State of California | The Resources Agency

Memorandum

Date : April 19, 1995

To : 1. Acting Division Chief
2. Carlos Madrid

From : Rick Woodard, Chief
Water Quality Assessment Section
Division of Local Assistance
Department of Water Resources

Subject: *1992-1993 Biennial Memorandum Report of the Municipal Water Quality Investigations Program*

Here is the *1992-1993 Biennial Memorandum Report of the Municipal Water Quality Investigations Program* by the Water Quality Assessment Section of the Division of Local Assistance.

This data report was produced for the Municipal Water Quality Investigations Program in compliance with terms of the funding agreement between the Department of Water Resources and the State Water Contractors.

The report presents the data from monitoring water quality changes in the Delta during the calendar years, 1992 and 1993. During this time, key Delta channel and river stations and agricultural drains were monitored for trihalomethane formation potential as carbon, certain trace metals, and minerals. Ranges of parameters such as EC, bromide, DOC, THMFP, and TFPC for the Delta were obtained.

For further information on the Municipal Water Quality Investigations Program, contact Rick Woodard at (916) 327-1636, or Judy Heath at (916) 327-1672 of the Division of Local Assistance, Department of Water Resources.

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DWR 155 (Rev. 2/86)	Zemitis 4/19	A. Heath 4/19/95	R. Woodard 4/19/95

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I. SUMMARY

This report summarizes water quality data collected in the Sacramento-San Joaquin Delta under the Municipal Water Quality Investigations Program during the calendar years 1992 and 1993. Water year 1992 was classified as critically dry and water year 1993 was above normal based on the Sacramento River Index. Under the MWQI Program, major channel stations and agricultural drains were monitored on a monthly basis. Several times a year, synoptic surveys were also conducted where many stations were sampled in a three-day period with all channel stations being sampled on the same day.

Water samples were measured for total concentrations of organic precursors to trihalomethanes, a disinfection by-product formed during water treatment. Disinfection by-products are becoming increasingly important to water treatment managers because of impending regulations. Water samples were also analyzed for standard minerals and selected sites were analyzed for trace metals.

The data are summarized in this report. All data collected during this two-year period are presented in the Appendix. Selected data from the major channel stations and from all agricultural drains are summarized in plotted figures. An interpretive report which will cover five years of water quality data (1992-97) will provide detailed analysis the water quality trends.

The following trends which have been observed and reported in previous MWQI reports, continue to be seen:

- The station at the North Bay Aqueduct pumping plant at Barker Slough is substantially influenced by local agricultural drainage. Concentrations of organics and minerals at this station are higher than at most other stations in either the North or South Delta.

- There are peaks in dissolved organic concentrations in the winter and spring months of each year.

- In general, the South Delta stations exhibit higher organic and mineral concentrations than stations in the North Delta.

- High bromide concentrations were seen in the South Delta during the fall months of 1992. These high bromide concentrations are a result of seawater intrusion into the Delta during a season of low river flow into the Delta.

- Copper and mercury were not detected at all channel stations. Arsenic was detected at concentrations (0.003 mg/l and less) below the Maximum Contaminant Level (0.05 mg/l) at a few channel stations.

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- In general, the agricultural drainage from the more organic soils had a greater dissolved organic concentration than the agricultural drainage from intermediate organic soils. However, there were a few exceptions: low values for dissolved organics were observed in agricultural drainage from two islands that had peaty soils.

- High concentrations of organics and high specific conductance in the agricultural drains were observed in the fall and winter. This coincides with the time that farmers siphon water onto the fields to remove salts.

- In 1993, an above normal water year, high concentrations of organics were also observed in the spring, possibly due to drainage from precipitation runoff.

In conclusion, the water quality in the channels varies dramatically with the time of year, the location of a particular site within the Delta, and with the type of water year in general. However, water quality in the Southern part of the Delta tends to be well-mixed. As far as agricultural drainage from Delta islands, soil type appears to affect the concentration of dissolved organics in agricultural drainage, although it is not the only factor. Probably, hydrology of a particular island, degree of precipitation and dilution factors also affect the concentrations of organics in agricultural drainage.

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II. PROGRAM DESCRIPTION

A. Purpose

The MWQI Program staff collect water quality data for numerous purposes. The data are used to:

(1) Alert water agencies about potential contaminant sources to Delta water supplies,

(2) Document water quality under a variety of hydrologic conditions for studying water transfer alternatives, water quality standards, and predictive modeling capabilities,

(3) Determine the influence of sea water intrusion, local and external sources of farm drainage, river input, in-channel processes, weather, and State Water Project and Central Valley Project operations on Delta drinking water quality. Selenium, bromide, and other inorganic constituents are used to trace the movement and mixing of water from different sources, and

(4) Assist the Department and other participating water agencies in planning, protecting, and improving drinking water quality.

B. Program Advisors

The MWQI advisory committee provides policy level guidance and recommends program modifications as needed to respond to changing drinking water quality concerns. The technical subcommittee provides specific expertise in laboratory methodologies, regulatory updates, and review of the analyses, interpretation, and reporting of program data. The Delta Lands Advisory committee assists the Department with permission to sample drainages and provides information about farming activities in the Delta. The committees also review and comment on the program reports and give advice on program expenditures.

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Table 1. 1992-93 Program Advisors and Participants

Municipal Water Quality Advisory Committee

Chairperson: James U. McDaniel.....California Department of Water Resources

Bruce Agee.....California Department of Water Resources
George Baumli.....State Water Contractors
Doug Chun.....Alameda County Water District
Duane Georgeson.....The Metropolitan Water District of Southern California
Lyle N. Hoag.....California Urban Water Agencies
Roger James.....Santa Clara Valley Water District
Austin Nelson.....Contra Costa Water District

Technical Subcommittee

Chairperson: Richard P. Woodard.....California Department of Water Resources

Bruce Agee.....California Department of Water Resources
Mark Beuhler.....The Metropolitan Water District of Southern California
Francis Chung.....California Department of Water Resources
John Coburn.....State Water Contractors
Andrew Florendo.....Alameda County Flood Control and Water Conservation District, Zone 7
Greg Gartrell.....Contra Costa Water District
Judith Heath.....California Department of Water Resources
Lyle N. Hoag.....California Urban Water District
Bob Hultquist.....California Department of Health Services
Tom Howard.....State Water Resources Control Board
Roger James.....Santa Clara Valley Water District
Marvin Jung.....Marvin Jung & Associates
Stuart Krasner.....The Metropolitan Water District of Southern California
Bruce Kuebler.....City of Los Angeles Department of Water and Power
Michael Lanier.....Alameda County Water District
Bruce Macler.....U.S. Environmental Protection Agency
John Marchand.....Alameda County Water District
Edward Means.....The Metropolitan Water District of Southern California
Alexis Milea.....California Department of Health Services
Dale Newkirk.....East Bay Municipal Utility District
Hoover Ng.....City of Los Angeles Department of Water and Power
Kusum Perera.....California Department of Health Services

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Table 1. 1992-93 Program Advisors and Participants (cont.)

Technical Subcommittee (cont.)

Walt Wadlow.....Santa Clara Valley Water District
Dennis Westcot.....Central Valley Regional Water Quality Control Board
Roy Wolfe.....The Metropolitan Water District of Southern California

Delta Lands Advisory Committee

Chairperson: Richard P. Woodard.....California Department of Water Resources

Bruce Agee.....California Department of Water Resources
Jack Baber.....Reclamation District 1004
Mike Catino.....California Central Valley Flood Control Association
Thomas M. Hardesty.....Reclamation District 2068
Judith Heath.....California Department of Water Resources
Alex Hildebrand.....Reclamation District 2075 and South Delta Water Agency
Marvin Jung.....Marvin Jung and Associates
Donald Kienlan.....Murray, Burns, and Kienlan Engineers
James Shanks.....Reclamation District 38
John Winther.....Delta Wetlands, Inc.

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C. Monitoring Stations

The MWQI Program staff coordinate several monitoring tasks including the monthly monitoring of key Delta stations, synoptic surveys to study sea water intrusion, Delta island drainage sampling, and special studies.

Water quality is a public health concern at major water supply intakes in the Delta. Five stations that are monitored routinely include the:

(1) American River Water Treatment Plant intake that serves the City of Sacramento (Station 1)

(2) North Bay Pumping Plant (Station 87) that serves Solano and Napa Counties.

(3) Rock Slough at Old River (Station 9), 4 miles east of the Contra Costa Water District intake.

(4) Harvey O. Banks Delta Pumping Plant Headworks (Station 12), which is the headworks of the California Aqueduct.

(5) Delta Mendota Canal Intake at Lindemann Road (Station 11), which is upstream of the Tracy Pumping Plant for the Delta-Mendota Canal.

In addition to these stations, other monitoring locations in the Delta provide information about the transport and mixing of Delta waters and enable a more comprehensive evaluation of water quality conditions.

Synoptic surveys were performed to trace the movement of water entering the State Water Project, the Central Valley Project, and Contra Costa Water District pumping facilities. The synoptic surveys took place over three day periods at 30 channel stations and 42 drains. All channel stations, however, were sampled in one day. There were six synoptic surveys conducted each year. The synoptic survey data is not separated from the regular monthly sampling data for the purposes of this report. A separate interpretive report will be published in the future that will analyze the data of the synoptic surveys.

Autosamplers were used in 1993 to study the daily variation of some water quality parameters. Samples were collected every 24 hours for electrical conductivity (EC), dissolved organic carbon (DOC), and ultraviolet absorbance at 254 nanometers (UVA_{254nm}). Autosamplers were installed at two agricultural drains (King Island and Mandeville Island) and a channel station (Middle River at Borden Highway). Because the use of autosamplers was only introduced in 1993, these data will be discussed in the 1994 MWQI Annual Report.

Table 2. Monitoring Stations

STATION ID	DWR STATION #	STATION NAME	STATION ABBREV.	TYPE
1	A0714010	American River at W.T.P	AMERICAN	HF
2	B9D82071327	Sacramento River at Greene's Ldg.	GREENES	HF
3	B9D81781448	Cache Slough @ Vallejo P.P.	CACHE	HF
7	B9D80371300	Little Connection Sl. @ Empire Tr.	LCONNECT	HF
8	B9V80361299	Ag Drain on Empire Tract, W.end 8-Mi.Rd.	AGDEMPIRE	AD
9	B9D75841348	Rock Slough @ Old River	ROCKSL	HF
10	KA000000	Clifton Court Intake	CLIFTON	HF
11	B9C74901336	DMC Intake @ Lindemann Rd.	DMC	HF
12	KA000331	Delta P.P. Headworks	BANKS	HF
13	B9D75351293	Middle R. @ Borden Hwy.	MIDDLER	HF
14	B0702000	San Joaquin R. near Vernalis	VERNALIS	HF
17	E0B80261551	Sacramento River @ Mallard Island	MALLARDIS	HF
20	A0V83681312	Natomas Main Drain	NATOMAS	AD
21	B9V80541310	Ag Drain on Bouldin Tract, PP. No. 1	BOULDIN1	AD
22	B9V80611335	Ag Drain on Bouldin Tract, PP. No. 2	BOULDIN2	AD
25	B9V80461224	Ag Drain on King Island, PP. No. 1	KINGISPP01	AD
26	B9V80271262	Ag Drain on King Island, PP. No. 2	KINGISPP02	AD
27	B9V80331273	Ag Drain on King Island, PP. No. 3	KINGISPP03	AD
44	B9V74811246	Ag Drain on Pescadero Tr., PP. No. 1	PESCADERO01	AD
45	B9V74811241	Ag Drain on Pescadero Tr., PP. No. 2	PESCADERO02	AD
46	B9V74821231	Ag Drain on Pescadero Tr., PP. No. 3	PESCADERO03	AD
51	B9V80271282	Ag Drain on Rindge Tract, PP. No. 2	RINDGEPP02	AD
60	B9V75641318	Ag Drain on Upper Jones Tr., PP. No. 2	UPJONESPP02	AD
61	B9V80671368	Ag Drain on Brannan Island, PP. No. 1	BRANNANPP01	AD
62	B9V80711377	Ag Drain on Brannan Island, PP. No. 2	BRANNANPP02	AD
63	B9V80721385	Ag Drain on Brannan Island, PP. No. 3	BRANNANPP03	AD
64	B9V80741398	Ag Drain on Brannan Island, PP. No. 4	BRANNANPP04	AD
65	B9V74961340	Ag Drain on Clifton Court	AGDCLIFTON	AD
68	B9V74781220	Ag Drain on Pescadero Tract, PP. No. 4	PESCADERO04	AD
69	B9V74661251	Ag Drain on Pescadero Tract, PP. No. 5	PESCADERO05	AD
75	B0704000	San Joaquin R. @ Maze Rd. Bridge	MAZE	HF
76	B9V75651318	Ag Drain on Lower Jones Tr., PP. No. 1	LJONES01	AD
77	B9V75831305	Ag Drain on Lower Jones Tr., PP. No. 2	LJONES02	AD
87	B9D81661478	Barker Sl @ North Bay PP	BARKERNOBAY	HF
88	B9D80961411	Sacramento River @ Rio Vista Bridge	SACRRIOVISTA	HF
91	B9D80361275	Honker Cut at Atherton Road Bridge	HONKER	HF
100	B9D75891348	Old R. N/O Rock Sl (St 4b)	STATION04B	HF
103	B9D75351342	Old R. nr. Byron (St 9)	STATION09	HF
105	B9D74971331	West Canal at Clifton Court FB Intake	WSTCANCLIFT	HF
107	B9D81481305	Delta Cross Channel Gate nr Walnut Grove	DELTACRCHAN	HF
108	B9D81441309	Georgiana Slough at Walnut Grove Bridge	GEORGSLWALNUT	HF
110	B9D75741317	Middle River at Bacon Island Bridge	MRIVBACON	HF
111	B9D75011229	Middle River at Mowry Bridge (Undine Rd)	MIDMOWRY	HF
112	B9D75881285	Turner Cut at McDonald Island Ferry	TURNERCUT	HF
113	B9D80191348	Old River at Sand Mound Slough	SANDMOUND	HF
114	B9D80011307	Middle River near Latham Sl (Ferry Site)	LATHAM	HF

Table 2. Monitoring Stations (cont.)

STATION ID	DWR STATION #	STATION NAME	STATION ABBREV.	TYPE
115	B9D80031294	Connection Sl. at Mandeville Isl Bridge	CONNMAND	HF
117	B9D75651333	Santa Fe-Bacon Island Cut nr Old River	SANTAFEBACON	HF
118	B9D75481334	Woodward/N. Victoria Canal nr Old River	NVICWOOD	HF
119	B9D75171329	North Canal nr Old River	NORTHCAN	HF
121	B9D74931328	Grant Line/Fabian/Bell Canals nr Old R.	GRANTOLD	HF
122	B9D74891331	Old River U/S from DMC Intake	OLDRIVDMC	HF
123	B9V80451387	Ag Drain on Webb Tract, PP. No. 1	WEBB01	AD
124	B9V80381361	Ag Drain on Webb Tract, PP. No. 2	WEBB02	AD
125	B9V75931350	Ag Drain on Holland Tract, PP. No. 1	HOLLAND01	AD
126	B9V80011348	Ag Drain on Holland Tract, PP. No. 2	HOLLAND02	AD
127	B9V80111361	Ag Drain on Holland Tract, PP. No. 3	HOLLAND03	AD
128	BV75881342	Ag Drain on Bacon Island, PP. No. 1	BACON01	AD
129	B9V80031328	Ag Drain on Bacon Island, PP. No. 2	BACON02	AD
130	B9D80311413	San Joaquin River at Jersey Point	SJRJERSEY	HF
131	B9D80301377	False River at Southerly Tip of Webb Tr.	FALSETIP-WEBB	HF
132	B9D74951331	Old River 6/10 mile below DMC intake.	OLDR-DMC-CLIFT	HF
133	B9591000	Contra Costa PP Number 01	CONCOSPP1	HF
140	B9V80881307	Ag Drain on Staten Island PP. No. 1	STATENPP01	AD
141	B9V80751335	Ag Drain on Staten Island PP. No. 2	STATENPP02	AD
142	B9V80481319	Ag Drain on Venice Island	VENICE	AD
143	B9V85491328	Ag Drain on Woodward Island	WOODWARDPP	AD
144	B9V80041319	Ag Drain on Mandeville Island PP. No. 01	MANDEVILLEPP01	AD
145	B9V80291321	Ag Drain on Mandeville Island PP. No. 02	MANDEVILLEPP02	AD
146	B9V85571345	Ag Drain on Orwood Tract	ORWOODPP	AD
147	B9V85651349	Ag Drain on Palm Tract	PALMTRPP	AD
411	B9D80771345	Mokelumne R. below Georgiana Sl	MOKGEORGIANA	HF
413	B9D80691298	L. Potato Slough @ Terminous	LPOTTERM	HF
602	B9D74711184	San Joaquin R. @ Mossdale Bridge	SJRMOSSDALE	HF
604	B9D74731285	Old River near Tracy	OLDRTRACY	HF
605	B9D75291273	Middle R @ Tracy Rd Bdg	MRIVTRACY	HF
606	B9D74921269	Grant Ln Can @ Tracy Rd Bdg	GRANTLNCAN	HF

Type Code:
AD refers to an agricultural drain.
HF refers to a nondrainage station. The H code referred to the Interagency Health Aspects Monitoring Program station and the F code stands for freshwater sample type.

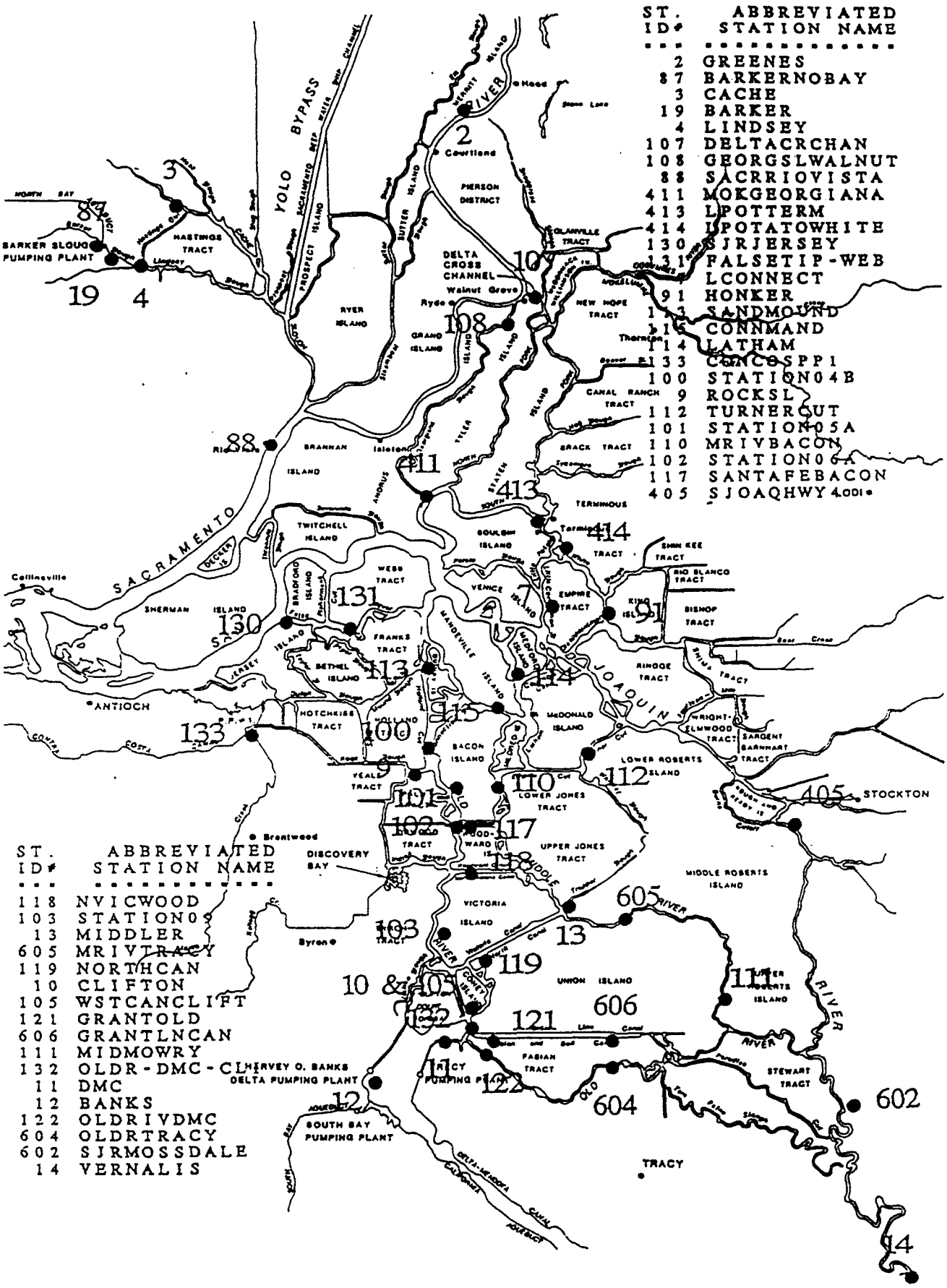
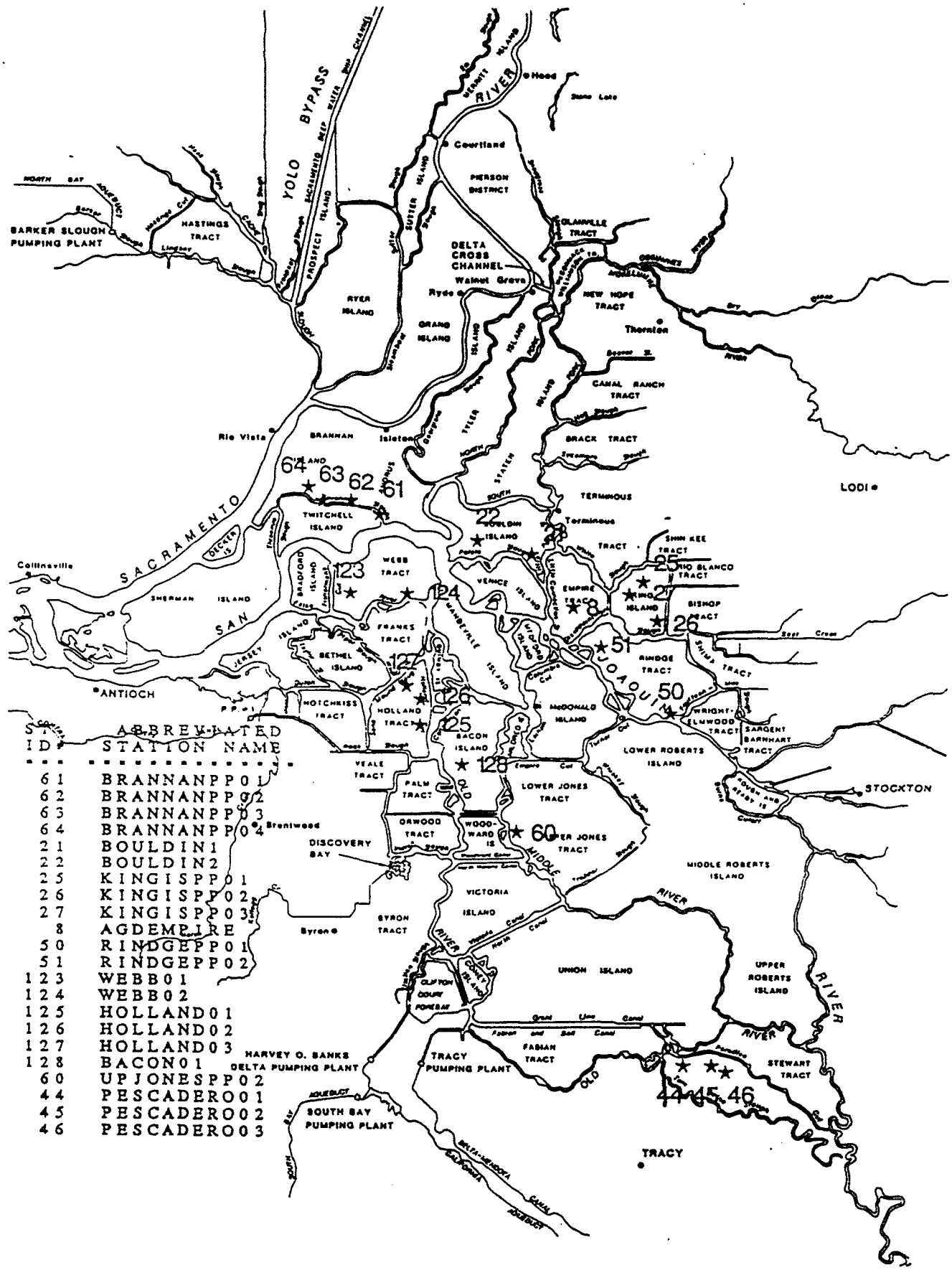


Figure 1.1. Monitored Channel Stations



STATION ID #	ABBREVIATED STATION NAME
61	BRANNANPP01
62	BRANNANPP02
63	BRANNANPP03
64	BRANNANPP04
21	BOULDIN1
22	BOULDIN2
25	KINGISPP01
26	KINGISPP02
27	KINGISPP03
8	AGDEMPIRE
50	RINDGEPP01
51	RINDGEPP02
123	WEBB01
124	WEBB02
125	HOLLAND01
126	HOLLAND02
127	HOLLAND03
128	BACON01
60	UPJONESPP02
44	PESCADERO01
45	PESCADERO02
46	PESCADERO03

Figure 1.2. Monitored Agricultural Drainage Pump Stations

D. Field Sampling Methods

Samples are collected in a specially designed stainless steel bucket developed by DWR. The sample bucket is equipped with two Teflon® valves to dispense the collected water. Before the bucket is used, it is washed in detergent, rinsed in tap water, and air dried. For some analyses, the samples are filtered in the field with a 0.45 micrometer filter using a peristaltic pump with Teflon® tubing.

A Yellow Springs Instrument® (YSI) electrical conductivity/temperature meter is used to record EC and temperature. The Hellige® colorimetric kit or a Beckman® Model 10 portable pH meter was used to determine pH. Dissolved oxygen was measured with a Yellow Springs Instruments® Model 50 dissolved oxygen meter. All electrical conductivity meters, pH meters and dissolved oxygen meters are calibrated before use on each data collection run.

Filtered samples for volatile organic analyses (VOA) were collected in 40 milliliter glass vials. Sample containers were completely filled to eliminate air space and air bubbles. The caps of the 40 milliliter vials were fitted with Teflon® coated septa, as specified by the U.S. Environmental Protection Agency. Samples were kept on ice, or refrigerated and delivered to the laboratory within 24 hours of collection.

Separate sample containers were collected for laboratory measurements of bromide and ultraviolet absorbance at 254 nanometers ($UVA_{254\,nm}$).

At least one blind field duplicate was collected on each sampling run (usually one duplicate in seven to ten samples). The duplicates were submitted to the laboratories with the regular samples as a quality assurance check.

E. Analytical Methods

THMFP/TFPC Analysis

The total trihalomethane formation potential carbon (TFPC) results are computed by summing the amount of carbon in each of the four trihalomethane (THM) species in the DWR THMFP assay. The TFPC represents the amount of organic carbon that was converted to a trihalomethane under the DWR assay. This method allows comparison of raw water THM organic precursor levels to the anticipated THM levels after water treatment.

At the laboratory, water samples for THMFP analysis were chlorinated (inoculated) with about 120 mg/l chlorine. This high dosage was used to assure a chlorine residual after the 7-day incubation period at 25 degrees Celsius. At the end of seven days, the chlorine residual was determined. The residual chlorine was then quenched using sodium thiosulfate, and the sample was analyzed for trihalomethanes by the gas chromatograph purge and trap

method, EPA Method 502.2. For a more complete description of the modified THMFP analytical method, see the description of the modified THMFP assay on page 90 of The Five-Year Report of the Municipal Water Quality Investigations Program 1987-1991 published by DWR. THM analyses were performed at Pace Environmental Laboratory from January through June 1992 and at Clayton Environmental Laboratory from July 1992 through December 1993 (see Appendix A- Data Quality Review).

DWR's Bryte Chemical Laboratory performed mineral, trace element, and some organic analyses. Further detail about laboratory methods used by Bryte Laboratory may be found in Appendix A and in The Five-Year Report of the Municipal Water Quality Investigations Program 1987-1991, published by DWR.

III. MONITORING RESULTS

A. Delta Channels

1. Organic Constituents

Dissolved Organic Carbon

The results of DOC analyses at major channel stations in the North Delta are shown in Figure 3. At the Barker North Bay pumping plant, DOC concentrations ranged from about 5 to 24 mg/l, whereas at the major Sacramento and American River stations, the DOC concentrations were less than 5 mg/l. There were peaks in DOC concentrations for all stations in the months of January and February of both years, probably due to winter storm runoff. Another peak is seen in June 1992, probably due to local agricultural drainage.

DOC concentrations at major channel stations in the South Delta are shown in Figure 4. These concentrations varied similarly over time and ranged from about 2 to 11 mg/l. As in the North Delta, there were peaks in DOC concentrations in January and February of both years that was probably the result of seasonal storms. Somewhat lower level peaks in May probably represent typical summer agricultural drainage from the San Joaquin Valley and local agricultural drainage.

Trihalomethane Formation Potential

The results of THMFP analyses at major channel stations in the North Delta are shown in Figure 5. These concentrations vary similarly to the DOC concentrations in Figure 3. The concentrations range from 200 to 1600 μg/l with the concentrations at Barker North Bay pumping plant being greater than the other channel stations. There appears to be more agricultural runoff at Barker North Bay pumping plant than in the Sacramento River.

South Delta THMFP analyses results at major channel stations are shown in Figure 6. These THMFP concentrations are generally somewhat higher than those in the North Delta with less difference in values between the different stations. This close pattern of values implies that there are similar levels of precursor material at these stations and that the water in the South Delta stations is relatively well mixed.

Total THM Formation Potential Carbon

Figures 7 and 8 show total trihalomethane formation potential as carbon for the North and South Delta, respectively. These figures show the same data as Figures 5 and 6, but in the units of TFPC. The range of TFPC for both regions is from 16 to 160 μg/l.

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Figure 3: North Delta DOC Ranges (1992-93)

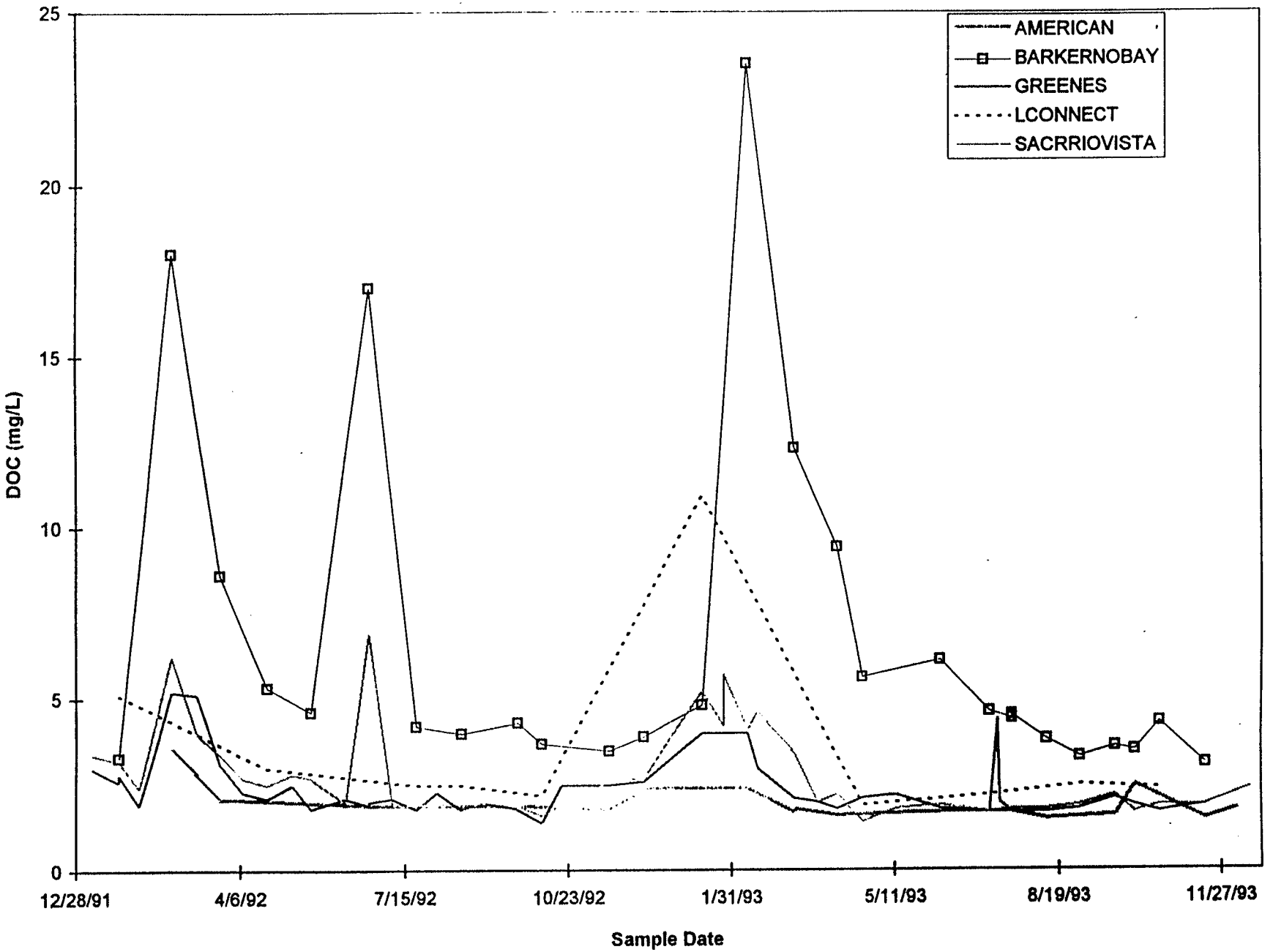

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Figure 4: South Delta DOC Ranges (1992-93)

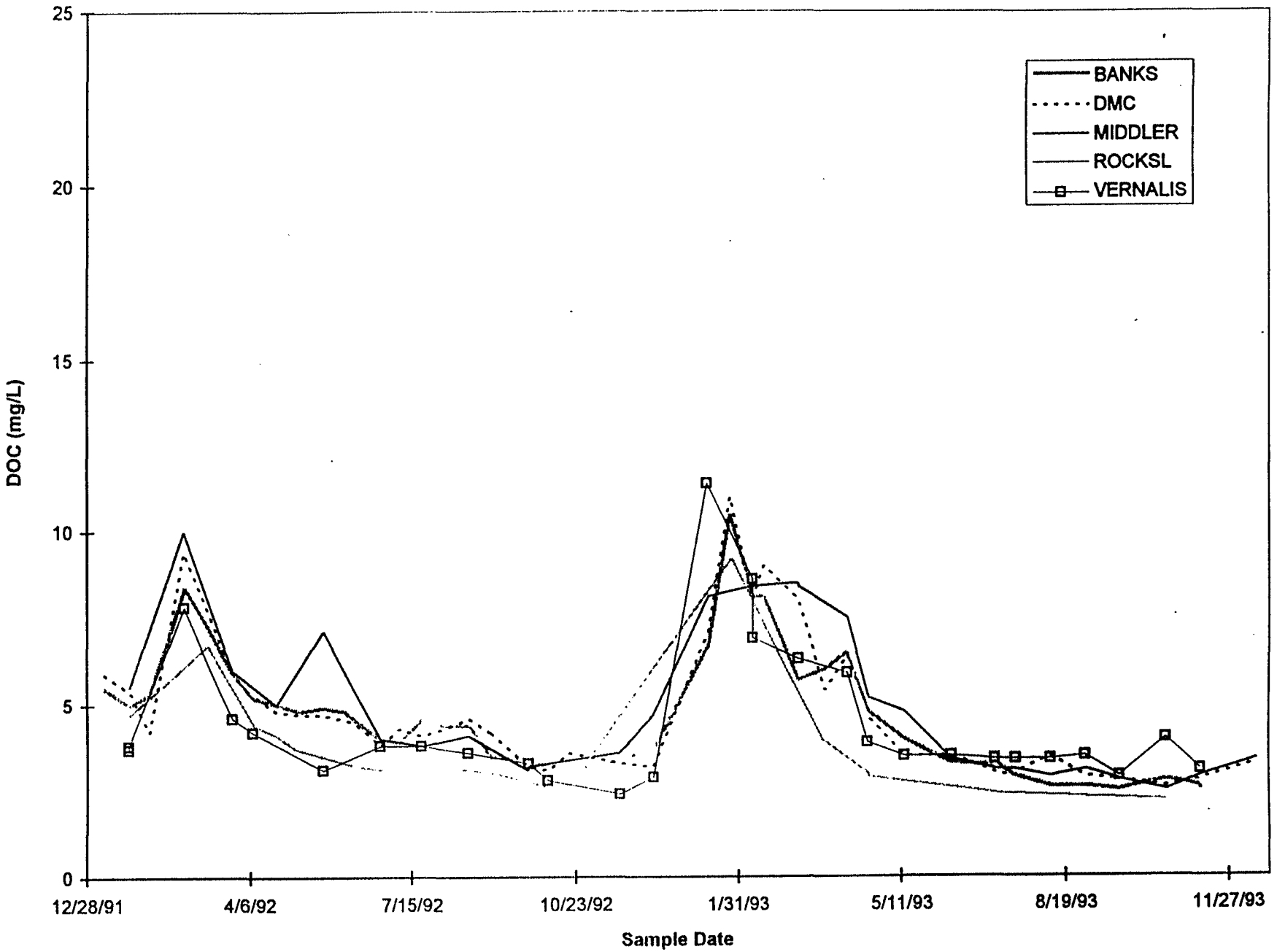

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Figure 5: North Delta THMFP Ranges (1992-93)

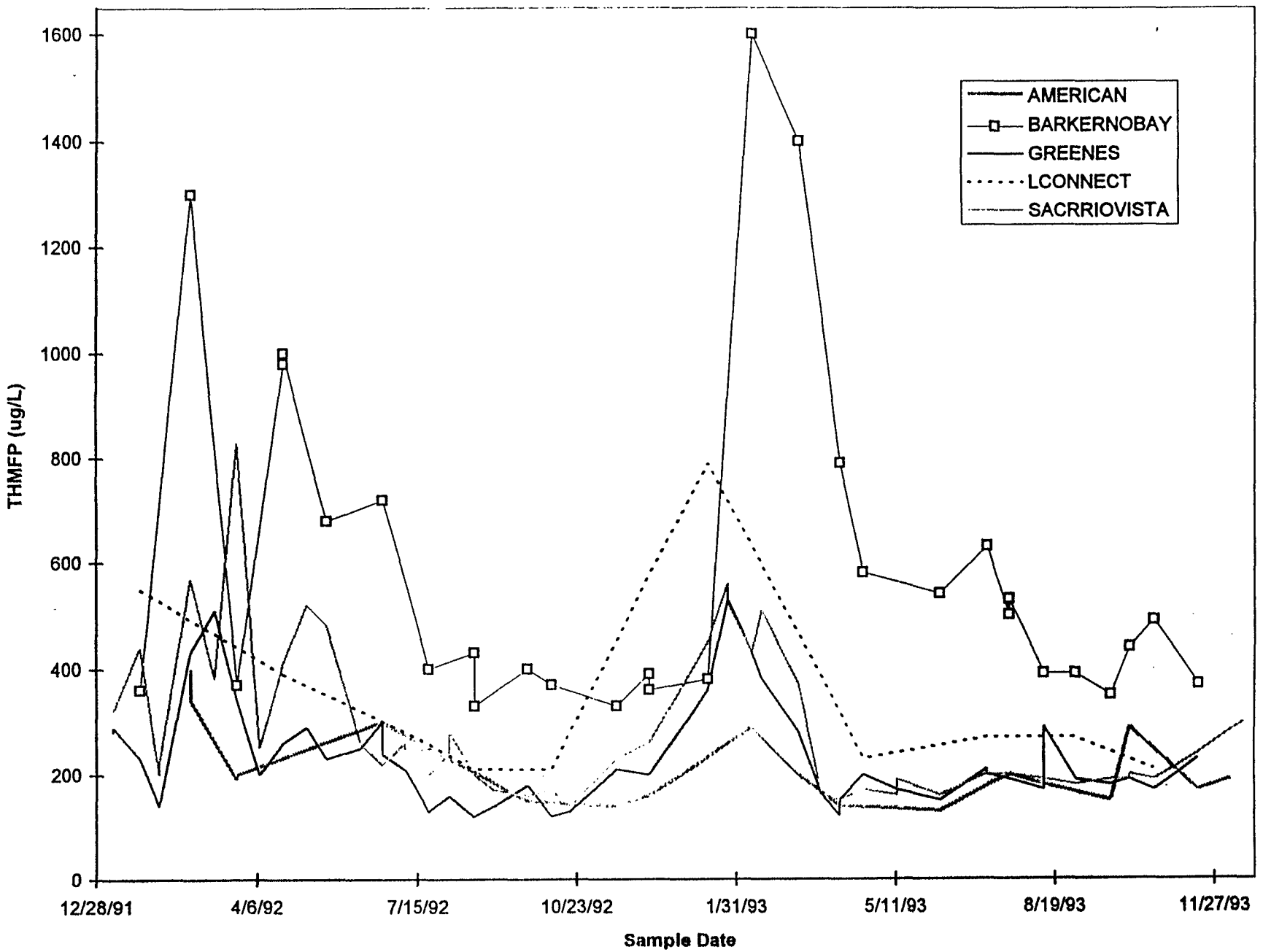

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Figure 6: South Delta THMFP Ranges (1992-93)

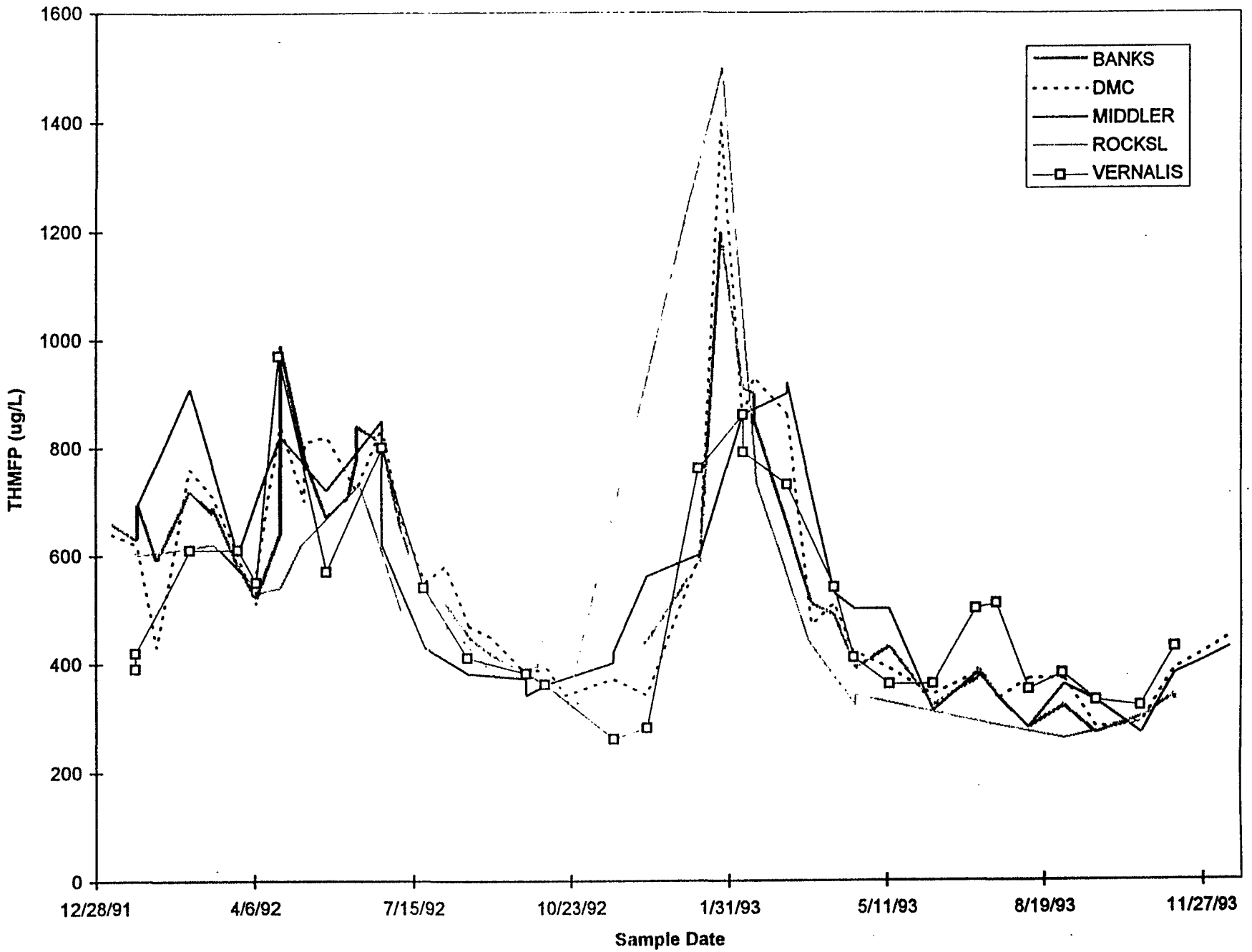

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Figure 7:North Delta TFPC Ranges (1992-93)

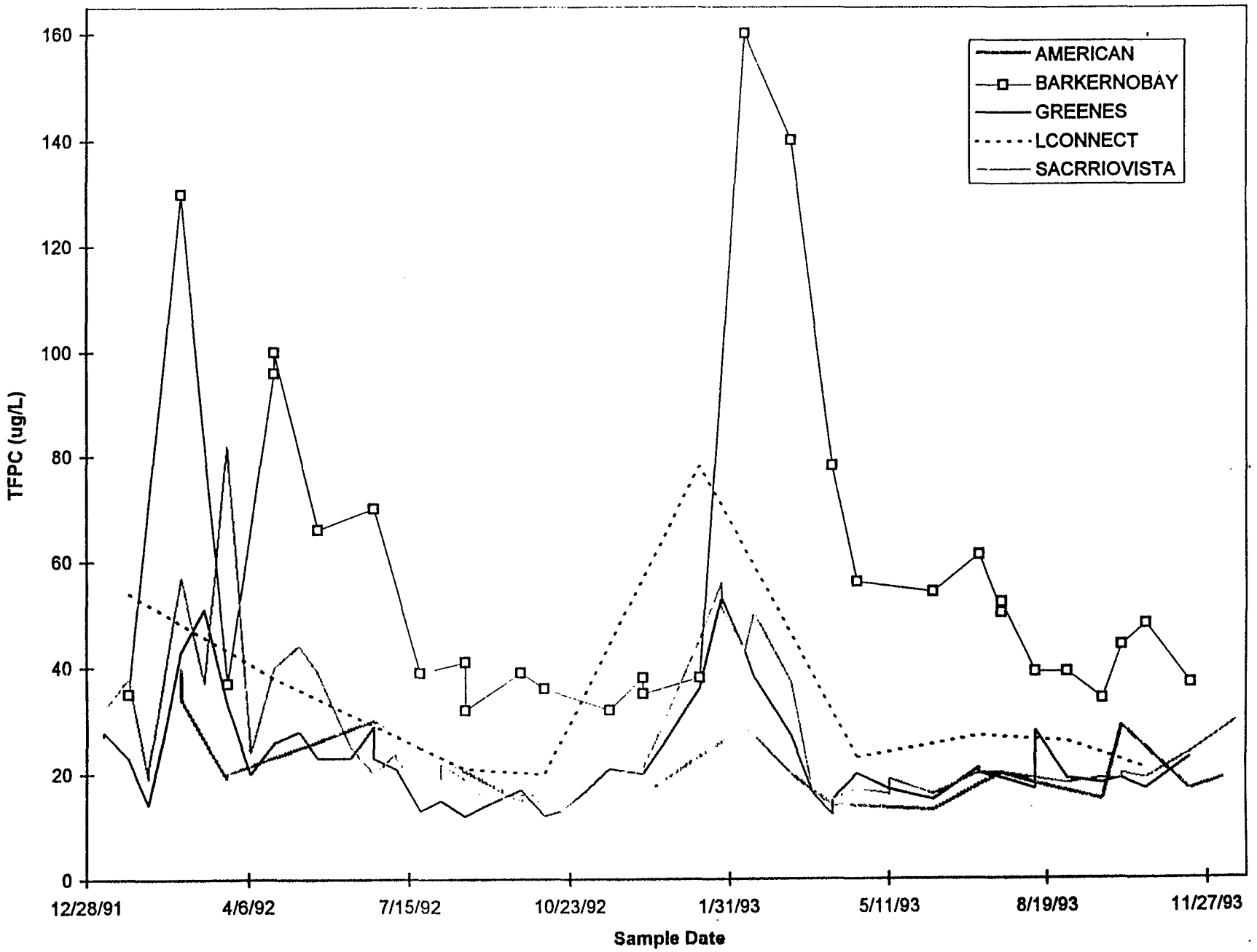

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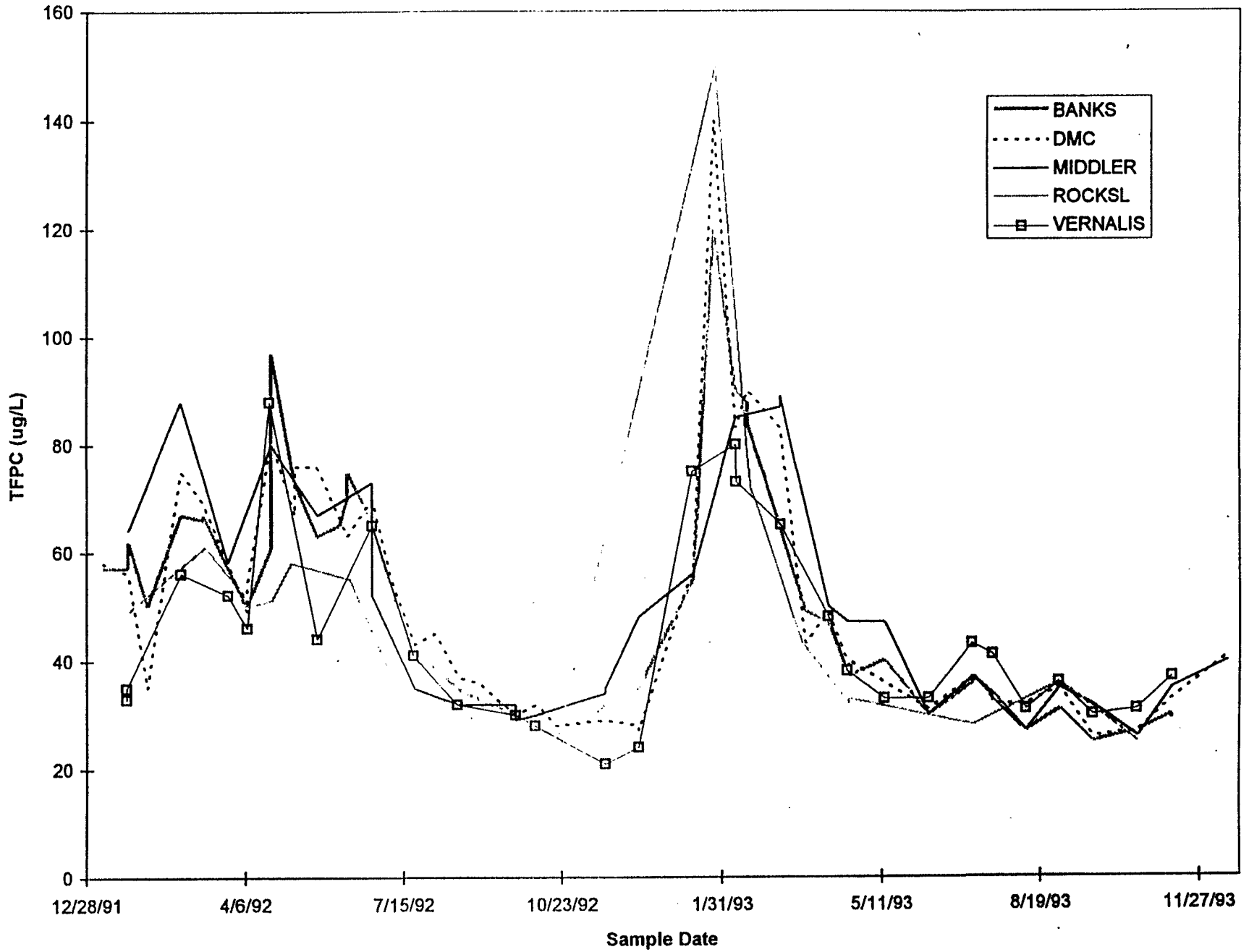
Figure 8: South Delta TFPC Ranges (1992-93)



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2. Minerals

Specific Conductance

The EC measurements at major channel stations are shown in Figures 9 and 10. EC fluctuated greatly depending on the station with the specific conductance for Sacramento River at Rio Vista and at Barker North Bay pumping plant having the highest EC value (150-700 microsiemens per centimeter). EC readings at the American River at the Water Treatment Plant intake were lowest at about 50 microsiemens per centimeter. The fluctuating readings at Sacramento River at Rio Vista are a result of tidal influence at this station. The high readings at the North Bay Aqueduct pumping plant at Barker Slough in the summer months are probably a result of local agricultural drainage. The low specific conductance at the American River station shows little tidal influence.

In the South Delta, EC ranges were higher than those in the North Delta varying from about 200 to 1200 microsiemens per centimeter. However, these readings show less variability than those in the North Delta. The EC readings at Harvey O. Banks pumping plant are less variable than the Delta-Mendota canal because of the Clifton Court forebay operations. The highest reading was at the San Joaquin River near Vernalis (almost 1200 microsiemens per centimeter) that was probably a result of upstream drainage discharges. The periodic high readings at the Delta-Mendota canal are a result of tidal influence, and probably also reflect the influence of the San Joaquin River.

Bromide

Figure 11 shows bromide ranges at North Delta channel stations. Bromide concentrations were highest at the Sacramento River at Rio Vista (0.03 to 0.48 mg/l) showing significant variation due to tidal influence. Bromide concentrations at the Sacramento River at Greenes Landing, Little Connection Slough at Empire Tract, and the North Bay Aqueduct pumping plant at Barker Slough were similar and ranged from below the reporting limit to 0.05 mg/l showing little if any tidal influence at these three stations.

South Delta bromide ranges are shown in Figure 12. There was a peak in bromide concentrations for all stations in July-October 1992. The highest peak in bromide concentration was at Rock Slough (approximately 0.8 mg/l) reflecting significant seawater intrusion during the dry months of 1992.

Figure 9: North Delta EC Ranges (1992-93)

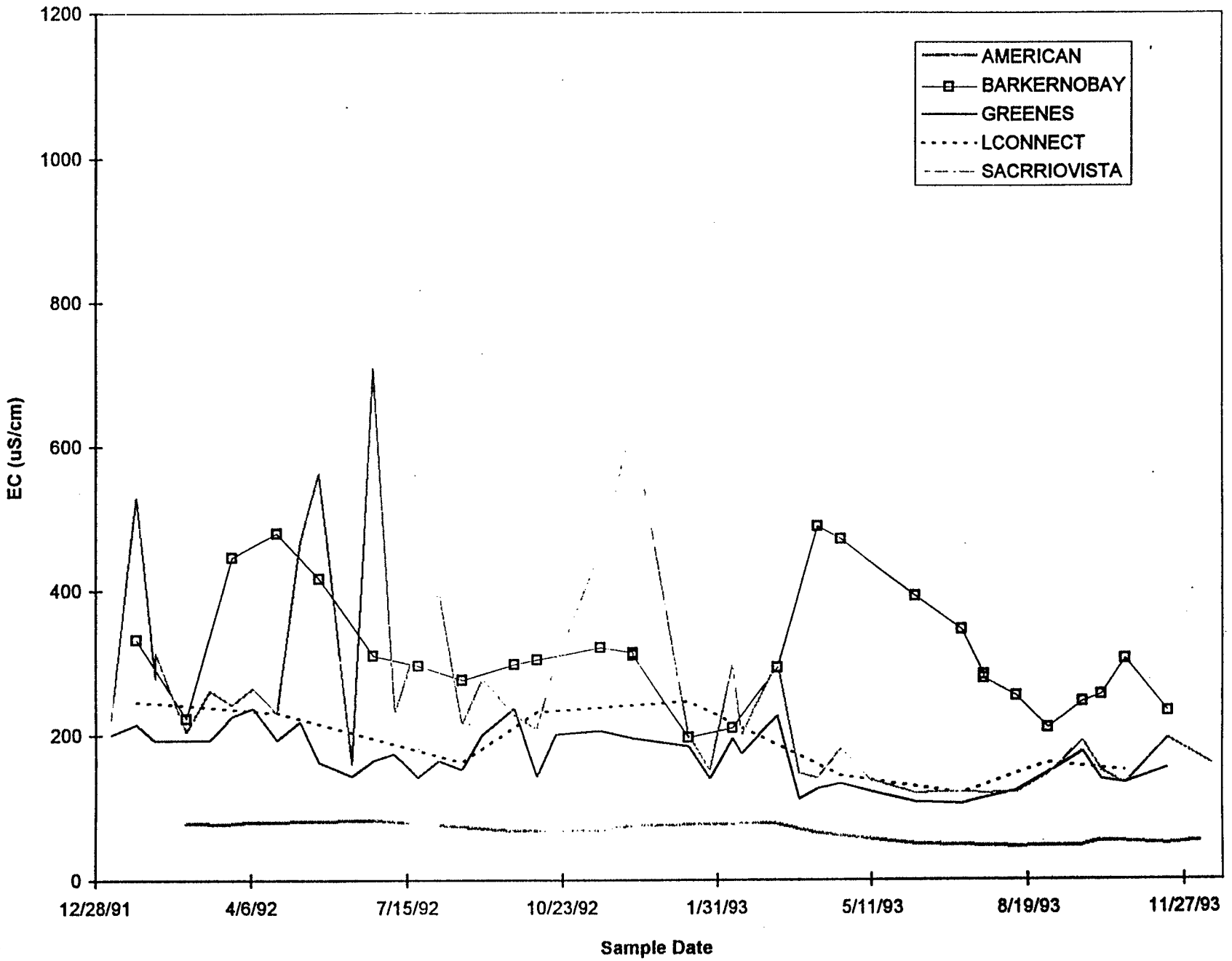

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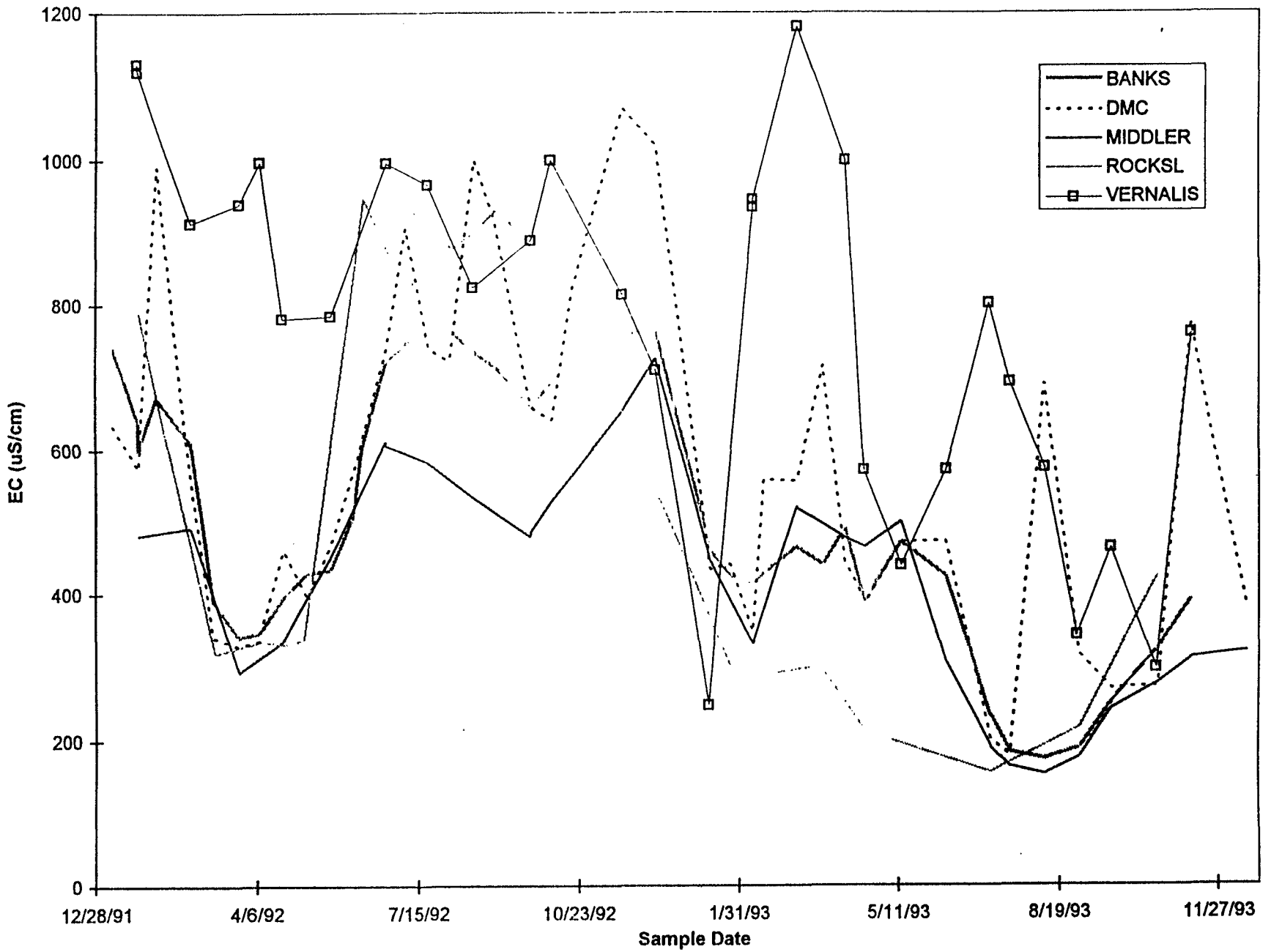
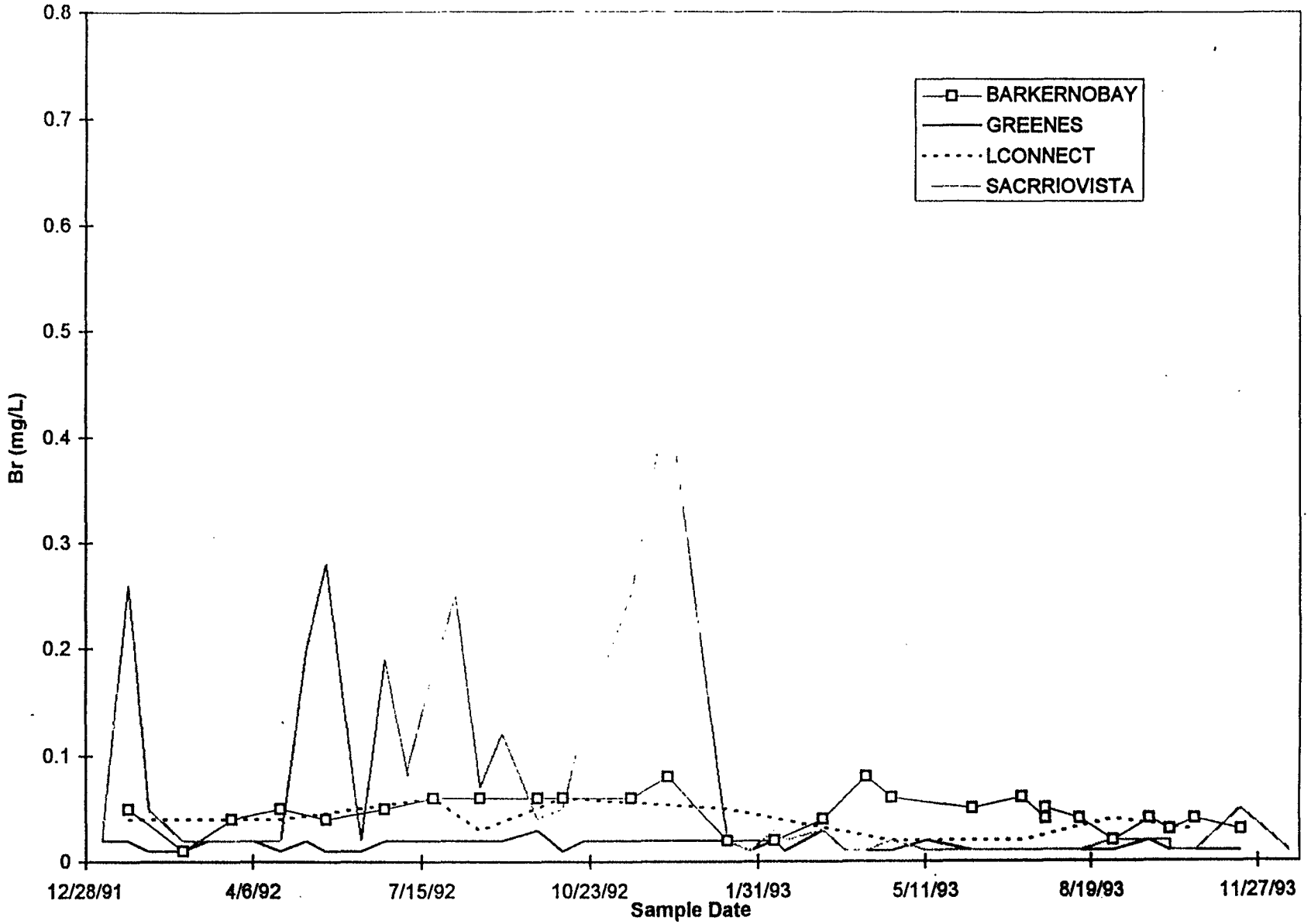
Figure 10: South Delta EC Ranges (1992-93)



C-031106

C-031106

Figure 11: North Delta Br Ranges (1992-93)

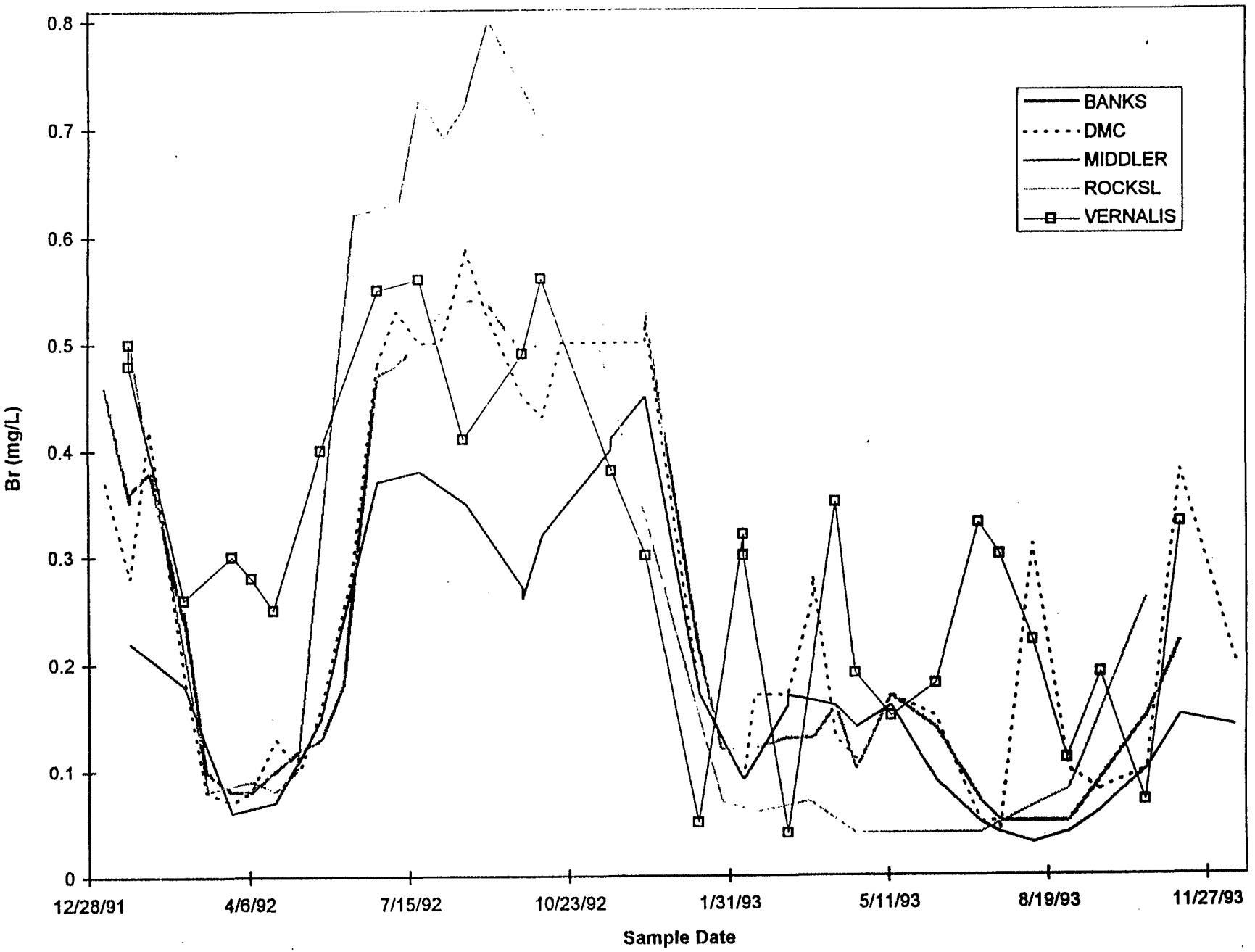


The reporting limit was 0.01 mg/L for all stations. Bromide concentrations at the American River station were below the reporting limit throughout the entire study period and therefore are not shown on this graph.

C-031107

C-031107

Figure 12: South Delta Br Ranges (1992-93)



C-031108

C-031108

3. Metals

Arsenic, copper and mercury were analyzed at major channel stations. All copper and mercury analyses were below the levels of reporting (at reporting limits of 0.005 mg/l and 0.001 mg/l, respectively). Arsenic was detected at some stations at low concentrations. For example, arsenic was detected at Banks pumping plant at a concentration of 0.002 mg/l, at Barker North Bay pumping plant at a concentration of 0.003 mg/l, and at the San Joaquin River near Vernalis and Greenes Landing at concentrations ranging from below the reporting limit of 0.001 mg/l to 0.003 mg/l. (The current maximum contaminant level for arsenic is 0.050 mg/l). The highest arsenic levels were seen in June-July and in September-October.

B. Agricultural Drains

1. Organic Constituents

A comprehensive analysis of temporal and spatial patterns in DOC, TFPC, THM and $UVA_{254\ nm}$ was presented in the MWQI Five-Year Report 1987-1991. Patterns seen in 1992 and 1993 followed those seen in earlier years. The results from the agricultural drains are related to the soil types of the respective areas. Figure 13 shows different soil types in the Delta (1994, MWQI Five-Year Report 1987-1991). According to this figure, soils are classified as either mineral, intermediate organic, or peaty. Mineral soils are defined as soils that have less than ten percent organic matter and peaty soils are defined as soils that have fifty to eighty percent organic matter.

Dissolved Organic Carbon

DOC concentrations for all agricultural drains sampled (see Figure 2) are shown in Figure 14. All samples taken in 1992 are shown here with the x-axis being the calendar month (1=January, 2=February, etc.). DOC concentrations ranged from about 3 mg/l at the agricultural drain on Bacon Island, pumping plant No. 1, to about 63 mg/l at an agricultural drain on Bouldin Tract, pumping plant No. 2. Both the soil types on Bacon Island and Bouldin Tract are peaty. The high DOC values occurred in January and September of 1992.

In 1993 (Figure 15), DOC ranges varied similarly over the year as in 1992. The DOC concentrations ranged from about 3 mg/l at the agricultural drain on Bouldin Tract, pumping plant No. 1 to a high of about 75 mg/l at the agricultural drain on Bouldin Tract, pumping plant No. 2. Bouldin Tract has soil that is generally classified as peaty.

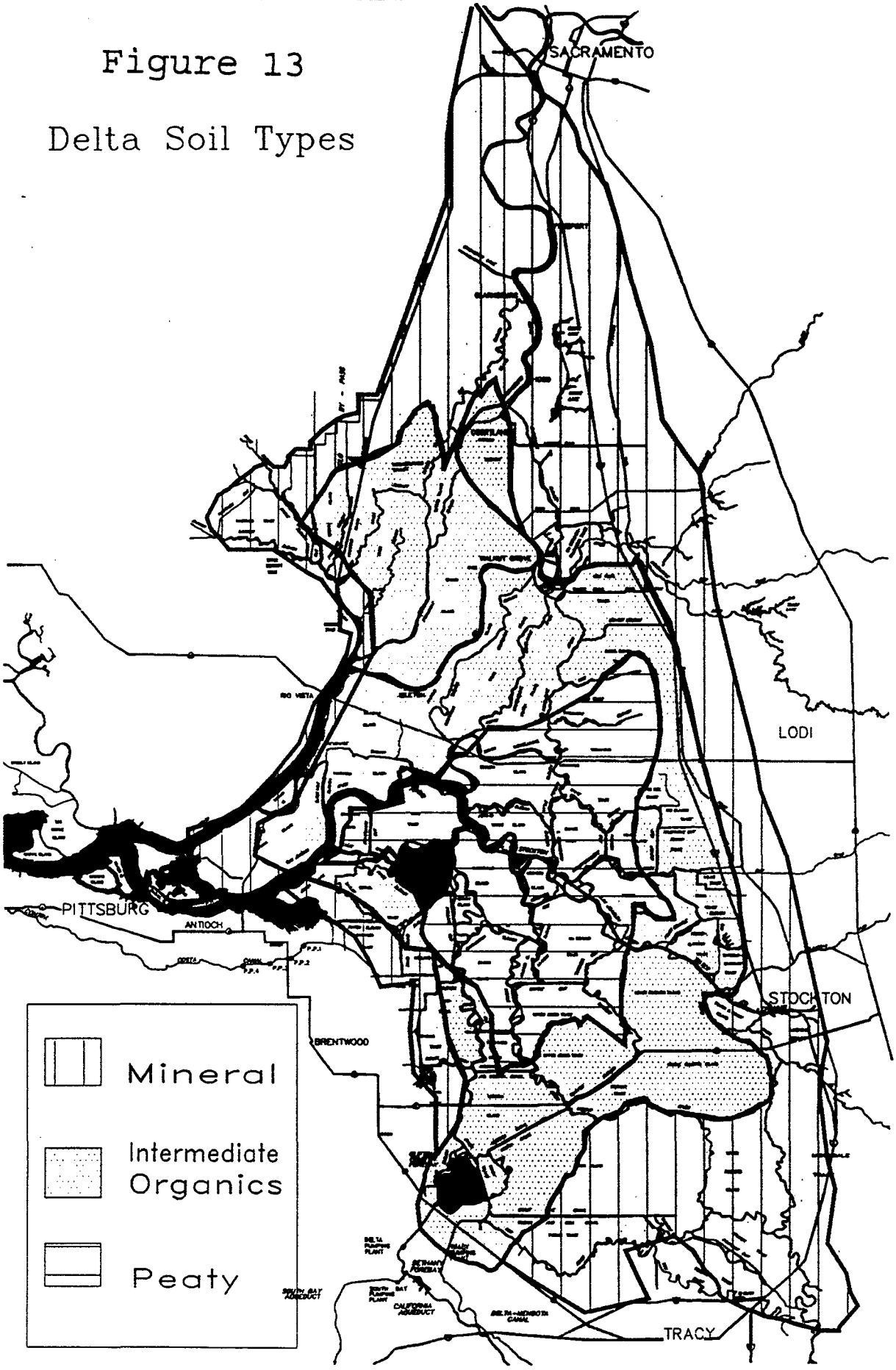
In both Figures 14 and 15, DOC concentrations were lowest in June through August and greatest in October and January. The January peak is likely due to drainage from precipitation and winter leaching. The April peak is probably due to runoff from initial spring irrigation, and the October peak is probably due to runoff from fall leaching.

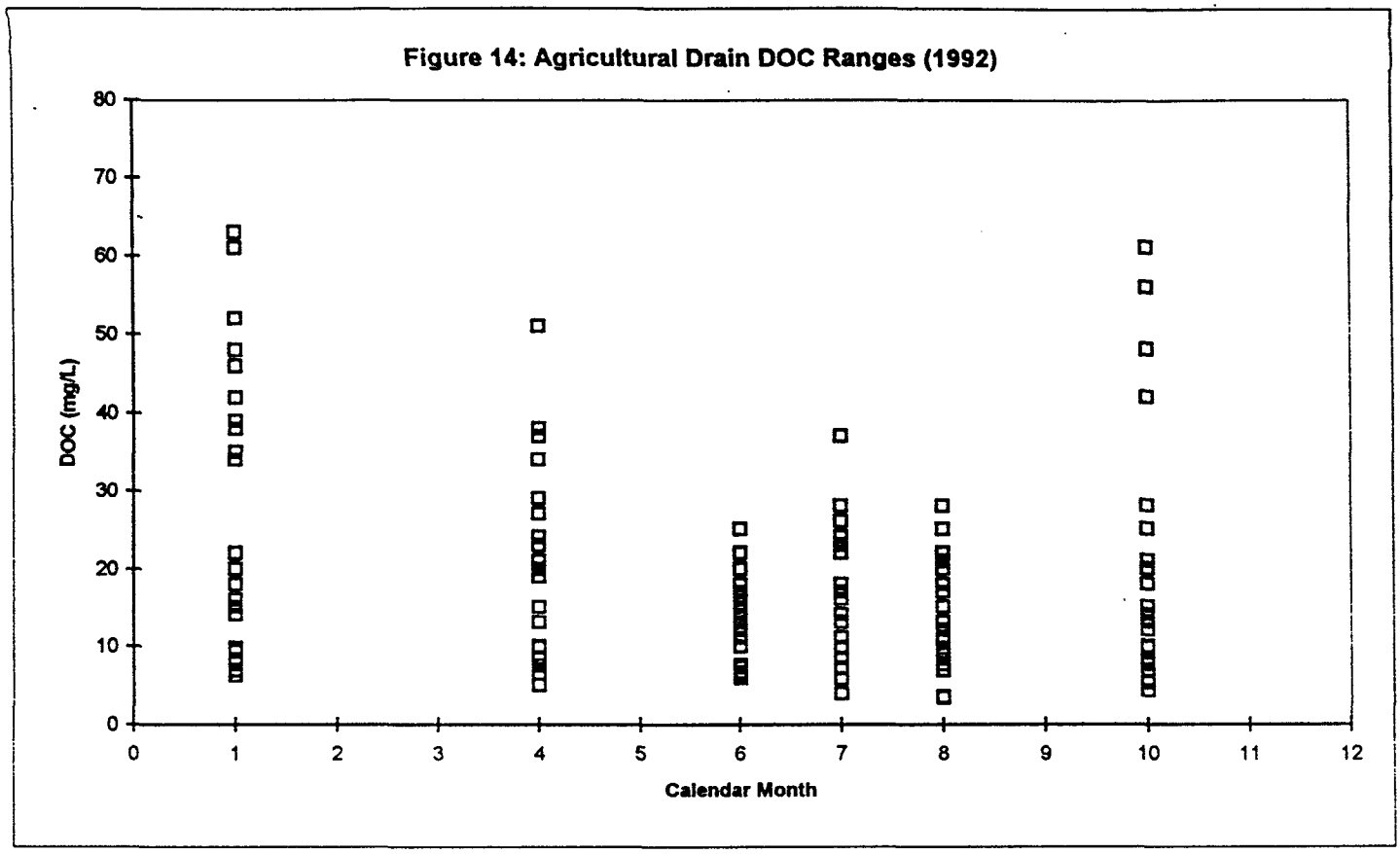
C—031110

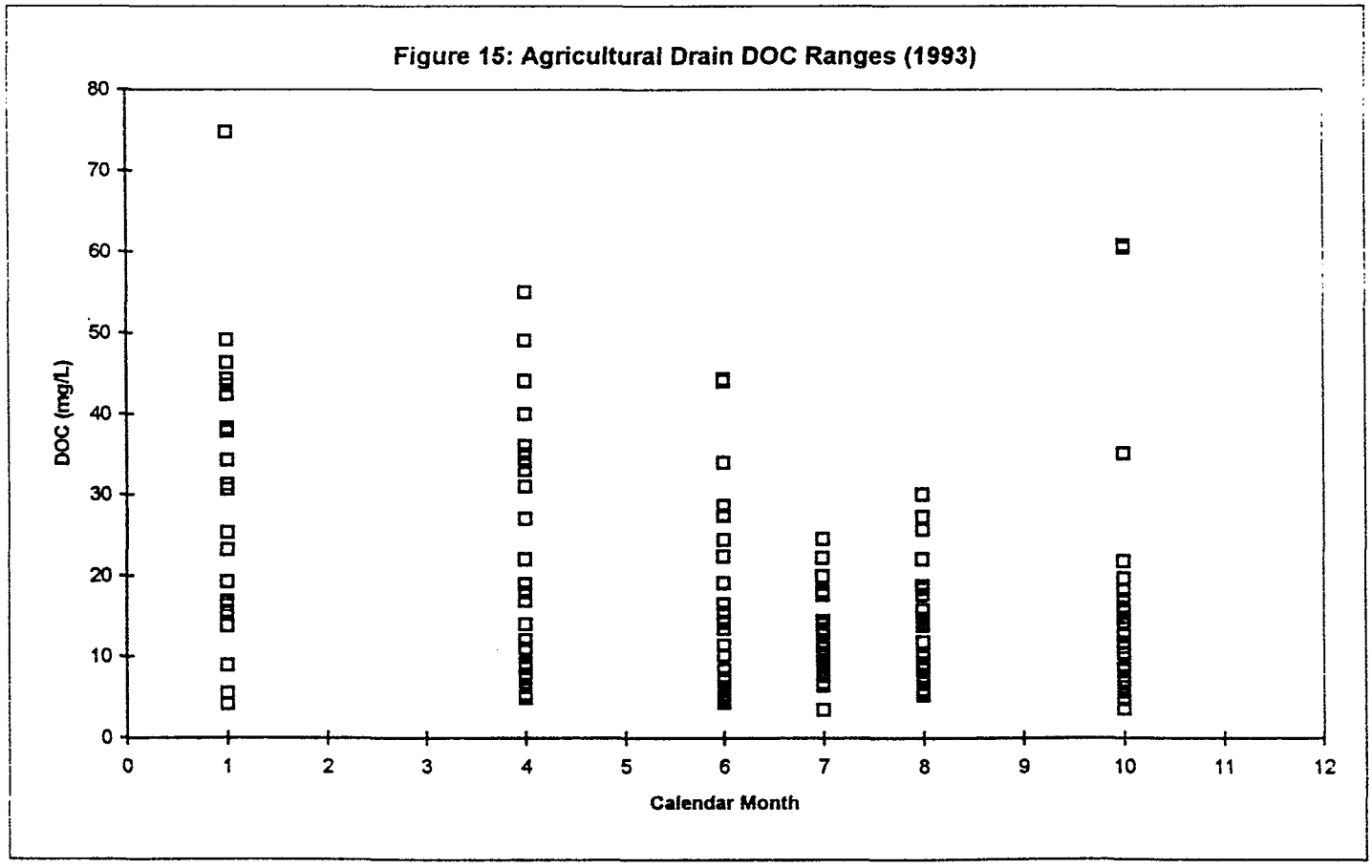
C-031110

Figure 13

Delta Soil Types







C—031112

C-031112

Trihalomethane Formation Potential

During 1992, the THMFP ranged from about 110 μg/l at the agricultural drain on Brannan Island to a high value of about 6400 μg/l at the agricultural drain on Bouldin Tract, pumping plant No. 2 (see Figure 16). Brannan Island has soil classified as intermediate organic while the soil at Bouldin Tract is peaty.

In 1993, the THMFP range was similar (180-6200 μg/l), with the low THMFP value measured at the agricultural drain on Bacon Island, pumpling plant No. 1 and the high THMFP value measured at the agricultural drain on Empire Tract (see Figure 17). The peak observed in June is not readily explainable but may be due to concentrated agricultural drainage.

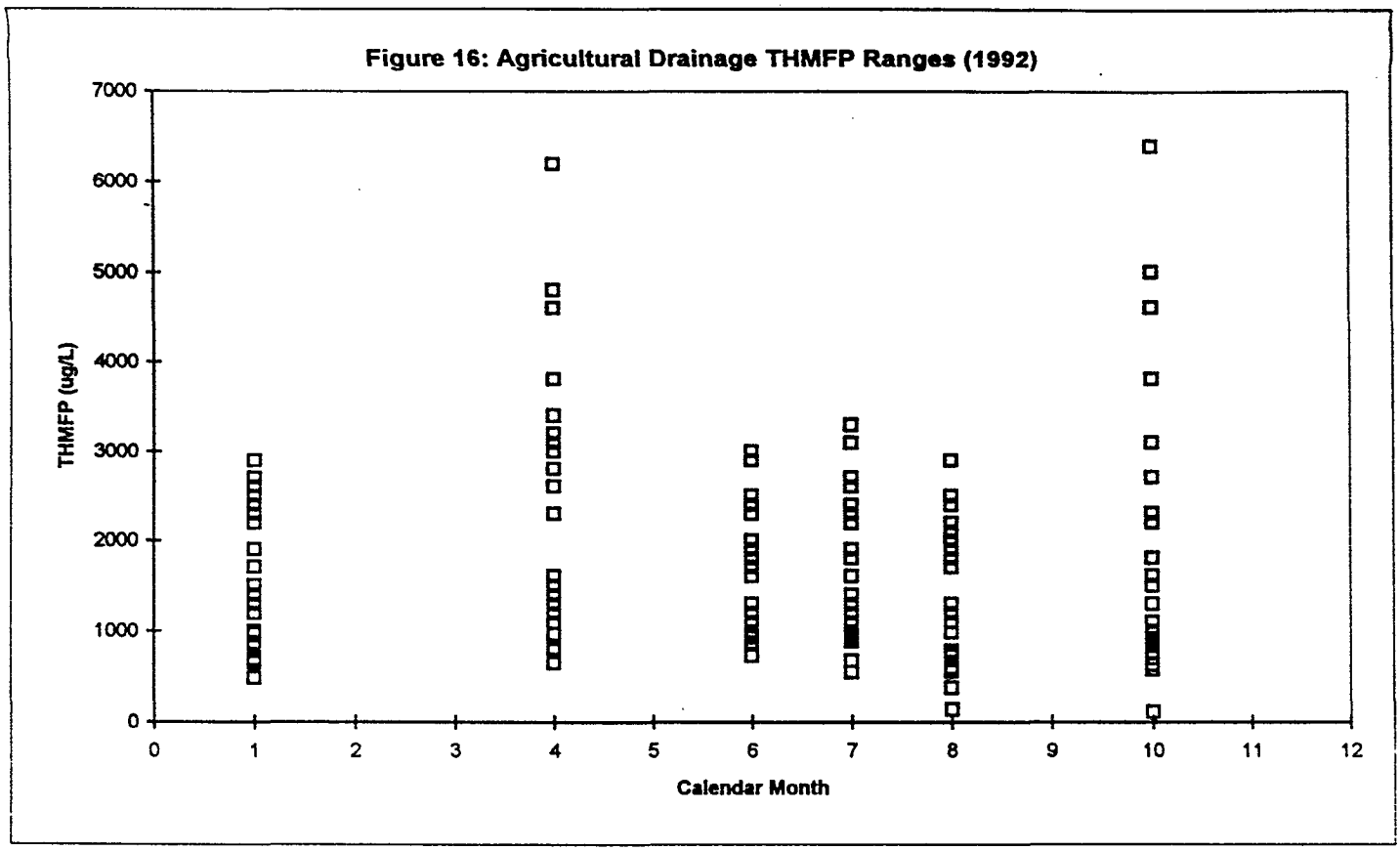


Figure 16: Agricultural Drainage THMFP Ranges (1992)
THMFP (ug/L)
7000
6000
5000
4000
3000
2000
1000
0
0
1
2
3
4
5
6
7
8
9
10
11
12
Calendar Month

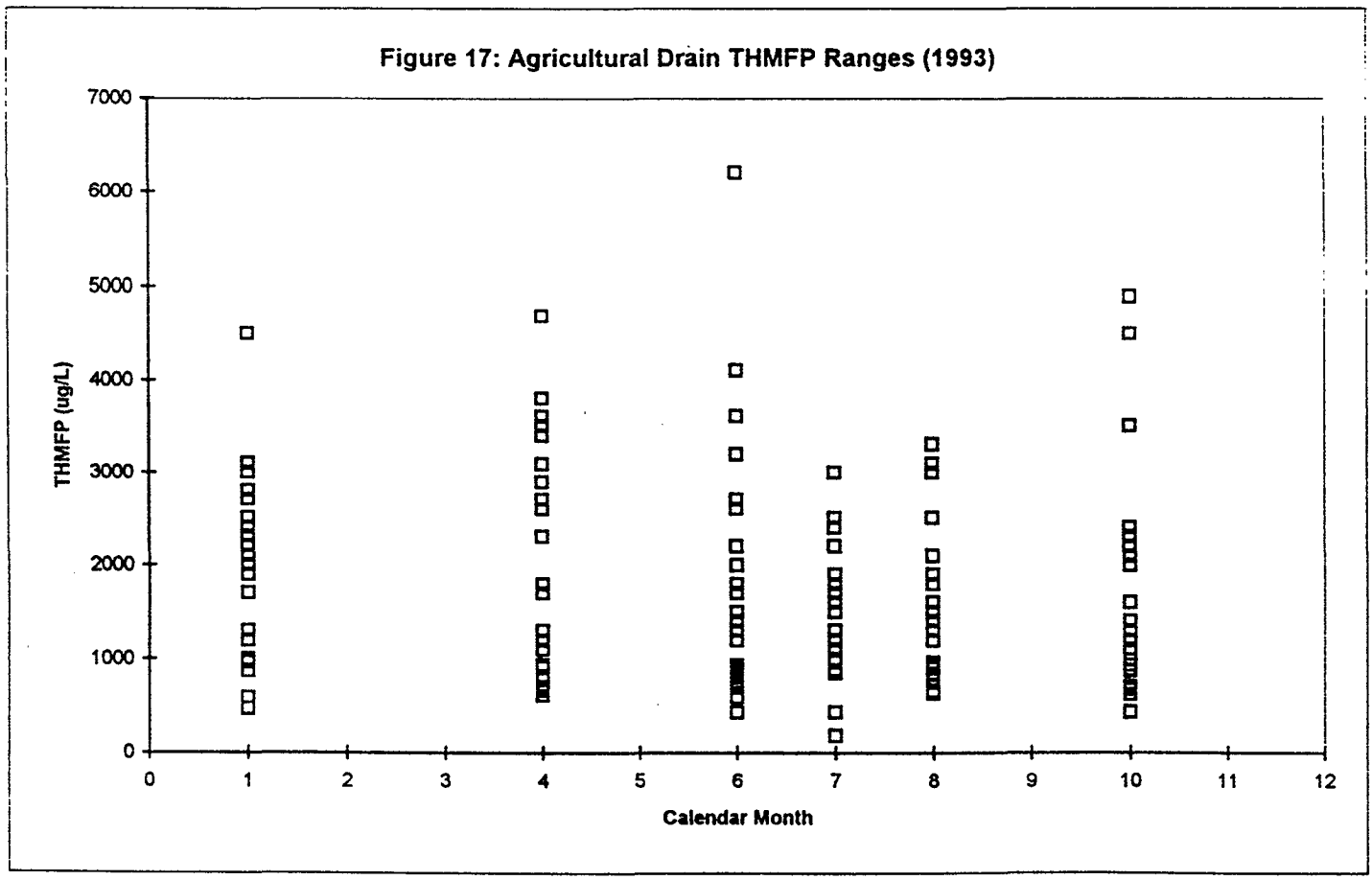


Figure 17: Agricultural Drain THMFP Ranges (1993)
THMFP (ug/L)
7000
6000
5000
4000
3000
2000
1000
0
0
1
2
3
4
5
6
7
8
9
10
11
12
Calendar Month

Trihalomethane Formation Potential as Carbon

The 1992 TFPC values range from about 9 μg/l at the agricultural drain on Brannan Island, pumping plant to about 630 μg/l at the agricultural drain on Bouldin Tract, pumping plant No. 1 (see Figures 18). Brannan Island has soil classified as intermediate organic and Bouldin Tract has soil classified as peaty.

In 1993, the TFPC values ranged from about 16 μg/l at Bacon Island, pumping plant No. 1 to a high value of 560 μg/l at the agricultural drain on Empire Tract (see Figure 19). Both Bacon Island and Empire Tract soils are classified as peaty.

C—031115

C-031115

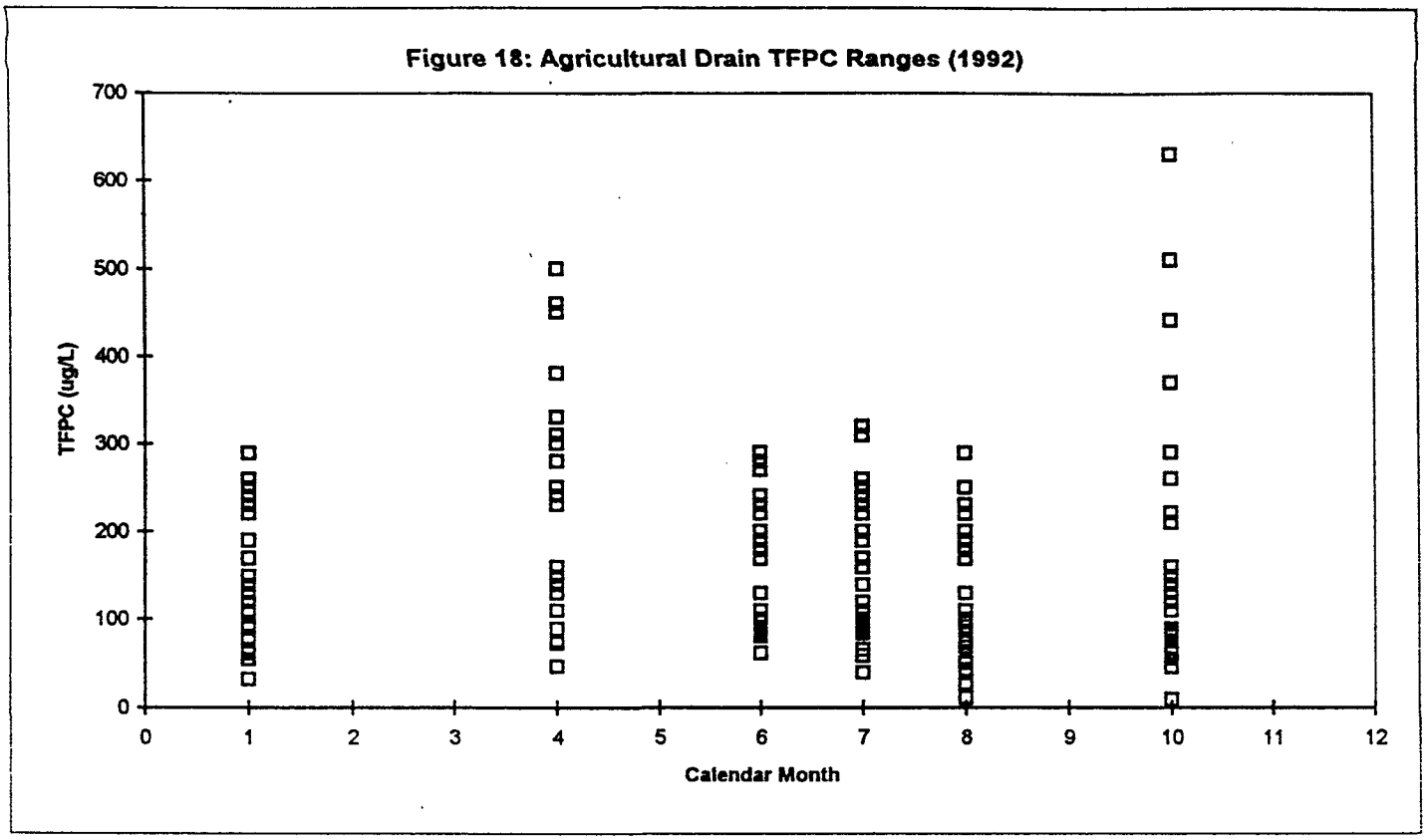


Figure 18: Agricultural Drain TFPC Ranges (1992)
TFPC (ug/L)
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10
11
12
Calendar Month

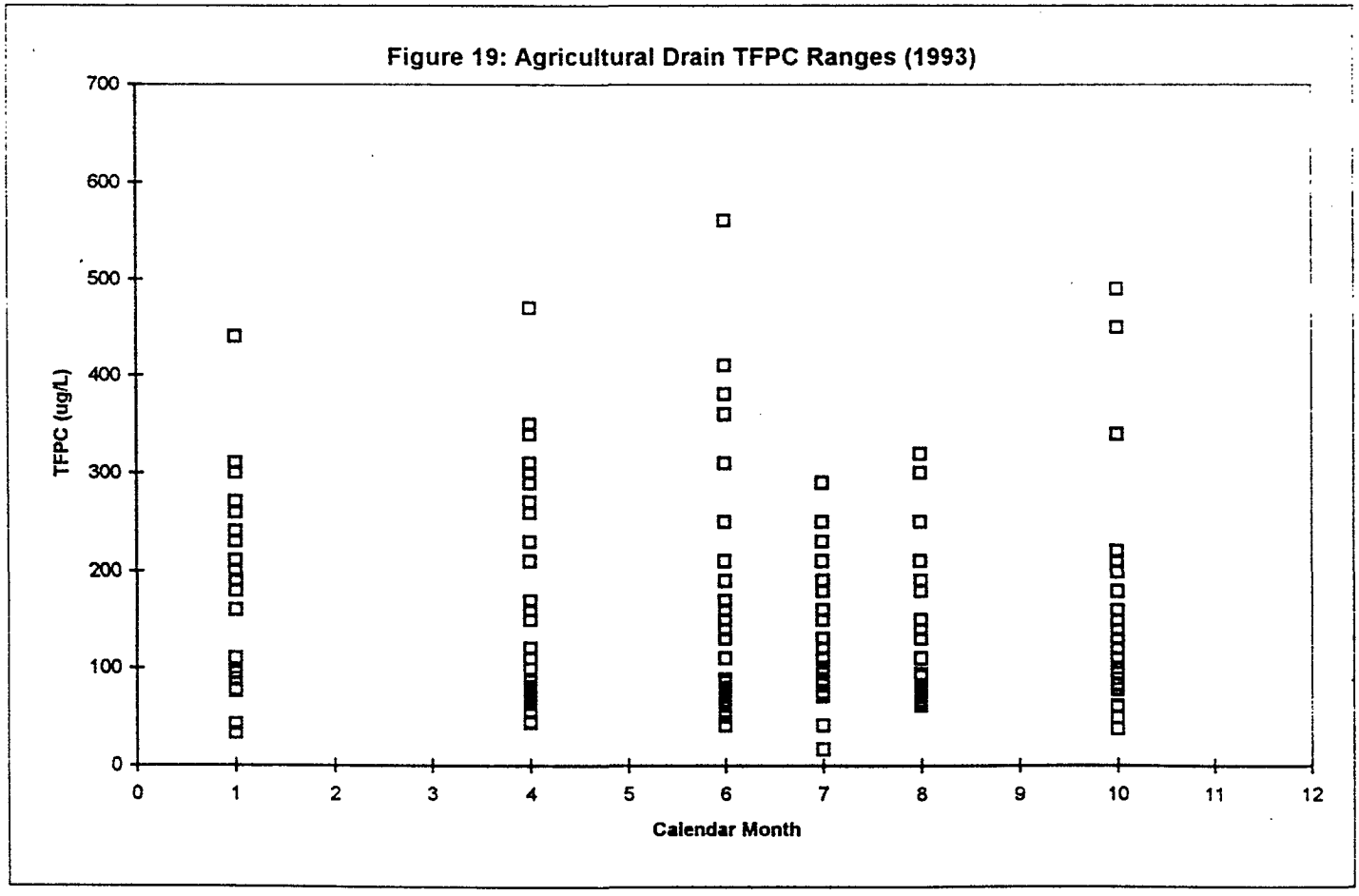


Figure 19: Agricultural Drain TFPC Ranges (1993)
TFPC (ug/L)
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10
11
12
Calendar Month

2. Mineral

Specific Conductance

Figures 19 and 20 show EC ranges measured in the agricultural drains in 1992 and 1993, respectively. EC values ranged from about 250 microsiemens per centimeter at Staten Island pumping plant No. 1 to about 6400 microsiemens per centimeter at the agricultural drain at Clifton Court Forebay. Both the soils at Staten Island and the soils around Clifton Court Forebay are classified as intermediate organic soils. The highest EC value occurred in August.

In 1993, EC values ranged from about 140 microsiemens per centimeter at Bouldin Tract, pumping plant No. 1 to about 8000 microsiemens per centimeter at the agricultural drain at Clifton Court Forebay. Bouldin Tract has peaty soil whereas the soils around Clifton Court Forebay are classified as intermediate organic.

The annual trends were different for EC in 1992 and 1993. In 1992, the high EC value occurred in August, whereas in 1993, the high values occurred in January and April. The different trends may be related to the fact that 1992 was a critically dry water year, whereas 1993 was above normal in precipitation.

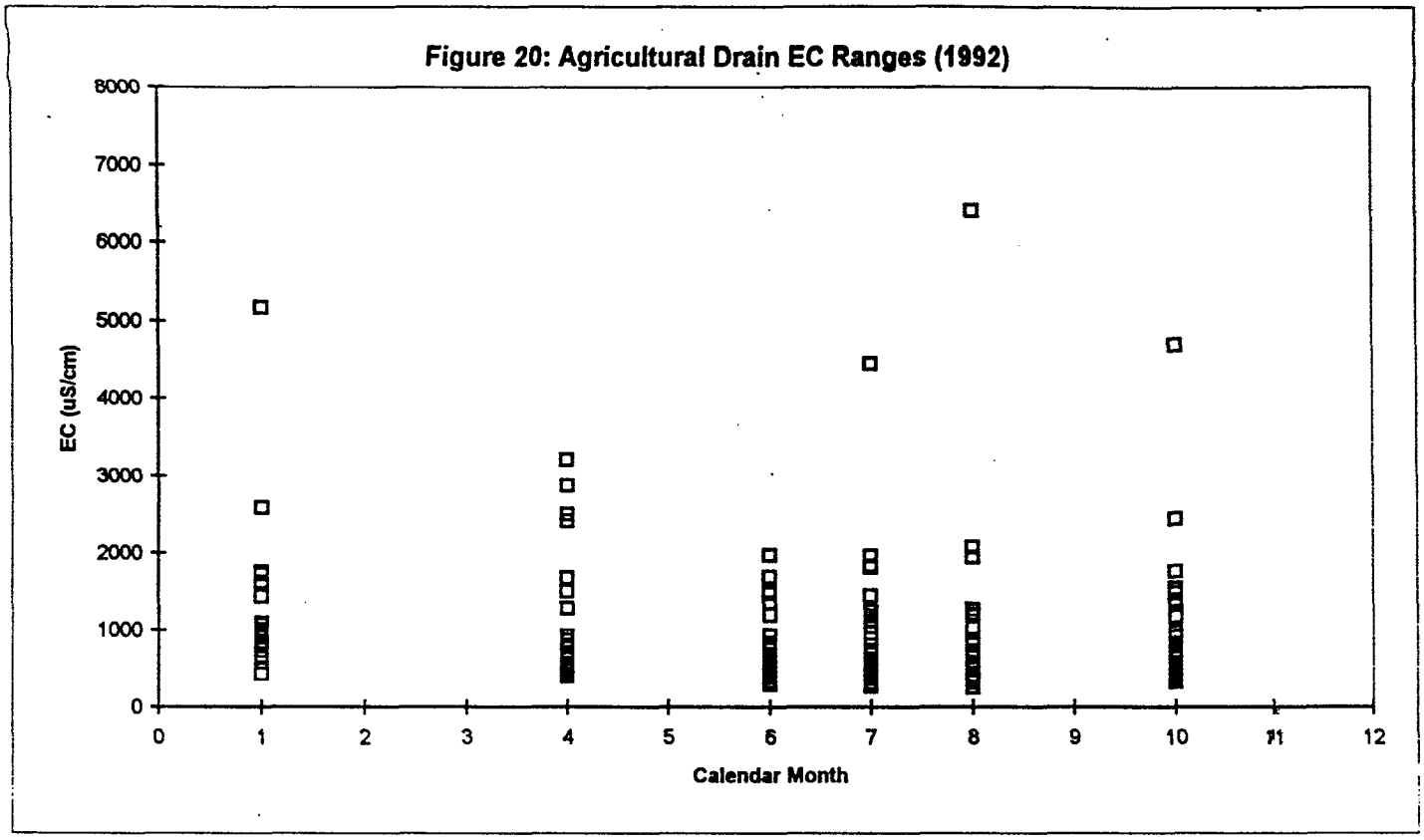


Figure 20: Agricultural Drain EC Ranges (1992)
EC (uS/cm)
8000
7000
6000
5000
4000
3000
2000
1000
0
0
1
2
3
4
5
6
7
8
9
10
11
12
Calendar Month

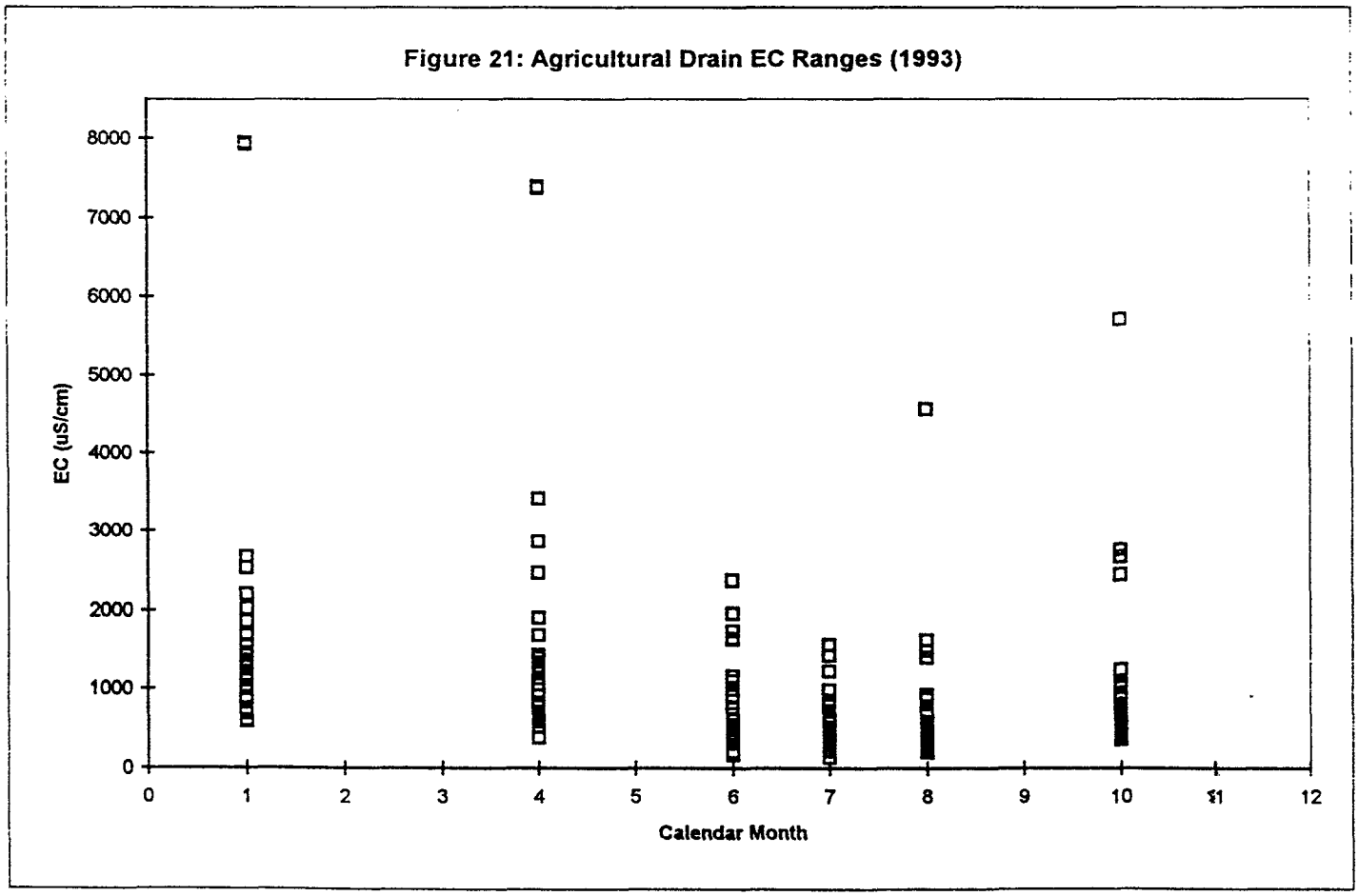


Figure 21: Agricultural Drain EC Ranges (1993)
EC (uS/cm)
8000
7000
6000
5000
4000
3000
2000
1000
0
0
1
2
3
4
5
6
7
8
9
10
11
12
Calendar Month

Summary of Agricultural Drain Results

High values for DOC, THMFP and TFPC of the agricultural drains sampled for both 1992 and 1993 occurred at Bouldin Tract, pumping plants No. 1 and 2 and at the agricultural drain on Empire Tract, areas characterized as having peaty soils. The lowest values for DOC, THMFP, and TFPC were seen at Bacon Island, Brannan Island, Staten Island and Bouldin Tract. Staten and Brannan Islands have intermediate organic soils, whereas Bacon and Bouldin Island have peaty soils.

High values for specific conductance (EC) were observed at the agricultural drain at Clifton Court Forebay (intermediate organic soil), whereas low EC values were observed at the agricultural drains at Bouldin Tract and Bouldin Tract (both with peaty soils). The EC readings are probably not primarily a result of soil type, but rather a result of tidal influence and dilution.

APPENDIX A. DATA QUALITY REVIEW

As a function of Quality Assurance/Quality Control (QA/QC), a data quality assessment was conducted on the 1992/93 MWQI data. Environmental samples (and their respective QC batches) were randomly selected from the study period to provide a least a 20% sample size. (This was the sample size stated in the QA/QC budget). The data quality review involved comparing data from these samples against acceptable control limits provided by the laboratories that performed the analyses. Data that fell outside these control limits were flagged.

Three environmental laboratories provided analyses of MWQI water samples during the 1992/93 period. DWR's Bryte Chemical Laboratory analyzed water samples for minerals and minor elements. Pace Environmental Laboratories, Novato, California, analyzed water samples for TFPC from January to June 1992. Pace used EPA Method 601 which had a broad acceptable recovery range of 65-135%. Clayton Environmental Laboratory, Pleasanton, California, performed TFPC analyses from July 1992 to the end of 1993. Clayton used EPA Methods 502.2 and 524.2 which had acceptable ranges of 80-120% and 75-125% respectively.

QC data from each respective laboratory were compiled for the randomly selected samples.. The QC data from Pace and Clayton were on file in summary form at DWR which enabled 100% review. The QC data from Bryte laboratory were manually compiled from the original work sheets.

The TFPC data quality review indicates that although the overall data from Pace Laboratory (January-June 1992) were acceptable, there was a large (53%) chloroform method blank contamination compared to Clayton Laboratory's 14%. Pace also analyzed with EPA Method 601 which had wider acceptance limits than the EPA Methods 502.2 and 524.2 used by Clayton. It should also be noted that all Pace Laboratory analyses were based on the original DWR TFPC assay. Clayton Laboratory analyses were based on the DWR's modified "buffered" TFPC assay. (For a complete description of these two methods, see the modified THMFP assay description, page 90 of the MWQI Five-Year Report, November 1994).

Mineral and metals data quality review indicated that the data were generally of acceptable quality. The quality review results are summarized below.

A. Sample Holding Times

The date from when the TFPC samples were spiked to the date they were quenched was the incubation period and should not have exceeded seven days. The samples had to be analyzed within fourteen days of quenching. This 14-day period is the holding time.

1. Pace Laboratory

Seventy-five samples out of three hundred and three samples (25%) were reviewed (Table A-1). There were no holding time exceedances.

Table A-1: Frequency of Holding Time Exceedances for Pace

Analyte	Holding Time (days)	No. of samples reviewed	Samples outside holding times	Frequency of Exceedances (%)
Bromodichloromethane	14	75	0	0
Bromoform	14	75	0	0
Chloroform	14	75	0	0
Dibromochloromethane	14	75	0	0

2. Clayton Laboratory

One hundred and ninety-nine samples out of eight hundred samples (24%) were reviewed (Table A-2). Two samples exceeded the holding times by one and three days respectively. These exceedances were considered insignificant because MWQI's Delta Drainage Investigation Report of the Interagency Delta Health Aspects (June 1990) established that a holding time of up to eighty days may not cause a significant TFPC loss.

Clayton Laboratory only reported the date the samples were prepared and the date they were analyzed which made it impossible to distinguish between incubation and holding times. The above exceedances were still within the twenty-one days allowed for incubation plus holding time.

Table A-2: Frequency of Holding Time Exceedances for Clayton

Analyte	Holding Time (days)	No. of samples reviewed	Samples outside holding times	Frequency of Exceedances (%)
Bromodichloromethane	14	191	2	1
Bromoform	14	191	2	1
Chloroform	14	191	2	1
Dibromochloromethane	14	191	2	1

3. Bryte Laboratory

Minerals

One hundred and thirty-six samples out of approximately five hundred and fifty-four (24%) were examined for holding times exceedances (Table A-3). All QC batches examined were analyzed within the allowable time limits.

Minor Elements

Nineteen samples out of approximately sixty-one samples (31%) were reviewed (Table A-3). One copper sample exceeded the holding time by seventeen days. This was not considered to be significant.

Table A-3: Frequency of Holding Time Exceedances for Bryte Laboratory

Analyte	Holding Time (days)	No. of samples reviewed	Samples outside holding times	Frequency of Exceedances (%)
Standard Mineral	180	136	2	1.5
Minor Elements	180	19	3	16

B. Method Blanks

The purpose of the method blanks was to detect and quantify contamination introduced through sample preparation or analysis procedure (some 'background noise' is allowed). If no contamination was detected or if the detected value was low (up to 10% of the sample concentration for Pace Laboratory and up to 20 μg/l for Clayton Laboratory), the sample batches associated with that blank were considered to be free of contamination. Each laboratory determined the level of acceptance based on the analysis method performed.

1. Pace Laboratory

All the method blanks (100%) performed by Pace Laboratory during the study period were reviewed. A larger number (53%) of method blanks were found to have chloroform contamination. This makes Pace Laboratory's chloroform results suspect. The other parameters were within acceptable control limits (Table A-4).

Table A-4: Contamination Frequency of Pace Laboratory Method Blanks

Analyte	Method Detection Limit	Blank Analyses Performed	Positive* Blanks	Frequency of contamination (%)
Bromodichloromethane	5 μg/l	59	0	0
Bromoform	5 μg/l	59	0	0
Chloroform	5 μg/l	59	31	53
Dibromochloromethane	5 μg/l	59	0	0

*Positive blanks: Detected blank concentration over 10% of sample concentration (Pace Laboratory's interpretation).

2. Clayton Laboratory

All the method blanks (100%) in the study period were reviewed (Table A-5). Twelve had chloroform and one had bromodichloromethane contamination. This level of contamination was lower than that of Pace laboratory and the data less biased.

Table A-5: Contamination Frequency of Clayton Laboratory Method Blanks

Analyte	Method Detection Limit	Blank Analyses Performed	Positive* Blanks	Frequency of contamination (%)
Bromodichloromethane	5 μg/l	84	1	1
Bromoform	5 μg/l	84	0	0
Chloroform	5 μg/l	84	12	14
Dibromochloromethane	5 μg/l	84	0	0

*Positive blanks: Detected blank concentration over 20 μ/l.

3. Bryte Laboratory

According the laboratory personnel, method blanks analyses were performed and corrections made when contamination problems were detected. However, since it was not the practice of the laboratory to maintain and archive the data from the method blank analyses, no records were available.

C. Matrix Spike Recoveries

Matrix spike recoveries indicate the matrix spike bias on the analytical method. An environmental sample is spiked with a known concentration of the analyte of interest and analyzed in the usual manner. The percent recovery must fall within acceptable range for the data to be acceptable.

1. Pace Laboratory

All the matrix spikes reported by Pace Laboratory (100%) were reviewed (Table A-6). No matrix recovery control limits were given, so the conservative laboratory control sample (LCS) recovery limits were used instead. All the parameters analyzed exceeded the LCS control limits to some degree. Chloroform had the largest number of exceedances (31%) which meant there may have been a high matrix bias in the chloroform results.

Table A-6: Matrix Spike Recovery for Pace Laboratory

Analyte	LCS Recovery Limits* (%)	Total Analyses Performed	Samples outside recovery limits	Frequency of Exceedances(%)
Bromodichloromethane	65-135	59	3	5
Bromoform	65-135	59	7	12
Chloroform	65-135	59	18	31
Dibromochloromethane	65-135	59	2	3

*EPA Method 601. No matrix spike recovery ranges were given, so the conservative LCS recovery limits are used instead.

2. Clayton Laboratory

All the matrix spikes recoveries (100%) reported by Clayton Laboratory were reviewed (Table A-7). All the recoveries were within the acceptable control limits except two chloroform batches (2%). Clayton Laboratory data therefore had low matrix bias.

Table A-7: Matrix Spike Recovery for Clayton Laboratory

Analyte	MS* Recovery Limits	Total Analyses Performed	Samples outside recovery limits	Frequency of Exceedances(%)
Bromodichloromethane	80-120	84	0	0
Bromoform	80-120	84	0	0
Chloroform	80-120	84	2	2
Dibromochloromethane	80-120	84	0	0

*MS: Matrix Spikes using EPA Methods 502.2 and 524.2. Clayton Laboratory utilized the same control limits for LCS and matrix spikes.

3. Bryte Laboratory

Minerals

Twenty-six out of approximately one hundred and ten matrix spike samples (24%) were reviewed. All the reviewed recoveries were within the control limits.

Minor Elements

Nineteen minor element spike recoveries were reviewed. Two nickel batches had recoveries higher than the control limits .

D. Matrix Spike Duplicate Recoveries

Matrix spike duplicate results indicate the precision of the analytical method. The difference between the duplicate samples is reported as a relative percent difference (RPD). This difference is compared against the individual laboratory control limit.

1. Pace Laboratory

All the matrix spike duplicates (100%) were reviewed (Table A-8). Only two chloroform batches were above the acceptable limits. This indicates good precision of Pace Laboratory results.

Table A-8: Matrix Spike Duplicate Recovery (Pace Laboratory)

Analyte	Acceptable RPD*(%)	Total Analyses Performed	Analyses outside limits	Frequency of samples out of limits (%)
Bromodichloromethane	35	59	0	0
Bromoform	35	59	0	0
Chloroform	35	59	2	3
Dibromochloromethane	35	59	0	0

*RPD: Relative Percent Difference

2. Clayton Laboratory

All ninety-six matrix spike duplicates reported by Clayton Laboratory during the study period were reviewed (Table A-9). Only two chloroform batches had recoveries greater than the acceptable control limits indicating a high precision of Clayton Laboratory analyses.

Table A-9: Matrix Spike Duplicate Recovery (Clayton Laboratory)

Analyte	Acceptable RPD*(%)	Total Analyses Performed	Analyses outside limits	Frequency of samples out of limits (%)
Bromodichloromethane	20	96	0	0
Bromoform	20	96	0	0
Chloroform	20	96	3	3
Dibromochloromethane	20	96	0	0

*RPD: Relative Percent Difference

E. Laboratory Control Samples

Laboratory control samples (LCS) recoveries are used to assess the accuracy of the analytical method. A known concentration of analyte is spiked into a clean medium and then analyzed. The results are compared to the laboratories' control limits.

1. Pace Laboratory

All fifty-nine (100%) LCS results reported by Pace Laboratory during the study period were reviewed (Table A-10). Chloroform results had the most number of upper limit exceedances (36%) indicating a high end bias.

Table A-10: Laboratory Control Sample Recovery (Pace Laboratory)

Analyte	Method Control Limits (%)	Total Analyses Performed	Analyses outside limits	Frequency of samples out of limits (%)
Bromodichloromethane	65-135	59	3	5
Bromoform	65-135	59	4	7
Chloroform	65-135	59	21	36
Dibromochloromethane	65-135	59	4	7

2. Clayton Laboratory

All thirty-six (100%) LCS analyses reported by Clayton Laboratory were reviewed (Table A-11). Only three (8%) had recovery limits above control limits. Clayton Laboratory did not report LCS's after July 1993.

Table A-11: Laboratory Control Sample Recovery for Clayton Laboratory

Analyte	Method Control Limits (%)	Total Analyses Performed	Analyses outside limits	Frequency of samples out of limits (%)
Bromodichloromethane	80-120	36	0	0
Bromoform	80-120	36	0	0
Chloroform	80-120	36	3	8
Dibromochloromethane	80-120	36	0	0

3. Bryte Laboratory

Minerals

Thirty mineral QC batches out of approximately one hundred and thirty batches (about 23%) were reviewed. All the LCS recoveries were within the acceptable control limits indicating good recovery for minerals.

Minor Elements

Nineteen minor element QC batches out of approximately one hundred and thirty (about 24%) were reviewed. All the recoveries were within acceptable limits.

APPENDIX B. MWQI DATA

TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
920055	AGDCLIFTON	01/22/92	10:55	13.5	7.7	6.0	5170	60	80		6.2	0.384	840	55
920474	AGDCLIFTON	06/17/92	6:48	18.4	7.3	7.9	1350	20	60		7.4	0.240	1200	100
920554	AGDCLIFTON	07/21/92	9:00	19.0	7.0	6.8	4450	34	100		8.4	0.367	1100	86
920654	AGDCLIFTON	08/18/92	8:30	19.7	6.9	5.9	6390	55	100		11.0	0.627	1800	110
920814	AGDCLIFTON	10/06/92	9:35	18.8	6.7	5.1	4680	80	100		7.8	0.422	1300	86
930033	AGDCLIFTON	01/12/93	11:10	8.3	7.4	9.8	7930	30	100		8.9	0.438	1300	76
930544	AGDCLIFTON	04/20/93	9:05	16.0	7.6		7370	20	60		7.3	0.291	1300	80
930836	AGDCLIFTON	06/16/93	9:15	21.4	7.4	7.7	1180	86	80		14.3	0.530	1400	130
931025	AGDCLIFTON	07/07/93	8:15	22.1	7.0	7.7	979	74	200		7.7	0.335	980	88
931372	AGDCLIFTON	08/31/93	12:15	22.3	7.1	5.7	4580	56	180		9.2	0.432	1400	94
931696	AGDCLIFTON	10/19/93	9:00	16.3	7.2	5.8	5720	39	120		7.6	0.410	1200	78
920042	AGDEMPIRE	01/21/92	10:17	8.2	6.2	5.9	1070	6	120		34.0	1.280	2300	230
920271	AGDEMPIRE	04/20/92	7:57	18.1	7.0	3.6	2490	6	200		37.0	1.588	4800	450
920461	AGDEMPIRE	06/16/92	6:54	17.5	6.9	5.9	804	18	80		17.0	0.695	2900	270
920542	AGDEMPIRE	07/20/92	7:15	21.3	7.0	5.4	716	7	140		22.0	1.057	2700	260
920643	AGDEMPIRE	08/17/92	7:15	22.9	6.5	4.0	563	4	100		22.0	1.067	2500	250
920802	AGDEMPIRE	10/05/92	7:39	18.1	6.7	3.2	1750	2	120		28.0	1.077	3100	290
930021	AGDEMPIRE	01/11/93	8:40	8.2	6.3	4.2	993	1	140		44.2	1.800	2700	260
930511	AGDEMPIRE	04/19/93	6:39	15.4	7.2	7.4	2450	7	140		34.0	1.400	3400	300
930826	AGDEMPIRE	06/15/93	6:55	21.9	6.9	3.6	1960	6	200		44.2	1.910	6200	560
931013	AGDEMPIRE	07/06/93	7:11	20.9	6.6	4.7	719	4	175		24.5	1.100	3000	290
931360	AGDEMPIRE	08/30/93	7:05	18.9	7.0	5.2	689	9	60		17.7	0.824	1900	190
931684	AGDEMPIRE	10/18/93	8:30	16.2	7.3	4.4	2440	13	125		15.6	0.608	2400	180
920160	AMERICAN	02/24/92	8:00	14.1	7.9	14.4	78	7	35		3.6	0.157	400	40
920205	AMERICAN	03/24/92	12:08	15.1	7.8	10.7	77	2	10		2.1	0.051	190	19
920489	AMERICAN	06/23/92	6:30	18.9	7.7		83	2	5		1.9	0.036	300	30
920771	AMERICAN	09/22/92	10:22	22.7	7.6	7.3	68	8	15		1.9	0.037	150	15
920980	AMERICAN	11/17/92	11:45	15.2	7.6	10.3	69	1	5		1.8	0.036	140	14
921010	AMERICAN	12/08/92	14:00	11.6	7.8	10.2	76	1	5		2.4	0.038	160	16
930199	AMERICAN	02/10/93	11:54	10.6	7.3	11.5	78	9	20		2.4	0.084	290	29
930330	AMERICAN	03/11/93	10:53	12.2	8.2	11.0	78	3	15		1.8	0.053	200	20
930434	AMERICAN	04/06/93	10:40	14.1	7.6		65	2	10		1.6	0.043	140	14
930788	AMERICAN	06/08/93	10:43	15.7	7.7	9.0	50	1	5			0.042	130	13
931158	AMERICAN	07/22/93	1:15	21.4	7.5	8.8	47	<1	10		1.7	0.037	200	20
931302	AMERICAN	08/12/93	11:06	19.4	7.4	8.7	46	1	15		1.5	0.038	180	18
931554	AMERICAN	09/23/93	10:15	19.1	8.1	8.0	48	1	5		1.6	0.033	150	15
931629	AMERICAN	10/05/93	10:40	17.8	7.0	6.7	54	1	15		2.5	0.070	290	29
931914	AMERICAN	11/17/93	11:50	13.5	7.8	9.7	50	<1	10		1.5	0.032	170	17
931993	AMERICAN	12/08/93	8:15	12.9	6.3	10.1	54	2	15		1.8	0.031	190	19
920061	BACONO1	01/22/92	9:41	9.7	6.6	3.3	802	37	140		9.3	0.476	820	76
920290	BACONO1	04/21/92	9:20	16.4	7.2	3.2	687	34	200		8.4	0.383	1100	110
920481	BACONO1	06/18/92	7:47	20.5	6.9	7.0	684	15	80		6.2	0.249	980	84
920562	BACONO1	07/21/92	9:15	24.0	7.2	6.2	898	13	80		3.9	0.161	540	40
920663	BACONO1	08/18/92	8:25	22.4	7.3	7.2	886	10	40		3.4	0.148	590	43
920823	BACONO1	10/06/92	7:50	17.8	6.9	5.4	801	15	100		4.3	0.169	570	46

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
930042	BACON01	01/12/93	10:10	10.9	7.1	4.9	1180	26	120		15.7	0.587	960	89
930553	BACON01	04/22/93	10:15	17.0	7.1	5.1	781	32	100		11.0	0.420	1100	99
930845	BACON01	06/17/93	8:10	21.2	7.1	6.6	350	18	80		6.9	0.324	900	86
931034	BACON01	07/07/93	12:55	26.6	6.7	5.0	300	18	125		8.6	0.410	180	16
931381	BACON01	08/31/93	8:11	18.5	6.8	2.7	589	21	180		15.8	0.809	1900	190
931705	BACON01	10/19/93	8:24	15.0	6.2	3.2	682	40	160		11.1	0.540	1400	130
920291	BACON02	04/21/92	9:45	16.5	7.0	6.2	484	19	150		15.0	0.461	1300	130
920482	BACON02	06/18/92	8:02	19.6	6.9	7.7	673	12	60		6.1	0.251	1000	91
920563	BACON02	07/21/92	10:00	21.6	7.3	5.5	586	21	120		5.8	0.247	670	59
920664	BACON02	08/18/92	9:15	21.8	7.2	6.3	693	16	80		9.2	0.424	1100	100
920824	BACON02	10/06/92	8:10	17.3	6.7	5.8	727	9	100		12.0	0.479	1100	110
930043	BACON02	01/12/93	10:35	8.3	6.7	9.1	1300	17	80		19.3	0.726	1200	110
930554	BACON02	04/22/93	10:36	17.2	7.2	7.7	777	28	120		14.0	0.543	1200	110
930846	BACON02	06/17/93	8:30	20.2	7.1	8.4	342	17	60		6.3	0.268	800	77
931035	BACON02	07/07/93	13:30	26.9	6.1	6.4	329	15	100		9.1	0.421	1200	120
931382	BACON02	08/31/93	8:26	19.7	7.1	6.2	195	12	80		5.6	0.261	620	61
931706	BACON02	10/19/93	8:49	13.9	6.3	7.5	379	11	140		14.0	0.662	1600	160
920002	BANKS	01/07/92	9:32	8.9	7.0	11.5	742	7	35		5.5	0.191	660	57
920070	BANKS	01/23/92	8:50	7.5	7.4	11.4	597	6	25		5.0	0.179	700	62
920139	BANKS	02/04/92	8:55	10.0	7.9	11.8	673	7	40		5.3	0.170	590	50
920170	BANKS	02/25/92	9:40	13.9	8.2	10.6	611	11	60		8.4	0.301	720	67
920184	BANKS	03/10/92	10:43	15.3	7.8	8.9	390	11	50		7.3	0.284	680	66
920215	BANKS	03/26/92	9:30	16.7	7.6	9.7	340	8	50		5.9	0.227	580	57
920234	BANKS	04/07/92	10:20	17.6	7.8	10.5	346	7	40		5.2	0.185	520	50
920299	BANKS	04/22/92	7:15	15.9	7.3	8.6	396	3	35		5.0	0.158	990	97
920356	BANKS	05/07/92	9:02	21.2	8.2	7.0	428	6	30		4.8	0.164	780	73
920397	BANKS	05/21/92	8:43	20.6	8.1	6.6	433	8	35		4.9	0.157	670	63
920444	BANKS	06/04/92	9:15	23.9	8.2	7.4	504	9	40		4.8	0.149	710	65
920435	BANKS	06/09/92	8:48	21.4	8.2		592	20	60		4.6	0.158	840	75
920499	BANKS	06/25/92	10:15	22.7	8.0	7.0	721	6	30		4.0	0.129	810	66
920507	BANKS	07/07/92	11:00	22.1	8.2	8.0	748	7	30		3.9	0.129	650	53
920571	BANKS	07/22/92	8:13	20.4	8.6		758	7	35		4.6	0.130	520	40
920609	BANKS	08/04/92	8:00	23.0	7.7	8.7	767	8	35		4.4	0.160	510	39
920672	BANKS	08/19/92	8:05	25.4	7.7	8.0	736	8	35		4.4	0.135	450	35
920710	BANKS	09/01/92	8:46	22.0	7.8	8.3	716	8	35		3.5	0.140	420	33
920781	BANKS	09/24/92	8:35	21.7	7.9	8.4	660	7	30		3.4	0.099	380	30
920832	BANKS	10/07/92	8:05	20.7	7.1	7.9	694	6	30		3.2	0.108	410	32
920872	BANKS	10/19/92	9:55	19.8	7.6	7.4	728	3	20		3.1	0.096	300	24
920990	BANKS	11/19/92	10:30	14.0	7.8	8.9	758	2	20		3.4	0.108	410	32
921020	BANKS	12/10/92	11:30	12.5	7.8	10.8	767	2	10		3.7	0.112	440	35
930051	BANKS	01/13/93	8:30	9.8	7.0	11.4	459	26	80		6.7	0.224	590	55
930124	BANKS	01/26/93	11:45	11.4	7.6		425	4	60		10.5	0.363	1200	120
930191	BANKS	02/09/93	11:45	13.6	7.4	9.2	414	18	60		8.1	0.325	910	90
930229	BANKS	02/16/93	10:30	11.8	7.7	9.6	428	21	80		8.1	0.302	850	84
930322	BANKS	03/09/93	9:45	15.5	8.2	10.7	464	7	50		5.7	0.270	7800	780

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
930398	BANKS	03/25/93	12:15	16.7	7.7	9.0	440	7	35		6.0	0.231	510	49
930468	BANKS	04/08/93	10:10	18.1	7.6	8.5	490	4	40		6.5	0.184	490	47
930562	BANKS	04/21/93	7:35	17.4	7.6	6.6	390	5	35		4.8	0.152	390	37
930688	BANKS	05/13/93	9:04	17.9	7.9	8.6	471	10	40		4.0	0.130	430	40
930800	BANKS	06/10/93	8:47	21.4	7.7	8.0	425	11	35		3.3	0.110	320	30
931043	BANKS	07/08/93	7:35	24.1	7.3	6.1	234	14	60		3.3	0.118	390	37
931150	BANKS	07/20/93	9:40	21.5	8.0		184	27	70		2.9	0.122	340	33
931294	BANKS	08/10/93	9:45	21.4	7.5	8.2	174	14	35		2.6	0.099	280	27
931390	BANKS	09/01/93	8:55	24.1	7.1	7.4	189	7	30		2.6	0.097	320	31
931546	BANKS	09/21/93	9:10	20.7	8.1	4.7	252	8	25		2.5	0.118	270	25
931712	BANKS	10/20/93	8:25	18.0	7.5	9.1	325	6	30		2.8	0.088	300	27
931853	BANKS	11/10/93	10:50	15.2	8.0	9.2	393	3	30		2.6	0.090	340	30
920083	BARKERNOBAY	01/23/92	14:00	6.7	8.4	8.0	332	11	30		3.3	0.089	360	35
920162	BARKERNOBAY	02/24/92	9:15	16.6	7.6	9.4	223	84	200		18.0	0.782	1300	130
920207	BARKERNOBAY	03/24/92	7:39	15.3	7.6	7.4	445	19	60		8.6	0.308	370	37
920312	BARKERNOBAY	04/22/92	14:20	20.2	8.0	9.0	478	13	40		5.3	0.160	1000	100
920389	BARKERNOBAY	05/19/92	6:35	19.0	7.2	7.2	416	22	50		4.6	0.155	680	66
920491	BARKERNOBAY	06/23/92	8:00	21.6	7.7		310	27	40		17.0	0.155	720	70
920585	BARKERNOBAY	07/22/92	14:00	24.1	7.7	8.6	296	22	80		4.2	0.153	400	39
920687	BARKERNOBAY	08/19/92	12:45	25.1	7.6	8.1	277	20	50		4.0	0.166	430	41
920773	BARKERNOBAY	09/22/92	6:11	19.1	7.4	7.6	298	18	40		4.3	0.146	400	39
920847	BARKERNOBAY	10/07/92	13:19	23.1	7.7	6.9	304	15	50		3.7	0.116	370	36
920982	BARKERNOBAY	11/17/92	7:30	12.2	7.4	9.3	321	13	35		3.5	0.135	330	32
921012	BARKERNOBAY	12/08/92	8:20	9.8	7.1	9.0	314	12	35		3.9	0.117	390	38
930201	BARKERNOBAY	02/10/93	7:17	10.6	6.8	8.2	210	130	100		23.5	0.723	1600	160
930332	BARKERNOBAY	03/11/93	7:30	15.1	6.6	8.8	293	56	140		12.3	0.564	1400	140
930436	BARKERNOBAY	04/06/93	6:05	14.9	7.4		488	23	80		9.4	0.349	790	78
930577	BARKERNOBAY	04/21/93	9:30	18.2	7.8	8.4	470	16	50		5.6	0.190	580	56
930790	BARKERNOBAY	06/08/93	6:29	18.7	7.0	5.7	391	24	60		6.1	0.214	540	54
931058	BARKERNOBAY	07/08/93	14:25	25.4	7.7	7.7	345	24	100		4.6	0.166	630	61
931160	BARKERNOBAY	07/22/93	6:40	21.2	5.8	6.9	278	25	80		4.5	0.169	530	52
931304	BARKERNOBAY	08/12/93	6:30	19.5	8.0	7.0	254	23	40		3.8	0.133	390	39
931405	BARKERNOBAY	09/01/93	14:45	25.6	7.8	8.2	210	17	40		3.3	0.118	390	39
931556	BARKERNOBAY	09/23/93	6:15	16.5	7.1	7.3	246	17	55		3.6	0.112	350	34
931631	BARKERNOBAY	10/05/93	6:15	15.0	7.8	6.5	256	21	50		3.5		440	44
931727	BARKERNOBAY	10/20/93	9:25	16.8	7.3	7.9	305	21	70		4.3	0.134	490	48
931916	BARKERNOBAY	11/17/93	7:18	9.8	6.3	9.4	233	19	40		3.1	0.116	370	37
920044	BOULDIN1	01/21/92	13:08	7.5	6.7	2.9	581	3	140		42.0	1.610	2900	290
920273	BOULDIN1	04/20/92	10:46	20.3	6.8	6.7	573	8	160		27.0	1.150	3800	380
920463	BOULDIN1	06/16/92	8:52	19.9	7.6	7.7	329	13	100		12.0	0.488	2000	200
920544	BOULDIN1	07/20/92	9:45	22.3	7.1	6.0	353	5	160		22.0	1.109	2400	240
920645	BOULDIN1	08/17/92	9:25	22.9	6.9	3.3	335	6	160		21.0	1.007	2000	200
920804	BOULDIN1	10/05/92	9:55	18.6	7.0	2.0	524	8	400		61.0	2.470	6400	630
930023	BOULDIN1	01/11/93	10:58	7.7	7.1	7.9	685	4	200		49.1	2.120	3100	310
930513	BOULDIN1	04/19/93	9:48	16.0	7.6	7.8	707	13	120		31.0	1.290	2300	230

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TFPC DATA REPORT

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930828	BOULDIN1	06/15/93	8:46	20.3	7.5	4.4	480	14	200		28.6	1.470	3600	360
931015	BOULDIN1	07/06/93	8:37	22.4	7.9	7.9	137	6	30		3.5	0.127	420	41
931362	BOULDIN1	08/30/93	9:45	21.5	7.2	5.1	289	7	100		18.6	0.776	1900	190
931686	BOULDIN1	10/18/93	10:20	16.9	7.4	7.9	510	8	125		16.0	0.681	1600	150
920045	BOULDIN2	01/21/92	13:35	7.6	6.2	2.8	636	4	200		63.0	2.250	2400	240
920274	BOULDIN2	04/20/92	11:08	22.1	6.6	5.3	435	11	350		36.0	1.909	4600	460
920464	BOULDIN2	06/16/92	9:14	19.5	7.2	5.6	285	12	60		11.0	0.554	1900	190
920545	BOULDIN2	07/20/92	10:25	21.8	7.0	6.1	302	6	200		22.0	1.034	2300	230
920646	BOULDIN2	08/17/92	9:45	23.8	6.9	4.5	317	7	120		18.0	0.853	1800	180
920805	BOULDIN2	10/05/92	10:29	20.0	6.8	1.9	414	11	400		56.0	2.290	5000	510
930024	BOULDIN2	01/11/93	11:25	7.2	6.5	7.9	712	5	250		74.8	3.480	4500	440
930514	BOULDIN2	04/19/93	10:20	16.8	7.4	7.0	659	17	350		55.0	2.620	4700	470
930829	BOULDIN2	06/15/93	9:06	20.4	7.5	6.6	393	16	250		33.9	1.890	4100	410
931016	BOULDIN2	07/06/93	8:59	22.6	7.2	5.2	208	5	100		13.4	0.644	1800	180
931363	BOULDIN2	08/30/93	10:55	21.7	7.0	7.5	237	8	100		22.0	1.170	2500	250
931687	BOULDIN2	10/18/93	10:45	17.4	6.9	3.1	466	7	500		60.8	2.720	4500	450
920035	BRANNANPP01	01/21/92	7:45	13.4	7.4	6.5	994	9	120		38.0	1.473	2400	240
920265	BRANNANPP01	04/20/92	7:00	17.1	6.6	2.8	649	21	400		29.0	1.181	3400	330
920455	BRANNANPP01	06/15/92	6:05	16.8	7.2	4.9	403	19	150		22.0	0.970	2900	290
920536	BRANNANPP01	07/20/92	5:50	19.7	6.7	4.2	437	11	200		28.0	1.380	3100	310
920638	BRANNANPP01	08/17/92	13:10	25.6	6.8	4.9	379	8	100		15.0	0.700	1300	130
920797	BRANNANPP01	10/05/92	6:15	16.9	6.7	2.8	315	9	100		9.7	0.446	1100	110
930506	BRANNANPP01	04/19/93	7:00	15.8	6.7	6.1	823	21	250		40.0	1.550	3100	310
930821	BRANNANPP01	06/14/93	6:32	20.3	6.6	4.7	420	23	200		22.4	1.280	2200	210
931008	BRANNANPP01	07/06/93	6:30	20.4	7.0	5.6	212	14	125		11.0	0.517	1500	150
931355	BRANNANPP01	08/30/93	6:30	18.4	7.0	6.1	204	18	140		6.7	0.332	780	77
931677	BRANNANPP01	10/18/93	10:20	15.9	7.2	5.4	347	12	150		12.6	0.607	1300	130
920034	BRANNANPP02	01/21/92	8:20	9.7	7.4	3.7	588	110	140		15.0	0.608	660	62
920454	BRANNANPP02	06/15/92	6:30	16.4	6.8	1.9	539	84	250		13.0	1.420	870	81
920535	BRANNANPP02	07/20/92	6:15	19.2	6.6	2.4	629	23	160		23.0	0.971	2300	230
920637	BRANNANPP02	08/17/92	12:45	23.1	6.7	2.6	585	39	200		17.0	1.473	1300	130
920796	BRANNANPP02	10/05/92	6:45	16.1	6.7	2.8	538	64	350		10.0	1.160	920	85
930505	BRANNANPP02	04/19/93	16:00	19.0	6.4	4.4	608	104	200		8.9	0.347	700	64
930820	BRANNANPP02	06/14/93	6:43	18.6	6.8	2.0	497	116	140		13.4		850	80
931007	BRANNANPP02	07/06/93	7:00	22.8	7.2	1.7	568	14	175		22.2	0.880	2400	230
931354	BRANNANPP02	08/30/93	6:55	17.1	6.6	2.8	475	25	400		10.1	1.410	770	71
931676	BRANNANPP02	10/18/93	10:00	16.4	6.6	2.8	479	170	350		12.7	1.430	990	94
920033	BRANNANPP03	01/21/92	8:30	9.8	7.5	10.2	959	5	120		22.0	1.077	1900	190
920453	BRANNANPP03	06/15/92	6:50	15.9	6.8	5.4	1470	112	200		11.0	0.484	720	62
920534	BRANNANPP03	07/20/92	6:40	21.6	7.1	6.5	522	3	60		11.0	0.427	1200	110
920636	BRANNANPP03	08/17/92	12:30	23.0	6.8	6.9	1260	23	80		13.0	0.336	140	11
920795	BRANNANPP03	10/05/92	7:03	16.7	6.5	1.7	1470	92	100		8.2	0.211	110	9
930504	BRANNANPP03	04/19/93	15:30	21.5	6.6	8.2	1330	56	140		12.0	0.307	780	70
930819	BRANNANPP03	06/14/93	6:53	20.8	7.2	4.3	749	33	160		19.1	1.010	1800	170
931006	BRANNANPP03	07/06/93	7:20	20.2	7.0	1.9	1220	76	400		17.6	0.927	1700	160

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
931353	BRANNANPP03	08/30/93	7:10	17.7	6.7	3.9	1390	25	140		11.8	0.372	840	74
931675	BRANNANPP03	10/18/93	9:45	17.0	7.3	5.0	1030	18	200		18.2	0.838	2300	220
920032	BRANNANPP04	01/21/92	8:45	9.3	7.0	7.3	845	120	100		35.0	1.489	2800	250
920452	BRANNANPP04	06/15/92	7:23	16.0	7.7	7.5	498	23	80		11.0	0.496	2000	200
920533	BRANNANPP04	07/20/92	7:10	19.5	7.3	6.0	495	16	100		16.0	0.807	1900	190
920635	BRANNANPP04	08/17/92	12:15	24.7	7.2	5.5	649	12	140		18.0	0.871	2100	200
920794	BRANNANPP04	10/05/92	7:16	18.7	6.5	1.7	986	16	200		25.0	1.130	2700	280
930013	BRANNANPP04	01/11/93	14:10	10.8	6.8	7.4	1460	13	140		34.2	1.720	2300	230
930503	BRANNANPP04	04/19/93	15:00	21.2	7.0	7.8	1230	20	250		35.0	1.400	2800	260
930818	BRANNANPP04	06/14/93	7:06	20.5	7.2	3.5	1100	16	200		27.4	1.370	2700	250
931005	BRANNANPP04	07/06/93	7:40	19.5	7.1	4.2	410	22	175		14.0	0.899	1600	160
931352	BRANNANPP04	08/30/93	7:25	18.3	7.2	7.3	351	18	80		8.7	0.406	950	92
931674	BRANNANPP04	10/18/93	9:25	17.6	7.0	3.8	948	17	250		19.7	0.966	2200	210
920109	CACHE	01/22/92	11:20	6.4	7.9	9.7	786	24	60		6.2	0.325	470	45
920171	CLIFTON	02/25/92	10:10	13.9	8.0	10.5	554	13	60		8.6	0.317	480	43
920216	CLIFTON	03/26/92	10:11	16.8	7.6	9.5	321	8	40		5.7	0.222	570	55
920398	CLIFTON	05/21/92	8:15	22.1	8.0	6.5	463	9	30		4.7	0.171	680	63
920443	CLIFTON	06/04/92	9:50	25.6	7.8	6.4	569	11	40		4.2	0.145	690	61
920500	CLIFTON	06/25/92	9:45	24.2	7.9	7.1	724	7	30		4.0	0.134	810	67
920782	CLIFTON	09/24/92	8:07	21.7	7.7	8.1	717	6	20		2.9	0.092	400	31
920991	CLIFTON	11/19/92	10:15	13.9	7.9	8.7	737	2	20		3.5	0.123	420	34
921021	CLIFTON	12/10/92	10:50	12.2	7.7	10.7	875	4	10		3.2	0.079	340	28
930192	CLIFTON	02/09/93	11:15	12.9	7.4	8.8	345	23	80		8.3	0.370	840	82
930323	CLIFTON	03/09/93	10:15	16.4	7.8	8.6	730	12	50		7.4	0.256	860	82
930469	CLIFTON	04/08/93	9:30	16.8	7.5	8.2	400	8	40		6.3	0.185	480	46
930689	CLIFTON	05/13/93	9:51	18.6	7.5	8.3	456	18	35		3.3	0.100	390	36
930801	CLIFTON	06/10/93	9:18	21.9	7.6	4.9	301	11	40		3.5	0.113	300	28
931151	CLIFTON	07/20/93	10:10	23.3	7.8		166	12	40		3.2	0.112	340	33
931295	CLIFTON	08/10/93	9:25	22.6	7.7	7.6	348	15	40		3.0	0.098	310	29
931547	CLIFTON	09/21/93	9:20	21.7	7.9	4.8	245	7	25		2.6	0.109	260	25
931854	CLIFTON	11/10/93	10:00	15.2	7.7	8.5	418	4	25		2.7	0.091	370	32
932028	CLIFTON	12/15/93	8:05	10.2	7.7	10.2	490	6	25		3.1	0.109	440	38
920085	CONCOSPP1	01/23/92	12:00	6.6	7.6	8.3	732	5	25		4.9	0.152	610	51
920164	CONCOSPP1	02/24/92	11:45	15.6	7.7	13.2	793	8	160		6.7	0.229	720	62
920209	CONCOSPP1	03/24/92	9:55	16.1	7.1	9.7	421	9	50		6.0	0.218	630	60
920314	CONCOSPP1	04/22/92	12:50	19.1	8.3	9.1	362				4.6	0.145	690	66
920391	CONCOSPP1	05/19/92	8:43	21.5	8.3	6.3	451	9	30		4.7	0.154	680	61
920493	CONCOSPP1	06/23/92	10:50	24.4	8.2		885	6	25		3.3	0.096	770	59
920587	CONCOSPP1	07/22/92	12:30	25.2	7.8	8.1	905	5	35		3.1	0.101	440	31
920689	CONCOSPP1	08/19/92	11:20	26.1	7.7	7.7	904	8	30		3.2	0.104	520	38
920775	CONCOSPP1	09/22/92	8:25	21.1	8.0	8.5	882	8	20		2.8	0.079	370	27
920849	CONCOSPP1	10/07/92	11:43	22.5	7.8	7.5	900	7	20		2.6	0.080	370	28
920984	CONCOSPP1	11/17/92	9:45	14.4	8.2	10.2	943	2	15		3.3	0.108	370	29
921014	CONCOSPP1	12/08/92	11:50	10.7	8.3	11.3	933	3	15		3.9	0.117	460	35
930068	CONCOSPP1	01/13/93	10:49	10.6	7.9	11.3	633	9	80		5.6	0.214	530	48

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
930203	CONCOSPP1	02/10/93	9:51	11.5	7.5	9.1	361	21	80		7.8	0.300	840	82
930334	CONCOSPP1	03/11/93	9:04	16.4	7.8	8.5	801	15	50		9.1	0.308	980	92
930438	CONCOSPP1	04/06/93	8:42	16.3	7.9		677	8	35		6.1	0.199	490	46
930579	CONCOSPP1	04/21/93	12:30	19.3	8.1	9.8	285	6	30		3.4	0.134	360	35
930680	CONCOSPP1	05/12/93	8:57	18.5	7.9	8.2	410	9	35		4.3	0.129	420	39
930792	CONCOSPP1	06/08/93	8:49	20.5	7.6	6.5	250	14	30		2.9	0.088	270	25
931060	CONCOSPP1	07/08/93	12:35	24.4	7.8	7.6	159	9	40		2.6	0.103	320	31
931162	CONCOSPP1	07/22/93	9:25	25.5	8.0	6.6	159	11	30		2.6	0.086	290	29
931306	CONCOSPP1	08/12/93	9:07	23.2	7.7	7.3	185	13	40		7.0	0.097	290	28
931407	CONCOSPP1	09/01/93	13:15	24.7	8.0	8.0	205	6	30		2.5	0.089	270	26
931558	CONCOSPP1	09/23/93	8:20	19.7	8.0	7.9	285	5	30		2.4	0.079	250	23
931633	CONCOSPP1	10/05/93	8:30	19.5	7.3	6.4	368	4	25		2.7	0.074	280	25
931729	CONCOSPP1	10/20/93	12:10	18.5	8.2	9.2	458	3	25		2.4	0.074	290	25
931918	CONCOSPP1	11/17/93	9:53	12.3	6.3	10.5	647	6	20		2.6	0.086	410	33
920094	CONNMAND	01/23/92	8:50	6.5	7.2		540	6	40		5.3	0.197	650	59
920080	DELTACRCHAN	01/23/92	8:20	7.8	7.7	9.5	208	7	15		2.2	0.058	210	21
920582	DELTACRCHAN	07/22/92	7:00	22.3	7.2	7.9	143	5	20		1.6	0.049	130	13
920684	DELTACRCHAN	08/19/92	6:55	24.6	7.3	7.0	158	5	10		1.7	0.040	140	14
920844	DELTACRCHAN	10/07/92	6:37	18.6	7.5	6.9	163	4	20		1.6	0.041	130	13
930063	DELTACRCHAN	01/13/93	8:10	12.5	7.6	10.4	200	26	100		6.9	0.301	520	52
930574	DELTACRCHAN	04/21/93	7:10	14.9	7.7	9.7	146	7	25		3.2	0.101	320	32
931055	DELTACRCHAN	07/08/93	7:15	20.4	7.4	8.5	105	4	10		1.6	0.045	200	20
931402	DELTACRCHAN	09/01/93	7:35	20.2	7.6	8.4	146	3	15		1.8	0.046	180	18
931724	DELTACRCHAN	10/20/93	7:20	16.0	7.1	8.5	120	7	20		1.6	0.043	160	16
920003	DMC	01/07/92	9:52	8.9	7.1	11.3	634	8	40		5.9	0.229	640	58
920071	DMC	01/23/92	9:25	7.4	7.4	10.9	573	7	35		5.4	0.186	620	56
920140	DMC	02/04/92	8:30	9.9	7.5	9.3	991	9	35		4.2	0.098	430	35
920172	DMC	02/25/92	10:30	14.0	7.9	9.8	559	15	80		9.4	0.333	760	75
920185	DMC	03/10/92	11:02	15.5	7.4	8.5	341	14	80		7.8	0.304	710	69
920217	DMC	03/26/92	10:30	16.7	7.5	9.4	328	10	50		5.9	0.224	600	58
920235	DMC	04/07/92	9:40	17.7	7.6	10.1	335	8	40		5.2	0.173	510	49
920300	DMC	04/22/92	7:55	17.6	7.3	8.7	460	13	40		4.8	0.151	840	81
920357	DMC	05/07/92	9:18	22.0	8.3	7.6	395	14	35		4.7	0.155	700	67
920355	DMC	05/07/92	9:18	22.0	8.3	7.6	394	14	35		4.7	0.158	810	76
920399	DMC	05/21/92	7:52	21.5	8.4	6.6	466	16	40		4.7	0.146	820	76
920436	DMC	06/09/92	9:09	22.6	7.8		602	13	50		4.5	0.144	720	63
920501	DMC	06/25/92	9:00	23.8	7.9	6.9	738	11	35		3.8	0.125	840	70
920508	DMC	07/07/92	11:20	22.9	8.4	8.0	907	16	50		4.3	0.120	670	55
920572	DMC	07/22/92	8:50	23.0	8.0	7.9	740	15	40		4.1	0.139	550	43
920610	DMC	08/04/92	7:40	24.1	7.7	8.4	724	11	40		4.3	0.140	580	45
920673	DMC	08/19/92	8:35	26.2	7.6	7.7	1000	13	50		4.6	0.125	470	37
920711	DMC	09/01/92	8:15	21.9	8.2	8.2	917	14	40		4.2	0.112	450	36
920783	DMC	09/24/92	8:52	21.3	7.7	7.9	660	9	25		3.2	0.091	380	30
920833	DMC	10/07/92	8:35	20.9	7.6	7.9	641	13	30		3.1	0.096	390	32
920873	DMC	10/19/92	10:15	19.7	7.6	8.1	823	13	35		3.6	0.102	340	28

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TFPC DATA REPORT

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920982	DMC	11/19/92	9:45	13.2	8.1	8.9	1070	12	25		3.3	0.092	370	29
921022	DMC	12/10/92	10:15	12.2	7.6	10.0	1020	5	10		3.2	0.078	340	28
930052	DMC	01/13/93	8:55	8.9	6.9	10.8	434	30	80		7.1	0.271	600	57
930125	DMC	01/26/93	13:15	11.1	7.4		441	29	100		11.0	0.397	1400	140
930193	DMC	02/09/93	10:45	12.3	7.8	9.0	347	23	60		8.0	0.370	850	83
930230	DMC	02/16/93	11:30	12.2		8.6	558	17	80		9.0	0.318	930	90
930324	DMC	03/09/93	10:35	15.6	7.6	8.4	558				8.0	0.295	880	83
930399	DMC	03/25/93	12:45	17.4	7.7	8.4	712	14	40		5.4	0.183	470	43
930470	DMC	04/08/93	8:55	19.0	7.5	8.5	443	10	50		6.4	0.194	510	49
930563	DMC	04/21/93	8:01	17.2	7.6	7.8	390	8	35		4.8	0.158	410	39
930690	DMC	05/13/93	9:27	17.8	7.5	8.1	471	21	50		3.5	0.102	390	36
930802	DMC	06/10/93	9:39	20.8	7.4	6.0	472	17	50		3.5	0.113	340	31
931044	DMC	07/08/93	8:05	24.4	7.3	6.7	201	16	60		3.0	0.114	380	37
931152	DMC	07/20/93	10:40	23.0	7.7		180	20	50		3.0	0.096	330	32
931296	DMC	08/10/93	8:50	22.5	7.6	5.6	691	30	50		3.5	0.126	370	32
931391	DMC	09/01/93	9:50	23.7	7.6	7.2	317	13	40		2.9	0.098	370	35
931548	DMC	09/21/93	9:55	21.2	8.1	4.6	270	13	30		2.8	0.110	280	26
931713	DMC	10/20/93	9:20	17.9	7.5	8.9	274	15	40		2.6	0.101	290	27
931855	DMC	11/10/93	9:30	14.6	7.8	8.6	775	10	35		2.8	0.074	390	33
932029	DMC	12/15/93	9:00	10.2	7.9	10.0	380	6	25		3.3	0.115	450	41
920092	FALSETIP-WEBB	01/23/92	8:15	6.4	7.4	11.4	1570	9	35		3.7	0.120	690	47
920192	FALSETIP-WEBB	03/11/92	8:20	14.6	7.4	8.8	338	10	40		5.7	0.208	530	51
920244	FALSETIP-WEBB	04/08/92	8:00	17.0	7.8	8.8	463	11	40		4.0	0.128	500	45
920321	FALSETIP-WEBB	04/22/92	7:10	17.3	7.7	11.4	352	8	30		3.4	0.100	530	50
920343	FALSETIP-WEBB	05/05/92	7:05	20.4	8.2	9.0	625	12	30		3.2	0.107	640	52
920341	FALSETIP-WEBB	05/05/92	7:05	20.4	8.2	9.0	635	12	30		3.3	0.105	630	
920422	FALSETIP-WEBB	06/11/92	7:00	20.0	7.9	8.1	1110	11	30		3.1	0.088	730	52
920515	FALSETIP-WEBB	07/09/92	7:05	22.5	7.7	7.7	868	8	20		2.6	0.065	470	36
920594	FALSETIP-WEBB	07/22/92	7:00	22.2	7.6	8.3	993	8	25		2.6	0.082	430	28
920617	FALSETIP-WEBB	08/06/92	6:55	22.0	7.6	7.8	968	8	15		2.8	0.083	420	28
920696	FALSETIP-WEBB	08/19/92	7:00	23.2	7.4	7.9	1040	7	20		2.5	0.078	370	26
920718	FALSETIP-WEBB	09/03/92	6:55	20.3	7.6	8.8	1000	8	20		3.1	0.079	340	24
920856	FALSETIP-WEBB	10/07/92	7:10	19.9	7.7	8.2	1040	6	25		2.5	0.068	350	26
920880	FALSETIP-WEBB	10/20/92	7:46	18.9	8.1	8.5	1020	5	20		2.4	0.077	280	21
930588	FALSETIP-WEBB	04/21/93	7:10	15.8	7.2	9.5	181	7	30		4.6	0.100	250	25
931738	FALSETIP-WEBB	10/20/93	7:19	12.8	7.0	8.4	524	7	25		2.0	0.070	290	23
920081	GEORGSLWALNUT	01/23/92	8:30	7.7	7.8	8.0	207	13	15		2.0	0.050	230	22
920310	GEORGSLWALNUT	04/22/92	7:05	17.2	7.5	8.4	208	5	20		2.4	0.056	240	23
920583	GEORGSLWALNUT	07/22/92	7:30	22.4	7.2	8.0	142	6	15		1.6	0.042	130	13
920685	GEORGSLWALNUT	08/19/92	7:10	24.9	7.0	7.0	171	4	10		1.8	0.041	160	16
920845	GEORGSLWALNUT	10/07/92	7:00	18.9	7.4	7.0	166	5	10		1.5	0.035	140	14
930064	GEORGSLWALNUT	01/13/93	8:20	8.3	7.6	5.4	185	9	80		4.0	0.169	350	35
930575	GEORGSLWALNUT	04/21/93	7:50	15.1	7.5	9.8	125	30	30		4.9	0.073	200	19
931056	GEORGSLWALNUT	07/08/93	7:35	20.5	7.4	8.4	101	4	15		1.6	0.045	200	20
931403	GEORGSLWALNUT	09/01/93	8:05	20.2	7.6	8.1	141	3	15		1.9	0.049	180	18

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TFPC DATA REPORT

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931725	GEORGSLMALNUT	10/20/93	7:40	16.2	7.2	9.3	118	4	15		3.4	0.070	180	16
920073	GRANTLNCAN	01/23/92	10:22	7.5	7.6	10.6	1100	8	25		3.2	0.070	400	33
920302	GRANTLNCAN	04/22/92	9:00	17.4	7.7	9.6	932	14	40		3.8	0.092	750	65
920574	GRANTLNCAN	07/22/92	9:45	23.6	8.3	7.3	1100	22	60		8.5	0.130	560	44
920675	GRANTLNCAN	08/19/92	9:20	27.1	8.5	9.0	1080	11	60		4.8	0.112	440	35
920835	GRANTLNCAN	10/07/92	9:18	20.9	7.9	6.5	881	14	40		3.7	0.094	440	36
930054	GRANTLNCAN	01/13/93	9:40	9.8	7.1	10.0	376	52	200		10.8	0.547	760	75
930565	GRANTLNCAN	04/21/93	8:57	17.8	7.3	6.9	615	13	35		4.1	0.116	380	34
931046	GRANTLNCAN	07/08/93	8:55	25.2	7.6	7.4	855	18	50		3.8	0.106	480	41
931393	GRANTLNCAN	09/01/93	10:55	23.6	7.4	7.6	386	13	45		3.0	0.093	360	34
931715	GRANTLNCAN	10/20/93	10:40	17.7	7.5	8.7	244	12	50		2.6	0.083	320	30
920104	GRANTOLD	01/23/92	10:45	6.8			546	7	40		5.5	0.189	670	61
920202	GRANTOLD	03/11/92	10:25	15.6	7.6	8.1	360	13	80		7.8	0.311	670	65
920254	GRANTOLD	04/08/92	10:10	17.8	7.7	8.6	340	9	40		5.2	0.170	590	57
920333	GRANTOLD	04/22/92	9:40	18.3	7.6	10.3	409	9	40		4.9	0.182	790	76
920353	GRANTOLD	05/05/92	9:10	22.3	7.9	8.3	397	7	35		4.8	0.167	860	84
920432	GRANTOLD	06/11/92	9:25	21.6	7.6	7.4	686	19	50		4.3	0.130	750	63
920525	GRANTOLD	07/09/92	9:35	24.1	8.0	7.7	724	9	25		4.1	0.121	610	50
920606	GRANTOLD	07/22/92	9:00	22.6	7.5	7.5	900	14	60		4.3	0.371	630	50
920706	GRANTOLD	08/19/92	8:55	26.3	7.6	7.1	822	11	40		4.3	0.143	560	45
920728	GRANTOLD	09/03/92	8:50	21.7	8.0	7.4	956	13	40		4.2	0.110	440	36
920866	GRANTOLD	10/07/92	9:15	20.8	7.5	7.3	684	15	35		3.1	0.102	430	35
920890	GRANTOLD	10/20/92	11:18	19.8	7.5	7.6	795	10	30		3.5	0.104	350	29
931748	GRANTOLD	10/20/93	9:58	18.0	7.4	7.6	318	11	30		2.6	0.086	300	27
920007	GREENES	01/07/92	12:40	9.9	7.7	11.1	201	13	25		3.0	0.077	280	27
920079	GREENES	01/23/92	7:20	8.2	8.5	8.4	216	6	15		2.8	0.069	230	23
920144	GREENES	02/04/92	11:59	11.8	7.9	11.0	193	5	15		1.9	0.034	140	14
920165	GREENES	02/24/92	13:00	14.8	8.0	12.7			60		5.2	0.157	430	43
920189	GREENES	03/10/92	7:30	13.1	7.2	9.7	193	38	60		5.1	0.166	510	51
920210	GREENES	03/24/92	11:20	15.7	7.9	9.8	226	13	35		3.1	0.099	340	33
920239	GREENES	04/07/92	14:00	18.9	7.5	10.0	237	8	20		2.3	0.047	200	20
920308	GREENES	04/22/92	6:10	16.0	7.5	8.8	193	5	20		2.1	0.049	260	26
920361	GREENES	05/07/92	6:10	21.3	7.3	6.5	219	5	15		2.5	0.052	290	28
920392	GREENES	05/19/92	9:48	21.6	7.9	7.1	163	4	10		1.8	0.041	230	23
920440	GREENES	06/09/92	5:50	20.8	7.2		144	6	35		2.1	0.044	250	23
920494	GREENES	06/23/92	12:10	25.0	7.6		165	4	10		1.9	0.039	300	29
920512	GREENES	07/07/92	6:15	21.3	7.4	7.5	175	5	10		2.1	0.045	210	21
920581	GREENES	07/22/92	6:20	22.2	7.2	8.1	143	4	15		1.8	0.040	130	13
920614	GREENES	08/04/92	12:00	24.9	8.0	9.1	165	4	10		2.3	0.038	160	15
920683	GREENES	08/19/92	6:00	22.0	7.2	7.4	153	4	10		1.8	0.037	120	12
920715	GREENES	09/01/92	12:05	23.1	7.3	8.0	200	6	15		2.0	0.044	140	14
920776	GREENES	09/22/92	9:35	21.8	7.6	7.6	237	1	5		1.8	0.045	180	17
920843	GREENES	10/07/92	6:00	18.3	8.6	7.1	143	5	15		1.4	0.033	120	12
920877	GREENES	10/19/92	6:45	17.8	7.7	10.5	201	4	10		2.5	0.042	130	13
920985	GREENES	11/17/92	11:06	13.5	7.8	10.1	206	3	5		2.5	0.061	210	21

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
921015	GREENES	12/08/92	13:15	11.1	8.1	10.7	196	4	10		2.6	0.059	200	20
930062	GREENES	01/13/93	7:15	8.4	7.7	11.1	185	40	80		4.0	0.185	380	36
930129	GREENES	01/26/93	7:00	7.8	7.0		140	100	120			0.141	530	53
930204	GREENES	02/10/93	11:00	11.8	7.3	10.1	196	36	60		4.0	0.129	430	43
930234	GREENES	02/16/93	13:45	11.9		10.7	174	40	70		3.0	0.117	380	38
930335	GREENES	03/11/93	10:06	15.2	7.8	9.3	227	12	25		2.1	0.061	280	27
930403	GREENES	03/25/93	7:45	11.9	7.5	10.8	112	18	35		2.0	0.062	160	16
930439	GREENES	04/06/93	10:00	14.9	7.8		126	12	25		1.8	0.058	120	12
930573	GREENES	04/21/93	6:05	14.8	7.4	9.9	133	32	40		2.1	0.076	200	20
930681	GREENES	05/12/93	9:38	16.8	7.8	9.4	122	6	10		2.2	0.042	170	17
930793	GREENES	06/08/93	9:53	16.7	7.9	8.6	108	17	25		1.8	0.052	150	15
931054	GREENES	07/08/93	6:10	19.5	7.3	8.4	105	4	10		1.9	0.046	200	20
931163	GREENES	07/22/93	10:30	23.6	7.5	6.2	113	5	15		1.7	0.046	190	19
931307	GREENES	08/12/93	10:13	21.2	7.5	8.1	123	9	20		1.7	0.048	170	17
931401	GREENES	09/01/93	6:50	19.9	7.6	9.0	148	3	15		1.8	0.051	190	19
931559	GREENES	09/23/93	9:25	19.8	7.9	8.2	177	6	20		2.1	0.067	180	18
931634	GREENES	10/05/93	9:45	18.6	7.5	6.9	139	3	20		1.9	0.072	190	19
931723	GREENES	10/20/93	6:25	15.7	7.1	8.8	134	4	15		1.7	0.053	170	17
931919	GREENES	11/17/93	11:09	11.7	7.8	10.3	154	2	10		1.9	0.048	230	23
920031	HOLLAND01	01/21/92	12:30	14.2	7.4	7.4	1620	9	100		14.0	0.638	1400	130
920256	HOLLAND01	04/20/92	10:50	19.9	7.6	1.0	1670	14	175		20.0	0.828	6200	500
920451	HOLLAND01	06/15/92	9:34	18.7	7.1	5.7	1190	9	100		15.0	0.663	2400	220
920532	HOLLAND01	07/20/92	12:35	23.3	7.2		966	17	140		11.0	0.616	1400	120
920634	HOLLAND01	08/17/92	9:05	24.0	7.1	6.9	1030	4	120		17.0	0.852	1900	170
920793	HOLLAND01	10/05/92	11:32	20.8	7.1	5.0	1370	11	120		20.0	0.940	2300	210
930012	HOLLAND01	01/11/93	9:25	8.9	7.0	5.1	2190	7	100		25.3	1.110	1900	180
930502	HOLLAND01	04/19/93	10:00	18.1	7.5	12.9	1900	11	200		27.0	1.050	2300	210
930817	HOLLAND01	06/14/93	8:40	24.0	7.2	2.4	764	7	80		14.2	0.648	1400	140
931004	HOLLAND01	07/06/93	9:55	24.6	7.1	1.3	809	13	175		18.1	0.839	2200	210
931351	HOLLAND01	08/30/93	8:20	21.5	7.2	4.6	559	6	150		14.2	0.636	1500	150
931673	HOLLAND01	10/18/93	7:40	17.2	6.5	5.0	755	9	200		17.2	0.862	2100	200
920030	HOLLAND02	01/21/92	12:10	13.9	7.4	4.6	1750	11	80		15.0	0.617	1300	120
920260	HOLLAND02	04/20/92	10:20	21.0	8.8	9.2	2400	7	150		21.0	0.825	3000	280
920450	HOLLAND02	06/15/92	9:15	18.5	7.4	3.0	1500	20	250		20.0	0.850	2900	280
920531	HOLLAND02	07/20/92	13:05	25.3	7.7		1240	8	140		18.0	0.779	2200	200
920633	HOLLAND02	08/17/92	8:50	22.5	7.2	3.0	1260	3	140		28.0	1.092	2400	230
920792	HOLLAND02	10/05/92	11:20	18.9	7.0	5.2	1480	6	100		15.0	0.658	1800	160
930011	HOLLAND02	01/11/93	9:05	8.5	6.9	7.0	1860	6	120		23.2	1.030	1700	160
930501	HOLLAND02	04/19/93	9:25	15.9	6.6	3.2	1050	13	120		17.0	0.648	1300	120
930816	HOLLAND02	06/14/93	8:58	25.2	7.3	4.4	911	21	140		15.5	0.662	1700	160
931003	HOLLAND02	07/06/93	9:30	23.9	7.1	4.2	625	12	200		19.9	0.972	2500	250
931350	HOLLAND02	08/30/93	8:40	19.3	7.2	5.1	920	13	150		13.9	0.588	1300	130
931672	HOLLAND02	10/18/93	8:00	15.0	7.1	7.1	1240	12	125		16.2	0.692	2000	180
920029	HOLLAND03	01/21/92	12:00	10.4	7.5	5.4	1430	19	80		16.0	0.876	1300	120
920259	HOLLAND03	04/20/92	10:05	20.0	7.4	4.4	2870	12	150		23.0	0.859	3100	280

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TFPC DATA REPORT

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920449	HOLLAND03	06/15/92	8:53	17.0	7.1	2.4	931	72	200		6.7	0.793	990	84
920530	HOLLAND03	07/20/92	13:30	23.7	7.3		1120	9	140		24.0	1.233	2800	250
920632	HOLLAND03	08/17/92	8:30	21.8	7.2	3.0	1180	4	140		28.0	0.850	2200	200
920791	HOLLAND03	10/05/92	10:55	19.5	6.9	2.0	1180	33	200		8.0	0.613	1000	84
930010	HOLLAND03	01/11/93	8:30	8.1	6.4	5.6	2020	6	140		31.2	1.380	2000	190
930500	HOLLAND03	04/19/93	8:50	15.9	6.9	3.5	1430	20	160		22.0	0.856	1800	160
930815	HOLLAND03	06/14/93	9:13	21.6	7.1	3.4	998	21	80		8.3	0.341	930	79
931002	HOLLAND03	07/06/93	9:45	20.6	7.2	2.4	857	24	150		9.4	0.375	1100	95
931349	HOLLAND03	08/30/93	9:10	18.9	7.0	2.6	873	30	250		8.5	0.967	830	72
931671	HOLLAND03	10/18/93	8:20	15.8	7.1	5.9	1020	19	125		10.4	0.532	1300	120
920088	HONKER	01/23/92	10:35	7.0	7.6	7.5	453	8	50		7.8	0.227	740	70
920317	HONKER	04/22/92	8:35	17.7	7.7	8.6	386	5	30		5.3	0.169	890	86
920590	HONKER	07/22/92	8:45	23.7	7.4	8.0	192	7	40		2.9	0.104	280	27
920692	HONKER	08/19/92	8:20	25.2	7.3	7.0	209	4	20		2.9	0.096	290	28
920852	HONKER	10/07/92	8:07	19.9	7.4	6.6	203	4	25		2.4	0.080	220	22
930071	HONKER	01/13/93	12:20	10.4	7.6	10.8	288	40	120		8.7	0.375	660	64
930582	HONKER	04/21/93	14:55	18.0	7.8	9.7	162	6	25		2.1	0.083	270	26
931063	HONKER	07/08/93	8:20	22.3	7.4	7.6	136	5	20		2.4	0.089	310	30
931410	HONKER	09/01/93	8:50	22.2	7.5	7.7	162	3	25		2.4	0.081	270	27
931732	HONKER	10/20/93	13:55	19.5	7.8	9.9	153	3	20		2.1	0.056	230	22
920040	KINGISPP01	01/21/92	9:51	11.3	6.4	11.3	426	9	50		9.7	0.231	640	63
920269	KINGISPP01	04/20/92	8:20	11.1	6.4	3.5	390	7	60		7.5	0.471	1400	140
920459	KINGISPP01	06/16/92	7:13	16.7	7.2	2.0	390	4	50		7.6	0.322	1100	110
920540	KINGISPP01	07/20/92	7:45	19.6	7.4	2.9	363	5	80		7.2	0.311	880	87
920641	KINGISPP01	08/17/92	7:40	20.5	7.0	3.1	375	5	50		7.0	0.282	780	77
920800	KINGISPP01	10/05/92	8:01	16.4	7.3	2.7	374	17	80		6.9	0.293	850	84
930509	KINGISPP01	04/19/93	8:07	14.8	7.4	3.8	374	10	60		7.6	0.263	680	67
930824	KINGISPP01	06/15/93	7:16	19.3	7.5	6.8	160	12	60		4.4	0.180	420	41
931011	KINGISPP01	07/06/93	7:30	20.0	7.3	3.8	363	4	50		6.8	0.270	970	94
931358	KINGISPP01	08/30/93	7:25	17.4	7.3	3.6	353	12	50		5.3	0.233	650	64
931682	KINGISPP01	10/18/93	7:40	15.3	7.3	4.0	368	8	80		5.7	0.234	610	60
920039	KINGISPP02	01/21/92	8:47	6.6	6.3	10.1	587	4	40		7.8	0.210	690	66
920268	KINGISPP02	04/20/92	9:05	18.9	6.6	5.2	926	11	100		10.0	0.343	1200	110
920041	KINGISPP03	01/21/92	9:24	9.6	6.5	7.0	1090	17	50		7.0	0.309	870	76
920270	KINGISPP03	04/20/92	8:38	18.8	6.6	2.6	1490	7	80		9.9	0.353	1500	130
920460	KINGISPP03	06/16/92	7:31	17.8	7.4	4.5	539	20	100		7.6	0.271	1200	110
920541	KINGISPP03	07/20/92	8:25	21.8	7.5	5.3	1040	7	60		9.7	0.363	1200	100
920642	KINGISPP03	08/17/92	8:00	23.9	7.1	4.9	1210	6	60		9.7	0.359	1200	97
920801	KINGISPP03	10/05/92	8:40	18.2	7.3	4.7	968	11	100		10.0	0.374	1300	120
930020	KINGISPP03	01/11/93	9:11	7.4	7.2	9.0	901	11	80		13.8	0.608	870	78
930510	KINGISPP03	04/19/93	8:29	16.4	7.5	5.3	1390	14	60		9.2	0.275	910	72
930825	KINGISPP03	06/15/93	7:31	18.8	7.4	6.6	522	20	50		5.3	0.208	730	65
931012	KINGISPP03	07/06/93	7:53	20.1	7.5	6.3	587	18	80		6.4	0.249	840	75
931359	KINGISPP03	08/30/93	7:45	20.1	7.6	5.0	688	23	100		10.1	0.404	1200	110
931683	KINGISPP03	10/18/93	8:10	16.2	7.9	6.4	778	20	100		8.5	0.303	930	84

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920095	LATHAM	01/23/92	9:00	7.1	7.1		423	7	40		5.7	0.200	630	60
920089	LCONNECT	01/23/92	10:50	6.9	7.7	9.0	247	6	35		5.1	0.188	550	54
920318	LCONNECT	04/22/92	8:10	17.5	7.8	8.8	231	4	25		3.0	0.087	390	38
920591	LCONNECT	07/22/92	8:20	22.7	7.4	8.1	179	6	30		2.5	0.097	280	25
920693	LCONNECT	08/19/92	7:55	24.7	7.1	7.1	163	4	20		2.5	0.080	210	21
920853	LCONNECT	10/07/92	7:45	19.7	7.6	6.7	232	3	20		2.2	0.086	210	20
930072	LCONNECT	01/13/93	12:31	10.2	7.5	10.2	247	38	120		10.9	0.446	790	78
930583	LCONNECT	04/21/93	15:25	17.2	7.6	9.5	145	7	25		1.9	0.074	230	23
931064	LCONNECT	07/08/93	8:45	22.3	7.4	8.2	120	4	20		2.2	0.076	270	27
931411	LCONNECT	09/01/93	9:15	22.2	7.6	8.3	162	4	20		2.5	0.089	270	26
931733	LCONNECT	10/20/93	14:10	18.6	7.4	8.4	151	4	20		2.4	0.056	210	21
920060	LJONES01	01/22/92	9:16	9.0	6.2	7.5	1080	20	120		14.0	0.542	1200	110
920289	LJONES01	04/21/92	8:55	18.0	7.1	3.4	812	38	250		10.0	0.483	1500	150
920480	LJONES01	06/18/92	7:20	20.6	6.6	2.3	779	29	140		16.0	0.654	2300	230
920561	LJONES01	07/21/92	8:20	20.9	6.9	2.4	603	23	140		13.0	0.527	1300	120
920662	LJONES01	08/18/92	11:00	21.9	6.8	3.7	579	20	140		12.0	0.501	1100	110
920822	LJONES01	10/06/92	7:33	17.9	6.8	2.7	686	80	150		8.4	0.352	880	81
930041	LJONES01	01/12/93	9:40	10.3	6.4	6.0	1560	28	120		30.6	1.160	1900	180
930552	LJONES01	04/22/93	9:40	17.7	7.0	4.4	644	35	140		8.5	0.280	690	64
930844	LJONES01	06/17/93	7:50	21.7	6.9	5.0	603	38	200		11.3	0.439	1300	130
931033	LJONES01	07/07/93	10:25	24.1	6.9	4.7	453	30	200		11.8	0.549	1300	130
931380	LJONES01	08/31/93	7:47	18.4	6.9	5.2	392	23	140		8.5	0.412	960	93
931704	LJONES01	10/19/93	10:03	15.3	6.8	2.6	536	28	100		6.8	0.398	870	82
920065	LJONES02	01/22/92	11:07	8.3	6.8	7.7	909	18	120		18.0	0.772	1500	140
920294	LJONES02	04/21/92	11:20	18.8	7.9	4.1	695	22	150		13.0	0.517	1600	160
920485	LJONES02	06/18/92	9:22	20.8	6.7	4.8	590	11	80		7.6	0.318	1100	100
920566	LJONES02	07/21/92	11:25	23.2	7.5	4.0	568	12	100		9.7	0.373	910	84
920667	LJONES02	08/18/92	7:45	21.6	7.0	4.9	585	15	60		8.9	0.352	990	92
920827	LJONES02	10/06/92	9:52	18.5	6.9	5.3	628	15	100		5.3	0.225	620	56
931038	LJONES02	07/07/93	7:20	21.5	6.7	6.1	349	16	125		8.8	0.387	1100	110
931709	LJONES02	10/19/93	10:30	16.5	6.4	2.8	728	5	140		14.9	0.658	1400	140
920087	LPOTTERM	01/23/92	10:05	7.0	7.5	7.8	242	7	35		4.6	0.148	510	50
920316	LPOTTERM	04/22/92	9:40	17.6	7.8	8.7	210	6	25		2.7	0.072	350	35
920589	LPOTTERM	07/22/92	9:30	23.3	7.5	8.6	150	6	30		2.7	0.105	190	18
920691	LPOTTERM	08/19/92	9:00	25.2	7.2	7.1	162	4	20		2.5	0.082	240	23
920851	LPOTTERM	10/07/92	8:40	20.3	7.5	6.8	175	4	20		1.8	0.047	160	16
930070	LPOTTERM	01/13/93	11:45	10.9	7.6	10.6	202	48	100		8.9	0.387	610	61
930581	LPOTTERM	04/21/93	14:10	17.1	7.5	9.8	133	7	25		1.8	0.072	230	22
931062	LPOTTERM	07/08/93	9:30	22.3	7.5	8.1	128	6	25		2.2	0.076	280	25
931409	LPOTTERM	09/01/93	10:10	22.1	7.6	8.3	159	4	25		2.2	0.068	230	22
931731	LPOTTERM	10/20/93	13:20	18.2	7.3	8.3	142	5	20		2.0	0.058	200	19
920006	MALLARDIS	01/07/92	11:03	9.4	7.4	11.5	8980	8	20		2.2	0.063	590	30
920084	MALLARDIS	01/23/92	12:45	7.4	7.4	8.5	9000	12	15		2.6	0.076	800	42
920143	MALLARDIS	02/04/92	10:15	10.4	7.3	11.2	9970	8	20		2.6	0.076	880	45
920166	MALLARDIS	02/24/92	10:50	13.6	7.4	12.6	448	35	60		5.8	0.192	650	60

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
920188	MALLARDIS	03/10/92	9:40	15.6	7.9	9.1	1360	23	60		4.6	0.171	710	49
920211	MALLARDIS	03/24/92	9:15	15.6	7.5	8.1			60		5.2	0.136	800	51
920238	MALLARDIS	04/07/92	11:50	17.9	7.7	10.3	2530	23	60		3.6	0.111	1000	60
920313	MALLARDIS	04/22/92	11:40	18.5	7.9	9.1	2450	24	50		3.5	0.099	870	55
920360	MALLARDIS	05/07/92	7:53	19.7	8.0	7.7	15000	24	30		2.9	0.099	1100	58
920393	MALLARDIS	05/19/92	7:59	19.5	7.7	8.6	15100	22	30		2.7	0.098	1000	54
920439	MALLARDIS	06/09/92	7:28	20.2	7.5		8490	22	30		2.8	0.090	920	50
920495	MALLARDIS	06/23/92	9:50	22.4	8.2		10000	11	25		2.7	0.082	1200	74
920511	MALLARDIS	07/07/92	9:45	21.7	7.9	8.0	9850	12	20		2.5	0.082	1000	54
920586	MALLARDIS	07/22/92	11:25	21.8	7.8	9.1	12200	11	25		2.3	0.083	1000	50
920613	MALLARDIS	08/04/92	10:00	22.1	7.7	10.5	11400	14	25		2.2	0.115	1100	54
920688	MALLARDIS	08/19/92	10:30	23.3	7.7	8.2	12700	16	50		2.4	0.081	710	37
920714	MALLARDIS	09/01/92	10:30	22.3	7.7	8.0	12600	15	25		2.3	0.080	670	35
920777	MALLARDIS	09/22/92	7:28	19.4	7.5	8.6	10100	14	25		2.3	0.073	560	30
920848	MALLARDIS	10/07/92	10:24	21.5	7.7	7.1	11600	7	25		2.0	0.086	630	34
920876	MALLARDIS	10/19/92	8:30	18.8	7.7	8.6	14200	7	15		2.2	0.070	440	23
920986	MALLARDIS	11/17/92	9:00	15.6	7.6	10.0	15800	9	10		2.0	0.069	550	32
921016	MALLARDIS	12/08/92	10:15	12.2	7.6	9.9	16600	7	10		2.4	0.078	600	34
930067	MALLARDIS	01/13/93	9:50	10.8	7.6	10.8	1000	44	100		4.6	0.182	610	46
930128	MALLARDIS	01/26/93	10:35	11.5	7.7		213	84	150		5.7	0.243	740	74
930205	MALLARDIS	02/10/93	8:56	11.1	7.8	9.8	502	60	80		4.4	0.165	580	52
930233	MALLARDIS	02/16/93	9:10	11.8	7.1	5.9	255				4.9	0.176	680	67
930402	MALLARDIS	03/25/93	10:25	14.5	7.7	10.0	193	25	40		2.6	0.092	220	21
930440	MALLARDIS	04/06/93	8:09	14.6	7.9	10.0	159	21	35		2.7	0.088	190	19
930578	MALLARDIS	04/21/93	11:25	18.0	7.8	9.5	200	13	25		1.9	0.077	230	23
930682	MALLARDIS	05/12/93	7:54	17.8	7.7	9.9	229	16	25		2.3	0.076	230	22
930794	MALLARDIS	06/08/93	7:54	18.6	7.5	8.1	160	29	35		2.4	0.109	200	20
931059	MALLARDIS	07/08/93	11:20	22.3	7.7	8.3	1370	28	60		2.0	0.069	380	26
931164	MALLARDIS	07/22/93	8:35	23.1	7.0	5.9	3780	35	45		2.2	0.062	570	33
931308	MALLARDIS	08/12/93	8:10	20.8	7.6	8.1	690	22	40		1.9	0.070	270	20
931406	MALLARDIS	09/01/93	11:45	23.2	7.8	8.1	1640	14	30		2.2	0.063	390	25
931560	MALLARDIS	09/23/93	7:40	18.8	7.4	8.8	5020	30	60		2.9	0.070	490	28
931635	MALLARDIS	10/05/93	7:50	18.0	7.4	7.1	6960	15	30		2.4	0.056	500	28
931728	MALLARDIS	10/20/93	11:05	18.3	7.4	8.3	8040	11	30		2.2	0.056	490	27
931920	MALLARDIS	11/17/93	9:07	12.2	7.3	8.6	11600	11	20		2.3	0.057	610	32
931999	MALLARDIS	12/16/93	9:50	11.1	7.4	10.3	6570	17	25		2.3	0.058	550	32
920063	MANDEVILLEPP01	01/22/92	10:07	8.0	6.2	5.4	798	16	200		52.0	2.615	2200	220
920292	MANDEVILLEPP01	04/21/92	10:20	18.2	6.4	3.0	632	68	400		38.0	1.228	2300	230
920483	MANDEVILLEPP01	06/18/92	8:21	19.8	6.8	9.3	556	9	80		14.0	0.666	2500	240
920825	MANDEVILLEPP01	10/06/92	8:37	18.2	6.6	2.6	578	38	350		21.0	1.684	2200	220
930044	MANDEVILLEPP01	01/12/93	11:00	8.6	6.6	6.7	1020	10	160		38.3	1.710	2400	230
930555	MANDEVILLEPP01	04/22/93	11:00	16.8	6.9	6.3	574	35	180		27.0	0.957	1700	170
930847	MANDEVILLEPP01	06/17/93	8:41	20.1	6.9	4.6	424	33	120		10.1	0.405	1200	110
931036	MANDEVILLEPP01	07/07/93	11:20	24.7	6.2	5.0	351	19	125		7.7	0.317	1000	98
931383	MANDEVILLEPP01	08/31/93	8:46	18.4	6.7	2.2	323	19	250		14.7	0.830	1400	140

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
931707	MANDEVILLEPP01	10/19/93	9:09	14.4	6.6	3.0	406	22	180		10.3	0.585	1200	120
920064	MANDEVILLEPP02	01/22/92	10:30	10.0	6.8	6.8	852	4	120		61.0	2.900	2400	230
920293	MANDEVILLEPP02	04/21/92	10:45	17.0	7.2	6.7	659	56	400		24.0	1.190	2800	280
920484	MANDEVILLEPP02	06/18/92	8:46	20.7	6.7	6.2	567	14	120		15.0	0.625	2300	230
920565	MANDEVILLEPP02	07/21/92	10:40	21.3	7.2	4.4	515	6	200		26.0	1.402	2700	280
920666	MANDEVILLEPP02	08/18/92	10:10	20.3	7.3	6.0	499	7	140		21.0	1.083	2200	220
920826	MANDEVILLEPP02	10/06/92	9:01	16.3	6.7	4.7	461	4	75		15.0	0.639	1300	130
930556	MANDEVILLEPP02	04/22/93	11:25	17.7	6.9	6.5	675	37	200		36.0	1.840	2900	290
930848	MANDEVILLEPP02	06/17/93	9:02	20.5	7.1	5.2	497	29	250		16.5	0.873	2000	190
931037	MANDEVILLEPP02	07/07/93	12:00	26.1	6.5	5.2	410	16	200		14.4	0.669	1900	190
931384	MANDEVILLEPP02	08/31/93	9:17	19.2	6.9	4.8	582	25	400		25.6	1.490	3100	300
931708	MANDEVILLEPP02	10/19/93	9:30	14.9	6.5	4.2	510	32	200		12.9	0.660	1600	160
920049	MAZE	01/22/92	9:40	9.7	7.7	10.4	1230	9	30		5.3	0.089	530	44
920169	MAZE	02/25/92	8:40	14.3	7.9	9.7	1050	28	80		8.6	0.251	880	82
920214	MAZE	03/26/92	8:33	17.6	7.6	8.9	1360	39	60		28.0	0.713	210	17
920241	MAZE	04/07/92	7:00	16.0	7.7	8.2	1470	13	40		5.8	0.141	770	62
920278	MAZE	04/21/92	7:15	18.2	8.0	8.8	1390	18	40		5.2	0.119	590	47
920396	MAZE	05/21/92	7:03	19.4	8.3	9.1	1190	21	40		3.9	0.105	750	56
920498	MAZE	06/25/92	12:15	25.9		12.3	1380	38	80		4.4	0.136	860	66
920549	MAZE	07/21/92	7:15	21.7	8.6	8.8	1390	39	60		4.6	0.117	650	47
920650	MAZE	08/18/92	6:45	23.2	8.0	7.9	1320	35	80		5.2	0.110	510	37
920780	MAZE	09/24/92	10:08	21.9	8.4	10.4	1130	11	50		3.6	0.096	460	36
920809	MAZE	10/06/92	7:30	18.5	7.8	7.9	1290	14	35		3.2	0.083	440	34
920989	MAZE	11/19/92	11:50	12.5	7.8	8.5	937	10	15		2.6	0.065	280	22
921019	MAZE	12/10/92	8:40	12.9	7.3	10.2	860	16	15		2.9	0.066	300	24
930028	MAZE	01/12/93	8:30	9.3	7.9	9.1	286	88	160		12.4	0.449	740	73
930190	MAZE	02/09/93	9:10	13.3	6.8	9.2	974	160	250			0.300	870	81
930321	MAZE	03/09/93	8:30	17.2	7.3	8.4	1330	16	40		6.2	0.182	770	68
930467	MAZE	04/08/93	7:20	19.2	7.6	8.5	1080	20	50		7.2	0.176	600	53
930540	MAZE	04/20/93	7:15	15.9	7.3		633	22	40		4.0	0.123	410	37
930687	MAZE	05/13/93	7:33	18.7	7.3	8.6	663	18	40		3.8	0.112	430	39
930799	MAZE	06/10/93	7:30	23.8	7.4	7.7	687	14	35		3.6	0.115	380	34
931020	MAZE	07/07/93	6:35	23.9	7.4	7.1	947	42	60		3.9	0.112	600	51
931149	MAZE	07/20/93	8:25	22.9	7.8		856	44	50		4.3	0.109	490	41
931367	MAZE	08/31/93	8:35	19.9	7.6	7.8	372	20	40		3.2	0.090	370	34
931545	MAZE	09/21/93	7:30	18.9	7.2	6.2	523	14	30		2.8	0.110	350	31
931691	MAZE	10/19/93	11:05	17.5	7.0	8.9	281	12	30		3.0	0.091	350	34
931852	MAZE	11/10/93	12:40	15.0	7.9	8.9	884	12	30		4.4	0.093	480	40
932026	MAZE	12/15/93	10:00	11.1	8.0	9.6	829	14	30		3.9	0.100	560	49
920075	MIDDLER	01/23/92	11:25	7.6	7.4	10.9	480	7	40		5.5	0.201	680	64
920173	MIDDLER	02/25/92	11:20	15.6	8.0	9.4	491	15	60		10.0	0.370	910	88
920218	MIDDLER	03/26/92	11:05	16.9	7.5	9.5	293	9	60		6.0	0.226	600	58
920304	MIDDLER	04/22/92	10:40	18.5	7.3	8.9	336	4	35		5.0	0.170	820	80
920400	MIDDLER	05/21/92	9:19	22.6	8.1	7.9	450	8	30		7.1	0.142	720	67
920502	MIDDLER	06/25/92	8:30	24.2	7.7	7.2	806	6	30		4.0	0.123	620	52

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TFPC DATA REPORT

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920576	MIDDLER	07/22/92	10:45	23.8	6.6	7.6	582	6	30		3.8	0.130	430	35
920677	MIDDLER	08/19/92	10:14	26.3	7.5	7.4	533	5	30		4.1	0.129	380	32
920784	MIDDLER	09/24/92	7:25	21.5	7.6	7.6	479	5	30		3.1	0.096	370	32
920837	MIDDLER	10/07/92	10:20	21.4	8.1	7.8	529	6	30		3.3	0.099	360	30
920993	MIDDLER	11/19/92	8:45	13.4	7.8	8.9	653	4	20		3.6	0.119	420	35
921023	MIDDLER	12/10/92	12:15	13.1	7.5	10.8	726	5	30		4.7	0.155	560	48
930056	MIDDLER	01/13/93	10:40	9.1	7.0	11.0	445	17	80		8.1	0.277	600	56
930194	MIDDLER	02/09/93	12:35	13.2	7.6	8.9	331	20	80		8.4	0.356	860	85
930325	MIDDLER	03/09/93	11:10	15.6	7.6	8.4	520	11	50		8.5	0.312	900	87
930471	MIDDLER	04/08/93	10:45	18.0	7.4	7.9	477	9	40		7.5	0.213	530	50
930567	MIDDLER	04/21/93	10:11	18.2	7.2	6.5	464	7	35		5.2	0.116	500	47
930691	MIDDLER	05/13/93	10:36	19.7	7.8	9.3	499	6	35		4.8	0.156	500	47
930803	MIDDLER	06/10/93	10:13	22.1	7.7	8.0	306	7	30		3.4	0.116	310	30
931048	MIDDLER	07/08/93	9:50	24.6	7.6	6.6	191	7	40		3.1	0.108	380	37
931153	MIDDLER	07/20/93	11:20	24.1	7.7		164	10	30		3.1	0.118	340	34
931297	MIDDLER	08/10/93	8:10	22.4	7.1	7.7	153	9	35		2.9	0.105	280	27
931395	MIDDLER	09/01/93	12:10	24.5	7.1	7.5	176	6	30		3.1	0.116	360	35
931549	MIDDLER	09/21/93	10:40	21.0	8.5	4.6	242	7	25		2.8	0.117	330	32
931717	MIDDLER	10/20/93	11:55	19.2	7.4	8.4	278	6	30		2.5	0.082	270	26
931856	MIDDLER	11/10/93	8:50	15.4	7.5	8.1	312	5	25		2.9	0.100	380	35
932030	MIDDLER	12/15/93	7:30	9.7	7.7	10.4	321	5	20		3.4	0.119	430	40
920074	MIDMOWRY	01/23/92	10:55	8.7	7.7	10.5	1080	5	25		3.4	0.075	430	35
920303	MIDMOWRY	04/22/92	9:20	16.8	7.7	9.7	807	13	40		3.4	0.170	550	45
920575	MIDMOWRY	07/22/92	10:20	22.3	8.2	8.8	1070	22	80		5.5	0.128	580	45
920676	MIDMOWRY	08/19/92	9:45	26.2	8.5	9.3	1090	15	80		5.0	0.120	480	38
920836	MIDMOWRY	10/07/92	9:50	19.8	8.1	7.6	834	17	50		3.3	0.082	370	30
930055	MIDMOWRY	01/13/93	10:05	9.0	7.1	9.3	261	44	160		10.3	0.486	680	67
930566	MIDMOWRY	04/21/93	9:31	18.1	7.4	7.0	583	10	35		3.9	0.113	420	38
931047	MIDMOWRY	07/08/93	9:25	25.1	7.7	7.5	782	29	60		3.6	0.106	470	40
931394	MIDMOWRY	09/01/93	11:30	24.5	7.1	7.8	361	14	40		2.9	0.091	370	34
931716	MIDMOWRY	10/20/93	11:10	17.6	7.3	8.1	270	16	60		2.9	0.088	330	32
920086	MOKGEORGIANA	01/23/92	9:45	7.1	7.9	8.4	216	5	20		2.7	0.065		
920315	MOKGEORGIANA	04/22/92	10:05	17.7	7.6	8.3	209	7	25		2.6	0.071	290	29
920588	MOKGEORGIANA	07/22/92	10:10	23.2	7.5	9.0	139	6	20		1.7	0.046	140	14
920690	MOKGEORGIANA	08/19/92	9:25	25.5	7.3	7.4	158	4	15		1.8	0.044	150	15
920850	MOKGEORGIANA	10/07/92	9:05	20.3	7.6	6.9	163	6	20		1.6	0.034	140	14
930069	MOKGEORGIANA	01/13/93	11:15	10.8	8.0	10.8	192	44	80		6.0	0.270	500	50
930580	MOKGEORGIANA	04/21/93	13:30	16.5	7.6	9.7	133	13	30		1.4	0.054	190	19
931061	MOKGEORGIANA	07/08/93	10:00	22.2	7.5	8.2	109	8	20		1.6	0.047	200	20
931408	MOKGEORGIANA	09/01/93	10:35	21.6	7.6	8.7	143	4	20		1.8	0.055	190	19
931730	MOKGEORGIANA	10/20/93	12:55	17.8	7.5	8.3	130	5	15		1.8	0.048	170	17
920004	MRIVBACON	01/07/92	8:33	9.1	6.9	11.2	519	5	35		6.3	0.223	660	62
920076	MRIVBACON	01/23/92	12:00	8.4	7.4	10.7	455	6	40		6.0	0.220	730	69
920219	MRIVBACON	03/26/92	11:35	16.9	7.5	9.5	290	9	50		6.1	0.228	610	60
920236	MRIVBACON	04/07/92	8:45	17.4	7.6	8.7	297	6	40		5.1	0.175	660	64

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
920305	MRIVBACON	04/22/92	10:05	18.2	7.5	8.6	335	5	40		5.1	0.177	900	6
920358	MRIVBACON	05/07/92	10:02	21.9	8.5	8.0	456	6	30		4.6	0.149	710	66
920401	MRIVBACON	05/21/92	9:50	21.7	8.3	7.8	458	8	30		4.4	0.134	710	65
920437	MRIVBACON	06/09/92	9:56	24.4	7.7		535	7	40		3.8	0.128	650	57
920503	MRIVBACON	06/25/92	7:45	23.1	7.9	6.8	564	7	35		3.9	0.130	620	53
920577	MRIVBACON	07/22/92	11:22	24.6	7.5	7.1	527	7	40		3.7	0.128	460	37
920611	MRIVBACON	08/04/92	6:30	24.0	7.2	8.1	571	7	40		4.1	0.143	540	44
920678	MRIVBACON	08/19/92	10:45	26.2	7.5	7.3	484	5	30		4.0	0.138	380	33
920712	MRIVBACON	09/01/92	7:15	22.2	7.4	7.5	465	6	25		3.5	0.123	360	31
920785	MRIVBACON	09/24/92	6:50	21.0	7.4	7.7	458	6	20		3.2	0.096	340	30
920838	MRIVBACON	10/07/92	10:55	21.7	8.0	7.6	522	4	25		3.2	0.102	360	31
920874	MRIVBACON	10/19/92	11:00	21.0	7.5	7.5	534	4	30		3.1	0.099	290	25
920994	MRIVBACON	11/19/92	7:45	13.8	7.0	8.2	607	4	20		3.7	0.125	410	35
921024	MRIVBACON	12/10/92	12:50	12.5	7.3	10.5	686	4	25		5.2	0.170	560	49
930057	MRIVBACON	01/13/93	11:30	9.0	7.1	10.8	423	16	80		7.4	0.278	610	57
930126	MRIVBACON	01/26/93	14:00	13.1	7.5		373	21	60		11.3	0.437	1700	170
930195	MRIVBACON	02/09/93	13:15	13.0	7.5	8.8	320	19	80		8.3	0.327	860	84
930231	MRIVBACON	02/16/93	12:45	13.0		8.0	524	14	70		9.9	0.362	1100	100
930326	MRIVBACON	03/09/93	11:25	15.5	7.4	8.2	471	10	60		9.0	0.313	950	92
930400	MRIVBACON	03/25/93	13:50	16.9	7.5	10.0	416	7	40		5.7	0.213	500	48
930472	MRIVBACON	04/08/93	11:30	19.1	7.5	8.0	465	9	50		8.0	0.222	530	51
930568	MRIVBACON	04/21/93	11:37	18.2	7.5	7.2	440	6	30		4.9	0.156	450	42
930692	MRIVBACON	05/13/93	11:04	19.7	7.7	8.8	411	5	40		4.4	0.142	470	44
930804	MRIVBACON	06/10/93	10:42	21.7	7.5	7.5	337	5	30		3.4	0.114	290	27
931049	MRIVBACON	07/08/93	10:20	24.4	7.6	8.2	203	6	40		3.2	0.112	400	38
931154	MRIVBACON	07/20/93	11:50	24.2	7.6		161	8	35		3.0	0.118	350	34
931298	MRIVBACON	08/10/93	7:30	22.9	7.3	7.5	147	7	30		3.4	0.106	150	15
931396	MRIVBACON	09/01/93	12:45	24.7	7.0	7.7	175	4	35		2.7	0.102	330	32
931550	MRIVBACON	09/21/93	11:10	21.3	8.1	4.5	275	7	25		2.9	0.113	300	28
931718	MRIVBACON	10/20/93	12:30	19.2	7.4	8.2	287	6	30		2.6	0.088	300	28
931857	MRIVBACON	11/10/93	8:00	15.4	7.5	8.0	293	4	30		3.0	0.098	400	37
932031	MRIVBACON	12/15/93	7:00	9.8	7.1	10.0	305	5	20		3.2	0.107	430	40
920056	NATOMAS	01/22/92	12:45	12.2	8.3	11.0			40		4.1	0.102	370	35
920161	NATOMAS	02/24/92	7:00	14.2	6.7	10.0	501	84	140		9.3	0.283	800	79
920206	NATOMAS	03/24/92	12:46	17.4	7.6	10.8	672	29	80		3.9	0.104	400	38
920285	NATOMAS	04/21/92	11:40	21.5	8.6	12.1	842	16	60		4.5	0.098	700	66
920386	NATOMAS	05/19/92	10:35	22.8	8.3	9.3	607	10	40		4.3	0.119	630	
920388	NATOMAS	05/19/92	10:35	22.8	8.3	9.3	631	11	40		4.3	0.116	670	64
920490	NATOMAS	06/23/92	6:00	23.2	7.2	5.2	464	24	50		6.0	0.182	790	77
920555	NATOMAS	07/21/92	11:00	25.1	7.6	7.8	471	60	100		4.8	0.140	460	44
920655	NATOMAS	08/18/92	10:55	26.8	7.7	7.9	322	22	60		3.9	0.100	170	16
920772	NATOMAS	09/22/92	11:07	22.1	7.7	7.6	548	72	80		6.2	0.211	530	51
920815	NATOMAS	10/06/92	11:45	22.2	7.5	9.8	488	24	75		4.7	0.127	470	46
920981	NATOMAS	11/17/92	12:22	14.2	7.8	11.1	728	18	50		4.7	0.144	410	39
921011	NATOMAS	12/08/92	14:30	10.9	8.0	9.2	574	42	70		4.8	0.122	390	38

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
930034	NATOMAS	01/12/93	14:30	7.9	8.0	9.7	515	68	120		7.2	0.236	530	51
930200	NATOMAS	02/10/93	12:26	12.5	7.0	7.8	294	160	200		8.1	0.372	790	78
930331	NATOMAS	03/11/93	11:25	18.5	7.8	7.5	792	40	40		5.0	0.125	520	49
930435	NATOMAS	04/08/93	11:15	18.4	7.9		781	28	35		3.1	0.084	250	23
930545	NATOMAS	04/20/93	11:10	20.1	8.4		775	16	40		3.1	0.082	270	25
930677	NATOMAS	05/12/93	10:17	19.9	8.5	15.3	778	18	60		5.1	0.131	470	44
930789	NATOMAS	06/08/93	11:16	22.0	7.8	7.0	580	18	45		4.7	0.131	400	38
930837	NATOMAS	06/16/93	12:00	24.5	7.7	9.0	710	22	50		5.1	0.117	610	58
931026	NATOMAS	07/07/93	10:20	26.0	7.6	6.8	622	29	60		5.3	0.139	660	64
931159	NATOMAS	07/22/93	11:40	27.8	7.7	6.6	635	16	50		5.8	0.142	630	60
931303	NATOMAS	08/12/93	11:45	22.2	7.5	6.5	519	72	50		4.4	0.118	420	41
931373	NATOMAS	08/31/93	14:15	25.7	7.8	7.9	486	52	80		5.3	0.138	570	56
931555	NATOMAS	09/23/93	10:50	21.4	7.6	5.6	417	36	60		4.6	0.124	430	42
931630	NATOMAS	10/05/93	11:15	19.1	7.7	6.1	553	35	60		6.8	0.205	840	82
931697	NATOMAS	10/19/93	13:10	19.5	8.0	10.6	607	28	80		6.4	0.183	790	76
931915	NATOMAS	11/17/93	12:34	11.7	7.0	11.9	586	<1	50		6.8	0.186	430	41
931994	NATOMAS	12/08/93	7:25	12.4	6.9	10.7	704	38	125		5.9	0.148	730	71
920101	NORTHCAN	01/23/92	10:25	6.7			478	8	40		5.5	0.217	600	56
920199	NORTHCAN	03/11/92	10:00	15.1	7.5	8.1	324	12	40		8.1	0.308	800	78
920251	NORTHCAN	04/08/92	9:45	18.4	7.7	8.7	304	6	40		5.7	0.178	590	58
920330	NORTHCAN	04/22/92	9:15	18.0	7.5	10.7	358	6	40		5.1	0.173	800	78
920350	NORTHCAN	05/05/92	8:45	22.0	7.7	8.0	412	7	35		4.8	0.162	780	73
920429	NORTHCAN	06/11/92	8:50	20.8	7.5	7.5	557	10	40		4.2	0.132	670	59
920522	NORTHCAN	07/09/92	8:45	24.1	7.6	7.1	625	7	25		3.7	0.118	530	45
920603	NORTHCAN	07/22/92	8:30	22.9	7.6	7.9	679	9	40		4.1	0.169	540	44
920624	NORTHCAN	08/06/92	8:45	23.8	7.4	7.4	708	14	35		4.0	0.140	590	46
920703	NORTHCAN	08/19/92	8:30	26.0	7.3	6.7	546	8	35		3.9	0.136	510	43
920725	NORTHCAN	09/03/92	8:25	21.7	7.4	7.4	569	7	30		3.4	0.119	430	35
920863	NORTHCAN	10/07/92	8:50	20.5	7.6	7.6	531	7	30		3.2	0.104	400	34
920887	NORTHCAN	10/20/92	10:43	20.2	7.6	7.8	672	5	30		3.4	0.117	370	30
931745	NORTHCAN	10/20/93	9:05	18.1	7.5	7.4	279	8	30		2.5	0.083	290	27
920099	NVICWOOD	01/23/92	10:05	6.5			491	7	40		6.0	0.238	620	58
920197	NVICWOOD	03/11/92	9:35	15.1	7.4	8.2	322	12	80		8.1	0.307	800	78
920249	NVICWOOD	04/08/92	9:20	17.8	7.6	8.7	299	6	40		5.1	0.178	630	60
920328	NVICWOOD	04/22/92	8:45	17.9	7.5	10.8	347	6	40		5.0	0.176	880	86
920348	NVICWOOD	05/05/92	8:25	22.0	7.8	8.4	413	6	35		4.9	0.163	840	79
920427	NVICWOOD	06/11/92	8:30	22.5	7.5	6.9	766	8	40		4.0	0.119	870	72
920520	NVICWOOD	07/09/92	8:20	24.0	7.5	7.1	738	6	20		3.4	0.105	530	42
920601	NVICWOOD	07/22/92	8:05	23.5	7.5	7.6	765	7	40		3.4	0.128	560	42
920622	NVICWOOD	08/06/92	8:20	23.9	7.5	7.3	790	8	25		3.6	0.121	540	40
920701	NVICWOOD	08/19/92	8:05	25.5	7.5	7.0	708	6	30		3.8	0.136	500	39
920723	NVICWOOD	09/03/92	8:05	21.9	7.3	7.4	812	7	25		3.2	0.106	450	34
920861	NVICWOOD	10/07/92	8:30	20.4	7.7	7.9	761	7	30		2.8	0.097	400	31
920885	NVICWOOD	10/20/92	9:15	20.1	7.7	7.8	723	3	30		3.1	0.110	350	28
930593	NVICWOOD	04/21/93	8:30	17.3	7.6	8.7	429	7	35			0.166	520	49

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931743	NVICWOOD	10/20/93	8:41	18.0	7.3	7.5	279	6	30		2.5	0.086	290	27
920103	OLDR-DMC-CLIFT	01/23/92	10:40	6.9			558	7	40		5.6	0.236	720	66
920201	OLDR-DMC-CLIFT	03/11/92	10:20	14.6	7.5	8.0	342	13	60		7.5	0.302	670	65
920253	OLDR-DMC-CLIFT	04/08/92	10:05	17.9	7.7	8.8	334	7	40		4.9	0.164	640	61
920332	OLDR-DMC-CLIFT	04/22/92	9:30	18.3	7.6	10.5	409	9	40		4.9	0.167	850	83
920352	OLDR-DMC-CLIFT	05/05/92	9:05	22.4	7.9	8.7	394	7	30		4.8	0.163	870	82
920431	OLDR-DMC-CLIFT	06/11/92	9:05	21.9	7.6	7.3	689	16	50		4.2	0.131	800	68
920524	OLDR-DMC-CLIFT	07/09/92	9:20	23.9	7.7	7.4	767	17	35		4.1	0.118	630	52
920605	OLDR-DMC-CLIFT	07/22/92	8:50	22.7	7.4	7.5	798	15	40		4.0	0.149	580	46
920626	OLDR-DMC-CLIFT	08/06/92	9:20	22.9	7.8	7.4	925	19	40		5.4	0.135	640	51
920705	OLDR-DMC-CLIFT	08/19/92	8:50	26.0	7.3	6.3	682	13	35		4.8	0.141	540	44
920727	OLDR-DMC-CLIFT	09/03/92	8:45	21.6	7.9	7.4	966	14	40		4.4	0.112	480	39
920865	OLDR-DMC-CLIFT	10/07/92	9:10	20.6	7.5	7.5	864	12	35		4.6	0.099	430	36
920889	OLDR-DMC-CLIFT	10/20/92	11:11	19.9	7.5	7.7	777	8	35		3.4	0.107	360	29
931747	OLDR-DMC-CLIFT	10/20/93	9:50	18.1	7.4	7.8	350	7	30		2.5	0.085	300	26
920105	OLDRIVDMC	01/23/92	10:55	6.7			538	7	40		5.5	0.200	660	61
920203	OLDRIVDMC	03/11/92	10:35	15.6	7.5	8.0	349	13	60		7.6	0.302	760	74
920255	OLDRIVDMC	04/08/92	10:20	17.9	7.7	8.6	329	8	40		5.2	0.213	530	52
920334	OLDRIVDMC	04/22/92	9:50	18.3	7.6	10.3	412	9	40		5.0	0.170	780	75
920354	OLDRIVDMC	05/05/92	9:20	22.4	8.0	8.8	386	8	35		4.8	0.158	1000	96
920433	OLDRIVDMC	06/11/92	9:40	21.6	7.6	7.0	679	11	40		4.2	0.127	780	66
920526	OLDRIVDMC	07/09/92	9:40	24.1	7.7	7.0	794	22	40		4.0	0.116	600	49
920607	OLDRIVDMC	07/22/92	9:05	22.6	7.5	7.5	761	13	60		4.1	0.140	640	50
920628	OLDRIVDMC	08/06/92	9:30	23.3	7.8	7.2	742	11	35		4.2	0.135	550	42
920707	OLDRIVDMC	08/19/92	9:05	25.8	7.6	7.4	875	10	35		4.3	0.131	550	44
920729	OLDRIVDMC	09/03/92	8:55	21.6	7.6	7.4	743	12	30		3.9	0.119	440	36
920867	OLDRIVDMC	10/07/92	9:25	20.6	7.5	7.5	706	20	30		3.2	0.102	450	37
920891	OLDRIVDMC	10/20/92	11:40	21.2	7.6	7.7	825	10	40		3.5	0.106	360	29
931749	OLDRIVDMC	10/20/93	10:13	18.4	7.4	7.7	337	12	30		3.2	0.084	310	28
920072	OLDRTRACY	01/23/92	10:03	7.4	7.6	10.1	1150	8	25		3.4	0.082	410	33
920301	OLDRTRACY	04/22/92	8:40	17.6	7.6	9.0	1110	14	60		4.4	0.108	720	60
920573	OLDRTRACY	07/22/92	9:20	23.1	7.6	7.2	1120	19	50		5.2	0.148	620	48
920674	OLDRTRACY	08/19/92	9:10	25.9	7.6	6.8	1160	13	80		5.3	0.152	550	44
920834	OLDRTRACY	10/07/92	9:04	21.0	7.7	7.6	974	15	50		4.0	0.106	490	40
930053	OLDRTRACY	01/13/93	9:20	9.8	7.0	9.7	332	60	160		10.4	0.471	770	76
930564	OLDRTRACY	04/21/93	8:39	18.3	7.3	6.9	802	17	45		4.4	0.114	410	36
931045	OLDRTRACY	07/08/93	8:35	25.0	7.5	5.9	950	20	50		4.2	0.111	530	44
931392	OLDRTRACY	09/01/93	10:25	23.6	7.1	6.8	530	12	45		3.4	0.104	450	40
931714	OLDRTRACY	10/20/93	10:10	17.5	7.4	8.4	249	16	50		2.8	0.083	310	29
920067	ORWOODPP	01/22/92	12:25	8.5	7.0	9.3	1710	24	60		9.2	0.332	970	89
920296	ORWOODPP	04/21/92	12:30	19.8	7.8	3.2	1080	38	125		13.0	0.400	1700	170
920487	ORWOODPP	06/18/92	10:14	23.3	7.2	6.4	959	23	60		5.3	0.179	950	79
920568	ORWOODPP	07/21/92	13:30	24.2	6.9	4.8	986	15	120		14.0	0.624	1400	130
930559	ORWOODPP	04/22/93	7:50	16.8	7.4	5.9	1270	23	40		9.9	0.306	940	87
930851	ORWOODPP	06/17/93	10:33	24.2	7.4	6.5	1580	22	100		10.2	0.386	1400	130

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931040	ORWOODPP	07/07/93	15:00	27.7	7.0	5.7	613	22	150		9.7	0.331	1200	110
931387	ORWOODPP	08/31/93	10:51	22.5	7.1	4.2	427	15	80		8.3	0.275	940	91
931679	ORWOODPP	10/18/93	7:07	16.9	6.3	4.5	640	6	150		18.7	0.813	1900	190
920066	PALMTRPP	01/22/92	11:50	8.1	6.2	5.1	1680	13	200		47.0	2.020	2400	230
920295	PALMTRPP	04/21/92	12:10	19.9	7.4	2.9	1140	26	250		18.0	0.963	2400	240
920567	PALMTRPP	07/21/92	12:35	24.0	7.1	4.6	990	16	120		13.0	0.584	1500	140
920668	PALMTRPP	08/18/92	12:10	25.3	6.7	3.8	1100	9	120		18.0	0.718	1500	140
930047	PALMTRPP	01/12/93	12:00	8.9	6.7	5.8	1220	14	140		22.7	0.900	1500	140
930558	PALMTRPP	04/22/93	7:10	19.2	7.1	5.2	1380	25	100		23.0	0.963	2200	210
930850	PALMTRPP	06/17/93	10:08	24.8	7.2	2.9	1220	14	200		16.5	0.734	2100	200
931039	PALMTRPP	07/07/93	15:50	29.2	6.8	4.5	415	9	175		13.3	0.669	1800	180
931386	PALMTRPP	08/31/93	10:25	205.0	6.5	1.8	708	16	300		23.6	1.210	2500	250
931678	PALMTRPP	10/18/93	6:45	16.2	7.2	5.0	763	27	200		19.4	0.879	1900	180
920811	PESCADER001	10/06/92	8:55	18.0	7.0	5.6	1530	19	50		7.7	0.165	760	62
930833	PESCADER001	06/16/93	7:30	21.7	6.6	7.0	1640	40	60		5.0	0.121	710	56
931022	PESCADER001	07/07/93	7:40	22.3	7.1	5.2	1420	72	60		6.5	0.180	850	71
931369	PESCADER001	08/31/93	9:55	21.0	7.5	6.5	904	32	80		7.6	0.204	900	82
931693	PESCADER001	10/19/93	7:20	14.7	7.3	8.1	748	39	40		3.6	0.093	430	37
920052	PESCADER002	01/22/92	10:00	11.7	7.6	8.9	2580	33	80		6.8		480	32
920471	PESCADER002	06/17/92	8:43	21.4	8.0	8.2	1680	29	100		10.0	0.228	1300	110
920552	PESCADER002	07/21/92	8:10	20.7	7.6	8.5	1830	25	100		11.0	0.274	1200	94
920653	PESCADER002	08/18/92	7:40	21.0	7.4	6.8	1940	34	50		7.0	0.174	370	27
920812	PESCADER002	10/06/92	8:45	17.9	7.2	7.3	1380	19	75		14.0	0.259	1000	89
930031	PESCADER002	01/12/93	10:20	6.8	7.4	10.8	2510				5.5	0.181	580	42
930542	PESCADER002	04/20/93	8:20	17.6	8.0		2850	23	60		5.4	0.124	650	45
930834	PESCADER002	06/16/93	8:10	20.3	7.4	7.2	2360	30	50		4.8	0.114	680	50
931023	PESCADER002	07/07/93	7:25	22.0	7.0	4.1	1550	31	70		9.5	0.240	1200	100
931370	PESCADER002	08/31/93	10:25	22.5	7.6	6.8	1480	38	100		6.7	0.171	820	67
931694	PESCADER002	10/19/93	7:40	14.4	7.1	8.1	727	35	50		3.6	0.093	420	37
920472	PESCADER003	06/17/92	8:27	21.1	7.6	6.7	1970	19	120		18.0	0.343	1600	130
920553	PESCADER003	07/21/92	7:55	19.8	7.6	7.1	1960	40	80		13.0	0.287	1200	92
920708	PESCADER003	08/18/92	7:25	21.0	7.5	6.4	2070	32	50		7.7	0.187	720	51
920813	PESCADER003	10/06/92	8:30	17.5	7.5	5.6	2430	23	75		7.0	0.167	880	66
930032	PESCADER003	01/12/93	10:00	7.3	6.8	7.7	2650	35	50		4.2	0.130	460	33
930543	PESCADER003	04/20/93	8:05	16.5	7.4		3420	18	40		4.9	0.127	650	43
930835	PESCADER003	06/16/93	8:40	20.2	7.3	7.1	1740	38	60		7.4	0.171	920	74
931024	PESCADER003	07/07/93	7:10	21.5	7.0	4.6	1560	31	70		9.6	0.244	1200	100
931371	PESCADER003	08/31/93	10:55	22.7	7.7	8.3	1610	23	80		6.0	0.153	780	62
931695	PESCADER003	10/19/93	8:00	13.0	7.2	7.6	2660	20	45		5.0	0.123	700	49
920283	PESCADER004	04/21/92	8:30	16.0	7.6	7.5	3210	7	40		6.5	0.098	640	47
920038	RINDGEPP02	01/21/92	8:00	9.2	6.3	3.9	1010	4	140		39.0	1.520	2400	230
920267	RINDGEPP02	04/20/92	9:36	18.7	7.0	7.5	634	7	80		10.0	0.390	970	89
920457	RINDGEPP02	06/16/92	7:58	17.6	6.7	5.1	840	9	160		25.0	1.171	3000	290
920538	RINDGEPP02	07/20/92	9:00	21.3	6.9	4.7	693	6	160		18.0	0.850	2300	220
920640	RINDGEPP02	08/17/92	8:30	23.4	6.9	4.0	824	9	120		20.0	0.914	2000	190

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
920798	RINDGEPP02	10/05/92	9:10	18.3	8.1	6.5	663	5	80		13.0	0.547	1600	150
930018	RINDGEPP02	01/11/93	10:00	7.8	7.4	4.9	800	2	120		23.2	1.080	1700	160
930508	RINDGEPP02	04/19/93	8:58	15.9	7.5	7.8	1130				19.0	0.610	1700	150
930823	RINDGEPP02	06/15/93	7:58	20.1	7.4	7.0	512	4	100		14.4	0.880	1500	150
931357	RINDGEPP02	08/30/93	8:30	21.3	6.8	3.9	291	2	80		18.8	1.010	2100	210
931681	RINDGEPP02	10/18/93	7:00	16.5	7.2	4.0	633	3	100		11.8	0.476	1200	110
920097	ROCKSL	01/23/92	9:20	6.6			792	5	35		4.7	0.165	800	49
920195	ROCKSL	03/11/92	8:55	14.9	7.6	8.9	318	10	50		6.7	0.272	620	61
920247	ROCKSL	04/08/92	8:40	17.6	7.8	9.0	334	6	35		4.4	0.162	540	51
920326	ROCKSL	04/22/92	8:05	17.5	7.7	10.7	330	6	35		4.1	0.137	540	51
920346	ROCKSL	05/05/92	7:50	21.6	8.8	10.0	337	6	30		3.7	0.122	620	58
920425	ROCKSL	06/11/92	7:35	20.5	7.7	7.6	947	11	35		3.2	0.101	730	55
920518	ROCKSL	07/09/92	7:45	23.5	7.8	7.5	812	7	20		3.0	0.084	480	36
920599	ROCKSL	07/22/92	7:35	23.9	7.5	7.5	899	6	30		2.8	0.098	420	29
920620	ROCKSL	08/06/92	7:40	22.6	7.4	7.3	878	6	20		3.1	0.102	470	33
920699	ROCKSL	08/19/92	7:35	24.9	7.4	7.4	901	6	25		3.1	0.102	430	32
920721	ROCKSL	09/03/92	7:25	21.2	7.5	7.7	933	6	20		3.0	0.092	380	27
920859	ROCKSL	10/07/92	7:50	20.2	7.7	8.2	849	4	20		2.6	0.075	370	28
920883	ROCKSL	10/20/92	8:21	19.4	7.9	7.9	811	5	25		2.7	0.085	320	25
930135	ROCKSL	01/27/93	8:25	10.3	7.4	9.5	294	23	100		9.2	0.401	1500	150
930240	ROCKSL	02/18/93	8:40	10.7	7.8		290	16	60		7.1	0.288	730	72
930388	ROCKSL	03/23/93	9:00	16.6	7.7	8.2	301	7	40		4.0	0.191	440	43
930591	ROCKSL	04/21/93	7:45	16.5	7.8	9.3	211	5	25		3.0	0.119	320	32
931072	ROCKSL	07/08/93	7:07	22.8	7.7	8.4	156	11	50		2.4	0.085	290	28
931419	ROCKSL	09/01/93	6:45	21.7	7.5	7.6	216	6	35		2.3	0.082	260	36
931741	ROCKSL	10/20/93	8:04	17.7	7.4	8.3	425	4	20		2.2	0.800	290	25
920005	SACRRIOVISTA	01/07/92	11:57	9.7	7.3	10.8	220	9	30		3.4	0.084	320	32
920082	SACRRIOVISTA	01/23/92	9:15	7.7	7.9	7.8	532	12	25		3.2	0.104	440	38
920142	SACRRIOVISTA	02/04/92	11:13	10.3	8.1	10.8	278	7	20		2.4	0.055	200	19
920163	SACRRIOVISTA	02/24/92	10:00	16.3	7.4	12.3	204	60	80		6.2	0.211	570	57
920187	SACRRIOVISTA	03/10/92	8:25	14.1	7.4	8.9	262	18	40		4.0	0.129	380	37
920208	SACRRIOVISTA	03/24/92	8:14	14.3	7.7	8.7	242	22	50		3.4	0.104	830	82
920237	SACRRIOVISTA	04/07/92	12:00	19.2	7.5	9.7	265	12	25		2.7	0.065	250	24
920311	SACRRIOVISTA	04/22/92	13:35	18.0	7.7	8.7	229	10	25		2.5	0.069	410	40
920359	SACRRIOVISTA	05/07/92	6:57	19.8	8.0	7.7	466	16	30		2.8	0.087	520	44
920390	SACRRIOVISTA	05/19/92	7:13	19.4	7.9	7.8	563	22	35		2.7	0.075	480	39
920438	SACRRIOVISTA	06/09/92	6:39	21.0	7.5		159	13	20		2.0	0.049	260	25
920492	SACRRIOVISTA	06/23/92	8:50	21.8	7.6	7.8	710	<1	5		6.9		220	20
920510	SACRRIOVISTA	07/07/92	8:30	22.0	7.6	7.9	231	13	25		1.9	0.048	250	23
920584	SACRRIOVISTA	07/22/92	13:20	23.0	7.7	8.8	331	13	30		1.9	0.060	200	17
920612	SACRRIOVISTA	08/04/92	11:00	22.1	7.7	7.9	399	16	35		2.0	0.052	280	22
920686	SACRRIOVISTA	08/19/92	12:00	24.5	7.6	8.0	215	10	30		1.8	0.051	200	19
920713	SACRRIOVISTA	09/01/92	11:19	22.2	7.7	8.0	277	14	25		2.0	0.053	170	15
920774	SACRRIOVISTA	09/22/92	6:42	19.8	7.6	7.9	228	10	20		1.9	0.052	160	16
920846	SACRRIOVISTA	10/07/92	12:40	22.2	7.4	6.7	209	10	25		1.6	0.048	170	16

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TFPC DATA REPORT

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920875	SACRRIOVISTA	10/19/92	7:30	18.4	7.5	8.2	302	10	20		1.9	0.049	140	13
920983	SACRRIOVISTA	11/17/92	8:00	13.8	7.8	9.2	453	12	20		2.6	0.086	230	20
921013	SACRRIOVISTA	12/08/92	9:10	10.5	7.9	10.3	631	7	15		2.7	0.089	280	21
930065	SACRRIOVISTA	01/13/93	8:45	8.3	7.3	10.8	201	84	100		5.2	0.213	450	45
930127	SACRRIOVISTA	01/26/93	8:10	9.7	7.6		151	116	200		4.2	0.231	580	58
930202	SACRRIOVISTA	02/10/93	8:04	10.9	7.3	9.9	299	25	40		4.1	0.115	430	43
930232	SACRRIOVISTA	02/16/93	7:45	10.9	6.9	7.5	200	56	100		4.6	0.146	510	50
930333	SACRRIOVISTA	03/11/93	8:15	15.6	7.7	12.1	301	18	35		3.4	0.090	370	37
930401	SACRRIOVISTA	03/25/93	9:00	12.7	7.6	10.5	148	25	35		2.0		160	16
930437	SACRRIOVISTA	04/06/93	7:00	11.5	7.8	10.0	141	18	25		2.2	0.063	150	15
930576	SACRRIOVISTA	04/21/93	8:40	15.5	7.6	9.4	182	14	20		1.4	0.046	170	17
930679	SACRRIOVISTA	05/12/93	6:54	16.5	7.9	8.8	138	9	20		1.8	0.043	190	19
930791	SACRRIOVISTA	06/08/93	7:02	16.4	7.7	7.8	120	16	25		1.9	0.063	160	16
931057	SACRRIOVISTA	07/08/93	13:45	23.7	7.7	8.2	121	12	30		1.7	0.056	200	20
931161	SACRRIOVISTA	07/22/93	7:25	21.4	6.7	7.8	120	12	20		1.8	0.061	200	20
931305	SACRRIOVISTA	08/12/93	7:10	20.1	7.6	8.1	121	10	25		1.8	0.060	190	19
931404	SACRRIOVISTA	09/01/93	14:00	22.6	7.6	8.4	146	5	20		1.9	0.055	180	18
931557	SACRRIOVISTA	09/23/93	6:50	19.6	7.5	8.6	192	8	30		2.2	0.072	190	19
931632	SACRRIOVISTA	10/05/93	6:55	18.0	7.3	7.1	152	8	25		1.7	0.053	200	20
931726	SACRRIOVISTA	10/20/93	8:15	16.6	7.2	8.5	134	7	20		1.9	0.061	190	19
931917	SACRRIOVISTA	11/17/93	7:58	12.2	7.3	8.6	196	17	15		1.9	0.058	240	24
931996	SACRRIOVISTA	12/16/93	9:00	10.9	7.2	10.8	160	8	25		2.4	0.078	300	30
920093	SANDMOUND	01/23/92	8:35	6.2	7.5		747	5	35		4.7	0.198	610	51
920193	SANDMOUND	03/11/92	8:40	14.6	7.7	9.2	304	9	50		6.2	0.242	590	57
920245	SANDMOUND	04/08/92	8:15	17.0	7.9	9.0	328	6	35		4.2	0.135	490	46
920319	SANDMOUND	04/22/92	7:30	16.5	7.3	11.1	315	6	30		3.6	0.119	630	61
920322	SANDMOUND	04/22/92	7:30	16.5	7.3	11.1	316	6	30		3.6	0.121	510	49
920344	SANDMOUND	05/05/92	7:25	20.5	8.5	9.5	348	7	25		3.4	0.109	560	52
920423	SANDMOUND	06/11/92	7:15	20.5	7.8	7.9	924	16	50		3.0	0.093	780	59
920516	SANDMOUND	07/09/92	7:25	23.4	7.8	7.7	764	7	15		2.8	0.077	460	35
920595	SANDMOUND	07/22/92	7:10	23.6	7.5	7.8	874	7	30		2.8	0.092	430	29
920618	SANDMOUND	08/06/92	7:15	22.4	7.5	7.5	819	6	15		3.0	0.098	460	33
920697	SANDMOUND	08/19/92	7:10	23.4	7.5	7.7	935	6	20		2.8	0.091	410	30
920719	SANDMOUND	09/03/92	7:10	20.6	7.9	7.7	827	7	20		2.8	0.092	360	27
920857	SANDMOUND	10/07/92	7:30	19.1	7.7	8.2	751	4	25		2.3	0.076	320	25
920881	SANDMOUND	10/20/92	8:03	19.3	8.0	8.0	744	3	25		2.7	0.083	290	22
930133	SANDMOUND	01/27/93	9:05	9.8	7.5	9.8	289	22	200		9.0	0.375	1200	120
930386	SANDMOUND	03/23/93	10:35	16.7	7.8	8.5	290	8	40		5.1	0.173	450	44
930589	SANDMOUND	04/21/93	7:25	15.9	7.7	9.5	208	6	25		3.0	0.114	300	29
931070	SANDMOUND	07/08/93	7:31	21.8	7.8	8.7	147	11	70		2.3	0.082	280	27
931417	SANDMOUND	09/01/93	7:20	21.9	7.6	7.8	224	6	25		2.1	0.083	260	24
931739	SANDMOUND	10/20/93	7:42	17.7	7.3	8.4	423	4	20		2.1	0.075	280	24
920098	SANTAFEBACON	01/23/92	9:55	6.5			468	6	35		5.7	0.203	670	63
920196	SANTAFEBACON	03/11/92	9:20	14.8	7.5	8.0	298	10	60		7.8	0.300	720	71
920248	SANTAFEBACON	04/08/92	9:05	17.8	7.7	8.8	288	5	40		4.9	0.162	550	53

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920327	SANTAFEBACON	04/22/92	8:30	18.4	7.6	10.1	325	5	40		4.9	0.168	830	82
920347	SANTAFEBACON	05/05/92	8:15	21.7	8.1	8.9	394	6	30		5.2	0.152	820	77
920426	SANTAFEBACON	06/11/92	7:55	21.8	7.7	7.3	855	11	35		3.5	0.111	760	58
920519	SANTAFEBACON	07/09/92	8:05	23.9	7.5	7.3	737	7	25		3.4	0.100	490	39
920600	SANTAFEBACON	07/22/92	7:50	23.7	7.5	7.5	768	7	35		3.4	0.121	520	39
920621	SANTAFEBACON	08/06/92	8:10	24.0	7.7	7.2	790	7	25		3.5	0.118	510	37
920700	SANTAFEBACON	08/19/92	7:55	25.5	7.3	6.9	775	7	30		3.4	0.112	460	35
920722	SANTAFEBACON	09/03/92	7:55	21.9	7.5	7.4	833	8	25		3.2	0.106	410	30
920860	SANTAFEBACON	10/07/92	8:15	20.3	7.7	8.0	793	6	25		2.7	0.089	380	29
920884	SANTAFEBACON	10/20/92	8:44	19.9	7.9	7.8	743	4	25		3.1	0.097	330	26
930592	SANTAFEBACON	04/21/93	8:10	16.5	7.8	8.7	360	6	30		3.9	0.154	500	47
931742	SANTAFEBACON	10/20/93	8:30	17.9	7.4	7.6	300	6	25		2.4	0.080	280	26
920091	SJRJERSEY	01/23/92	8:00	6.0	7.7	11.0	2140	8	25		3.6	0.112	740	47
920191	SJRJERSEY	03/11/92	8:00	14.7	7.6	8.2	404	12	40		5.6	0.201	580	55
920243	SJRJERSEY	04/08/92	7:50	16.9	7.5	8.7	640	13	40		4.3	0.142	640	51
920320	SJRJERSEY	04/22/92	7:00	17.3	8.0	11.0	448	10	35		3.5	0.113	510	46
920342	SJRJERSEY	05/05/92	6:50	20.5	7.8	8.7	1840	15	35		3.5	0.101	840	55
920421	SJRJERSEY	06/11/92	6:45	20.1	7.9	8.1	1390	16	40		2.8	0.077	680	46
920514	SJRJERSEY	07/09/92	6:50	22.3	7.6	7.9	1130	12	20			0.081	440	31
920593	SJRJERSEY	07/22/92	6:40	21.3	7.4	8.5	1210	10	25		2.4	0.075	440	28
920616	SJRJERSEY	08/06/92	6:40	21.4	7.6	7.9	1010	11	15		2.7	0.080	410	27
920695	SJRJERSEY	08/19/92	6:45	23.0	7.3	6.3	1520	8	25		2.5	0.080	430	28
920717	SJRJERSEY	09/03/92	6:40	20.3	7.6	8.6	1180	8	20		2.4	0.074	340	24
920855	SJRJERSEY	10/07/92	6:50	20.2	7.6	8.2	1370	8	20		2.1	0.067	350	24
920879	SJRJERSEY	10/20/92	7:35	18.4	8.5	8.3	990	4	20		2.4	0.074	270	20
930131	SJRJERSEY	01/27/93	7:41	9.6	7.2	10.2	218	76	160		6.1	0.312	880	88
930236	SJRJERSEY	02/18/93	7:50	10.6	7.0		269	24	60		5.2	0.224	670	66
930384	SJRJERSEY	03/23/93	7:50	15.4	7.7	8.5	246	17	40		4.2	0.125	320	32
930587	SJRJERSEY	04/21/93	6:50	16.9	7.1	9.4	185	10	25		2.2	0.092	270	27
931068	SJRJERSEY	07/08/93	6:30	21.0	7.3	8.4	325	16	40		2.1	0.075	310	27
931415	SJRJERSEY	09/01/93	6:10	20.4	8.8	7.6	727	10	30		2.1	0.079	320	24
931737	SJRJERSEY	10/20/93	6:50	17.9	7.1	8.3	701	10	30		1.9	0.063	280	21
920069	SJRMOSSDALE	01/23/92	7:40	7.5	7.8	11.0	1080	6	20		3.2	0.069	350	29
920298	SJRMOSSDALE	04/22/92	6:20	17.1	8.0	9.6	834	14	40		3.5	0.082	560	47
920570	SJRMOSSDALE	07/22/92	7:20	22.1	8.4		979	25	80		4.3	0.112	460	35
920831	SJRMOSSDALE	10/07/92	7:15	19.2	7.0	8.3	944	11	35		3.1	0.075	360	29
930050	SJRMOSSDALE	01/13/93	7:35	10.0	8.8	9.9	357	76	120		10.0	0.431	740	72
930561	SJRMOSSDALE	04/21/93	6:37	16.4	7.6	8.1	601	14	40		4.2	0.122	390	35
931042	SJRMOSSDALE	07/08/93	6:25	22.0	7.4	7.1	842	23	60		4.3	0.102	480	40
931389	SJRMOSSDALE	09/01/93	7:50	20.6	7.0	7.2	349	11	40		3.0	0.094	370	34
931711	SJRMOSSDALE	10/20/93	7:00	15.8	7.3	9.7	245	13	50		2.7	0.084	290	28
920046	STATENPP01	01/21/92	14:56	8.5	6.3	1.4	668	11	140		39.0	1.734	2500	240
920275	STATENPP01	04/20/92	12:00	19.3	7.3	0.0	480	13	250		34.0	1.603	3200	310
920465	STATENPP01	06/16/92	10:00	20.6	7.0	5.7	436	18	100		11.0	0.511	1800	170
920546	STATENPP01	07/20/92	11:25	23.7	6.8	6.0	264	11	120		13.0	0.611	1400	140

Note: < values signify reporting limits. Concentration of analyte below reporting limit.

TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
920647	STATENPP01	08/17/92	10:35	24.7	6.9	5.4	246	4	200		25.0	1.407	2800	290
920806	STATENPP01	10/05/92	11:35	19.1	7.0	2.2	550	38	350		18.0	0.834	2200	220
930025	STATENPP01	01/11/93	12:17	9.3	7.0	5.1	736	7	200		37.9	1.720	2700	270
930515	STATENPP01	04/19/93	11:16	17.1	7.6	12.2	505	8	180		33.0	1.340	2700	270
930830	STATENPP01	06/15/93	9:55	24.1	7.5	5.1	683	11	120		24.4	1.180	3200	310
931017	STATENPP01	07/06/93	9:51	24.4	7.4	7.2	231	4	125		11.4	0.546	1500	150
931364	STATENPP01	08/30/93	11:45	19.2	6.8	2.2	388	13	160		30.0	1.620	3000	300
931688	STATENPP01	10/18/93	11:40	16.1	7.1	8.0	496	17	250		21.8	1.310	2100	210
920047	STATENPP02	01/21/92	15:23	7.2	6.1	7.5	664	12	200		48.0	1.840	2700	260
920276	STATENPP02	04/20/92	12:23	22.6	7.7	0.0	1280	20	175		19.0	0.748	2600	240
920466	STATENPP02	06/16/92	10:19	20.6	7.1	5.7	445	14	100		12.0	0.552	1800	180
920547	STATENPP02	07/20/92	11:45	23.7	6.8	6.0	267	14	140		14.0	0.694	1800	160
920648	STATENPP02	08/17/92	10:55	24.7	6.8	5.2	250	9	140		15.0	0.781	1700	170
920807	STATENPP02	10/05/92	11:47	22.4	7.1	6.5	916	24	100		13.0	0.486	1500	140
930026	STATENPP02	01/11/93	12:45	9.9	6.8	6.3	577	8	200		46.2	1.900	3000	300
930516	STATENPP02	04/19/93	11:34	18.3	7.2	7.6	1680	25	250		44.0	1.680	3800	350
930831	STATENPP02	06/15/93	10:10	21.2	7.5	6.9	197	25	120		7.1	0.319	880	85
931018	STATENPP02	07/06/93	10:09	22.9	7.3	5.9	209	12	100		9.0	0.426	1200	120
931365	STATENPP02	08/30/93	12:00	23.8	6.9	2.1	663	15	200		27.2	1.690	3300	320
931689	STATENPP02	10/18/93	12:00	17.0	7.1	4.2	1060	7	250		35.1	1.500	3500	340
920096	STATION04B	01/23/92	9:10	6.6					35		4.6	0.169	620	50
920194	STATION04B	03/11/92	8:50	14.7	7.7	9.2	302	11	40		6.6	0.252	600	58
920246	STATION04B	04/08/92	8:25	17.1	7.4	9.1	327	5	35		4.3	0.144	500	48
920325	STATION04B	04/22/92	7:55	17.5	7.6	11.0	325	6	30		4.2	0.138	590	57
920345	STATION04B	05/05/92	7:40	21.5	8.8	10.2	331	6	35		3.8	0.123	610	58
920424	STATION04B	06/11/92	7:30	20.9	7.8	7.5	934	12	35		3.1	0.097	760	57
920517	STATION04B	07/09/92	7:35	23.4	7.7	8.2	795	6	15		3.0	0.081	480	37
920598	STATION04B	07/22/92	7:25	23.6	7.5	7.6	909	6	30		2.7	0.097	470	32
920619	STATION04B	08/06/92	7:25	22.3	7.3	7.5	840	7	20		3.1	0.103	500	35
920698	STATION04B	08/19/92	7:25	23.4	7.4	7.5	915	5	15		3.0	0.097	450	32
920720	STATION04B	09/03/92	7:15	21.1	7.5	7.7	930	5	15		3.1	0.104	430	32
920858	STATION04B	10/07/92	7:45	20.2	7.7	8.2	835	4	20		2.5	0.079	370	28
920882	STATION04B	10/20/92	8:13	19.6	7.8	7.8	766	3	25		2.8	0.089	300	23
930134	STATION04B	01/27/93	8:46	9.7	7.4	9.6	302	23	120		9.4	0.384	1300	130
930387	STATION04B	03/23/93	10:15	16.6	7.7	8.5	288	8	40		5.0	0.171	440	43
930590	STATION04B	04/21/93	7:35	16.2	7.8	9.5	212	6	25		2.9	0.116	370	37
931071	STATION04B	07/08/93	7:16	22.8	7.8	8.4	148	11	50		2.3	0.085	290	28
931418	STATION04B	09/01/93	7:00	21.9	7.4	7.6	212	6	30		2.3	0.080	250	23
931740	STATION04B	10/20/93	7:56	17.8	7.4	8.4	436	5	25		2.2	0.079	280	24
920100	STATION09	01/23/92	10:10	6.5			680	5	40		5.4	0.202	530	47
920198	STATION09	03/11/92	9:45	15.1	7.4	8.5	319	12	60		7.1	0.280	700	68
920250	STATION09	04/08/92	9:30	18.5	7.7	8.9	315	6	40		4.7	0.160	570	54
920329	STATION09	04/22/92	8:55	18.6	7.6	10.7	364	6	40		4.7	0.167	830	81
920349	STATION09	05/05/92	8:35	22.0	8.5	9.8	352	7	30		4.2	0.141	770	73
920428	STATION09	06/11/92	8:40	21.8	7.5	7.4	780	10	40		3.9	0.120	750	60

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
920521	STATION09	07/09/92	8:30	24.0	7.8	7.2	713	6	25		3.6	0.112	550	45
920602	STATION09	07/22/92	8:15	23.5	7.5	7.8	764	8	40		3.8	0.140	580	43
920623	STATION09	08/06/92	8:30	23.8	7.6	7.3	773	8	25		3.8	0.137	530	40
920702	STATION09	08/19/92	8:15	25.9	7.3	6.8	780	6	35		3.6	0.126	490	37
920724	STATION09	09/03/92	8:10	21.9	7.4	7.4	810	8	25		3.1	0.109	440	33
920862	STATION09	10/07/92	8:35	20.6	7.6	7.9	771	6	25		2.9	0.094	390	30
920886	STATION09	10/20/92	9:29	19.9	7.7	7.9	708	4	25		3.4	0.104	360	29
930138	STATION09	01/27/93	10:25	10.6	7.3	9.3	365	23	100		11.0	0.420	1400	140
930243	STATION09	02/18/93	10:05	11.3	7.7		354	18	60		7.6	0.298	870	85
930391	STATION09	03/23/93	12:10	17.3	7.6	8.7	357	10	50		5.7	0.200	500	49
930594	STATION09	04/21/93	8:50	17.0	7.1	9.0	318	6	30		4.0	0.139		
931075	STATION09	07/08/93	8:42	24.1	7.5	7.9	189	11	50		2.7	0.104	340	33
931422	STATION09	09/01/93	8:35	23.1	7.4	7.2	187	6	35		2.5	0.098	300	29
931744	STATION09	10/20/93	8:52	18.1	7.3	8.0	389	8	25		2.4	0.084	300	26
920077	TURNERCUT	01/23/92	13:05	7.6	7.2	10.4	441	6	40		6.4	0.237	720	69
920306	TURNERCUT	04/22/92	11:20	18.6	7.4	7.1	597	5	50		6.8	0.221	1200	110
920578	TURNERCUT	07/22/92	12:00	25.8	7.3	6.9	475	6	40		4.8	0.166	540	47
920679	TURNERCUT	08/19/92	11:20	27.5	7.0	7.2	429	4	30		4.2	0.139	380	34
920839	TURNERCUT	10/07/92	11:35	22.4	7.5	7.0	684	4	30		5.2	0.156	570	50
930058	TURNERCUT	01/13/93	12:05	9.6	7.1	9.6	562	22	60		8.6	0.333	680	64
930569	TURNERCUT	04/21/93	12:12	18.8	7.5	6.6	791	6	40		6.0	0.180	650	59
931050	TURNERCUT	07/08/93	11:00	25.0	7.4	7.6	240	7	40		3.2	0.128	440	42
931397	TURNERCUT	09/01/93	13:35	25.6	7.0	7.7	248	5	35		3.3	0.123	390	38
931719	TURNERCUT	10/20/93	13:15	19.3	7.3	7.7	344	7	40		3.3	0.104	360	34
920059	UPJONESPP02	01/22/92	8:50	8.0	6.5	8.8	1070	23	120		9.4	0.361	1000	94
920288	UPJONESPP02	04/21/92	8:45	17.2	7.5	4.3	790	56	150		9.8	0.421	1200	110
920479	UPJONESPP02	06/18/92	7:08	19.4	6.9	4.4	760	15	80		7.6	0.299	990	88
920560	UPJONESPP02	07/21/92	7:30	21.4	6.3	3.4	716	11	100		9.8	0.443	1000	92
920661	UPJONESPP02	08/18/92	11:15	22.9	6.6	3.6	645	9	80		7.7	0.310	760	69
920821	UPJONESPP02	10/06/92	7:10	17.1	6.7	3.0	713	14	125		8.0	0.326	880	81
930040	UPJONESPP02	01/12/93	9:25	9.3	6.8	6.9	1270	22	100		16.4	0.575	1000	96
930551	UPJONESPP02	04/22/93	9:17	17.2	7.2	5.7	915	34	120		11.0	0.367	940	88
930843	UPJONESPP02	06/17/93	7:41	20.6	7.0	4.4	466	28	80		5.8	0.221	750	71
931032	UPJONESPP02	07/07/93	9:45	24.6	6.8	3.9	500	22	125		8.0	0.333	1000	100
931379	UPJONESPP02	08/31/93	7:28	18.5	6.9	3.6	485	16	100		8.4	0.390	940	91
931703	UPJONESPP02	10/19/93	8:01	14.5	6.3	4.3	769	25	140		8.3	0.372	1100	100
920043	VENICE	01/21/92	11:03	9.2	6.0	9.3	1220	6	400		97.0	3.400	2000	200
920272	VENICE	04/20/92	7:20	20.3	7.1	5.9	632	9	350		34.0	1.718	4300	430
920462	VENICE	06/16/92	6:25	17.6	6.6	4.7	500	5	250		54.0	2.765	9200	920
920543	VENICE	07/20/92	6:40	20.3	7.0	4.6	706	6	400		76.0	3.860	8900	900
920644	VENICE	08/17/92	6:40	22.0	6.6	4.4	569	7	200		38.0	1.875	3600	360
920803	VENICE	10/05/92	6:56	17.8	6.3	3.8	441	6	250		27.0	1.497	3300	320
930022	VENICE	01/11/93	7:46	6.8	7.3	4.6	702	3	200		44.8	1.940	2800	280
930512	VENICE	04/19/93	7:24	13.2	6.9	6.3	650	11	300		39.0	1.960	3300	320
931014	VENICE	07/06/93	6:41	22.0	6.5	4.8	281	4	300		29.7	1.630	3700	370

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
931361	VENICE	08/30/93	6:30	18.1	7.0	4.3	272	17	180		17.2	1.010	2000	200
931685	VENICE	10/18/93	9:05	16.6	6.6	2.9	432	4	350		37.2	1.760	3400	340
920050	VERNALIS	01/22/92	9:10	10.2	7.5	11.0	1120	8	25		3.8	0.089	420	35
920168	VERNALIS	02/25/92	8:10	14.1	7.5	9.8	913	22	60		7.8	0.261	610	56
920213	VERNALIS	03/26/92	8:15	17.1	7.9	9.2	939	19	406		4.6	0.131	610	52
920240	VERNALIS	04/07/92	7:40	15.8	7.8	8.9	997	11	35		4.2	0.107	550	46
920279	VERNALIS	04/21/92	6:35	17.3	7.9	9.1	781	11	25			0.088	970	88
920395	VERNALIS	05/21/92	6:42	19.6	7.7	8.8	785	14	35		3.1	0.078	570	44
920497	VERNALIS	06/25/92	11:45	26.4	8.2	13.2	996	24	60		3.8	0.110	800	65
920550	VERNALIS	07/21/92	6:55	21.6	8.5	9.0	986	22	50		3.8	0.105	540	41
920651	VERNALIS	08/18/92	6:25	23.2	7.9	7.5	824	22	60		3.6	0.090	410	32
920779	VERNALIS	09/24/92	9:49	21.8	8.2	9.8	889	9	35		3.3	0.090	380	30
920810	VERNALIS	10/06/92	8:02	18.9	7.4	7.8	1000	10	30		2.8	0.074	360	28
920988	VERNALIS	11/19/92	11:15	12.6	7.9	9.1	814	7	15		2.4	0.057	260	21
921018	VERNALIS	12/10/92	9:20	13.0	7.4	10.3	710	10	15		2.9		280	24
930029	VERNALIS	01/12/93	9:15	8.5	7.7	9.4	248	56	120		11.4	0.449	760	75
930189	VERNALIS	02/09/93	9:30	13.9	7.0	8.3	935	80	120		8.6	0.220	860	80
930320	VERNALIS	03/09/93	9:00	16.7	7.8	8.4	1180	16	40		6.3	0.174	730	65
930466	VERNALIS	04/08/93	8:10	18.1	7.8	8.7	999	19	40		5.9	0.167	540	48
930541	VERNALIS	04/20/93	7:30	15.6	7.3		571	15	35		3.9	0.119	410	38
930686	VERNALIS	05/13/93	8:04	15.8	7.6	9.4	439	17	35		3.5	0.103	360	33
930798	VERNALIS	06/10/93	8:00	22.0	7.6	8.0	572	17	30		3.5	0.106	360	33
931021	VERNALIS	07/07/93	6:15	23.7	6.9	7.4	802	28	50		3.4	0.104	500	43
931148	VERNALIS	07/20/93	7:50	22.7	7.6		693	31	60		3.4	0.097	510	41
931292	VERNALIS	08/10/93	11:20	24.0	7.6	7.7	574	39	50		3.4	0.096	350	31
931368	VERNALIS	08/31/93	7:05	19.9	7.6	7.7	342	15	40		3.5	0.092	380	36
931544	VERNALIS	09/21/93	8:00	19.0	7.8	6.0	463	13	25		2.9	0.110	330	30
931692	VERNALIS	10/19/93	10:05	17.1	7.0	9.1	298	10	35		4.0	0.085	320	31
931851	VERNALIS	11/10/93	12:00	15.0	7.9	8.8	761	11	25		3.1	0.093	430	37
920027	WEBB01	01/21/92	10:30	11.4	7.5	6.0	1720	26	200		46.0	2.194	1700	170
920257	WEBB01	04/20/92	8:35	20.1	6.6	2.2	1270	27	600		51.0	2.410	3400	330
920528	WEBB01	07/20/92	10:00	21.3	7.1	4.5	1180	22	100		17.0	0.521	1800	170
920789	WEBB01	10/05/92	8:58	19.3	6.5	2.4	1380	21	200		42.0	1.747	3800	370
930008	WEBB01	01/11/93	10:42	9.8	6.5	4.5	1680	13	250		42.4	1.980	2500	240
930498	WEBB01	04/19/93	12:27	19.1	6.2	8.3	1240	72	500		18.0	2.220	3600	350
920258	WEBB02	04/20/92	8:50	19.8	6.7	2.9	865	29	350		34.0	1.525	3100	300
920529	WEBB02	07/20/92	10:30	20.3	6.8	4.7	1440	12	160		37.0	1.512	3300	320
920790	WEBB02	10/05/92	9:24	19.2	6.7	2.9	1530	12	400		48.0	1.923	4600	440
930009	WEBB02	01/11/93	11:20	11.8	6.5	2.5	1360	7	160		43.5	1.900	2800	270
930499	WEBB02	04/19/93	13:05	19.6	6.6	8.4	1280	48	500		49.0	2.080	3500	340
920058	WOODWARDPP	01/22/92	8:21	9.1	6.2	7.3	988	16	100		20.0	0.820	1500	150
920287	WOODWARDPP	04/21/92	8:10	16.4	6.9	7.2	530	30	175		5.0	0.209	790	73
920478	WOODWARDPP	06/18/92	6:30	18.8	6.9	5.9	599	16	60		5.9	0.230	930	83
930039	WOODWARDPP	01/12/93	8:30	10.3	6.8	7.2	1100	21	60		16.9	0.555	1000	96
930550	WOODWARDPP	04/22/93	8:45	15.9	7.3	7.4	657	33	80		7.7	0.262	690	63

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TFPC DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	TURB T.U.	COLOR C.U.	TOC mg/L	DOC mg/L	UVA mg/L	THMFP ug/L	TFPC ug/L
930842	WOODWARDPP	06/17/93	7:11	19.2	6.7	6.3	512	28	120		4.3	0.178	580	52
931031	WOODWARDPP	07/07/93	9:05	21.9	6.7	4.8	477	22	100		7.6	0.330	1000	99
931378	WOODWARDPP	08/31/93	6:54	18.1	6.7	3.7	508	19	120		13.8	0.700	1600	150
931702	WOODWARDPP	10/19/93	7:11	13.6	6.4	5.6	420	23	100		4.8	0.227	660	62
920102	WSTCANCLIFT	01/23/92	10:35	6.8			578	7	40		5.6	0.195	670	61
920200	WSTCANCLIFT	03/11/92	10:10	15.6	7.5	8.0	344	13	60		7.3	0.288	730	71
920252	WSTCANCLIFT	04/08/92	10:00	18.2	7.7	8.7	327	8	40		4.9	0.168	530	51
920331	WSTCANCLIFT	04/22/92	9:25	18.3	7.6	10.4	404	7	40		5.0	0.171	870	85
920351	WSTCANCLIFT	05/05/92	9:00	22.2	8.1	9.1	377	9	35		4.7	0.155	740	69
920430	WSTCANCLIFT	06/11/92	9:00	31.9	7.6	7.4	699	15	40		4.0	0.133	710	58
920523	WSTCANCLIFT	07/09/92	9:00	24.1	7.8	7.5	703	7	25		3.8	0.114	570	47
920604	WSTCANCLIFT	07/22/92	8:45	23.1	7.5	7.5	753	13	50		4.0	0.141	580	45
920625	WSTCANCLIFT	08/06/92	9:05	22.9	7.6	7.3	816	17	35		4.2	0.136	590	46
920704	WSTCANCLIFT	08/19/92	8:45	26.4	7.4	6.7	654	12	35		4.1	0.144	530	43
920726	WSTCANCLIFT	09/03/92	8:40	21.7	7.9	7.4	915	15	50		4.0	0.115	450	37
920864	WSTCANCLIFT	10/07/92	9:05	20.6	7.6	7.8	646	10	30		3.1	0.112	430	35
920888	WSTCANCLIFT	10/20/92	11:07	20.0	7.6	7.6	755	9	35		3.4	0.106	380	31
930140	WSTCANCLIFT	01/27/93	9:54	10.4	7.6	9.2	438	25	100		10.0	0.401	1300	130
930245	WSTCANCLIFT	02/18/93	9:35	11.2	7.6		403	16	60		8.1	0.325	890	87
930393	WSTCANCLIFT	03/23/93	11:15	17.3	7.5	7.8	433	10	50		6.3	0.211	530	52
931077	WSTCANCLIFT	07/08/93	8:15	24.6	7.5	7.6	188	12	50		3.0	0.106	350	34
931424	WSTCANCLIFT	09/01/93	8:05	23.3	7.4	7.2	179	5	30		2.7	0.099	300	29
931746	WSTCANCLIFT	10/20/93	9:15	18.1	7.3	7.8	356	6	30		2.4	0.084	300	27

Note: < values signify reporting limits. Concentration of analyte below reporting limit.

MINOR ELEMENTS DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	PH	DO mg/L	EC uS/cm	As mg/L	Ba mg/L	Fe mg/L	Cr mg/L	Cu mg/L	Mn mg/L	Hg mg/L	Zn mg/L	Li mg/L	Ni mg/L
920215	BANKS	03/26/92	9:30	16.7	7.6	9.7	340							<0.001			
920234	BANKS	04/07/92	10:20	17.6	7.8	10.5	346							<0.001			
930322	BANKS	03/09/93	9:45	15.5	8.2	10.7	464	0.002									
930398	BANKS	03/25/93	12:15	16.7	7.7	9.0	440	0.002				<0.005					
930468	BANKS	04/08/93	10:10	18.1	7.6	8.5	490	0.002				<0.005					
930562	BANKS	04/21/93	7:35	17.4	7.6	6.6	390	0.002				<0.005					
930688	BANKS	05/13/93	9:04	17.9	7.9	8.6	471	0.002				<0.005					
930800	BANKS	06/10/93	8:47	21.4	7.7	8.0	425	0.002				<0.005					
931043	BANKS	07/08/93	7:35	24.1	7.3	6.1	234	0.002				<0.005					
931150	BANKS	07/20/93	9:40	21.5	8.0		184	0.002				<0.005					
931294	BANKS	08/10/93	9:45	21.4	7.5	8.2	174	0.002				<0.005					
931390	BANKS	09/01/93	8:55	24.1	7.1	7.4	189	0.002				<0.005					
931546	BANKS	09/21/93	9:10	20.7	8.1	4.7	252	0.002				<0.005					
931712	BANKS	10/20/93	8:25	18.0	7.5	9.1	325	0.002				<0.005					
931853	BANKS	11/10/93	10:50	15.2	8.0	9.2	393	0.002				<0.005					
930332	BARKERNOBAY	03/11/93	7:30	15.1	6.6	8.8	293	0.002				0.005					
930436	BARKERNOBAY	04/06/93	6:05	14.9	7.4		488	0.002				<0.005					
930577	BARKERNOBAY	04/21/93	9:30	18.2	7.8	8.4	470	0.002				<0.005					
930790	BARKERNOBAY	06/08/93	6:29	18.7	7.0	5.7	391	0.003				<0.005					
931058	BARKERNOBAY	07/08/93	14:25	25.4	7.7	7.7	345	0.003				<0.005					
931160	BARKERNOBAY	07/22/93	6:40	21.2	5.8	6.9	278	0.003				<0.005					
931304	BARKERNOBAY	08/12/93	6:30	19.5	8.0	7.0	254	0.002				<0.005					
931405	BARKERNOBAY	09/01/93	14:45	25.6	7.8	8.2	210	0.003				<0.005					
931556	BARKERNOBAY	09/23/93	6:15	16.5	7.1	7.3	246	0.002				<0.005					
931631	BARKERNOBAY	10/05/93	6:15	15.0	7.8	6.5	256	0.003									
931727	BARKERNOBAY	10/20/93	9:25	16.8	7.3	7.9	305	0.002				<0.005					
931916	BARKERNOBAY	11/17/93	7:18	9.8	6.3	9.4	233	0.002				<0.005					
930334	CONCOSPP1	03/11/93	9:04	16.4	7.8	8.5	801	0.002				<0.005					
930438	CONCOSPP1	04/06/93	8:42	16.3	7.9		677	0.002				<0.005					
930579	CONCOSPP1	04/21/93	12:30	19.3	8.1	9.8	265	0.002				<0.005					
930680	CONCOSPP1	05/12/93	8:57	18.5	7.9	8.2	410	0.002				<0.005					
930792	CONCOSPP1	06/08/93	8:49	20.5	7.6	6.5	250	0.002				<0.005					
931060	CONCOSPP1	07/08/93	12:35	24.4	7.8	7.6	159	0.002				<0.005					
931162	CONCOSPP1	07/22/93	9:25	25.5	8.0	6.6	159	0.002				<0.005					
931306	CONCOSPP1	08/12/93	9:07	23.2	7.7	7.3	185	0.002				<0.005					
931407	CONCOSPP1	09/01/93	13:15	24.7	8.0	8.0	205	0.002				<0.005					
931558	CONCOSPP1	09/23/93	8:20	19.7	8.0	7.9	285	0.002				<0.005					
931633	CONCOSPP1	10/05/93	8:30	19.5	7.3	6.4	368	0.002									
931729	CONCOSPP1	10/20/93	12:10	18.5	8.2	9.2	458	0.002				<0.005					
931918	CONCOSPP1	11/17/93	9:53	12.3	6.3	10.5	647	0.002				<0.005					
920217	DMC	03/26/92	10:30	16.7	7.5	9.4	328							<0.001			
920235	DMC	04/07/92	9:40	17.7	7.6	10.1	335							<0.001			
930470	DMC	04/08/93	8:55	19.0	7.5	8.5	443	0.002				<0.005					
930335	GREENES	03/11/93	10:06	15.2	7.8	9.3	227	0.002				<0.005					
930403	GREENES	03/25/93	7:45	11.9	7.5	10.8	112	0.001				<0.005					

Note: Negative values signify reporting limits. Concentration of analyte below reporting limit.

MINOR ELEMENTS DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	PH	DO mg/L	EC uS/cm	As mg/L	Ba mg/L	Fe mg/L	Cr mg/L	Cu mg/L	Mn mg/L	Hg mg/L	Zn mg/L	Li mg/L	Ni mg/L
930439	GREENES	04/06/93	10:00	14.9	7.8		126	0.001				<0.005					
930573	GREENES	04/21/93	6:05	14.8	7.4	9.9	133	0.001				<0.005					
930681	GREENES	05/12/93	9:38	16.8	7.8	9.4	122	0.001				<0.005					
930793	GREENES	06/08/93	9:53	16.7	7.9	8.6	108	0.001				<0.005					
931054	GREENES	07/08/93	6:10	19.5	7.3	8.4	105	0.001				<0.005					
931163	GREENES	07/22/93	10:30	23.6	7.5	6.2	113	0.001				<0.005					
931307	GREENES	08/12/93	10:13	21.2	7.5	8.1	123	0.001				0.013					
931401	GREENES	09/01/93	6:50	19.9	7.6	9.0	148	0.002				<0.005					
931559	GREENES	09/23/93	9:25	19.8	7.9	8.2	177	0.001				<0.005					
931634	GREENES	10/05/93	9:45	18.6	7.5	6.9	139	0.002									
931723	GREENES	10/20/93	6:25	15.7	7.1	8.8	134	0.001				<0.005					
931919	GREENES	11/17/93	11:09	11.7	7.8	10.3	154	0.001				<0.005					
920214	MAZE	03/26/92	8:33	17.6	7.6	8.9	1360							<0.001			
920241	MAZE	04/07/92	7:00	16.0	7.7	8.2	1470							<0.001			
920213	VERNALIS	03/26/92	8:15	17.1	7.9	9.2	939							<0.001			
920240	VERNALIS	04/07/92	7:40	15.8	7.8	8.9	997							<0.001			
930320	VERNALIS	03/09/93	9:00	16.7	7.8	8.4	1180	0.002				<0.005					
930466	VERNALIS	04/08/93	8:10	18.1	7.8	8.7	999	0.003				<0.005					
930541	VERNALIS	04/20/93	7:30	15.6	7.3		571	0.002				<0.005					
930686	VERNALIS	05/13/93	8:04	15.8	7.6	9.4	439	0.001				<0.005					
930798	VERNALIS	06/10/93	8:00	22.0	7.6	8.0	572	0.001				<0.005					
931021	VERNALIS	07/07/93	6:15	23.7	6.9	7.4	802	0.002				<0.005					
931148	VERNALIS	07/20/93	7:50	22.7	7.6		693	0.002				<0.005					
931292	VERNALIS	08/10/93	11:20	24.0	7.6	7.7	574	0.002				<0.005					
931368	VERNALIS	08/31/93	7:05	19.9	7.6	7.7	342	0.002				<0.005					
931544	VERNALIS	09/21/93	8:00	19.0	7.8	6.0	463	0.002				<0.005					
931692	VERNALIS	10/19/93	10:05	17.1	7.0	9.1	298	0.001				<0.005					
931851	VERNALIS	11/10/93	12:00	15.0	7.9	8.8	761	0.002				<0.005					

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MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<----------				mg/L			---------->
920055	AGDCLIFTON	01/22/92	10:55	13.5	7.7	6.0	5170	917	1190	3.17	0.003		882	90	111	1.7	368	551	13.	3170
920474	AGDCLIFTON	06/17/92	6:48	18.4	7.3	7.9	1350	172	270	0.75	<0.001		271	51	35	2.8	110	143	1.1	780
920554	AGDCLIFTON	07/21/92	9:00	19.0	7.0	6.8	4450	751	995	2.57	0.002		619	86	97	2.	310	497	10.	2730
920654	AGDCLIFTON	08/18/92	8:30	19.7	6.9	5.9	6390	1200	1800	3.95	0.002		677	80	116	2.6	488	456	21.	3820
920814	AGDCLIFTON	10/06/92	9:35	18.8	6.7	5.1	4680	827	1060	2.82	0.002		576	74	95	1.8	369	428	12.	2780
930033	AGDCLIFTON	01/12/93	11:10	8.3	7.4	9.8	7930	1310	2010	5.28	0.002		1120	183	173	2.8	367	790	19.	5030
930544	AGDCLIFTON	04/20/93	9:05	16.0	7.6		7370	1280	1800	4.39	0.003		923	132	144	2.2	403	724	20.	4590
930836	AGDCLIFTON	06/16/93	9:15	21.4	7.4	7.7	1160	155	208	0.44	0.001		199	40	24	2.8	56	129	1.4	671
931025	AGDCLIFTON	07/07/93	8:15	22.1	7.0	7.7	979	130	180	0.46	0.001		186	38	22	2.	83	126	1.2	571
931372	AGDCLIFTON	08/31/93	12:15	22.3	7.1	5.7	4580	804	1040	2.61	0.003		580	87	88	1.9	350	512	12.	2790
931696	AGDCLIFTON	10/19/93	9:00	16.3	7.2	5.8	5720	993	1360	3.73	0.002		658	92	104	1.9	400	606	16.	3550
920042	AGDEMPIRE	01/21/92	10:17	8.2	6.2	5.9	1070	77	171	0.25			353	77	40	2.8	67	134	0.3	725
920271	AGDEMPIRE	04/20/92	7:57	18.1	7.0	3.6	2490	225	634	2.04			717	152	82	2.8	186	138	0.4	1420
920461	AGDEMPIRE	06/16/92	6:54	17.5	6.9	5.9	804	68	154	0.33			234	51	26	1.5	73	77	0.2	478
920542	AGDEMPIRE	07/20/92	7:15	21.3	7.0	5.4	716	62	137	0.45			196	42	22	2.	58	63	0.3	463
920643	AGDEMPIRE	08/17/92	7:15	22.9	6.5	4.0	563	50	101	0.28			159	34	18	1.7	62	47	0.3	357
920802	AGDEMPIRE	10/05/92	7:39	18.1	6.7	3.2	1750	135	382	0.69			571	123	64	2.1	116	133	0.3	1020
930021	AGDEMPIRE	01/11/93	8:40	8.2	6.3	4.2	993	71	140	0.47			356	80	38	4.7	168	152	0.3	658
930511	AGDEMPIRE	04/19/93	6:39	15.4	7.2	7.4	2450	213	602	1.97			707	153	79	1.9	162	166	0.3	1500
930826	AGDEMPIRE	06/15/93	6:55	21.9	6.9	3.6	1960	231	476	1.53			493	107	55	2.3	176	117	0.4	1190
931013	AGDEMPIRE	07/06/93	7:11	20.9	6.6	4.7	719	56	124	0.33			228	52	24	1.2	67	79	0.2	475
931360	AGDEMPIRE	08/30/93	7:05	18.9	7.0	5.2	689	58	147	0.46			197	44	21	1.4	74	46	0.2	418
931684	AGDEMPIRE	10/18/93	8:30	16.2	7.3	4.4	2440	245	690	2.72			603	129	68	2.8	181	17	0.2	1380
920160	AMERICAN	02/24/92	8:00	14.1	7.9	14.4	78	3	3	<0.01			30	7	3	0.9	29	5	<0.1	59
920205	AMERICAN	03/24/92	12:08	15.1	7.8	10.7	77	6	3	<0.01			26	7	2	0.7	28	5	<0.1	53
920489	AMERICAN	06/23/92	6:30	18.9	7.7		83	3	4	<0.01			30	7	3	0.7	31	4	<0.1	53
920771	AMERICAN	09/22/92	10:22	22.7	7.6	7.3	68	3	3	<0.01			23	6	2	0.8	25	4	<0.1	44
920980	AMERICAN	11/17/92	11:45	15.2	7.6	10.3	69	3	3	<0.01			23	6	2	0.7	26	3	<0.1	43
921010	AMERICAN	12/08/92	14:00	11.6	7.8	10.2	76	3	3	<0.01			26	7	2	0.9	27	3	<0.1	46
930199	AMERICAN	02/10/93	11:54	10.6	7.3	11.5	78	3	3				30	7	3	3.2	29	4	<0.1	56
930330	AMERICAN	03/11/93	10:53	12.2	8.2	11.0	78	3	3	<0.01			32	8	3	0.7	30	5	<0.1	52
930434	AMERICAN	04/06/93	10:40	14.1	7.6		65	2	2	<0.01			23	6	2	0.6	26	3	<0.1	45
930788	AMERICAN	06/08/93	10:43	15.7	7.7	9.0	50	2	2	<0.01			20	5	2	0.5	21	4	<0.1	34
931158	AMERICAN	07/22/93	1:15	21.4	7.5	8.8	47	2	2	<0.01			14	4	1	0.6	19	3	<0.1	32
931302	AMERICAN	08/12/93	11:06	19.4	7.4	8.7	46	2	2	<0.01			14	4	1	0.6	18	4	<0.1	33
931554	AMERICAN	09/23/93	10:15	19.1	8.1	8.0	48	2	2	<0.01			20	5	2	0.6	20	4	<0.1	33
931629	AMERICAN	10/05/93	10:40	17.8	7.0	6.7	54	4	3	<0.01			16	5	1	0.6	19	2	<0.1	38
931914	AMERICAN	11/17/93	11:50	13.5	7.8	9.7	50	2	2	<0.01			16	5	1	0.6	20	2	<0.1	37
931993	AMERICAN	12/08/93	8:15	12.9	6.3	10.1	54	2	2	<0.01			20	5	2	0.6	21	2	<0.1	38
920061	BACON01	01/22/92	9:41	9.7	6.6	3.3	802	81	159	0.48			189	41	21	2.6	102	46	0.2	465
920290	BACON01	04/21/92	9:20	16.4	7.2	3.2	687	71	132	0.40			155	34	17	2.2	108	22	0.1	394
920481	BACON01	06/18/92	7:47	20.5	6.9	7.0	684	80	136	0.44			137	25	18	3.	71	46	0.2	384
920562	BACON01	07/21/92	9:15	24.0	7.2	6.2	898	121	211	0.68			141	20	22	5.8	64	37	0.1	485

Note: < signifies reporting limits. Concentration of analyte below reporting limit.

MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<—mg/L—>							
920663	BACON01	08/18/92	8:25	22.4	7.3	7.2	886	120	208	0.72			136	18	22	5.8	60	36	0.1	451
920823	BACON01	10/08/92	7:50	17.8	6.9	5.4	801	106	178	0.64			139	21	21	4.6	76	29	0.2	422
930042	BACON01	01/12/93	10:10	10.9	7.1	4.9	1180	91	148	0.33			383	89	39	3.5	54	246	0.2	787
930553	BACON01	04/22/93	10:15	17.0	7.1	5.1	781	75	125	0.36			206	46	22	2.2	79	98	0.2	474
930845	BACON01	06/17/93	8:10	21.2	7.1	6.6	350	30	39	0.08			91	20	10	2.2	61	42	0.2	190
931034	BACON01	07/07/93	12:55	26.6	6.9	5.0	300	25	29	0.07			91	20	10	1.5	45	49	0.2	184
931390	BANKS	09/01/93	8:55	24.1	7.1	7.4	189	16	18	0.05	<0.001		52	11	6	1.3	50	13	<0.1	114
931546	BANKS	09/21/93	9:10	20.7	8.1	4.7	252	23	28	0.09	<0.001		66	13	8	1.7	61	17	0.1	145
931712	BANKS	10/20/93	8:25	18.0	7.5	9.1	325	33	47	0.15	<0.001		68	14	8	2.1	59	21	0.1	183
931853	BANKS	11/10/93	10:50	15.2	8.0	9.2	393	46	65	0.22	<0.001		82	15	11	2.4	60	25	0.1	212
920083	BARKERNOBAY	01/23/92	14:00	6.7	8.4	8.0	332	30	29	0.05			100	17	14	2.4	98	24	0.2	192
920162	BARKERNOBAY	02/24/92	9:15	16.6	7.6	9.4	223	23	15	0.01			68	11	10	3.4	74	15	0.2	159
920207	BARKERNOBAY	03/24/92	7:39	15.3	7.6	7.4	445	43	32	0.04			118	19	17	3.3	127	47	0.3	266
920312	BARKERNOBAY	04/22/92	14:20	20.2	8.0	9.0	478	44	34	0.05			144	23	21	2.7	139	54	0.3	278
920389	BARKERNOBAY	05/19/92	6:35	19.0	7.2	7.2	416	36	29	0.04			127	21	18	2.8	122	40	0.2	240
920491	BARKERNOBAY	06/23/92	8:00	21.6	7.7		310	25	22	0.05			98	16	14	2.6	94	24	0.2	181
920585	BARKERNOBAY	07/22/92	14:00	24.1	7.7	8.6	296	24	24	0.06			91	15	13	2.5	90	21	0.1	177
920687	BARKERNOBAY	08/19/92	12:45	25.1	7.6	8.1	277	23	23	0.06			88	14	13	2.4	83	18	0.1	155
920773	BARKERNOBAY	09/22/92	6:11	19.1	7.4	7.6	298	25	25	0.06			95	15	14	2.4	91	19	0.2	172
920847	BARKERNOBAY	10/07/92	13:19	23.1	7.7	6.9	304	27	23	0.06			98	16	14	2.2	97	19	0.1	173
920982	BARKERNOBAY	11/17/92	7:30	12.2	7.4	9.3	321	29	27	0.06			98	16	14	2.5	94	22	0.1	183
921012	BARKERNOBAY	12/08/92	8:20	9.8	7.1	9.0	314	27	28	0.08			90	16	12	2.7	88	22	0.1	176
930201	BARKERNOBAY	02/10/93	7:17	10.6	6.8	8.2	210	23	16	0.02			60	11	8	3.2	50	13	0.2	148
930332	BARKERNOBAY	03/11/93	7:30	15.1	6.6	8.8	293	32	26	0.04			75	12	11	2.8	76	23	0.2	185
930436	BARKERNOBAY	04/06/93	6:05	14.9	7.4		488	49	43	0.08	<0.001		139	21	21	3.1	137	43	0.4	282
930577	BARKERNOBAY	04/21/93	9:30	18.2	7.8	8.4	470	43	34	0.06	<0.001		137	22	20	2.6	143	45	0.5	268
930790	BARKERNOBAY	06/08/93	6:29	18.7	7.0	5.7	391	34	32	0.05			115	18	17	2.8	117	32	0.3	222
931058	BARKERNOBAY	07/08/93	14:25	25.4	7.7	7.7	345	31	23	0.06	<0.001		111	18	16	2.5	111	27	0.2	200
931160	BARKERNOBAY	07/22/93	6:40	21.2	5.8	6.9	278	26	19	0.05	<0.001		87	15	12	1.8	87	20	0.2	164
931304	BARKERNOBAY	08/12/93	6:30	19.5	8.0	7.0	254	20	17	0.04	<0.001		80	14	11	1.8	83	18	0.2	150
931405	BARKERNOBAY	09/01/93	14:45	25.6	7.8	8.2	210	15	12	0.02	<0.001		70	13	9	1.7	73	14	0.1	124
931556	BARKERNOBAY	09/23/93	6:15	16.5	7.1	7.3	246	19	14	0.04	<0.001		80	14	11	1.7	84	18	0.1	138
931631	BARKERNOBAY	10/05/93	6:15	15.0	7.8	6.5	256	20	15	0.03			82	15	11	1.8	88	16	0.1	146
931727	BARKERNOBAY	10/20/93	9:25	16.8	7.3	7.9	305	25	24	0.04	<0.001		94	16	13	2.4	91	21	0.2	175
931916	BARKERNOBAY	11/17/93	7:18	9.8	6.3	9.4	233	18	14	0.03	<0.001		74	13	10	1.8	76	15	0.1	134
920044	BOULDIN1	01/21/92	13:08	7.5	6.7	2.9	581	48	45	0.16			203	40	25	4.2	179	66	0.4	414
920273	BOULDIN1	04/20/92	10:46	20.3	6.8	6.7	573	58	39	0.24			177	38	20	2.	190	54	0.2	396
920463	BOULDIN1	06/16/92	8:52	19.9	7.6	7.7	329	30	28	0.14			100	20	12	1.7	87	33	0.1	202
920544	BOULDIN1	07/20/92	9:45	22.3	7.1	6.0	353	34	27	0.08			105	22	12	1.4	81	49	0.3	235
920645	BOULDIN1	08/17/92	9:25	22.9	6.9	3.3	335	32	29	0.13			105	22	12	1.7	90	32	0.3	222
920804	BOULDIN1	10/05/92	9:55	18.6	7.0	2.0	524	34	45	0.30			210	43	25	11.	192	14	0.4	390
930023	BOULDIN1	01/11/93	10:58	7.7	7.1	7.9	685	56	48	0.32			240	50	28	5.3	173	101	0.3	498
930513	BOULDIN1	04/19/93	9:48	16.0	7.6	7.8	707	73	45	0.32			202	43	23	2.	175	112	0.3	488
930828	BOULDIN1	08/15/93	8:46	20.3	7.5	4.4	480	52	31	0.20			144	33	15	2.5	196	14	0.3	315

Note: < signifies reporting limits. Concentration of analyte below reporting limit.

MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													←				mg/L			→
931015	BOULDIN1	07/06/93	8:37	22.4	7.9	7.9	137	8	8	0.02			48	11	5	1.	46	6	<0.1	85
931362	BOULDIN1	08/30/93	9:45	21.5	7.2	5.1	289	22	15	0.07			87	20	9	2.	91	18	0.1	180
931686	BOULDIN1	10/18/93	10:20	16.9	7.4	7.9	510	58	51	0.24			130	29	14	3.9	169	15	0.2	311
920045	BOULDIN2	01/21/92	13:35	7.6	6.2	2.8	636	40	46	0.18			255	51	31	7.	181	89	0.4	497
920274	BOULDIN2	04/20/92	11:08	22.1	6.6	5.3	435	41	45	0.18			134	27	16	2.2	115	30	0.3	326
920464	BOULDIN2	06/16/92	9:14	19.5	7.2	5.6	285	24	31	0.12			84	17	10	1.7	58	25	0.1	183
920545	BOULDIN2	07/20/92	10:25	21.8	7.0	6.1	302	22	24	0.08			102	21	12	1.6	73	37	0.2	206
920646	BOULDIN2	08/17/92	9:45	23.8	6.9	4.5	317	29	37	0.14			97	19	12	1.9	72	26	0.2	205
920805	BOULDIN2	10/05/92	10:29	20.0	6.8	1.9	414	28	30	0.14			154	32	18	7.	125	38	0.4	309
930024	BOULDIN2	01/11/93	11:25	7.2	6.5	7.9	712	48	49	0.56			283	59	33	4.4	182	102	0.4	567
930514	BOULDIN2	04/19/93	10:20	16.8	7.4	7.0	659	59	62	0.47			214	43	26	2.5	153	72	0.4	489
920398	CLIFTON	05/21/92	8:15	22.1	8.0	6.5	463	46	64	0.16			117	22	15	2.	83	40	0.2	249
920443	CLIFTON	06/04/92	9:50	25.6	7.8	6.4	569	64	94	0.25	<0.001		121	22	16	3.7	82	44	0.2	306
920500	CLIFTON	06/25/92	9:45	24.2	7.9	7.1	724	88	146	0.47			133	22	19	4.6	73	42	0.2	392
920782	CLIFTON	09/24/92	8:07	21.7	7.7	8.1	717	91	161	0.53			121	17	19	4.5	68	37	0.2	375
920991	CLIFTON	11/19/92	10:15	13.9	7.9	8.7	737	90	149	0.50			137	22	20	4.6	76	43	0.2	394
921021	CLIFTON	12/10/92	10:50	12.2	7.7	10.7	875	103	149	0.48			194	38	24	3.7	107	88	0.4	496
930192	CLIFTON	02/09/93	11:15	12.9	7.4	8.8	345	28	40	0.09			95	20	11	3.3	58	38	0.1	216
930323	CLIFTON	03/09/93	10:15	16.4	7.8	8.6	730	75	94	0.24			182	38	21	4.	102	112	0.5	438
930469	CLIFTON	04/08/93	9:30	16.8	7.5	8.2	400	37	48	0.12			105	22	12	2.6	69	46	0.2	230
930689	CLIFTON	05/13/93	9:51	18.6	7.5	8.3	456	47	56	0.16			110	24	12	2.	63	61	0.2	267
930801	CLIFTON	06/10/93	9:18	21.9	7.6	4.9	301	28	35	0.08			77	16	9	1.7	58	29	0.2	156
931151	CLIFTON	07/20/93	10:10	23.3	7.8		166	12	13	0.04			52	11	6	1.4	46	12	<0.1	91
931295	CLIFTON	08/10/93	9:25	22.6	7.7	7.6	348	34	40	0.13			87	20	9	1.8	62	43	0.2	200
931547	CLIFTON	09/21/93	9:20	21.7	7.9	4.8	245	22	26	0.08			66	13	8	1.6	60	16	<0.1	140
931854	CLIFTON	11/10/93	10:00	15.2	7.7	8.5	418	50	71	0.26			80	14	11	2.7	54	21	<0.1	226
932028	CLIFTON	12/15/93	8:05	10.2	7.7	10.2	490	57	93	0.32			87	15	12	3.5	58	26	<0.1	266
920085	CONCOSPP1	01/23/92	12:00	6.6	7.6	8.3	732	90	156	0.46			128	20	19	4.8	71	40	0.2	399
920164	CONCOSPP1	02/24/92	11:45	15.6	7.7	13.2	793	96	150	0.45			162	27	23	4.8	80	67	0.2	451
920209	CONCOSPP1	03/24/92	9:55	16.1	7.1	9.7	421	44	51	0.10			109	19	15	2.8	78	45	0.2	246
920314	CONCOSPP1	04/22/92	12:50	19.1	8.3	9.1	362	32	42	0.08			98	18	13	2.3	84	29	0.1	202
920391	CONCOSPP1	05/19/92	8:43	21.5	8.3	6.3	451	46	68	0.17			109	19	15	3.1	81	32	0.1	234
920493	CONCOSPP1	06/23/92	10:50	24.4	8.2		885	112	196	0.62			141	20	22	5.8	73	41	0.2	469
920587	CONCOSPP1	07/22/92	12:30	25.2	7.8	8.1	905	121	208	0.68			138	19	22	5.8	65	43	0.1	471
920689	CONCOSPP1	08/19/92	11:20	26.1	7.7	7.7	904	120	208	0.74			140	18	23	5.6	60	42	0.1	464
920775	CONCOSPP1	09/22/92	8:25	21.1	8.0	8.5	882	119	212	0.71			136	18	22	5.3	67	38	0.2	463
920849	CONCOSPP1	10/07/92	11:43	22.5	7.8	7.5	900	125	205	0.71			149	20	24	5.4	76	41	0.2	468
920984	CONCOSPP1	11/17/92	9:45	14.4	8.2	10.2	943	113	216	0.64			143	21	22	5.4	74	48	0.2	499
921014	CONCOSPP1	12/08/92	11:50	10.7	8.3	11.3	933	126	210	0.72			143	21	22	5.9	75	54	0.2	498
930068	CONCOSPP1	01/13/93	10:49	10.6	7.9	11.3	633	69	99	0.29			138	24	19	3.5	84	64	0.2	360
930203	CONCOSPP1	02/10/93	9:51	11.5	7.5	9.1	361	31	40	0.08			97	19	12	3.1	60	43	0.2	223
930334	CONCOSPP1	03/11/93	9:04	16.4	7.8	8.5	801	85	111	0.24			204	37	27	3.4	96	123	0.4	480
930438	CONCOSPP1	04/06/93	8:42	16.3	7.9		677	70	89	0.21	<0.001		161	28	22	2.4	91	91	0.4	390
930579	CONCOSPP1	04/21/93	12:30	19.3	8.1	9.8	265	22	25	0.06	<0.001		77	16	9	1.8	62	25	0.1	152

Note: < signifies reporting limits. Concentration of analyte below reporting limit.

MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<--------				mg/L			-------->
930680	CONCOSPP1	05/12/93	8:57	18.5	7.9	8.2	410	40	48	0.12			106	21	13	2.1	75	44	0.3	229
930792	CONCOSPP1	06/08/93	8:49	20.5	7.6	6.5	250	21	26	0.06			66	14	8	1.5	57	24	0.1	123
931060	CONCOSPP1	07/08/93	12:35	24.4	7.8	7.6	159	12	11	0.03	<0.001		50	10	6	1.3	46	10	<0.1	89
931162	CONCOSPP1	07/22/93	9:25	25.5	8.0	6.6	159	11	12	0.04	<0.001		43	9	5	1.1	46	10	<0.1	86
931306	CONCOSPP1	08/12/93	9:07	23.2	7.7	7.3	185	16	18	0.06	<0.001		50	10	6	1.2	48	12	<0.1	107
931407	CONCOSPP1	09/01/93	13:15	24.7	8.0	8.0	205	18	21	0.06	<0.001		56	11	7	1.3	51	14	<0.1	120
931558	CONCOSPP1	09/23/93	8:20	19.7	8.0	7.9	285	26	36	0.11	<0.001		70	13	9	1.6	63	20	<0.1	162
931633	CONCOSPP1	10/05/93	8:30	19.5	7.3	6.4	368	40	55	0.16			82	15	11	2.	69	22	<0.1	203
931729	CONCOSPP1	10/20/93	12:10	18.5	8.2	9.2	458	54	82	0.25	<0.001		87	15	12	2.6	65	25	0.1	247
931918	CONCOSPP1	11/17/93	9:53	12.3	6.3	10.5	647	82	142	0.48	<0.001		102	16	15	4.	58	31	0.1	347
920094	CONNMAND	01/23/92	8:50	6.5	7.2		540	62	102	0.26			107	18	15	3.8	69	31	0.2	302
920080	DELTACRCHAN	01/23/92	8:20	7.8	7.7	9.5	208	14	10	0.02			74	15	9	1.8	79	12	<0.1	129
920582	DELTACRCHAN	07/22/92	7:00	22.3	7.2	7.9	143	9	7	0.02			50	10	6	1.3	50	8	<0.1	89
920684	DELTACRCHAN	08/19/92	6:55	24.6	7.3	7.0	158	11	8	0.02			56	11	7	1.4	57	8	<0.1	92
920844	DELTACRCHAN	10/07/92	6:37	18.6	7.5	6.9	163	10	7	0.02			59	12	7	1.4	60	10	<0.1	99
930063	DELTACRCHAN	01/13/93	8:10	12.5	7.6	10.4	200	12	12	0.02			66	14	8	2.7	53	16	<0.1	128
920343	FAL SETIP-WEBB	05/05/92	7:05	20.4	8.2	9.0	625	73	116	0.34			119	18	18	4.				
920341	FALSETIP-WEBB	05/05/92	7:05	20.4	8.2	9.0	635	74	120	0.34			124	20	18	4.1				
920422	FALSETIP-WEBB	06/11/92	7:00	20.0	7.9	8.1	1110	152	283	0.69			160	21	26	7.				
920515	FALSETIP-WEBB	07/09/92	7:05	22.5	7.7	7.7	868	128	202	0.75			136	18	22	7.6				
920594	FALSETIP-WEBB	07/22/92	7:00	22.2	7.6	8.3	993	138	240	0.68			140	18	23	6.4	58	41	0.1	507
920617	FALSETIP-WEBB	08/06/92	6:55	22.0	7.6	7.8	968	131	237	0.79			136	18	22	6.4				
920696	FALSETIP-WEBB	08/19/92	7:00	23.2	7.4	7.9	1040	151	253	0.89			148	18	25	6.9	55	42	0.1	539
920718	FALSETIP-WEBB	09/03/92	6:55	20.3	7.6	8.8	1000	138	240	0.88			144	18	24	6.6				
920856	FALSETIP-WEBB	10/07/92	7:10	19.9	7.7	8.2	1040	150	251	0.92			151	19	25	6.2	71	43	0.1	537
920880	FALSETIP-WEBB	10/20/92	7:46	18.9	8.1	8.5	1020	142	240	0.88			151	19	25	6.2				
930588	FALSETIP-WEBB	04/21/93	7:10	15.8	7.2	9.5	181	11	12	0.03			62	13	7	1.5	57	13	<0.1	110
931738	FALSETIP-WEBB	10/20/93	7:19	12.8	7.0	8.4	524	66	108	0.36			84	14	12	3.3	58	22	<0.1	279
920081	GEORGSLWALNUT	01/23/92	8:30	7.7	7.8	8.0	207	13	9	0.01			74	15	9	1.7	81	11	0.1	129
920310	GEORGSLWALNUT	04/22/92	7:05	17.2	7.5	8.4	208	12	10	0.01			70	15	8	1.6	74	13	<0.1	122
920583	GEORGSLWALNUT	07/22/92	7:30	22.4	7.2	8.0	142	8	7	0.02			50	10	6	1.3	50	8	<0.1	87
920685	GEORGSLWALNUT	08/19/92	7:10	24.9	7.0	7.0	171	12	9	0.02			59	12	7	1.4	60	10	<0.1	96
920845	GEORGSLWALNUT	10/07/92	7:00	18.9	7.4	7.0	166	11	7	0.02			59	12	7	1.4	61	10	<0.1	100
930064	GEORGSLWALNUT	01/13/93	8:20	8.3	7.6	5.4	185	11	11	0.02			64	14	7	1.8	57	11	<0.1	115
930575	GEORGSLWALNUT	04/21/93	7:50	15.1	7.5	9.8	125	6	4	<0.01			46	10	5	1.	49	7	<0.1	80
931056	GEORGSLWALNUT	07/08/93	7:35	20.5	7.4	8.4	101	5	4	<0.01			36	8	4	0.9	38	4	<0.1	69
931403	GEORGSLWALNUT	09/01/93	8:05	20.2	7.6	8.1	141	9	5	0.01			54	12	6	1.	53	9	<0.1	86
931725	GEORGSLWALNUT	10/20/93	7:40	16.2	7.2	9.3	118	6	4	0.01			39	9	4	1.	45	4	<0.1	79
920073	GRANTLNCAN	01/23/92	10:22	7.5	7.6	10.6	1100	130	166	0.43			242	51	28	4.5	134	162	0.7	655
920302	GRANTLNCAN	04/22/92	9:00	17.4	7.7	9.6	932	104	138	0.32			225	49	25	3.4	115	135	0.5	544
920574	GRANTLNCAN	07/22/92	9:45	23.6	8.3	7.3	1100	127	189	0.64			266	54	32	5.4	139	126	0.5	641
920675	GRANTLNCAN	08/19/92	9:20	27.1	8.5	9.0	1080	123	185	0.63			264	53	32	5.2	142	116	0.5	603
920835	GRANTLNCAN	10/07/92	9:18	20.9	7.9	6.5	881	94	143	0.45			208	42	25	4.	124	82	0.4	498
930054	GRANTLNCAN	01/13/93	9:40	9.8	7.1	10.0	376	34	48	0.11			96	22	10	5.7	60	38	0.2	228

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MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<———				mg/L			———>
330585	GRANTLNCAN	04/21/93	8:57	17.8	7.3	6.9	615	68	81	0.20			141	30	16	2.8	83	81	0.3	354
331046	GRANTLNCAN	07/08/93	8:55	25.2	7.6	7.4	855	99	117	0.37			201	44	22	3.2	104	121	0.9	499
331393	GRANTLNCAN	09/01/93	10:55	23.6	7.4	7.6	386	40	44	0.13			87	20	9	2.	58	54	0.2	223
331715	GRANTLNCAN	10/20/93	10:40	17.7	7.5	8.7	244	23	26	0.06			57	13	6	1.4	46	24	0.1	142
320104	GRANTOLD	01/23/92	10:45	6.8			546	60	91	0.27			117	22	15	3.6	71	43	0.2	308
320202	GRANTOLD	03/11/92	10:25	15.6	7.6	8.1	360	29	43	0.09			102	21	12	3.2				
320254	GRANTOLD	04/08/92	10:10	17.8	7.7	8.6	340	28	36	0.08			94	18	12	2.4				
320333	GRANTOLD	04/22/92	9:40	18.3	7.6	10.3	409	38	50	0.11			108	20	14	2.5	84	38	0.2	232
320353	GRANTOLD	05/05/92	9:10	22.3	7.9	8.3	397	36	49	0.10			106	21	13	2.8				
320432	GRANTOLD	06/11/92	9:25	21.6	7.6	7.4	686	79	126	0.37			134	24	18	4.				
320525	GRANTOLD	07/09/92	9:35	24.1	8.0	7.7	724	90	146	0.48			129	22	18	4.3				
320606	GRANTOLD	07/22/92	9:00	22.6	7.5	7.5	900	108	172	0.48			188	34	25	4.9	95	78	0.3	502
320706	GRANTOLD	08/19/92	8:55	26.3	7.6	7.1	822	97	158	0.51			163	29	22	4.7	85	63	0.3	445
320728	GRANTOLD	09/03/92	8:50	21.7	8.0	7.4	956	105	148	0.49			231	48	27	4.8				
320866	GRANTOLD	10/07/92	9:15	20.8	7.5	7.3	684	86	134	0.43			136	23	19	4.1	79	43	0.2	363
320890	GRANTOLD	10/20/92	11:18	19.8	7.5	7.6	795	96	149	0.48			163	29	22	4.2				
331748	GRANTOLD	10/20/93	9:58	18.0	7.4	7.6	318	32	47	0.14			72	14	9	2.4	60	19	<0.1	180
320007	GREENES	01/07/92	12:40	9.9	7.7	11.1	201	14	10	0.02			72	14	9	2.				
320079	GREENES	01/23/92	7:20	8.2	8.5	8.4	216	14	10	0.02			74	15	9	2.	79	13	0.1	130
320144	GREENES	02/04/92	11:59	11.8	7.9	11.0	193	14	9	0.01			68	14	8	1.8				
320165	GREENES	02/24/92	13:00	14.8	8.0	12.7				<0.01										
320030	HOLLAND02	01/21/92	12:10	13.9	7.4	4.6	1750	202	308	0.85			427	77	57	6.8	186	216	0.5	1070
320260	HOLLAND02	04/20/92	10:20	21.0	8.8	9.2	2400	305	387	0.84			594	96	86	6.6	355	339	0.9	1510
320450	HOLLAND02	06/15/92	9:15	18.5	7.4	3.0	1500	182	261	0.82			357	64	48	5.	232	122	0.4	878
320531	HOLLAND02	07/20/92	13:05	25.3	7.7		1240	152	242	0.88			268	48	36	7.1	170	81	0.4	715
320633	HOLLAND02	08/17/92	8:50	22.5	7.2	3.0	1280	155	256	0.92			264	48	35	11.	156	65	0.4	719
320792	HOLLAND02	10/05/92	11:20	18.9	7.0	5.2	1480	177	287	0.98			336	57	47	7.9	180	115	0.4	839
330011	HOLLAND02	01/11/93	9:05	8.5	6.9	7.0	1860	200	317	0.68			478	91	61	6.2	133	278	0.4	1160
330501	HOLLAND02	04/19/93	9:25	15.9	6.6	3.2	1050	115	178	0.49			262	57	29	3.8	88	141	0.2	658
330816	HOLLAND02	06/14/93	8:58	25.2	7.3	4.4	911	104	170	0.49			206	43	24	4.1	133	66	0.3	513
331003	HOLLAND02	07/06/93	9:30	23.9	7.1	4.2	625	75	76	0.19			122	29	12	3.8	94	93	0.3	366
331350	HOLLAND02	08/30/93	8:40	19.3	7.2	5.1	920	110	149	0.49			205	39	26	3.3	151	88	0.3	549
331672	HOLLAND02	10/18/93	8:00	15.0	7.1	7.1	1240	144	199	0.72			297	48	43	5.5	225	120	0.4	744
320029	HOLLAND03	01/21/92	12:00	10.4	7.5	5.4	1430	158	273	0.78			337	64	43	5.2	174	117	0.3	847
320259	HOLLAND03	04/20/92	10:05	20.0	7.4	4.4	2870	335	542	1.18			792	129	114	7.3	344	350	0.7	1810
320449	HOLLAND03	06/15/92	8:53	17.0	7.1	2.4	931	105	197	0.71			211	48	22	3.2	138	13	0.1	520
320530	HOLLAND03	07/20/92	13:30	23.7	7.3		1120	128	227	0.71			247	51	29	5.5	80	115	0.4	660
320632	HOLLAND03	08/17/92	8:30	21.8	7.2	3.0	1180	142	241	0.88			253	47	33	9.9	160	46	0.3	674
320791	HOLLAND03	10/05/92	10:55	19.5	6.9	2.0	1180	136	230	0.84			272	53	34	4.1	175	50	0.3	648
330010	HOLLAND03	01/11/93	8:30	8.1	6.4	5.6	2020	218	376	0.79			522	100	66	6.8	156	276	0.4	1270
930500	HOLLAND03	04/19/93	8:50	15.9	6.9	3.5	1430	166	258	0.75			365	72	45	4.3	198	129	0.3	852
930815	HOLLAND03	06/14/93	9:13	21.6	7.1	3.4	998	117	211	0.68			220	50	23	3.5	163	26	0.2	553
331002	HOLLAND03	07/06/93	9:45	20.6	7.2	2.4	857	98	187	0.59			199	45	21	3.6	155	22	0.2	480
331349	HOLLAND03	08/30/93	9:10	18.9	7.0	2.6	873	100	176	0.64			182	40	20	3.8	148	15	0.2	486

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MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<—mg/L—>							
331671	HOLLAND03	10/18/93	8:20	15.8	7.1	5.9	1020	122	177	0.59			220	42	28	4.8	176	65	0.3	588
320088	HONKER	01/23/92	10:35	7.0	7.6	7.5	453	34	65	0.16			145	30	17	2.1	88	25	0.1	272
320317	HONKER	04/22/92	8:35	17.7	7.7	8.6	386	34	49	0.10			106	21	13	3.1	79	31	0.1	220
320590	HONKER	07/22/92	8:45	23.7	7.4	8.0	192	13	17	0.06			62	13	7	1.4	54	11	<0.1	114
320692	HONKER	08/19/92	8:20	25.2	7.3	7.0	209	15	21	0.06			66	13	8	1.6	57	10	<0.1	120
320852	HONKER	10/07/92	8:07	19.9	7.4	6.6	203	14	12	0.03			72	14	9	1.4	69	12	<0.1	122
330071	HONKER	01/13/93	12:20	10.4	7.6	10.8	288	20	32	0.06			86	19	10	3.6	60	21	0.1	173
330582	HONKER	04/21/93	14:55	18.0	7.8	9.7	162	9	13	0.03			54	12	6	1.3	51	9	<0.1	97
331063	HONKER	07/08/93	8:20	22.3	7.4	7.6	136	8	11	0.03			46	10	5	1.	41	6	<0.1	86
331410	HONKER	09/01/93	8:50	22.2	7.5	7.7	162	11	10	0.03			51	12	5	0.8	56	9	<0.1	99
331732	HONKER	10/20/93	13:55	19.5	7.8	9.9	153	9	9	0.03			48	11	5	1.1	53	6	<0.1	90
320040	KINGISPP01	01/21/92	9:51	11.3	6.4	11.3	426	25	20	0.11			171	42	16	1.	184	10	0.1	275
320269	KINGISPP01	04/20/92	8:20	11.1	6.4	3.5	390	21	18	0.08			160	41	14	0.9	178	4	<0.1	260
320459	KINGISPP01	06/16/92	7:13	16.7	7.2	2.0	390	21	18	0.09			164	41	15	1.2	175	5	<0.1	255
320540	KINGISPP01	07/20/92	7:45	19.6	7.4	2.9	363	19	16	0.09			150	37	14	1.1	162	4	0.1	232
320641	KINGISPP01	08/17/92	7:40	20.5	7.0	3.1	375	21	16	0.10			158	40	14	0.7	171	4	0.1	244
320800	KINGISPP01	10/05/92	8:01	16.4	7.3	2.7	374	19	16	0.09			155	39	14	1.1	172	2	<0.1	242
330509	KINGISPP01	04/19/93	8:07	14.8	7.4	3.8	374	19	17	0.08			151	39	13	0.9	164	6	<0.1	251
330824	KINGISPP01	06/15/93	7:16	19.3	7.5	6.8	160	8	9	0.02			56	14	5	1.	56	7	<0.1	95
331011	KINGISPP01	07/06/93	7:30	20.0	7.3	3.8	363	20	17	0.09			156	41	13	1.	161	5	0.1	240
331358	KINGISPP01	08/30/93	7:25	17.4	7.3	3.6	353	18	18	0.09			147	39	12	1.	157	6	<0.1	234
331682	KINGISPP01	10/18/93	7:40	15.3	7.3	4.0	368	18	19	0.09			150	40	12	1.3	161	2	<0.1	250
320039	KINGISPP02	01/21/92	8:47	6.6	6.3	10.1	587	43	47	0.18			210	53	19	1.	184	44	0.1	385
320268	KINGISPP02	04/20/92	9:05	18.9	6.6	5.2	926	76	152	0.52			308	74	30	0.9	214	30	0.1	548
320041	KINGISPP03	01/21/92	9:24	9.6	6.5	7.0	1090	82	202	0.62			342	71	40	1.8	136	57	0.1	671
320270	KINGISPP03	04/20/92	8:38	18.8	6.6	2.6	1490	117	323	1.02			483	98	58	1.7	272	33	0.1	834
331062	LPOTTERM	07/08/93	9:30	22.3	7.5	8.1	128	9	7	0.02			46	10	5	1.1	44	6	<0.1	84
331409	LPOTTERM	09/01/93	10:10	22.1	7.6	8.3	159	10	10	0.03			54	12	6	1.1	55	9	<0.1	98
331731	LPOTTERM	10/20/93	13:20	18.2	7.3	8.3	142	8	8	0.02			46	10	5	1.1	49	5	<0.1	87
920006	MALLARDIS	01/07/92	11:03	9.4	7.4	11.5	8960	1530	2850	3.90			1010	70	202	59.				
320084	MALLARDIS	01/23/92	12:45	7.4	7.4	8.5	9000	1510	2860	8.70			1010	73	200	58.	78	392	0.8	5200
920143	MALLARDIS	02/04/92	10:15	10.4	7.3	11.2	9970	1850	3070	10.80			1190	83	239	68.				
920166	MALLARDIS	02/24/92	10:50	13.6	7.4	12.6	448	51	77	0.22			91	15	13	3.5	63	28	0.1	254
920188	MALLARDIS	03/10/92	9:40	15.6	7.9	9.1	1360	191	334	0.95			187	22	32	9.1				
920211	MALLARDIS	03/24/92	9:15	15.6	7.5	8.1				1.42										
920238	MALLARDIS	04/07/92	11:50	17.9	7.7	10.3	2530	397	664	2.07			310	30	57	16.				
920313	MALLARDIS	04/22/92	11:40	18.5	7.9	9.1	2450	372	654	1.95			299	29	55	15.	86	105	0.2	1300
920360	MALLARDIS	05/07/92	7:53	19.7	8.0	7.7	15000	2630	4800	15.80			1700	112	346	109.				
920393	MALLARDIS	05/19/92	7:59	19.5	7.7	8.6	15100	2650	4930	14.00			1720	114	348	109.	90	657	1.3	8860
920439	MALLARDIS	06/09/92	7:28	20.2	7.5		8490	1420	2640	8.00			975	69	195	58.				
920495	MALLARDIS	06/23/92	9:50	22.4	8.2		10000	1750	3140	10.50			1120	76	226	73.	83	396	0.9	5880
920511	MALLARDIS	07/07/92	9:45	21.7	7.9	8.0	9950	1850	3120	10.92			1180	84	237	70.				
920586	MALLARDIS	07/22/92	11:25	21.8	7.8	9.1	12200	2150	3890	13.20			1460	99	294	91.	76	521	1.	7090
920613	MALLARDIS	08/04/92	10:00	22.1	7.7	10.5	11400	1760	3660	12.30			1330	90	269	80.				

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MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<--------				mg/L			-------->
920688	MALLARDIS	08/19/92	10:30	23.3	7.7	8.2	12700	2280	4070	14.60			1510	101	305	87.	73	637	1.	7360
920714	MALLARDIS	09/01/92	10:30	22.3	7.7	8.0	12800	2130	3970	14.70			1470	99	297	93.				
920777	MALLARDIS	09/22/92	7:28	19.4	7.5	8.6	10100	1810	3240	11.20			1180	79	236	85.	73	448	0.8	5800
920848	MALLARDIS	10/07/92	10:24	21.5	7.7	7.1	11800	2090	3670	13.10			1340	89	271	73.	79	516	0.9	6710
920876	MALLARDIS	10/19/92	8:30	18.8	7.7	8.6	14200	2570	4580	16.90			1640	110	332	96.				
920986	MALLARDIS	11/17/92	9:00	15.6	7.6	10.0	15600	2870	5100	17.80			1580	23	366	103.	82	655	1.3	9470
921016	MALLARDIS	12/08/92	10:15	12.2	7.6	9.9	18600	3030	5510	0.75			1820	126	365	116.	85	752	1.4	9970
930067	MALLARDIS	01/13/93	9:50	10.8	7.6	10.8	1000	136	236	0.08			146	19	24	6.8	66	46	0.2	537
930128	MALLARDIS	01/26/93	10:35	11.5	7.7		213	16	18	0.04			63	12	8	2.3				
930205	MALLARDIS	02/10/93	8:56	11.1	7.8	9.8	502	57	81	0.25			107	18	15	3.7	75	30	0.2	278
930233	MALLARDIS	02/16/93	9:10	11.8	7.1	5.9	255	20	22	0.05			81	16	10	2.1				
930402	MALLARDIS	03/25/93	10:25	14.5	7.7	10.0	193	13	12	0.03			66	13	8	1.5				
930440	MALLARDIS	04/06/93	8:09	14.6	7.9	10.0	159	10	9	0.02			54	12	6	1.4	54	9	<0.1	98
930578	MALLARDIS	04/21/93	11:25	18.0	7.8	9.5	200	14	14	0.03			66	13	8	1.5	64	13	<0.1	119
930682	MALLARDIS	05/12/93	7:54	17.8	7.7	9.9	229	20	25	0.08			63	12	8	1.6	55	14	<0.1	133
930794	MALLARDIS	06/08/93	7:54	18.6	7.5	8.1	160	12	13	0.03			43	9	5	1.2	46	11	<0.1	82
931059	MALLARDIS	07/08/93	11:20	22.3	7.7	8.3	1370	208	348	1.21			170	20	29	8.5	49	56	0.1	702
931164	MALLARDIS	07/22/93	8:35	23.1	7.0	5.9	3780	648	1090	3.80			376	32	72	25.	58	200	0.3	2040
931308	MALLARDIS	08/12/93	8:10	20.8	7.6	8.1	690	93	165	0.55			94	13	15	4.3	48	29	0.1	366
931406	MALLARDIS	09/01/93	11:45	23.2	7.8	8.1	1640	259	450	1.56			194	20	35	11.	50	67	0.2	841
931560	MALLARDIS	09/23/93	7:40	18.8	7.4	8.8	5020	843	1460	4.99			514	41	100	30.	63	221	0.4	2740
931635	MALLARDIS	10/05/93	7:50	18.0	7.4	7.1	6960	1110	1980	7.81			556	56	101	42.	68	296	0.6	3890
931728	MALLARDIS	10/20/93	11:05	18.3	7.4	8.3	8040	1360	2550	8.70			846	62	168	52.	69	68	0.7	4530
931920	MALLARDIS	11/17/93	9:07	12.2	7.3	8.6	11600	1980	3670	12.80			1220	88	244	74.	70	536	0.9	6790
931999	MALLARDIS	12/16/93	9:50	11.1	7.4	10.3	6570	1110	1980	7.18			691	54	135	42.	65	283	0.5	3670
920063	MANDEVILLEPP01	01/22/92	10:07	8.0	6.2	5.4	798	64	83	0.31			262	57	29	5.	96	171	0.5	608
920292	MANDEVILLEPP01	04/21/92	10:20	18.2	6.4	3.0	632	51	72	0.17			189	41	21	5.	122	73	0.2	411
920483	MANDEVILLEPP01	06/18/92	8:21	19.8	6.8	9.3	556	52	80	0.29			166	35	19	0.9	121	30	0.2	338
920825	MANDEVILLEPP01	10/06/92	8:37	18.2	6.6	2.6	578	57	90	0.32			154	32	18	3.3	97	42	0.4	386
930044	MANDEVILLEPP01	01/12/93	11:00	8.6	6.6	6.7	1020	78	108	0.30			345	79	36	3.9	74	252	0.3	729
930555	MANDEVILLEPP01	04/22/93	11:00	16.8	6.9	6.3	574	50	67	0.19			167	37	18	3.	88	77	0.2	372
920677	MIDDLER	08/19/92	10:14	26.3	7.5	7.4	533	64	105	0.35			98	16	14	3.6	59	27	0.1	277
920784	MIDDLER	09/24/92	7:25	21.5	7.6	7.6	479	55	89	0.27			98	16	14	3.1	68	29	0.1	256
920837	MIDDLER	10/07/92	10:20	21.4	8.1	7.8	529	62	94	0.32			109	19	15	3.8	74	30	0.1	280
920993	MIDDLER	11/19/92	8:45	13.4	7.8	8.9	653	78	125	0.41			132	23	18	4.2	77	41	0.2	354
921023	MIDDLER	12/10/92	12:15	13.1	7.5	10.8	726	86	139	0.45			141	25	19	4.6	76	50	0.2	399
930056	MIDDLER	01/13/93	10:40	9.1	7.0	11.0	445	40	59	0.17			120	25	14	3.	68	48	0.2	260
930194	MIDDLER	02/09/93	12:35	13.2	7.6	8.9	331	26	37	0.09			95	20	11	3.2	57	37	0.1	207
930325	MIDDLER	03/09/93	11:10	15.6	7.6	8.4	520	46	68	0.16			141	30	16	3.7	74	69	0.2	307
930471	MIDDLER	04/08/93	10:45	18.0	7.4	7.9	477	46	62	0.16			123	26	14	3.3	74	57	0.2	276
930567	MIDDLER	04/21/93	10:11	18.2	7.2	6.5	464	46	59	0.14			125	27	14	2.8	75	52	0.2	264
930691	MIDDLER	05/13/93	10:36	19.7	7.8	9.3	499	51	65	0.16			123	26	14	2.6	74	65	0.3	289
930803	MIDDLER	06/10/93	10:13	22.1	7.7	8.0	306	29	37	0.09			73	16	8	1.8	56	32	0.1	157
931048	MIDDLER	07/08/93	9:50	24.6	7.6	6.6	191	16	17	0.05			54	12	6	1.3	48	14	0.1	104

Note: < signifies reporting limits. Concentration of analyte below reporting limit.

MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<———				mg/L			———>
931153	MIDDLER	07/20/93	11:20	24.1	7.7		164	12	13	0.04			57	11	6	1.4	46	13	<0.1	93
931297	MIDDLER	08/10/93	8:10	22.4	7.1	7.7	153	11	12	0.03			46	11	5	1.1	46	10	<0.1	92
931395	MIDDLER	09/01/93	12:10	24.5	7.1	7.5	176	13	15	0.04			54	12	6	1.4	49	13	<0.1	105
931549	MIDDLER	09/21/93	10:40	21.0	8.5	4.6	242	20	23	0.06			68	14	8	1.7	63	19	<0.1	140
931717	MIDDLER	10/20/93	11:55	19.2	7.4	8.4	278	25	35	0.10			68	14	8	2.1	58	18	0.1	159
931856	MIDDLER	11/10/93	8:50	15.4	7.5	8.1	312	33	46	0.15			72	14	9	1.9	54	19	<0.1	176
932030	MIDDLER	12/15/93	7:30	9.7	7.7	10.4	321	31	46	0.14			72	14	9	2.4	59	22	<0.1	183
920074	MIDMONRY	01/23/92	10:55	8.7	7.7	10.5	1080	128	185	0.44			240	50	28	4.2	132	153	0.7	631
920303	MIDMONRY	04/22/92	9:20	16.8	7.7	9.7	807	87	119	0.29			201	44	22	3.2	106	104	0.4	458
920575	MIDMONRY	07/22/92	10:20	22.3	8.2	8.8	1070	121	198	0.67			262	54	31	3.9	130	110	0.4	614
920676	MIDMONRY	08/19/92	9:45	26.2	8.5	9.3	1090	122	194	0.69			265	55	31	4.4	140	106	0.4	606
920836	MIDMONRY	10/07/92	9:50	19.8	8.1	7.6	834	96	128	0.45			208	42	25	3.2	131	83	0.3	466
930055	MIDMONRY	01/13/93	10:05	9.0	7.1	9.3	261	24	27	0.06			66	15	7	5.1	54	21	0.2	163
930566	MIDMONRY	04/21/93	9:31	18.1	7.4	7.0	583	66	76	0.20			139	29	16	2.7	81	74	0.3	330
931047	MIDMONRY	07/08/93	9:25	25.1	7.7	7.5	782	82	105	0.34			192	42	21	3.	95	111	0.8	454
931394	MIDMONRY	09/01/93	11:30	24.5	7.1	7.8	361	37	40	0.13			87	20	9	1.9	54	50	0.2	208
931716	MIDMONRY	10/20/93	11:10	17.6	7.3	8.1	270	25	34	0.10			60	14	6	1.6	47	23	0.1	154
920086	MOKGEORGIANA	01/23/92	9:45	7.1	7.9	8.4	216	14	10	0.02			77	16	9	1.9	80	13	<0.1	132
920315	MOKGEORGIANA	04/22/92	10:05	17.7	7.6	8.3	209	13	10	0.01			74	15	9	1.5	76	13	<0.1	126
920588	MOKGEORGIANA	07/22/92	10:10	23.2	7.5	9.0	139	9	7	0.03			50	10	6	1.3	47	8	<0.1	86
920690	MOKGEORGIANA	08/19/92	9:25	25.5	7.3	7.4	158	11	8	0.02			54	12	6	1.5	54	9	<0.1	95
920850	MOKGEORGIANA	10/07/92	9:05	20.3	7.6	6.9	163	10	7	0.01			56	11	7	1.3	59	9	<0.1	98
930069	MOKGEORGIANA	01/13/93	11:15	10.8	8.0	10.8	192	11	14	0.02			59	12	7	2.3	49	15	0.1	122
930580	MOKGEORGIANA	04/21/93	13:30	16.5	7.6	9.7	133	7	5	<0.01			48	11	5	1.1	50	8	<0.1	86
931061	MOKGEORGIANA	07/08/93	10:00	22.2	7.5	8.2	109	6	4	0.01			39	9	4	0.9	40	5	<0.1	72
931408	MOKGEORGIANA	09/01/93	10:35	21.6	7.6	8.7	143	9	6	0.01			52	11	6	1.1	54	9	<0.1	89
931730	MOKGEORGIANA	10/20/93	12:55	17.8	7.5	8.3	130	7	7	0.02			42	10	4	1.1	45	5	<0.1	82
920004	MRIVBACON	01/07/92	8:33	9.1	6.9	11.2	519	54	82	0.25			122	24	15	3.4				
920076	MRIVBACON	01/23/92	12:00	8.4	7.4	10.7	455	46	70	0.20			108	20	14	3.2	70	36	0.2	263
920219	MRIVBACON	03/26/92	11:35	16.9	7.5	9.5	290	21	28	0.06			86	18	10	2.5	72	25	0.1	180
920236	MRIVBACON	04/07/92	8:45	17.4	7.6	8.7	297	24	27	0.06			100	20	12	2.5				
920305	MRIVBACON	04/22/92	10:05	18.2	7.5	8.6	335	28	37	0.07			102	21	12	2.4	79	26	0.1	192
920358	MRIVBACON	05/07/92	10:02	21.9	8.5	8.0	456	44	59	0.13			115	23	14	3.1				
920401	MRIVBACON	05/21/92	9:50	21.7	8.3	7.8	458	46	64	0.16			113	22	14	3.	79	43	0.2	245
920437	MRIVBACON	06/09/92	9:56	24.4	7.7		535	58	88	0.25			114	21	15	3.5				
920503	MRIVBACON	06/25/92	7:45	23.1	7.9	6.8	564	64	104	0.33			109	19	15	3.7	70	33	0.2	298
931159	NATOMAS	07/22/93	11:40	27.8	7.7	6.6	635	42	50	0.10			249	42	35	2.	216	47	0.2	372
931303	NATOMAS	08/12/93	11:45	22.2	7.5	6.5	519	31	39	0.07			196	34	27	1.6	172	42	0.2	303
931373	NATOMAS	08/31/93	14:15	25.7	7.8	7.9	486	38	31	0.09			172	31	23	1.2	192	18	0.2	283
931555	NATOMAS	09/23/93	10:50	21.4	7.6	5.6	417	33	28	0.09			146	27	19	1.2	161	17	0.1	242
931630	NATOMAS	10/05/93	11:15	19.1	7.7	6.1	553	42	42	0.11			191	35	25	1.8	196	28	0.2	325
931697	NATOMAS	10/19/93	13:10	19.5	8.0	10.6	607	55	50	0.13			192	34	26	2.2	207	31	0.2	361
931915	NATOMAS	11/17/93	12:34	11.7	7.0	11.9	586	46	45	0.10			195	35	26	3.9	200	38	0.2	345
931994	NATOMAS	12/08/93	7:25	12.4	6.9	10.7	704	56	57	0.12			242	44	32	3.4	223	54	0.2	421

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MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<—mg/L—>							
920101	NORTHCAN	01/23/92	10:25	6.7			478	51	80	0.21			108	20	14	3.4	69	34	0.2	271
920199	NORTHCAN	03/11/92	10:00	15.1	7.5	8.1	324	25	36	0.08			95	20	11	3.1				
920251	NORTHCAN	04/08/92	9:45	18.4	7.7	8.7	304	24	30	0.07			97	19	12	2.3				
920330	NORTHCAN	04/22/92	9:15	18.0	7.5	10.7	358	30	41	0.09			104	20	13	2.3	81	31	0.1	204
920350	NORTHCAN	05/05/92	8:45	22.0	7.7	8.0	412	38	51	0.11			106	21	13	2.9				
920429	NORTHCAN	06/11/92	8:50	20.8	7.5	7.5	557	61	93	0.27			121	22	16	3.5				
920522	NORTHCAN	07/09/92	8:45	24.1	7.6	7.1	625	78	123	0.41			116	20	16	4.				
920603	NORTHCAN	07/22/92	8:30	22.9	7.6	7.9	679	83	141	0.45			124	20	18	4.4	67	36	0.2	358
920624	NORTHCAN	08/06/92	8:45	23.8	7.4	7.4	708	89	155	0.48			124	20	18	4.6				
920703	NORTHCAN	08/19/92	8:30	26.0	7.3	6.7	546	65	108	0.35			104	17	15	3.6	60	26	0.1	292
920725	NORTHCAN	09/03/92	8:25	21.7	7.4	7.4	589	80	116	0.39			113	17	17	4.3				
920863	NORTHCAN	10/07/92	8:50	20.5	7.6	7.6	531	66	94	0.29			111	18	16	37.	74	32	0.1	284
920887	NORTHCAN	10/20/92	10:43	20.2	7.6	7.8	672	83	131	0.41			131	21	19	4.2				
931745	NORTHCAN	10/20/93	9:05	18.1	7.5	7.4	279	26	35	0.10			68	14	8	2.1	59	18	<0.1	159
920099	NVICWOOD	01/23/92	10:05	6.5			491	52	84	0.22			110	21	14	3.4	68	38	0.2	281
920197	NVICWOOD	03/11/92	9:35	15.1	7.4	8.2	322	25	36	0.08			95	20	11	3.1				
920249	NVICWOOD	04/08/92	9:20	17.8	7.6	8.7	299	23	29	0.07			90	18	11	2.2				
920328	NVICWOOD	04/22/92	8:45	17.9	7.5	10.8	347	30	39	0.09			97	19	12	2.3	81	27	0.1	198
920348	NVICWOOD	05/05/92	8:25	22.0	7.8	8.4	413	36	52	0.11			109	22	13	3.				
920427	NVICWOOD	06/11/92	8:30	22.5	7.5	6.9	766	94	159	0.46			131	21	19	5.				
920520	NVICWOOD	07/09/92	8:20	24.0	7.5	7.1	738	94	158	0.52			122	19	18	4.7				
920601	NVICWOOD	07/22/92	8:05	23.5	7.5	7.6	765	99	172	0.56			126	19	19	5.1	64	36	0.1	404
920622	NVICWOOD	08/06/92	8:20	23.9	7.5	7.3	790	103	181	0.57			130	19	20	5.1				
920701	NVICWOOD	08/19/92	8:05	25.5	7.5	7.0	708	90	156	0.53			117	17	18	4.7	59	32	0.1	367
920723	NVICWOOD	09/03/92	8:05	21.9	7.3	7.4	812	107	191	0.61			125	17	20	5.4				
920861	NVICWOOD	10/07/92	8:30	20.4	7.7	7.9	761	102	166	0.59			132	18	21	4.9	72	38	0.1	398
920885	NVICWOOD	10/20/92	9:15	20.1	7.7	7.8	723	94	148	0.49			135	21	20	4.5				
930593	NVICWOOD	04/21/93	8:30	17.3	7.6	8.7	429	40	53	0.11			110	24	12	2.8	73	50	0.2	247
931743	NVICWOOD	10/20/93	8:41	18.0	7.3	7.5	279	26	36	0.10			68	14	8	2.1	59	18	<0.1	159
920103	OLDR-DMC-CLIFT	01/23/92	10:40	6.9			558	63	100	0.29			116	20	16	3.8	69	39	0.2	312
920201	OLDR-DMC-CLIFT	03/11/92	10:20	14.6	7.5	8.0	342	28	40	0.08			100	20	12	3.				
920253	OLDR-DMC-CLIFT	04/08/92	10:05	17.9	7.7	8.8	334	28	37	0.08			94	18	12	2.3				
920332	OLDR-DMC-CLIFT	04/22/92	9:30	18.3	7.6	10.5	409	38	51	0.11			108	20	14	2.5	84	38	0.2	231
920352	OLDR-DMC-CLIFT	05/05/92	9:05	22.4	7.9	8.7	394	36	48	0.10			104	20	13	2.8				
920431	OLDR-DMC-CLIFT	06/11/92	9:05	21.9	7.6	7.3	689	81	132	0.39			129	22	18	4.2				
920524	OLDR-DMC-CLIFT	07/09/92	9:20	23.9	7.7	7.4	767	91	148	0.48			152	28	20	4.2				
920605	OLDR-DMC-CLIFT	07/22/92	8:50	22.7	7.4	7.5	798	96	162	0.50			149	25	21	4.7	78	54	0.2	435
920626	OLDR-DMC-CLIFT	08/06/92	9:20	22.9	7.8	7.4	925	110	181	0.56			188	34	25	4.9				
920705	OLDR-DMC-CLIFT	08/19/92	8:50	26.0	7.3	6.3	682	83	140	0.45			127	21	18	4.3	86	39	0.2	363
920727	OLDR-DMC-CLIFT	09/03/92	8:45	21.6	7.9	7.4	966	109	153	0.50			232	47	28	5.1				
920865	OLDR-DMC-CLIFT	10/07/92	9:10	20.6	7.5	7.5	664	84	132	0.42			124	20	18	4.1	76	40	0.1	351
931022	PESCADER001	07/07/93	7:40	22.3	7.1	5.2	1420	158	239	0.71			360	80	39	3.9	158	204	0.9	855
931369	PESCADER001	08/31/93	9:55	21.0	7.5	6.5	904	95	132	0.38			221	49	24	4.4	125	120	0.6	533
931693	PESCADER001	10/19/93	7:20	14.7	7.3	8.1	748	71	117	0.33			194	43	21	2.	102	81	0.4	444

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MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<----------				mg/L			---------->
920052	PESCADER002	01/22/92	10:00	11.7	7.6	8.9	2580	220	551	1.59			828	170	98	10.	237	278	0.6	1470
920471	PESCADER002	06/17/92	8:43	21.4	8.0	8.2	1880	191	300	0.95			408	81	50	6.7	189	228	1.1	1030
920552	PESCADER002	07/21/92	8:10	20.7	7.6	8.5	1830	208	321	1.00			488	97	55	5.6	208	232	1.1	1110
920653	PESCADER002	08/18/92	7:40	21.0	7.4	6.8	1940	218	352	1.04			505	100	62	6.3	210	236	1.1	1150
920812	PESCADER002	10/06/92	8:45	17.9	7.2	7.3	1380	153	239	0.75			343	70	41	5.8	174	156	0.9	794
930031	PESCADER002	01/12/93	10:20	6.8	7.4	10.8	2510	265	373	0.98			694	146	80	7.	248	446	1.5	1590
930542	PESCADER002	04/20/93	8:20	17.6	8.0		2850	309	544	1.42			798	188	92	4.5	256	410	1.4	1820
930834	PESCADER002	06/16/93	8:10	20.3	7.4	7.2	2360	228	499	1.16			694	146	80	5.2	179	302	0.9	1360
931023	PESCADER002	07/07/93	7:25	22.0	7.0	4.1	1550	172	267	0.81			407	89	45	5.2	172	221	1.	942
931370	PESCADER002	08/31/93	10:25	22.5	7.6	6.8	1480	155	249	0.74			363	84	42	4.8	172	200	0.9	895
931694	PESCADER002	10/19/93	7:40	14.4	7.1	8.1	727	71	106	0.31			180	39	20	2.	99	80	0.4	424
920472	PESCADER003	06/17/92	8:27	21.1	7.6	6.7	1970	225	357	1.08			484	95	60	8.3	192	282	1.3	1190
920553	PESCADER003	07/21/92	7:55	19.8	7.6	7.1	1960	218	356	1.09			504	103	60	5.4	206	252	1.2	1180
920708	PESCADER003	08/18/92	7:25	21.0	7.5	6.4	2070	231	376	1.24			544	109	66	7.	216	265	1.2	1240
920813	PESCADER003	10/06/92	8:30	17.5	7.5	5.6	2430	259	461	1.38			707	143	85	5.4	256	296	1.3	1460
930032	PESCADER003	01/12/93	10:00	7.3	6.8	7.7	2650	221	580	0.99			840	178	98	10.	184	315	0.5	1500
930543	PESCADER003	04/20/93	8:05	16.5	7.4		3420	389	648	1.82			942	196	110	5.4	291	544	1.9	2230
930835	PESCADER003	06/16/93	8:40	20.2	7.3	7.1	1740	190	300	0.62			452	97	51	6.9	195	246	1.1	1040
931024	PESCADER003	07/07/93	7:10	21.5	7.0	4.6	1560	171	267	0.79			405	88	45	5.	174	228	1.	959
931371	PESCADER003	08/31/93	10:55	22.7	7.7	8.3	1610	171	285	0.81			435	95	48	5.	176	208	0.9	963
931695	PESCADER003	10/19/93	8:00	13.0	7.2	7.6	2660	246	576	1.71			813	169	95	3.5	222	300	0.7	1560
920283	PESCADER004	04/21/92	8:30	16.0	7.6	7.5	3210	363	695	1.84			815	155	104	5.1	219	470	1.3	990
920038	RINDGEPP02	01/21/92	8:00	9.2	6.3	3.9	1010	86	145	0.48			319	70	35	3.7	133	152	0.4	684
920267	RINDGEPP02	04/20/92	9:36	18.7	7.0	7.5	634	52	96	0.30			193	41	22	2.6	121	40	0.2	387
920457	RINDGEPP02	06/16/92	7:58	17.6	6.7	5.1	840	76	148	0.46			233	54	24	2.9	74	105	0.3	535
920538	RINDGEPP02	07/20/92	9:00	21.3	6.9	4.7	693	61	116	0.43			198	43	22	2.6	105	52	0.3	420
920640	RINDGEPP02	08/17/92	8:30	23.4	6.9	4.0	824	73	148	0.62			241	52	27	2.5	125	55	0.3	509
920799	RINDGEPP02	10/05/92	9:10	18.3	8.1	6.5	663	55	98	0.38			211	45	24	2.1	158	24	0.2	398
930018	RINDGEPP02	01/11/93	10:00	7.8	7.4	4.9	600	53	83	0.30			173	38	19	4.8	108	51	0.2	376
930508	RINDGEPP02	04/19/93	8:58	15.9	7.5	7.8	1130	95	202	0.71			342	76	37	2.	176	89	0.2	700
930823	RINDGEPP02	06/15/93	7:58	20.1	7.4	7.0	512	46	70	0.24			151	34	16	1.8	130	26	0.2	306
931357	RINDGEPP02	08/30/93	8:30	21.3	6.8	3.9	291	27	28	0.10			87	20	9	1.1	73	29	0.2	202
931681	RINDGEPP02	10/18/93	7:00	16.5	7.2	4.0	633	46	97	0.42			197	44	21	4.2		28	0.2	372
920097	ROCKSL	01/23/92	9:20	6.6			792	102	176	0.50			130	19	20	5.4	68	39	0.2	439
920195	ROCKSL	03/11/92	8:55	14.9	7.6	8.9	318	26	36	0.08			90	18	11	2.7				
920247	ROCKSL	04/08/92	8:40	17.6	7.8	9.0	334	29	37	0.09			94	18	12	2.4				
920326	ROCKSL	04/22/92	8:05	17.5	7.7	10.7	330	28	36	0.08			94	18	12	2.3	81	24	0.1	186
920346	ROCKSL	05/05/92	7:50	21.6	8.8	10.0	337	31	40	0.10			94	18	12	2.4				
920425	ROCKSL	06/11/92	7:35	20.5	7.7	7.6	947	127	217	0.62			147	21	23	5.9				
920518	ROCKSL	07/09/92	7:45	23.5	7.8	7.5	812	108	184	0.63			127	18	20	5.2				
920599	ROCKSL	07/22/92	7:35	23.9	7.5	7.5	899	121	214	0.73			136	18	22	5.8	61	38	0.1	464
920620	ROCKSL	08/06/92	7:40	22.6	7.4	7.3	878	120	211	0.69			127	18	20	5.8				
920699	ROCKSL	08/19/92	7:35	24.9	7.4	7.4	901	121	212	0.72			133	17	22	6.	57	38	0.1	473
920721	ROCKSL	09/03/92	7:25	21.2	7.5	7.7	933	129	224	0.80			137	17	23	6.1				

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MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<——				mg/L			——>
920859	ROCKSL	10/07/92	7:50	20.2	7.7	8.2	849	117	195	0.70			136	18	22	5.2	72	36	0.1	441
920883	ROCKSL	10/20/92	8:21	19.4	7.9	7.9	811	108	178	0.62			134	19	21	5.				
920193	SANDMOUND	03/11/92	8:40	14.6	7.7	9.2	304	25	33	0.07			90	18	11	2.6				
920245	SANDMOUND	04/08/92	8:15	17.0	7.9	9.0	328	28	36	0.09			94	18	12	2.3				
920319	SANDMOUND	04/22/92	7:30	16.5	7.3	11.1	315	26	33	0.07			92	17	12	2.2	82	22	0.1	178
920322	SANDMOUND	04/22/92	7:30	16.5	7.3	11.1	316	26	33	0.08			92	17	12	2.1	81	22	0.1	180
920344	SANDMOUND	05/05/92	7:25	20.5	8.5	9.5	348	32	43	0.11			92	17	12	2.4				
920423	SANDMOUND	06/11/92	7:15	20.5	7.8	7.9	924	124	213	0.59			145	20	23	5.9				
920516	SANDMOUND	07/09/92	7:25	23.4	7.8	7.7	764	103	172	0.57			123	18	19	4.9				
920595	SANDMOUND	07/22/92	7:10	23.6	7.5	7.8	874	118	207	0.66			132	18	21	5.6	59	36	0.1	454
920618	SANDMOUND	08/06/92	7:15	22.4	7.5	7.5	819	99	195	0.56			121	17	19	5.				
920697	SANDMOUND	08/19/92	7:10	23.4	7.5	7.7	935	130	222	0.73			137	17	23	6.3	56	39	0.1	481
920719	SANDMOUND	09/03/92	7:10	20.6	7.9	7.7	827	110	194	0.64			122	16	20	5.6				
920857	SANDMOUND	10/07/92	7:30	19.1	7.7	8.2	751	102	166	0.58			114	19	16	3.6	72	36	0.1	388
920881	SANDMOUND	10/20/92	8:03	19.3	8.0	8.0	744	97	161	0.56			127	18	20	4.6				
930133	SANDMOUND	01/27/93	9:05	9.8	7.5	9.8	289	22	30	0.07			86	18	10	3.6				
930386	SANDMOUND	03/23/93	10:35	16.7	7.8	8.5	290	21	27	0.07			92	19	11	2.2				
930589	SANDMOUND	04/21/93	7:25	15.9	7.7	9.5	208	14	17	0.04			64	14	7	1.6	56	17	<0.1	125
931070	SANDMOUND	07/08/93	7:31	21.8	7.8	8.7	147	11	10	0.13			46	10	5	1.2	45	8	<0.1	85
931417	SANDMOUND	09/01/93	7:20	21.9	7.6	7.8	224	22	30	0.09			56	11	7	1.6	49	13	<0.1	127
931739	SANDMOUND	10/20/93	7:42	17.7	7.3	8.4	423	52	78	0.28			80	14	11	2.7	59	18	<0.1	229
920098	SANTAFEBACON	01/23/92	9:55	6.5			468	50	80	0.20			105	19	14	3.4	69	32	0.1	264
920196	SANTAFEBACON	03/11/92	9:20	14.8	7.5	8.0	298	22	31	0.06			90	18	11	2.9				
920248	SANTAFEBACON	04/08/92	9:05	17.8	7.7	8.8	288	22	27	0.06			90	18	11	2.2				
920327	SANTAFEBACON	04/22/92	8:30	18.4	7.6	10.1	325	27	35	0.08			94	18	12	2.3	79	25	0.1	186
920347	SANTAFEBACON	05/05/92	8:15	21.7	8.1	8.9	394	36	48	0.10			104	20	13	2.8				
920426	SANTAFEBACON	06/11/92	7:55	21.8	7.7	7.3	855	110	187	0.54			73	21	5	5.5				
920519	SANTAFEBACON	07/09/92	8:05	23.9	7.5	7.3	737	94	160	0.52			122	19	18	4.7				
920600	SANTAFEBACON	07/22/92	7:50	23.7	7.5	7.5	768	100	171	0.57			126	19	19	5.	64	37	0.1	408
920621	SANTAFEBACON	08/06/92	8:10	24.0	7.7	7.2	790	104	183	0.60			127	18	20	5.1				
920700	SANTAFEBACON	08/19/92	7:55	25.5	7.3	6.9	775	99	175	0.56			121	17	19	5.1	59	33	0.1	399
920722	SANTAFEBACON	09/03/92	7:55	21.9	7.5	7.4	833	111	194	0.62			132	18	21	5.5				
920860	SANTAFEBACON	10/07/92	8:15	20.3	7.7	8.0	793	107	176	0.64			136	18	22	5.2	73	38	0.1	414
920884	SANTAFEBACON	10/20/92	8:44	19.9	7.9	7.8	743	97	156	0.53			132	20	20	4.7				
930592	SANTAFEBACON	04/21/93	8:10	16.5	7.8	8.7	360	33	41	0.09			94	21	10	2.5	68	40	0.2	208
931742	SANTAFEBACON	10/20/93	8:30	17.9	7.4	7.6	300	30	43	0.13			72	14	9	2.7	58	17	<0.1	167
931227	SJRBLINDPT	07/27/93	12:00	21.7					47	0.14										
931237	SJRBLINDPT	07/27/93	22:00	21.1					126	0.40										
920091	SJRJERSEY	01/23/92	8:00	6.0	7.7	11.0	2140	316	577	1.61			265	27	48	18.	72	88	0.2	1150
920191	SJRJERSEY	03/11/92	8:00	14.7	7.6	8.2	404	41	61	0.15			96	17	13	3.2				
920243	SJRJERSEY	04/08/92	7:50	16.9	7.5	8.7	640	77	118	0.36			122	19	18	4.3				
920320	SJRJERSEY	04/22/92	7:00	17.3	8.0	11.0	448	47	67	0.18			107	18	15	3.1	85	28	0.1	248
920342	SJRJERSEY	05/05/92	6:50	20.5	7.8	8.7	1840	263	468	0.92			477	51	85	12.				
920421	SJRJERSEY	06/11/92	6:45	20.1	7.9	8.1	1390	196	344	0.84			180	21	31	8.7				

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MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<--------				mg/L			-------->
920514	SJRJERSEY	07/09/92	6:50	22.3	7.6	7.9	1130	183	279	1.02			155	19	26	7.5				
920593	SJRJERSEY	07/22/92	6:40	21.3	7.4	8.5	1210	176	301	1.04			163	19	28	8.1	58	50	0.1	628
920616	SJRJERSEY	08/06/92	6:40	21.4	7.6	7.9	1010	146	249	0.82			144	18	24	7.				
920695	SJRJERSEY	08/19/92	6:45	23.0	7.3	6.3	1520	216	368	1.20			190	20	34	9.5	56	62	0.2	772
920717	SJRJERSEY	09/03/92	6:40	20.3	7.6	8.6	1180	162	291	1.10			160	18	28	7.7				
920855	SJRJERSEY	10/07/92	6:50	20.2	7.6	8.2	1370	219	348	1.22			189	21	33	8.6	71	58	0.2	707
920879	SJRJERSEY	10/20/92	7:35	18.4	8.5	8.3	990	142	236	0.84			151	19	25	6.1				
920698	STATION04B	08/19/92	7:25	23.4	7.4	7.5	915	123	218	0.73			133	17	22	6.	57	38	0.1	481
920720	STATION04B	09/03/92	7:15	21.1	7.5	7.7	930	129	222	0.80			140	18	23	6.1				
920858	STATION04B	10/07/92	7:45	20.2	7.7	8.2	835	117	190	0.68			133	17	22	4.7	72	40	0.1	436
920882	STATION04B	10/20/92	8:13	19.6	7.8	7.8	786	100	164	0.60			130	19	20	4.9				
930134	STATION04B	01/27/93	8:46	9.7	7.4	9.6	302	23	31	0.07			86	18	10	3.7				
930387	STATION04B	03/23/93	10:15	16.6	7.7	8.5	288	21	27	0.07			92	19	11	2.2				
930590	STATION04B	04/21/93	7:35	16.2	7.8	9.5	212	15	18	0.04			66	15	7	1.7	57	18	<0.1	128
931071	STATION04B	07/08/93	7:16	22.8	7.8	8.4	148	10	10	0.03			46	10	5	1.2	46	8	<0.1	84
931418	STATION04B	09/01/93	7:00	21.9	7.4	7.6	212	21	27	0.08			52	11	6	1.5	50	12	<0.1	122
931740	STATION04B	10/20/93	7:56	17.8	7.4	8.4	436	51	81	0.27			80	14	11	2.8	60	19	<0.1	236
920100	STATION09	01/23/92	10:10	6.5			680	82	138	0.41			124	20	18	4.6	68	41	0.2	376
920198	STATION09	03/11/92	9:45	15.1	7.4	8.5	319	26	37	0.08			90	18	11	2.8				
920250	STATION09	04/08/92	9:30	18.5	7.7	8.9	315	26	33	0.07			94	18	12	2.3				
920329	STATION09	04/22/92	8:55	18.6	7.6	10.7	364	32	43	0.09			101	19	13	2.4	83	30	0.2	207
920349	STATION09	05/05/92	8:35	22.0	8.5	9.8	352	31	41	0.09			94	18	12	2.5				
920428	STATION09	06/11/92	8:40	21.8	7.5	7.4	780	96	162	0.47			135	21	20	4.9				
920521	STATION09	07/09/92	8:30	24.0	7.8	7.2	713	90	148	0.48			124	20	18	4.4				
920602	STATION09	07/22/92	8:15	23.5	7.5	7.8	764	98	167	0.54			128	20	19	4.9	67	39	0.2	411
920623	STATION09	08/06/92	8:30	23.8	7.6	7.3	773	98	174	0.55			126	19	19	5.				
920702	STATION09	08/19/92	8:15	25.9	7.3	6.8	780	100	174	0.60			123	18	19	5.	60	36	0.2	411
920724	STATION09	09/03/92	8:10	21.9	7.4	7.4	810	107	186	0.61			127	18	20	5.3				
920862	STATION09	10/07/92	8:35	20.6	7.6	7.9	771	104	171	0.55			127	18	20	4.7	73	39	0.1	406
920886	STATION09	10/20/92	9:29	19.9	7.7	7.9	708	89	142	0.47			131	21	19	4.4				
930138	STATION09	01/27/93	10:25	10.6	7.3	9.3	365	28	42	0.10			98	21	11	4.4				
930243	STATION09	02/18/93	10:05	11.3	7.7		354	28	39	0.09			105	22	12	2.8				
930391	STATION09	03/23/93	12:10	17.3	7.6	8.7	357	29	38	0.10			105	22	12	2.6				
930594	STATION09	04/21/93	8:50	17.0	7.1	9.0	318	28	36	0.08			88	19	10	21.	64	32	0.2	185
931075	STATION09	07/08/93	8:42	24.1	7.5	7.9	169	13	13	0.04			52	11	6	1.2	48	12	<0.1	92
931422	STATION09	09/01/93	8:35	23.1	7.4	7.2	187	16	19	0.06			52	11	6	1.4	50	11	<0.1	110
931744	STATION09	10/20/93	8:52	18.1	7.3	8.0	389	43	65	0.20			76	14	10	2.3	63	19	0.1	213
920077	TURNERCUT	01/23/92	13:05	7.6	7.2	10.4	441	42	63	0.17			109	22	13	3.1	74	38	0.2	258
920306	TURNERCUT	04/22/92	11:20	18.6	7.4	7.1	597	61	92	0.16			141	30	16	5.1	78	57	0.2	338
920578	TURNERCUT	07/22/92	12:00	25.8	7.3	6.9	475	52	81	0.31			110	21	14	3.1	65	34	0.1	266
920679	TURNERCUT	08/19/92	11:20	27.5	7.0	7.2	429	46	72	0.23			94	18	12	3.	62	26	0.1	230
920839	TURNERCUT	10/07/92	11:35	22.4	7.5	7.0	684	76	118	0.36			153	30	19	5.6	84	58	0.2	377
930058	TURNERCUT	01/13/93	12:05	9.6	7.1	9.6	562	56	84	0.21			125	27	14	5.7	64	58	0.2	322
930569	TURNERCUT	04/21/93	12:12	18.8	7.5	6.6	791	89	114	0.29			187	40	21	3.9	98	109	0.4	464

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MINERAL DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	pH	DO mg/L	EC uS/cm	Na mg/L	Cl mg/L	Br mg/L	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	B	TDS
													<—mg/L—>							
931050	TURNERCUT	07/08/93	11:00	25.0	7.4	7.6	240	21	25	0.07			70	15	8	1.7	51	21	0.1	136
931397	TURNERCUT	09/01/93	13:35	25.6	7.0	7.7	248	22	29	0.08			66	15	7	1.8	58	19	<0.1	142
931719	TURNERCUT	10/20/93	13:15	19.3	7.3	7.7	344	35	46	0.12			76	17	8	3.1	55	32	0.1	199
920059	UPJONESPP02	01/22/92	8:50	8.0	6.5	8.8	1070	116	178	0.39			257	55	29	3.6	112	137	0.3	660
920288	UPJONESPP02	04/21/92	8:45	17.2	7.5	4.3	790	84	135	0.24			179	37	21	4.2	106	75	0.3	473
920479	UPJONESPP02	06/18/92	7:08	19.4	6.9	4.4	780	88	136	0.40			167	34	20	2.6	91	69	0.3	431
920560	UPJONESPP02	07/21/92	7:30	21.4	6.3	3.4	716	85	132	0.38			147	29	18	5.9	90	51	0.2	415
920661	UPJONESPP02	08/18/92	11:15	22.9	6.6	3.6	645	75	120	0.38			133	25	17	4.5	80	39	0.2	362
920821	UPJONESPP02	10/06/92	7:10	17.1	6.7	3.0	713	79	121	0.35			144	33	15	4.3	92	56	0.3	406
930040	UPJONESPP02	01/12/93	9:25	9.3	6.8	6.9	1270	123	197	0.39			349	79	37	5.3	77	211	0.3	793
930551	UPJONESPP02	04/22/93	9:17	17.2	7.2	5.7	915	104	149	0.32			223	48	25	3.4	111	102	0.3	541
930843	UPJONESPP02	06/17/93	7:41	20.6	7.0	4.4	466	50	65	0.15			110	24	12	2.1	91	45	0.2	260
920529	WEB802	07/20/92	10:30	20.3	6.8	4.7	1440	122	223	0.60			449	99	49	8.4	75	302	0.3	984
920790	WEB802	10/05/92	9:24	19.2	6.7	2.9	1530	138	239	0.76			496	103	58	7.7	111	291	0.4	1020
930009	WEB802	01/11/93	11:20	11.8	6.5	2.5	1360	118	202	0.59			421	88	49	6.1	85	265	0.3	917
930499	WEB802	04/19/93	13:05	19.6	6.6	8.4	1290	122	208	0.60			393	85	44	3.8	85	233	0.2	885
920058	WOODWARDPP	01/22/92	8:21	9.1	6.2	7.3	988	99	171	0.36			247	53	28	4.1	47	145	0.4	630
920287	WOODWARDPP	04/21/92	8:10	16.4	6.9	7.2	530	56	92	0.24			118	24	14	2.3	82	33	0.2	313
920478	WOODWARDPP	06/18/92	6:30	18.8	6.9	5.9	599	67	109	0.35			131	28	16	2.7	74	43	0.2	343
930039	WOODWARDPP	01/12/93	8:30	10.3	6.8	7.2	1100	98	148	0.31			324	72	35	3.2	52	219	0.3	705
930550	WOODWARDPP	04/22/93	8:45	15.9	7.3	7.4	657	67	101	0.28			162	35	18	2.3	83	72	0.2	390
930842	WOODWARDPP	06/17/93	7:11	19.2	6.7	6.3	512	57	88	0.22			114	24	13	2.3	98	36	0.2	286
931031	WOODWARDPP	07/07/93	9:05	21.9	6.7	4.8	477	54	76	0.26			118	24	14	2.4	70	42	0.2	285
931378	WOODWARDPP	08/31/93	6:54	18.1	6.7	3.7	508	54	67	0.20			123	26	14	2.1	76	62	0.3	316
931702	WOODWARDPP	10/19/93	7:11	13.6	6.4	5.6	420	48	61	0.20			86	18	10	2.5	78	28	0.2	255
920102	WSTCANCLIFT	01/23/92	10:35	6.8			578	66	105	0.31			116	20	16	3.9	69	38	0.2	322
920200	WSTCANCLIFT	03/11/92	10:10	15.6	7.5	8.0	344	29	42	0.09			97	19	12	3.				
920252	WSTCANCLIFT	04/08/92	10:00	18.2	7.7	8.7	327	28	35	0.08			94	18	12	2.3				
920331	WSTCANCLIFT	04/22/92	9:25	18.3	7.6	10.4	404	37	50	0.11			108	20	14	2.4	84	37	0.2	229
920351	WSTCANCLIFT	05/05/92	9:00	22.2	8.1	9.1	377	34	45	0.10			104	20	13	2.6				
920430	WSTCANCLIFT	06/11/92	9:00	31.9	7.6	7.4	699	84	131	0.38			129	22	18	4.2				
920523	WSTCANCLIFT	07/08/92	9:00	24.1	7.8	7.5	703	87	143	0.47			127	21	18	4.3				
920604	WSTCANCLIFT	07/22/92	8:45	23.1	7.5	7.5	753	94	160	0.48			231	21	19	4.6	70	44	0.2	411
920625	WSTCANCLIFT	08/06/92	9:05	22.9	7.6	7.3	816	101	170	0.52			158	27	22	4.8				
920704	WSTCANCLIFT	08/19/92	8:45	26.4	7.4	6.7	654	80	138	0.45			115	18	17	4.2	62	34	0.1	346
920726	WSTCANCLIFT	09/03/92	8:40	21.7	7.9	7.4	915	104	156	0.49			209	41	26	4.9				
920864	WSTCANCLIFT	10/07/92	9:05	20.6	7.6	7.8	646	83	126	0.42			122	19	18	4.1	73	36	0.1	341
920888	WSTCANCLIFT	10/20/92	11:07	20.0	7.6	7.6	755	92	145	0.47			152	26	21	4.2				
930140	WSTCANCLIFT	01/27/93	9:54	10.4	7.6	9.2	438	40	55	0.14			111	23	13	4.4				
930245	WSTCANCLIFT	02/18/93	9:35	11.2	7.6		403	33	48	0.12			114	24	13	3.4				
930393	WSTCANCLIFT	03/23/93	11:15	17.3	7.5	7.8	433	39	50	0.13			123	26	14	3.1				
931077	WSTCANCLIFT	07/08/93	8:15	24.6	7.5	7.6	188	15	16	0.05			54	12	6	1.4	49	14	<0.1	105
931424	WSTCANCLIFT	09/01/93	8:05	23.3	7.4	7.2	179	15	18	0.05			52	11	6	1.3	50	12	<0.1	104
931746	WSTCANCLIFT	10/20/93	9:15	18.1	7.3	7.8	356	38	59	0.18			72	14	9	2.3	60	19	<0.1	196

Note: < signifies reporting limits. Concentration of analyte below reporting limit.