 February 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 36.0 | 1.0 | 839 | -1 | 1.1 | 1.9 | 0.36 | 0.113 | — | 4.03 | 4.04 | 13.26 | 13.23 | 10.90 |
| 35.0 | 1.0 | 849 | -1 | — | — | — | 0.101 | — | — | 2.03 | — | 13.07 | 10.60 |
| 34.0 | 1.0 | 854 | -1 | — | — | — | 0.101 | — | — | 2.21 | — | 13.91 | 10.80 |
| 33.0 | 1.0 | 905 | -1 | — | — | — | 0.099 | — | — | 1.97 | — | 13.50 | 10.60 |
| 32.0 | 1.0 | 910 | -1 | — | — | — | 0.101 | — | — | 2.06 | — | 14.01 | 10.80 |
| 31.0 | 1.0 | 917 | -1 | — | — | — | 0.093 | — | — | 2.03 | — | 15.26 | 10.90 |
| 30.0 | 1.0 | 927 | -1 | — | — | — | 0.091 | — | — | 1.87 | — | 16.60 | 11.10 |
| 29.0 | 1.0 | 943 | -1 | — | — | — | 0.093 | — | — | 1.57 | — | 16.58 | 10.90 |
| 28.0 | 1.0 | 953 | -1 | — | — | — | 0.085 | — | — | 1.47 | — | 15.80 | 10.90 |
| 27.0 | 0.0 | 1031 | -1 | — | — | — | 0.086 | — | 1.35 | 1.42 | — | 15.31 | 11.00 |
| 27.0 | 2.0 | 1025 | -1 | 1.4 | 0.6 | 0.69 | 0.082 | — | — | 1.45 | 15.23 | 15.24 | — |
| 27.0 | 5.0 | 1020 | -1 | — | — | — | 0.077 | — | — | 1.74 | — | 17.25 | — |
| 27.0 | 10.0 | 1012 | -1 | — | — | — | 0.079 | — | — | 1.91 | — | 17.36 | — |
| 26.0 | 1.0 | 1044 | -1 | — | — | — | 0.078 | — | — | 1.41 | — | 15.38 | 11.20 |
| 25.0 | 1.0 | 1058 | -1 | — | — | — | 0.087 | — | — | 1.48 | — | 13.12 | 10.80 |
| 24.0 | 1.0 | 1111 | -1 | — | — | — | 0.077 | — | — | 1.64 | — | 11.93 | 10.70 |
| 23.0 | 1.0 | 1121 | -1 | — | — | — | 0.078 | — | — | 1.81 | — | 11.93 | 10.80 |
| 22.0 | 1.0 | 1134 | 1 | — | — | — | 0.075 | — | — | 1.76 | — | 13.33 | 11.00 |
| 21.0 | 1.0 | 1146 | 1 | 0.6 | 0.5 | 0.55 | 0.077 | — | 1.76 | 1.68 | 12.19 | 12.21 | 11.10 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|-------|-------|
| CHL A vs FLUORESCENCE | 2 | 0.00 | 0.000 | 0.000 | 0.000 |
| EXCOF vs NEPHELOMETRY | 3 | 1.00 | 0.962 | 2.659 | 0.115 |
| SALINITY vs DISCR SALINITY | 3 | 1.00 | -0.596 | 1.051 | 0.039 |

LOCATION: SOUTH BAY CHANNEL
 DATE: 9 FEBRUARY 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 1.0 | 800 | -1 | 1.5 | 0.9 | 0.64 | 0.146 | 1.5 | 1.61 | 2.14 | — | 14.19 | 11.50 |
| 31.0 | 1.0 | 815 | -1 | — | — | — | 0.136 | 1.4 | — | 1.24 | — | 14.89 | 11.50 |
| 30.0 | 1.0 | 829 | -1 | — | — | — | 0.133 | 1.3 | — | 1.02 | — | 15.28 | 11.50 |
| 29.0 | 1.0 | 850 | -1 | — | — | — | 0.136 | 1.4 | — | 0.94 | — | 14.46 | 11.50 |
| 28.0 | 1.0 | 902 | -1 | — | — | — | 0.114 | 1.1 | — | 1.04 | — | 15.14 | 11.40 |
| 27.0 | 1.0 | 910 | -1 | 1.2 | 0.6 | 0.67 | 0.104 | 0.9 | 1.49 | 1.26 | — | 14.00 | 11.40 |
| 26.0 | 1.0 | 922 | -1 | — | — | — | 0.120 | 1.1 | — | 1.29 | — | 14.40 | 11.50 |
| 25.0 | 1.0 | 934 | -1 | — | — | — | 0.108 | 1.0 | — | 1.51 | — | 13.63 | 11.60 |
| 24.0 | 1.0 | 946 | -1 | — | — | — | 0.114 | 1.1 | — | 1.47 | — | 14.40 | 11.60 |
| 23.0 | 1.0 | 957 | -1 | — | — | — | 0.095 | 0.8 | — | 1.58 | — | 15.10 | 11.70 |
| 22.0 | 1.0 | 1011 | -1 | — | — | — | 0.095 | 0.8 | — | 1.81 | — | 14.90 | 11.70 |
| 21.0 | 1.0 | 1020 | -1 | 0.7 | 0.5 | 0.57 | 0.108 | 1.0 | 3.13 | 2.82 | — | 12.56 | 11.60 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 3 | 0.59 | -0.552 | 14.142 | 0.381 |
| EXCOF vs NEPHELOMETRY | 3 | 0.74 | -1.243 | 11.292 | 0.656 |
| SALINITY vs DISCR SALINITY | 0 | 0.00 | 0.000 | 0.000 | 0.000 |

LOCATION: SOUTH BAY CHANNEL
DATE: 17 FEB 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 36.0 | 1.0 | 858 | -1 | 1.5 | 1.2 | 0.56 | 0.164 | 2.5 | 4.76 | 4.81 | — | 6.63 | 12.60 |
| 35.0 | 1.0 | 905 | -1 | — | — | — | 0.159 | 2.4 | — | 3.75 | — | 8.44 | 12.60 |
| 34.0 | 1.0 | 911 | -1 | — | — | — | 0.162 | 2.5 | — | 3.01 | — | 9.92 | 12.50 |
| 33.0 | 1.0 | 923 | -1 | — | — | — | 0.152 | 2.2 | — | 2.31 | — | 9.86 | 12.60 |
| 32.0 | 1.0 | 928 | -1 | — | — | — | 0.154 | 2.2 | — | 2.16 | — | 10.25 | 12.70 |
| 31.0 | 1.0 | 936 | -1 | — | — | — | 0.145 | 2.0 | — | 2.15 | — | 11.52 | 12.80 |
| 30.0 | 1.0 | 949 | -1 | 2.1 | 0.7 | 0.75 | 0.159 | 2.4 | 1.76 | 1.73 | — | 12.06 | 12.80 |
| 29.0 | 1.0 | 1010 | -1 | — | — | — | 0.187 | 3.1 | — | 1.47 | — | 13.67 | 12.90 |
| 28.0 | 1.0 | 1021 | -1 | — | — | — | 0.161 | 2.4 | — | 1.44 | — | 13.89 | 12.60 |
| 27.0 | 0.0 | 1104 | 0 | — | — | — | 0.167 | 2.6 | — | 1.34 | — | 13.81 | — |
| 27.0 | 1.0 | 1032 | -1 | — | — | — | 0.145 | 2.0 | — | 1.33 | — | 13.82 | 12.80 |
| 27.0 | 2.0 | 1056 | 0 | 2.0 | 0.6 | 0.76 | 0.130 | 1.6 | 1.24 | 1.36 | — | 13.86 | — |
| 27.0 | 5.0 | 1048 | 0 | — | — | — | 0.109 | 1.0 | — | 1.57 | — | 13.94 | — |
| 27.0 | 10.0 | 1042 | 0 | — | — | — | 0.109 | 1.0 | — | 1.56 | — | 13.95 | — |
| 26.0 | 1.0 | 1122 | 0 | — | — | — | 0.147 | 2.0 | — | 1.38 | — | 13.47 | 12.80 |
| 25.0 | 1.0 | 1138 | 0 | — | — | — | 0.112 | 1.1 | — | 1.58 | — | 11.63 | 12.20 |
| 24.0 | 1.0 | 1151 | 1 | — | — | — | 0.093 | 0.6 | — | 1.65 | — | 11.88 | 12.40 |
| 23.0 | 1.0 | 1201 | 1 | — | — | — | 0.097 | 0.7 | — | 1.70 | — | 11.23 | 12.50 |
| 22.0 | 1.0 | 1218 | 1 | — | — | — | 0.100 | 0.8 | — | 2.47 | — | 11.62 | 12.30 |
| 21.0 | 1.0 | 1231 | 1 | 0.6 | 0.7 | 0.46 | 0.102 | 0.8 | 2.58 | 2.44 | — | 10.12 | 12.20 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 3 | 0.80 | -1.990 | 27.390 | 0.549 |
| EXCOF vs NEPHELOMETRY | 4 | 0.99 | 0.804 | 3.809 | 0.135 |
| SALINITY vs DISCR SALINITY | 0 | 0.00 | 0.000 | 0.000 | 0.000 |

LOCATION: South Bay Channel

DATE: 24 February 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 36.0 | 1.0 | 858 | 1 | 2.5 | 2.1 | 0.54 | 0.218 | 3.8 | 3.13 | 2.39 | 9.98 | 9.95 | 13.30 |
| 35.0 | 1.0 | 902 | 1 | — | — | — | 0.199 | 3.3 | — | 2.93 | — | 10.73 | 13.30 |
| 34.0 | 1.0 | 908 | 1 | — | — | — | 0.199 | 3.3 | — | 3.77 | — | 11.10 | 13.20 |
| 33.5 | 1.0 | 912 | 1 | — | — | — | 0.241 | 4.3 | 9.48 | 9.56 | — | 11.02 | 12.90 |
| 33.0 | 1.0 | 923 | 1 | 3.4 | 3.2 | 0.51 | 0.266 | 5.0 | — | 8.59 | — | 9.78 | 12.90 |
| 32.0 | 1.0 | 928 | 1 | — | — | — | 0.180 | 2.8 | — | 1.81 | — | 11.94 | 13.20 |
| 31.0 | 1.0 | 937 | 0 | — | — | — | 0.174 | 2.7 | — | 1.79 | — | 12.03 | 13.10 |
| 30.0 | 1.0 | 952 | 0 | 1.8 | 1.0 | 0.65 | 0.142 | 1.9 | 1.31 | 1.55 | 12.42 | 12.45 | 13.00 |
| 29.0 | 1.0 | 1014 | -1 | — | — | — | 0.142 | 1.9 | — | 1.49 | — | 12.71 | 13.00 |
| 28.0 | 1.0 | 1025 | -1 | — | — | — | 0.123 | 1.4 | — | 1.52 | — | 12.80 | 12.90 |
| 27.0 | 0.0 | 1053 | -1 | — | — | — | 0.133 | 1.7 | — | 1.46 | — | 13.49 | — |
| 27.0 | 1.0 | 1056 | -1 | 1.7 | 0.6 | 0.75 | 0.133 | 1.7 | 1.18 | 1.45 | — | 13.50 | 12.90 |
| 27.0 | 2.0 | 1050 | -1 | — | — | — | 0.136 | 1.7 | — | 1.44 | — | 13.49 | — |
| 27.0 | 5.0 | 1045 | -1 | — | — | — | 0.120 | 1.3 | — | 1.44 | — | 13.52 | — |
| 27.0 | 10.0 | 1041 | -1 | — | — | — | 0.089 | 0.5 | — | 1.59 | 17.32 | 17.30 | — |
| 26.0 | 1.0 | 1108 | -1 | — | — | — | 0.127 | 1.5 | — | 1.46 | — | 13.46 | 12.80 |
| 25.0 | 1.0 | 1121 | -1 | — | — | — | 0.120 | 1.3 | — | 1.51 | — | 14.11 | 12.90 |
| 24.0 | 1.0 | 1132 | -1 | — | — | — | 0.098 | 0.8 | — | 1.45 | — | 14.88 | 13.00 |
| 23.0 | 1.0 | 1141 | -1 | — | — | — | 0.089 | 0.5 | — | 1.49 | — | 15.67 | 13.00 |
| 22.0 | 1.0 | 1152 | -1 | — | — | — | 0.085 | 0.5 | — | 1.53 | — | 16.39 | 13.00 |
| 21.0 | 1.0 | 1202 | -1 | 0.8 | 0.8 | 0.51 | 0.101 | 0.9 | 1.44 | 1.58 | 14.14 | 14.15 | 13.00 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 3 | 0.98 | -1.680 | 25.066 | 0.101 |
| EXCOF vs NEPHELOMETRY | 5 | 0.99 | 1.087 | 2.422 | 0.483 |
| SALINITY vs DISCR SALINITY | 4 | 1.00 | -0.040 | 1.007 | 0.037 |

LOCATION: South Bay Channel
DATE: 7 March 1983

| STATH NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 36.0 | 1.0 | 818 | -1 | 1.5 | 0.8 | 0.67 | 0.191 | — | 1.85 | 1.92 | 9.65 | 9.63 | 12.90 |
| 35.0 | 1.0 | 827 | -1 | — | — | — | 0.177 | — | — | 2.16 | — | 9.75 | 12.90 |
| 34.0 | 1.0 | 832 | -1 | — | — | — | 0.170 | — | — | 2.02 | — | 9.06 | 12.80 |
| 33.0 | 1.0 | 844 | -1 | — | — | — | 0.170 | — | — | 3.24 | — | 8.71 | 13.20 |
| 32.0 | 1.0 | 848 | -1 | — | — | — | 0.121 | — | — | 1.45 | — | 11.37 | 13.20 |
| 30.0 | 1.0 | 928 | -1 | — | — | — | 0.214 | — | — | 1.50 | — | 10.46 | 13.30 |
| 29.0 | 1.0 | 946 | -1 | — | — | — | 0.175 | — | — | 1.14 | — | 8.73 | 13.00 |
| 28.0 | 1.0 | 1008 | -1 | — | — | — | 0.095 | — | — | 1.18 | — | 9.23 | 13.00 |
| 27.0 | 0.0 | 1043 | -1 | — | — | — | 0.102 | — | 1.13 | 1.14 | — | 9.06 | — |
| 27.0 | 2.0 | 1037 | -1 | 0.5 | 0.6 | 0.45 | 0.093 | — | — | 1.18 | — | 9.64 | — |
| 27.0 | 5.0 | 1031 | -1 | — | — | — | 0.087 | — | — | 1.21 | — | 11.29 | — |
| 27.0 | 10.0 | 1025 | -1 | — | — | — | 0.091 | — | — | 1.86 | 13.39 | 13.40 | — |
| 26.0 | 1.0 | 1059 | -1 | — | — | — | 0.093 | — | — | 1.36 | — | 8.58 | 12.80 |
| 25.0 | 1.0 | 1111 | -1 | — | — | — | 0.116 | — | — | 0.95 | — | 6.52 | 12.90 |
| 24.0 | 1.0 | 1131 | -1 | — | — | — | 0.137 | — | — | 1.73 | — | 7.03 | 13.10 |
| 23.0 | 1.0 | 1151 | -1 | — | — | — | 0.111 | — | — | 1.74 | — | 7.60 | 12.80 |
| 22.0 | 1.0 | 1205 | -1 | — | — | — | 0.130 | — | — | 1.81 | — | 7.15 | 12.80 |
| 21.0 | 1.0 | 1213 | -1 | 2.8 | 0.5 | 0.85 | 0.173 | — | 1.85 | 1.77 | 7.26 | 7.27 | 13.10 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|-------|-------|
| CHL A vs FLUORESCENCE | 2 | 0.00 | 0.000 | 0.000 | 0.000 |
| EXCOF vs NEPHELOMETRY | 3 | 0.97 | 0.547 | 3.694 | 0.109 |
| SALINITY vs DISCR SALINITY | 3 | 1.00 | -0.157 | 1.025 | 0.019 |

LOCATION: SOUTH BAY CHANNEL
 DATE: 15 March 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 21.0 | 1.0 | 1040 | 1 | 0.6 | 1.6 | 0.29 | 0.121 | 0.7 | 3.51 | — | 7.76 | 7.71 | 13.60 |
| 22.0 | 1.0 | 1048 | 1 | — | — | — | 0.114 | 0.4 | — | — | — | 6.88 | 13.60 |
| 23.0 | 1.0 | 1100 | 1 | — | — | — | 0.116 | 0.5 | — | — | — | 6.79 | 13.50 |
| 24.0 | 1.0 | 1109 | 1 | — | — | — | 0.114 | 0.4 | — | — | — | 7.62 | 13.60 |
| 25.0 | 1.0 | 1120 | 1 | — | — | — | 0.149 | 1.8 | — | — | — | 9.27 | 14.00 |
| 26.0 | 1.0 | 1132 | 1 | — | — | — | 0.199 | 3.7 | — | — | — | 10.00 | 13.70 |
| 27.0 | 0.0 | 1218 | 1 | — | — | — | 0.205 | 3.9 | 1.18 | — | — | 10.09 | — |
| 27.0 | 2.0 | 1215 | 1 | 14.5 | 3.8 | 0.79 | 0.460 | 13.8 | — | — | 10.18 | 10.18 | — |
| 27.0 | 5.0 | 1211 | 1 | — | — | — | 0.157 | 2.1 | — | — | — | 10.46 | — |
| 27.0 | 10.0 | 1208 | 1 | — | — | — | 0.133 | 1.1 | — | — | — | 11.10 | — |
| 27.0 | 12.0 | 1204 | 1 | 1.5 | 0.8 | 0.66 | 0.120 | 0.7 | — | — | 11.79 | 11.74 | — |
| 28.0 | 1.0 | 1235 | 1 | — | — | — | 0.559 | 17.7 | — | — | — | 10.18 | 14.50 |
| 29.0 | 0.0 | 1245 | 1 | — | — | — | 0.524 | 16.3 | — | — | — | 10.09 | 14.40 |
| 30.0 | 1.0 | 1302 | 1 | 5.1 | 2.4 | 0.68 | 0.274 | 6.6 | — | — | 9.64 | 9.73 | 14.40 |
| 31.0 | 1.0 | 1315 | 1 | — | — | — | 0.662 | 21.6 | — | — | — | 8.90 | 15.30 |
| 32.0 | 1.0 | 1324 | 1 | — | — | — | 0.314 | 8.2 | — | — | — | 8.26 | 14.70 |
| 33.0 | 1.0 | 1330 | 1 | — | — | — | 0.364 | 10.1 | — | — | — | 7.71 | 14.70 |
| 34.0 | 1.0 | 1341 | 1 | — | — | — | 0.276 | 6.7 | — | — | — | 7.80 | 14.80 |
| 35.0 | 1.0 | 1347 | 1 | — | — | — | 0.288 | 7.2 | — | — | — | 7.43 | 14.80 |
| 36.0 | 1.0 | 1355 | 1 | 6.1 | 2.4 | 0.71 | 0.310 | 8.0 | — | — | — | 6.06 | 15.10 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 4 | 0.97 | -4.009 | 38.747 | 1.295 |
| EXCOF vs NEPHELOMETRY | 2 | 0.00 | 0.000 | 0.000 | 0.000 |
| SALINITY vs DISCR SALINITY | 4 | 1.00 | 1.015 | 0.917 | 0.079 |

LOCATION: SOUTH BAY CHANNEL

DATE: 22 MARCH 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 823 | -1 | — | — | — | 0.236 | 4.1 | — | 1.55 | — | 9.16 | — |
| 32.0 | 1.0 | 756 | -1 | — | — | — | 0.278 | 5.5 | — | 1.59 | — | 8.51 | 13.40 |
| 32.0 | 2.0 | 819 | -1 | 3.5 | 1.7 | 0.67 | 0.238 | 4.1 | 1.96 | 1.54 | 9.19 | 9.21 | — |
| 32.0 | 5.0 | 813 | -1 | — | — | — | 0.229 | 3.8 | — | 1.51 | — | 9.70 | — |
| 32.0 | 10.0 | 807 | -1 | 1.3 | 1.5 | 0.47 | 0.167 | 1.7 | — | 1.46 | 12.62 | 12.64 | — |
| 31.0 | 1.0 | 837 | -1 | — | — | — | 0.282 | 5.7 | — | 1.33 | — | 9.08 | 13.40 |
| 30.0 | 0.0 | 913 | -1 | — | — | — | 0.340 | 7.7 | — | 1.41 | — | 8.61 | — |
| 30.0 | 1.0 | 850 | -1 | — | — | — | 0.516 | 13.9 | — | 1.28 | — | 9.34 | 13.40 |
| 30.0 | 2.0 | 906 | -1 | 6.5 | 1.6 | 0.81 | 0.382 | 9.2 | 1.24 | 1.61 | 9.51 | 9.51 | — |
| 30.0 | 5.0 | 901 | -1 | — | — | — | 0.336 | 7.6 | — | 1.22 | — | 9.62 | — |
| 30.0 | 11.0 | 856 | -1 | 1.0 | 1.3 | 0.42 | 0.145 | 0.9 | — | 1.28 | 13.68 | 13.70 | — |
| 29.0 | 1.0 | 936 | -1 | — | — | — | 0.497 | 13.2 | — | 1.31 | — | 9.39 | 13.40 |
| 28.0 | 1.0 | 946 | -1 | — | — | — | 0.323 | 7.1 | — | 1.18 | — | 9.22 | 13.50 |
| 27.0 | 0.0 | 1021 | -1 | — | — | — | 0.405 | 10.0 | — | 1.17 | — | 9.19 | — |
| 27.0 | 1.0 | 952 | -1 | — | — | — | 0.412 | 10.2 | — | 1.18 | — | 9.21 | 13.40 |
| 27.0 | 2.0 | 1016 | -1 | 11.3 | 0.6 | 0.95 | 0.429 | 10.8 | 1.01 | 1.18 | 9.20 | 9.19 | — |
| 27.0 | 5.0 | 1009 | -1 | — | — | — | 0.189 | 2.4 | — | 1.20 | — | 10.57 | — |
| 27.0 | 10.0 | 1003 | -1 | 1.0 | 1.2 | 0.46 | 0.133 | 0.5 | — | 1.57 | 18.49 | 18.50 | — |
| 26.0 | 1.0 | 1033 | -1 | — | — | — | 0.356 | 8.3 | — | 1.18 | — | 9.39 | 13.50 |
| 25.0 | 1.0 | 1046 | -1 | — | — | — | 0.250 | 4.6 | — | 1.21 | — | 9.66 | 13.30 |
| 24.0 | 0.0 | 1131 | -1 | — | — | — | 0.228 | 3.8 | — | 1.26 | — | 9.10 | — |
| 24.0 | 1.0 | 1100 | -1 | — | — | — | 0.227 | 3.8 | — | 1.26 | — | 9.03 | 13.10 |
| 24.0 | 2.0 | 1125 | -1 | 4.0 | 0.9 | 0.81 | 0.231 | 3.9 | 1.39 | 1.26 | 9.06 | 9.06 | — |
| 24.0 | 5.0 | 1118 | -1 | — | — | — | 0.216 | 3.4 | — | 1.26 | — | 9.17 | — |
| 24.0 | 8.0 | 1114 | -1 | 1.7 | 1.1 | 0.61 | 0.158 | 1.3 | — | 1.39 | 13.12 | 13.08 | — |
| 23.0 | 1.0 | 1149 | -1 | — | — | — | 0.256 | 4.8 | — | 1.25 | — | 9.49 | 13.20 |
| 22.0 | 1.0 | 1203 | -1 | — | — | — | 0.242 | 4.3 | — | 1.30 | — | 9.56 | 13.10 |
| 21.0 | 0.0 | 1310 | -1 | — | — | — | 0.442 | 11.3 | — | 1.24 | — | 9.81 | — |
| 21.0 | 1.0 | 1213 | -1 | — | — | — | 0.295 | 6.1 | — | 1.25 | — | 9.72 | 13.20 |
| 21.0 | 2.0 | 1305 | -1 | 13.0 | 3.4 | 0.79 | 0.440 | 11.2 | 1.24 | 1.24 | 9.79 | 9.76 | — |
| 21.0 | 5.0 | 1259 | -1 | — | — | — | 0.466 | 12.1 | — | 1.25 | — | 9.80 | — |
| 21.0 | 10.0 | 1252 | -1 | 3.4 | 1.8 | 0.65 | 0.207 | 3.0 | — | 1.53 | 13.63 | 13.67 | — |
| 21.0 | 15.0 | 1245 | -1 | — | — | — | 0.113 | -0.2 | — | 1.33 | 21.79 | 21.77 | — |

| REGRESSION | N | R ² | A | B | Syx |
|----------------------------|----|----------------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.93 | -4.183 | 34.983 | 1.214 |
| EXCOF vs NEPHELOMETRY | 5 | 0.30 | 1.053 | 1.156 | 0.345 |
| SALINITY vs DISCR SALINITY | 11 | 1.00 | 0.132 | 0.996 | 0.027 |

LOCATION: South Bay Channel
DATE: 29 March 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 730 | 1 | ----- | ----- | ----- | 0.300 | 12.3 | ----- | 2.88 | ----- | 8.56 | 13.20 |
| 29.0 | 1.0 | 746 | 1 | ----- | ----- | ----- | 0.280 | 11.2 | ----- | 2.73 | ----- | 9.20 | 13.20 |
| 28.0 | 1.0 | 757 | 1 | ----- | ----- | ----- | 0.270 | 10.7 | ----- | 2.60 | ----- | 9.75 | 13.10 |
| 27.0 | 1.0 | 805 | 1 | ----- | ----- | ----- | 0.270 | 10.7 | ----- | 2.56 | ----- | 9.77 | 13.10 |
| 26.0 | 1.0 | 815 | 1 | ----- | ----- | ----- | 0.240 | 9.1 | ----- | 2.31 | ----- | 10.11 | 13.00 |
| 25.0 | 1.0 | 831 | 1 | ----- | ----- | ----- | 0.200 | 6.9 | ----- | 2.36 | ----- | 10.65 | 12.90 |
| 24.0 | 1.0 | 845 | 1 | ----- | ----- | ----- | 0.165 | 5.0 | ----- | 2.41 | ----- | 11.25 | 12.80 |
| 23.0 | 1.0 | 855 | 1 | ----- | ----- | ----- | 0.212 | 7.6 | ----- | 2.50 | ----- | 11.07 | 12.80 |
| 22.0 | 1.0 | 914 | 1 | ----- | ----- | ----- | 0.136 | 3.5 | ----- | 2.70 | ----- | 10.14 | 12.40 |
| 21.0 | 0.0 | 1000 | 1 | ----- | ----- | ----- | 0.151 | 4.3 | 3.51 | 3.33 | ----- | 9.36 | 12.50 |
| 21.0 | 2.0 | 954 | 1 | 2.5 | 2.7 | 0.48 | 0.139 | 3.6 | ----- | 2.76 | 8.75 | 8.77 | ----- |
| 21.0 | 5.0 | 946 | 1 | ----- | ----- | ----- | 0.128 | 3.1 | ----- | 2.49 | ----- | 11.70 | ----- |
| 21.0 | 10.0 | 941 | 1 | 2.3 | 2.6 | 0.47 | 0.127 | 2.9 | ----- | 2.79 | ----- | 12.96 | ----- |
| 21.0 | 15.0 | 934 | 1 | ----- | ----- | ----- | 0.124 | 2.8 | ----- | 2.84 | 13.45 | 13.45 | ----- |
| 22.0 | 1.0 | 1015 | 1 | ----- | ----- | ----- | 0.127 | 2.9 | ----- | 2.86 | ----- | 9.71 | 12.40 |
| 23.0 | 1.0 | 1025 | 1 | ----- | ----- | ----- | 0.127 | 2.9 | ----- | 2.60 | ----- | 9.66 | 12.40 |
| 24.0 | 0.0 | 1101 | 1 | ----- | ----- | ----- | 0.131 | 3.2 | 2.58 | 2.30 | ----- | 9.88 | 12.60 |
| 24.0 | 2.0 | 1056 | 1 | 4.0 | 2.1 | 0.66 | 0.142 | 3.8 | ----- | 2.25 | ----- | 10.19 | ----- |
| 24.0 | 5.0 | 1051 | 1 | ----- | ----- | ----- | 0.149 | 4.1 | ----- | 2.12 | ----- | 12.59 | ----- |
| 24.0 | 10.0 | 1043 | 1 | 4.3 | 5.4 | 0.44 | 0.174 | 5.5 | ----- | 4.72 | 13.35 | 13.37 | ----- |
| 25.0 | 1.0 | 1119 | 1 | ----- | ----- | ----- | 0.212 | 7.6 | ----- | 4.62 | ----- | 11.46 | 13.00 |
| 26.0 | 1.0 | 1130 | 1 | ----- | ----- | ----- | 0.168 | 5.2 | ----- | 3.11 | ----- | 11.27 | 12.90 |
| 27.0 | 0.0 | 1201 | 1 | ----- | ----- | ----- | 0.180 | 5.9 | 2.58 | 2.81 | ----- | 11.06 | 13.00 |
| 27.0 | 2.0 | 1157 | 1 | 6.9 | 4.2 | 0.63 | 0.188 | 6.3 | ----- | 2.84 | ----- | 11.06 | ----- |
| 27.0 | 5.0 | 1152 | 1 | ----- | ----- | ----- | 0.178 | 5.7 | ----- | 3.16 | ----- | 11.09 | ----- |
| 27.0 | 10.0 | 1146 | 1 | 6.5 | 5.7 | 0.53 | 0.187 | 6.2 | ----- | 3.31 | 11.14 | 11.10 | ----- |
| 28.0 | 1.0 | 1215 | 1 | ----- | ----- | ----- | 0.253 | 9.8 | ----- | 2.52 | ----- | 10.63 | 13.30 |
| 29.0 | 1.0 | 1225 | 1 | ----- | ----- | ----- | 0.246 | 9.4 | ----- | 3.23 | ----- | 10.40 | 13.00 |
| 30.0 | 2.0 | 1255 | 1 | 10.3 | 6.8 | 0.60 | 0.235 | 8.8 | 2.38 | 2.60 | ----- | 10.02 | 13.10 |
| 30.0 | 10.0 | 1248 | 1 | 12.0 | 9.0 | 0.57 | 0.255 | 9.9 | ----- | 3.42 | ----- | 10.03 | ----- |
| 31.0 | 1.0 | 1315 | 1 | ----- | ----- | ----- | 0.265 | 10.4 | ----- | 2.90 | ----- | 9.36 | 13.40 |
| 32.0 | 2.0 | 1336 | 1 | 9.4 | 3.0 | 0.76 | 0.315 | 13.1 | ----- | 2.51 | 9.41 | 9.40 | 13.50 |
| 32.0 | 10.0 | 1329 | 1 | 12.4 | 8.4 | 0.60 | 0.260 | 10.2 | ----- | 3.25 | ----- | 9.61 | ----- |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.77 | -3.895 | 54.077 | 1.911 |
| EXCOF vs NEPHELOMETRY | 4 | 0.73 | 1.641 | 1.324 | 0.326 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | 0.283 | 0.977 | 0.026 |

LOCATION: SOUTH BAY CHANNEL
DATE: 5 APRIL 1983

| STATH NUMR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|---------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 734 | -1 | --- | --- | --- | 0.544 | 20.1 | --- | --- | --- | 8.91 | 13.50 |
| 30.0 | 2.0 | 754 | -1 | 17.5 | 5.2 | 0.77 | 0.483 | 17.2 | 3.13 | --- | 8.73 | 8.71 | --- |
| 30.0 | 13.0 | 742 | -1 | 15.8 | 6.3 | 0.71 | 0.489 | 17.5 | --- | --- | 8.91 | 8.87 | --- |
| 29.0 | 1.0 | 823 | -1 | --- | --- | --- | 0.401 | 13.2 | --- | --- | --- | 9.19 | 13.60 |
| 28.0 | 1.0 | 833 | -1 | --- | --- | --- | 0.432 | 14.7 | --- | --- | --- | 9.36 | 13.70 |
| 27.0 | 1.0 | 844 | -1 | 10.7 | 7.3 | 0.60 | 0.372 | 11.8 | --- | --- | --- | 9.83 | 13.60 |
| 26.0 | 1.0 | 859 | -1 | --- | --- | --- | 0.368 | 11.6 | --- | --- | --- | 9.65 | 13.80 |
| 25.0 | 1.0 | 911 | -1 | --- | --- | --- | 0.390 | 12.6 | --- | --- | --- | 9.61 | 13.90 |
| 24.0 | 1.0 | 926 | -1 | 7.5 | 3.4 | 0.69 | 0.315 | 9.0 | --- | --- | 9.75 | 9.82 | 13.80 |
| 23.0 | 1.0 | 935 | -1 | --- | --- | --- | 0.267 | 6.6 | --- | --- | --- | 10.19 | 13.60 |
| 22.0 | 1.0 | 948 | -1 | --- | --- | --- | 0.147 | 0.8 | --- | --- | --- | 11.07 | 13.20 |
| 21.0 | 1.0 | 958 | -1 | 1.9 | 0.8 | 0.71 | 0.125 | -0.3 | --- | --- | 10.97 | 10.96 | 13.10 |
| 23.0 | 1.0 | 1027 | -1 | --- | --- | --- | 0.240 | 5.3 | --- | --- | --- | 10.22 | 13.50 |
| 24.0 | 1.0 | 1039 | -1 | --- | --- | --- | 0.377 | 12.0 | --- | --- | --- | 9.56 | 14.00 |
| 25.0 | 1.0 | 1055 | -1 | --- | --- | --- | 0.379 | 12.1 | --- | --- | --- | 9.74 | 13.90 |
| 26.0 | 1.0 | 1111 | -1 | --- | --- | --- | 0.371 | 11.7 | --- | --- | --- | 9.79 | 13.70 |
| 27.0 | 1.0 | 1122 | -1 | --- | --- | --- | 0.400 | 13.1 | --- | --- | --- | 9.25 | 13.70 |
| 28.0 | 1.0 | 1130 | -1 | --- | --- | --- | 0.532 | 19.5 | --- | --- | --- | 8.87 | 13.70 |
| 29.0 | 1.0 | 1141 | -1 | --- | --- | --- | 0.680 | 26.8 | --- | --- | --- | 8.13 | 13.70 |
| 30.0 | 1.0 | 1207 | -1 | --- | --- | --- | 0.924 | 38.6 | --- | --- | --- | 7.02 | 13.50 |
| 31.0 | 1.0 | 1217 | -1 | --- | --- | --- | 0.778 | 31.6 | --- | --- | --- | 6.37 | 13.60 |
| 32.0 | 1.0 | 1226 | -1 | --- | --- | --- | 0.775 | 31.4 | --- | --- | --- | 6.16 | 13.60 |
| 32.0 | 1.0 | 1253 | -1 | 31.5 | 12.2 | 0.72 | 0.744 | 29.9 | 4.76 | --- | 6.19 | 6.20 | 13.60 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 6 | 0.97 | -6.374 | 48.721 | 1.857 |
| EXCOF vs NEPHELOMETRY | 2 | 0.00 | 0.000 | 0.000 | 0.000 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | 0.066 | 0.999 | 0.051 |

LOCATION: SOUTH BAY CHANNEL
DATE: 8 APRIL 1983

| STATH NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 854 | -1 | --- | --- | --- | 1.108 | 48.6 | 4.76 | 4.89 | --- | 7.58 | --- |
| 32.0 | 2.0 | 845 | -1 | 51.3 | 15.3 | 0.77 | 1.079 | 47.2 | --- | 4.77 | --- | 7.59 | --- |
| 32.0 | 5.0 | 826 | 0 | --- | --- | --- | 0.867 | 37.1 | --- | 4.37 | 8.05 | 8.04 | --- |
| 32.0 | 8.0 | 839 | 0 | --- | --- | --- | 0.297 | 9.8 | --- | 3.90 | --- | 13.99 | --- |
| 32.0 | 10.0 | 817 | 1 | 10.1 | 8.1 | 0.55 | 0.280 | 8.9 | --- | 5.36 | --- | 18.91 | --- |
| 32.0 | 13.0 | 810 | 1 | --- | --- | --- | 0.327 | 11.2 | --- | 6.15 | 19.00 | 19.04 | --- |
| 31.0 | 1.0 | 911 | -1 | --- | --- | --- | 0.788 | 33.3 | --- | 3.62 | --- | 8.16 | 14.10 |
| 30.0 | 0.0 | 1005 | -1 | 31.2 | 8.6 | 0.78 | 0.829 | 35.3 | 3.13 | 2.75 | --- | 8.74 | --- |
| 30.0 | 1.0 | 1009 | -1 | --- | --- | --- | 0.794 | 33.6 | --- | 2.26 | --- | 8.88 | 14.40 |
| 30.0 | 2.0 | 958 | -1 | 31.0 | -1.1 | 1.04 | 0.591 | 23.8 | --- | 2.38 | --- | 8.90 | --- |
| 30.0 | 5.0 | 952 | -1 | --- | --- | --- | 0.524 | 20.6 | --- | 2.36 | --- | 8.94 | --- |
| 30.0 | 8.0 | 945 | -1 | --- | --- | --- | 0.215 | 5.8 | --- | 2.22 | --- | 14.25 | --- |
| 30.0 | 10.0 | 938 | -1 | 5.4 | 3.5 | 0.61 | 0.198 | 5.0 | --- | 2.14 | 16.00 | 15.96 | --- |
| 30.0 | 13.0 | 931 | -1 | --- | --- | --- | 0.140 | 2.2 | --- | 2.32 | 21.83 | 21.87 | --- |
| 29.0 | 1.0 | 1028 | -1 | --- | --- | --- | 0.630 | 25.7 | --- | 2.20 | --- | 9.74 | 14.50 |
| 28.0 | 1.0 | 1038 | -1 | --- | --- | --- | 0.561 | 22.4 | --- | 2.13 | --- | 10.03 | 14.40 |
| 27.0 | 0.0 | 1128 | -1 | --- | --- | --- | 0.519 | 20.4 | 1.96 | 1.94 | --- | 10.11 | --- |
| 27.0 | 1.0 | 1048 | -1 | --- | --- | --- | 0.511 | 20.0 | --- | 1.99 | --- | 10.24 | 14.40 |
| 27.0 | 2.0 | 1122 | -1 | 15.0 | 3.3 | 0.82 | 0.468 | 17.9 | --- | 2.02 | --- | 10.26 | --- |
| 27.0 | 5.0 | 1115 | -1 | --- | --- | --- | 0.243 | 7.2 | --- | 1.92 | 12.49 | 12.48 | --- |
| 27.0 | 8.0 | 1106 | -1 | --- | --- | --- | 0.124 | 1.5 | --- | 1.73 | --- | 20.57 | --- |
| 27.0 | 10.0 | 1057 | -1 | 2.3 | 1.7 | 0.58 | 0.111 | 0.8 | --- | 1.99 | --- | 22.47 | --- |
| 26.0 | 1.0 | 1139 | -1 | --- | --- | --- | 0.559 | 22.3 | --- | 1.88 | --- | 10.41 | 14.50 |
| 25.0 | 1.0 | 1151 | -1 | --- | --- | --- | 0.531 | 21.0 | --- | 1.34 | --- | 10.93 | 14.40 |
| 24.0 | 0.0 | 1233 | -1 | --- | --- | --- | 0.476 | 18.3 | 1.76 | 1.74 | --- | 10.81 | --- |
| 24.0 | 1.0 | 1203 | -1 | --- | --- | --- | 0.439 | 16.6 | --- | 1.72 | --- | 11.02 | 14.30 |
| 24.0 | 2.0 | 1227 | -1 | 12.2 | 3.7 | 0.77 | 0.470 | 18.0 | --- | 1.75 | 10.77 | 10.80 | --- |
| 24.0 | 5.0 | 1218 | -1 | --- | --- | --- | 0.286 | 9.2 | --- | 1.96 | --- | 12.31 | --- |
| 24.0 | 8.0 | 1213 | -1 | 2.1 | 0.9 | 0.71 | 0.102 | 0.4 | --- | 1.60 | --- | 20.67 | --- |
| 23.0 | 1.0 | 1247 | -1 | --- | --- | --- | 0.397 | 14.5 | --- | 1.59 | --- | 12.24 | 14.30 |
| 22.0 | 1.0 | 1259 | -1 | --- | --- | --- | 0.332 | 11.4 | --- | 1.61 | --- | 12.66 | 14.10 |
| 21.0 | 1.0 | 1307 | -1 | --- | --- | --- | 0.515 | 20.2 | --- | 1.64 | --- | 11.63 | 14.20 |
| 21.0 | 2.0 | 1349 | -1 | 11.7 | 2.9 | 0.80 | 0.432 | 16.2 | 1.31 | 1.60 | --- | 11.57 | --- |
| 21.0 | 5.0 | 1338 | -1 | --- | --- | --- | 0.333 | 11.5 | --- | 1.84 | --- | 13.24 | --- |
| 21.0 | 10.0 | 1327 | -1 | 1.8 | 0.8 | 0.68 | 0.100 | 0.3 | --- | 1.58 | --- | 20.67 | --- |
| 21.0 | 15.0 | 1317 | -1 | --- | --- | --- | 0.081 | -0.6 | --- | 2.19 | 28.15 | 28.11 | --- |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 11 | 0.94 | -4.490 | 47.931 | 4.159 |
| EXCOF vs NEPHELOMETRY | 5 | 0.97 | 1.168 | 2.677 | 0.287 |
| SALINITY vs DISCR SALINITY | 7 | 1.00 | 0.063 | 1.000 | 0.039 |

LOCATION: South Bay Channel
DATE: 12 April 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAE0 | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 728 | 0 | — | — | — | 0.854 | 29.7 | — | 5.22 | — | 10.08 | 13.60 |
| 29.0 | 1.0 | 749 | 0 | — | — | — | 0.710 | 24.1 | — | 3.42 | — | 11.68 | 13.50 |
| 28.0 | 1.0 | 800 | 0 | — | — | — | 0.720 | 24.5 | — | 3.10 | — | 11.94 | 13.50 |
| 27.0 | 1.0 | 810 | 1 | — | — | — | 0.690 | 23.3 | — | 3.01 | — | 12.61 | 13.60 |
| 26.0 | 1.0 | 820 | 1 | — | — | — | 0.640 | 21.4 | — | 1.77 | — | 12.66 | 13.60 |
| 25.0 | 1.0 | 834 | 1 | — | — | — | 0.630 | 21.0 | — | 2.47 | — | 15.01 | 13.20 |
| 24.0 | 1.0 | 849 | 1 | — | — | — | 0.370 | 10.9 | — | 1.30 | — | 15.90 | 12.90 |
| 23.0 | 1.0 | 900 | 1 | — | — | — | 0.360 | 10.5 | — | 1.35 | — | 14.36 | 12.70 |
| 22.0 | 1.0 | 920 | 1 | — | — | — | 0.180 | 3.6 | — | 1.54 | — | 13.74 | 12.60 |
| 21.0 | 0.0 | 1005 | 1 | — | — | — | 0.206 | 4.6 | 2.58 | 2.70 | — | 15.92 | — |
| 21.0 | 1.0 | 1007 | 1 | — | — | — | 0.256 | 6.5 | — | 3.18 | — | 16.46 | 12.50 |
| 21.0 | 2.0 | 1001 | 1 | 5.0 | 3.7 | 0.58 | 0.237 | 5.8 | — | 3.05 | 16.97 | 16.94 | — |
| 21.0 | 5.0 | 955 | 1 | — | — | — | 0.233 | 5.6 | — | 2.73 | — | 18.14 | — |
| 21.0 | 10.0 | 951 | 1 | — | — | — | 0.167 | 3.1 | — | 2.47 | — | 20.71 | — |
| 21.0 | 15.0 | 946 | 1 | 3.0 | 4.0 | 0.43 | 0.180 | 3.6 | — | 3.36 | 21.28 | 21.27 | — |
| 22.0 | 1.0 | 1020 | 1 | — | — | — | 0.180 | 3.6 | — | 1.51 | — | 14.76 | 12.70 |
| 23.0 | 1.0 | 1030 | 1 | — | — | — | 0.206 | 4.6 | — | 1.33 | — | 14.46 | 12.60 |
| 24.0 | 0.0 | 1057 | 1 | — | — | — | 0.229 | 5.5 | 1.61 | 1.23 | — | 14.54 | — |
| 24.0 | 1.0 | 1100 | 1 | — | — | — | 0.203 | 4.4 | — | 1.28 | — | 14.52 | 12.70 |
| 24.0 | 2.0 | 1054 | 1 | 5.6 | 1.8 | 0.75 | 0.237 | 5.8 | — | 1.21 | 15.10 | 15.15 | — |
| 24.0 | 5.0 | 1051 | 1 | — | — | — | 0.241 | 5.9 | — | 1.30 | — | 16.31 | — |
| 24.0 | 9.0 | 1045 | 1 | 6.2 | 2.9 | 0.68 | 0.258 | 6.6 | — | 2.50 | — | 17.87 | — |
| 25.0 | 1.0 | 1114 | 1 | — | — | — | 0.380 | 11.3 | — | 1.23 | — | 14.46 | 13.10 |
| 26.0 | 1.0 | 1126 | 1 | — | — | — | 0.730 | 24.8 | — | 2.08 | — | 15.03 | 13.50 |
| 27.0 | 0.0 | 1158 | 1 | — | — | — | 0.905 | 31.6 | 1.31 | 1.78 | — | 13.86 | — |
| 27.0 | 1.0 | 1201 | 1 | — | — | — | 0.905 | 31.6 | — | 1.74 | — | 13.93 | 13.50 |
| 27.0 | 2.0 | 1153 | 1 | 21.8 | 6.6 | 0.77 | 0.744 | 25.4 | — | 2.19 | — | 14.53 | — |
| 27.0 | 5.0 | 1149 | 1 | — | — | — | 0.652 | 21.8 | — | 2.60 | — | 14.71 | — |
| 27.0 | 10.0 | 1145 | 1 | — | — | — | 0.617 | 20.5 | — | 3.50 | — | 14.76 | — |
| 27.0 | 12.0 | 1140 | 1 | 20.1 | 11.3 | 0.64 | 0.617 | 20.5 | — | 3.77 | — | 14.72 | — |
| 28.0 | 1.0 | 1214 | 0 | — | — | — | 0.854 | 29.7 | — | 1.56 | 12.93 | 12.93 | 13.40 |
| 29.0 | 1.0 | 1222 | 0 | — | — | — | 0.823 | 28.4 | — | 1.82 | — | 12.41 | 13.80 |
| 30.0 | 0.0 | 1302 | -1 | — | — | — | 1.082 | 38.5 | 3.51 | 3.30 | — | 11.33 | — |
| 30.0 | 1.0 | 1306 | -1 | — | — | — | 0.949 | 33.3 | — | 3.34 | — | 11.57 | 14.00 |
| 30.0 | 2.0 | 1258 | -1 | 35.2 | 9.2 | 0.79 | 1.013 | 35.8 | — | 3.33 | — | 11.34 | — |
| 30.0 | 5.0 | 1254 | -1 | — | — | — | 0.649 | 21.7 | — | 2.77 | — | 12.61 | — |
| 30.0 | 10.0 | 1251 | -1 | — | — | — | 0.598 | 19.7 | — | 3.00 | — | 13.23 | — |
| 30.0 | 14.0 | 1247 | -1 | 22.4 | 7.1 | 0.76 | 0.611 | 20.2 | — | 3.59 | — | 13.26 | — |
| 31.0 | 1.0 | 1323 | -1 | — | — | — | 0.886 | 30.9 | — | 3.10 | — | 11.17 | 13.70 |
| 32.0 | 0.0 | 1358 | -1 | — | — | — | 0.860 | 29.9 | — | 5.63 | — | 10.05 | — |
| 32.0 | 1.0 | 1402 | -1 | — | — | — | 0.800 | 27.6 | — | 5.06 | — | 10.18 | 14.10 |
| 32.0 | 2.0 | 1353 | -1 | 23.0 | 10.3 | 0.69 | 0.640 | 21.4 | — | 4.59 | 10.34 | 10.32 | — |
| 32.0 | 5.0 | 1347 | -1 | — | — | — | 0.541 | 17.5 | — | 3.88 | — | 11.10 | — |
| 32.0 | 10.0 | 1343 | -1 | — | — | — | 0.547 | 17.8 | — | 3.39 | — | 11.42 | — |
| 32.0 | 12.0 | 1338 | -1 | 21.4 | 7.8 | 0.73 | 0.570 | 18.6 | — | 4.04 | — | 11.57 | — |

| REGRESSION | N | R^2 | A | B | Sux |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.97 | -3.399 | 38.695 | 1.911 |
| EXCOF vs NEPHELOMETRY | 4 | 0.86 | 0.475 | 2.587 | 0.466 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | 0.131 | 0.995 | 0.038 |

LOCATION: SOUTH BAY CHANNEL
DATE: 15 APRIL 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 29.0 | 1.0 | 802 | 0 | ----- | ----- | ----- | 0.657 | 29.6 | ----- | 5.31 | ----- | 11.29 | 14.10 |
| 28.0 | 1.0 | 811 | 0 | ----- | ----- | ----- | 0.600 | 26.5 | ----- | 4.57 | ----- | 11.93 | 13.90 |
| 27.0 | 1.0 | 822 | 0 | ----- | ----- | ----- | 0.550 | 23.8 | ----- | 3.83 | ----- | 12.52 | 13.80 |
| 26.0 | 1.0 | 831 | 0 | ----- | ----- | ----- | 0.540 | 23.2 | ----- | 3.48 | ----- | 12.77 | 13.80 |
| 25.0 | 1.0 | 843 | 0 | ----- | ----- | ----- | 0.500 | 21.0 | ----- | 2.29 | ----- | 14.34 | 13.80 |
| 24.0 | 1.0 | 856 | 0 | ----- | ----- | ----- | 0.420 | 16.7 | ----- | 2.31 | ----- | 15.23 | 13.60 |
| 23.0 | 1.0 | 907 | 1 | ----- | ----- | ----- | 0.350 | 12.9 | ----- | 2.23 | ----- | 15.43 | 13.60 |
| 22.0 | 1.0 | 924 | 1 | ----- | ----- | ----- | 0.300 | 10.1 | ----- | 2.16 | ----- | 16.59 | 13.40 |
| 21.0 | 0.0 | 958 | 1 | ----- | ----- | ----- | 0.168 | 3.0 | 3.13 | 2.21 | ----- | 15.38 | 12.90 |
| 21.0 | 2.0 | 954 | 1 | 5.4 | 1.8 | 0.75 | 0.199 | 4.6 | ----- | 2.36 | ----- | 15.41 | ----- |
| 21.0 | 5.0 | 950 | 1 | ----- | ----- | ----- | 0.246 | 7.2 | ----- | 2.51 | ----- | 18.29 | ----- |
| 21.0 | 10.0 | 942 | 1 | 6.1 | 3.9 | 0.61 | 0.227 | 6.2 | ----- | 2.38 | 18.90 | 18.91 | ----- |
| 23.0 | 1.0 | 1024 | 1 | ----- | ----- | ----- | 0.360 | 13.4 | ----- | 2.24 | ----- | 16.03 | 13.40 |
| 24.0 | 0.0 | 1054 | 1 | ----- | ----- | ----- | 0.276 | 8.8 | 1.85 | 2.15 | 16.33 | 16.32 | 13.40 |
| 24.0 | 2.0 | 1048 | 1 | 9.4 | 2.2 | 0.81 | 0.257 | 7.8 | ----- | 2.19 | ----- | 16.62 | ----- |
| 24.0 | 5.0 | 1044 | 1 | ----- | ----- | ----- | 0.258 | 7.9 | ----- | 3.79 | ----- | 18.50 | ----- |
| 24.0 | 8.0 | 1039 | 1 | 8.5 | 9.7 | 0.47 | 0.287 | 9.4 | ----- | 5.17 | ----- | 18.58 | ----- |
| 25.0 | 1.0 | 1108 | 1 | ----- | ----- | ----- | 0.370 | 14.0 | ----- | 2.75 | ----- | 15.95 | 13.50 |
| 26.0 | 1.0 | 1120 | 1 | ----- | ----- | ----- | 0.450 | 18.3 | ----- | 3.09 | ----- | 14.54 | 13.80 |
| 27.0 | 0.0 | 1151 | 1 | ----- | ----- | ----- | 0.442 | 17.9 | 2.08 | 2.40 | ----- | 13.43 | ----- |
| 27.0 | 2.0 | 1145 | 1 | 16.6 | 7.2 | 0.70 | 0.420 | 16.7 | ----- | 2.54 | ----- | 13.69 | ----- |
| 27.0 | 5.0 | 1141 | 1 | ----- | ----- | ----- | 0.425 | 17.0 | ----- | 3.08 | ----- | 13.81 | ----- |
| 27.0 | 10.0 | 1136 | 1 | 14.1 | 13.9 | 0.50 | 0.450 | 18.3 | ----- | 3.66 | ----- | 13.88 | ----- |
| 28.0 | 1.0 | 1202 | 1 | ----- | ----- | ----- | 0.600 | 26.5 | ----- | 2.49 | ----- | 12.77 | 14.50 |
| 29.0 | 1.0 | 1210 | 1 | ----- | ----- | ----- | 0.580 | 25.4 | ----- | 2.68 | ----- | 12.67 | 14.30 |
| 30.0 | 0.0 | 1252 | 1 | ----- | ----- | ----- | 0.573 | 25.0 | 2.58 | 3.09 | ----- | 12.35 | ----- |
| 30.0 | 2.0 | 1246 | 1 | 24.0 | 10.0 | 0.71 | 0.545 | 23.5 | ----- | 3.33 | 12.28 | 12.28 | ----- |
| 30.0 | 5.0 | 1241 | 1 | ----- | ----- | ----- | 0.551 | 23.8 | ----- | 3.55 | ----- | 12.35 | ----- |
| 30.0 | 10.0 | 1236 | 1 | ----- | ----- | ----- | 0.580 | 25.4 | ----- | 4.13 | ----- | 12.40 | ----- |
| 30.0 | 14.0 | 1232 | 1 | ----- | ----- | ----- | 0.630 | 28.1 | ----- | 5.31 | ----- | 12.40 | ----- |
| 31.0 | 1.0 | 1307 | 1 | ----- | ----- | ----- | 0.580 | 25.4 | ----- | 3.87 | ----- | 11.72 | 14.60 |
| 32.0 | 0.0 | 1333 | 1 | ----- | ----- | ----- | 0.800 | 37.4 | 4.76 | 4.55 | ----- | 10.36 | ----- |
| 32.0 | 2.0 | 1330 | 1 | 29.4 | 11.4 | 0.72 | 0.670 | 30.3 | ----- | 4.27 | ----- | 11.00 | ----- |
| 32.0 | 5.0 | 1325 | 1 | ----- | ----- | ----- | 0.615 | 27.3 | ----- | 3.92 | ----- | 11.00 | ----- |
| 32.0 | 8.0 | 1321 | 1 | 29.9 | 13.8 | 0.68 | 0.603 | 26.6 | ----- | 5.15 | ----- | 11.24 | ----- |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 9 | 0.96 | -6.190 | 54.448 | 2.188 |
| EXCOF vs NEPHELOMETRY | 5 | 0.75 | 1.707 | 1.370 | 0.667 |
| SALINITY vs DISCR SALINITY | 3 | 1.00 | 0.894 | 0.953 | 0.014 |

LOCATION: South Bay Channel
DATE: 19 April 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 820 | -1 | — | — | — | 0.503 | 17.3 | 4.76 | 5.12 | 10.35 | 10.38 | — |
| 32.0 | 1.0 | 826 | -1 | — | — | — | 0.520 | 17.9 | — | 5.04 | — | 10.20 | 14.90 |
| 32.0 | 2.0 | 813 | -1 | — | — | — | 0.490 | 16.8 | — | 4.93 | — | 10.50 | — |
| 32.0 | 5.0 | 807 | -1 | — | — | — | 0.402 | 13.5 | — | 4.29 | — | 13.95 | — |
| 32.0 | 9.0 | 802 | -1 | 16.2 | 11.0 | 0.60 | 0.425 | 14.4 | — | 4.74 | 14.85 | 14.80 | — |
| 31.0 | 1.0 | 834 | -1 | — | — | — | 0.460 | 15.7 | — | 4.45 | — | 11.05 | 14.70 |
| 30.0 | 0.0 | 906 | -1 | — | — | — | 0.455 | 15.5 | 4.76 | 4.27 | — | 10.59 | — |
| 30.0 | 1.0 | 910 | -1 | — | — | — | 0.420 | 14.2 | — | 4.16 | — | 10.81 | 14.70 |
| 30.0 | 2.0 | 901 | -1 | 13.7 | 8.3 | 0.62 | 0.405 | 13.6 | — | 3.89 | — | 11.16 | — |
| 30.0 | 5.0 | 856 | -1 | — | — | — | 0.346 | 11.4 | — | 2.71 | — | 13.38 | — |
| 30.0 | 10.0 | 852 | -1 | 10.3 | 5.6 | 0.65 | 0.290 | 9.3 | — | 1.48 | 15.72 | 15.71 | — |
| 29.0 | 1.0 | 929 | -1 | — | — | — | 0.360 | 11.9 | — | 2.55 | — | 13.19 | 14.40 |
| 28.0 | 1.0 | 937 | -1 | — | — | — | 0.350 | 11.5 | — | 1.89 | — | 13.57 | 14.40 |
| 27.0 | 0.0 | 1005 | -1 | — | — | — | 0.410 | 13.8 | 2.08 | 2.10 | — | 13.61 | — |
| 27.0 | 1.0 | 1007 | -1 | — | — | — | 0.410 | 13.8 | — | 2.05 | — | 13.51 | 14.40 |
| 27.0 | 2.0 | 959 | -1 | 14.5 | 4.8 | 0.75 | 0.430 | 14.5 | — | 2.12 | — | 13.55 | — |
| 27.0 | 5.0 | 955 | -1 | — | — | — | 0.245 | 7.6 | — | 1.61 | — | 16.59 | — |
| 27.0 | 10.0 | 952 | -1 | 6.0 | 3.0 | 0.67 | 0.180 | 5.1 | — | 1.85 | 19.65 | 19.67 | — |
| 26.0 | 1.0 | 1019 | -1 | — | — | — | 0.380 | 12.7 | — | 1.71 | — | 14.57 | 14.40 |
| 25.0 | 1.0 | 1030 | -1 | — | — | — | 0.300 | 9.6 | — | 1.46 | — | 16.75 | 14.10 |
| 24.0 | 0.0 | 1059 | -1 | — | — | — | 0.440 | 14.9 | 1.49 | 1.50 | — | 15.51 | — |
| 24.0 | 1.0 | 1105 | -1 | — | — | — | 0.420 | 14.2 | — | 1.50 | — | 15.56 | 14.80 |
| 24.0 | 2.0 | 1055 | -1 | 10.5 | 2.2 | 0.82 | 0.390 | 13.0 | — | 1.49 | — | 15.93 | — |
| 24.0 | 5.0 | 1051 | -1 | — | — | — | 0.510 | 17.6 | — | 1.48 | — | 19.18 | — |
| 24.0 | 9.0 | 1047 | -1 | 2.7 | 2.0 | 0.58 | 0.120 | 2.9 | — | 1.82 | — | 21.92 | — |
| 23.0 | 1.0 | 1118 | -1 | — | — | — | 0.690 | 24.4 | — | 1.44 | — | 16.05 | 14.60 |
| 22.0 | 1.0 | 1131 | -1 | — | — | — | 0.440 | 14.9 | — | 1.47 | — | 15.63 | 14.70 |
| 21.0 | 0.0 | 1204 | 0 | — | — | — | 0.443 | 15.0 | 1.76 | 1.86 | — | 14.10 | — |
| 21.0 | 1.0 | 1210 | 0 | — | — | — | 0.370 | 12.3 | — | 1.80 | — | 15.97 | 14.40 |
| 21.0 | 2.0 | 1158 | 0 | 10.9 | 4.4 | 0.71 | 0.345 | 11.3 | — | 1.78 | — | 15.13 | — |
| 21.0 | 5.0 | 1155 | 0 | — | — | — | 0.253 | 7.9 | — | 1.85 | — | 17.82 | — |
| 21.0 | 10.0 | 1151 | 0 | — | — | — | 0.130 | 3.2 | — | 2.01 | — | 22.96 | — |
| 21.0 | 15.0 | 1145 | 0 | 3.3 | 2.8 | 0.54 | 0.149 | 3.9 | — | 2.38 | 24.58 | 24.59 | — |
| 22.0 | 1.0 | 1223 | 1 | — | — | — | 0.410 | 13.8 | — | 1.52 | — | 15.87 | 14.50 |
| 23.0 | 1.0 | 1233 | 1 | — | — | — | 0.410 | 13.8 | — | 1.53 | — | 16.92 | 14.10 |
| 24.0 | 1.0 | 1245 | 1 | — | — | — | 0.460 | 15.7 | — | 1.55 | — | 16.06 | 14.70 |
| 25.0 | 1.0 | 1258 | 1 | — | — | — | 0.360 | 11.9 | — | 1.71 | — | 15.37 | 14.50 |
| 26.0 | 1.0 | 1311 | 1 | — | — | — | 0.330 | 10.8 | — | 1.82 | — | 14.68 | 14.30 |
| 27.0 | 1.0 | 1322 | 1 | — | — | — | 0.450 | 15.3 | — | 2.17 | — | 13.57 | 14.70 |
| 28.0 | 1.0 | 1330 | 1 | — | — | — | 0.390 | 13.0 | — | 2.24 | — | 13.31 | 14.60 |
| 29.0 | 1.0 | 1340 | 1 | — | — | — | 0.490 | 16.8 | — | 2.05 | — | 13.52 | 15.20 |
| 30.0 | 1.0 | 1355 | 1 | — | — | — | 0.520 | 17.9 | — | 2.77 | — | 12.82 | 15.00 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 9 | 0.93 | -1.684 | 37.732 | 1.338 |
| EXCOF vs NEPHELOMETRY | 5 | 0.96 | 1.082 | 2.313 | 0.358 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | 0.055 | 1.005 | 0.033 |

LOCATION: SOUTH BAY CHANNEL
DATE: 22 APRIL 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 830 | -1 | --- | --- | --- | 0.488 | 14.8 | 2.58 | 2.16 | --- | 13.40 | --- |
| 32.0 | 2.0 | 822 | -1 | 15.8 | 4.1 | 0.79 | 0.461 | 14.0 | --- | 1.66 | 14.63 | 14.00 | --- |
| 32.0 | 5.0 | 818 | 0 | --- | --- | --- | 0.405 | 12.3 | --- | 1.51 | --- | 15.30 | --- |
| 32.0 | 10.0 | 811 | 0 | 13.9 | 7.5 | 0.65 | 0.415 | 12.6 | --- | 2.74 | 16.33 | 16.07 | --- |
| 31.0 | 1.0 | 848 | -1 | --- | --- | --- | 0.578 | 17.5 | --- | 1.44 | --- | 15.00 | 14.20 |
| 30.0 | 0.0 | 934 | -1 | --- | --- | --- | 0.565 | 17.1 | 1.55 | 1.39 | --- | 15.79 | --- |
| 30.0 | 1.0 | 937 | -1 | --- | --- | --- | 0.588 | 17.8 | --- | 1.37 | --- | 15.81 | 14.20 |
| 30.0 | 2.0 | 928 | -1 | 15.4 | 6.5 | 0.70 | 0.470 | 14.3 | --- | 1.45 | 15.93 | 15.99 | --- |
| 30.0 | 5.0 | 923 | -1 | --- | --- | --- | 0.394 | 12.0 | --- | 1.45 | --- | 16.96 | --- |
| 30.0 | 10.0 | 917 | -1 | --- | --- | --- | 0.403 | 12.3 | --- | 1.79 | --- | 17.08 | --- |
| 30.0 | 12.0 | 910 | -1 | 12.6 | 6.5 | 0.66 | 0.397 | 12.1 | --- | 1.82 | 16.91 | 17.13 | --- |
| 29.0 | 1.0 | 958 | -1 | --- | --- | --- | 0.606 | 18.4 | --- | 1.30 | --- | 16.27 | 14.20 |
| 28.0 | 1.0 | 1008 | -1 | --- | --- | --- | 0.566 | 17.2 | --- | 1.18 | --- | 16.80 | 14.20 |
| 27.0 | 0.0 | 1042 | -1 | --- | --- | --- | 0.690 | 20.9 | 1.27 | 1.89 | --- | 16.78 | --- |
| 27.0 | 1.0 | 1045 | -1 | --- | --- | --- | 0.688 | 20.8 | --- | 1.92 | --- | 16.52 | 14.30 |
| 27.0 | 2.0 | 1037 | -1 | 16.7 | 6.1 | 0.73 | 0.626 | 19.0 | --- | 1.91 | 16.81 | 16.83 | --- |
| 27.0 | 5.0 | 1034 | -1 | --- | --- | --- | 0.376 | 11.4 | --- | 1.94 | --- | 17.17 | --- |
| 27.0 | 10.0 | 1028 | -1 | 9.0 | 3.4 | 0.72 | 0.280 | 8.5 | --- | 1.31 | 18.75 | 19.27 | --- |
| 25.0 | 1.0 | 1107 | -1 | --- | --- | --- | 0.454 | 13.8 | --- | 1.13 | --- | 17.25 | 14.10 |
| 24.0 | 0.0 | 1140 | -1 | --- | --- | --- | 0.418 | 12.7 | 1.08 | 1.08 | --- | 17.12 | --- |
| 24.0 | 1.0 | 1142 | -1 | --- | --- | --- | 0.421 | 12.8 | --- | 1.07 | --- | 17.30 | 14.20 |
| 24.0 | 2.0 | 1133 | -1 | 12.4 | 2.4 | 0.84 | 0.425 | 12.9 | --- | 1.09 | 17.13 | 17.13 | --- |
| 24.0 | 5.0 | 1129 | -1 | --- | --- | --- | 0.163 | 5.0 | --- | 1.16 | --- | 20.96 | --- |
| 24.0 | 9.0 | 1125 | -1 | 4.5 | 3.7 | 0.55 | 0.171 | 5.3 | --- | 1.93 | 22.00 | 23.10 | --- |
| 23.0 | 1.0 | 1153 | -1 | --- | --- | --- | 0.412 | 12.5 | --- | 1.13 | --- | 17.36 | 14.20 |
| 22.0 | 1.0 | 1204 | -1 | --- | --- | --- | 0.223 | 6.8 | --- | 1.07 | --- | 18.88 | 13.80 |
| 21.0 | 0.0 | 1239 | -1 | --- | --- | --- | 0.250 | 7.6 | 1.08 | 1.04 | --- | 18.20 | --- |
| 21.0 | 1.0 | 1245 | -1 | --- | --- | --- | 0.280 | 8.5 | --- | 1.07 | --- | 18.19 | 13.90 |
| 21.0 | 2.0 | 1234 | -1 | 6.0 | 2.0 | 0.75 | 0.262 | 8.0 | --- | 1.04 | 17.86 | 18.26 | --- |
| 21.0 | 5.0 | 1229 | -1 | --- | --- | --- | 0.215 | 6.6 | --- | 1.68 | --- | 20.96 | --- |
| 21.0 | 10.0 | 1224 | -1 | --- | --- | --- | 0.231 | 7.1 | --- | 2.91 | --- | 26.16 | --- |
| 21.0 | 15.0 | 1218 | -1 | 7.7 | 7.2 | 0.52 | 0.250 | 7.6 | --- | 2.86 | 25.73 | 24.29 | --- |
| 22.0 | 1.0 | 1303 | -1 | --- | --- | --- | 0.249 | 7.6 | --- | 1.11 | --- | 18.66 | 14.00 |
| 23.0 | 1.0 | 1318 | -1 | --- | --- | --- | 0.298 | 9.1 | --- | 1.27 | --- | 19.33 | 14.10 |
| 24.0 | 1.0 | 1330 | -1 | --- | --- | --- | 0.502 | 15.2 | --- | 1.21 | --- | 18.11 | 14.20 |
| 25.0 | 1.0 | 1346 | -1 | --- | --- | --- | 0.424 | 12.9 | --- | 2.05 | --- | 18.31 | 14.10 |
| 26.0 | 1.0 | 1403 | -1 | --- | --- | --- | 0.474 | 14.4 | --- | 2.05 | --- | 17.05 | 14.20 |
| 27.0 | 1.0 | 1413 | -1 | --- | --- | --- | 0.624 | 18.9 | --- | 2.12 | --- | 15.56 | 14.50 |
| 28.0 | 1.0 | 1424 | -1 | --- | --- | --- | 0.573 | 17.4 | --- | 3.01 | --- | 15.15 | 14.40 |
| 29.0 | 1.0 | 1443 | -1 | --- | --- | --- | 0.561 | 17.0 | --- | 2.67 | --- | 13.50 | 14.60 |
| 30.0 | 1.0 | 1454 | -1 | --- | --- | --- | 0.543 | 16.5 | --- | 3.24 | --- | 12.58 | 14.60 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 11 | 0.90 | 0.117 | 30.119 | 1.378 |
| EXCOF vs NEPHELOMETRY | 5 | 0.63 | 0.794 | 2.138 | 0.440 |
| SALINITY vs DISCR SALINITY | 10 | 0.96 | -3.925 | 1.254 | 0.727 |

LOCATION: SOUTH BAY CHANNEL
DATE: 28 APRIL 1983

| STATH NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 29.0 | 1.0 | 747 | -1 | --- | --- | --- | 0.507 | 17.8 | --- | 3.47 | --- | 16.08 | 14.20 |
| 28.0 | 1.0 | 756 | -1 | --- | --- | --- | 0.409 | 13.2 | --- | 3.49 | --- | 16.74 | 14.20 |
| 27.0 | 1.0 | 808 | -1 | --- | --- | --- | 0.413 | 13.4 | --- | 3.82 | --- | 17.23 | 14.10 |
| 26.0 | 1.0 | 812 | -1 | --- | --- | --- | 0.382 | 12.0 | --- | 3.27 | --- | 17.43 | 14.10 |
| 23.0 | 1.0 | 857 | 0 | --- | --- | --- | 0.251 | 5.8 | --- | 3.30 | --- | 18.87 | 14.00 |
| 21.0 | 0.0 | 1000 | 1 | --- | --- | --- | 0.172 | 2.1 | 2.58 | 2.69 | --- | 16.48 | --- |
| 21.0 | 1.0 | 1005 | 1 | --- | --- | --- | 0.172 | 2.1 | --- | 2.72 | --- | 16.79 | 13.90 |
| 21.0 | 1.0 | 1008 | 1 | --- | --- | --- | 0.174 | 2.2 | --- | 2.67 | 15.71 | 15.70 | 13.90 |
| 21.0 | 2.0 | 949 | 1 | 6.9 | 1.4 | 0.83 | 0.259 | 6.2 | --- | 2.42 | --- | 18.59 | --- |
| 21.0 | 5.0 | 944 | 1 | --- | --- | --- | 0.199 | 3.4 | --- | 2.56 | --- | 19.42 | --- |
| 21.0 | 10.0 | 938 | 1 | 4.7 | 5.8 | 0.45 | 0.222 | 4.4 | --- | 3.54 | --- | 19.81 | --- |
| 21.0 | 15.0 | 930 | 0 | --- | --- | --- | 0.206 | 3.7 | --- | 3.21 | 19.82 | 19.75 | --- |
| 22.0 | 1.0 | 1020 | 1 | --- | --- | --- | 0.253 | 5.9 | --- | 2.47 | --- | 18.75 | 14.00 |
| 23.0 | 1.0 | 1032 | 1 | --- | --- | --- | 0.348 | 10.4 | --- | 2.59 | --- | 18.08 | 14.10 |
| 24.0 | 0.0 | 1105 | 1 | --- | --- | --- | 0.268 | 6.6 | 2.22 | 2.32 | --- | 18.97 | --- |
| 24.0 | 2.0 | 1100 | 1 | 5.7 | 3.9 | 0.60 | 0.236 | 5.1 | --- | 2.88 | 18.97 | 19.06 | --- |
| 24.0 | 8.0 | 1052 | 1 | 5.1 | 21.1 | 0.19 | 0.308 | 8.5 | --- | 7.66 | --- | 19.10 | --- |
| 25.0 | 1.0 | 1122 | 1 | --- | --- | --- | 0.271 | 6.7 | --- | 4.21 | --- | 18.77 | 14.00 |
| 26.0 | 1.0 | 1135 | 1 | --- | --- | --- | 0.335 | 9.7 | --- | 2.87 | --- | 18.58 | 14.10 |
| 27.0 | 1.0 | 1142 | 1 | --- | --- | --- | 0.376 | 11.7 | 3.13 | 3.83 | --- | 18.18 | 14.10 |
| 27.0 | 2.0 | 1200 | 1 | 12.2 | 4.6 | 0.73 | 0.356 | 10.7 | --- | 3.16 | --- | 18.26 | --- |
| 27.0 | 10.0 | 1152 | 1 | 11.3 | 6.8 | 0.63 | 0.372 | 11.5 | --- | 4.01 | --- | 18.19 | --- |
| 28.0 | 1.0 | 1215 | 1 | --- | --- | --- | 0.378 | 11.8 | --- | 3.37 | --- | 17.77 | 14.10 |
| 29.0 | 1.0 | 1225 | 1 | --- | --- | --- | 0.385 | 12.1 | --- | 3.01 | --- | 17.30 | 14.20 |
| 30.0 | 1.0 | 1240 | 1 | --- | --- | --- | 0.445 | 14.9 | 4.03 | 3.42 | --- | 17.08 | 14.20 |
| 30.0 | 2.0 | 1302 | 1 | 15.6 | 9.9 | 0.61 | 0.443 | 14.8 | --- | 3.92 | --- | 17.28 | --- |
| 30.0 | 10.0 | 1254 | 1 | 15.4 | 12.1 | 0.56 | 0.444 | 14.9 | --- | 4.17 | --- | 17.29 | --- |
| 31.0 | 1.0 | 1319 | 1 | --- | --- | --- | 0.465 | 15.9 | --- | 3.86 | --- | 16.93 | 14.40 |
| 32.0 | 0.0 | 1401 | 1 | --- | --- | --- | 0.576 | 21.1 | 4.03 | 3.74 | --- | 15.96 | --- |
| 32.0 | 1.0 | 1328 | 1 | --- | --- | --- | 0.548 | 19.8 | --- | 3.97 | --- | 15.93 | 14.40 |
| 32.0 | 2.0 | 1355 | 1 | 22.9 | 6.8 | 0.77 | 0.591 | 21.8 | --- | 3.86 | --- | 15.79 | --- |
| 32.0 | 5.0 | 1351 | 1 | --- | --- | --- | 0.473 | 16.2 | --- | 4.53 | --- | 16.66 | --- |
| 32.0 | 10.0 | 1344 | 1 | 17.9 | 23.6 | 0.43 | 0.548 | 19.8 | --- | 7.26 | --- | 16.66 | --- |
| 32.0 | 13.0 | 1337 | 1 | --- | --- | --- | 0.570 | 20.8 | --- | 8.44 | --- | 16.57 | --- |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.94 | -5.999 | 47.008 | 1.581 |
| EXCOF vs NEPHELOMETRY | 5 | 0.64 | 1.792 | 1.545 | 0.572 |
| SALINITY vs DISCR SALINITY | 3 | 1.00 | 0.212 | 0.990 | 0.106 |

LOCATION: South Bay Channel

DATE: 2 May 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 815 | -1 | — | — | — | 0.677 | 30.5 | 3.13 | 3.33 | 13.22 | 13.27 | — |
| 32.0 | 1.0 | 819 | -1 | — | — | — | 0.675 | 30.3 | — | 3.33 | — | 13.11 | 14.80 |
| 32.0 | 2.0 | 809 | -1 | 39.5 | 18.0 | 0.69 | 0.675 | 30.3 | — | 3.33 | — | 13.36 | — |
| 32.0 | 5.0 | 806 | -1 | — | — | — | 0.660 | 29.5 | — | 3.87 | — | 14.07 | — |
| 32.0 | 8.0 | 802 | -1 | 19.2 | 8.8 | 0.69 | 0.500 | 20.7 | — | 3.18 | 15.67 | 15.57 | — |
| 31.0 | 1.0 | 830 | -1 | — | — | — | 0.700 | 31.7 | — | 3.53 | — | 14.17 | 14.90 |
| 30.0 | 0.0 | 901 | -1 | — | — | — | 0.650 | 29.0 | 2.82 | 2.56 | — | 14.41 | — |
| 30.0 | 1.0 | 906 | -1 | — | — | — | 0.630 | 27.9 | — | 2.51 | — | 14.42 | 14.90 |
| 30.0 | 2.0 | 857 | -1 | 20.8 | 8.7 | 0.71 | 0.625 | 27.6 | — | 2.32 | — | 14.69 | — |
| 30.0 | 5.0 | 854 | -1 | — | — | — | 0.456 | 18.3 | — | 2.18 | — | 16.10 | — |
| 30.0 | 10.0 | 851 | -1 | — | — | — | 0.426 | 16.6 | — | 2.43 | — | 16.75 | — |
| 30.0 | 13.0 | 846 | -1 | 15.4 | 7.0 | 0.69 | 0.420 | 16.3 | — | 2.45 | — | 16.75 | — |
| 29.0 | 1.0 | 924 | -1 | — | — | — | 0.530 | 22.4 | — | 1.61 | — | 15.62 | 14.50 |
| 28.0 | 1.0 | 932 | -1 | — | — | — | 0.450 | 17.9 | — | 1.64 | — | 16.71 | 14.40 |
| 27.0 | 0.0 | 1001 | -1 | — | — | — | 0.423 | 16.5 | 1.76 | 1.56 | — | 17.24 | — |
| 27.0 | 1.0 | 1008 | -1 | — | — | — | 0.460 | 18.5 | — | 1.65 | — | 17.23 | 14.40 |
| 27.0 | 2.0 | 956 | -1 | 15.0 | 4.3 | 0.78 | 0.420 | 16.3 | — | 1.57 | — | 17.40 | — |
| 27.0 | 5.0 | 953 | -1 | — | — | — | 0.370 | 13.5 | — | 2.27 | — | 17.54 | — |
| 27.0 | 10.0 | 947 | -1 | 11.7 | 11.7 | 0.50 | 0.390 | 14.6 | — | 3.27 | 17.55 | 17.58 | — |
| 26.0 | 1.0 | 1016 | -1 | — | — | — | 0.400 | 15.2 | — | 1.44 | — | 17.91 | 14.50 |
| 25.0 | 1.0 | 1028 | -1 | — | — | — | 0.440 | 17.4 | — | 1.63 | — | 18.23 | 14.60 |
| 24.0 | 0.0 | 1108 | -1 | — | — | — | 0.328 | 11.2 | 1.01 | 1.16 | — | 17.42 | — |
| 24.0 | 1.0 | 1115 | -1 | — | — | — | 0.340 | 11.9 | — | 1.21 | — | 17.54 | 14.50 |
| 24.0 | 2.0 | 1103 | -1 | 11.3 | 3.3 | 0.77 | 0.320 | 10.8 | — | 1.15 | — | 17.43 | — |
| 24.0 | 5.0 | 1058 | -1 | — | — | — | 0.297 | 9.5 | — | 1.19 | — | 17.53 | — |
| 24.0 | 9.0 | 1055 | -1 | 9.4 | 2.8 | 0.77 | 0.270 | 8.0 | — | 1.33 | — | 17.93 | — |
| 23.0 | 1.0 | 1125 | 0 | — | — | — | 0.260 | 7.5 | — | 1.16 | — | 17.56 | 14.30 |
| 21.0 | 0.0 | 1212 | 0 | — | — | — | 0.284 | 8.8 | 1.04 | 1.14 | — | 17.01 | — |
| 21.0 | 1.0 | 1220 | 0 | — | — | — | 0.320 | 10.8 | — | 1.12 | — | 17.15 | 14.20 |
| 21.0 | 2.0 | 1207 | 0 | 8.8 | 1.6 | 0.85 | 0.290 | 9.1 | — | 1.15 | — | 17.05 | — |
| 21.0 | 5.0 | 1204 | 0 | — | — | — | 0.255 | 7.2 | — | 1.26 | — | 17.33 | — |
| 21.0 | 10.0 | 1159 | 0 | — | — | — | 0.218 | 5.2 | — | 1.33 | 18.83 | 18.86 | — |
| 21.0 | 15.0 | 1155 | 0 | 4.3 | 3.8 | 0.53 | 0.153 | 1.6 | — | 2.45 | 22.91 | 22.91 | — |
| 22.0 | 1.0 | 1232 | 0 | — | — | — | 0.280 | 8.6 | — | 1.08 | — | 17.13 | 14.20 |
| 23.0 | 1.0 | 1245 | 0 | — | — | — | 0.320 | 10.8 | — | 1.12 | — | 17.73 | 14.50 |
| 24.0 | 1.0 | 1255 | 0 | — | — | — | 0.305 | 10.0 | — | 1.15 | — | 17.65 | 14.80 |
| 25.0 | 1.0 | 1305 | 1 | — | — | — | 0.440 | 17.4 | — | 1.17 | — | 17.76 | 14.80 |
| 26.0 | 1.0 | 1318 | 1 | — | — | — | 0.470 | 19.0 | — | 1.26 | — | 17.84 | 14.70 |
| 27.0 | 1.0 | 1328 | 1 | — | — | — | 0.460 | 18.5 | — | 1.40 | — | 17.07 | 14.60 |
| 28.0 | 1.0 | 1336 | 1 | — | — | — | 0.590 | 25.7 | — | 1.63 | — | 16.54 | 14.70 |
| 29.0 | 1.0 | 1346 | 1 | — | — | — | 0.600 | 26.2 | — | 2.05 | — | 15.99 | 14.80 |
| 30.0 | 1.0 | 1400 | 1 | — | — | — | 0.590 | 25.7 | — | 2.70 | — | 15.39 | 14.70 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.82 | -6.851 | 55.100 | 4.365 |
| EXCOF vs NEPHELOMETRY | 5 | 0.95 | 0.823 | 2.677 | 0.247 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | 0.092 | 1.004 | 0.070 |

LOCATION: SOUTH BAY CHANNEL

DATE: 6 MAY 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (90) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 819 | -1 | ---- | ---- | ---- | 1.016 | 43.0 | 2.38 | 2.45 | ---- | 12.88 | ---- |
| 32.0 | 2.0 | 814 | -1 | 40.1 | 9.7 | 0.81 | 0.994 | 42.0 | ---- | 2.51 | ---- | 13.19 | ---- |
| 32.0 | 5.0 | 809 | 0 | ---- | ---- | ---- | 0.785 | 33.0 | ---- | 2.16 | ---- | 15.41 | ---- |
| 32.0 | 8.0 | 804 | 0 | 27.2 | 6.8 | 0.80 | 0.601 | 25.0 | ---- | 2.35 | 16.11 | 15.93 | ---- |
| 31.0 | 1.0 | 833 | -1 | ---- | ---- | ---- | 1.013 | 42.9 | ---- | 2.39 | ---- | 14.33 | 15.00 |
| 30.0 | 0.0 | 918 | -1 | ---- | ---- | ---- | 1.038 | 44.0 | 1.76 | 1.58 | ---- | 15.57 | ---- |
| 30.0 | 2.0 | 913 | -1 | 40.1 | 5.9 | 0.87 | 0.905 | 38.2 | ---- | 1.63 | ---- | 15.67 | ---- |
| 30.0 | 5.0 | 906 | -1 | ---- | ---- | ---- | 0.578 | 24.0 | ---- | 1.40 | ---- | 16.50 | ---- |
| 30.0 | 10.0 | 901 | -1 | ---- | ---- | ---- | 0.292 | 11.6 | ---- | 1.36 | ---- | 19.10 | ---- |
| 30.0 | 12.0 | 855 | -1 | 11.5 | 4.9 | 0.70 | 0.267 | 10.5 | ---- | 1.46 | ---- | 19.35 | ---- |
| 29.0 | 1.0 | 942 | -1 | ---- | ---- | ---- | 0.854 | 36.0 | ---- | 1.23 | ---- | 16.41 | 14.80 |
| 28.0 | 1.0 | 951 | -1 | ---- | ---- | ---- | 0.728 | 30.5 | ---- | 1.12 | ---- | 16.48 | 14.80 |
| 27.0 | 0.0 | 1025 | -1 | ---- | ---- | ---- | 0.434 | 17.8 | 1.13 | 1.09 | ---- | 16.44 | ---- |
| 27.0 | 2.0 | 1018 | -1 | 16.9 | 3.6 | 0.82 | 0.444 | 18.2 | ---- | 1.10 | ---- | 16.45 | ---- |
| 27.0 | 5.0 | 1013 | -1 | ---- | ---- | ---- | 0.367 | 14.8 | ---- | 1.13 | ---- | 16.56 | ---- |
| 27.0 | 10.0 | 1008 | -1 | 12.8 | 5.6 | 0.70 | 0.312 | 12.5 | ---- | 1.14 | 18.16 | 18.27 | ---- |
| 26.0 | 1.0 | 1037 | -1 | ---- | ---- | ---- | 0.630 | 26.3 | ---- | 1.05 | ---- | 16.31 | 14.70 |
| 25.0 | 1.0 | 1050 | -1 | ---- | ---- | ---- | 0.772 | 32.4 | ---- | 1.06 | ---- | 16.26 | 14.70 |
| 24.0 | 0.0 | 1131 | -1 | ---- | ---- | ---- | 0.327 | 13.1 | 0.97 | 1.01 | ---- | 14.74 | 14.60 |
| 24.0 | 2.0 | 1124 | -1 | 9.2 | 4.1 | 0.69 | 0.287 | 11.4 | ---- | 1.03 | 14.48 | 14.55 | ---- |
| 24.0 | 5.0 | 1119 | -1 | ---- | ---- | ---- | 0.217 | 8.3 | ---- | 1.01 | ---- | 16.71 | ---- |
| 24.0 | 8.0 | 1113 | -1 | 4.6 | 1.7 | 0.73 | 0.122 | 4.2 | ---- | 1.10 | ---- | 23.17 | ---- |
| 23.0 | 1.0 | 1148 | -1 | ---- | ---- | ---- | 0.470 | 19.3 | ---- | 1.04 | ---- | 14.56 | 14.40 |
| 22.0 | 1.0 | 1200 | -1 | ---- | ---- | ---- | 0.476 | 19.6 | ---- | 1.05 | ---- | 14.75 | 14.40 |
| 21.0 | 0.0 | 1244 | -1 | ---- | ---- | ---- | 0.512 | 21.1 | 0.95 | 1.05 | ---- | 14.09 | ---- |
| 21.0 | 2.0 | 1239 | -1 | 23.0 | 1.7 | 0.93 | 0.565 | 23.4 | ---- | 1.04 | ---- | 14.51 | ---- |
| 21.0 | 5.0 | 1234 | -1 | ---- | ---- | ---- | 0.335 | 13.5 | ---- | 1.11 | ---- | 15.71 | ---- |
| 21.0 | 10.0 | 1228 | -1 | ---- | ---- | ---- | 0.116 | 4.0 | ---- | 1.05 | 22.48 | 22.51 | ---- |
| 21.0 | 15.0 | 1219 | -1 | 3.9 | 2.9 | 0.57 | 0.113 | 3.8 | ---- | 1.91 | 26.95 | 26.92 | ---- |
| 22.0 | 1.0 | 1303 | -1 | ---- | ---- | ---- | 0.373 | 15.1 | ---- | 1.11 | ---- | 14.57 | 14.90 |
| 23.0 | 1.0 | 1315 | -1 | ---- | ---- | ---- | 0.370 | 15.0 | ---- | 1.11 | ---- | 14.64 | 14.80 |
| 24.0 | 1.0 | 1328 | -1 | ---- | ---- | ---- | 0.790 | 33.2 | ---- | 1.19 | ---- | 16.02 | 15.50 |
| 25.0 | 1.0 | 1341 | -1 | ---- | ---- | ---- | 0.570 | 23.6 | ---- | 1.25 | ---- | 16.55 | 15.10 |
| 26.0 | 1.0 | 1355 | -1 | ---- | ---- | ---- | 0.950 | 40.1 | ---- | 1.32 | ---- | 16.48 | 15.40 |
| 27.0 | 1.0 | 1406 | -1 | ---- | ---- | ---- | 0.854 | 36.0 | ---- | 1.47 | ---- | 16.39 | 14.90 |
| 28.0 | 1.0 | 1416 | -1 | ---- | ---- | ---- | 1.035 | 43.8 | ---- | 1.69 | ---- | 15.66 | 14.80 |
| 29.0 | 1.0 | 1430 | -1 | ---- | ---- | ---- | 1.171 | 49.7 | ---- | 2.15 | ---- | 15.04 | 15.20 |
| 30.0 | 1.0 | 1445 | -1 | ---- | ---- | ---- | 1.297 | 55.2 | ---- | 2.81 | ---- | 13.54 | 15.80 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.99 | -1.087 | 43.407 | 1.599 |
| EXCOF vs NEPHELOMETRY | 5 | 0.97 | 0.714 | 3.813 | 0.131 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | 0.214 | 1.002 | 0.132 |

LOCATION: SOUTH BAY CHANNEL

DATE: 10 May 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAE0 | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 726 | -1 | — | — | — | 1.203 | 58.0 | — | 4.25 | — | 13.47 | 15.00 |
| 29.0 | 1.0 | 746 | -1 | — | — | — | 1.301 | 63.3 | — | 3.66 | — | 14.88 | 15.40 |
| 28.0 | 1.0 | 757 | -1 | — | — | — | 1.095 | 52.2 | — | 2.93 | — | 15.18 | 15.30 |
| 27.0 | 1.0 | 808 | -1 | — | — | — | 1.108 | 52.9 | — | 2.70 | — | 14.98 | 15.30 |
| 26.0 | 1.0 | 822 | -1 | — | — | — | 0.889 | 41.0 | — | 2.90 | — | 15.78 | 15.00 |
| 25.0 | 1.0 | 836 | -1 | — | — | — | 0.775 | 34.8 | — | 2.99 | — | 16.49 | 14.90 |
| 24.0 | 1.0 | 849 | -1 | — | — | — | 0.769 | 34.5 | — | 1.54 | — | 16.29 | 14.90 |
| 23.0 | 1.0 | 903 | -1 | — | — | — | 0.782 | 35.2 | — | 1.54 | — | 16.08 | 14.90 |
| 22.0 | 1.0 | 919 | -1 | — | — | — | 0.201 | 3.7 | — | 1.34 | — | 15.98 | 14.30 |
| 21.0 | 0.0 | 1005 | -1 | — | — | — | 0.195 | 3.4 | 1.76 | 1.77 | — | 16.46 | — |
| 21.0 | 2.0 | 959 | -1 | 7.8 | 1.2 | 0.86 | 0.232 | 5.4 | — | 1.53 | 16.95 | 16.95 | — |
| 21.0 | 5.0 | 954 | -1 | — | — | — | 0.268 | 7.3 | — | 1.38 | — | 17.07 | — |
| 21.0 | 10.0 | 949 | -1 | — | — | — | 0.135 | 0.1 | — | 1.34 | — | 18.82 | — |
| 21.0 | 15.0 | 939 | -1 | 4.4 | 7.1 | 0.38 | 0.175 | 2.3 | — | 3.17 | 21.87 | 21.86 | — |
| 22.0 | 1.0 | 1023 | 0 | — | — | — | 0.174 | 2.2 | — | 1.47 | — | 14.88 | 14.30 |
| 23.0 | 1.0 | 1032 | 0 | — | — | — | 0.737 | 32.8 | — | 1.20 | — | 16.18 | 14.50 |
| 24.0 | 0.0 | 1116 | 1 | — | — | — | 0.372 | 13.0 | 1.13 | 1.02 | 15.96 | 15.98 | 14.80 |
| 24.0 | 2.0 | 1110 | 1 | 10.1 | 5.0 | 0.67 | 0.524 | 21.2 | — | 1.03 | — | 15.98 | 14.80 |
| 24.0 | 5.0 | 1106 | 1 | — | — | — | 0.452 | 17.3 | — | 1.06 | — | 16.18 | 14.17 |
| 24.0 | 10.0 | 1059 | 1 | — | — | — | 0.256 | 6.7 | — | 2.11 | 19.13 | 19.21 | 14.90 |
| 25.0 | 1.0 | 1153 | 1 | — | — | — | 0.831 | 37.9 | — | 1.32 | — | 16.18 | 15.40 |
| 26.0 | 1.0 | 1207 | 1 | — | — | — | 0.820 | 37.2 | — | 1.97 | — | 16.29 | 15.00 |
| 27.0 | 0.0 | 1242 | 0 | — | — | — | 0.759 | 34.0 | 1.85 | 2.01 | — | 15.96 | — |
| 27.0 | 2.0 | 1237 | 0 | 39.9 | 7.5 | 0.84 | 0.848 | 38.8 | — | 2.01 | 16.04 | 15.95 | — |
| 27.0 | 5.0 | 1232 | 0 | — | — | — | 0.782 | 35.2 | — | 2.29 | — | 16.01 | — |
| 27.0 | 10.0 | 1224 | 0 | 41.7 | 5.4 | 0.88 | 0.769 | 34.5 | — | 3.01 | 16.08 | 16.00 | — |
| 28.0 | 1.0 | 1300 | 0 | — | — | — | 0.994 | 46.7 | — | 2.46 | — | 15.68 | 15.30 |
| 29.0 | 1.0 | 1312 | 0 | — | — | — | 1.038 | 49.1 | — | 2.43 | — | 15.38 | 15.40 |
| 30.0 | 0.0 | 1354 | -1 | — | — | — | 1.263 | 61.3 | 3.51 | 3.47 | — | 14.67 | — |
| 30.0 | 2.0 | 1347 | -1 | 57.7 | 14.8 | 0.80 | 1.225 | 59.2 | — | 2.96 | 14.73 | 14.73 | — |
| 30.0 | 5.0 | 1342 | -1 | — | — | — | 0.962 | 45.0 | — | 2.41 | — | 15.13 | — |
| 30.0 | 10.0 | 1338 | -1 | — | — | — | 0.930 | 43.3 | — | 2.47 | — | 15.17 | — |
| 30.0 | 12.0 | 1334 | -1 | 47.0 | 9.8 | 0.83 | 0.911 | 42.2 | — | 2.44 | 15.26 | 15.18 | — |
| 31.0 | 1.0 | 1416 | -1 | — | — | — | 1.370 | 67.1 | — | 3.13 | — | 14.07 | 15.50 |
| 32.0 | 0.0 | 1443 | -1 | — | — | — | 1.437 | 70.7 | 4.76 | 4.75 | — | 13.47 | — |
| 32.0 | 2.0 | 1439 | -1 | 67.3 | 18.3 | 0.79 | 1.392 | 68.3 | — | 4.58 | 13.54 | 13.62 | — |
| 32.0 | 5.0 | 1434 | -1 | — | — | — | 1.215 | 58.7 | — | 3.42 | — | 13.99 | — |
| 32.0 | 10.0 | 1430 | -1 | 54.5 | 12.1 | 0.82 | 1.152 | 55.3 | — | 4.48 | 14.06 | 14.11 | — |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.95 | -7.221 | 54.255 | 5.269 |
| EXCOF vs NEPHELOMETRY | 5 | 1.00 | 0.683 | 2.965 | 0.112 |
| SALINITY vs DISCR SALINITY | 10 | 1.00 | 0.073 | 1.007 | 0.066 |

LOCATION: SOUTH BAY CHANNEL
DATE: 16 MAY 1983

| STATH NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 825 | -1 | --- | --- | --- | 0.660 | 29.2 | 4.76 | 4.68 | --- | 11.83 | --- |
| 32.0 | 1.0 | 806 | -1 | --- | --- | --- | 0.618 | 26.7 | --- | 5.18 | --- | 11.99 | 17.60 |
| 32.0 | 2.0 | 820 | -1 | 26.2 | 21.7 | 0.55 | 0.585 | 24.8 | --- | 5.92 | 11.98 | 12.01 | --- |
| 32.0 | 7.0 | 814 | -1 | 31.0 | 51.3 | 0.38 | 0.656 | 29.0 | --- | 9.85 | 12.62 | 12.64 | --- |
| 31.0 | 1.0 | 841 | -1 | --- | --- | --- | 0.634 | 27.7 | --- | 5.09 | --- | 12.54 | 17.50 |
| 30.0 | 0.0 | 910 | -1 | --- | --- | --- | 0.615 | 26.5 | 4.03 | 3.71 | --- | 12.52 | --- |
| 30.0 | 1.0 | 855 | -1 | --- | --- | --- | 0.546 | 22.4 | --- | 4.20 | --- | 12.86 | 17.50 |
| 30.0 | 2.0 | 907 | -1 | 22.4 | 13.8 | 0.62 | 0.537 | 21.9 | --- | 4.34 | --- | 12.70 | --- |
| 30.0 | 10.0 | 901 | -1 | 26.2 | 52.0 | 0.33 | 0.636 | 27.8 | --- | 9.70 | 13.20 | 13.17 | --- |
| 29.0 | 1.0 | 934 | -1 | --- | --- | --- | 0.477 | 18.3 | --- | 4.98 | --- | 13.73 | 17.20 |
| 28.0 | 1.0 | 943 | -1 | --- | --- | --- | 0.427 | 15.3 | --- | 4.61 | --- | 14.21 | 16.80 |
| 27.0 | 0.0 | 1010 | -1 | --- | --- | --- | 0.425 | 15.2 | 2.58 | 3.29 | --- | 14.65 | --- |
| 27.0 | 1.0 | 953 | -1 | --- | --- | --- | 0.433 | 15.7 | --- | 3.42 | --- | 14.53 | 16.60 |
| 27.0 | 2.0 | 1006 | -1 | 13.0 | 11.2 | 0.54 | 0.408 | 14.2 | --- | 3.50 | --- | 14.73 | --- |
| 27.0 | 9.0 | 1000 | -1 | 15.0 | 27.5 | 0.35 | 0.454 | 17.0 | --- | 5.71 | 15.04 | 15.01 | --- |
| 26.0 | 1.0 | 1028 | -1 | --- | --- | --- | 0.444 | 16.4 | --- | 3.25 | --- | 14.86 | 16.70 |
| 25.0 | 1.0 | 1041 | -1 | --- | --- | --- | 0.394 | 13.4 | --- | 2.92 | --- | 15.92 | 16.30 |
| 24.0 | 0.0 | 1112 | 0 | --- | --- | --- | 0.700 | 31.6 | 1.96 | 2.37 | --- | 17.11 | --- |
| 24.0 | 1.0 | 1055 | 0 | --- | --- | --- | 0.444 | 16.4 | --- | 2.37 | --- | 16.93 | 16.10 |
| 24.0 | 2.0 | 1107 | 0 | 11.5 | 6.1 | 0.65 | 0.393 | 13.3 | --- | 2.35 | --- | 17.15 | --- |
| 24.0 | 7.0 | 1102 | 0 | 9.6 | 5.0 | 0.66 | 0.322 | 9.1 | --- | 2.50 | 17.38 | 17.41 | --- |
| 23.0 | 1.0 | 1130 | 0 | --- | --- | --- | 0.328 | 9.4 | --- | 2.39 | --- | 17.32 | 15.80 |
| 22.0 | 1.0 | 1144 | 1 | --- | --- | --- | 0.386 | 12.9 | --- | 2.32 | --- | 17.26 | 15.70 |
| 21.0 | 0.0 | 1233 | 1 | --- | --- | --- | 0.217 | 2.8 | 3.13 | 2.41 | --- | 15.46 | --- |
| 21.0 | 2.0 | 1228 | 1 | 3.6 | 1.7 | 0.67 | 0.221 | 3.1 | --- | 2.37 | 15.87 | 15.84 | --- |
| 21.0 | 5.0 | 1222 | 1 | --- | --- | --- | 0.243 | 4.4 | --- | 2.30 | --- | 16.84 | --- |
| 21.0 | 10.0 | 1217 | 1 | 7.0 | 3.0 | 0.70 | 0.259 | 5.3 | --- | 2.31 | 18.82 | 18.82 | --- |
| 21.0 | 13.0 | 1206 | 1 | --- | --- | --- | 0.269 | 5.9 | --- | 2.34 | 19.21 | 19.22 | --- |
| 22.0 | 1.0 | 1251 | 1 | --- | --- | --- | 0.181 | 0.7 | --- | 2.44 | --- | 12.26 | 15.70 |
| 23.0 | 1.0 | 1303 | 1 | --- | --- | --- | 0.278 | 6.5 | --- | 2.22 | --- | 17.48 | 15.80 |
| 24.0 | 1.0 | 1311 | 1 | --- | --- | --- | 0.250 | 4.8 | --- | 2.31 | --- | 17.38 | 15.80 |
| 25.0 | 1.0 | 1321 | 1 | --- | --- | --- | 0.339 | 10.1 | --- | 3.46 | --- | 17.21 | 15.80 |
| 26.0 | 1.0 | 1333 | 1 | --- | --- | --- | 0.374 | 12.2 | --- | 2.92 | --- | 16.28 | 16.40 |
| 27.0 | 1.0 | 1341 | 1 | --- | --- | --- | 0.598 | 25.5 | --- | 2.56 | --- | 15.46 | 17.20 |
| 28.0 | 1.0 | 1348 | 1 | --- | --- | --- | 0.453 | 16.9 | --- | 2.61 | --- | 15.10 | 16.90 |
| 29.0 | 1.0 | 1357 | 1 | --- | --- | --- | 0.369 | 11.9 | --- | 2.87 | --- | 15.01 | 16.50 |
| 30.0 | 1.0 | 1411 | 1 | --- | --- | --- | 0.450 | 16.7 | --- | 2.65 | --- | 14.28 | 17.30 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|---------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.97 | -10.082 | 59.543 | 1.607 |
| EXCOF vs NEPHELOMETRY | 5 | 0.74 | 1.778 | 1.638 | 0.657 |
| SALINITY vs DISCR SALINITY | 8 | 1.00 | 0.083 | 1.002 | 0.027 |

LOCATION: SOUTH BAY CHANNEL
DATE: 19 MAY 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 1.0 | 815 | -1 | — | — | — | 0.281 | 8.6 | 3.13 | 3.29 | — | 13.66 | 17.90 |
| 32.0 | 2.0 | 808 | -1 | 7.1 | 7.2 | 0.50 | 0.280 | 8.6 | — | 3.28 | 14.16 | 14.29 | — |
| 32.0 | 7.0 | 802 | -1 | 6.5 | 11.1 | 0.37 | 0.261 | 7.8 | — | 5.57 | — | 14.96 | — |
| 31.0 | 1.0 | 828 | -1 | — | — | — | 0.316 | 10.0 | — | 3.14 | 14.20 | 14.07 | 17.80 |
| 30.0 | 0.0 | 857 | -1 | — | — | — | 0.275 | 8.4 | 2.82 | 2.60 | — | 14.63 | — |
| 30.0 | 1.0 | 839 | -1 | — | — | — | 0.305 | 9.6 | — | 2.30 | — | 14.89 | 17.70 |
| 30.0 | 2.0 | 852 | -1 | 7.4 | 4.4 | 0.63 | 0.256 | 7.6 | — | 2.23 | 14.80 | 14.83 | — |
| 30.0 | 13.0 | 844 | -1 | 4.3 | 7.0 | 0.38 | 0.210 | 5.8 | — | 2.54 | — | 15.64 | — |
| 29.0 | 1.0 | 924 | -1 | — | — | — | 0.239 | 7.0 | — | 1.90 | 15.38 | 15.30 | 17.50 |
| 28.0 | 1.0 | 933 | -1 | — | — | — | 0.460 | 15.6 | — | 1.52 | 15.89 | 15.81 | 17.50 |
| 27.0 | 0.0 | 1003 | -1 | — | — | — | 0.539 | 18.7 | 1.61 | 1.51 | — | 16.06 | — |
| 27.0 | 1.0 | 941 | -1 | — | — | — | 0.308 | 9.7 | — | 1.43 | — | 16.17 | 17.30 |
| 27.0 | 2.0 | 956 | -1 | 16.8 | 1.9 | 0.90 | 0.470 | 16.0 | — | 1.50 | 16.06 | 16.14 | — |
| 27.0 | 5.0 | 950 | -1 | — | — | — | 0.263 | 7.9 | — | 1.45 | — | 16.62 | — |
| 27.0 | 10.0 | 946 | -1 | 4.0 | 1.8 | 0.69 | 0.147 | 3.4 | — | 1.71 | — | 17.75 | — |
| 26.0 | 1.0 | 1023 | -1 | — | — | — | 0.341 | 11.0 | — | 1.45 | 16.11 | 16.09 | 17.20 |
| 25.0 | 1.0 | 1034 | -1 | — | — | — | 0.241 | 7.1 | — | 1.35 | 16.55 | 16.54 | 17.10 |
| 24.0 | 0.0 | 1109 | -1 | — | — | — | 0.434 | 14.6 | 1.13 | 1.18 | — | 16.57 | — |
| 24.0 | 1.0 | 1114 | -1 | — | — | — | 0.426 | 14.3 | — | 1.18 | — | 16.20 | 16.40 |
| 24.0 | 2.0 | 1102 | -1 | 11.6 | -0.3 | 1.02 | 0.318 | 10.1 | — | 1.25 | 16.76 | 16.81 | — |
| 24.0 | 5.0 | 1057 | -1 | — | — | — | 0.146 | 3.3 | — | 1.16 | — | 18.10 | — |
| 24.0 | 8.0 | 1053 | -1 | 2.9 | 1.1 | 0.73 | 0.101 | 1.6 | — | 1.41 | 20.50 | 20.56 | — |
| 23.0 | 1.0 | 1130 | -1 | — | — | — | 0.184 | 4.8 | — | 1.21 | 16.75 | 16.77 | 16.90 |
| 22.0 | 1.0 | 1142 | -1 | — | — | — | 0.133 | 2.8 | — | 1.12 | 17.05 | 17.03 | 16.00 |
| 21.0 | 0.0 | 1215 | -1 | — | — | — | 0.298 | 9.3 | 1.04 | 1.15 | — | 16.23 | — |
| 21.0 | 1.0 | 1149 | -1 | — | — | — | 0.198 | 5.4 | — | 1.13 | — | 16.78 | 16.10 |
| 21.0 | 2.0 | 1211 | -1 | 6.4 | 0.5 | 0.93 | 0.218 | 6.1 | — | 1.19 | 17.19 | 17.20 | — |
| 21.0 | 5.0 | 1207 | -1 | — | — | — | 0.232 | 6.7 | — | 1.66 | — | 18.04 | — |
| 21.0 | 10.0 | 1203 | -1 | 3.1 | 2.9 | 0.51 | 0.137 | 3.0 | — | 2.49 | — | 21.83 | — |
| 21.0 | 15.0 | 1201 | -1 | — | — | — | 0.117 | 2.2 | — | 3.25 | 25.81 | 25.77 | — |
| 23.0 | 1.0 | 1312 | -1 | — | — | — | 0.348 | 11.2 | — | 1.14 | — | 17.25 | 17.10 |
| 24.0 | 1.0 | 1322 | -1 | — | — | — | 0.308 | 9.7 | — | 1.29 | — | 17.35 | 17.10 |
| 25.0 | 1.0 | 1336 | -1 | — | — | — | 0.278 | 8.5 | — | 1.76 | — | 16.48 | 17.70 |
| 27.0 | 1.0 | 1401 | -1 | — | — | — | 0.237 | 6.9 | — | 2.78 | — | 15.05 | 17.70 |
| 29.0 | 1.0 | 1419 | -1 | — | — | — | 0.396 | 13.1 | — | 2.67 | — | 14.64 | 18.30 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.93 | -2.363 | 39.095 | 1.187 |
| EXCOF vs NEPHELOMETRY | 5 | 0.97 | 0.703 | 3.639 | 0.187 |
| SALINITY vs DISCR SALINITY | 14 | 1.00 | 0.121 | 1.012 | 0.074 |

LOCATION: South Bay Channel

DATE: 26 May 1983

| STATH NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 741 | -1 | ----- | ----- | ----- | 0.340 | 7.6 | ----- | 7.48 | ----- | 14.08 | 19.30 |
| 29.0 | 1.0 | 800 | -1 | ----- | ----- | ----- | 0.340 | 7.6 | ----- | 9.85 | ----- | 15.02 | 19.00 |
| 28.0 | 1.0 | 808 | -1 | ----- | ----- | ----- | 0.209 | 4.0 | ----- | 4.22 | ----- | 15.70 | 18.70 |
| 27.0 | 1.0 | 818 | -1 | ----- | ----- | ----- | 0.187 | 3.4 | ----- | 3.24 | ----- | 16.04 | 18.40 |
| 26.0 | 1.0 | 827 | -1 | ----- | ----- | ----- | 0.168 | 2.9 | ----- | 2.72 | ----- | 16.09 | 18.40 |
| 25.0 | 1.0 | 842 | 0 | ----- | ----- | ----- | 0.168 | 2.9 | ----- | 1.82 | ----- | 17.74 | 17.50 |
| 24.0 | 1.0 | 855 | 0 | ----- | ----- | ----- | 0.209 | 4.0 | ----- | 1.59 | ----- | 19.32 | 16.70 |
| 23.0 | 1.0 | 908 | 1 | ----- | ----- | ----- | 0.152 | 2.5 | ----- | 1.94 | ----- | 18.83 | 17.10 |
| 22.0 | 1.0 | 925 | 1 | ----- | ----- | ----- | 0.152 | 2.5 | ----- | 1.68 | ----- | 19.62 | 16.50 |
| 21.0 | 0.0 | 1007 | 1 | ----- | ----- | ----- | 0.134 | 2.0 | 1.61 | 1.66 | ----- | 20.29 | ----- |
| 21.0 | 1.0 | 1010 | 1 | ----- | ----- | ----- | 0.142 | 2.2 | ----- | 1.63 | ----- | 20.54 | 15.80 |
| 21.0 | 2.0 | 1002 | 1 | 2.5 | 1.3 | 0.67 | 0.139 | 2.1 | ----- | 1.67 | 20.55 | 20.55 | ----- |
| 21.0 | 5.0 | 957 | 1 | ----- | ----- | ----- | 0.140 | 2.1 | ----- | 2.03 | ----- | 21.11 | ----- |
| 21.0 | 10.0 | 951 | 1 | ----- | ----- | ----- | 0.144 | 2.3 | ----- | 2.28 | ----- | 21.63 | ----- |
| 21.0 | 15.0 | 944 | 1 | 2.3 | 4.3 | 0.35 | 0.165 | 2.8 | ----- | 8.06 | 22.19 | 22.21 | ----- |
| 22.0 | 1.0 | 1023 | 1 | ----- | ----- | ----- | 0.146 | 2.3 | ----- | 1.66 | ----- | 19.48 | 15.80 |
| 23.0 | 1.0 | 1035 | 1 | ----- | ----- | ----- | 0.171 | 3.0 | ----- | 1.54 | ----- | 19.73 | 16.50 |
| 24.0 | 0.0 | 1105 | 1 | ----- | ----- | ----- | 0.190 | 3.5 | 1.49 | 1.56 | ----- | 19.48 | ----- |
| 24.0 | 1.0 | 1110 | 1 | ----- | ----- | ----- | 0.146 | 2.3 | ----- | 1.56 | ----- | 19.64 | 16.60 |
| 24.0 | 2.0 | 1100 | 1 | 2.9 | 1.4 | 0.68 | 0.133 | 2.0 | ----- | 1.79 | ----- | 20.14 | ----- |
| 24.0 | 5.0 | 1056 | 1 | ----- | ----- | ----- | 0.163 | 2.8 | ----- | 4.80 | ----- | 21.07 | ----- |
| 24.0 | 8.0 | 1051 | 1 | 2.9 | 7.2 | 0.29 | 0.180 | 3.2 | ----- | 6.06 | ----- | 21.04 | ----- |
| 25.0 | 1.0 | 1122 | 1 | ----- | ----- | ----- | 0.161 | 2.7 | ----- | 2.42 | ----- | 19.88 | 16.40 |
| 26.0 | 1.0 | 1133 | 1 | ----- | ----- | ----- | 0.174 | 3.1 | ----- | 2.11 | ----- | 18.67 | 17.00 |
| 27.0 | 0.0 | 1159 | 1 | ----- | ----- | ----- | 0.154 | 2.5 | 2.08 | 2.19 | ----- | 18.11 | ----- |
| 27.0 | 1.0 | 1203 | 1 | ----- | ----- | ----- | 0.165 | 2.8 | ----- | 2.39 | ----- | 18.08 | 17.40 |
| 27.0 | 2.0 | 1155 | 1 | 2.8 | 2.2 | 0.56 | 0.152 | 2.5 | ----- | 2.20 | ----- | 18.01 | ----- |
| 27.0 | 10.0 | 1149 | 1 | 2.5 | 3.8 | 0.39 | 0.165 | 2.8 | ----- | 2.58 | 17.99 | 17.94 | ----- |
| 28.0 | 1.0 | 1215 | 1 | ----- | ----- | ----- | 0.155 | 2.6 | ----- | 2.96 | ----- | 17.25 | 17.90 |
| 29.0 | 1.0 | 1225 | 1 | ----- | ----- | ----- | 0.177 | 3.2 | ----- | 3.09 | ----- | 16.93 | 18.10 |
| 30.0 | 0.0 | 1257 | 1 | ----- | ----- | ----- | 0.193 | 3.6 | 4.03 | 3.54 | ----- | 16.25 | ----- |
| 30.0 | 1.0 | 1300 | 1 | ----- | ----- | ----- | 0.187 | 3.4 | ----- | 3.39 | ----- | 15.90 | 18.40 |
| 30.0 | 2.0 | 1253 | 1 | 3.3 | 4.6 | 0.42 | 0.190 | 3.5 | ----- | 3.39 | 16.26 | 16.26 | ----- |
| 30.0 | 13.0 | 1248 | 1 | 2.5 | 7.0 | 0.26 | 0.190 | 3.5 | ----- | 5.95 | ----- | 16.30 | ----- |
| 31.0 | 1.0 | 1315 | 1 | ----- | ----- | ----- | 0.218 | 4.3 | ----- | 5.58 | ----- | 15.78 | 18.70 |
| 32.0 | 0.0 | 1341 | 1 | ----- | ----- | ----- | 0.255 | 5.3 | 4.76 | 5.02 | ----- | 15.11 | ----- |
| 32.0 | 1.0 | 1345 | 1 | ----- | ----- | ----- | 0.250 | 5.1 | ----- | 5.27 | ----- | 15.18 | 19.10 |
| 32.0 | 2.0 | 1338 | 1 | 6.8 | 6.5 | 0.51 | 0.265 | 5.5 | ----- | 4.82 | 14.81 | 14.84 | ----- |
| 32.0 | 10.0 | 1332 | 1 | 4.9 | 12.1 | 0.29 | 0.260 | 5.4 | ----- | 7.73 | ----- | 15.30 | ----- |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.75 | -1.662 | 27.195 | 0.768 |
| EXCOF vs NEPHELOMETRY | 5 | 0.96 | 1.064 | 2.376 | 0.329 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | 0.199 | 0.997 | 0.032 |

LOCATION: South Bay Channel
DATE: 3 June 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 900 | -1 | — | — | — | 0.145 | 2.6 | 2.58 | 2.62 | — | 15.22 | 18.00 |
| 32.0 | 2.0 | 854 | -1 | 1.1 | 2.0 | 0.36 | 0.128 | 1.9 | — | 2.37 | — | 15.85 | — |
| 32.0 | 5.0 | 850 | -1 | — | — | — | 0.114 | 1.5 | — | 2.11 | — | 16.86 | — |
| 32.0 | 9.0 | 844 | -1 | 0.9 | 2.1 | 0.30 | 0.109 | 1.3 | — | 2.62 | 17.56 | 17.48 | — |
| 31.0 | 1.0 | 915 | -1 | — | — | — | 0.158 | 3.0 | — | 2.32 | — | 15.57 | 18.00 |
| 30.0 | 0.0 | 955 | -1 | — | — | — | 0.196 | 4.3 | 2.22 | 2.11 | 15.27 | 15.40 | — |
| 30.0 | 2.0 | 949 | -1 | 2.2 | 1.8 | 0.55 | 0.156 | 2.9 | — | 2.09 | — | 15.53 | — |
| 30.0 | 5.0 | 943 | -1 | — | — | — | 0.127 | 1.9 | — | 1.85 | — | 16.19 | — |
| 30.0 | 10.0 | 938 | -1 | 0.7 | 1.8 | 0.29 | 0.103 | 1.1 | — | 2.01 | — | 18.55 | — |
| 29.0 | 1.0 | 1018 | -1 | — | — | — | 0.192 | 4.2 | — | 1.77 | — | 16.47 | 17.70 |
| 28.0 | 1.0 | 1027 | -1 | — | — | — | 0.203 | 4.5 | — | 1.59 | — | 17.25 | 17.60 |
| 27.0 | 0.0 | 1100 | -1 | — | — | — | 0.144 | 2.5 | 1.24 | 1.37 | — | 17.12 | — |
| 27.0 | 2.0 | 1056 | -1 | 2.0 | 1.0 | 0.67 | 0.145 | 2.5 | — | 1.40 | — | 17.56 | — |
| 27.0 | 5.0 | 1051 | -1 | — | — | — | 0.097 | 0.9 | — | 1.28 | — | 19.02 | — |
| 27.0 | 10.0 | 1047 | -1 | 0.6 | 1.0 | 0.36 | 0.078 | 0.2 | — | 1.28 | 22.10 | 21.95 | — |
| 26.0 | 1.0 | 1114 | -1 | — | — | — | 0.147 | 2.6 | — | 1.53 | — | 18.35 | 17.40 |
| 25.0 | 1.0 | 1127 | -1 | — | — | — | 0.225 | 5.3 | — | 1.31 | — | 18.40 | 17.10 |
| 24.0 | 0.0 | 1206 | -1 | — | — | — | 0.226 | 5.4 | 1.06 | 0.99 | — | 17.55 | — |
| 24.0 | 2.0 | 1158 | -1 | 6.8 | 2.1 | 0.76 | 0.225 | 5.3 | — | 1.01 | — | 17.52 | — |
| 24.0 | 5.0 | 1152 | -1 | — | — | — | 0.192 | 4.2 | — | 1.04 | — | 19.48 | — |
| 24.0 | 8.0 | 1148 | -1 | 1.3 | 0.8 | 0.62 | 0.087 | 0.5 | — | 1.04 | — | 22.87 | — |
| 23.0 | 1.0 | 1228 | -1 | — | — | — | 0.230 | 5.5 | — | 1.13 | — | 17.81 | 16.70 |
| 22.0 | 1.0 | 1240 | -1 | — | — | — | 0.250 | 6.2 | — | 1.16 | — | 18.32 | 17.20 |
| 21.0 | 0.0 | 1327 | 0 | — | — | — | 0.273 | 7.0 | — | 1.38 | — | 17.91 | — |
| 21.0 | 2.0 | 1323 | 0 | 5.4 | 2.0 | 0.73 | 0.245 | 6.0 | — | 1.26 | — | 18.46 | — |
| 21.0 | 5.0 | 1317 | 0 | — | — | — | 0.133 | 2.1 | — | 1.10 | — | 19.57 | — |
| 21.0 | 10.0 | 1309 | -1 | — | — | — | 0.093 | 0.7 | — | 1.25 | — | 24.42 | — |
| 21.0 | 15.0 | 1302 | -1 | 1.9 | 1.8 | 0.51 | 0.103 | 1.1 | — | 1.36 | 27.02 | 27.12 | — |
| 22.0 | 1.0 | 1342 | 0 | — | — | — | 0.330 | 8.9 | — | 1.31 | — | 18.14 | 17.60 |
| 23.0 | 1.0 | 1353 | 1 | — | — | — | 0.266 | 6.7 | — | 1.14 | — | 18.78 | 16.80 |
| 24.0 | 1.0 | 1403 | 1 | — | — | — | 0.287 | 7.5 | — | 1.11 | — | 18.04 | 17.10 |
| 25.0 | 1.0 | 1417 | 1 | — | — | — | 0.198 | 4.4 | — | 1.23 | — | 18.28 | 18.50 |
| 26.0 | 1.0 | 1433 | 1 | — | — | — | 0.203 | 4.5 | — | 1.46 | — | 17.43 | 18.10 |
| 27.0 | 1.0 | 1443 | 1 | — | — | — | 0.196 | 4.3 | — | 1.60 | — | 17.02 | 17.80 |
| 28.0 | 1.0 | 1451 | 1 | — | — | — | 0.155 | 2.9 | — | 1.73 | — | 16.73 | 17.80 |
| 30.0 | 1.0 | 1518 | 1 | — | — | — | 0.199 | 4.4 | — | 2.11 | — | 15.59 | 19.00 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.86 | -2.468 | 34.587 | 0.837 |
| EXCOF vs NEPHELOMETRY | 4 | 0.98 | 0.482 | 5.258 | 0.132 |
| SALINITY vs DISCR SALINITY | 4 | 1.00 | 0.511 | 1.009 | 0.161 |

LOCATION: SOUTH BAY CHANNEL
DATE: 8 JUNE 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 740 | 1 | ---- | ---- | ---- | 0.239 | 6.3 | ---- | 2.06 | ---- | 16.91 | 19.70 |
| 29.0 | 1.0 | 802 | 1 | ---- | ---- | ---- | 0.646 | 24.3 | ---- | 1.93 | ---- | 17.82 | 19.10 |
| 28.0 | 1.0 | 814 | 1 | ---- | ---- | ---- | 0.346 | 11.0 | ---- | 1.52 | ---- | 18.27 | 18.90 |
| 27.0 | 1.0 | 824 | 1 | ---- | ---- | ---- | 0.254 | 7.0 | ---- | 1.37 | ---- | 18.49 | 18.60 |
| 26.0 | 1.0 | 835 | 1 | ---- | ---- | ---- | 0.203 | 4.7 | ---- | 1.95 | ---- | 19.17 | 18.30 |
| 25.0 | 1.0 | 850 | 1 | ---- | ---- | ---- | 0.375 | 12.3 | ---- | 2.36 | ---- | 19.73 | 17.70 |
| 24.0 | 1.0 | 904 | 1 | ---- | ---- | ---- | 0.440 | 15.2 | ---- | 1.18 | ---- | 20.31 | 17.30 |
| 23.0 | 1.0 | 919 | 1 | ---- | ---- | ---- | 0.214 | 5.2 | ---- | 1.75 | ---- | 19.48 | 16.20 |
| 22.0 | 1.0 | 932 | 1 | ---- | ---- | ---- | 0.220 | 5.5 | ---- | 1.64 | ---- | 19.54 | 16.20 |
| 21.0 | 0.0 | 1028 | 1 | ---- | ---- | ---- | 0.194 | 4.3 | 1.55 | 2.05 | ---- | 19.78 | ---- |
| 21.0 | 1.0 | 946 | 1 | ---- | ---- | ---- | 0.194 | 4.3 | ---- | 2.22 | ---- | 20.29 | 15.80 |
| 21.0 | 2.0 | 1024 | 1 | 4.6 | 2.6 | 0.64 | 0.190 | 4.1 | ---- | 2.08 | ---- | 19.59 | ---- |
| 21.0 | 5.0 | 1019 | 1 | ---- | ---- | ---- | 0.176 | 3.5 | ---- | 2.31 | ---- | 20.77 | ---- |
| 21.0 | 10.0 | 1015 | 1 | 4.1 | 3.6 | 0.53 | 0.196 | 4.4 | ---- | 2.23 | 21.68 | 21.70 | ---- |
| 21.0 | 15.0 | 1005 | 1 | ---- | ---- | ---- | 0.221 | 5.5 | ---- | 2.88 | 24.38 | 24.38 | ---- |
| 22.0 | 1.0 | 1042 | 1 | ---- | ---- | ---- | 0.224 | 5.7 | ---- | 1.63 | ---- | 20.58 | 15.70 |
| 23.0 | 1.0 | 1055 | 1 | ---- | ---- | ---- | 0.211 | 5.1 | ---- | 1.60 | ---- | 19.06 | 16.20 |
| 24.0 | 0.0 | 1125 | 1 | ---- | ---- | ---- | 0.218 | 5.4 | 1.18 | 1.25 | ---- | 20.52 | ---- |
| 24.0 | 1.0 | 1105 | 1 | ---- | ---- | ---- | 0.239 | 6.3 | ---- | 1.33 | ---- | 20.30 | 16.30 |
| 24.0 | 2.0 | 1121 | 1 | 3.7 | 2.8 | 0.56 | 0.177 | 3.6 | ---- | 1.43 | ---- | 21.15 | ---- |
| 24.0 | 5.0 | 1115 | 1 | ---- | ---- | ---- | 0.176 | 3.5 | ---- | 1.75 | ---- | 21.91 | ---- |
| 24.0 | 9.0 | 1110 | 1 | 2.6 | 2.9 | 0.48 | 0.170 | 3.2 | ---- | 1.97 | ---- | 21.98 | ---- |
| 25.0 | 1.0 | 1142 | 1 | ---- | ---- | ---- | 0.494 | 17.6 | ---- | 1.07 | ---- | 20.08 | 17.30 |
| 26.0 | 1.0 | 1155 | 1 | ---- | ---- | ---- | 0.521 | 18.8 | ---- | 1.55 | ---- | 19.48 | 17.90 |
| 27.0 | 1.0 | 1205 | 1 | ---- | ---- | ---- | 0.508 | 18.2 | ---- | 1.42 | ---- | 19.22 | 18.40 |
| 27.0 | 2.0 | 1219 | 1 | 13.5 | 4.5 | 0.75 | 0.413 | 14.0 | 1.49 | 1.36 | 19.25 | 19.19 | ---- |
| 27.0 | 10.0 | 1212 | 1 | 7.4 | 2.8 | 0.73 | 0.261 | 7.3 | ---- | 1.43 | ---- | 19.42 | ---- |
| 25.0 | 0.0 | 1225 | 0 | ---- | ---- | ---- | 0.445 | 15.4 | ---- | 1.34 | ---- | 19.21 | ---- |
| 28.0 | 1.0 | 1240 | -1 | ---- | ---- | ---- | 0.490 | 17.4 | ---- | 1.33 | ---- | 18.83 | 19.10 |
| 29.0 | 1.0 | 1250 | -1 | ---- | ---- | ---- | 0.249 | 6.7 | ---- | 1.22 | ---- | 18.71 | 19.70 |
| 30.0 | 0.0 | 1337 | -1 | ---- | ---- | ---- | 0.376 | 12.4 | 1.76 | 1.70 | ---- | 17.93 | ---- |
| 30.0 | 1.0 | 1311 | -1 | ---- | ---- | ---- | 0.220 | 5.5 | ---- | 1.60 | ---- | 18.06 | 19.30 |
| 30.0 | 2.0 | 1332 | -1 | 8.4 | 3.1 | 0.73 | 0.246 | 6.6 | ---- | 1.63 | 17.98 | 17.99 | ---- |
| 30.0 | 10.0 | 1325 | -1 | 4.4 | 2.0 | 0.69 | 0.188 | 4.0 | ---- | 1.55 | ---- | 18.28 | ---- |
| 30.0 | 14.0 | 1319 | -1 | ---- | ---- | ---- | 0.178 | 3.6 | ---- | 1.49 | ---- | 18.39 | ---- |
| 31.0 | 1.0 | 1403 | -1 | ---- | ---- | ---- | 0.222 | 5.5 | ---- | 1.57 | ---- | 16.89 | 20.20 |
| 32.0 | 0.0 | 1429 | -1 | ---- | ---- | ---- | 0.432 | 14.9 | 2.58 | 2.20 | ---- | 16.35 | ---- |
| 32.0 | 1.0 | 1411 | -1 | ---- | ---- | ---- | 0.193 | 4.3 | ---- | 2.29 | ---- | 16.64 | 19.90 |
| 32.0 | 2.0 | 1425 | -1 | 8.0 | 3.6 | 0.69 | 0.283 | 8.3 | ---- | 2.19 | 16.42 | 16.45 | ---- |
| 32.0 | 10.0 | 1418 | -1 | 1.8 | 2.4 | 0.42 | 0.162 | 2.9 | ---- | 2.23 | ---- | 17.05 | ---- |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.95 | -4.286 | 44.298 | 0.856 |
| EXCOF vs NEPHELOMETRY | 5 | 0.62 | 0.368 | 4.877 | 0.376 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | 0.354 | 0.991 | 0.043 |

LOCATION: SOUTH BAY CHANNEL
DATE: 16 JUNE 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 722 | -1 | 2.5 | 3.6 | 0.41 | 0.049 | 2.1 | 3.51 | — | 16.63 | 16.56 | 20.16 |
| 32.0 | 2.0 | 728 | -1 | — | — | — | — | — | — | — | — | 16.77 | 20.10 |
| 32.0 | 5.0 | 730 | -1 | — | — | — | — | — | — | — | — | 16.72 | 20.10 |
| 32.0 | 9.0 | 734 | -1 | 1.8 | 6.1 | 0.23 | 0.054 | 2.2 | — | — | — | 16.72 | 20.16 |
| 31.0 | 0.0 | 738 | -1 | — | — | — | 0.040 | 1.8 | 2.58 | — | — | 17.19 | 20.03 |
| 30.0 | 0.0 | 745 | -1 | 1.3 | 1.9 | 0.41 | 0.031 | 1.6 | 2.38 | — | 17.36 | 17.51 | 19.86 |
| 30.0 | 10.0 | 747 | -1 | 1.1 | 2.0 | 0.35 | 0.031 | 1.6 | — | — | — | 18.01 | 19.54 |
| 29.0 | 0.0 | 802 | -1 | — | — | — | 0.035 | 1.7 | 1.76 | — | — | 18.02 | 19.58 |
| 28.0 | 0.0 | 807 | -1 | — | — | — | 0.029 | 1.5 | 1.61 | — | — | 18.49 | 19.54 |
| 24.0 | 5.0 | 814 | -1 | — | — | — | — | — | — | — | — | 20.07 | 16.93 |
| 27.0 | 0.0 | 815 | -1 | 1.9 | 0.6 | 0.76 | 0.029 | 1.5 | 1.39 | — | 18.83 | 18.90 | 19.24 |
| 27.0 | 5.0 | 820 | -1 | — | — | — | — | — | — | — | — | 19.47 | 18.45 |
| 27.0 | 10.0 | 817 | -1 | 1.0 | 1.2 | 0.45 | 0.024 | 1.4 | — | — | — | 19.59 | 17.85 |
| 26.0 | 0.0 | 828 | -1 | — | — | — | 0.035 | 1.7 | 1.39 | — | — | 18.87 | 19.03 |
| 25.0 | 0.0 | 834 | -1 | — | — | — | 0.031 | 1.6 | 1.96 | — | — | 19.87 | 17.73 |
| 24.0 | 0.0 | 840 | -1 | 1.6 | 1.1 | 0.59 | 0.027 | 1.5 | 2.08 | — | 20.20 | 19.92 | 16.93 |
| 24.0 | 10.0 | 843 | -1 | 1.1 | 3.5 | 0.25 | 0.037 | 1.8 | — | — | — | 21.15 | 16.05 |
| 23.0 | 0.0 | 855 | -1 | — | — | — | 0.018 | 1.2 | 1.18 | — | — | 19.58 | 17.06 |
| 22.0 | 0.0 | 901 | -1 | — | — | — | 0.024 | 1.4 | 1.18 | — | — | 19.37 | 16.61 |
| 21.0 | 0.0 | 906 | -1 | 2.8 | 1.1 | 0.72 | 0.035 | 1.7 | — | — | 19.69 | 19.70 | 17.69 |
| 21.0 | 5.0 | 907 | -1 | — | — | — | — | — | — | — | — | 20.15 | 16.60 |
| 21.0 | 10.0 | 909 | -1 | 1.9 | 2.4 | 0.45 | 0.034 | 1.7 | — | — | 21.61 | 21.72 | 15.97 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|-------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.20 | 0.709 | 28.357 | 0.581 |
| EXCOF vs NEPHELOMETRY | 0 | 0.00 | 0.000 | 0.000 | 0.000 |
| SALINITY vs DISCR SALINITY | 6 | 0.99 | 3.152 | 0.876 | 0.176 |

LOCATION: SB Channel and Station 160
DATE: 28 June 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEOD | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|-----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 919 | -1 | --- | --- | --- | 0.203 | 3.5 | 4.03 | 3.96 | --- | 16.15 | --- |
| 32.0 | 1.0 | 923 | -1 | --- | --- | --- | 0.206 | 3.6 | --- | 4.07 | --- | 16.17 | 19.70 |
| 32.0 | 2.0 | 916 | -1 | 4.0 | 4.0 | 0.49 | 0.203 | 3.5 | --- | 3.75 | --- | 16.17 | --- |
| 32.0 | 5.0 | 912 | -1 | --- | --- | --- | 0.184 | 3.2 | --- | 4.28 | --- | 16.48 | --- |
| 32.0 | 8.0 | 909 | -1 | 2.8 | 5.9 | 0.32 | 0.218 | 3.8 | --- | 5.56 | 16.91 | 16.87 | --- |
| 31.0 | 1.0 | 937 | -1 | --- | --- | --- | 0.184 | 3.2 | --- | 3.22 | --- | 16.95 | 19.70 |
| 30.0 | 0.0 | 1013 | 1 | --- | --- | --- | 0.168 | 2.9 | 2.82 | 3.04 | --- | 17.58 | --- |
| 30.0 | 1.0 | 1016 | 1 | --- | --- | --- | 0.165 | 2.8 | --- | 3.11 | --- | 17.60 | 19.70 |
| 30.0 | 2.0 | 1010 | 1 | 2.3 | 3.0 | 0.44 | 0.153 | 2.6 | --- | 3.28 | --- | 17.62 | --- |
| 30.0 | 5.0 | 1005 | 1 | --- | --- | --- | 0.149 | 2.6 | --- | 3.67 | --- | 17.91 | --- |
| 30.0 | 10.0 | 1000 | 1 | 2.3 | 2.8 | 0.46 | 0.152 | 2.6 | --- | 3.72 | --- | 17.86 | --- |
| 29.0 | 1.0 | 1040 | 1 | --- | --- | --- | 0.127 | 2.2 | --- | 2.55 | --- | 18.22 | 19.30 |
| 28.0 | 1.0 | 1051 | 1 | --- | --- | --- | 0.117 | 2.0 | --- | 2.11 | --- | 18.49 | 19.40 |
| 160.0 | 0.0 | 1125 | 1 | 3.6 | 5.6 | 0.39 | --- | --- | 4.76 | --- | 19.51 | --- | --- |
| 27.0 | 0.0 | 1155 | 1 | --- | --- | --- | 0.111 | 1.9 | 1.96 | 1.71 | --- | 18.39 | --- |
| 27.0 | 1.0 | 1159 | 1 | --- | --- | --- | 0.120 | 2.1 | --- | 1.71 | --- | 18.53 | 19.30 |
| 27.0 | 2.0 | 1148 | 1 | 1.8 | 1.3 | 0.57 | 0.104 | 1.8 | --- | 1.81 | --- | 18.67 | --- |
| 27.0 | 10.0 | 1140 | 1 | 1.3 | 2.8 | 0.31 | 0.104 | 1.8 | --- | 2.99 | 19.37 | 19.44 | --- |
| 26.0 | 1.0 | 1218 | 1 | --- | --- | --- | 0.111 | 1.9 | --- | 1.54 | --- | 19.10 | 18.90 |
| 25.0 | 1.0 | 1232 | 1 | --- | --- | --- | 0.089 | 1.5 | --- | 1.64 | --- | 21.27 | 17.40 |
| 24.0 | 0.0 | 1312 | 1 | --- | --- | --- | 0.123 | 2.1 | 1.35 | 1.37 | --- | 21.68 | --- |
| 24.0 | 1.0 | 1315 | 1 | --- | --- | --- | 0.120 | 2.1 | --- | 1.41 | --- | 21.46 | 17.10 |
| 24.0 | 2.0 | 1306 | 1 | 2.3 | 1.0 | 0.70 | 0.117 | 2.0 | --- | 1.35 | --- | 21.71 | --- |
| 24.0 | 5.0 | 1302 | 1 | --- | --- | --- | 0.095 | 1.6 | --- | 2.01 | --- | 23.36 | --- |
| 24.0 | 9.0 | 1256 | 1 | 1.4 | 4.5 | 0.24 | 0.111 | 1.9 | --- | 2.65 | 23.57 | 23.56 | --- |
| 23.0 | 1.0 | 1335 | 1 | --- | --- | --- | 0.146 | 2.5 | --- | 1.81 | --- | 18.44 | 16.60 |
| 22.0 | 1.0 | 1354 | 1 | --- | --- | --- | 0.136 | 2.3 | --- | 1.88 | --- | 19.76 | 16.30 |
| 21.0 | 0.0 | 1428 | 1 | --- | --- | --- | 0.142 | 2.4 | 1.85 | 1.74 | --- | 19.85 | --- |
| 21.0 | 1.0 | 1431 | 1 | --- | --- | --- | 0.146 | 2.5 | --- | 1.71 | --- | 19.94 | 16.80 |
| 21.0 | 2.0 | 1424 | 1 | 4.5 | 2.2 | 0.67 | 0.157 | 2.7 | --- | 1.85 | --- | 18.69 | --- |
| 21.0 | 5.0 | 1419 | 1 | --- | --- | --- | 0.152 | 2.6 | --- | 1.95 | --- | 20.34 | --- |
| 21.0 | 10.0 | 1416 | 1 | 2.7 | 3.1 | 0.47 | 0.155 | 2.7 | --- | 2.45 | --- | 22.98 | --- |
| 21.0 | 15.0 | 1412 | 1 | --- | --- | --- | 0.203 | 3.5 | --- | 3.53 | 24.77 | 24.71 | --- |
| 20.0 | 1.0 | 1458 | 1 | --- | --- | --- | 0.146 | 2.5 | --- | 1.68 | --- | 26.76 | 13.70 |
| 19.0 | 1.0 | 1641 | 1 | --- | --- | --- | 0.101 | 1.7 | 0.95 | 1.14 | 28.27 | 28.30 | 13.70 |
| 19.0 | 2.0 | 1620 | 1 | 2.4 | 1.9 | 0.56 | --- | --- | --- | --- | 28.29 | --- | --- |
| 19.0 | 30.0 | 1600 | 1 | 4.3 | 5.3 | 0.45 | --- | --- | --- | --- | 30.70 | --- | --- |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.46 | -0.049 | 17.498 | 0.792 |
| EXCOF vs NEPHELOMETRY | 6 | 0.97 | 0.769 | 3.363 | 0.201 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | 0.234 | 0.995 | 0.062 |

LOCATION: SOUTH BAY CHANNEL
DATE: 6 JULY 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 839 | 1 | ----- | ----- | ----- | 0.142 | 2.6 | 2.22 | 2.21 | ----- | 18.55 | ----- |
| 32.0 | 1.0 | 844 | 1 | ----- | ----- | ----- | 0.146 | 2.7 | ----- | 2.34 | ----- | 18.24 | 20.10 |
| 32.0 | 2.0 | 833 | 1 | 2.6 | 1.5 | 0.63 | 0.145 | 2.7 | ----- | 2.23 | ----- | 18.53 | ----- |
| 32.0 | 8.5 | 826 | 1 | 1.9 | 2.5 | 0.43 | 0.146 | 2.7 | ----- | 2.39 | 18.57 | 18.55 | ----- |
| 31.0 | 1.0 | 913 | 1 | ----- | ----- | ----- | 0.126 | 2.1 | ----- | 2.20 | ----- | 18.34 | 20.00 |
| 30.0 | 0.0 | 946 | 1 | ----- | ----- | ----- | 0.106 | 1.4 | 1.39 | 1.42 | ----- | 19.35 | ----- |
| 30.0 | 1.0 | 926 | 1 | ----- | ----- | ----- | 0.116 | 1.7 | ----- | 1.42 | ----- | 18.78 | 19.50 |
| 30.0 | 2.0 | 942 | 1 | 1.5 | 1.2 | 0.56 | 0.107 | 1.4 | ----- | 1.41 | ----- | 19.36 | ----- |
| 30.0 | 5.0 | 937 | 1 | ----- | ----- | ----- | 0.106 | 1.4 | ----- | 1.55 | ----- | 19.42 | ----- |
| 30.0 | 12.0 | 933 | 1 | 1.2 | 1.5 | 0.45 | 0.112 | 1.6 | ----- | 1.89 | ----- | 19.41 | ----- |
| 29.0 | 1.0 | 1016 | 1 | ----- | ----- | ----- | 0.099 | 1.2 | ----- | 1.20 | ----- | 20.13 | 18.90 |
| 28.0 | 1.0 | 1028 | 1 | ----- | ----- | ----- | 0.097 | 1.1 | ----- | 1.14 | ----- | 20.47 | 18.60 |
| 27.0 | 1.0 | 1040 | 1 | ----- | ----- | ----- | 0.121 | 1.9 | 0.95 | 0.98 | ----- | 21.00 | 18.20 |
| 27.0 | 2.0 | 1053 | 0 | 1.1 | 0.6 | 0.64 | 0.112 | 1.6 | ----- | 0.99 | ----- | 20.96 | ----- |
| 27.0 | 11.0 | 1049 | 0 | 1.4 | 0.9 | 0.60 | 0.116 | 1.7 | ----- | 1.02 | 21.14 | 21.22 | ----- |
| 26.0 | 1.0 | 1110 | 0 | ----- | ----- | ----- | 0.204 | 4.6 | ----- | 0.92 | ----- | 21.54 | 17.90 |
| 25.0 | 1.0 | 1126 | -1 | ----- | ----- | ----- | 0.258 | 6.3 | ----- | 0.92 | ----- | 22.21 | 17.30 |
| 24.0 | 0.0 | 1158 | -1 | ----- | ----- | ----- | 0.169 | 3.4 | 0.97 | 1.00 | ----- | 21.41 | ----- |
| 24.0 | 1.0 | 1138 | -1 | ----- | ----- | ----- | 0.181 | 3.8 | ----- | 1.00 | ----- | 21.53 | 16.80 |
| 24.0 | 2.0 | 1153 | -1 | 4.2 | 1.3 | 0.76 | 0.175 | 3.6 | ----- | 1.00 | ----- | 21.42 | ----- |
| 24.0 | 5.0 | 1149 | -1 | ----- | ----- | ----- | 0.173 | 3.6 | ----- | 0.99 | ----- | 21.74 | ----- |
| 24.0 | 9.0 | 1145 | -1 | 1.1 | 1.0 | 0.54 | 0.085 | 0.7 | ----- | 1.10 | 24.60 | 24.57 | ----- |
| 23.0 | 1.0 | 1215 | -1 | ----- | ----- | ----- | 0.150 | 2.8 | ----- | 1.09 | ----- | 21.65 | 16.60 |
| 22.0 | 1.0 | 1228 | -1 | ----- | ----- | ----- | 0.153 | 2.9 | ----- | 1.12 | ----- | 21.02 | 16.30 |
| 21.0 | 0.0 | 1309 | -1 | ----- | ----- | ----- | 0.149 | 2.8 | 1.18 | 1.09 | ----- | 20.19 | ----- |
| 21.0 | 1.0 | 1240 | -1 | ----- | ----- | ----- | 0.148 | 2.8 | ----- | 1.16 | ----- | 20.23 | 16.60 |
| 21.0 | 2.0 | 1304 | -1 | 3.5 | 1.6 | 0.69 | 0.152 | 2.9 | ----- | 1.04 | 20.18 | 20.16 | ----- |
| 21.0 | 5.0 | 1257 | -1 | ----- | ----- | ----- | 0.109 | 1.5 | ----- | 1.13 | ----- | 25.89 | ----- |
| 21.0 | 10.0 | 1252 | -1 | ----- | ----- | ----- | 0.112 | 1.6 | ----- | 1.14 | ----- | 25.92 | ----- |
| 21.0 | 15.0 | 1248 | -1 | 2.3 | 2.0 | 0.53 | 0.114 | 1.7 | ----- | 1.41 | 26.49 | 26.48 | ----- |
| 22.0 | 1.0 | 1325 | -1 | ----- | ----- | ----- | 0.157 | 3.0 | ----- | 1.09 | ----- | 20.91 | 16.70 |
| 23.0 | 1.0 | 1343 | -1 | ----- | ----- | ----- | 0.204 | 4.6 | ----- | 0.94 | ----- | 21.86 | 17.00 |
| 24.0 | 1.0 | 1356 | -1 | 6.6 | 1.0 | 0.86 | 0.272 | 6.7 | ----- | 0.94 | ----- | 21.27 | 17.30 |
| 25.0 | 1.0 | 1410 | -1 | ----- | ----- | ----- | 0.235 | 5.6 | ----- | 0.90 | ----- | 21.30 | 18.10 |
| 26.0 | 1.0 | 1429 | -1 | ----- | ----- | ----- | 0.145 | 2.7 | ----- | 0.97 | ----- | 20.19 | 18.60 |
| 27.0 | 1.0 | 1438 | -1 | ----- | ----- | ----- | 0.118 | 1.8 | ----- | 1.06 | ----- | 20.45 | 18.80 |
| 27.0 | 1.0 | 1447 | -1 | ----- | ----- | ----- | 0.115 | 1.7 | ----- | 1.16 | ----- | 20.06 | 19.10 |
| 29.0 | 1.0 | 1501 | -1 | ----- | ----- | ----- | 0.118 | 1.8 | ----- | 1.27 | ----- | 19.45 | 19.70 |
| 30.0 | 1.0 | 1520 | -1 | ----- | ----- | ----- | 0.136 | 2.4 | ----- | 1.68 | ----- | 18.95 | 20.60 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 11 | 0.92 | -1.980 | 32.047 | 0.517 |
| EXCOF vs NEPHELOMETRY | 5 | 0.99 | 0.615 | 3.089 | 0.058 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | -0.418 | 1.027 | 0.051 |

LOCATION: South Bay Channel
DATE: 13 July 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 837 | -1 | ----- | ----- | ----- | 0.130 | 2.0 | ----- | 3.04 | ----- | 19.58 | 21.20 |
| 29.0 | 1.0 | 855 | -1 | ----- | ----- | ----- | 0.123 | 1.8 | ----- | 4.06 | ----- | 19.82 | 20.70 |
| 28.0 | 1.0 | 904 | -1 | ----- | ----- | ----- | 0.108 | 1.4 | ----- | 3.04 | ----- | 20.11 | 20.30 |
| 27.0 | 1.0 | 913 | -1 | ----- | ----- | ----- | 0.101 | 1.2 | ----- | 2.76 | ----- | 20.44 | 20.20 |
| 26.0 | 1.0 | 921 | -1 | ----- | ----- | ----- | 0.098 | 1.1 | ----- | 2.06 | ----- | 20.90 | 20.00 |
| 25.0 | 1.0 | 937 | -1 | ----- | ----- | ----- | 0.101 | 1.2 | ----- | 1.77 | ----- | 21.50 | 19.70 |
| 24.0 | 1.0 | 945 | -1 | ----- | ----- | ----- | 0.111 | 1.5 | ----- | 1.39 | ----- | 22.33 | 18.70 |
| 23.0 | 1.0 | 956 | -1 | ----- | ----- | ----- | 0.098 | 1.1 | ----- | 1.59 | ----- | 22.38 | 18.20 |
| 22.0 | 1.0 | 1011 | -1 | ----- | ----- | ----- | 0.120 | 1.7 | ----- | 1.48 | ----- | 22.31 | 18.60 |
| 21.0 | 0.0 | 1051 | 1 | ----- | ----- | ----- | 0.098 | 1.1 | 1.49 | 1.50 | ----- | 22.54 | ----- |
| 21.0 | 2.0 | 1045 | 1 | 1.4 | 1.8 | 0.45 | 0.097 | 1.1 | ----- | 1.53 | ----- | 22.51 | ----- |
| 21.0 | 5.0 | 1039 | 1 | ----- | ----- | ----- | 0.085 | 0.8 | ----- | 1.59 | ----- | 23.03 | ----- |
| 21.0 | 10.0 | 1034 | 1 | ----- | ----- | ----- | 0.101 | 1.2 | ----- | 1.89 | ----- | 23.49 | ----- |
| 21.0 | 15.0 | 1031 | 1 | ----- | ----- | ----- | 0.104 | 1.3 | ----- | 2.12 | 23.63 | 23.71 | ----- |
| 22.0 | 1.0 | 1105 | 1 | ----- | ----- | ----- | 0.108 | 1.4 | ----- | 1.42 | ----- | 22.26 | 18.50 |
| 23.0 | 1.0 | 1118 | 1 | ----- | ----- | ----- | 0.108 | 1.4 | ----- | 1.45 | ----- | 21.60 | 19.40 |
| 24.0 | 0.0 | 1150 | 1 | ----- | ----- | ----- | 0.101 | 1.2 | 1.27 | 1.15 | ----- | 22.22 | ----- |
| 24.0 | 1.0 | 1154 | 1 | ----- | ----- | ----- | 0.130 | 2.0 | ----- | 1.24 | ----- | 21.92 | 19.00 |
| 24.0 | 2.0 | 1147 | 1 | 0.9 | 2.2 | 0.30 | 0.090 | 0.9 | ----- | 1.45 | ----- | 22.54 | ----- |
| 24.0 | 8.0 | 1137 | 1 | ----- | ----- | ----- | 0.092 | 0.9 | ----- | 2.24 | ----- | 22.72 | ----- |
| 25.0 | 1.0 | 1210 | 1 | ----- | ----- | ----- | 0.101 | 1.2 | ----- | 1.68 | 21.87 | 21.68 | 19.10 |
| 27.0 | 0.0 | 1251 | 1 | ----- | ----- | ----- | 0.092 | 0.9 | 2.08 | 2.06 | ----- | 20.91 | ----- |
| 27.0 | 1.0 | 1254 | 1 | ----- | ----- | ----- | 0.098 | 1.1 | ----- | 2.09 | ----- | 20.93 | 20.20 |
| 27.0 | 2.0 | 1247 | 1 | 1.0 | 1.8 | 0.37 | 0.090 | 0.9 | ----- | 1.86 | ----- | 20.88 | ----- |
| 27.0 | 10.0 | 1240 | 1 | 0.5 | 2.8 | 0.16 | 0.093 | 1.0 | ----- | 2.71 | ----- | 20.82 | ----- |
| 28.0 | 1.0 | 1307 | 1 | ----- | ----- | ----- | 0.111 | 1.5 | ----- | 1.80 | ----- | 20.56 | 20.50 |
| 29.0 | 1.0 | 1315 | 1 | ----- | ----- | ----- | 0.101 | 1.2 | ----- | 2.68 | ----- | 20.50 | 20.20 |
| 30.0 | 0.0 | 1350 | 1 | ----- | ----- | ----- | 0.104 | 1.3 | 2.58 | 2.95 | ----- | 20.26 | ----- |
| 30.0 | 2.0 | 1345 | 1 | 1.2 | 2.0 | 0.37 | 0.103 | 1.3 | ----- | 2.76 | 20.17 | 20.26 | ----- |
| 30.0 | 12.0 | 1338 | 1 | ----- | ----- | ----- | 0.114 | 1.6 | ----- | 4.25 | ----- | 20.21 | ----- |
| 31.0 | 1.0 | 1410 | 1 | ----- | ----- | ----- | 0.123 | 1.8 | ----- | 3.88 | ----- | 19.81 | 20.90 |
| 32.0 | 2.0 | 1432 | 1 | 1.9 | 3.1 | 0.38 | 0.127 | 1.9 | 4.03 | 3.79 | 19.44 | 19.46 | ----- |
| 32.0 | 7.0 | 1427 | 1 | ----- | ----- | ----- | 0.133 | 2.1 | ----- | 4.25 | ----- | 19.54 | ----- |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 6 | 0.68 | -1.614 | 27.896 | 0.300 |
| EXCOF vs NEPHELOMETRY | 5 | 0.96 | 0.623 | 2.939 | 0.266 |
| SALINITY vs DISCR SALINITY | 4 | 1.00 | -0.375 | 1.024 | 0.159 |

LOCATION: SOUTH BAY CHANNEL
DATE: 19 JULY 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 2.0 | 827 | 1 | 1.6 | 1.5 | 0.52 | 0.117 | 1.9 | 1.96 | 1.93 | — | 19.68 | 20.50 |
| 32.0 | 5.0 | 820 | 1 | 1.3 | 2.2 | 0.37 | 0.114 | 1.8 | — | 1.97 | — | 19.63 | 20.50 |
| 31.0 | 1.0 | 842 | 1 | — | — | — | 0.111 | 1.7 | — | 1.93 | — | 19.88 | 20.50 |
| 30.0 | 2.0 | 910 | 1 | 1.2 | 1.1 | 0.51 | 0.089 | 0.9 | 1.27 | 1.47 | 20.48 | 20.41 | 20.10 |
| 30.0 | 10.0 | 905 | 1 | 0.8 | 1.7 | 0.33 | 0.095 | 1.1 | — | 1.88 | — | 20.43 | 20.10 |
| 29.0 | 1.0 | 939 | 1 | — | — | — | 0.104 | 1.5 | — | 1.15 | — | 21.03 | 19.70 |
| 28.0 | 1.0 | 951 | 1 | — | — | — | 0.104 | 1.5 | — | 1.14 | — | 21.38 | 19.40 |
| 27.0 | 2.0 | 1017 | 1 | 1.9 | 0.4 | 0.81 | 0.117 | 1.9 | 0.87 | 0.99 | 22.14 | 21.89 | 19.10 |
| 27.0 | 10.0 | 1009 | 1 | 0.8 | 1.0 | 0.45 | 0.098 | 1.3 | — | 1.21 | — | 22.10 | 19.00 |
| 26.0 | 1.0 | 1032 | 1 | — | — | — | 0.117 | 1.9 | — | 1.04 | — | 21.34 | 18.40 |
| 25.0 | 1.0 | 1046 | 1 | — | — | — | 0.123 | 2.1 | — | 1.08 | — | 22.01 | 18.10 |
| 24.0 | 2.0 | 1120 | 1 | 2.0 | 1.1 | 0.65 | 0.107 | 1.6 | 1.21 | 1.24 | — | 21.80 | 17.00 |
| 24.0 | 5.0 | 1115 | 1 | — | — | — | 0.085 | 0.8 | — | 1.29 | — | 22.30 | 17.70 |
| 24.0 | 10.0 | 1109 | 1 | 0.6 | 1.2 | 0.34 | 0.073 | 0.4 | — | 1.53 | 23.07 | 23.00 | 17.90 |
| 23.0 | 1.0 | 1136 | 1 | — | — | — | 0.120 | 2.0 | — | 1.20 | — | 20.62 | 17.40 |
| 22.0 | 1.0 | 1150 | 1 | — | — | — | 0.146 | 2.9 | — | 1.19 | — | 20.54 | 17.50 |
| 21.0 | 0.0 | 1237 | 0 | — | — | — | 0.137 | 2.6 | 1.55 | 1.23 | 20.20 | 20.47 | 17.70 |
| 21.0 | 2.0 | 1230 | 0 | 3.4 | 1.4 | 0.70 | 0.150 | 3.0 | — | 1.27 | — | 20.74 | 17.70 |
| 21.0 | 5.0 | 1224 | 0 | — | — | — | 0.085 | 0.8 | — | 1.26 | — | 22.90 | 17.90 |
| 21.0 | 10.0 | 1220 | 0 | — | — | — | 0.081 | 0.7 | — | 1.26 | — | 23.99 | 17.70 |
| 21.0 | 15.0 | 1213 | 0 | 1.2 | 1.7 | 0.42 | 0.089 | 0.9 | — | 1.42 | 25.19 | 25.30 | 17.60 |
| 22.0 | 1.0 | 1300 | -1 | — | — | — | 0.098 | 1.3 | — | 1.17 | — | 22.66 | 17.50 |
| 23.0 | 1.0 | 1309 | -1 | — | — | — | 0.139 | 2.7 | — | 1.18 | — | 21.21 | 17.70 |
| 24.0 | 1.0 | 1319 | -1 | — | — | — | 0.152 | 3.1 | — | 1.15 | — | 21.31 | 18.10 |
| 25.0 | 1.0 | 1334 | -1 | — | — | — | 0.114 | 1.8 | — | 1.04 | — | 22.84 | 18.80 |
| 26.0 | 1.0 | 1349 | -1 | — | — | — | 0.139 | 2.7 | — | 1.01 | — | 22.42 | 19.50 |
| 27.0 | 1.0 | 1357 | -1 | — | — | — | 0.104 | 1.5 | — | 1.05 | — | 21.95 | 19.70 |
| 28.0 | 1.0 | 1410 | -1 | — | — | — | 0.130 | 2.3 | — | 1.10 | — | 21.34 | 20.50 |
| 29.0 | 1.0 | 1422 | -1 | — | — | — | 0.108 | 1.6 | — | 1.20 | — | 20.89 | 20.50 |
| 29.0 | 1.0 | 1441 | -1 | — | — | — | 0.111 | 1.7 | — | 1.05 | — | 20.13 | 21.00 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.80 | -2.090 | 34.090 | 0.388 |
| EXCOF vs NEPHELOMETRY | 5 | 0.77 | 0.720 | 2.577 | 0.225 |
| SALINITY vs DISCR SALINITY | 5 | 0.99 | 0.379 | 1.001 | 0.229 |

LOCATION: SOUTH BAY CHANNEL

DATE: 26 JULY 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAE0 | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 741 | -1 | — | — | — | 0.154 | 3.1 | — | 4.15 | — | 20.06 | 20.60 |
| 29.0 | 1.0 | 758 | -1 | — | — | — | 0.120 | 2.0 | — | 3.58 | — | 20.54 | 20.40 |
| 28.0 | 1.0 | 807 | -1 | — | — | — | 0.106 | 1.5 | — | 2.48 | — | 20.64 | 20.20 |
| 27.0 | 1.0 | 817 | -1 | — | — | — | 0.097 | 1.2 | — | 1.95 | — | 21.03 | 20.00 |
| 26.0 | 1.0 | 824 | -1 | — | — | — | 0.096 | 1.2 | — | 2.05 | — | 21.41 | 19.80 |
| 25.0 | 1.0 | 838 | -1 | — | — | — | 0.097 | 1.2 | — | 1.45 | — | 21.99 | 19.20 |
| 24.0 | 1.0 | 852 | -1 | — | — | — | 0.116 | 1.9 | — | 0.88 | — | 22.96 | 18.00 |
| 23.0 | 1.0 | 902 | 0 | — | — | — | 0.127 | 2.2 | — | 0.83 | — | 22.86 | 18.10 |
| 22.0 | 1.0 | 916 | 1 | — | — | — | 0.126 | 2.2 | — | 1.00 | — | 22.77 | 18.20 |
| 21.0 | 0.0 | 959 | 1 | — | — | — | 0.149 | 2.9 | 1.08 | 0.98 | — | 23.24 | — |
| 21.0 | 2.0 | 954 | 1 | 2.1 | 0.7 | 0.74 | 0.145 | 2.8 | — | 1.00 | 23.12 | 23.20 | — |
| 21.0 | 5.0 | 950 | 1 | — | — | — | 0.090 | 1.0 | — | 1.25 | — | 23.93 | — |
| 21.0 | 10.0 | 945 | 1 | — | — | — | 0.100 | 1.3 | — | 2.72 | — | 25.33 | — |
| 21.0 | 12.0 | 939 | 1 | 1.0 | 3.9 | 0.21 | 0.101 | 1.3 | — | 3.19 | 25.37 | 25.31 | — |
| 22.0 | 1.0 | 1014 | 1 | — | — | — | 0.122 | 2.1 | — | 1.16 | — | 23.54 | 17.60 |
| 23.0 | 1.0 | 1027 | 0 | — | — | — | 0.134 | 2.5 | — | 1.00 | — | 22.67 | 18.70 |
| 24.0 | 0.0 | 1055 | 1 | — | — | — | 0.118 | 1.9 | 0.91 | 0.91 | — | 22.99 | — |
| 24.0 | 2.0 | 1051 | 1 | 1.3 | 0.9 | 0.58 | 0.102 | 1.4 | — | 0.98 | 23.09 | 23.18 | — |
| 24.0 | 5.0 | 1048 | 1 | — | — | — | 0.078 | 0.6 | — | 1.43 | — | 23.82 | — |
| 24.0 | 8.0 | 1043 | 1 | 0.7 | 3.4 | 0.17 | 0.085 | 0.8 | — | 2.23 | 23.97 | 24.01 | — |
| 25.0 | 1.0 | 1112 | 1 | — | — | — | 0.098 | 1.3 | — | 1.40 | — | 22.57 | 18.50 |
| 26.0 | 1.0 | 1124 | 1 | — | — | — | 0.101 | 1.3 | — | 1.97 | — | 21.90 | 19.30 |
| 27.0 | 0.0 | 1152 | 1 | — | — | — | 0.092 | 1.1 | 3.13 | 3.00 | — | 21.44 | — |
| 27.0 | 2.0 | 1147 | 1 | 1.0 | 2.8 | 0.26 | 0.095 | 1.1 | — | 3.23 | 21.54 | 21.40 | — |
| 27.0 | 10.0 | 1143 | 1 | 1.4 | 3.5 | 0.29 | 0.105 | 1.5 | — | 4.23 | 21.50 | 21.32 | — |
| 28.0 | 1.0 | 1204 | 1 | — | — | — | 0.128 | 2.2 | — | 1.20 | — | 21.22 | 20.30 |
| 30.0 | 0.0 | 1248 | 1 | — | — | — | 0.106 | 1.5 | 1.85 | 2.08 | — | 20.92 | — |
| 30.0 | 2.0 | 1243 | 1 | 2.8 | 2.1 | 0.57 | 0.108 | 1.6 | — | 2.27 | 20.87 | 20.91 | — |
| 30.0 | 12.0 | 1238 | 1 | 1.1 | 3.0 | 0.26 | 0.101 | 1.3 | — | 2.92 | 20.87 | 20.90 | — |
| 31.0 | 1.0 | 1308 | 1 | — | — | — | 0.133 | 2.4 | — | 3.09 | — | 20.45 | 20.60 |
| 32.0 | 0.0 | 1334 | 1 | — | — | — | 0.146 | 2.8 | — | 3.01 | — | 20.26 | — |
| 32.0 | 1.0 | 1339 | 1 | — | — | — | 0.136 | 2.5 | — | 3.76 | — | 20.35 | 20.60 |
| 32.0 | 2.0 | 1328 | 1 | 3.5 | 1.8 | 0.66 | 0.145 | 2.8 | — | 3.37 | 20.24 | 20.28 | — |
| 32.0 | 5.0 | 1324 | 1 | 2.5 | 2.9 | 0.46 | 0.141 | 2.7 | — | 4.06 | 20.23 | 20.29 | — |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.62 | -1.992 | 33.164 | 0.609 |
| EXCOF vs NEPHELOMETRY | 4 | 0.98 | 0.245 | 4.541 | 0.193 |
| SALINITY vs DISCR SALINITY | 10 | 1.00 | 0.942 | 0.966 | 0.101 |

LOCATION: SOUTH BAY CHANNEL
DATE: 2 AUGUST 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAE0 | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 836 | -1 | --- | --- | --- | 0.126 | 2.2 | 1.49 | 1.45 | --- | 20.53 | --- |
| 32.0 | 1.0 | 810 | 0 | --- | --- | --- | 0.127 | 2.2 | --- | 1.62 | --- | 20.55 | 21.50 |
| 32.0 | 2.0 | 831 | 0 | 2.1 | 1.0 | 0.68 | 0.122 | 2.1 | --- | 1.48 | --- | 20.48 | --- |
| 32.0 | 7.0 | 824 | 0 | 1.6 | 1.0 | 0.62 | 0.119 | 2.0 | --- | 1.51 | 20.57 | 20.58 | --- |
| 30.0 | 0.0 | 924 | -1 | --- | --- | --- | 0.115 | 1.8 | 1.24 | 1.31 | --- | 20.86 | --- |
| 30.0 | 1.0 | 906 | -1 | --- | --- | --- | 0.130 | 2.3 | --- | 1.28 | --- | 20.79 | 21.00 |
| 30.0 | 2.0 | 919 | -1 | 2.1 | 1.0 | 0.69 | 0.110 | 1.7 | --- | 1.32 | --- | 20.78 | --- |
| 30.0 | 11.0 | 912 | -1 | 1.3 | 0.9 | 0.59 | 0.099 | 1.4 | --- | 1.47 | --- | 20.80 | --- |
| 29.0 | 1.0 | 950 | -1 | --- | --- | --- | 0.129 | 2.3 | --- | 1.13 | --- | 21.58 | 20.60 |
| 28.0 | 1.0 | 959 | -1 | --- | --- | --- | 0.140 | 2.6 | --- | 1.00 | --- | 21.93 | 20.20 |
| 27.0 | 0.0 | 1035 | -1 | --- | --- | --- | 0.122 | 2.1 | 0.97 | 0.97 | --- | 21.87 | --- |
| 27.0 | 1.0 | 1013 | -1 | --- | --- | --- | 0.120 | 2.0 | --- | 1.00 | --- | 21.99 | 20.10 |
| 27.0 | 2.0 | 1029 | -1 | 2.1 | 0.7 | 0.76 | 0.123 | 2.1 | --- | 0.98 | --- | 21.95 | --- |
| 27.0 | 5.0 | 1024 | -1 | --- | --- | --- | 0.091 | 1.2 | --- | 0.99 | --- | 22.26 | --- |
| 27.0 | 10.0 | 1018 | -1 | 0.6 | 0.4 | 0.58 | 0.078 | 0.8 | --- | 0.97 | 23.41 | 23.44 | --- |
| 26.0 | 1.0 | 1049 | -1 | --- | --- | --- | 0.121 | 2.0 | --- | 0.96 | --- | 22.40 | 19.80 |
| 25.0 | 1.0 | 1103 | -1 | --- | --- | --- | 0.175 | 3.6 | --- | 0.96 | --- | 22.66 | 19.60 |
| 24.0 | 0.0 | 1138 | -1 | --- | --- | --- | 0.161 | 3.2 | 0.87 | 0.95 | --- | 24.39 | --- |
| 24.0 | 1.0 | 1118 | -1 | --- | --- | --- | 0.179 | 3.7 | --- | 0.90 | --- | 24.33 | 18.20 |
| 24.0 | 2.0 | 1134 | -1 | 4.1 | 0.9 | 0.82 | 0.192 | 4.1 | --- | 0.98 | --- | 24.16 | --- |
| 24.0 | 8.0 | 1126 | -1 | 0.7 | 0.4 | 0.61 | 0.073 | 0.6 | --- | 1.08 | 25.44 | 25.32 | --- |
| 23.0 | 1.0 | 1154 | -1 | --- | --- | --- | 0.250 | 5.7 | --- | 1.04 | --- | 23.86 | 18.60 |
| 22.0 | 1.0 | 1209 | -1 | --- | --- | --- | 0.278 | 6.6 | --- | 1.04 | --- | 24.12 | 18.40 |
| 21.0 | 0.0 | 1249 | -1 | --- | --- | --- | 0.236 | 5.4 | 1.13 | 1.01 | --- | 23.57 | --- |
| 21.0 | 1.0 | 1224 | -1 | --- | --- | --- | 0.242 | 5.5 | --- | 1.12 | --- | 23.07 | 18.10 |
| 21.0 | 2.0 | 1244 | -1 | 6.1 | 2.3 | 0.72 | 0.262 | 6.1 | --- | 1.04 | --- | 23.38 | --- |
| 21.0 | 10.0 | 1238 | -1 | --- | --- | --- | 0.079 | 0.8 | --- | 1.08 | --- | 26.22 | --- |
| 21.0 | 15.0 | 1231 | -1 | 0.9 | 1.0 | 0.49 | 0.078 | 0.8 | --- | 1.14 | 26.97 | 27.03 | --- |
| 22.0 | 1.0 | 1306 | -1 | --- | --- | --- | 0.282 | 6.7 | --- | 0.95 | --- | 24.28 | 18.40 |
| 23.0 | 1.0 | 1320 | -1 | --- | --- | --- | 0.217 | 4.8 | --- | 0.93 | --- | 24.61 | 18.30 |
| 25.0 | 1.0 | 1344 | -1 | --- | --- | --- | 0.165 | 3.3 | --- | 0.91 | --- | 23.22 | 19.50 |
| 26.0 | 1.0 | 1358 | -1 | --- | --- | --- | 0.136 | 2.5 | --- | 0.96 | --- | 22.38 | 20.10 |
| 27.0 | 1.0 | 1408 | -1 | --- | --- | --- | 0.145 | 2.7 | --- | 0.98 | --- | 22.08 | 20.50 |
| 28.0 | 1.0 | 1418 | -1 | --- | --- | --- | 0.121 | 2.0 | --- | 1.08 | --- | 21.63 | 20.80 |
| 29.0 | 1.0 | 1426 | -1 | --- | --- | --- | 0.151 | 2.9 | --- | 1.11 | --- | 21.24 | 21.00 |
| 30.0 | 1.0 | 1444 | -1 | --- | --- | --- | 0.138 | 2.5 | --- | 1.32 | --- | 20.80 | 21.80 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.99 | -1.464 | 28.873 | 0.222 |
| EXCOF vs NEPHELOMETRY | 5 | 0.89 | 0.589 | 4.287 | 0.091 |
| SALINITY vs DISCR SALINITY | 4 | 1.00 | -1.071 | 1.056 | 0.099 |

LOCATION: South Bay Channel
DATE: 10 August 83

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 826 | -1 | — | — | — | 0.146 | 1.0 | — | 3.65 | — | 20.85 | 22.00 |
| 30.0 | 1.0 | 826 | -1 | — | — | — | 0.146 | 1.0 | — | 3.71 | — | 20.85 | 22.00 |
| 29.0 | 1.0 | 843 | -1 | — | — | — | 0.127 | 1.0 | — | 3.34 | — | 21.44 | 21.70 |
| 28.0 | 1.0 | 853 | -1 | — | — | — | 0.114 | 1.0 | — | 2.80 | — | 21.83 | 21.40 |
| 27.0 | 1.0 | 903 | -1 | — | — | — | 0.098 | 1.1 | — | 1.84 | — | 22.03 | 21.10 |
| 26.0 | 1.0 | 912 | -1 | — | — | — | 0.098 | 1.1 | — | 2.01 | — | 22.43 | 20.90 |
| 25.0 | 1.0 | 926 | -1 | — | — | — | 0.092 | 1.1 | — | 1.88 | — | 23.12 | 20.40 |
| 24.0 | 1.0 | 939 | -1 | — | — | — | 0.101 | 1.1 | — | 1.27 | — | 24.40 | 19.50 |
| 23.0 | 1.0 | 952 | 0 | — | — | — | 0.114 | 1.0 | — | 1.30 | — | 24.20 | 19.70 |
| 22.0 | 1.0 | 1007 | 0 | — | — | — | 0.111 | 1.1 | — | 1.32 | — | 24.59 | 19.30 |
| 21.0 | 1.0 | 1048 | 1 | — | — | — | 0.108 | 1.1 | 1.49 | 1.64 | — | 26.24 | 18.20 |
| 21.0 | 2.0 | 1041 | 1 | 1.6 | 1.9 | 0.47 | 0.110 | 1.1 | — | 1.45 | — | 26.12 | — |
| 21.0 | 14.0 | 1032 | 1 | 0.9 | 6.7 | 0.11 | 0.119 | 1.0 | — | 3.06 | 26.69 | 26.67 | — |
| 22.0 | 1.0 | 1100 | 1 | — | — | — | 0.104 | 1.1 | — | 1.27 | — | 25.57 | 18.60 |
| 23.0 | 1.0 | 1109 | 1 | — | — | — | 0.098 | 1.1 | — | 1.76 | — | 25.48 | 18.60 |
| 24.0 | 1.0 | 1122 | 1 | — | — | — | 0.117 | 1.0 | 1.39 | 1.17 | — | 24.50 | 19.90 |
| 24.0 | 2.0 | 1130 | 1 | 1.0 | 1.8 | 0.37 | 0.101 | 1.1 | — | 1.63 | — | 25.13 | — |
| 24.0 | 8.0 | 1125 | 1 | 0.7 | 5.4 | 0.12 | 0.107 | 1.1 | — | 3.10 | — | 25.79 | — |
| 25.0 | 1.0 | 1204 | 1 | — | — | — | 0.101 | 1.1 | — | 1.81 | — | 25.14 | 18.90 |
| 26.0 | 1.0 | 1217 | 1 | — | — | — | 0.098 | 1.1 | — | 1.84 | — | 24.10 | 19.80 |
| 27.0 | 1.0 | 1225 | 1 | — | — | — | 0.101 | 1.1 | 1.96 | 2.52 | — | 23.51 | 20.40 |
| 27.0 | 2.0 | 1235 | 1 | 0.9 | 2.4 | 0.27 | 0.092 | 1.1 | — | 1.92 | — | 23.66 | — |
| 27.0 | 10.0 | 1230 | 1 | 1.7 | 3.7 | 0.32 | 0.099 | 1.1 | — | 2.60 | 23.47 | 23.52 | — |
| 28.0 | 1.0 | 1252 | 1 | — | — | — | 0.104 | 1.1 | — | 2.74 | — | 23.12 | 20.80 |
| 29.0 | 1.0 | 1259 | 1 | — | — | — | 0.104 | 1.1 | — | 3.03 | — | 22.82 | 20.90 |
| 30.0 | 1.0 | 1315 | 1 | — | — | — | 0.111 | 1.1 | 3.13 | 2.95 | — | 22.62 | 21.00 |
| 30.0 | 2.0 | 1326 | 1 | 0.6 | 4.3 | 0.13 | 0.106 | 1.1 | — | 2.99 | 22.64 | 22.60 | — |
| 30.0 | 13.0 | 1323 | 1 | 0.8 | 4.9 | 0.14 | 0.111 | 1.1 | — | 3.42 | — | 22.52 | — |
| 31.0 | 1.0 | 1344 | 1 | — | — | — | 0.119 | 1.0 | — | 3.24 | — | 22.23 | 21.30 |
| 32.0 | 1.0 | 1354 | 1 | — | — | — | 0.130 | 1.0 | — | 2.88 | — | 21.59 | 21.80 |
| 32.0 | 1.0 | 1358 | 1 | — | — | — | 0.117 | 1.0 | 3.13 | 2.80 | — | 21.89 | 21.70 |
| 32.0 | 2.0 | 1406 | 1 | 1.2 | 3.8 | 0.24 | 0.117 | 1.0 | — | 2.90 | — | 21.85 | — |
| 32.0 | 7.0 | 1402 | 1 | 1.1 | 4.8 | 0.18 | 0.127 | 1.0 | — | 3.76 | — | 21.95 | — |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|-------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.00 | 1.244 | -1.713 | 0.383 |
| EXCOF vs NEPHELOMETRY | 5 | 0.82 | 0.780 | 2.455 | 0.418 |
| SALINITY vs DISCR SALINITY | 3 | 1.00 | 0.634 | 0.986 | 0.055 |

LOCATION: South Bay Channel
DATE: 16 Aug 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 2.0 | 832 | 1 | 1.8 | 1.4 | 0.57 | 0.121 | 1.9 | 1.49 | 1.51 | — | 21.97 | — |
| 32.0 | 7.0 | 826 | 1 | 1.1 | 1.4 | 0.43 | 0.106 | 1.5 | — | 1.82 | 22.00 | 22.08 | 21.90 |
| 31.0 | 1.0 | 844 | 1 | — | — | — | 0.108 | 1.5 | — | 1.44 | — | 22.41 | 21.50 |
| 30.0 | 2.0 | 911 | 0 | 1.4 | 1.6 | 0.46 | 0.110 | 1.6 | 1.39 | 1.38 | — | 22.81 | 21.70 |
| 30.0 | 12.0 | 904 | 0 | 1.2 | 1.1 | 0.53 | 0.094 | 1.1 | — | 1.24 | — | 23.12 | — |
| 29.0 | 1.0 | 937 | -1 | — | — | — | 0.136 | 2.4 | — | 0.97 | — | 23.72 | 20.90 |
| 28.0 | 1.0 | 949 | -1 | — | — | — | 0.104 | 1.4 | — | 0.93 | — | 24.03 | 20.70 |
| 27.0 | 2.0 | 1014 | -1 | 1.7 | 0.7 | 0.71 | 0.113 | 1.7 | 0.87 | 0.92 | — | 24.22 | 20.60 |
| 27.0 | 11.0 | 1008 | -1 | 0.7 | 0.6 | 0.53 | 0.074 | 0.5 | — | 0.90 | 24.90 | 24.85 | — |
| 25.0 | 1.0 | 1042 | -1 | — | — | — | 0.123 | 2.0 | — | 0.93 | — | 24.96 | 20.00 |
| 24.0 | 2.0 | 1107 | -1 | 2.5 | 1.0 | 0.71 | 0.138 | 2.4 | 0.97 | 0.95 | — | 25.62 | — |
| 24.0 | 8.0 | 1101 | -1 | 1.3 | 0.7 | 0.65 | 0.092 | 1.1 | — | 1.04 | 26.34 | 26.09 | — |
| 23.0 | 1.0 | 1123 | -1 | — | — | — | 0.158 | 3.0 | — | 1.06 | — | 25.37 | 18.40 |
| 22.0 | 1.0 | 1136 | -1 | — | — | — | 0.117 | 1.8 | — | 1.07 | — | 26.07 | 18.10 |
| 21.0 | 2.0 | 1206 | -1 | 3.0 | 0.8 | 0.78 | 0.146 | 2.7 | 1.08 | 1.06 | — | 25.96 | 19.00 |
| 21.0 | 5.0 | 1203 | -1 | — | — | — | 0.099 | 1.3 | — | 1.08 | — | 26.58 | — |
| 21.0 | 10.0 | 1157 | -1 | — | — | — | 0.091 | 1.1 | — | 1.09 | — | 26.77 | — |
| 21.0 | 15.0 | 1153 | -1 | 1.1 | 1.6 | 0.41 | 0.091 | 1.1 | — | 1.44 | 27.08 | 27.30 | — |
| 22.0 | 1.0 | 1221 | -1 | — | — | — | 0.108 | 1.5 | — | 1.07 | — | 26.24 | 18.30 |
| 23.0 | 1.0 | 1236 | -1 | — | — | — | 0.149 | 2.8 | — | 1.05 | — | 25.74 | 18.60 |
| 24.0 | 1.0 | 1246 | -1 | — | — | — | 0.120 | 1.9 | — | 0.92 | — | 25.26 | 20.70 |
| 25.0 | 1.0 | 1301 | -1 | — | — | — | 0.116 | 1.8 | — | 0.90 | — | 24.78 | 21.10 |
| 26.0 | 1.0 | 1315 | -1 | — | — | — | 0.132 | 2.3 | — | 0.94 | — | 25.10 | 20.30 |
| 27.0 | 1.0 | 1324 | -1 | — | — | — | 0.130 | 2.2 | — | 0.91 | — | 24.64 | 20.70 |
| 28.0 | 1.0 | 1334 | -1 | — | — | — | 0.152 | 2.8 | — | 1.05 | — | 23.91 | 21.40 |
| 29.0 | 1.0 | 1344 | -1 | — | — | — | 0.119 | 1.9 | — | 1.27 | — | 23.45 | 21.90 |
| 30.0 | 1.0 | 1403 | -1 | — | — | — | 0.130 | 2.2 | — | 1.40 | — | 22.76 | 22.40 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.90 | -1.630 | 29.485 | 0.230 |
| EXCOF vs NEPHELOMETRY | 5 | 0.99 | 0.544 | 4.069 | 0.034 |
| SALINITY vs DISCR SALINITY | 4 | 0.99 | 1.236 | 0.968 | 0.244 |

LOCATION: South Bay Channel
DATE: 30 August 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 851 | -1 | ----- | ----- | ----- | 0.149 | 2.5 | ----- | 1.11 | ----- | 23.81 | 20.80 |
| 29.0 | 1.0 | 909 | -1 | ----- | ----- | ----- | 0.142 | 2.3 | ----- | 0.91 | ----- | 24.44 | 20.70 |
| 28.0 | 1.0 | 920 | -1 | ----- | ----- | ----- | 0.167 | 3.0 | ----- | 0.80 | ----- | 24.86 | 20.40 |
| 27.0 | 1.0 | 928 | -1 | ----- | ----- | ----- | 0.127 | 1.9 | ----- | 0.79 | ----- | 25.07 | 20.40 |
| 26.0 | 1.0 | 937 | -1 | ----- | ----- | ----- | 0.124 | 1.8 | ----- | 0.66 | ----- | 25.80 | 20.10 |
| 25.0 | 1.0 | 950 | -1 | ----- | ----- | ----- | 0.153 | 2.6 | ----- | 0.63 | ----- | 26.01 | 19.90 |
| 24.0 | 1.0 | 1001 | -1 | ----- | ----- | ----- | 0.109 | 1.4 | ----- | 0.69 | ----- | 26.63 | 19.70 |
| 23.0 | 1.0 | 1009 | -1 | ----- | ----- | ----- | 0.126 | 1.8 | ----- | 0.71 | ----- | 26.53 | 19.80 |
| 22.0 | 1.0 | 1025 | -1 | ----- | ----- | ----- | 0.143 | 2.3 | ----- | 0.86 | ----- | 26.11 | 19.10 |
| 21.0 | 1.0 | 1120 | 0 | 3.2 | 1.4 | 0.69 | 0.166 | 3.0 | 1.01 | 1.17 | 24.58 | 24.75 | 19.30 |
| 22.0 | 1.0 | 1142 | 0 | ----- | ----- | ----- | 0.147 | 2.4 | ----- | 1.13 | ----- | 25.90 | 19.10 |
| 23.0 | 1.0 | 1211 | 1 | ----- | ----- | ----- | 0.108 | 1.3 | ----- | 0.72 | ----- | 26.42 | 20.00 |
| 24.0 | 0.0 | 1250 | 1 | ----- | ----- | ----- | 0.110 | 1.4 | ----- | 0.75 | ----- | 26.42 | 19.90 |
| 24.0 | 2.0 | 1245 | 1 | 1.4 | 0.6 | 0.69 | 0.111 | 1.4 | 0.71 | 0.81 | 25.74 | 25.59 | 20.00 |
| 24.0 | 8.0 | 1238 | 1 | 1.2 | 0.6 | 0.68 | 0.085 | 0.6 | ----- | 1.44 | 25.77 | 26.11 | 20.10 |
| 25.0 | 1.0 | 1307 | 1 | ----- | ----- | ----- | 0.143 | 2.3 | ----- | 0.62 | ----- | 25.28 | 20.50 |
| 26.0 | 1.0 | 1320 | 1 | ----- | ----- | ----- | 0.136 | 2.1 | ----- | 0.68 | ----- | 24.75 | 20.80 |
| 27.0 | 0.0 | 1354 | 1 | ----- | ----- | ----- | 0.171 | 3.1 | ----- | 0.88 | ----- | 24.44 | 21.30 |
| 27.0 | 2.0 | 1350 | 1 | 2.9 | 0.5 | 0.84 | 0.158 | 2.8 | 0.97 | 0.88 | 24.51 | 24.34 | 21.40 |
| 27.0 | 5.0 | 1344 | 1 | ----- | ----- | ----- | 0.098 | 1.0 | ----- | 0.90 | ----- | 24.75 | 21.40 |
| 27.0 | 10.0 | 1340 | 1 | 0.6 | 0.5 | 0.53 | 0.081 | 0.5 | ----- | 0.90 | 25.56 | 25.28 | 21.30 |
| 28.0 | 1.0 | 1409 | 1 | ----- | ----- | ----- | 0.166 | 3.0 | ----- | 0.98 | ----- | 24.02 | 20.80 |
| 29.0 | 1.0 | 1418 | 1 | ----- | ----- | ----- | 0.154 | 2.6 | ----- | 0.97 | ----- | 24.23 | 21.00 |
| 30.0 | 0.0 | 1459 | 1 | ----- | ----- | ----- | 0.224 | 4.7 | ----- | 1.07 | ----- | 22.98 | 21.60 |
| 30.0 | 2.0 | 1454 | 1 | 4.6 | 0.7 | 0.87 | 0.226 | 4.7 | 1.18 | 1.07 | 23.12 | 22.98 | 21.70 |
| 30.0 | 10.0 | 1446 | 1 | 0.6 | 1.0 | 0.38 | 0.088 | 0.7 | ----- | 1.50 | 24.03 | 23.92 | 21.70 |
| 32.0 | 0.0 | 1540 | 1 | ----- | ----- | ----- | 0.319 | 7.4 | ----- | 1.20 | ----- | 22.77 | 22.10 |
| 32.0 | 2.0 | 1536 | 1 | 7.0 | 1.5 | 0.82 | 0.301 | 6.9 | 1.27 | 1.21 | 22.59 | 22.77 | 22.00 |
| 32.0 | 10.0 | 1530 | 1 | 1.1 | 2.3 | 0.32 | 0.130 | 1.9 | ----- | 4.04 | 23.03 | 23.19 | 22.00 |
| 31.0 | 1.0 | 1551 | 1 | ----- | ----- | ----- | 0.225 | 4.7 | ----- | 0.95 | ----- | 23.61 | 21.70 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 9 | 0.97 | -1.811 | 28.927 | 0.422 |
| EXCOF vs NEPHELOMETRY | 5 | 0.68 | 0.103 | 6.224 | 0.141 |
| SALINITY vs DISCR SALINITY | 9 | 0.97 | -0.302 | 1.044 | 0.231 |

LOCATION: South Bay Channel
DATE: 7 September 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 820 | -1 | — | — | — | 0.174 | 3.3 | — | 1.87 | — | 22.88 | 22.30 |
| 29.0 | 1.0 | 838 | -1 | — | — | — | 0.155 | 2.7 | — | 1.66 | — | 23.53 | 22.10 |
| 28.0 | 1.0 | 851 | -1 | — | — | — | 0.136 | 2.2 | — | 1.38 | — | 23.67 | 21.80 |
| 27.0 | 1.0 | 901 | -1 | — | — | — | 0.133 | 2.1 | — | 1.31 | — | 24.31 | 21.60 |
| 26.0 | 1.0 | 913 | -1 | — | — | — | 0.111 | 1.5 | — | 1.48 | — | 24.82 | 21.40 |
| 25.0 | 1.0 | 928 | 1 | — | — | — | 0.104 | 1.3 | — | 1.52 | — | 25.26 | 21.00 |
| 24.0 | 1.0 | 943 | 1 | — | — | — | 0.108 | 1.4 | — | 1.21 | — | 25.52 | 20.60 |
| 23.0 | 1.0 | 955 | 1 | — | — | — | 0.104 | 1.3 | — | 1.17 | — | 25.53 | 20.40 |
| 22.0 | 1.0 | 1015 | 1 | — | — | — | 0.111 | 1.5 | — | 1.42 | — | 26.29 | 18.70 |
| 21.0 | 1.0 | 1150 | 1 | 2.0 | 2.7 | 0.43 | 0.119 | 1.7 | 1.39 | 1.55 | 26.97 | 27.01 | 18.10 |
| 21.0 | 9.0 | 1145 | 1 | 1.0 | 5.0 | 0.16 | — | — | — | — | 27.51 | — | — |
| 22.0 | 1.0 | 1204 | 1 | — | — | — | 0.117 | 1.7 | — | 2.88 | — | 27.29 | 18.10 |
| 23.0 | 1.0 | 1218 | 1 | — | — | — | 0.111 | 1.5 | — | 2.88 | — | 26.34 | 18.50 |
| 24.0 | 1.0 | 1232 | 1 | 1.5 | 2.6 | 0.36 | 0.108 | 1.4 | 2.22 | 2.18 | 26.39 | 26.33 | 18.70 |
| 24.0 | 10.0 | 1230 | 1 | 1.7 | 3.7 | 0.32 | — | — | — | — | 26.41 | — | — |
| 25.0 | 1.0 | 1244 | 1 | — | — | — | 0.104 | 1.3 | — | 1.94 | — | 25.66 | 20.00 |
| 26.0 | 1.0 | 1258 | 1 | — | — | — | 0.111 | 1.5 | — | 1.62 | — | 25.49 | 20.30 |
| 27.0 | 1.0 | 1315 | 1 | 1.1 | 1.7 | 0.39 | 0.111 | 1.5 | 1.31 | 1.24 | — | 25.31 | 20.80 |
| 27.0 | 10.0 | 1312 | 1 | 1.2 | 2.0 | 0.38 | — | — | — | — | 25.36 | — | — |
| 28.0 | 1.0 | 1325 | 1 | — | — | — | 0.117 | 1.7 | — | 1.38 | — | 25.21 | 21.10 |
| 29.0 | 1.0 | 1334 | 1 | — | — | — | 0.123 | 1.8 | — | 1.42 | — | 25.09 | 21.40 |
| 30.0 | 1.0 | 1355 | 1 | — | — | — | 0.142 | 2.4 | 1.61 | 1.55 | — | 24.46 | 21.70 |
| 30.0 | 10.0 | 1350 | 1 | 2.1 | 2.7 | 0.43 | — | — | — | — | 24.49 | — | — |
| 31.0 | 1.0 | 1412 | 1 | — | — | — | 0.168 | 3.1 | — | 1.42 | — | 24.18 | 22.20 |
| 32.0 | 1.0 | 1425 | 1 | 3.3 | 1.0 | 0.77 | 0.177 | 3.3 | 1.49 | 1.48 | 23.68 | 23.69 | 22.00 |
| 32.0 | 10.0 | 1423 | 1 | 2.2 | 2.4 | 0.48 | — | — | — | — | 24.11 | — | — |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|---|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 4 | 0.90 | -1.641 | 28.147 | 0.367 |
| EXCOF vs NEPHELOMETRY | 5 | 0.93 | 0.439 | 3.487 | 0.109 |
| SALINITY vs DISCR SALINITY | 3 | 1.00 | -0.165 | 1.011 | 0.071 |

LOCATION: South Bay Channel
DATE: 14 Sept 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 2.0 | 833 | 0 | 4.3 | 1.7 | 0.71 | 0.234 | 4.3 | 1.39 | 1.31 | — | 23.48 | — |
| 32.0 | 12.0 | 826 | 0 | 2.6 | 1.9 | 0.58 | 0.198 | 3.6 | — | 1.51 | — | 23.77 | — |
| 31.0 | 0.0 | 846 | -1 | — | — | — | 0.187 | 3.4 | — | 1.22 | — | 23.13 | 22.20 |
| 30.0 | 2.0 | 912 | -1 | 3.0 | 1.0 | 0.74 | 0.224 | 4.1 | 1.13 | 1.22 | — | 24.35 | — |
| 30.0 | 12.0 | 907 | -1 | 1.2 | 1.9 | 0.39 | 0.121 | 2.1 | — | 1.37 | 24.71 | 24.73 | — |
| 29.0 | 0.0 | 937 | -1 | — | — | — | 0.158 | 2.8 | — | 1.11 | — | 24.85 | 21.70 |
| 27.0 | 2.0 | 1005 | -1 | 2.9 | 0.8 | 0.78 | 0.139 | 2.4 | 0.92 | 0.92 | — | 25.30 | — |
| 27.0 | 10.0 | 1001 | -1 | 2.2 | 0.9 | 0.71 | 0.127 | 2.2 | — | 0.89 | — | 25.44 | — |
| 26.0 | 0.0 | 1022 | -1 | — | — | — | 0.199 | 3.6 | — | 0.98 | — | 25.47 | 21.10 |
| 25.0 | 0.0 | 1036 | -1 | — | — | — | 0.066 | 1.0 | — | 0.95 | — | 24.84 | 20.50 |
| 24.0 | 2.0 | 1058 | -1 | 5.9 | 2.8 | 0.68 | 0.262 | 4.9 | 1.10 | 1.02 | — | 24.21 | — |
| 24.0 | 8.0 | 1053 | -1 | 2.0 | 0.7 | 0.73 | 0.104 | 1.7 | — | 0.96 | 25.36 | 25.31 | — |
| 23.0 | 0.0 | 1116 | -1 | — | — | — | 0.158 | 2.8 | — | 1.08 | — | 24.63 | 19.40 |
| 22.0 | 0.0 | 1127 | -1 | — | — | — | 0.199 | 3.6 | — | 1.10 | — | 24.46 | 19.40 |
| 21.0 | 2.0 | 1152 | -1 | 4.2 | 1.4 | 0.75 | 0.168 | 3.0 | 1.04 | 1.10 | 24.39 | 24.41 | — |
| 21.0 | 8.0 | 1147 | -1 | — | — | — | 0.092 | 1.5 | — | 1.13 | — | 25.49 | — |
| 21.0 | 15.0 | 1142 | -1 | 1.3 | 1.2 | 0.52 | 0.085 | 1.3 | — | 1.16 | 26.57 | 26.58 | — |
| 22.0 | 0.0 | 1209 | -1 | — | — | — | 0.199 | 3.6 | — | 1.08 | — | 24.40 | 19.60 |
| 23.0 | 0.0 | 1224 | -1 | — | — | — | 0.209 | 3.8 | — | 1.07 | — | 24.13 | 19.50 |
| 24.0 | 0.0 | 1236 | -1 | — | — | — | 0.380 | 7.3 | — | 0.98 | — | 24.54 | 20.40 |
| 25.0 | 0.0 | 1248 | -1 | — | — | — | 0.270 | 5.1 | — | 0.86 | — | 25.63 | 21.20 |
| 26.0 | 0.0 | 1303 | -1 | — | — | — | 0.259 | 4.9 | — | 0.84 | — | 25.49 | 21.70 |
| 27.0 | 0.0 | 1314 | -1 | — | — | — | 0.184 | 3.3 | — | 1.01 | — | 25.13 | 21.90 |
| 28.0 | 0.0 | 1323 | -1 | — | — | — | 0.225 | 4.1 | — | 0.98 | — | 24.92 | 21.90 |
| 29.0 | 0.0 | 1335 | -1 | — | — | — | 0.234 | 4.3 | — | 1.11 | — | 24.57 | 22.10 |
| 30.0 | 0.0 | 1353 | -1 | — | — | — | 0.300 | 5.7 | — | 1.21 | — | 23.93 | 22.50 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.69 | -0.383 | 20.171 | 0.865 |
| EXCOF vs NEPHELOMETRY | 5 | 0.79 | 0.399 | 4.808 | 0.091 |
| SALINITY vs DISCR SALINITY | 4 | 1.00 | -1.128 | 1.054 | 0.037 |

LOCATION: South Bay Channel
 DATE: 22 September 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 759 | -1 | — | — | — | 0.174 | 4.2 | — | 2.06 | — | 23.62 | 22.40 |
| 29.0 | 1.0 | 819 | -1 | — | — | — | 0.147 | 3.0 | — | 1.77 | — | 23.28 | 22.10 |
| 28.0 | 1.0 | 829 | -1 | — | — | — | 0.133 | 2.4 | — | 1.42 | — | 23.13 | 21.90 |
| 27.0 | 1.0 | 840 | 0 | — | — | — | 0.125 | 2.0 | — | 1.21 | — | 24.61 | 21.70 |
| 26.0 | 1.0 | 851 | 0 | — | — | — | 0.134 | 2.4 | — | 0.96 | — | 25.02 | 21.30 |
| 25.0 | 1.0 | 906 | 1 | — | — | — | 0.120 | 1.8 | — | 0.90 | — | 25.33 | 21.10 |
| 24.0 | 1.0 | 919 | 1 | — | — | — | 0.146 | 2.9 | — | 0.81 | — | 25.33 | 20.00 |
| 23.0 | 1.0 | 933 | 1 | — | — | — | 0.190 | 4.9 | — | 0.86 | — | 25.21 | 20.30 |
| 22.0 | 1.0 | 951 | 1 | — | — | — | 0.149 | 3.1 | — | 0.97 | — | 25.66 | 18.90 |
| 21.0 | 1.0 | 1006 | 1 | — | — | — | 0.127 | 2.1 | 1.13 | 1.05 | — | 25.39 | 18.60 |
| 21.0 | 2.0 | 1027 | 1 | 1.3 | 0.6 | 0.69 | 0.117 | 1.7 | — | 1.12 | 25.69 | 25.63 | — |
| 21.0 | 15.0 | 1018 | 1 | 1.8 | 1.4 | 0.56 | 0.114 | 1.5 | — | 1.58 | 26.15 | 26.19 | — |
| 22.0 | 1.0 | 1043 | 1 | — | — | — | 0.127 | 2.1 | — | 1.09 | — | 25.63 | 18.50 |
| 23.0 | 1.0 | 1055 | 1 | — | — | — | 0.133 | 2.4 | — | 1.40 | — | 25.80 | 19.20 |
| 24.0 | 1.0 | 1108 | 1 | — | — | — | 0.120 | 1.8 | 1.13 | 1.25 | — | 25.47 | 19.60 |
| 24.0 | 2.0 | 1121 | 1 | 1.7 | 1.3 | 0.56 | 0.114 | 1.5 | — | 1.16 | — | 25.52 | — |
| 24.0 | 8.0 | 1115 | 1 | 1.9 | 1.1 | 0.64 | 0.111 | 1.4 | — | 1.31 | — | 25.50 | — |
| 25.0 | 1.0 | 1138 | 1 | — | — | — | 0.146 | 2.9 | — | 1.00 | — | 25.39 | 20.10 |
| 26.0 | 1.0 | 1151 | 1 | — | — | — | 0.136 | 2.5 | — | 0.90 | — | 25.28 | 20.70 |
| 27.0 | 1.0 | 1202 | 1 | — | — | — | 0.165 | 3.8 | 1.13 | 1.11 | — | 25.19 | 21.30 |
| 27.0 | 2.0 | 1214 | 1 | 1.6 | 1.3 | 0.54 | 0.127 | 2.1 | — | 1.14 | — | 25.25 | — |
| 27.0 | 8.0 | 1208 | 1 | 1.8 | 1.3 | 0.58 | 0.114 | 1.5 | — | 1.39 | — | 25.26 | — |
| 28.0 | 1.0 | 1229 | 1 | — | — | — | 0.187 | 4.7 | — | 1.09 | — | 25.09 | 21.40 |
| 29.0 | 1.0 | 1239 | 1 | — | — | — | 0.136 | 2.5 | — | 1.58 | — | 24.90 | 21.50 |
| 30.0 | 1.0 | 1315 | 1 | — | — | — | 0.146 | 2.9 | 1.31 | 1.36 | — | 24.76 | 21.80 |
| 30.0 | 2.0 | 1311 | 1 | 2.2 | 1.7 | 0.56 | 0.130 | 2.2 | — | 1.53 | 24.74 | 24.76 | — |
| 30.0 | 12.0 | 1305 | 1 | 1.4 | 3.7 | 0.28 | 0.127 | 2.1 | — | 3.47 | — | 24.74 | — |
| 31.0 | 1.0 | 1331 | 1 | — | — | — | 0.152 | 3.2 | — | 1.75 | — | 24.43 | 22.80 |
| 32.0 | 1.0 | 1342 | 1 | — | — | — | 0.180 | 4.5 | 1.61 | 1.53 | — | 23.91 | 22.50 |
| 32.0 | 2.0 | 1354 | 1 | 3.4 | 1.8 | 0.66 | 0.158 | 3.5 | — | 1.69 | 24.04 | 24.04 | — |
| 32.0 | 12.0 | 1346 | 1 | 4.0 | 4.6 | 0.46 | 0.158 | 3.5 | — | 4.19 | — | 24.24 | — |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.79 | -3.513 | 44.154 | 0.425 |
| EXCOF vs NEPHELOMETRY | 5 | 0.83 | 0.141 | 5.547 | 0.101 |
| SALINITY vs DISCR SALINITY | 4 | 1.00 | -4.141 | 1.168 | 0.058 |

LOCATION: SOUTH BAY CHANNEL
DATE: 29 SEPTEMBER 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 733 | 1 | --- | --- | --- | 0.122 | 1.6 | --- | 1.32 | --- | 24.14 | 20.60 |
| 31.0 | 1.0 | 748 | 1 | --- | --- | --- | 0.142 | 2.1 | --- | 1.36 | --- | 24.11 | 20.70 |
| 32.0 | 0.0 | 819 | 0 | --- | --- | --- | 0.147 | 2.2 | 1.39 | 1.41 | --- | 24.17 | --- |
| 32.0 | 1.0 | 800 | 1 | --- | --- | --- | 0.148 | 2.3 | --- | 1.38 | --- | 24.11 | 20.60 |
| 32.0 | 2.0 | 813 | 0 | 1.3 | 1.8 | 0.42 | 0.147 | 2.2 | --- | 1.50 | --- | 24.16 | --- |
| 32.0 | 12.0 | 807 | 1 | 1.2 | 1.4 | 0.46 | 0.146 | 2.2 | --- | 1.50 | 24.11 | 24.14 | --- |
| 31.0 | 1.0 | 832 | 0 | --- | --- | --- | 0.145 | 2.2 | --- | 1.36 | --- | 24.22 | 20.70 |
| 30.0 | 0.0 | 910 | -1 | --- | --- | --- | 0.140 | 2.0 | 1.24 | 1.21 | --- | 24.38 | --- |
| 30.0 | 1.0 | 849 | -1 | --- | --- | --- | 0.148 | 2.2 | --- | 1.26 | --- | 24.61 | 20.60 |
| 30.0 | 2.0 | 905 | -1 | 1.8 | 0.9 | 0.66 | 0.128 | 1.8 | --- | 1.20 | --- | 24.33 | --- |
| 30.0 | 11.0 | 857 | -1 | 1.2 | 0.8 | 0.61 | 0.112 | 1.3 | --- | 1.39 | --- | 24.48 | --- |
| 29.0 | 1.0 | 936 | -1 | --- | --- | --- | 0.131 | 1.8 | --- | 1.14 | --- | 24.78 | 20.60 |
| 28.0 | 1.0 | 947 | -1 | --- | --- | --- | 0.133 | 1.9 | --- | 1.04 | --- | 25.00 | 20.30 |
| 27.0 | 0.0 | 1017 | -1 | --- | --- | --- | 0.104 | 1.1 | 0.95 | 0.95 | --- | 25.11 | --- |
| 27.0 | 1.0 | 956 | -1 | --- | --- | --- | 0.120 | 1.5 | --- | 0.95 | --- | 25.12 | 20.00 |
| 27.0 | 2.0 | 1012 | -1 | 1.3 | 0.6 | 0.69 | 0.110 | 1.3 | --- | 0.95 | --- | 25.08 | --- |
| 27.0 | 10.0 | 1005 | -1 | 1.2 | 0.5 | 0.69 | 0.095 | 0.9 | --- | 0.97 | 25.13 | 25.13 | --- |
| 26.0 | 1.0 | 1031 | -1 | --- | --- | --- | 0.158 | 2.5 | --- | 0.86 | --- | 25.34 | 19.80 |
| 25.0 | 1.0 | 1045 | -1 | --- | --- | --- | 0.159 | 2.5 | --- | 0.86 | --- | 25.49 | 19.50 |
| 24.0 | 0.0 | 1117 | -1 | --- | --- | --- | 0.211 | 3.9 | 0.92 | 0.89 | --- | 24.30 | --- |
| 24.0 | 1.0 | 1058 | -1 | --- | --- | --- | 0.200 | 3.6 | --- | 0.88 | --- | 24.54 | 18.60 |
| 24.0 | 2.0 | 1112 | -1 | 3.9 | 0.8 | 0.83 | 0.183 | 3.1 | --- | 0.87 | --- | 24.59 | --- |
| 24.0 | 8.0 | 1105 | -1 | 1.0 | 0.4 | 0.71 | 0.092 | 0.8 | --- | 0.86 | 25.38 | 25.32 | --- |
| 23.0 | 1.0 | 1132 | -1 | --- | --- | --- | 0.193 | 3.4 | --- | 0.90 | --- | 23.98 | 18.30 |
| 22.0 | 1.0 | 1147 | -1 | --- | --- | --- | 0.188 | 3.3 | --- | 0.90 | --- | 24.21 | 18.20 |
| 21.0 | 0.0 | 1223 | -1 | --- | --- | --- | 0.182 | 3.1 | 0.85 | 0.89 | --- | 24.38 | --- |
| 21.0 | 1.0 | 1158 | -1 | --- | --- | --- | 0.191 | 3.3 | --- | 0.90 | --- | 24.25 | 18.10 |
| 21.0 | 2.0 | 1218 | -1 | 3.5 | 1.5 | 0.70 | 0.180 | 3.1 | --- | 0.89 | --- | 24.39 | --- |
| 21.0 | 10.0 | 1211 | -1 | 1.2 | 0.4 | 0.74 | 0.094 | 0.9 | --- | 0.88 | 25.54 | 25.51 | --- |
| 21.0 | 15.0 | 1205 | -1 | --- | --- | --- | 0.082 | 0.6 | --- | 0.92 | 26.44 | 26.48 | --- |
| 22.0 | 1.0 | 1243 | -1 | --- | --- | --- | 0.193 | 3.4 | --- | 0.88 | --- | 24.45 | 18.30 |
| 23.0 | 1.0 | 1257 | -1 | --- | --- | --- | 0.219 | 4.0 | --- | 0.89 | --- | 24.13 | 18.40 |
| 24.0 | 1.0 | 1313 | -1 | --- | --- | --- | 0.247 | 4.8 | --- | 0.86 | --- | 24.66 | 18.70 |
| 25.0 | 1.0 | 1320 | -1 | --- | --- | --- | 0.196 | 3.5 | --- | 0.89 | --- | 25.31 | 19.60 |
| 26.0 | 1.0 | 1333 | -1 | --- | --- | --- | 0.193 | 3.4 | --- | 0.91 | --- | 25.17 | 19.90 |
| 27.0 | 1.0 | 1343 | -1 | --- | --- | --- | 0.166 | 2.7 | --- | 0.95 | --- | 25.02 | 20.30 |
| 28.0 | 1.0 | 1352 | -1 | --- | --- | --- | 0.150 | 2.3 | --- | 1.06 | --- | 24.75 | 20.50 |
| 29.0 | 1.0 | 1402 | -1 | --- | --- | --- | 0.167 | 2.7 | --- | 1.01 | --- | 24.60 | 20.60 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.71 | -1.526 | 25.500 | 0.593 |
| EXCOF vs NEPHELOMETRY | 5 | 0.98 | 0.540 | 3.689 | 0.034 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | -1.140 | 1.048 | 0.047 |

LOCATION: South Bay Channel
DATE: 12 October 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 747 | -1 | ----- | ----- | ----- | 0.123 | 1.8 | ----- | 1.34 | ----- | 24.37 | 19.80 |
| 31.0 | 1.0 | 803 | -1 | ----- | ----- | ----- | 0.134 | 1.9 | ----- | 1.34 | ----- | 23.87 | 20.00 |
| 32.0 | 0.0 | 839 | -1 | ----- | ----- | ----- | 0.149 | 2.1 | ----- | 1.46 | ----- | 23.62 | ----- |
| 32.0 | 2.0 | 834 | -1 | 1.9 | 1.2 | 0.62 | 0.146 | 2.1 | 1.49 | 1.49 | 23.67 | 23.79 | ----- |
| 32.0 | 5.0 | 830 | -1 | ----- | ----- | ----- | 0.154 | 2.2 | ----- | 1.58 | ----- | 23.95 | ----- |
| 32.0 | 10.0 | 827 | -1 | ----- | ----- | ----- | 0.151 | 2.2 | ----- | 1.59 | ----- | 24.13 | ----- |
| 32.0 | 12.0 | 822 | -1 | 1.1 | 1.6 | 0.42 | 0.146 | 2.1 | ----- | 1.55 | 23.86 | 24.62 | ----- |
| 31.0 | 1.0 | 852 | -1 | ----- | ----- | ----- | 0.139 | 2.0 | ----- | 1.33 | ----- | 23.95 | 19.90 |
| 30.0 | 0.0 | 922 | -1 | ----- | ----- | ----- | 0.124 | 1.8 | ----- | 1.25 | ----- | 24.37 | ----- |
| 30.0 | 2.0 | 918 | -1 | 1.8 | 1.2 | 0.59 | 0.116 | 1.7 | 1.27 | 1.27 | ----- | 24.37 | ----- |
| 30.0 | 10.0 | 913 | -1 | 1.0 | 1.5 | 0.41 | 0.111 | 1.6 | ----- | 1.43 | 24.42 | 24.47 | ----- |
| 29.0 | 1.0 | 944 | 0 | ----- | ----- | ----- | 0.136 | 2.0 | ----- | 1.17 | ----- | 24.45 | 19.80 |
| 28.0 | 1.0 | 953 | 0 | ----- | ----- | ----- | 0.116 | 1.7 | ----- | 1.20 | ----- | 24.62 | 19.70 |
| 27.0 | 0.0 | 1019 | 1 | ----- | ----- | ----- | 0.092 | 1.4 | ----- | 0.99 | ----- | 24.79 | ----- |
| 27.0 | 2.0 | 1015 | 1 | 1.3 | 0.6 | 0.70 | 0.093 | 1.4 | 0.97 | 1.02 | 24.98 | 24.79 | ----- |
| 27.0 | 10.0 | 1009 | 1 | 0.9 | 0.7 | 0.59 | 0.078 | 1.2 | ----- | 1.13 | 24.99 | 24.79 | ----- |
| 26.0 | 1.0 | 1033 | 1 | ----- | ----- | ----- | 0.110 | 1.6 | ----- | 1.03 | ----- | 24.87 | 19.70 |
| 25.0 | 1.0 | 1047 | 1 | ----- | ----- | ----- | 0.128 | 1.9 | ----- | 1.02 | ----- | 24.87 | 19.50 |
| 24.0 | 0.0 | 1112 | 1 | ----- | ----- | ----- | 0.135 | 1.9 | ----- | 0.98 | ----- | 23.70 | 19.00 |
| 24.0 | 2.0 | 1109 | 1 | 2.7 | 0.8 | 0.78 | 0.138 | 2.0 | 0.97 | 0.98 | 23.79 | 23.79 | 19.00 |
| 24.0 | 8.0 | 1104 | 1 | 1.3 | 0.5 | 0.73 | 0.084 | 1.3 | ----- | 1.02 | 24.60 | 24.45 | 19.90 |
| 23.0 | 1.0 | 1127 | 1 | ----- | ----- | ----- | 0.180 | 2.5 | ----- | 1.11 | ----- | 23.70 | 19.00 |
| 22.0 | 1.0 | 1142 | 1 | ----- | ----- | ----- | 0.201 | 2.8 | ----- | 1.15 | ----- | 23.45 | 18.80 |
| 21.0 | 0.0 | 1219 | 1 | ----- | ----- | ----- | 0.119 | 1.7 | ----- | 1.07 | ----- | 24.04 | ----- |
| 21.0 | 2.0 | 1215 | 1 | 3.0 | 0.8 | 0.79 | 0.125 | 1.8 | 1.08 | 1.02 | 23.79 | 23.62 | ----- |
| 21.0 | 5.0 | 1210 | 1 | ----- | ----- | ----- | 0.104 | 1.5 | ----- | 1.04 | ----- | 24.29 | ----- |
| 21.0 | 10.0 | 1207 | 1 | ----- | ----- | ----- | 0.093 | 1.4 | ----- | 1.05 | ----- | 24.62 | ----- |
| 21.0 | 15.0 | 1202 | 1 | 1.6 | 1.1 | 0.59 | 0.095 | 1.4 | ----- | 1.12 | 25.01 | 24.79 | ----- |
| 22.0 | 1.0 | 1234 | 1 | ----- | ----- | ----- | 0.188 | 2.6 | ----- | 1.09 | ----- | 23.28 | 19.10 |
| 23.0 | 1.0 | 1251 | 1 | ----- | ----- | ----- | 0.177 | 2.5 | ----- | 1.06 | ----- | 23.79 | 19.00 |
| 24.0 | 1.0 | 1258 | 1 | ----- | ----- | ----- | 0.186 | 2.6 | ----- | 1.04 | ----- | 23.62 | 19.20 |
| 25.0 | 1.0 | 1309 | 1 | ----- | ----- | ----- | 0.185 | 2.6 | ----- | 1.02 | ----- | 24.70 | 19.40 |
| 26.0 | 1.0 | 1322 | 1 | ----- | ----- | ----- | 0.109 | 1.6 | ----- | 1.00 | ----- | 24.96 | 19.80 |
| 27.0 | 1.0 | 1332 | 1 | ----- | ----- | ----- | 0.129 | 1.9 | ----- | 1.07 | ----- | 24.87 | 19.90 |
| 28.0 | 1.0 | 1340 | 1 | ----- | ----- | ----- | 0.129 | 1.9 | ----- | 1.15 | ----- | 24.70 | 19.90 |
| 29.0 | 1.0 | 1349 | 1 | ----- | ----- | ----- | 0.124 | 1.8 | ----- | 1.11 | ----- | 24.62 | 19.90 |
| 30.0 | 1.0 | 1408 | 1 | ----- | ----- | ----- | 0.173 | 2.4 | ----- | 1.17 | ----- | 24.20 | 20.30 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|-------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.23 | 0.202 | 12.960 | 0.634 |
| EXCOF vs NEPHELOMETRY | 5 | 0.97 | 0.649 | 2.910 | 0.043 |
| SALINITY vs DISCR SALINITY | 9 | 0.71 | 4.058 | 0.836 | 0.332 |

LOCATION: South Bay Channel
DATE: 18 October 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 30.0 | 1.0 | 743 | 1 | ---- | ---- | ---- | 0.136 | 1.9 | ---- | 1.83 | ---- | 23.87 | 18.20 |
| 29.0 | 1.0 | 804 | 1 | ---- | ---- | ---- | 0.136 | 1.9 | ---- | 4.46 | ---- | 23.12 | 18.40 |
| 28.0 | 1.0 | 817 | 1 | ---- | ---- | ---- | 0.108 | 1.4 | ---- | 2.29 | ---- | 23.96 | 18.20 |
| 27.0 | 1.0 | 828 | 1 | ---- | ---- | ---- | 0.130 | 1.8 | ---- | 1.65 | ---- | 24.15 | 18.00 |
| 26.0 | 1.0 | 837 | 1 | ---- | ---- | ---- | 0.111 | 1.4 | ---- | 1.05 | ---- | 24.06 | 18.10 |
| 25.0 | 1.0 | 855 | 1 | ---- | ---- | ---- | 0.114 | 1.5 | ---- | 1.05 | ---- | 24.05 | 18.20 |
| 24.0 | 1.0 | 910 | 1 | ---- | ---- | ---- | 0.101 | 1.2 | ---- | 1.06 | ---- | 24.67 | 17.60 |
| 23.0 | 1.0 | 920 | 1 | ---- | ---- | ---- | 0.108 | 1.4 | ---- | 1.12 | ---- | 24.09 | 17.40 |
| 22.0 | 1.0 | 937 | 1 | ---- | ---- | ---- | 0.108 | 1.4 | ---- | 1.13 | ---- | 23.72 | 17.20 |
| 21.0 | 0.0 | 1016 | 1 | ---- | ---- | ---- | 0.100 | 1.2 | 1.18 | 1.25 | ---- | 24.33 | ---- |
| 21.0 | 1.0 | 1020 | 1 | ---- | ---- | ---- | 0.117 | 1.5 | ---- | 1.25 | ---- | 23.41 | 17.10 |
| 21.0 | 2.0 | 1013 | 1 | 1.1 | 1.0 | 0.52 | 0.091 | 1.0 | ---- | 1.34 | 24.81 | 24.84 | ---- |
| 21.0 | 5.0 | 1010 | 1 | ---- | ---- | ---- | 0.091 | 1.0 | ---- | 1.34 | ---- | 26.15 | ---- |
| 21.0 | 10.0 | 1007 | 1 | ---- | ---- | ---- | 0.089 | 1.0 | ---- | 1.32 | ---- | 26.97 | ---- |
| 21.0 | 15.0 | 1004 | 1 | 1.3 | 2.3 | 0.37 | 0.098 | 1.2 | ---- | 2.26 | 27.87 | 27.86 | ---- |
| 22.0 | 1.0 | 1025 | 1 | ---- | ---- | ---- | 0.114 | 1.5 | ---- | 1.10 | ---- | 24.41 | 17.30 |
| 23.0 | 1.0 | 1037 | 1 | ---- | ---- | ---- | 0.136 | 1.9 | ---- | 1.07 | ---- | 23.59 | 17.20 |
| 24.0 | 0.0 | 1109 | 1 | ---- | ---- | ---- | 0.132 | 1.8 | 1.02 | 0.98 | ---- | 23.73 | 17.50 |
| 24.0 | 2.0 | 1105 | 1 | 2.3 | 0.6 | 0.80 | 0.123 | 1.6 | ---- | 1.00 | 23.81 | 23.79 | ---- |
| 24.0 | 5.0 | 1101 | 1 | ---- | ---- | ---- | 0.085 | 0.9 | ---- | 1.07 | ---- | 24.89 | ---- |
| 24.0 | 9.0 | 1058 | 1 | 1.0 | 0.9 | 0.53 | 0.084 | 0.9 | ---- | 1.27 | ---- | 24.97 | ---- |
| 25.0 | 1.0 | 1126 | 1 | ---- | ---- | ---- | 0.098 | 1.2 | ---- | 0.99 | ---- | 24.44 | 17.90 |
| 26.0 | 1.0 | 1140 | 1 | ---- | ---- | ---- | 0.133 | 1.8 | ---- | 0.84 | ---- | 24.06 | 18.20 |
| 27.0 | 0.0 | 1208 | 1 | ---- | ---- | ---- | 0.113 | 1.5 | 0.82 | 0.81 | ---- | 24.13 | 18.30 |
| 27.0 | 2.0 | 1205 | 1 | 1.2 | 0.7 | 0.62 | 0.103 | 1.3 | ---- | 0.88 | ---- | 24.12 | ---- |
| 27.0 | 5.0 | 1201 | 1 | ---- | ---- | ---- | 0.108 | 1.4 | ---- | 0.87 | ---- | 24.12 | ---- |
| 27.0 | 10.0 | 1158 | 1 | 1.1 | 0.8 | 0.59 | 0.097 | 1.2 | ---- | 0.94 | ---- | 24.12 | ---- |
| 28.0 | 1.0 | 1222 | 1 | ---- | ---- | ---- | 0.139 | 2.0 | ---- | 0.90 | ---- | 24.24 | 18.20 |
| 29.0 | 1.0 | 1233 | 0 | ---- | ---- | ---- | 0.142 | 2.0 | ---- | 1.17 | ---- | 24.40 | 18.10 |
| 30.0 | 0.0 | 1309 | -1 | ---- | ---- | ---- | 0.112 | 1.4 | 1.39 | 1.41 | ---- | 24.31 | 18.30 |
| 30.0 | 2.0 | 1307 | -1 | 1.3 | 0.9 | 0.60 | 0.111 | 1.4 | ---- | 1.45 | ---- | 24.30 | ---- |
| 30.0 | 5.0 | 1304 | -1 | ---- | ---- | ---- | 0.099 | 1.2 | ---- | 1.69 | ---- | 24.29 | ---- |
| 30.0 | 14.0 | 1259 | -1 | 0.9 | 1.4 | 0.39 | 0.102 | 1.2 | ---- | 1.76 | ---- | 24.28 | ---- |
| 31.0 | 1.0 | 1331 | -1 | ---- | ---- | ---- | 0.152 | 2.2 | ---- | 1.52 | ---- | 24.13 | 18.40 |
| 32.0 | 0.0 | 1350 | -1 | ---- | ---- | ---- | 0.139 | 2.0 | 1.68 | 1.64 | ---- | 23.94 | 18.30 |
| 32.0 | 2.0 | 1347 | -1 | 2.0 | 1.1 | 0.64 | 0.147 | 2.1 | ---- | 1.58 | ---- | 23.80 | ---- |
| 32.0 | 10.0 | 1342 | -1 | 1.3 | 1.9 | 0.41 | 0.125 | 1.7 | ---- | 2.92 | ---- | 24.10 | ---- |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.59 | -0.668 | 18.802 | 0.309 |
| EXCOF vs NEPHELOMETRY | 5 | 0.98 | 0.387 | 4.524 | 0.057 |
| SALINITY vs DISCR SALINITY | 3 | 1.00 | 0.274 | 0.993 | 0.043 |

LOCATION: South Bay Channel
DATE: 27 Oct 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAED | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 1.0 | 829 | -1 | — | — | — | 0.146 | 2.3 | 1.39 | 1.26 | — | 23.20 | 18.70 |
| 32.0 | 2.0 | 825 | -1 | 1.9 | 1.0 | 0.66 | 0.134 | 2.1 | — | 1.35 | — | 23.51 | — |
| 32.0 | 8.0 | 820 | -1 | 1.8 | 1.1 | 0.63 | 0.134 | 2.1 | — | 1.53 | 23.68 | 23.66 | — |
| 31.0 | 1.0 | 840 | -1 | — | — | — | 0.133 | 2.0 | — | 1.24 | — | 23.62 | 18.60 |
| 30.0 | 1.0 | 907 | -1 | — | — | — | 0.152 | 2.5 | 1.15 | 1.26 | — | 23.57 | 18.60 |
| 30.0 | 2.0 | 905 | -1 | 1.7 | 1.0 | 0.62 | 0.132 | 2.0 | — | 1.17 | — | 23.87 | — |
| 30.0 | 5.0 | 859 | -1 | — | — | — | 0.117 | 1.7 | — | 1.20 | — | 23.95 | — |
| 30.0 | 10.0 | 855 | -1 | 1.2 | 0.8 | 0.60 | 0.117 | 1.7 | — | 1.26 | — | 23.74 | — |
| 29.0 | 1.0 | 926 | -1 | — | — | — | 0.117 | 1.7 | — | 1.09 | — | 23.99 | 18.20 |
| 28.0 | 1.0 | 936 | -1 | — | — | — | 0.130 | 2.0 | — | 1.05 | — | 24.10 | 18.20 |
| 27.0 | 2.0 | 1004 | -1 | 1.5 | 0.6 | 0.71 | 0.116 | 1.6 | 0.92 | 1.08 | — | 24.31 | — |
| 27.0 | 10.0 | 957 | -1 | 0.9 | 0.5 | 0.66 | 0.089 | 1.0 | — | 1.09 | 24.34 | 24.36 | — |
| 26.0 | 1.0 | 1016 | -1 | — | — | — | 0.123 | 1.8 | — | 0.99 | — | 24.44 | 18.20 |
| 25.0 | 1.0 | 1029 | -1 | — | — | — | 0.155 | 2.5 | — | 0.98 | — | 24.54 | 18.30 |
| 24.0 | 2.0 | 1058 | 0 | 2.9 | 0.7 | 0.80 | 0.151 | 2.4 | 1.02 | 1.01 | — | 24.61 | — |
| 24.0 | 5.0 | 1054 | -1 | — | — | — | 0.086 | 1.0 | — | 1.02 | — | 24.78 | — |
| 24.0 | 8.0 | 1051 | -1 | 1.2 | 0.6 | 0.67 | 0.082 | 0.9 | — | 1.06 | 24.77 | 24.75 | — |
| 23.0 | 1.0 | 1110 | 0 | — | — | — | 0.187 | 3.3 | — | 1.06 | — | 24.27 | 17.30 |
| 22.0 | 1.0 | 1125 | 1 | — | — | — | 0.177 | 3.0 | — | 1.05 | — | 24.39 | 17.40 |
| 21.0 | 0.0 | 1210 | 1 | — | — | — | 0.155 | 2.5 | 1.18 | 1.05 | — | 24.37 | 17.20 |
| 21.0 | 2.0 | 1206 | 1 | 2.4 | 0.7 | 0.78 | 0.123 | 1.8 | — | 1.05 | — | 24.86 | — |
| 21.0 | 5.0 | 1202 | 1 | — | — | — | 0.092 | 1.1 | — | 1.05 | — | 25.59 | — |
| 21.0 | 10.0 | 1158 | 1 | — | — | — | 0.089 | 1.0 | — | 1.12 | — | 26.05 | — |
| 21.0 | 15.0 | 1152 | 1 | 1.9 | 2.4 | 0.45 | 0.120 | 1.7 | — | 2.31 | 28.57 | 28.57 | — |
| 23.0 | 1.0 | 1238 | 1 | — | — | — | 0.158 | 2.6 | — | 1.03 | — | 24.57 | 17.40 |
| 24.0 | 1.0 | 1249 | 1 | — | — | — | 0.161 | 2.7 | — | 1.04 | — | 24.38 | 17.40 |
| 25.0 | 1.0 | 1259 | 1 | — | — | — | 0.260 | 4.9 | — | 0.94 | — | 24.80 | 18.50 |
| 26.0 | 1.0 | 1314 | 1 | — | — | — | 0.162 | 2.7 | — | 0.96 | — | 24.47 | 18.50 |
| 27.0 | 1.0 | 1323 | 1 | — | — | — | 0.168 | 2.8 | — | 0.97 | — | 24.24 | 18.40 |
| 28.0 | 1.0 | 1331 | 1 | — | — | — | 0.136 | 2.1 | — | 0.98 | — | 24.17 | 18.30 |
| 29.0 | 1.0 | 1340 | 1 | — | — | — | 0.117 | 1.7 | — | 1.01 | — | 24.01 | 18.20 |
| 30.0 | 1.0 | 1356 | 1 | — | — | — | 0.130 | 2.0 | — | 1.06 | — | 23.83 | 18.70 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.66 | -1.013 | 22.910 | 0.367 |
| EXCOF vs NEPHELOMETRY | 5 | 0.44 | 0.688 | 2.705 | 0.153 |
| SALINITY vs DISCR SALINITY | 4 | 1.00 | -1.337 | 1.059 | 0.027 |

LOCATION: South Bay Channel
DATE: 1 November 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 813 | 1 | ----- | ----- | ----- | 0.106 | 1.6 | ----- | 1.32 | 23.65 | 23.68 | ----- |
| 32.0 | 2.0 | 809 | 1 | 1.2 | 2.0 | 0.37 | 0.109 | 1.6 | 1.31 | 1.29 | ----- | 23.67 | ----- |
| 32.0 | 8.0 | 803 | 1 | 1.3 | 3.2 | 0.29 | 0.123 | 1.9 | ----- | 2.63 | 23.69 | 23.65 | ----- |
| 31.0 | 1.0 | 824 | 1 | ----- | ----- | ----- | 0.108 | 1.6 | ----- | 1.43 | ----- | 23.91 | 18.30 |
| 30.0 | 2.0 | 850 | 1 | 1.1 | 0.9 | 0.56 | 0.091 | 1.2 | 1.08 | 1.13 | 24.07 | 24.09 | ----- |
| 30.0 | 13.0 | 845 | 1 | 0.9 | 1.9 | 0.32 | 0.098 | 1.4 | ----- | 1.44 | 24.11 | 24.12 | ----- |
| 29.0 | 1.0 | 915 | 1 | ----- | ----- | ----- | 0.110 | 1.6 | ----- | 1.12 | ----- | 24.38 | 18.20 |
| 28.0 | 1.0 | 927 | 0 | ----- | ----- | ----- | 0.121 | 1.8 | ----- | 0.92 | ----- | 24.55 | 18.20 |
| 27.0 | 2.0 | 947 | -1 | 1.1 | 1.0 | 0.53 | 0.103 | 1.5 | 0.84 | 0.86 | 24.70 | 24.68 | ----- |
| 27.0 | 10.0 | 942 | -1 | 0.8 | 1.1 | 0.43 | 0.087 | 1.2 | ----- | 0.94 | 24.78 | 24.74 | ----- |
| 26.0 | 1.0 | 1001 | -1 | ----- | ----- | ----- | 0.122 | 1.9 | ----- | 0.86 | ----- | 24.86 | 17.80 |
| 25.0 | 1.0 | 1016 | -1 | ----- | ----- | ----- | 0.116 | 1.7 | ----- | 0.89 | ----- | 25.11 | 17.30 |
| 24.0 | 2.0 | 1039 | -1 | 1.8 | 1.0 | 0.65 | 0.053 | 0.5 | ----- | 0.97 | 25.38 | 25.42 | ----- |
| 24.0 | 9.0 | 1034 | -1 | 1.2 | 1.1 | 0.52 | 0.082 | 1.1 | ----- | 1.08 | 25.57 | 25.55 | ----- |
| 23.0 | 1.0 | 1053 | -1 | ----- | ----- | ----- | 0.122 | 1.9 | ----- | 1.00 | ----- | 25.23 | 16.60 |
| 22.0 | 1.0 | 1106 | -1 | ----- | ----- | ----- | 0.110 | 1.6 | ----- | 0.98 | ----- | 25.46 | 16.60 |
| 21.0 | 0.0 | 1139 | -1 | ----- | ----- | ----- | 0.134 | 2.1 | ----- | 0.96 | ----- | 25.05 | ----- |
| 21.0 | 2.0 | 1134 | -1 | 3.9 | 1.1 | 0.78 | 0.181 | 3.0 | 1.01 | 0.95 | ----- | 25.05 | ----- |
| 21.0 | 15.0 | 1128 | -1 | 1.3 | 1.0 | 0.56 | 0.089 | 1.2 | ----- | 0.95 | 25.88 | 25.88 | ----- |
| 22.0 | 1.0 | 1158 | -1 | ----- | ----- | ----- | 0.108 | 1.6 | ----- | 0.96 | ----- | 25.36 | 16.70 |
| 23.0 | 1.0 | 1215 | -1 | ----- | ----- | ----- | 0.147 | 2.3 | ----- | 0.95 | ----- | 25.15 | 16.70 |
| 24.0 | 1.0 | 1227 | -1 | ----- | ----- | ----- | 0.108 | 1.6 | ----- | 1.00 | ----- | 25.36 | 17.10 |
| 25.0 | 1.0 | 1243 | -1 | ----- | ----- | ----- | 0.108 | 1.6 | ----- | 0.97 | ----- | 24.94 | 17.90 |
| 26.0 | 1.0 | 1259 | -1 | ----- | ----- | ----- | 0.114 | 1.7 | ----- | 0.93 | ----- | 24.73 | 18.10 |
| 27.0 | 1.0 | 1316 | -1 | ----- | ----- | ----- | 0.114 | 1.7 | ----- | 1.07 | ----- | 24.42 | 18.30 |
| 28.0 | 1.0 | 1323 | -1 | ----- | ----- | ----- | 0.109 | 1.6 | ----- | 1.04 | ----- | 24.32 | 18.30 |
| 30.0 | 1.0 | 1355 | -1 | ----- | ----- | ----- | 0.125 | 1.9 | ----- | 1.21 | ----- | 23.59 | 18.50 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.52 | -0.497 | 19.278 | 0.661 |
| EXCOF vs NEPHELOMETRY | 4 | 0.95 | 0.495 | 3.018 | 0.056 |
| SALINITY vs DISCR SALINITY | 9 | 1.00 | -0.891 | 1.042 | 0.030 |

LOCATION: SOUTH BAY CHANNEL
 DATE: 29 NOVEMBER 1983

| STATH NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 21.0 | 1.0 | 1008 | -1 | — | — | — | 0.085 | 1.0 | 1.13 | 1.16 | — | 19.05 | 12.60 |
| 21.0 | 2.0 | 1027 | -1 | 1.1 | 0.5 | 0.70 | 0.081 | 0.9 | — | 1.14 | — | 19.40 | — |
| 21.0 | 5.0 | 1023 | -1 | — | — | — | 0.076 | 0.8 | — | 1.16 | — | 19.88 | — |
| 21.0 | 10.0 | 1018 | -1 | 0.5 | 1.0 | 0.36 | 0.069 | 0.7 | — | 1.19 | — | 20.80 | — |
| 21.0 | 14.0 | 1014 | -1 | — | — | — | 0.066 | 0.6 | — | 1.22 | 24.43 | 24.39 | — |
| 22.0 | 1.0 | 1057 | -1 | — | — | — | 0.082 | 1.0 | — | 1.25 | 18.98 | 18.78 | 12.70 |
| 23.0 | 1.0 | 1114 | -1 | — | — | — | 0.082 | 1.0 | — | 1.13 | — | 18.35 | 12.60 |
| 24.0 | 1.0 | 1122 | -1 | — | — | — | 0.079 | 0.9 | 1.13 | 1.21 | — | 19.21 | 12.70 |
| 24.0 | 2.0 | 1138 | -1 | 1.0 | 0.8 | 0.55 | 0.084 | 1.0 | — | 1.21 | — | 18.99 | — |
| 24.0 | 8.0 | 1133 | -1 | 0.6 | 1.6 | 0.27 | 0.079 | 0.9 | — | 1.71 | — | 19.59 | — |
| 25.0 | 1.0 | 1202 | -1 | — | — | — | 0.089 | 1.1 | — | 1.49 | — | 20.08 | 12.70 |
| 26.0 | 1.0 | 1217 | -1 | — | — | — | 0.092 | 1.2 | — | 1.41 | — | 20.35 | 12.60 |
| 27.0 | 1.0 | 1230 | -1 | — | — | — | 0.114 | 1.7 | 1.18 | 1.07 | — | 20.38 | 12.50 |
| 27.0 | 2.0 | 1242 | -1 | 1.8 | 0.7 | 0.72 | 0.099 | 1.3 | — | 1.11 | — | 20.43 | — |
| 27.0 | 10.0 | 1237 | -1 | 0.9 | 1.7 | 0.35 | 0.087 | 1.1 | — | 1.79 | 20.90 | 20.95 | — |
| 28.0 | 1.0 | 1300 | -1 | — | — | — | 0.092 | 1.2 | — | 1.34 | — | 20.99 | 12.50 |
| 29.0 | 1.0 | 1313 | -1 | — | — | — | 0.101 | 1.4 | — | 1.33 | — | 21.02 | 12.50 |
| 30.0 | 1.0 | 1336 | -1 | — | — | — | 0.120 | 1.8 | 1.96 | 1.94 | — | 20.88 | 12.20 |
| 30.0 | 2.0 | 1349 | -1 | 1.8 | 1.7 | 0.52 | 0.124 | 1.9 | — | 1.98 | — | 20.69 | — |
| 30.0 | 12.0 | 1342 | -1 | 1.3 | 2.2 | 0.36 | 0.104 | 1.5 | — | 2.36 | 20.97 | 21.02 | — |
| 31.0 | 1.0 | 1410 | -1 | — | — | — | 0.136 | 2.2 | — | 1.91 | — | 19.69 | 12.10 |
| 32.0 | 1.0 | 1421 | -1 | — | — | — | 0.149 | 2.5 | — | 2.08 | — | 18.85 | — |
| 32.0 | 2.0 | 1433 | -1 | 2.1 | 1.7 | 0.55 | 0.142 | 2.3 | — | 2.08 | 18.80 | 18.95 | — |
| 32.0 | 8.0 | 1427 | -1 | 2.1 | 1.2 | 0.63 | 0.117 | 1.8 | — | 2.27 | — | 19.98 | — |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.81 | -0.934 | 22.929 | 0.278 |
| EXCOF vs NEPHELOMETRY | 4 | 0.96 | 0.684 | 2.791 | 0.100 |
| SALINITY vs DISCR SALINITY | 5 | 1.00 | 1.976 | 0.916 | 0.151 |

LOCATION: South Bay Channel
DATE: 12 December 1983

| STATN NUMBR | DEPTH | TIME | TIDE | DISCR CHL A | DISCR PHAEO | CHLA/ A+PHA | FLUOR | CALC CHL A | EXCOF (SD) | CALC EXCOF | DISCR SALIN | SALIN | TEMP |
|----------------|-------|------|------|----------------|----------------|----------------|-------|---------------|---------------|---------------|----------------|-------|-------|
| 32.0 | 0.0 | 921 | -1 | — | — | — | 0.106 | 1.7 | 1.96 | 1.97 | — | 18.65 | 11.90 |
| 32.0 | 2.0 | 917 | -1 | 1.5 | 1.0 | 0.61 | 0.105 | 1.7 | — | 2.22 | — | 18.89 | — |
| 32.0 | 5.0 | 914 | -1 | — | — | — | 0.103 | 1.6 | — | 2.47 | — | 19.22 | — |
| 32.0 | 8.0 | 910 | -1 | 1.3 | 2.2 | 0.37 | 0.107 | 1.8 | — | 3.14 | 19.20 | 19.22 | — |
| 31.0 | 1.0 | 935 | -1 | — | — | — | 0.095 | 1.3 | — | 1.75 | — | 19.22 | 11.90 |
| 30.0 | 0.0 | 1002 | -1 | — | — | — | 0.111 | 1.9 | 1.61 | 1.60 | — | 19.23 | — |
| 30.0 | 2.0 | 958 | -1 | 3.3 | 0.6 | 0.85 | 0.139 | 3.0 | — | 1.36 | — | 19.21 | — |
| 30.0 | 10.0 | 952 | -1 | 0.9 | 0.6 | 0.61 | 0.080 | 0.7 | — | 1.48 | — | 19.68 | — |
| 29.0 | 1.0 | 1026 | -1 | — | — | — | 0.104 | 1.6 | — | 1.48 | — | 19.39 | 11.80 |
| 28.0 | 1.0 | 1036 | -1 | — | — | — | 0.104 | 1.6 | — | 1.35 | — | 19.40 | 11.90 |
| 27.0 | 0.0 | 1100 | -1 | — | — | — | 0.113 | 2.0 | 1.31 | 1.36 | — | 19.18 | 11.80 |
| 27.0 | 2.0 | 1057 | -1 | 1.0 | 0.7 | 0.60 | 0.086 | 0.9 | — | 1.38 | — | 19.58 | — |
| 27.0 | 10.0 | 1053 | -1 | 0.7 | 1.0 | 0.40 | 0.078 | 0.6 | — | 1.58 | 21.24 | 21.23 | — |
| 26.0 | 1.0 | 1115 | -1 | — | — | — | 0.092 | 1.2 | — | 1.33 | — | 19.62 | 11.80 |
| 25.0 | 1.0 | 1128 | -1 | — | — | — | 0.108 | 1.8 | — | 1.37 | — | 20.10 | 11.80 |
| 24.0 | 0.0 | 1153 | -1 | — | — | — | 0.142 | 3.1 | 1.49 | 1.44 | 16.05 | 16.05 | 12.00 |
| 24.0 | 2.0 | 1149 | -1 | 1.5 | 0.8 | 0.66 | 0.104 | 1.6 | — | 1.44 | 17.59 | 17.57 | — |
| 24.0 | 8.0 | 1144 | -1 | 0.6 | 0.8 | 0.42 | 0.078 | 0.6 | — | 1.50 | — | 19.23 | — |
| 23.0 | 1.0 | 1211 | -1 | — | — | — | 0.089 | 1.0 | — | 1.45 | — | 16.63 | 11.80 |
| 22.0 | 1.0 | 1225 | -1 | — | — | — | 0.092 | 1.2 | — | 1.44 | — | 18.27 | 11.80 |
| 21.0 | 0.0 | 1257 | 0 | — | — | — | 0.084 | 0.9 | 1.39 | 1.39 | — | 18.50 | 11.90 |
| 21.0 | 2.0 | 1251 | 0 | 0.9 | 0.5 | 0.63 | 0.088 | 1.0 | — | 1.39 | — | 18.41 | — |
| 21.0 | 5.0 | 1248 | 0 | — | — | — | 0.076 | 0.6 | — | 1.19 | — | 19.88 | — |
| 21.0 | 10.0 | 1243 | 0 | — | — | — | 0.078 | 0.6 | — | 1.44 | — | 20.49 | — |
| 21.0 | 15.0 | 1240 | 0 | 0.6 | 1.0 | 0.39 | 0.076 | 0.5 | — | 1.58 | — | 22.03 | — |
| 22.0 | 1.0 | 1312 | 1 | — | — | — | 0.098 | 1.4 | — | 1.44 | — | 17.03 | 11.80 |
| 23.0 | 1.0 | 1326 | 1 | — | — | — | 0.089 | 1.0 | — | 1.44 | — | 16.39 | 11.90 |
| 24.0 | 1.0 | 1337 | 1 | — | — | — | 0.085 | 0.9 | — | 1.45 | — | 17.42 | 11.80 |
| 25.0 | 1.0 | 1350 | 1 | — | — | — | 0.101 | 1.5 | — | 1.37 | — | 20.02 | 11.90 |
| 26.0 | 1.0 | 1404 | 1 | — | — | — | 0.114 | 2.0 | — | 1.35 | — | 18.49 | 12.10 |
| 27.0 | 1.0 | 1412 | 1 | — | — | — | 0.108 | 1.8 | — | 1.30 | — | 19.48 | 12.10 |
| 28.0 | 1.0 | 1424 | 1 | — | — | — | 0.104 | 1.6 | — | 1.31 | — | 19.35 | 11.90 |
| 29.0 | 1.0 | 1431 | 1 | — | — | — | 0.120 | 2.2 | — | 1.32 | — | 19.30 | 12.00 |
| 30.0 | 1.0 | 1450 | 1 | — | — | — | 0.111 | 1.9 | — | 1.50 | — | 19.21 | 12.10 |

| REGRESSION | N | R^2 | A | B | Syx |
|----------------------------|----|------|--------|--------|-------|
| CHL A vs FLUORESCENCE | 10 | 0.92 | -2.382 | 38.515 | 0.235 |
| EXCOF vs NEPHELOMETRY | 5 | 0.98 | 0.883 | 2.714 | 0.039 |
| SALINITY vs DISCR SALINITY | 4 | 1.00 | 0.323 | 0.989 | 0.021 |