PROJECT REPORT

OF THE

INTERAGENCY DELTA HEALTH

ASPECTS MONITORING PROGRAM

(MUNICIPAL WATER QUALITY

INVESTIGATIONS PROGRAM)

Summary of

Monitoring Results

January 1988 - December 1989

October 1990

State of California

The Resources Agency

Department of Water Resources

FOREWORD

The Department of Water Resources, in cooperation with other agencies, initiated the Interagency Delta Health Aspects Monitoring Program in 1983. This program is integral to meeting the Department's mission of water resource planning and protecting California's drinking water. The program was developed in response to recommendations by a scientific panel appointed by the Department Director to assess the quality of Delta water supplies as related to human health. The program currently focuses on trihalomethane precursors, pesticides, selenium, and sodium because of their potential effects on public health.

Through the guidance of the Technical Advisory Group representing participating water agencies, study priorities are determined and carried out by the Department. The Department of Health Services provides guidance on health-related issues and laboratory quality assurance. Future water quality monitoring will continue to respond to health-related concerns identified by the Technical Advisory Group.

This project report covers the 24-month period January, 1988 through December, 1989. Two reports covering the first five years of the program have been previously published. The first is titled The Delta As A Source of Drinking Water, Summary of Monitoring Results, 1983 to 1987, the second is titled Interagency Delta Health Aspects Monitoring Program, Project Report, 1983 to 1987. Copies of these reports can be ordered ($2 for summary report and $10 for project report) from:

State of California
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

Make checks payable to Department of Water Resources. California residents add sales tax.

For further information on the Delta Health Aspects Monitoring Program, contact Bruce Agee at the Division of Local Assistance, Department of Water Resources, at (916) 327-1677.

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ORGANIZATION

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INTRODUCTION

The Interagency Delta Health Aspects Monitoring Program (IDHAMP) began in 1983. Its purpose was to monitor water quality in the Delta as it relates to human health. Over the intervening years several water contaminants and pollutants have been monitored, including asbestos, salinity, selenium, pesticides, and trihalomethane precursors.

The program has been designed to provide long-term water quality data which may be used to characterize tendencies in water quality during a variety of water supply conditions ranging from drought to flooding. It has also been designed to be flexible enough to respond to new water quality concerns as they arise.

Recently, a related study of trihalomethane precursors in Delta island drains (Delta Islands Drainage Investigation) has been undertaken to determine the influence of Delta agricultural activities on Delta water quality.

This is the fourth project report of the Interagency Delta Health Aspects Monitoring Program and covers the period between January 1988 and December 1989.

SUMMARY

Dry year conditions persisted into calendar years 1988 and 1989 with low Sacramento and San Joaquin River flows to the Delta. Sacramento River flows at Freeport averaged less than 15,000 cubic feet per second (cfs) after January 1988 storms had passed and did not substantially increase until March 1989 to 43,000 cfs. San Joaquin River flows near Vernalis remained nearly constant at less than 2500 cfs during the 2 years. Net Delta outflows at Chipps Island (computed Delta Outflow using the DWR DAYFLOW model) were also low, particularly during both summers but peaked during the March 1989 rains.

Sodium concentrations at the intakes of the export pumps occasionally exceeded the 100 mg/L recommended limit for persons on limited sodium diets. Sodium concentrations exceeded 100 mg/L at the Banks Headworks on one sampling occasion (2/9/89 at 109 mg/L). Levels at the Rock Slough at Old River station exceeded 100 mg/L on 9 sampling occasions (July 1988 - March 1989 and December 1989). The increased sodium concentrations as well as chloride and EC increases are attributed to the low flow conditions and intrusion of sea water into the western Delta.

In summary, the data showed that during this drought period, the primary source of fresh water into the Delta has been the Sacramento River. San Joaquin River flows (downstream of Vernalis) into the Delta have been extremely low, and have been largely diverted to the DMC intake as seen by selenium monitoring studies under IDHAMP.

Total trihalomethane formation potential (TTHMFP) increased in the southwestern part of the Delta near the State and Federal water project intakes and at the Contra Costa Water District intake because of the low river flows and reverse flows in the western Delta. Brominated trihalomethane formation potential (TBFP) was also elevated at these stations, particularly during the summer, fall, and winter of 1988. TTHMFP and TBFP were higher at Rock Slough (CCWD) than at Banks.

Delta fields are usually flooded in December to remove accumulated salts from soils. December 1988 TTHMFP levels nearly doubled from November 1988 observations in the interior Delta. Increases were seen in samples taken from island farm drains, Delta channels, and pumping plant intakes. The elevated TTHMFP levels continued until March 1989 rains flushed them out of the Delta.

TTHMFP and TBFP concentrations fell at all southern Delta export stations after the March 1989 storm which significantly increased fresh water flows through the Delta. The major sources of brominated THM precursors are from sea water intrusion,

agricultural drain discharges into the Delta, and the San Joaquin River. There was no discernable change in brominated THM precursors near the North Bay Aqueduct intake during this period. Because of its uplands location, water of the North Bay Aqueduct is not influenced as much by sea water intrusion or the San Joaquin River as the western and southern Delta regions.

The impact of bromides on TTHMFP and TBFP is most evident at the Sacramento River at Mallard Island (MALLARDIS) station where the average and median TBFP is over 90% of the TTHMFP. This station is strongly influenced by seawater intrusion and, therefore, has water quality reflecting a fresh water-sea water mixture. At fresh water stations such as the American River, TBFP is very low with an average and median TBFP of about 5% of the TTHMFP. TBFP at the Banks Headworks was about 37% (average and median) of the TTHMFP. Rock Slough at Old River observations were averaging slightly higher at 44%.

Brominated THMs are quickly coming to the forefront of interest because their higher molecular weight increases THM concentrations in drinking water and may increase the risk of cancer. Bromides have not been measured by this program because the sophisticated equipment necessary for its measure was not available at Bryte Laboratory. However, as of January 1990, water samples are being shipped to a commercial laboratory in Colorado for bromide analyses until the Bryte Laboratory can perform such services.

A one-time sampling of storm water runoff on March 10, 1989 along Morrison Creek in Sacramento shows that urban storm runoff can have a TTHMFP nearly as high as seen in some agricultural drains. In fact the station with the highest measured TTHMFP was from the most urbanized area of those sampled. Samples taken from either side of Mather Air Force Base and the Sacramento Army Depot did not indicate any elevation in TTHMFP coming from these areas.

In July 1988, water from 30 Delta island drains were sampled for pesticide residues. Six pesticides were found above the analytical limit of detection in one or more of the drain water samples. The pesticides were atrazine, bentazon, carbaryl, methamidophos, ordram, and simazine. All detected pesticides were below current health advisory levels.

The measurements of the minor elements: barium, chromium, lithium, nickel, and copper in Delta water samples did not show them to be useful tracers of water sources and mixing in the Delta. Consequently, these elements are no longer monitored in this study.

New reports under IDHAMP will be combined with data from the Department's Delta Islands Drainage Investigation to provide a more comprehensive examination of overall Delta water quality as impacted by local drainage, sea water intrusion, and the San

Joaquin River. The combined effort is part of the new Municipal Water Quality Investigations Program under DWR's Division of Local Assistance. Sampling activities will continue to be conducted by DWR's Central District, Operations Branch, Water Quality Section. Program supervision and data analysis and interpretation will be conducted by the Division of Local Assistance. An enlarged board of advisors has been created for the combined activities.

PROGRAM DESCRIPTION

Monitoring Stations

The 19 IDHAMP monitoring stations that were monitored during the period of January 1988 through December 1989 are listed in Table 1 with their respective assigned program station number, location, and station name. Their official designated DWR station numbers are listed in the Appendix. Water development facilities and the locations of these stations are shown in Figure 1.

Table 1. Station List

Station Number	Location	Station Name
1	American River at Water Treatment Plant	AMERICAN
2	Sacramento River at Greene's Landing	GREENES
4	Lindsey Slough @ Hastings Cut	LINDSEY
5	Ag Drain on Grand Island	AGDGRAND
7	Little Connection Sl. @ Empire Tract	LCONNECT
8	Ag Drain on Empire Tract, W.end 8-Mi.Rd.	AGDEMPIRE
9	Rock Slough @ Old River	ROCKSL
10	Clifton Court Intake	CLIFTON
11	DMC Intake @ Lindemann Rd.	DMC
12	Delta P.P. Headworks	BANKS
13	Middle R. @ Borden Hwy. (Hwy 4)	MIDDLER
14	San Joaquin R. nr. Vernalis	VERNALIS
17	Sacramento River @ Mallard Island	MALLARDIS
18	North Bay Interim PP Intake	NOBAY
19	Barker Slough at Pumping Plant	BARKER
20	Natomas Main Drain	NATOMAS
75	San Joaquin R. @ Maze Rd. Bridge	MAZE
87	Barker Sl @ North Bay Pumping Plant	BARKERNOBAY
88	Sacramento River @ Rio Vista Bridge	SACRRIOVISTA or RIOVISTA

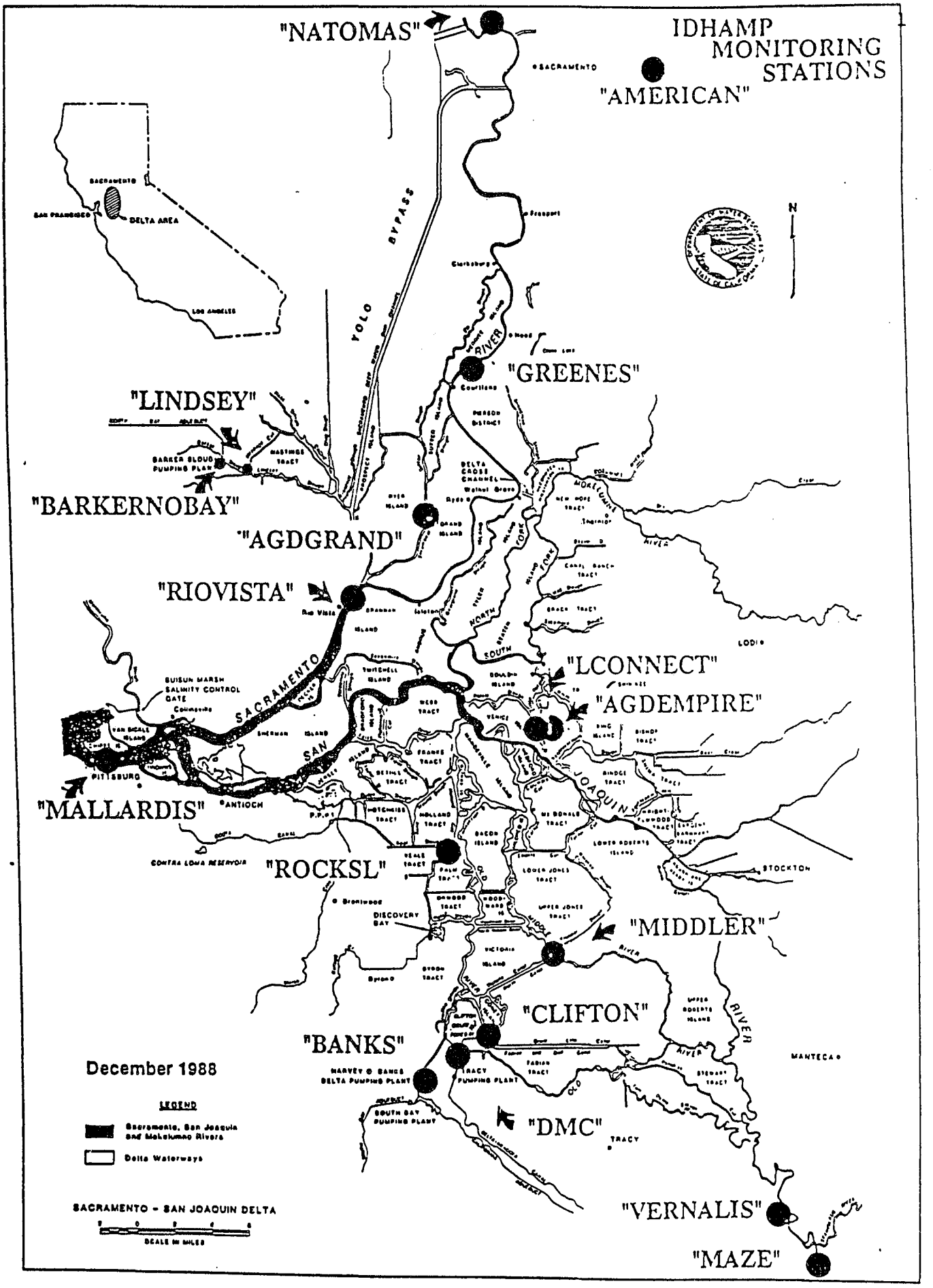


Figure 1. IDHAMP Monitoring Stations

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. This is especially useful for filling VOA (volatile organic analyses) vials for TTHMFP analysis. Before the bucket is used, it is washed in dish detergent and rinsed in tap water and air dried.

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

Pesticide samples were collected in one gallon glass bottles precleaned by the laboratory for analysis of extractables. Three gallons were collected at the sampled sites. Also, samples for VOA were collected in 40 ml. glass vials. Sample containers were completely filled to eliminate air space and air bubbles. The caps of the 40 ml. vials were fitted with Teflon® coated septa, as specified by the U.S. Environmental Protection Agency (EPA). Samples were kept on ice, or refrigerated and delivered to the laboratory within 24 hours of collection.

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

Analytical Methods

At the receiving laboratory, water samples for TTHMFP 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 7 days, the chlorine residual was determined. The residual chlorine was then quenched using sodium thiosulfate, and the sample was analyzed for THM by gas chromatograph purge and trap methodology in EPA Method 502.2. THM analyses were performed at DWR's Bryte Laboratory and by Enseco, Inc. (West Sacramento) under contract. Enseco Laboratory conducted THM analyses on samples which had been spiked and quenched by Bryte Laboratory when the Bryte Laboratory was unable to perform the work. At other times, the Bryte Laboratory spiked, quenched, and conducted the entire TTHMFP test.

Pesticide samples were analyzed by Enseco, Inc. using EPA Methods 601 (purgeable hydrocarbons), 602 (purgeable aromatics), 608 (organochlorine pesticides), 614 (organophosphorus pesticides), 624

(purgeable priority pollutants), 625 (base/neutrals and acids), 630 (dithiocarbamate pesticides), 632 (carbamate and urea pesticides).

Bryte Laboratory performed mineral, trace element, and nutrient analyses following EPA Method 600-4-79-020, Methods for Chemical Analysis of Water and Wastes (Revised March, 1983) and the U.S. Geological Survey's Methods for Determination of Inorganic Substances in Water and Fluvial Sediments. Further detail about laboratory methods used by Bryte Laboratory may be found in The Delta As A Source of Drinking Water, Monitoring Results 1983-1987, published by DWR.

MONITORING RESULTS

Dry water year conditions starting with Water Year 1987 (October 1, 1986) persisted into calendar years 1988 and 1989. The drought conditions enabled the study of water quality under dry weather hydrology. There were drinking water quality concerns regarding possible increases in sodium, TTHMFP, pesticides, and selenium concentrations due to the reduced river flows that provide dilution and exchanges of water in the interior Delta. This report summarizes the health related water quality observations at all IDHAMP stations with emphasis on water quality near major water supply intakes in the Delta. These include stations at:

(1) American River Water Treatment Plant intake that serves the City of Sacramento (station 1 AMERICAN);
(2) Lindsey (station 4 LINDSEY) and Barker (station 19 BARKER) sloughs at the North Bay Pumping Plant (station 18 NOBAY and station 87 BARKERNOBAY) that serves Solano and Napa counties;
(3) Rock Slough at Old River (station 9 ROCKSL), which is 4 miles east of the Contra Costa Water District intake;
(4) Harvey O. Banks Delta Pumping Plant Headworks (station 12 BANKS), which is the headworks of the State Water Project;
(5) and the DMC intake at Lindemann Road (station 11 DMC), which is upstream of the Tracy Pumping Plant for the Delta-Mendota Canal.

Delta Outflow and River Inflows

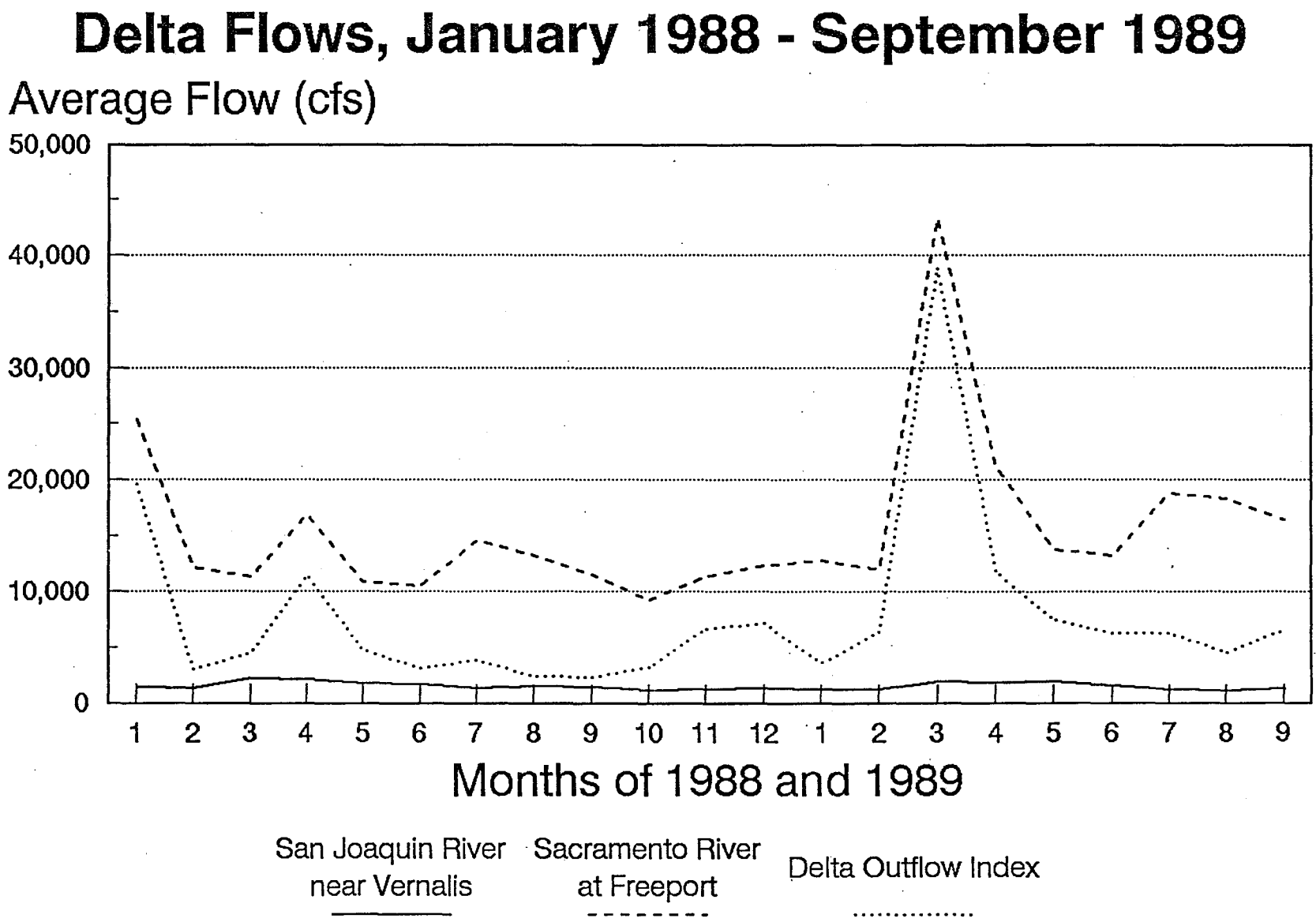
Dry year conditions persisted into calendar years 1988 and 1989 with low Sacramento and San Joaquin River flows to the Delta. Sacramento River flows at Freeport averaged less than 15,000 cfs after January 1988 storms had passed and did not substantially increase until March 1989 to 43,000 cfs. San Joaquin River flows near Vernalis remained nearly constant at less than 2500 cfs during the two years. Net Delta outflows at Chipps Island (computed Delta Outflow using DWR DAYFLOW model) were also low, particularly during both summers but peaked during the March 1989 rains. The monthly mean flows, as estimated by the Department's DAYFLOW computer model, are shown in Figure 2 for the 21-month period between January 1988 and September 1989. DAYFLOW data for the last three months of 1989 are not yet available and verified for use.

In summary, the data showed that during this drought period the primary source of fresh water into the Delta has been the Sacramento River. San Joaquin River flows into the Delta (downstream of the Vernalis station) have been extremely low and have been largely diverted to the DMC intake, as seen by selenium monitoring studies conducted under IDHAMP.

Flows at the Freeport and Vernalis stations are measured at USGS gauging stations. Net Delta outflow at Chipps Island is a computed estimate based on DAYFLOW model assumptions for precipitation runoff and consumptive use. Precipitation values are based on daily measurements at Stockton fire station No. 4. The model assumes that the entire Delta receives uniform rainfall, and that the runoff is evenly distributed over a period of 5 days beginning at the initial storm rainfall. Consumptive use estimates, also referred to as the Delta wide Gross Channel Depletion Estimate, are fixed average values assigned to each calendar month, regardless of meteorological or hydrological conditions. Therefore, the computed DAYFLOW net Delta outflow estimate is subject to the limitations of the model assumptions.

Electrical conductivity observations are summarized for the IDHAMP stations in Table 2 and Figure 3. Chloride concentrations are summarized in Table 3 and Figure 4.

Figure 2.



Reference: DWR DAYFLOW model database 7/90

Table 2. Electrical Conductivity Observations (µS/cm)
January 1988 - December 1989

Station No.	Samples	Average	Median	Low	High
AMERICAN 1	27	72	73	55	102
GREENES 2	30	171	168	110	226
LINDSEY 4	31	364	315	218	723
AGDGRAND 5	26	403	359	264	832
LCONNECT 7	28	216	216	130	386
AGDEMPIRE 8	33	1194	1010	346	2320
ROCKSL 9	25	652	711	194	1250
CLIFTON 10	23	526	565	231	844
DMC 11	36	524	563	263	883
BANKS 12	32	531	575	237	749
MIDDLER 13	49	385	401	199	663
VERNALIS 14	25	875	836	649	1320
MALLARDIS 17	23	8509	7930	764	16400
NOBAY 18	3	337	332	328	351
BARKER 19	9	479	539	241	673
NATOMAS 20	23	524	429	283	921
MAZE 75	21	1293	1320	915	1530
BARKERNOBAY 87	19	359	322	247	609
SACRRIOVISTA 88	16	191	188	120	264

Figure 3.

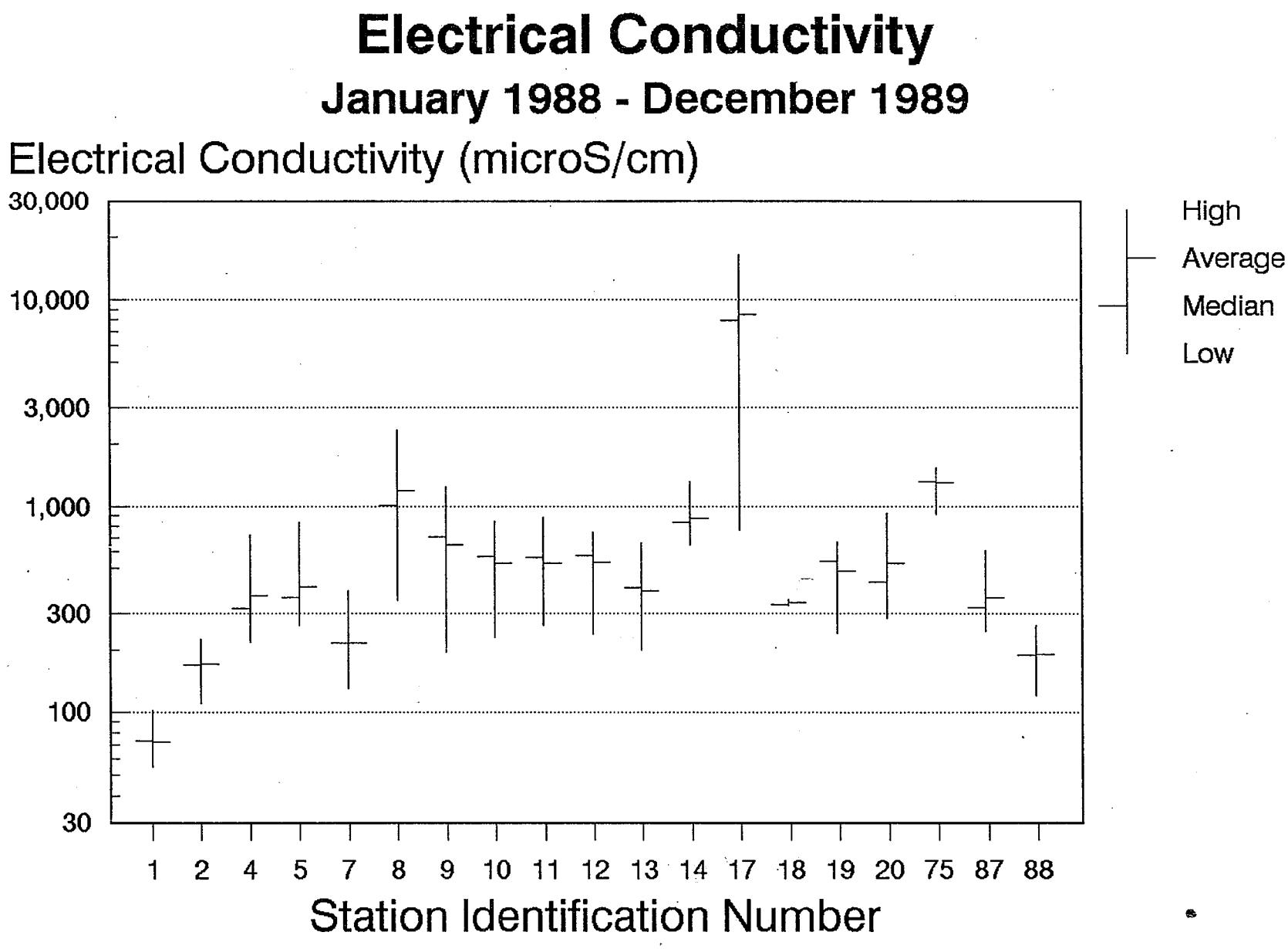
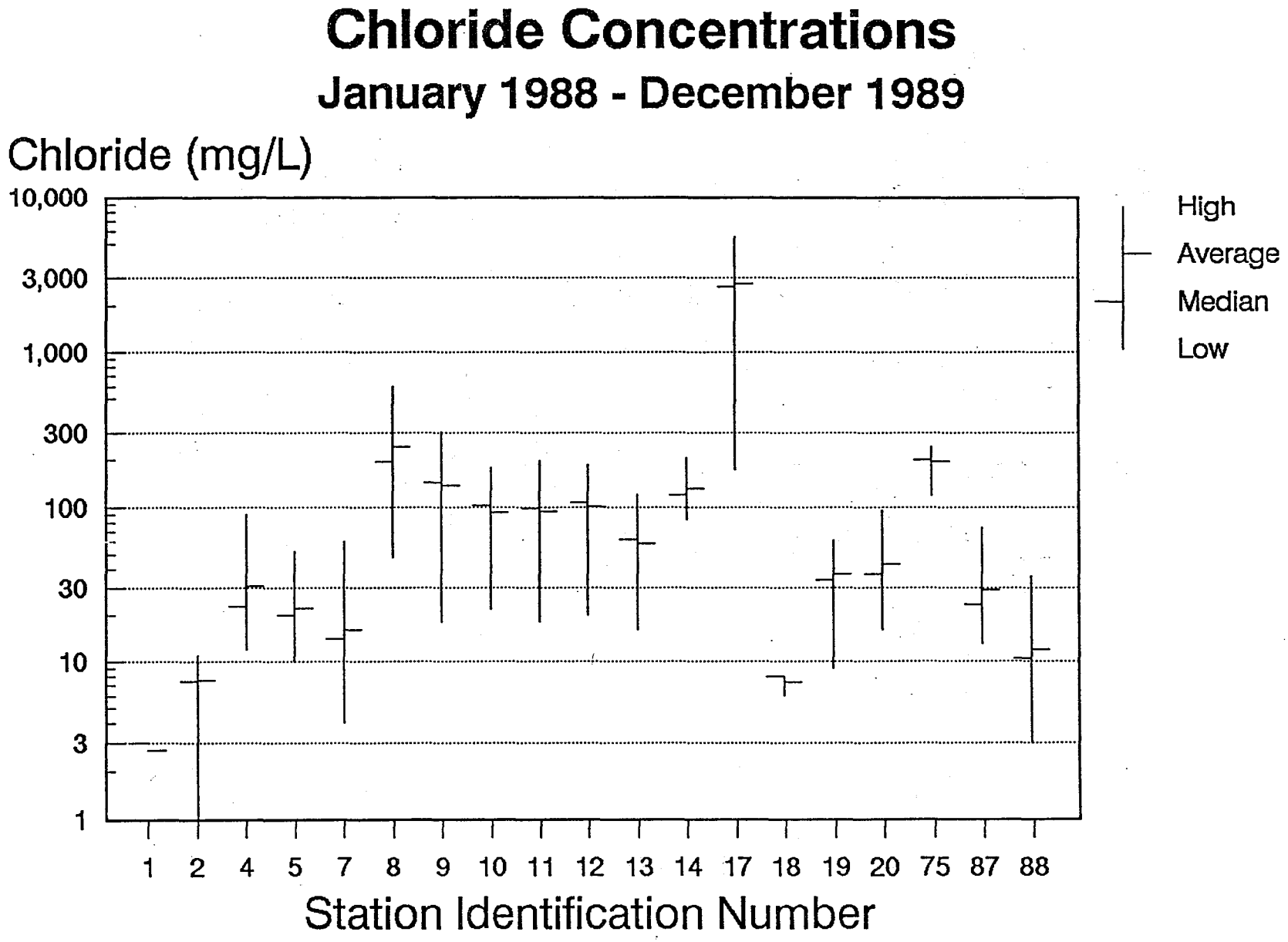

Electrical Conductivity
January 1988 - December 1989
Electrical Conductivity (microS/cm)
30,000
10,000
3,000
1,000
300
100
30
1 2 4 5 7 8 9 10 11 12 13 14 17 18 19 20 75 87 88
Station Identification Number
High
Average
Median
Low

Table 3. Chloride Observations (mg/L)
January 1988 - December 1989

Station No.	Samples	Average	Median	Low	High
AMERICAN 1	27	3	3	<1	4
GREENES 2	30	8	7.5	1	11
LINDSEY 4	30	31	23	12	89
AGDGRAND 5	25	22	20	10	52
LCONNECT 7	29	16	14	4	60
AGDEMPIRE 8	30	245	196	48	594
ROCKSL 9	25	137	144	18	303
CLIFTON 10	23	92	103	22	178
DMC 11	69	94	98	18	198
BANKS 12	69	102	107	20	186
MIDDLER 13	54	58	62.5	16	120
VERNALIS 14	68	131	120.5	83	206
MALLARDIS 17	24	2750	2645.5	173	5490
NOBAY 18	3	7	8	6	8
BARKER 19	9	37	34	9	61
NATOMAS 20	23	43	37	16	95
MAZE 75	35	196	200	118	244
BARKERNOBAY 87	18	29	23.5	13	74
SACRRIOVISTA 88	16	12	10.5	3	36

Figure 4.


Chloride Concentrations
January 1988 - December 1989
Chloride (mg/L)
10,000
3,000
1,000
300
100
30
10
3
1
1 2 4 5 7 8 9 10 11 12 13 14 17 18 19 20 75 87 88
Station Identification Number
High
Average
Median
Low

Sodium

High levels of sodium can harm crops, corrode pipes, and make water unpalatable to drink. Excess sodium in the diet can cause health problems for people with heart conditions and high blood pressure.

The National Academy of Sciences has two advisories for sodium: 20 mg/L for people on severely restricted sodium diets, and 100 mg/L for those on moderately restricted diets. There are no federal or State drinking water standards for sodium at this time. It is unlikely that EPA will set a sodium standard in the near future as they recently removed sodium from the Drinking Water Priority List. Currently, there is inconclusive evidence linking elevated blood pressure to sodium intake from drinking water; also most sodium intake comes from food.

Current EPA regulation requires all public water suppliers to monitor sodium in their drinking water and to report the levels to local authorities (40 CFR 141.41). When there is a high sodium condition, water suppliers must notify the State Department of Health Services, which in turn, coordinates with local health authorities to inform the public.

The major sources of sodium in the Delta are:

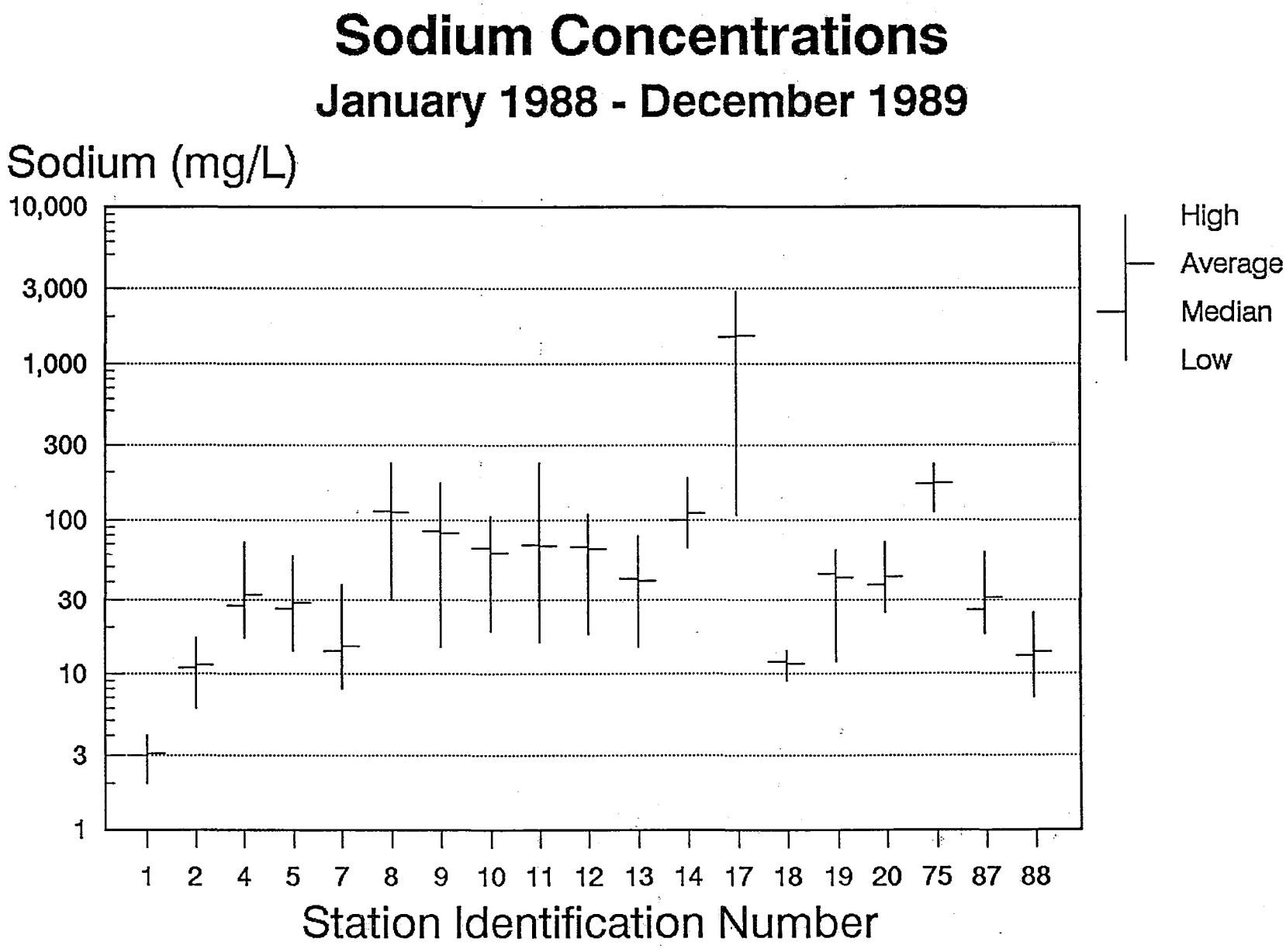
1. sea water intruding into the Delta,
2. Central Valley drainage discharged into the San Joaquin River, and
3. local Delta drainages containing elevated salt concentrations due to the evaporation of applied irrigation water.

Sodium concentrations at the IDHAMP stations are summarized in Table 4 and Figure 5. Sodium concentrations exceeded 100 mg/L at the Banks Headworks on one sampling occasion (2/9/89 at 109 mg/L). Levels at the Old River at Rock Slough station exceeded 100 mg/L on 9 sampling occasions (July 1988 - March 1989 and December 1989). The increased sodium concentrations, as well as chloride and EC increases are attributed to the low-flow conditions and intrusion of sea water into the western Delta as seen by increasing sodium, chloride, and EC observations at the Sacramento River at Mallard Island station.

Table 4. Sodium Concentrations (mg/L)
January 1988 - December 1989

Station No.	Samples	Average	Median	Low	High
AMERICAN 1	27	3	3	2	4
GREENES 2	30	11	11	6	17
LINDSEY 4	30	33	28	17	72
AGDGRAND 5	24	29	27	14	59
LCONNECT 7	29	15	14	8	38
AGDEMPIRE 8	30	111	113	30	231
ROCKSL 9	25	83	84	15	172
CLIFTON 10	22	61	66	19	106
DMC 11	69	68	69	16	229
BANKS 12	69	65	67	18	109
MIDDLER 13	54	40	42	15	78
VERNALIS 14	68	111	100	66	184
MALLARDIS 17	24	1507	1490	107	2890
NOBAY 18	3	12	12	9	14
BARKER 19	9	42	45	12	64
NATOMAS 20	23	43	38	25	72
MAZE 75	36	170	169	111	225
BARKERNOBAY 87	18	32	26	18	62
SACRRIOVISTA 88	16	14	13	7	25

Figure 5.


Sodium Concentrations
January 1988 - December 1989
Sodium (mg/L)
10,000
3,000
1,000
300
100
30
10
3
1
1 2 4 5 7 8 9 10 11 12 13 14 17 18 19 20 75 87 88
Station Identification Number
High
Average
Median
Low

Trihalomethane Formation Potential

Disinfection of water supplies is a standard practice of water agencies distributing drinking water to the public. The addition of chlorine is a highly reliable and economical method of disinfection and is, therefore, widely used. During the chlorination process, chlorine reacts with certain complex organic compounds and bromide ions in the water to form disinfection byproduct compounds including trihalomethanes (THMs). One THM, chloroform, is classified as a carcinogen. The total THM levels in drinking water are regulated by the State and federal governments.

THMs typically found include four compounds: chloroform ($CHCl_3$), dichlorobromomethane ($CHCl_2Br$), dibromochloromethane ($CHClBr_2$), and bromoform ($CHBr_3$). Currently, the Maximum Contaminant Level for total THMs is 0.100 mg/L (equivalent to 100 μg/L or parts per billion) in treated water samples as a running annual average of quarterly samples taken from representative points in a drinking water distribution system. However, the EPA is currently reviewing a proposal to lower the MCL for THMs to as low as 0.025 mg/L (25 μg/L) in 1992.

Total THM formation potential (TTHMFP) has been measured as part of the Interagency Delta Health Aspects Monitoring Program since 1983 in order to better understand the sources and distribution of THM precursors in the Delta. The TTHMFP test is an assay designed to measure the maximum concentration of THMs that would be formed if chlorine dosage and reaction times were essentially unlimited. The purpose of the assay is to be able to compare untreated water supplies with respect to the capacity to form THMs.

Water samples are collected and initially spiked with a high dosage of chlorine (120 mg/L) to ensure a chlorine residual for a 7-day reaction (incubation) period, and to maximize conversion of THM precursor material in the samples to the four THM compounds. Standard EPA methodology is used to analyze the water after the incubation period. While the analytical procedures are consistent with EPA methods, they are not intended to simulate the chlorination practices at water treatment facilities.

There is no known direct relationship between the results of the TTHMPF assay and THM concentrations which might be expected from chlorination practices and THM control used by treatment plants. These practices vary from one purveyor to the next, so a comparison is not necessarily possible. However, it is generally true that the amount of THMs formed during normal disinfection is related to the amount of precursor materials available initially. Water supplies low in THM precursors are generally more easily and inexpensively treated to meet drinking water standards, and resulting THM concentrations are generally lower in drinking water produced than from sources containing higher levels of THM precursors.

The TTHMFP concentrations are summarized in Table 5 and Figure 6. The $CHCl_3$ (chloroform) formation potential concentrations are summarized in Table 6 and Figure 7.

Drainage samples from Empire Tract, Grand Island, and Natomas Main Drain continue to demonstrate high TTHMFP relative to non-drainage fresh water samples in the Delta. The chloroform formation potential indicates the capacity to form THMs not containing bromine. Water treatment plants can reduce chloroform formation much easier than THMs containing bromine (bromomethanes).

The TBFP (total bromomethane formation potential) concentrations and the percentage by weight (concentration) of TTHMFP as TBFP are summarized in Tables 7 and 8 and Figures 8 and 9. The TBFP data were computed by summing the total concentrations of the three brominated methane compounds. Bromomethanes are heavier in weight than chloroform because each bromine atom is more than twice the weight of a chlorine atom. Therefore, the concentrations by weight of bromomethane compounds are higher than for chloroform for the same number of molecules. The significance of this is that the drinking water standards for THMs are on a weight basis. Consequently, fewer molecules of brominated methanes are tolerable in meeting the standards.

Water treatment plants are concerned about the difficulties associated with reducing THMs when bromomethane formation is high. In view of the upcoming revised EPA THM drinking water standard, the presence and control of bromide in water is a major concern. The primary bromide source in the Delta is sea water.

The impact of bromides on TBFP and TTHMFP is most evident at the Sacramento River at Mallard Island (MALLARDIS) station where the average and median TBFP is over 90% of the TTHMFP. This station is strongly influenced by seawater intrusion and, therefore, has water quality reflecting a fresh water-sea water mixture. On the other hand, at fresh water stations such as the American River, TBFP is very low with an average and median TBFP of about 5%. TBFP at the Banks Headworks was about 37% (average and median) of the TTHMFP. Rock Slough at Old River observations were averaging slightly higher at 44%.

Table 5. TTHMFP concentrations (µg/L)
January 1988 - December 1989

Station No.	Samples	Average	Median	Low	High
AMERICAN 1	29	201	190	80	340
GREENES 2	33	255	230	110	730
LINDSEY 4	31	587	540	330	1600
AGDGRAND 5	45	1292	1200	710	2600
LCONNECT 7	30	455	400	230	1100
AGDEMPIRE 8	49	3206	3500	640	4700
ROCKSL 9	25	527	520	340	950
CLIFTON 10	23	524	520	390	940
DMC 11	36	510	495	250	780
BANKS 12	32	523	490	360	820
MIDDLER 13	55	507	450	270	920
VERNALIS 14	38	503	510	250	830
MALLARDIS 17	24	880	850	460	2200
NOBAY 18	3	340	3Mw	300	420
BARKER 19	9	952	1000	300	1400
NATOMAS 20	40	706	675	240	2400
MAZE 75	27	681	690	320	1100
BARKERNOBAY 87	18	565	565	390	800
SACRRIOVISTA 88	16	298	280	190	550

Figure 6.

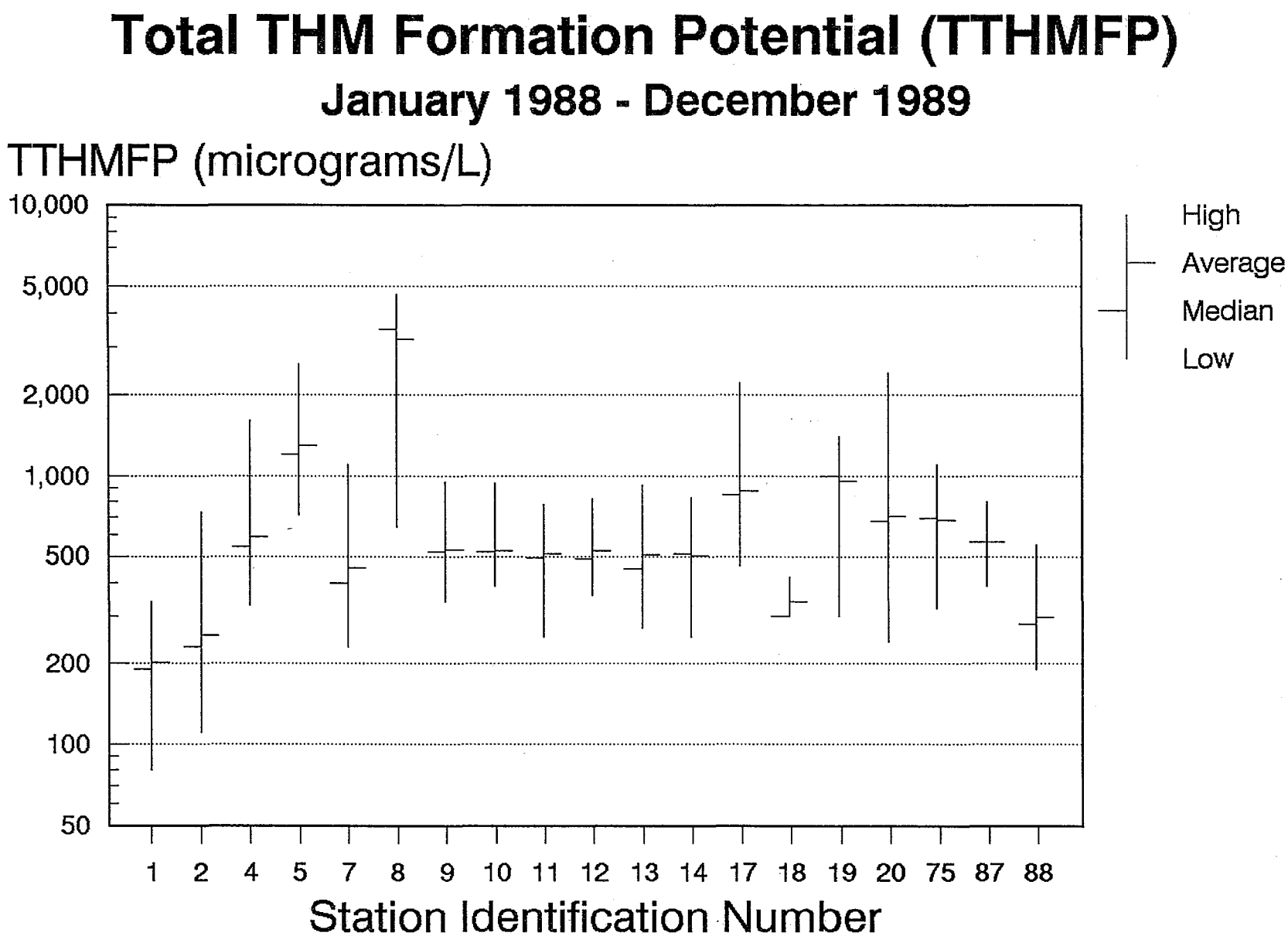

Total THM Formation Potential (TTHMFP)
January 1988 - December 1989
TTHMFP (micrograms/L)
10,000
5,000
2,000
1,000
500
200
100
50
1 2 4 5 7 8 9 10 11 12 13 14 17 18 19 20 75 87 88
Station Identification Number
High
Average
Median
Low

Table 6. Chloroform (CHCl3) Formation Potential (µg/L)
January 1988 - December 1989

Station No.	Samples	Average	Median	Low	High
AMERICAN 1	29	191	180	74	330
GREENES 2	33	237	210	96	710
LINDSEY 4	31	539	500	290	1500
AGDGRAND 5	45	1240	1100	670	2500
LCONNECT 7	30	416	380	190	1000
AGDEMPIRE 8	49	2694	2600	430	4500
ROCKSL 9	25	301	280	98	650
CLIFTON 10	23	349	320	150	720
DMC 11	36	348	330	180	730
BANKS 12	32	333	310	150	710
MIDDLER 13	55	389	360	200	760
VERNALIS 14	38	295	280	110	600
MALLARDIS 17	24	47	16	4	320
NOBAY 18	3	320	280	280	400
BARKER 19	9	890	920	280	1300
NATOMAS 20	40	634	625	150	2300
MAZE 75	27	357	310	120	650
BARKERNOBAY 87	18	516	530	350	750
SACRRIOVISTA 88	16	270	245	170	540

Figure 7.

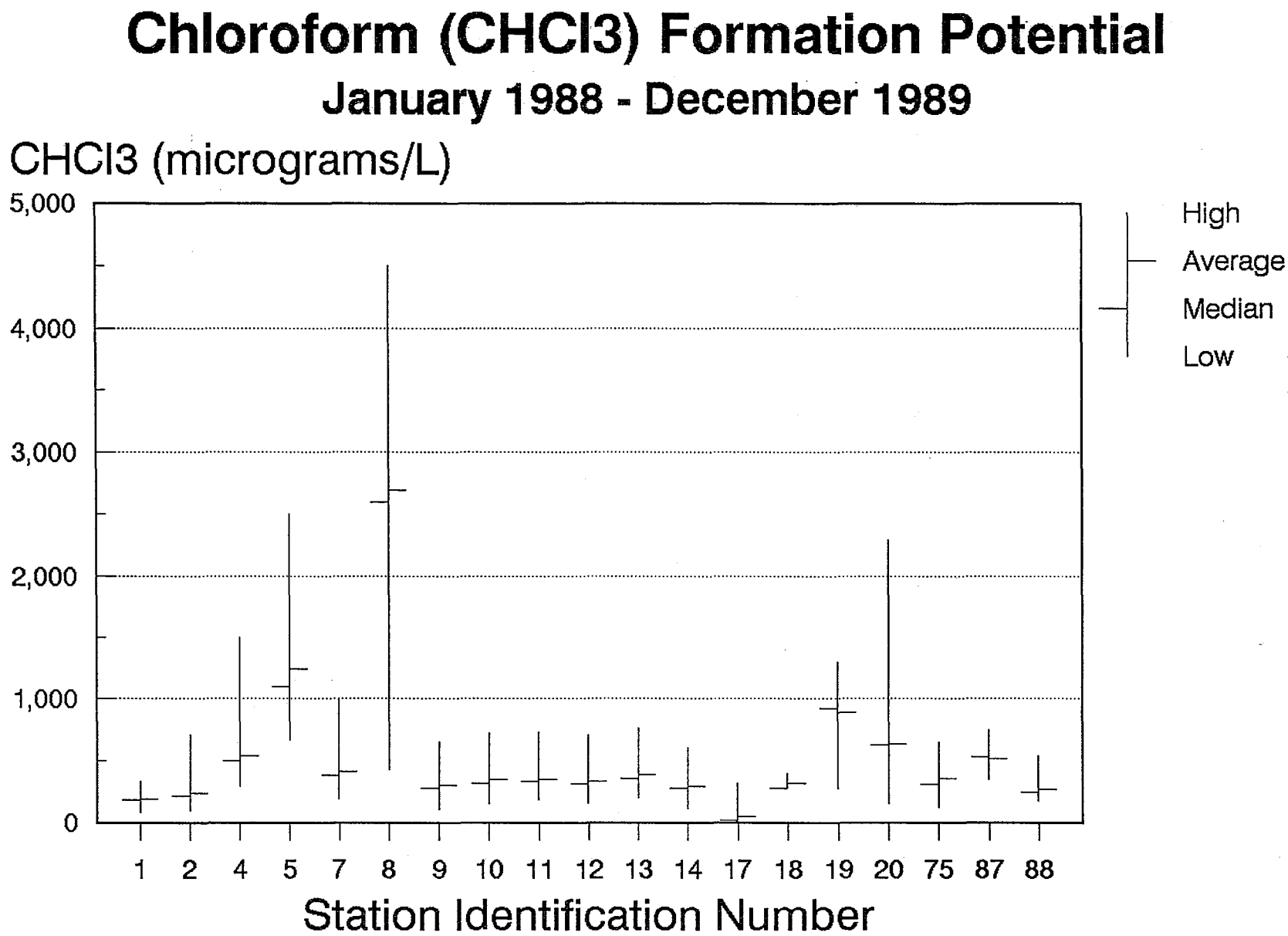

Chloroform (CHCl3) Formation Potential
January 1988 - December 1989
CHCl3 (micrograms/L)
5,000
4,000
3,000
2,000
1,000
0
1 2 4 5 7 8 9 10 11 12 13 14 17 18 19 20 75 87 88
Station Identification Number
High
Average
Median
Low

Table 7. Total Bromomethane Formation Potential (TBFP µg/L)
January 1988 - December 1989

Station No.	Samples	Average	Median	Low	High
AMERICAN 1	29	8	5	2	62
GREENES 2	33	15	14	6	62
LINDSEY 4	31	47	43	26	106
AGDGRAND 5	45	54	45	17	136
LCONNECT 7	30	36	33	16	93
AGDEMPIRE 8	49	511	338	76	1608
ROCKSL 9	25	227	241	42	537
CLIFTON 10	23	175	168	41	395
DMC 11	36	161	154	50	332
BANKS 12	32	190	197	49	379
MIDDLER 13	55	117	115	26	292
VERNALIS 14	38	207	213	138	294
MALLARDIS 17	24	833	841	323	2150
NOBAY 18	3	19	18	17	21
BARKER 19	9	58	60	14	106
NATOMAS 20	40	74	62	24	268
MAZE 75	27	322	309	184	474
BARKERNOBAY 87	18	47	46	29	78
SACRRIOVISTA 88	16	28	19	8	92

Figure 8.

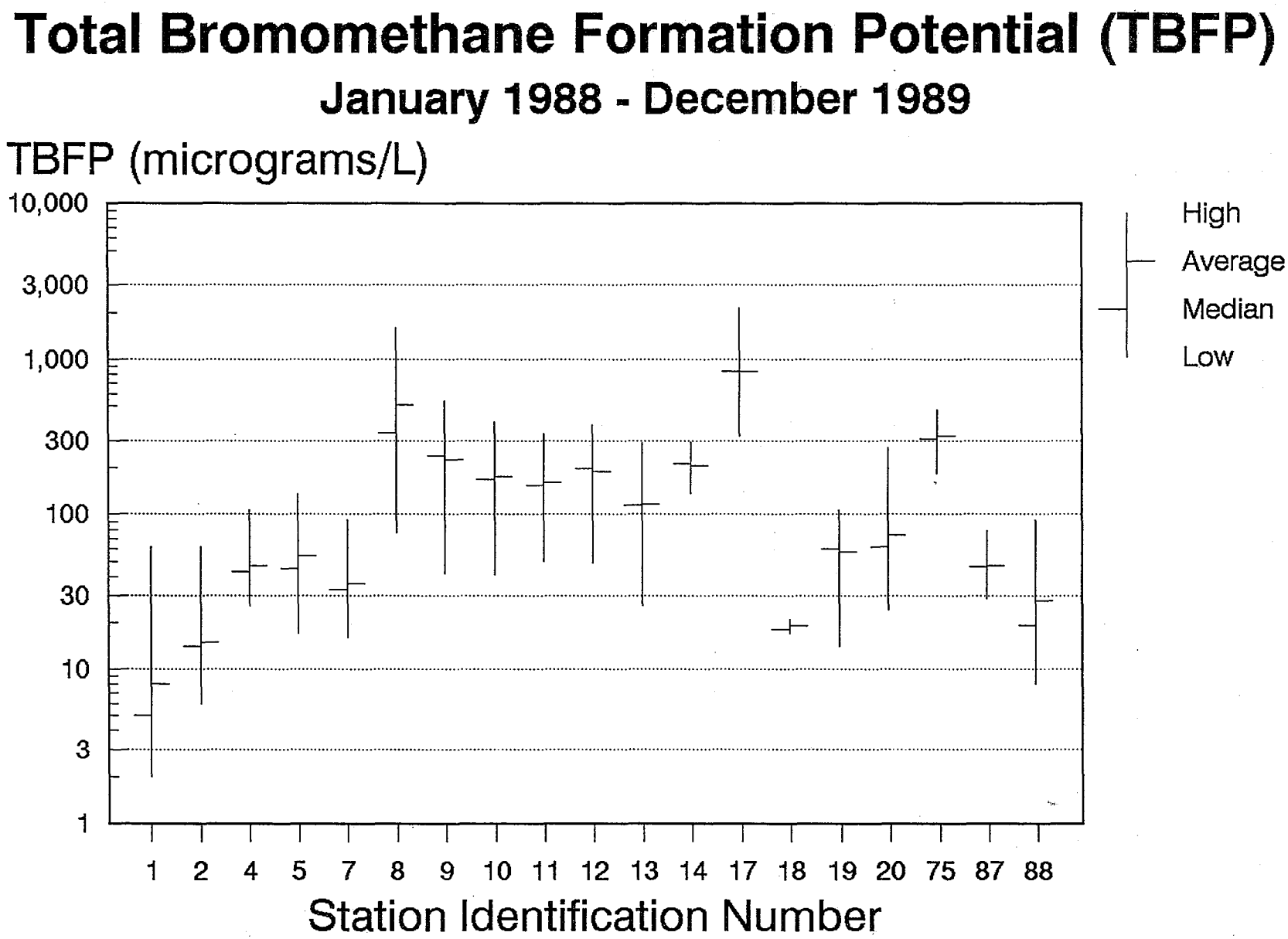
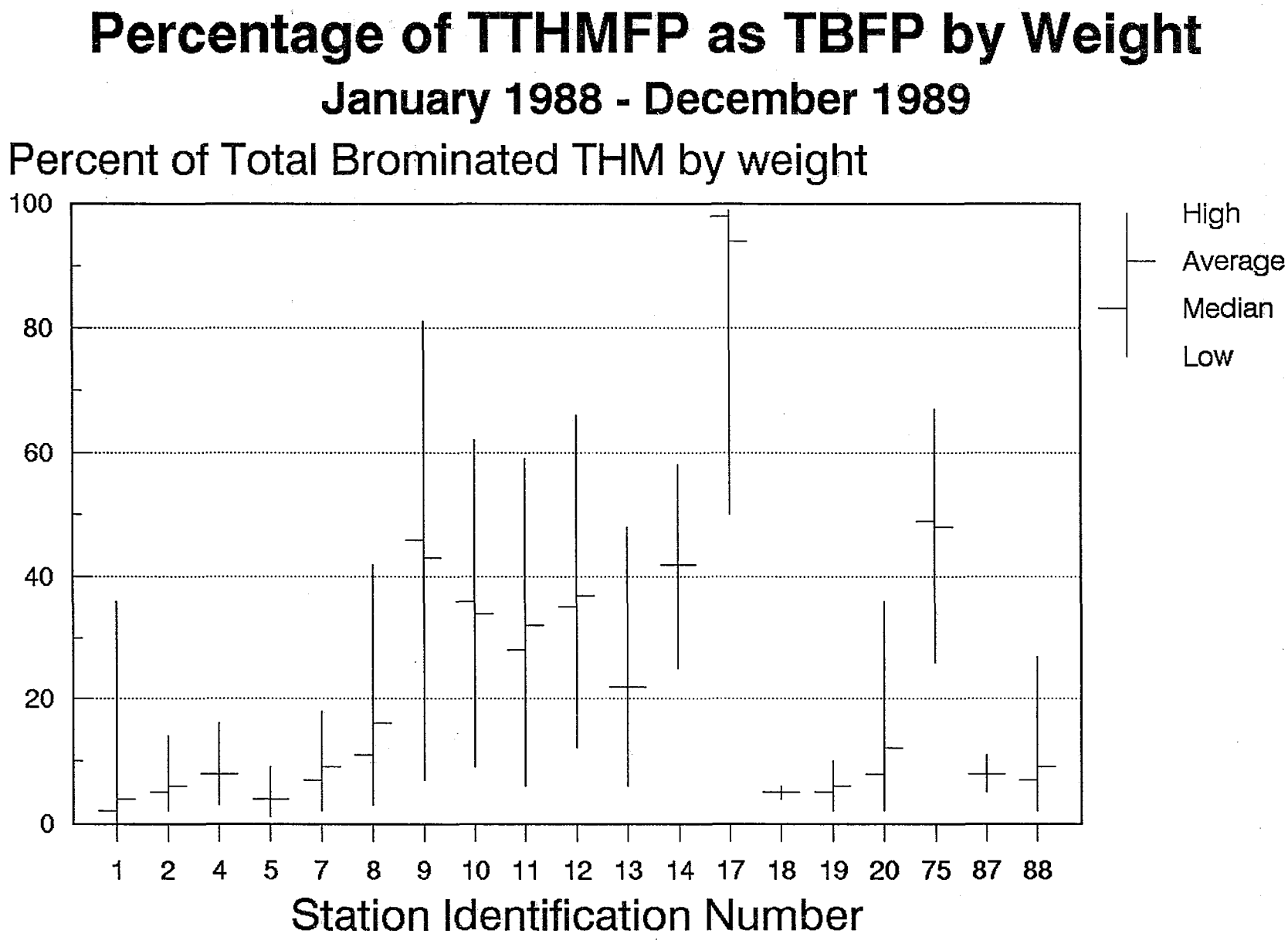

Total Bromomethane Formation Potential (TBFP)
January 1988 - December 1989
TBFP (micrograms/L)
10,000
3,000
1,000
300
100
30
10
3
1
1 2 4 5 7 8 9 10 11 12 13 14 17 18 19 20 75 87 88
Station Identification Number
High
Average
Median
Low

Table 8. Percentage of TBFP as TTHMFP
January 1988 - December 1989

Station No.	Samples	Average	Median	Low	High
AMERICAN 1	29	4	2	0	36
GREENES 2	33	6	5	2	14
LINDSEY 4	31	8	8	3	16
AGDGRAND 5	45	4	4	1	9
LCONNECT 7	30	9	7	2	18
AGDEMPIRE 8	49	16	11	3	42
ROCKSL 9	25	43	46	7	81
CLIFTON 10	23	34	36	9	62
DMC 11	36	32	28	6	59
BANKS 12	32	37	35	12	66
MIDDLER 13	55	22	22	6	48
VERNALIS 14	38	42	42	25	58
MALLARDIS 17	24	94	98	50	99
NOBAY 18	3	5	5	4	6
BARKER 19	9	6	5	2	10
NATOMAS 20	40	12	8	2	36
MAZE 75	27	48	49	26	67
BARKERNOBAY 87	18	8	8	5	11
SACRRIOVISTA 88	16	9	7	2	27

Figure 9.


Percentage of TTHMFP as TBFP by Weight
January 1988 - December 1989
Percent of Total Brominated THM by weight
100
80
60
40
20
0
1
2
4
5
7
8
9
10
11
12
13
14
17
18
19
20
75
87
88
Station Identification Number
High
Average
Median
Low

Sacramento Urban Runoff TTHMFP

Five samples of Sacramento urban runoff were collected at the request of the Central Valley Regional Water Quality Control Board on March 10, 1989. The samples were collected from five locations (Figure 10) following the standard field collection procedures used under IDHAMP.

The samples had TTHMFP concentrations from 820 to 1300 µg/L. Bromide was relatively low, as seen by the low TBFP. The suspected source of the bromide is rain water. The results are shown below:

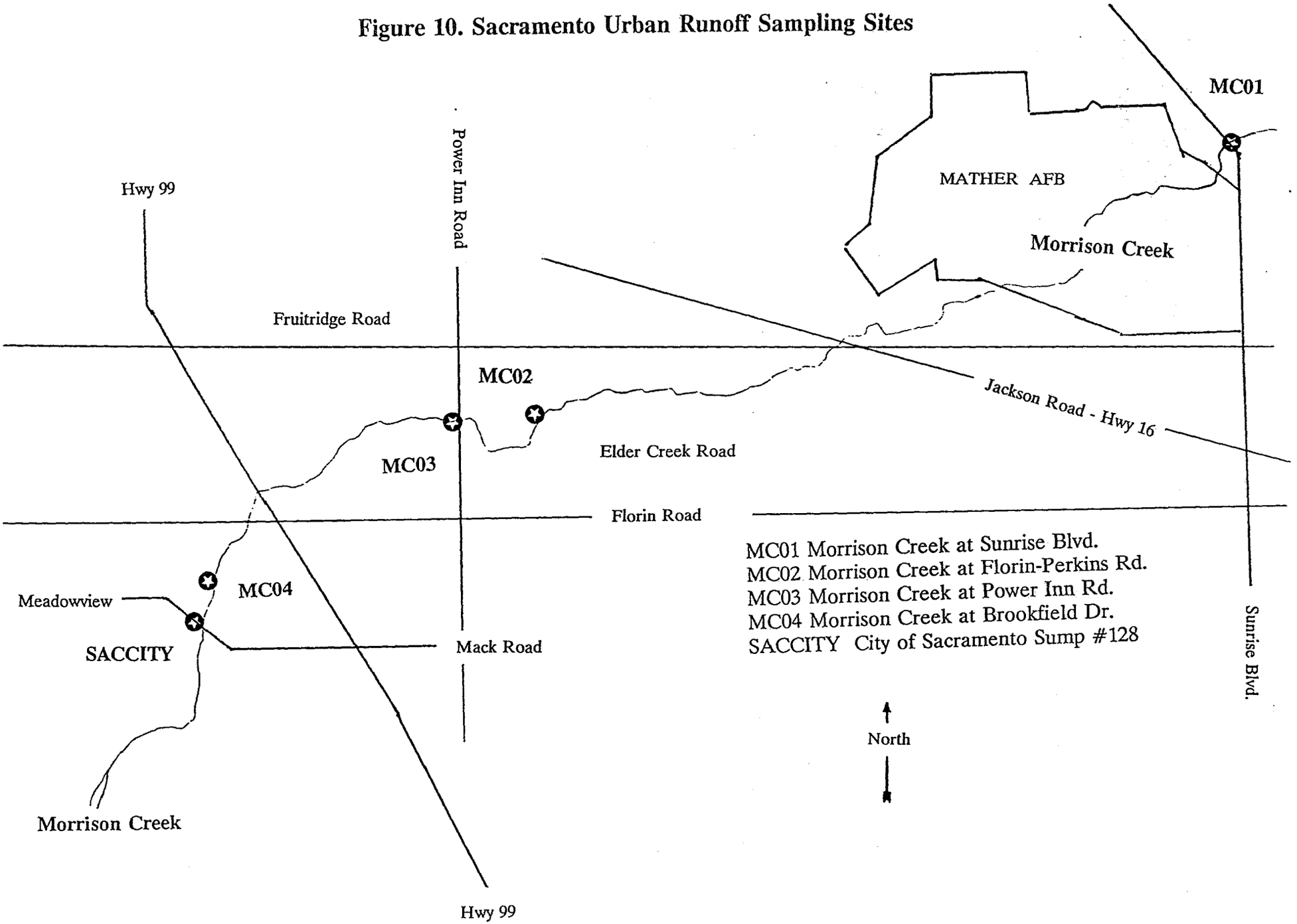
Table 9. Urban Runoff TTHMFP

µg/L

Station	CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
MC01	1100	23	0	<1	1100
MC02	820	22	0	<1	840
MC03	940	19	1	<1	960
MC04	930	23	2	<1	950
SACCITY	1300	47	4	<1	1400

More sampling is needed to determine if these observations are typical of urban runoff.

Figure 10. Sacramento Urban Runoff Sampling Sites



Pesticides

Recognizing the great cost and technical limitations associated with analyzing water samples for all possible pesticide contaminants, a selection procedure was developed to identify those pesticides with the most likelihood of being present at a particular sampling site and time period in the Delta. Pesticide use data compiled by the State Department of Food and Agriculture were evaluated to determine quantities used and time of application. The list of pesticides with the highest reported use was further reviewed to delete those that were insoluble in water and, therefore, would not appear in water samples but rather sediment and biota.

The final target list of 26 chemicals for monitoring represented those pesticides that had the higher probability of being present in Delta waters during the sampling period. To water treatment and distribution entities, these water soluble compounds pose difficulties in removal when compared to insoluble contaminants that can be removed by flocculation, coagulation, or filtration processes during treatment.

Thirty drains were sampled in July, 1988. July is the peak month of pesticide applications and peak summer drainage discharge month. Therefore, sampling in July would enable a higher likelihood of detecting pesticide residues in the island drains.

Detailed steps of the selection scheme are reported in the previous IDHAMP reports. A complete description of the pesticide selection methodology may be found in Appendix D of DWR's The Delta As A Source of Drinking Water, Monitoring Results, 1983 to 1987.

Six pesticides were found above the analytical limit of detection in one or more of the drain water samples. The pesticides were atrazine, bentazon, carbaryl, methamidophos, ordram, and simazine. All detected pesticides were below current health advisory levels for drinking water (Table 10).

Table 10. Pesticide Monitoring Results

PESTICIDE DATA REPORT
JULY 18-22, 1988

STA. NAME	EC (uS/cm)	2,4-D	Alachlor	Atrazine	Bentazon	Bolero	Captan	Carbaryl	Carbofuran	Dacthal	Dicofol	DinoseB	Diazinon	Ethyl Parathion	Methyl Parathion	MCPA	Methamidophos	Mudrin	Ordram	Orthene	Paraquat	Propargite	Propanil	Propham	Simazine	Triforine	Ziram
BOULDIN1	178	--	--	0.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BOULDIN2	202	--	--	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BRANNANPP03	1010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BRANNANPP04	579	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COLUSA	554	--	--	--	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0.76	--	--	--	--	--	--	--	--
EGBERTPP01	297	--	--	--	--	--	--	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KINGISPP01	439	--	--	0.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KINGISPP02	652	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MCCORWIL01	166	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MOSSDALE01	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MOSSDALE04	1120	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	--	--
MOSSDALE10	992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1	--	--
MOSSDALE11	1080	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.3	--	--
NETHERLAND01	222	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NETHERLAND02	206	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PESCADERO01	1280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PESCADERO02	1560	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PESCADERO03	1850	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PESCADERO04	1890	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PIERSONPP01	268	--	--	0.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PROSPECTPP01	183	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RINDGEPP02	870	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RIOBLANCO01	739	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHIMATR	577	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.2	--	--
TERMPP01	425	--	--	0.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TERMPP02	542	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UPEGBERTPP01	344	--	--	0.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UPEGBERTPP02	277	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UPEGBERTPP03	331	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	--	--	--	--	--	--	--	8.4	--	--
UPJONESPP02	860	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Note: All other values (--) below reporting limit.

Atrazine was detected at six locations, including drains on Bouldin (0.60 and 0.25 μg/L), Kings (0.13 μg/L), Pierson (0.34 μg/L), and Terminous Islands (0.41 μg/L) and Upper Egbert Tract (0.91 μg/L). The current State Maximum Contaminant Level (MCL) for atrazine is 3 μg/L.

Bentazon was detected in a drain on the Colusa Drain (2.5 μg/L). The State MCL for bentazon is 18 μg/L.

Carbaryl was detected in a drain on Egbert Island (8.5 μg/L). The State Action Level is 60 μg/L.

Methamidophos was detected in a drain on Upper Egbert Island (4.6 μg/L). There is no standard or guideline for Methamidophos.

Ordram was detected in Colusa Drain (0.76 μg/L). The State MCL for Ordram is 20 μg/L).

Simazine was detected in drains on Mossdale Island (0.1, 0.1, and 0.3 μg/L), Shima Tract(0.2 μg/L), and Upper Egbert Tract (8.4 μg/L). The State MCL is 10 μg/L.

The results of this survey are consistent with other water sample surveys conducted in the Delta. Pesticides detected in Delta water have rarely exceeded guidelines or standards. Since we were sampling agricultural drains, the water was not used directly for drinking purposes. Comparison with drinking water guidelines is not intended to infer that agricultural drainage could be used for drinking water purposes. Rather, the comparison is intended to present a "worst case." Drain waters discharged into the Delta are usually diluted to the point that pesticides are no longer detectable in receiving waters.

Since 30 drains are a small proportion of the 260 agricultural drains in the Delta, it is premature to conclude that similar results would be seen at all drainages. Further sampling would confirm current evidence indicating pesticide concentrations in Delta waters are consistently well below drinking water standards.

Selenium

Levels of selenium in the Delta from Central Valley agricultural drainage discharged into the San Joaquin River were low (Table 11). The current EPA drinking water standard is 10 µg/L for selenium.

Table 11. Selenium Observations (µg/L)
January 1988 - December 1989

Station No.	Samples	Average	Median	Low	High
AGDGRAND 5	24	<1	<1	<1	<1
AGDEMPIRE 8	25	<1	<1	<1	2
DMC 11	72	<1	<1	<1	5
BANKS 12	71	<1	<1	<1	4
VERNALIS 14	68	3	2	1	6
NATOMAS 20	23	<1	<1	<1	1
MAZE 75	36	5	4	2	9

Minor Elements

Analysis for minor elements at selected stations was initiated in January 1988. The stations included the agricultural drains at Empire Tract and Grand Island, San Joaquin River at Vernalis and Maze Road, Middle River, and Natomas Main Drain. The purpose was to determine whether they could be used as tracers of water types, either individually, or as ion ratios. The minor elements of greatest interest were barium and lithium, because they are comparatively rare.

To date, three elements, including barium (Ba), lithium (Li), and nickel (Ni) have not been detected. Chromium (Cr) was detected only once on Empire Tract. Copper (Cu) has been found occasionally in agricultural drains and in the San Joaquin River but the analytical detection limit of the DWR Bryte laboratory must be lower if copper is to be used as a tracer of water.

Of those elements found regularly, iron (Fe) ranged from less than .005 mg/L to 5.36 mg/L., manganese (Mn) ranged from 0.005 to 2.12 mg/L, and zinc (Zn) ranged from less than 0.005 to 0.148 mg/L.

Based on the survey of minor elements, barium, chromium, lithium, nickel, and copper will no longer be monitored due to their lack of usefulness as tracers of water sources and mixing in the Delta.

Bromide, however, is being added to the list of studied ions. Bromide may be an excellent tracer of water types and mixing, especially of bay water intrusion and certain drainages.

Appendix

Monitoring Program Data

MONITORING PROGRAM DATA

Data for the Interagency Delta Health Aspects Monitoring Program are divided into three tables: THM Data Report, Mineral Data Report, and Minor Elements Data Report.

The **THM DATA REPORT** primarily contains laboratory results of trihalomethane formation potential analyses. The four THM species are included. In addition, basic reference information about each sample is included. The records include:

LAB#	- laboratory sample identification number
STA. NAME	- abbreviated station name
SAMP. DATE	- sampling date
TIME	- sampling time (24 hour clock)
TEMP oC	- field water temperature (Celsius degrees)
PH	- field pH of water sample
DO mg/L	- field dissolved oxygen measurement (milligrams per liter)
EC µS/cm	- laboratory measured electrical conductivity of water sample (microSiemens per centimeter corrected to 25 degrees Celsius).
TURB T.U.	- laboratory turbidity measurement (turbidity units)
COLOR C.U.	- laboratory measured color (color units)
TOC mg/L	- laboratory measured total organic carbon (milligrams per liter)

THM Formation Potential

CHCL3	- chloroform (micrograms per liter)
CHBRCL2	- dichlorobromomethane (micrograms per liter)
CHBR2CL	- dibromochloromethane (micrograms per liter)
CHBR3	- bromoform (micrograms per liter)
TTHMFP	- total trihalomethane formation potential (micrograms per liter)

Flow cfs - average river or stream measured flow (cubic feet per second) at that station for that sampling date. Flow at most stations is not measured.

The **MINERAL DATA REPORT** primarily contains data on the mineral composition of the water samples. The table includes data on water hardness and concentrations of sodium, chloride, selenium, asbestos, calcium, magnesium, potassium, alkalinity, sulphate, nitrate, boron, and total dissolved solids. The table includes:

LAB#	- laboratory sample identification number
STA. NAME	- abbreviated station name
SAMP. DATE	- sampling date
TIME	- sampling time (24 hour clock)
TEMP oC	- field water temperature (Celsius degrees)
PH	- field pH of water sample
DO mg/L	- field dissolved oxygen measurement (milligrams per liter)
EC µS/cm	- laboratory measured electrical conductivity of water sample (microSiemens per centimeter corrected to 25 degrees Celsius).
NA mg/L	- sodium concentration (milligrams per liter)
CL mg/L	- chloride concentration (milligrams per liter)
Se mg/L	- selenium concentration (milligrams per liter)
Asbest MF/L	- asbestos concentration (million fibers per liter)
Hard.	- water hardness (milligrams per liter as calcium carbonate)
Ca	- calcium concentration (milligrams per liter)
Mg	- magnesium concentration (milligrams per liter)
K	- potassium concentration (milligrams per liter)
ALK	- total alkalinity (milligrams per liter as calcium carbonate)
SO4	- sulphate concentration (milligrams per liter)
NO3	- nitrate concentration (milligrams per liter as nitrogen)
B	- boron concentration (milligrams per liter)
TDS	- total dissolved solids (milligrams per liter) dried at 180 degrees C.
Flow cfs	- average river or stream measured flow (cubic feet per second) at that station for that sampling date. Flow at most stations is not measured.

The **MINOR ELEMENTS DATA REPORT** provides the results of trace element analyses. The table lists the dissolved concentrations of barium, iron, chromium, copper, manganese, mercury, zinc, lithium, and nickel.

LAB#	- laboratory sample identification number
STA. NAME	- abbreviated station name
SAMP. DATE	- sampling date
TIME	- sampling time (24 hour clock)
TEMP oC	- field water temperature (Celsius degrees)
PH	- field pH of water sample
DO mg/L	- field dissolved oxygen measurement (milligrams per liter)
EC μS/cm	- laboratory measured electrical conductivity of water sample (microSiemens per centimeter corrected to 25 degrees Celsius).
Ba mg/L	- barium concentration (milligrams per liter)
Fe mg/L	- iron concentration (milligrams per liter)
Cr mg/L	- chromium concentration (milligrams per liter)
Cu mg/L	- copper concentration (milligrams per liter)
Mn mg/L	- manganese concentration (milligrams per liter)
Hg mg/L	- mercury concentration (milligrams per liter)
Zn mg/L	- zinc concentration (milligrams per liter)
Li mg/L	- lithium concentration (milligrams per liter)
Ni mg/L	- nickel concentration (milligrams per liter)

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L <----------				
8026	AGDEMPIRE	01/12/88	9:00	9.2	6.3	4.7	1010	8	350	59.0		3300	240	14	<1	3600
8075	AGDEMPIRE	01/21/88	9:05	8.6	6.4	6.5	1720	4	250	55.0		3400	480	55	<1	3900
8074	AGDEMPIRE	01/21/88	9:05	8.6	6.4	6.5					56.0	3800	490	35	<1	4300
8132	AGDEMPIRE	02/23/88	8:50								62.0	1800	400	85	4	2300
8133	AGDEMPIRE	02/23/88	8:50	11.3	6.8	5.4	1980	14	350	72.0		3100	790	140	6	4000
8161	AGDEMPIRE	03/09/88	9:35	13.7	7.1		1970	13	200	48.0		2700	650	120	8	3500
8224	AGDEMPIRE	03/23/88	8:30								47.0	4300	220	16	<1	4500
8223	AGDEMPIRE	03/23/88	8:30	16.8	7.0	9.1	811	9	320	49.0		2600	170	14	<1	2800
8322	AGDEMPIRE	04/28/88	8:25	16.1	6.6	5.3	631	7	300	64.0		2000	73	4	<1	2100
8323	AGDEMPIRE	04/28/88	8:25								63.0	2100	92	5	<1	2200
8346	AGDEMPIRE	05/09/88	7:12	20.1	7.2	6.5	926	4	400		59.0	3900	270	<1	<1	4200
8400	AGDEMPIRE	05/26/88	7:30								46.0	3600	460	27	<1	4100
8399	AGDEMPIRE	05/26/88	7:30	18.8	7.5	1.1	1000	9	400	44.0		2900	400	28	8	3300
8431	AGDEMPIRE	06/22/88	6:27	22.3	7.3	2.6	674	7	240	24.0		3400	310	11	<1	3700
8432	AGDEMPIRE	06/22/88	6:27	23.0	6.8	0.6					31.0	3900	370	11	<1	4300
8467	AGDEMPIRE	07/14/88	8:55	23.0	6.8	0.6	1420				35.0	3900	320	17	1	4200
8466	AGDEMPIRE	07/14/88	8:55	23.0	6.8	0.6	1420	6	400	71.0		3600	180	15	<1	3800
8482	AGDEMPIRE	07/18/88	6:40	22.5	7.0	0.4	792	3	240		35.0	2500	260	16	<1	2800
8589	AGDEMPIRE	08/16/88	7:59	21.3	6.9	2.3	537				36.0	3100	270	9	<1	3400
8588	AGDEMPIRE	08/16/88	7:59	21.3	6.9	2.3	537	7	280	34.0		3400	250	8	<1	3700
8701	AGDEMPIRE	09/22/88	6:35	16.6	7.2	2.0					32.4	2500	1000	330	15	3800
8700	AGDEMPIRE	09/22/88	6:35	16.6	7.2	2.0	2140	7	140	33.5		2400	1000	320	18	3700
8730	AGDEMPIRE	10/20/88	7:45	19.2	5.9	2.4	1180				0.0	2300	200	17	<1	2500
8729	AGDEMPIRE	10/20/88	7:45	19.2	5.9	2.4	1180	5	280	77.0		1600	250	14	<1	1900
8752	AGDEMPIRE	11/10/88	8:25	16.0	6.8	4.2					0.0	2400	440	56	<2	2900
8751	AGDEMPIRE	11/10/88	8:25	16.0	6.8	4.2	1350	4	320	69.0		1800	330	64	<1	2200
8835	AGDEMPIRE	12/20/88	9:00	14.7	6.8	3.9					60.0	2600	140	6	<1	2700
8834	AGDEMPIRE	12/20/88	9:00	14.7	6.8	3.9	585	4	320	61.0		2600	140	5	<1	2700
9011	AGDEMPIRE	01/03/89	8:45	7.5	6.9	5.1	769	5	320		76.0					
9098	AGDEMPIRE	01/31/89	8:30	10.5	6.6	3.6	1500	5	600	118.0		450	160	40	3	650
9099	AGDEMPIRE	01/31/89	8:30	10.5	6.6	3.6					0.0	430	160	46	4	640
9188	AGDEMPIRE	02/28/89	8:30	13.5	6.8	4.1	1720	11	320	74.0		1200	440	79	4	1700
9189	AGDEMPIRE	02/28/89	8:30	13.5	6.8	4.1					0.0	1000	270	74	5	1300
9242	AGDEMPIRE	03/28/89	8:56	16.4	6.9	4.4					0.0	2600	830	220	12	3700
9241	AGDEMPIRE	03/28/89	8:56	16.4	6.9	4.4	2030	8	280	74.0		2600	830	210	10	3700
9273	AGDEMPIRE	04/17/89	7:17	18.8	7.5	6.7	2160	13	200			3000	1000	320	18	4300
9338	AGDEMPIRE	04/25/89	8:13	15.2	7.3	5.6	2320	13	200	41.0		2500	1200	350	28	4100
9339	AGDEMPIRE	04/25/89	8:13	15.2	5.6	7.3					0.0	2400	1200	380	28	4000
9369	AGDEMPIRE	05/23/89	8:18	17.6	6.7	8.7					0.0	2300	270	15	<1	2600
9368	AGDEMPIRE	05/23/89	8:18	17.6	6.7	8.7	800	4	400	86.0		2500	290	11	<1	2800
9488	AGDEMPIRE	06/21/89	7:30	20.4	6.9	4.5	524	6	160		28.0	2700	130	12	0	2800
9489	AGDEMPIRE	06/21/89	7:30	20.4	6.9	4.5					0.0	2700	130	12	0	2800
9443	AGDEMPIRE	06/26/89	7:18	18.7	7.0	4.5	629	6	200		35.0	3340	264	16	0	3600
9562	AGDEMPIRE	07/18/89	7:40	24.0	6.8	3.8	422	3	280		0.0	3400	360	4	0	3800
9605	AGDEMPIRE	08/03/89	9:55	22.4	7.4	5.9	346	8	100		16.0	2600	150	10	0	2800
9631	AGDEMPIRE	09/20/89	7:40	19.0	7.2	4.0	2310	5	400		96.0	3900	560	76	1	4500
9670	AGDEMPIRE	11/07/89	11:40	16.0	7.5	5.4	1600	13	160		0.0	1900	710	240	19	2900
8006	AGDGRAND	01/06/88	8:25								30.0	2300	80	3	<1	2400
8007	AGDGRAND	01/06/88	8:25	9.2	7.1	8.1	832	56	160	29.0		2500	86	4	2	2600
8113	AGDGRAND	02/18/88	7:30								17.0	2100	98	4	<1	2200

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L				<--------->
8114	AGDGRAND	02/18/88	7:30	9.3	7.2	8.8	642	26	100	17.0		2100	110	4	<1	2200
8211	AGDGRAND	03/18/88	7:19	13.0	7.1	8.0	324	31	60	6.3		960	30	1	<1	990
8212	AGDGRAND	03/18/88	7:19								5.4	720	25	25	<1	770
8247	AGDGRAND	04/14/88	7:40	15.1	6.9	7.3	361			7.1		1100	41	3	3	1100
8248	AGDGRAND	04/14/88	7:40								7.2	940	33	3	<1	980
8392	AGDGRAND	05/19/88	6:50	18.2	7.4	6.7	278	27	80	6.0		1100	35	1	1	1100
8393	AGDGRAND	05/19/88	6:50								5.6	760	31	1	<1	790
8414	AGDGRAND	06/07/88	6:17	15.8	7.1	6.5	308	38	60	5.8		1400	29	<4	<4	1400
8415	AGDGRAND	06/07/88	6:17	15.8	7.1	6.5	308				5.9	820	34	1	2	860
8450	AGDGRAND	07/06/88	6:54	20.0	7.0	5.7	276				8.0	890	23	<1	<1	910
8449	AGDGRAND	07/06/88	6:54	20.0	7.0	5.7	276	27	60	1.4		1200	19	<1	<1	1200
8572	AGDGRAND	08/02/88	8:10								6.1	720	24	<1	<1	740
8571	AGDGRAND	08/02/88	8:10	18.8	7.4	6.4			60	5.6		740	22	<1	<1	760
8692	AGDGRAND	09/15/88	6:55	18.8	6.9	5.2					10.8	1100	52	2	<1	1200
8691	AGDGRAND	09/15/88	6:55	18.8	6.9	5.2	363	24	70			1100	50	6	<1	1200
8721	AGDGRAND	10/13/88	7:00	15.6	7.2	6.7					0.0	1400	41	<1	<1	1400
8720	AGDGRAND	10/13/88	7:00	15.6	7.2	6.7	409	32	150	19.6		2100	47	<1	<1	2100
8759	AGDGRAND	11/17/88	8:09	9.9	7.2	8.6					0.0	1200	60	7	<1	1300
8758	AGDGRAND	11/17/88	8:09	9.9	7.2	8.6	398	28	120	14.0		1500	54	6	<1	1600
8804	AGDGRAND	12/06/88	7:40	10.8	7.2	9.2	370	23	100	12.0		1400	63	1	<1	1500
8805	AGDGRAND	12/06/88	7:40	10.8	7.2	9.2					14.0	1300	35	1	<1	1300
9073	AGDGRAND	01/17/89	7:50	9.8	7.1	9.1					0.0	1500	64	4	<1	1600
9072	AGDGRAND	01/17/89	7:50	9.8	7.1	9.1	482	18	100	15.0		1500	67	4	<1	1600
9153	AGDGRAND	02/14/89	7:30	9.5	7.0	9.4					0.0	1500	77	<10	<5	1600
9152	AGDGRAND	02/14/89	7:30	9.5	7.0	9.4	564	19	160	20.0		1300	94	13	<5	1400
9227	AGDGRAND	03/14/89	7:54	12.0	6.7	7.8	756	28	160	26.0		2000	120	17	<1	2100
9228	AGDGRAND	03/14/89	7:54	12.0	6.7	7.8					0.0	1900	99	6	<1	2000
9257	AGDGRAND	04/11/89	6:20	16.3	7.2	6.9					0.0	1100	36	1	<1	1100
9256	AGDGRAND	04/11/89	6:20	16.3	7.2	6.9	357	31	80	13.0		1400	37	1	<1	1400
9353	AGDGRAND	05/09/89	6:30	19.0	7.5	6.3					0.0	760	42	2	<1	800
9352	AGDGRAND	05/09/89	6:30	19.0	7.5	6.3	314	27	80	9.0		890	44	1	<1	930
9480	AGDGRAND	06/13/89	6:35	18.2	7.1	7.0					0.0	800	40	2	<1	840
9479	AGDGRAND	06/13/89	6:35	18.2	7.1	7.0	292	25	70	7.6		1100	41	2	<1	1100
9554	AGDGRAND	07/11/89	7:00	19.9	6.8	6.5	325	36	70		0.0	940	48	2	0	990
9607	AGDGRAND	08/16/89	7:57	21.2	7.6	7.2	360	26	60		6.0	840	62	9	0	910
9623	AGDGRAND	09/13/89	6:45	18.9	8.3	6.8	264	52	80		5.7	670	38	1	0	710
9643	AGDGRAND	10/12/89	6:42	18.3	7.2		531	22	100		0.0	1300	130	0	0	1400
9672	AGDGRAND	11/14/89	8:45	13.1	7.4	6.2	458	18	80		0.0	1100	67	4	<1	1200
8076	AMERICAN	01/21/88	11:00	9.8	7.2	12.5	87	10	25	2.1		320	5	<1	<1	330
8134	AMERICAN	02/23/88	10:30	12.9	7.2	10.8	85	1	5	1.7		110	5	<1	<1	120
8225	AMERICAN	03/24/88	11:00	19.1	7.2	10.8	78	1	5	1.2		160	6	<1	<1	170
8324	AMERICAN	04/28/88	5:25	14.7	8.0	9.3	77	2	10	1.7		96	11	1	<1	110
8401	AMERICAN	05/26/88	5:50	16.5	8.2	8.8	75	2	5	2.0		180	6	1	<1	190
8433	AMERICAN	06/22/88	9:19	19.9	7.2	8.9	76	1	5	2.3		110	4	<1	<1	110
8471	AMERICAN	07/14/88	5:50	17.8	6.7	8.5			5	1.5		230	5	<1	<1	240
8590	AMERICAN	08/16/88	5:45	20.5	7.0	7.6	72	1	5	1.8		180	6	<1	<1	180
8702	AMERICAN	09/22/88	9:00	20.4	7.0	7.9	70	1	5	1.2		170	7	<1	<1	180
8731	AMERICAN	10/20/88	5:30	19.5	6.6	8.4	74	1	5	1.3		110	64	<1	<1	170
8753	AMERICAN	11/10/88	6:15	16.2	6.5	9.1	68	2	5	1.6		210	11	<1	<1	220
8836	AMERICAN	12/20/88	7:00	11.4	6.8	10.8	82	3	10	2.7		330	9	<1	<1	340

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L			<----------	
9100	AMERICAN	01/31/89	6:30	10.3	7.7	12.2	102	1	10	1.4		96	6	1	<1	100
9190	AMERICAN	02/28/89	6:30	12.0	6.2	11.3	85	<1	5	1.5		120	9	0	<1	130
9243	AMERICAN	03/28/89	10:14	11.8	7.7	10.3	75	4	5	1.8		230	11	2	<1	240
9340	AMERICAN	04/25/89	9:26	12.0	7.7	10.4	70	2	5	2.0		210	7	<1	<1	220
9370	AMERICAN	05/23/89	9:31	14.4	7.7	10.1	65	2	5	1.9		230	4	0	<1	230
9490	AMERICAN	06/21/89	5:30	14.9	7.3	9.6	61	2	<5		1.7	240	5	0	0	250
9563	AMERICAN	07/18/89	5:35	22.7	7.1	8.7	60	2	<5		0.0	290	5	0	0	300
9611	AMERICAN	08/16/89	6:00	18.2	6.7		55	1	<5		2.4	290	7	0	0	300
9632	AMERICAN	09/20/89	9:00	18.7	7.9	8.3	56	1	5		1.7	200	4	0	0	200
9678	AMERICAN	11/14/89	6:25	13.2	7.2	9.5	58	2	<5		0.0	230	7	<1	<1	240
9700	AMERICAN	12/12/89	7:05	9.3	8.0	11.0	64	2	5		2.9	230	8	<1	<1	240
8011	BANKS	01/07/88	9:24	8.2	7.3	11.8	574	11	30	4.6		410	150	68	4	630
8091	BANKS	02/10/88	8:55	11.4	7.3	9.5	392	13	40			710	94	20	<1	820
8146	BANKS	03/03/88	9:00	13.7	7.6	10.5	593	5	25	3.3		300	100	57	9	470
8235	BANKS	04/05/88	7:50	15.4	7.5	9.3	661	5	20	3.4		180	100	64	13	360
8330	BANKS	05/03/88	8:35	16.6	7.9	8.9	372	9	30	2.8		440	90	35	5	570
8422	BANKS	06/14/88	8:27	23.0	7.5	6.7	457	30	60	2.4		310	87	34	1	430
8457	BANKS	07/12/88	8:30	21.5	7.8	8.0	575	33	60	2.6		420	150	72	5	650
8579	BANKS	08/09/88	10:15	22.0	7.4	7.9	675	16	20	2.4		380	150	120	21	670
8682	BANKS	09/06/88	8:20	24.2	7.8	6.7	721	11	25	2.7		210	130	83	32	460
8714	BANKS	10/04/88	8:35	20.1	7.4	8.0	689	8	20	2.9		230	150	70	12	460
8744	BANKS	11/01/88	9:45	17.6	6.7	8.8	692	6	15	3.0		150	150	130	20	450
8813	BANKS	12/13/88	10:02	11.3	7.1	10.7	739	7	25	4.1		310	210	150	19	690
9054	BANKS	01/10/89	9:20	12.5	7.0	11.4	610	8	30	4.8		390	150	66	7	610
9132	BANKS	02/07/89	9:00	5.9	6.8	12.1	748	6	30	4.1		160	110	71	21	360
9213	BANKS	03/07/89	8:50	13.6	7.3	10.0	646	6	25	3.3		180	130	78	16	400
9248	BANKS	04/04/89	8:24	16.2	8.2	7.9	286	11	40	4.4		510	68	14	<1	590
9346	BANKS	05/02/89	8:30	18.4	7.8	8.0	237	8	25	3.2		330	44	6	<1	380
9428	BANKS	06/06/89	8:20	20.5	8.1	7.9	300	27	50	3.7		440	70	13	<1	520
9548	BANKS	07/05/89	10:18	23.0	7.7	8.2	291	18	40		0.0	330	60	13	0	400
9587	BANKS	07/25/89	9:00	23.8	7.7	9.2	300	14			0.0	360	120	32	1	510
9617	BANKS	09/06/89	8:38	21.5	7.2	8.6	377	10	25		0.0	300	85	63	1	450
9637	BANKS	10/02/89	8:38	18.8	7.5	10.0	430	11	25		0.0	320	90	72	6	490
9663	BANKS	11/07/89	9:15	15.1	7.7	8.8	523	7	20		0.0	260	140	78	10	490
9685	BANKS	12/05/89	9:22	11.8	7.6		651	6	15		0.0	270	120	95	16	500
8002	BARKER	01/06/88	12:10	9.3	7.3	10.4	387	84	80	9.3		1200	31	1	<1	1200
8109	BARKER	02/18/88	12:15	10.3	7.5	10.1	540	52	50	6.8		1300	57	4	<1	1400
8216	BARKER	03/17/88	9:00	13.7	7.6	10.2	639	22	60	6.7		1000	64	6	<1	1100
8251	BARKER	04/14/88	8:57	16.3	7.4	8.4	539			7.8		1200	61	5	4	1300
8396	BARKER	05/19/88	10:05	24.3	7.9	5.6	673	21	60	6.6		920	100	7	<1	1000
8419	BARKER	06/07/88	7:52	18.1	7.7	6.8	590	31	60	5.1		820	79	13	1	910
8452	BARKER	07/06/88	8:30	21.6	7.5	7.5	366	50	80	3.8		760	39	4	<1	800
8574	BARKER	08/02/88	12:30	21.8	7.9	8.0	241	60	60	3.0		530	31	1	1	560
8694	BARKERNOBAY	09/15/88	8:18	17.9	7.3	8.5	274	30	50	4.0		500	32	4	<1	540
8723	BARKERNOBAY	10/13/88	9:05	16.9	7.5	7.6	323	23	50	4.4		470	27	3	<1	500

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

THM 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	THM Formation Potential CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												ug/L				
8761	BARKERNOBAY	11/17/88	9:36	12.4	7.4	9.0	298	19	35	3.2		410	37	6	<1	450
8807	BARKERNOBAY	12/06/88	10:15	9.9	7.1	10.8	283	18	30	3.2		360	34	2	<1	400
9075	BARKERNOBAY	01/17/89	9:50	8.2	7.3	11.5	381	16	35	4.6		570	43	4	<1	620
9155	BARKERNOBAY	02/14/89	9:15	8.4	6.9	12.2	419	11	30	3.7		370	41	11	<5	420
9230	BARKERNOBAY	03/14/89	9:27	15.0	7.7	9.1	609	12	35	6.0		620	71	8	<1	700
9259	BARKERNOBAY	04/11/89	7:45	19.1	7.3	7.3	495	15	35	5.6		580	56	6	<1	640
9355	BARKERNOBAY	05/09/89	8:50	19.5	7.5	8.2	477	21	40	5.6		530	46	3	<1	580
9482	BARKERNOBAY	06/13/89	8:35	18.8	7.4	8.2	358	30	60	5.9		750	51	3	<1	800
9556	BARKERNOBAY	07/11/89	8:55	20.9	7.3	7.8	289	35	70		0.0	530	29	0	0	560
9609	BARKERNOBAY	08/16/89	9:31	22.0	7.7	8.8	247	21	50		3.5	<1	<1	<1	<1	<1
9625	BARKERNOBAY	09/13/89	8:50	19.8	7.2	8.3	249	20	40		3.4	350	35	2	0	390
9645	BARKERNOBAY	10/12/89	9:54	19.0	7.0		322	54	70		5.3	600	58	3	0	660
9674	BARKERNOBAY	11/14/89	13:40	13.7	7.8	9.4	314	13	40		0.0	530	39	4	<1	570
9696	BARKERNOBAY	12/12/89	11:35	10.9	7.8	10.5	315	12	25		3.8	450	44	3	<1	500
8017	BOULDIN1	01/12/88	7:50	10.1	6.4	4.5	937	9	350	66.0		2600	240	11	<1	2900
8151	BOULDIN1	03/08/88	8:51	9.1	7.3		936	16	350	45.0		2700	300	20	<1	3000
8336	BOULDIN1	05/09/88	8:37	18.6	7.1	8.5	201	14	100		8.8	1000	72	7	<1	1100
8472	BOULDIN1	07/18/88	8:57	23.3	7.0	5.3	178	11	60		6.8	840	14	<1	<1	850
8598	BOULDIN1	08/10/88	11:18	23.1	7.2	7.3			60		5.9	710	33	1	<1	740
8621	BOULDIN1	08/17/88	9:16	21.5	7.2	3.5	338	5	160		19.0	2000	98	4	<1	2100
8657	BOULDIN1	08/24/88	9:31	21.6	7.4	3.4	323	8	140		19.0	2000	110	2	<1	2100
8673	BOULDIN1	08/31/88	9:13	21.5	7.0	3.0			200		25.0	2000	120	3	<1	2100
8786	BOULDIN1	11/30/88	11:15	9.3	7.0	5.3	471	4	240		47.0	2600	170	14	<1	2800
8800	BOULDIN1	12/07/88	11:04	10.9	7.8	7.1	418	11	280		43.0	2500	170	15	<1	2700
8829	BOULDIN1	12/20/88	9:00	8.1	7.2	6.5	574	10	240		51.0	3100	130	22	<4	3200
8856	BOULDIN1	12/28/88	9:25	5.0	7.3	7.8	584	12	240		56.0	2500	190	23	<1	2700
9001	BOULDIN1	01/03/89	10:15	7.0	6.9	7.7	582	10	250		63.0	2400	220	22	<1	2600
9068	BOULDIN1	01/11/89	10:40	5.6		9.2	522	16	320		0.0	2700	170	1	<1	2900
9089	BOULDIN1	01/18/89	9:31	6.2	7.2	7.1	509	11	400		0.0	2100	180	10	<1	2300
9114	BOULDIN1	01/26/89	8:28	6.6	7.4	9.5	527	13	140			1400	160	8	<1	1600
9127	BOULDIN1	02/03/89	10:09	9.8	6.1	5.4	829	8	320		0.0	1340	230	20	<1	1600
9263	BOULDIN1	04/17/89	8:43	19.4	7.2	5.7	531	7	240			4300	88	1	<1	4400
9384	BOULDIN1	06/01/89	8:51	21.4	7.4	4.5	573				0.0	2400	180	17	<1	2600
9397	BOULDIN1	06/08/89	8:57	19.3	7.2	3.8	373	6	140		0.0	2000	94	3	<1	2100
9410	BOULDIN1	06/15/89	9:35	22.0	7.2	5.4	241	11	80		0.0	960	49	2	<1	1000
9423	BOULDIN1	06/19/89	7:40	18.9	7.1	5.2	300	10	160			2500	87	2	<1	2600
9433	BOULDIN1	06/26/89	8:09	18.2	7.6	4.9	349	5	120		19.0	1200	190	10	0	1400
9504	BOULDIN1	07/07/89	9:45	23.3	7.1	3.6	384	6	140		0.0	2200	220	19	0	2400
9517	BOULDIN1	07/14/89	7:29	20.0	7.1	2.5	485	5	200		0.0	2700	370	40	0	3100
9530	BOULDIN1	07/21/89	7:25	22.1	6.6	3.9	305	6	140		0.0	2200	120	5	0	2300
9543	BOULDIN1	07/28/89	7:11	20.5	7.3	4.1	236	7	140		0.0	2300	89	5	0	2400
8018	BOULDIN2	01/12/88	8:25	5.8	6.0	5.5	698	13	200	39.0		2700	110	3	<1	2800
8152	BOULDIN2	03/08/88	8:39	11.1	6.5		553	16	400	51.0		2700	110	<1	<1	2800
8253	BOULDIN2	04/18/88	8:00	17.0	6.7	4.2	494	11	400	39.0						
8337	BOULDIN2	05/09/88	7:52	18.9	7.4	7.7	279	12	160		18.0	2200	67	<1	<1	2300
8473	BOULDIN2	07/18/88	8:26	23.9	6.5	3.3	202	18	120		10.0	1100	19	<1	<1	1100
8599	BOULDIN2	08/10/88	10:44	21.2	7.1	5.5			140		14.0	1600	56	<1	<1	1700
8622	BOULDIN2	08/17/88	9:44	22.7	6.8	5.0	440	7	320		39.0	1800	170	1	<1	2000
8658	BOULDIN2	08/24/88	9:55	22.6	7.3	4.2	350	5	280		32.0	3200	150	2	<1	3400
8674	BOULDIN2	08/31/88	9:36	22.7	7.3	2.5			240		25.0	2000	91	2	<1	2100

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L				<--------->
8787	BOULDIN2	11/30/88	11:52	9.9	7.2	3.2	467	8	280		27.0	2700	170	4	<1	2900
8801	BOULDIN2	12/07/88	11:41	11.9	7.4	5.0	412	7	320		56.0	2600	170	19	<1	2800
8830	BOULDIN2	12/20/88	8:30	8.6	6.7	3.8	597	7	240		56.0	2700	120	23	<4	2800
8857	BOULDIN2	12/28/88	10:30	7.7	7.3	4.6	745	10	400		85.0	2800	67	25	<1	2900
9002	BOULDIN2	01/03/89	11:00	7.3	6.9	5.7	769	10	280		70.0	2400	220	22	<1	2600
9069	BOULDIN2	01/11/89	11:06	6.0		8.2	624	14	400		0.0	3100	160	8	<1	3300
9090	BOULDIN2	01/18/89	10:17	8.3	6.9	4.3	707	12	400		0.0	2200	160	6	<1	2400
9115	BOULDIN2	01/26/89	9:36	8.1	6.6	7.2	425	20	200			1500	96	13	<1	1600
9128	BOULDIN2	02/03/89	10:42	10.0		5.9	632	8	240		0.0	1500	120	11	<1	1600
9264	BOULDIN2	04/17/89	8:21	18.9	7.5	9.6	333	5	160			1800	66	1	<1	1900
9385	BOULDIN2	06/01/89	9:18	22.4	7.1	4.7	466	13	240		0.0	4200	110	3	<1	4300
9398	BOULDIN2	06/08/89	9:23	21.0	6.7	5.1	270	22	240		0.0	2300	12	1	<1	2300
9411	BOULDIN2	06/15/89	10:15	23.2	6.5	4.9	256	14	240		0.0	2500	50	<1	<1	2500
9424	BOULDIN2	06/19/89	6:51	19.3	6.6	5.3	258	11	280			3700	66	<1	<1	3800
9434	BOULDIN2	06/26/89	7:47	18.2	7.2	5.7	296	12	160		19.0	2900	100	3	0	3000
9505	BOULDIN2	07/07/89	9:00	22.6	7.4	3.9	197	22	160		0.0	2700	44	0	0	2700
9518	BOULDIN2	07/14/89	6:52	20.4	7.1	6.9	182	16	160		0.0	2100	45	0	0	2100
9531	BOULDIN2	07/21/89	8:02	22.8	6.4	6.4	218	10	160		0.0	2200	65	1	0	2300
9544	BOULDIN2	07/28/89	7:50	20.8	7.4	5.3	195	13	200		0.0	2700	40	0	0	2700
8614	BOULDSIPH01	08/10/88	11:53	23.0	7.1	8.9	175	8	30		3.1	420	17	<1	<1	440
8630	BOULDSIPH01	08/17/88	8:54	22.3	7.4	5.5	179	15	60		2.8	310	19	<1	<1	330
8659	BOULDSIPH01	08/24/88	9:08	22.8	7.9	7.8	194	6	15		2.2	260	21	2	<1	280
8675	BOULDSIPH01	08/31/88	8:50	22.7	7.0	7.0			40		2.9	290	21	1	<1	310
8785	BOULDSIPH01	11/30/88	10:27	9.8	7.0	3.6	293	13	160		25.0	2100	97	9	3	2200
8799	BOULDSIPH01	12/07/88	10:28	12.5	7.3	6.7	267	54	200		6.9	580	41	5	<1	630
8828	BOULDSIPH01	12/20/88	8:00	10.5	6.4	6.3	263	104	160		3.5	320	30	2	<1	350
8855	BOULDSIPH01	12/28/88	7:50	6.4	7.2	12.0	196	9	20		3.0	350	28	3	<1	380
9067	BOULDSIPH01	01/11/89	10:16	7.7		8.0	292	102	210		0.0	380	49	5	<1	430
9088	BOULDSIPH01	01/18/89	8:27	7.7	9.1	9.2	225	12	25		0.0	390	35	3	<1	430
9113	BOULDSIPH01	01/26/89	7:40	7.2	7.0	6.4			160			170	40	6	<1	220
9383	BOULDSIPH01	06/01/89	8:25	21.1	7.2	7.6	427	29	200		0.0	2000	130	14	<1	2100
9396	BOULDSIPH01	06/08/89	8:36	20.6	7.6	7.4	167	6	20		0.0	450	13	<1	<1	460
9409	BOULDSIPH01	06/15/89	9:00	22.1	7.5	7.5	187	11	40		0.0	410	20	1	<1	430
9422	BOULDSIPH01	06/19/89	8:23	21.7	7.9	8.4	176	7	20			380	18	1	<1	400
9503	BOULDSIPH01	07/07/89	10:15	23.5	7.4	8.7	147	11	20		0.0	280	15	0	0	300
9516	BOULDSIPH01	07/14/89	8:10	22.9	7.7	8.5	172	7	10		0.0	260	26	3	0	290
9529	BOULDSIPH01	07/21/89	6:24	22.5	7.1	8.7	132	7	15		0.0	380	19	1	0	400
8019	BRANNANPP01	01/12/88	10:00	7.5	6.5	8.1	854	17	200	34.0		2600	120	5	<1	2700
8153	BRANNANPP01	03/08/88	8:11	10.2	6.8		538	28	160	23.0		1800	120	4	<1	1900
8254	BRANNANPP01	04/18/88	7:50	15.0	6.7	4.2	356	20	300	22.0						
8338	BRANNANPP01	05/09/88	7:19	20.2	7.1	4.2	378	14	240		20.0	2200	120	<1	<1	2300
9003	BRANNANPP01	01/03/89	9:30	6.4	6.9	7.2	833	16	140		44.0	2000	150	13	<1	2200
9265	BRANNANPP01	04/17/89	7:49	19.4	7.2	5.0	582	12	200			3100	126	6	<1	3200
9435	BRANNANPP01	06/26/89	7:24	18.7	7.7	3.9	288	15	120		10.0	360	65	2	0	430
8020	BRANNANPP02	01/12/88	8:50	8.3	6.8	7.4	974	16	200	37.0		2000	87	5	2	2100
8154	BRANNANPP02	03/08/88	7:24	12.8	6.7		643	90	60	15.0		790	220	26	<1	1000
8255	BRANNANPP02	04/18/88	6:37	15.5	6.7	0.1	602	22	300	26.0						
8339	BRANNANPP02	05/09/88	6:17	17.1	6.8		585	17	280		30.0	1600	200	15	<1	1800
9004	BRANNANPP02	01/03/89	9:10	7.5	6.7	2.3	773	74	200		18.0	970	170	14	<1	1200
9266	BRANNANPP02	04/17/89	6:50	16.5	6.9	2.9	538	64	320			720	130	30	1	880

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L <----------				
9436	BRANNANPP02	06/26/89	6:41	17.2	6.9	2.0	565	46	200		11.0	740	200	49	2	990
8021	BRANNANPP03	01/12/88	9:05	8.3	6.6	2.5	1000	32	200	26.0		1500	130	15	<1	1600
8155	BRANNANPP03	03/08/88	7:39	13.8	6.8		1380	150	40	14.0		260	130	49	<1	440
8256	BRANNANPP03	04/18/88	7:00	16.0	6.5	0.0	1370	156	40	11.0						
8340	BRANNANPP03	05/09/88	6:38	17.8	6.8		1250	230	100		13.0	730	190	52	8	980
8476	BRANNANPP03	07/18/88	6:49	20.0	6.6	0.0	1010	31	600		16.0	1600	180	11	1	1800
9005	BRANNANPP03	01/03/89	8:50	6.0	7.1	6.9	1080	16	200		51.0	2200	220	22	<2	2400
9267	BRANNANPP03	04/17/89	7:28	17.2	6.8	2.9	1540	350	160			90	49	39	23	200
9437	BRANNANPP03	06/26/89	7:05	17.3	6.9	3.9	941	87	200		10.0	980	160	26	0	1200
8022	BRANNANPP04	01/12/88	9:40	11.2	6.8	7.1	889	12	200	32.0		3000	140	7	<1	3100
8156	BRANNANPP04	03/08/88	7:54	11.9	7.3		1000	17	140	30.0		2900	98	6	<1	3000
8257	BRANNANPP04	04/18/88	7:24	15.5	6.7	6.0	662	24	120	14.0						
8341	BRANNANPP04	05/09/88	6:57	17.4	7.5	8.0	403	18	100		9.1	1200	86	7	<1	1300
8477	BRANNANPP04	07/18/88	7:15	20.7	6.6	3.9	579	15	140		17.0	1500	130	8	<1	1600
9006	BRANNANPP04	01/03/89	8:15	7.4	6.4	7.0	1260	7	160		47.0	1900	300	29	<2	2200
9268	BRANNANPP04	04/17/89	7:28	18.4	7.3	6.3	892	22	200			2600	280	38	<1	2900
9438	BRANNANPP04	06/26/89	7:05	16.7	7.4	6.5	414	22	120		9.1	1400	140	11	0	1600
8563	CACHEMINER	07/19/88	10:00	24.5	7.6	7.5			15		1.9	340	16	<1	<1	360
8527	CHECK 12	07/12/88	15:35	24.3	7.7	11.6				2.6		300	120	72	7	500
8528	CHECK 13	07/12/88	14:45	20.5	8.1	9.8				3.3		350	130	90	7	580
8013	CLIFTON	01/07/88	10:36	7.3	7.3	12.0	588	13	25	4.6		460	170	60	4	690
8093	CLIFTON	02/10/88	9:25	11.2	7.1	9.8	364	12	40	4.6		720	65	18	<1	800
8148	CLIFTON	03/15/88	10:20	13.6	7.5	10.7	574	6	20	2.9		320	110	79	8	520
8237	CLIFTON	04/05/88	8:30	16.4	7.5	9.4	672	6	20	3.9		280	95	51	8	430
8332	CLIFTON	05/03/88	9:25	17.7	7.7	8.8	337	15	35	2.8		490	79	22	4	600
8424	CLIFTON	06/14/88	9:39	22.9	7.5	6.9	416	25	60	2.6		390	100	27	<1	520
8459	CLIFTON	07/12/88	9:23	23.0	7.5		560	19	30	2.6		390	120	76	6	590
8581	CLIFTON	08/09/88	11:30	23.8	7.6	7.4	616	12	20	2.4		230	120	89	15	450
8684	CLIFTON	09/06/88	9:15	24.6	7.6	7.2	713	10	20	2.5		240	150	62	14	470
8716	CLIFTON	10/04/88	9:36	20.8	7.8	7.9	617	7	20	4.3		230	110	51	6	400
8746	CLIFTON	11/01/88	10:34	17.5	7.6	8.3	844	11	20	3.0		150	130	110	5	400
8815	CLIFTON	12/13/88	10:45	11.5	7.1	10.6	726	12	30	4.4		540	230	150	15	940
9056	CLIFTON	01/10/89	10:45	8.7	7.0	11.5	655	9	30	4.4		340	120	70	8	540
9134	CLIFTON	02/07/89	9:50	6.6	6.9	10.8	827	8	30	4.1		210	170	140	14	530
9215	CLIFTON	03/07/89	9:30	13.5	7.2	9.8	503	7	25	3.5		230	110	47	7	390
9250	CLIFTON	04/04/89	9:10	16.3	7.7	8.0	231	12	40	4.5		500	49	5	<1	550
9348	CLIFTON	05/02/89	9:20	19.2	8.0	8.6	238	8	25	3.1		390	36	6	<1	430
9430	CLIFTON	06/06/89	9:30	22.0	7.8	8.1	266	19	40	3.2		470	60	10	<1	540
9550	CLIFTON	07/05/89	12:30	24.8	7.7	7.6	333	20	40		0.0	310	68	13	0	390
9639	CLIFTON	10/02/89	7:57	19.4	7.7	10.5	405	12	25		0.0	310	63	55	0	430
9665	CLIFTON	11/07/89	10:20	15.9	7.7	8.4	469	5	15		0.0	270	110	54	4	440
9687	CLIFTON	12/05/89	10:06	12.2	7.7		565	4	10		0.0	320	160	84	9	570
8157	CLIFTONCT	03/08/88	14:15	18.7	6.0	9.2	3510	33	80	9.1		460	480	300	110	1400
8258	CLIFTONCT	04/18/88	13:45	17.6	7.1	4.7	5100	30	50	6.0						
8342	CLIFTONCT	05/09/88	11:04	18.9	7.4	6.9	6460	26	80		7.6	210	540	840	430	2000
9007	CLIFTONCT	01/03/89	10:42	13.2	7.3	6.7	5620	25	50		6.0	120	310	380	210	1000
9269	CLIFTONCT	04/17/89	10:23	17.6	6.8	5.6	4710	13	50			300	390	380	130	1200
9439	CLIFTONCT	06/26/89	9:50	19.5	7.1	5.8	4980	22	40		6.6	120	250	350	280	1000
8023	COLUSA	01/12/88	11:50	7.6	7.5	10.5	568	144	35	8.4		890	47	3	<1	940
8158	COLUSA	03/08/88	11:12	12.9	7.5		799	56	15	3.3		310	73	20	<1	400

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L				---------->
8259	COLUSA	04/18/88	11:35	16.0	7.9	8.8	330	78	60	3.8						
8343	COLUSA	05/09/88	11:23	21.7	8.0	7.1	402	68	40		4.6	440	55	10	<1	510
8479	COLUSA	07/18/88	12:36	29.5	7.9	7.8	554	42	60		4.6	500	24	2	<1	530
9008	COLUSA	01/03/89	11:36	7.6		12.2	948	24	40		5.5	540	86	21	<1	650
9270	COLUSA	04/17/89	10:19	21.1	8.2	8.1	531	63	40			520	52	8	<1	580
9440	COLUSA	06/26/89	12:45	23.8	6.7	7.3	717	36	25		5.9	790	100	17	0	910
9571	CONNMAND	07/25/89	7:22	23.8			200	9			0.0	350	67	11	0	430
9593	DELTACRCHAN	07/25/89	6:46	20.3	7.7	9.3	120	9			0.0	300	10	0	0	310
8558	DISAPPHONKER	07/19/88	12:45	26.5	7.4	6.8			20		2.1	370	30	1	<1	400
8012	DMC	01/07/88	10:05	7.6	7.1	12.0	488	13	35	5.0		490	100	30	<1	620
8092	DMC	02/10/88	8:55	11.1	7.2	9.5	376	14	40	4.8		730	36	15	<1	780
8147	DMC	03/03/88	9:45	13.3	7.4	10.5	575	8	20	3.0		370	96	39	3	510
8236	DMC	04/05/88	8:10	15.0	7.5	9.6	635	8	15	2.8		230	110	70	12	420
8331	DMC	05/03/88	8:57	17.4	7.7	9.0	344	16	30	2.7		410	89	25	4	530
8423	DMC	06/14/88	8:56	22.3	7.5	6.8	441	28	40	2.4		330	90	28	<1	450
8458	DMC	07/12/88	8:55	23.0	7.6	7.8	571	15	30	2.5		190	130	120	25	470
8580	DMC	08/09/88	10:50	23.2	7.7	7.9	710	25	25	2.7		210	110	82	11	410
8683	DMC	09/06/88	8:45	24.7	7.7	6.9	814	28	25	2.1		300	160	81	18	560
8715	DMC	10/04/88	8:59	19.7	7.4	7.6	783	13	25	3.4		290	150	71	7	520
8745	DMC	11/01/88	10:11	17.0	7.4	8.2	883	18	20	3.1		180	34	20	15	250
8814	DMC	12/13/88	10:22	11.4	7.1	10.6	675	11	30	4.4		400	190	130	12	730
9055	DMC	01/10/89	9:55	13.0	6.7	11.2	563	8	35	5.0		440	110	41	4	600
9133	DMC	02/07/89	9:30	6.4	6.9	11.9	662	7	25	4.3		200	120	74	8	400
9214	DMC	03/07/89	9:10	13.2	7.3	9.9	567	8	25	3.7		280	130	68	5	480
9249	DMC	04/04/89	8:46	16.2	8.0	7.8	313	12		4.6		580	62	14	<1	660
9347	DMC	05/02/89	8:55	18.9	7.5	8.5	265	12	30	3.3		400	46	8	<1	450
9429	DMC	06/06/89	9:10	21.8	8.0	7.9	270	20	40	3.4		470	55	9	<1	530
9549	DMC	07/05/89	10:42	23.4	7.8	7.7	276	20	40		0.0	330	58	10	0	400
9586	DMC	07/25/89	8:30	24.8	7.3	8.1	540	23			0.0	350	160	67	4	580
9618	DMC	09/06/89	9:02	21.7	7.3	8.4	338	13	25		0.0	380	80	36	0	500
9638	DMC	10/02/89	8:14	19.2	7.9	10.2	364	13	25		0.0	340	59	37	1	440
9664	DMC	11/07/89	9:50	15.3	7.6	8.8	488	12	20		0.0	290	120	58	6	470
9686	DMC	12/05/89	9:39	11.6	7.7		689	7	15		0.0	300	170	88	10	570
8024	EGBERTPP01	01/12/88	9:10	6.3	7.1	9.3	968	56	100	32.0		2000	120	2	<1	2100
8159	EGBERTPP01	03/08/88	8:38	6.1	7.3		1080	46	120	25.0		2300	110	5	<1	2400
8260	EGBERTPP01	04/18/88	8:30	14.0	7.1	6.5	337	66	50	9.0						
8344	EGBERTPP01	05/09/88	8:30	15.5	7.4	3.2	903	52	160		32.0	3200	200	28	<1	3400
8480	EGBERTPP01	07/18/88	8:34	21.5	7.0	6.6	297	60	100		8.2	910	16	<1	<1	920
9009	EGBERTPP01	01/03/89	9:00	8.0		11.8	547	35	100		9.8	830	53	8	<1	890
9271	EGBERTPP01	04/17/89	7:53	17.2	7.4	5.7	524	69	80			1300	61	3	<1	1400
9441	EGBERTPP01	06/26/89	7:45	19.9	6.6	5.5	253	90	30		5.0	360	33	1	0	390
8025	EGBERTPP02	01/12/88	9:50	7.0	7.2	9.0	1350	64	60	10.0		1200	58	2	<1	1300
8160	EGBERTPP02	03/08/88	9:04	8.5	8.1		1820	26	160	52.0		3600	170	5	<1	3800
8261	EGBERTPP02	04/18/88	9:07	16.0	8.1	9.5	875	93	140	30.0						
8345	EGBERTPP02	05/09/88	8:55	17.1	8.2	4.5	1140	25	280		54.0	5000	30	<1	<1	5000
9010	EGBERTPP02	01/03/89	9:20	7.2		9.5	951	87	140		48.0	2300	130	14	<2	2400
9272	EGBERTPP02	04/17/89	8:15	16.2	7.7	11.1	1550	21	140			4900	150	7	<1	5100

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L			<---------->	
9442	EGBERTPP02	06/26/89	8:15	19.6	6.4	7.4	379	38	15		4.1	360	34	1	0	400
9594	GEORGSLWALNU	07/25/89	7:03	20.4	7.5	9.3	120	10			0.0	330	11	0	0	340
9584	GRANTLNCAN	07/25/89	7:20	24.5	6.6	7.9	800	31			0.0	270	190	110	11	580
9579	GRANTOLD	07/25/89	10:07	25.4			800	20			0.0	330	180	100	8	620
8001	GREENES	01/06/88	7:45	8.6	7.3	10.5	172	44	35	3.3		380	11	<1	<1	390
8108	GREENES	02/18/88	6:30	10.5	7.4	10.5	224	7	10	2.0		250	15	1	<1	270
8213	GREENES	03/17/88	6:50	13.4	7.2	10.3	219	7	10	1.9		250	14	1	<1	270
8249	GREENES	04/14/88	6:23	14.6	7.2	9.4	146			1.8		96	9	<1	<1	110
8394	GREENES	05/19/88	5:50	18.1	7.7	7.9	196	6	10	2.0		210	16	<1	<1	230
8416	GREENES	06/07/88	5:30	18.0	7.1	8.5	211	8	15	1.9		250	22	4	<1	280
8448	GREENES	07/06/88	6:08	20.8	7.3	7.5	142	10	10	2.0		200	7	1	<1	210
8570	GREENES	08/02/88	7:00	21.5	7.2	7.3			10	1.9		170	10	<1	<1	180
8690	GREENES	09/15/88	6:25	20.0	7.3	7.6	226	9	15	2.5		300	23	3	<1	330
8719	GREENES	10/13/88	6:00	18.2	7.3	7.1	154	5	10	1.6		130	9	<1	<1	140
8757	GREENES	11/17/88	7:29	12.2	8.3	9.1	203	6	10	2.2		210	16	1	<1	230
8803	GREENES	12/06/88	7:00	10.6	7.0	10.5	198	8	10	2.8		240	24	1	<1	260
9071	GREENES	01/17/89	7:15	8.6	7.1	11.9	207	12	25	3.2		320	15	1	<1	340
9151	GREENES	02/14/89	6:45	8.7	6.5	11.7	186	5	5	1.9		170	17	3	<5	190
9226	GREENES	03/14/89	7:26	12.7	6.4	9.0	114	70	80	5.5		710	23	0	<1	730
9255	GREENES	04/11/89	5:30	17.0	6.8	8.5	170	10	15	2.3		240	12	<1	<1	250
9351	GREENES	05/09/89	5:50	19.6	7.6	7.8	148	5	10	2.1		170	12	0	<1	180
9478	GREENES	06/13/89	6:00	19.9	7.1	8.4	167	7	10	2.2		290	15	1	<1	310
9553	GREENES	07/11/89	6:05	22.0	7.0	8.5	144	8	10		0.0	190	11	0	0	200
9592	GREENES	07/25/89	6:18	20.5	8.3	9.3	110	9			0.0	190	9	0	0	200
9622	GREENES	09/13/89	5:55	20.1	7.2	9.1	167	11	15		2.0	170	17	0	0	190
9642	GREENES	10/12/89	6:13	18.7	7.2		169	7	5		0.0	200	19	1	0	220
9671	GREENES	11/14/89	8:05	12.8	7.4	9.6	153	7	5		0.0	190	14	1	<1	200
9693	GREENES	12/12/89	9:00	9.9	7.1	11.4	142	6	5		1.8	190	12	<1	<1	200
9598	HONKER	07/25/89	8:59	23.8	7.4	8.6	160	7			0.0	360	36	2	0	400
8556	HONKERWHITE	07/19/88	11:35	26.5	7.4	6.8	170	10	15		2.0	400	20	<1	<1	420
8262	KARNAK	04/18/88	12:02	16.7	7.3	8.1	438	90	20	3.5						
8027	KINGISPP01	01/12/88	9:20	10.7	7.3	5.1	673	13	35	8.5		840	170	34	<1	1000
8162	KINGISPP01	03/08/88	10:18	13.3	7.1		420	17	40	8.6		810	84	5	<1	900
8263	KINGISPP01	04/18/88	7:33	60.0	14.6	7.1	390	7	60	9.0						
8348	KINGISPP01	05/09/88	7:52	18.8	7.5	4.7	403	9	80		9.6	1100	59	19	<1	1200
8484	KINGISPP01	07/18/88	7:09	20.5	7.4	3.1	439	7	100		8.9	930	52	9	<1	990
9138	KINGISPP01	02/06/89	9:15	5.9	8.6	8.2	456	12	60			420	58	5	<1	480
9275	KINGISPP01	04/17/89	7:58	17.5	7.1	3.4	692	21	120			960	240	68	3	1300
9445	KINGISPP01	06/26/89	7:40	17.1	7.3	2.6	392	14	50		6.4	863	67	6	0	940
8028	KINGISPP02	01/12/88	10:00	8.7	7.0	6.2	508		50	9.8		1400	100	8	<1	1500
8163	KINGISPP02	03/08/88	10:59	13.9	7.2		572	45	100	13.0		1300	82	9	<1	1400
8264	KINGISPP02	04/18/88	8:18	14.0	7.1	3.5	506	10	80	12.0						
8349	KINGISPP02	05/09/88	8:29	20.6	7.9	5.8	496	16	100		11.0	1300	140	31	12	1500
8485	KINGISPP02	07/18/88	7:57	23.0	7.1	2.3	652	6	140		21.0	1900	140	6	<1	2000
9014	KINGISPP02	01/03/89	9:30	8.3	7.5	7.2	606	78	140		13.0					
9139	KINGISPP02	02/06/89	9:50	2.0	8.0	7.5	544	210	100			580	67	7	<1	650
9276	KINGISPP02	04/17/89	8:18	17.6	7.5	3.1	538	18	70			1300	150	10	<1	1500
9446	KINGISPP02	06/26/89	8:08	16.7	7.1	2.7	477	96	80		11.0	1400	101	11	0	1500
8029	KINGISPP03	01/12/88	9:40	9.2	7.3	6.8	1140	13	60	9.8		1000	260	79	12	1400
8164	KINGISPP03	03/08/88	10:39	15.1	7.3		848	32	60	8.1		640	250	95	6	990

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L <---------->				
8265	KINGISPP03	04/18/88	7:51		7.3	5.2	900	15	60	7.9						
8350	KINGISPP03	05/09/88	8:13	21.0	7.9	6.8	960	7	80		12.0	1000	560	210	18	1800
9015	KINGISPP03	01/03/89	9:10	8.2	7.2	7.3	1210	28	120		13.0					
9140	KINGISPP03	02/06/89	9:30	2.0	8.6	12.9	1670	9	60			270	300	270	64	900
9277	KINGISPP03	04/17/89	7:39	17.1	7.4	2.5	397	8	40			830	59	5	<1	890
9447	KINGISPP03	06/26/89	7:53	18.7	7.0	4.4	470	34	140		12.0	1370	167	27	0	1600
9572	LATHAM	07/25/89	7:05	23.8			180	8			0.0	360	130	15	0	510
8073	LCONNECT	01/21/88	8:42	8.8	7.2	10.4	262	14	40	4.7		670	63	4	<1	740
8131	LCONNECT	02/23/88	8:20	11.5	7.3	10.1	240	6	10	2.4		930	23	1	<1	950
8222	LCONNECT	03/24/88	8:45	15.3	7.4	9.6	225	3	10	1.9		220	22	3	<1	250
8321	LCONNECT	04/28/88	9:05	16.6	7.7	8.8	174	6	25	2.8		370	18	<1	<1	390
8398	LCONNECT	05/26/88	7:50	20.5	8.0	9.6	226	9	25	2.3		260	37	3	<1	300
8430	LCONNECT	06/22/88	6:08	21.9	7.4	7.4	261	7	35	5.0		630	46	4	<1	680
8465	LCONNECT	07/14/88	9:15	22.4	7.3	7.2			20	3.0		450	20	1	<1	470
8587	LCONNECT	08/16/88	8:30	22.0	7.5	7.4	184	6	15	2.1		240	24	24	<1	290
8699	LCONNECT	09/22/88	6:09	18.7	7.6	8.0	275	4	15	2.3		300	33	16	6	360
8728	LCONNECT	10/20/88	8:10	19.4	7.1	7.7	386	3	20	4.0		400	57	35	1	490
8750	LCONNECT	11/10/88	8:15	16.1	6.8	8.4	206	4	15	4.0		310	28	3	<1	340
8839	LCONNECT	12/20/88	9:30	11.2	7.3	10.1	245	5	40	7.5		830	42	2	<1	870
9097	LCONNECT	01/31/89	8:45	9.9	7.0	10.6	255	4	20	3.1		200	32	5	<1	240
9187	LCONNECT	02/28/89	8:20	13.0	6.8	9.8	228	4	15	2.6		190	33	7	<1	230
9240	LCONNECT	03/28/89	8:40	14.8	7.4	8.1	148	10	30	4.3		520	28	3	<1	550
9337	LCONNECT	04/25/89	8:02	16.8	8.1	8.5	163	5	15	2.1		220	21	2	<1	240
9367	LCONNECT	05/23/89	8:07	18.7	8.1	8.7	165	6	20	2.8		310	21	1	<1	330
9487	LCONNECT	06/21/89	7:50	21.5	7.5	8.1	204	7	20		3.5	390	45	3	0	440
9561	LCONNECT	07/18/89	8:15	23.9	7.1	7.4	176	7	35		0.0	580	27	3	0	610
9599	LCONNECT	07/25/89	9:16	25.1	7.4	7.9	130	6			0.0	360	24	1	0	390
9650	LCONNECT	10/17/89	12:21	20.6		8.3	162	4	5		0.0	280	20	2	<1	300
9669	LCONNECT	11/07/89	14:20	14.3	7.5	8.9	162	6	15		0.0	430	26	2	<1	460
9691	LCONNECT	12/05/89	13:25	13.3	7.6		195	5	15		0.0	420	34	3	<1	460
8003	LINDSEY	01/06/88	12:34	11.2	7.3	10.0	723	20	60	8.6		950	72	5	<1	1000
8110	LINDSEY	02/18/88	12:30	11.7	7.3	9.7	551	50	50	7.8		1500	48	4	2	1600
8208	LINDSEY	03/17/88	8:39	14.1	7.5	10.1	547		60	5.4		680	52	5	<1	740
8245	LINDSEY	04/14/88	9:36	18.4	7.8	8.9	593			5.6		850	56	7	3	920
8389	LINDSEY	05/19/88	10:27	20.2	7.8	4.6	605	29	60	6.0		810	66	6	<1	880
8412	LINDSEY	06/07/88	7:30	17.7	7.6	4.3	525	37	80	5.2		660	53	5	1	720
8451	LINDSEY	07/06/88	8:04	21.2	7.6	7.6	325	42	60	3.2		570	36	4	<1	610
8573	LINDSEY	08/02/88	12:48	21.7	8.1	8.3	287	42	60	3.9		590	45	2	<1	640
8693	LINDSEY	09/15/88	7:55	18.7	7.5	8.6	259	25	40	3.2		380	29	2	<1	410
8722	LINDSEY	10/13/88	8:35	17.0	8.0	9.1	274	20	50	3.0		370	33	3	<1	410
8760	LINDSEY	11/17/88	9:16	12.8	7.8	9.5	258	19	35	2.8		320	34	3	<1	360
8806	LINDSEY	12/06/88	9:15	10.2	7.2	11.0	249	17	30	3.1		330	39	3	<1	370
9074	LINDSEY	01/17/89	9:30	7.8	7.5	11.8	331	18	35	4.2		460	35	4	<1	500
9154	LINDSEY	02/14/89	8:45	8.0	6.9	12.3	370	11	30	3.4		290	40	8	<5	330
9229	LINDSEY	03/14/89	9:00	14.2	8.0	9.3	480	13	35	4.9		570	47	9	<1	630
9258	LINDSEY	04/11/89	7:25	18.7	7.5	8.0	453	16	35	4.5		530	54	8	<1	590
9354	LINDSEY	05/09/89	8:20	19.4	7.8	8.2	406	19	35	4.1		380	39	5	<1	420
9481	LINDSEY	06/13/89	8:10	18.7	7.5	8.9	315	46	80	5.2		660	40	3	<1	700
9555	LINDSEY	07/11/89	8:25	21.0	7.2	8.6	263	28	60		0.0	460	37	2	0	500
9608	LINDSEY	08/16/89	9:05	22.2	7.8	9.5	219	18	40		2.7	530	33	1	0	560

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L <---------->				
9624	LINDSEY	09/13/89	8:20	19.4	7.6	9.0	234	23	40		3.2	330	34	2	0	370
9644	LINDSEY	10/12/89	9:36	19.2	7.2		332	29	50		5.2	550	99	7	0	660
9673	LINDSEY	11/14/89	13:05	14.1	7.9	9.2	265	14	40		0.0	410	33	4	<1	450
9695	LINDSEY	12/12/89	11:05	10.0	7.3	11.3	268	11	25		13.0	410	42	3	<1	450
8554	LPOTATOWHITE	07/19/88	11:10	25.5	7.4	7.0	159	10	15		1.7	360	17	<1	<1	380
8612	LPOTATOWHITE	08/10/88	8:33	21.9	7.8		167	10	10		2.3	240	16	<1	<1	250
8627	LPOTATOWHITE	08/17/88	8:40	22.2	7.7		189	8	15		2.2	220	22	1	<1	240
8654	LPOTATOWHITE	08/24/88	8:25	21.8	8.1		192	12	15		3.6	340	20	2	<1	360
8670	LPOTATOWHITE	08/31/88	8:30	24.0	8.0				10		3.7	310	26	2	<1	340
8777	LPOTATOWHITE	11/30/88	11:48	10.6	8.2	8.5	177	22			4.8	600	29	2	<1	630
8791	LPOTATOWHITE	12/07/88	9:55	10.0	8.3	9.6	203	9	20		4.5	400	28	4	<1	430
8821	LPOTATOWHITE	12/20/88	9:55	8.6	8.0	10.3	209	7	15		2.5	310	27	2	<1	340
8848	LPOTATOWHITE	12/28/88	8:50	6.5	7.6	11.4	194	9	20		2.6	340	25	1	<1	370
9062	LPOTATOWHITE	01/11/89	9:25	6.7	8.0		236	8	25		0.0	420	3	3	<1	430
9082	LPOTATOWHITE	01/18/89	9:15	7.3	7.9	11.4	221	7	25		0.0	400	29	3	<1	430
9107	LPOTATOWHITE	01/26/89	8:07	7.2	7.9	11.4	249	5	20			200	18	6	<1	220
9120	LPOTATOWHITE	02/02/89	9:45	8.5	7.7	10.2	246	5	20		0.0	240	25	5	<1	270
9377	LPOTATOWHITE	06/01/89	8:50	19.4	7.8	11.2	163	6	15		0.0	240	18	<1	<1	260
9403	LPOTATOWHITE	06/15/89	7:24	21.3	7.7	8.5	173	8	10		0.0	310	19	2	<1	330
9416	LPOTATOWHITE	06/19/89	8:02	21.7	8.1	8.4	189	7	15			270	21	2	<1	290
9497	LPOTATOWHITE	07/06/89	10:00	23.3	7.8	8.7	147	10	20		0.0	330	15	14	0	360
9510	LPOTATOWHITE	07/13/89	7:53	22.5	7.9	8.8	162	7	15		0.0	360	24	2	0	390
9523	LPOTATOWHITE	07/20/89	7:02	22.9	7.0	8.6	147	6	15		0.0	300	20	1	0	320
9536	LPOTATOWHITE	07/27/89	6:50	21.5	8.2	8.7	136	9	10		0.0	260	21	1	0	280
8553	LPOTTERM	07/19/88	10:25	25.0	7.5	7.2	158	9	20		1.8	370	15	<1	<1	380
8611	LPOTTERM	08/10/88	8:14	22.0	7.7		169	10	10		2.2	250	17	<1	<1	270
8626	LPOTTERM	08/17/88	8:19	21.8			175	8	10		2.3	430	18	<1	<1	450
8653	LPOTTERM	08/24/88	8:10	21.2	7.7		198	10	15		4.0	260	20	2	<1	280
8669	LPOTTERM	08/31/88	8:15	23.9	7.3				10		3.1	370	17	<1	<1	390
8776	LPOTTERM	11/30/88	10:18	10.0	8.1	8.8	173	22	50		4.9	710	19	2	<1	730
8790	LPOTTERM	12/07/88	8:30	10.0	7.5		221	12	25		5.4	440	35	6	<1	480
8818	LPOTTERM	12/20/88	9:00	8.7	7.4	10.7	216	9	15		3.3	330	31	4	<1	360
8845	LPOTTERM	12/28/88	8:20	6.7	7.6	11.8	196	9	25		3.0	370	22	3	<1	390
9059	LPOTTERM	01/11/89	8:40	6.6	7.6		217	10	20		0.0	390	31	2	<1	420
9079	LPOTTERM	01/18/89	8:41	6.9	8.3	11.5	212	8	30		0.0	320	26	2	<1	350
9104	LPOTTERM	01/26/89	10:01	8.6	6.6	11.0	234	6	10			150	13	2	<1	160
9117	LPOTTERM	02/02/89	8:50	8.3	7.3	10.3	249	6	20		0.0	350	23	4	<1	380
9374	LPOTTERM	06/01/89	7:50	19.8	8.1	8.1	169	7	10		0.0	580	220	80	6	890
9387	LPOTTERM	06/08/89	7:30	19.8	8.3	10.0	161	8	5		0.0	260	15	<1	<1	270
9400	LPOTTERM	06/15/89	8:15	21.6	7.6	8.4	181	11	15		0.0	320	24	2	<1	350
9413	LPOTTERM	06/19/89	8:35	21.1	8.0	8.3	181	9	15			250	18	2	<1	270
9494	LPOTTERM	07/06/89	7:30	20.5	8.2	8.9	143	7	20		0.0	260	15	0	0	280
9507	LPOTTERM	07/13/89	8:18	23.2	7.9	8.9	170	7	15		0.0	260	27	38	1	330
9520	LPOTTERM	07/20/89	6:45	22.5	7.3	8.6	133	8	15		0.0	300	12	0	0	310
9597	LPOTTERM	07/25/89	8:24	22.3	7.8	9.2	120	13			0.0	360	22	1	0	380
9533	LPOTTERM	07/27/89	6:25	21.6	8.3	8.7	132	13	10		0.0	230	21	1	0	250
8005	MALLARDIS	01/06/88	10:00	7.8	8.0	11.4	7070	18	15	3.7		17	73	250	540	880
8112	MALLARDIS	02/18/88	9:45	12.0	8.0	11.5	5400	28	20	2.6		35	170	500	540	1200
8210	MALLARDIS	03/17/88	11:09	15.0	7.8	9.0	7760	18	20	2.0		18	110	350	590	1100
8246	MALLARDIS	04/14/88	11:16	17.5	7.8	8.7	3590			2.3		35	110	220	220	590

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L <---------->				
8391	MALLARDIS	05/19/88	8:38	18.4	7.8	8.4	9110	28	35	1.6		8	50	250	550	860
8413	MALLARDIS	06/07/88	9:26	8.3	8.4	7.9	9540	21	40	1.5		8	64	200	430	700
8453	MALLARDIS	07/06/88	10:00	23.4	7.9	7.5	11500	11	20	0.8		8	44	240	720	1000
8575	MALLARDIS	08/02/88	10:30	21.7	7.9	8.0			25	1.9		160	91	310	530	1100
8696	MALLARDIS	09/15/88	9:55	19.9	7.6	8.3	11000	22	20	2.4		14	40	190	480	720
8725	MALLARDIS	10/13/88	10:40	18.2	7.8	8.4	9930	15	35	2.4		7	47	150	330	530
8763	MALLARDIS	11/17/88	11:20	15.0	7.9	9.2	15000	20	15	2.2		7	41	180	670	900
8809	MALLARDIS	12/06/88	11:15	12.9	7.4	10.4	16400	19	15	2.1		4	42	190	600	840
9077	MALLARDIS	01/17/89	11:20	10.5	7.3	11.6	12500	25	20	3.9		80	160	590	1400	2200
9157	MALLARDIS	02/14/89	10:30	10.2	6.3	11.6	15000	14	15	2.4		7	23	170	790	990
9232	MALLARDIS	03/14/89	11:04	14.8	7.8	9.5	764	28	50	4.1		320	190	120	13	640
9261	MALLARDIS	04/11/89	9:10	19.3	7.4	8.6	1180	31	50	3.6		190	210	280	100	780
9357	MALLARDIS	05/09/89	10:20	19.4	7.4	8.4	5950	27	25	3.6		26	130	380	630	1200
9484	MALLARDIS	06/13/89	10:00	20.1	7.1	9.1	2650	29	60	3.4		77	190	290	190	750
9558	MALLARDIS	07/11/89	10:30	22.3	7.5	9.1	7930	29	20		0.0	10	76	270	420	780
9610	MALLARDIS	08/16/89	10:47	23.1	7.5	9.7	2580	15	20		2.2	48	110	180	160	500
9627	MALLARDIS	09/13/89	10:15	21.0	7.2	9.4	4960	11	15		2.5	29	71	180	180	460
9647	MALLARDIS	10/12/89	8:12	19.0	7.2	8.6	7890	11	10		3.1	15	68	5	500	590
9676	MALLARDIS	11/14/89	10:15	15.6	7.8	8.7	13800	12	15		0.0	4	45	260	630	940
9698	MALLARDIS	12/12/89	14:05	12.4	7.6	10.2	14200	13	10		1.9	5	45	240	580	870
8335	MAZE	05/03/88	7:38	15.7	7.8	8.3	1480	28	25	3.8		390	160	120	41	710
8426	MAZE	06/14/88	7:20	23.0	7.8	6.9	1350	52	40	3.6		370	190	100	18	680
8427	MAZE	06/14/88	7:20								4.1	250	160	120	20	550
8461	MAZE	07/12/88	7:19	23.5	7.9	7.1	1530	64	35	4.0		650	240	160	26	1100
8462	MAZE	07/12/88	7:19								4.2	440	280	160	34	910
8583	MAZE	08/09/88	9:00	22.4	7.8	6.8	1360	96	40	4.0		530	160	98	16	800
8584	MAZE	08/09/88	9:00	22.4	7.8	6.8	1360				4.3	310	180	120	27	640
8687	MAZE	09/06/88	7:20	24.6	7.8	6.1					4.2	270	210	150	42	670
8686	MAZE	09/06/88	7:20	24.6	7.8	6.1	1480	33	40	4.1		390	220	120	41	770
8712	MAZE	10/04/88	7:34	18.5	8.0	8.8			25	4.6		310	230	170	25	740
8713	MAZE	10/04/88	7:34	18.5	8.0	8.8					4.4	260	190	140	30	620
8712	MAZE	10/04/88	7:34	18.5	8.0	8.8	1530	22	25	4.6		310	230	170	25	740
8743	MAZE	11/01/88	8:54	15.8	7.5	8.3					0.0	140	150	120	18	430
8742	MAZE	11/01/88	8:54	15.8	7.5	8.3	1290	21	25	4.4		260	150	110	<1	520
8812	MAZE	12/13/88	8:57	10.4	7.4	9.3	1280	14	20	4.6		310	240	130	16	700
9053	MAZE	01/10/89	8:30	10.4	7.3	8.4	1340	13	40	7.7		450	160	70	10	690
9131	MAZE	02/07/89	8:15	5.6	7.2	10.6	1520	9	20	4.1		120	120	65	17	320
9212	MAZE	03/07/89	8:00	14.9	7.4	7.7	1100	22	35	7.1		480	170	69	7	730
9247	MAZE	04/04/89	7:36	16.4	8.0	6.9	1400	22	25	5.0		410	220	140	24	790
9345	MAZE	05/02/89	7:40	19.2	7.4	6.8	915	36	40	6.4		610	150	68	5	830
9427	MAZE	06/06/89	7:25	21.3	7.9	7.1	1280	64	35	5.4		470	220	120	20	830
9547	MAZE	07/05/89	9:10	23.5	7.7	7.5	1210	96	50		0.0	290	180	110	16	600
9602	MAZE	08/03/89	7:40	21.8	7.7	8.3	1130	105	70		5.0	380	170	100	35	690
9616	MAZE	09/06/89	7:36	21.8	7.6	7.8	1320	31	50		0.0	380	190	100	23	690
9636	MAZE	10/02/89	9:49	20.1	6.8	9.0	1120	23	35		0.0	270	110	58	16	450
9662	MAZE	11/07/89	8:10	13.5	7.4	8.5	1040	20	20		0.0	280	160	100	18	560
9684	MAZE	12/05/89	7:55	9.6	8.4		1120	15	20		0.0	310	190	104	15	620
9220	MC01	03/10/89	8:50	15.6	6.6	9.0	65	58	240	12.0		1100	23	0	<1	1100
9221	MC02	03/10/89	9:40	16.0	6.8	8.6	79	68	200	12.0		820	22	0	<1	840
9222	MC03	03/10/89	10:00	16.7	6.8	8.6	83	68	160	12.0		940	19	1	<1	960

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L				<--------->
9223	MC04	03/10/89	10:50	17.2	6.8	8.5	91	46	140	12.0		930	23	2	<1	950
8165	MCCORWIL01	03/08/88	10:28	12.5	7.3		386	10	25	6.9		750	25	2	<1	780
8266	MCCORWIL01	04/18/88	11:23	17.5	6.9	6.1	333	22	60	7.3						
8375	MCCORWIL01	05/09/88	10:02				250	16	60		6.4	670	47	1	<1	720
8351	MCCORWIL01	05/09/88	10:27	22.2	7.1	4.8	250	16	60		6.6	610	41	7	<1	660
8487	MCCORWIL01	07/18/88	10:48	25.5	7.0	4.9	166	32	80		3.3	380	8	<1	<1	390
9016	MCCORWIL01	01/03/89	12:35	7.6	7.6	10.6	311	16	40		8.0	390	20	3	<1	410
9278	MCCORWIL01	04/17/89	10:21	19.8	7.6	6.5	120	40	80			470	6	<1	<1	470
9448	MCCORWIL01	06/26/89	9:52	19.9	7.6	6.0	151	20	40		2.5	400	19	0	0	420
8166	MCCORWIL02	03/08/88	10:44	9.5	7.3		458	20	25	6.2		760	30	<1	1	790
8267	MCCORWIL02	04/18/88	11:54	17.5	6.9	6.6	153	29	80	8.1						
8352	MCCORWIL02	05/09/88	10:52	21.7	7.4	6.2	204	31	30		4.7	650	14	<1	<1	660
9017	MCCORWIL02	01/03/89	13:05	7.5	7.6	12.1	391	12	50		3.2	310	11	1	<1	320
9279	MCCORWIL02	04/17/89	9:59	18.8	7.5	6.6	268	136	120			670	15	1	<1	690
9449	MCCORWIL02	06/26/89	9:33	20.0	7.5	7.2	204	80	100		2.9	423	30	1	0	450
8072	MIDDLER	01/21/88	7:39	7.8	7.2	10.8	445	13	50	5.9		620	130	22	<1	770
8130	MIDDLER	02/23/88	7:15	12.0	7.2	10.8	321	9	20	3.7		260	40	4	<1	300
8221	MIDDLER	03/24/88	7:30	17.9	7.2	9.4	472	4	20	2.9		270	68	25	2	370
8320	MIDDLER	04/28/88	7:35	17.5	7.7	8.7	324	9	25	2.9		390	70	19	<1	480
8397	MIDDLER	05/26/88	9:30	19.5	8.2	8.6	340	25	40	2.7		380	59	15	<1	450
8429	MIDDLER	06/22/88	7:34	23.0	7.0	6.8	396	15	40	3.9		360	<1	28	<1	390
8464	MIDDLER	07/14/88	10:00	22.4	7.4	7.4			35	3.9		500	83	30	2	620
8602	MIDDLER	08/10/88	8:23	22.7	7.9				25		3.1	350	130	41	2	520
8586	MIDDLER	08/16/88	9:40	22.9	7.4	7.5	401	9	25	2.3		270	90	50	4	410
8620	MIDDLER	08/17/88	9:46	23.4	7.6		401	11	25		3.1	200	81	45	2	330
8628	MIDDLER	08/17/88	9:34	23.4	7.7		398	9	20		2.9	270	82	49	2	400
8650	MIDDLER	08/24/88	9:25	22.8	7.8		373	8	20		3.0	760	84	39	3	890
8649	MIDDLER	08/24/88	9:35	22.8	7.8		373	10	20		3.3	220	81	37	3	340
8665	MIDDLER	08/31/88	9:35	23.6	8.5				20		4.7	370	110	51	6	540
8698	MIDDLER	09/22/88	7:32	20.3	7.3	7.6	442	6	20	2.7		320	68	24	8	420
8727	MIDDLER	10/20/88	8:55	19.8	7.3	8.0	501	36	25	4.9		660	66	55	4	790
8749	MIDDLER	11/10/88	9:05	16.7	8.0	8.5	660	5	30	3.6		280	140	110	11	540
8780	MIDDLER	11/30/88	12:10	11.8	7.9	9.9	596	5	25		4.7	370	180	82	6	640
8794	MIDDLER	12/07/88	11:00	10.6	8.2	9.4	529	11	25		5.1	410	110	32	4	560
8823	MIDDLER	12/20/88	10:55	8.5	7.9	10.0	603	9	35		5.5	660	190	64	3	920
8832	MIDDLER	12/20/88	10:20	10.7	7.3	10.7	608	8	35	5.7		590	200	87	5	880
8850	MIDDLER	12/28/88	9:59	7.0	7.7	11.4	564	7	35		5.8	570	140	48	3	760
9064	MIDDLER	01/11/89	10:15	6.2	8.0		469	9	35		0.0	590	130	44	1	770
9084	MIDDLER	01/18/89	10:15	6.9	7.2	10.6	414	8	35		0.0	520	100	26	<1	650
9109	MIDDLER	01/26/89	9:40	7.5		11.2	434	7	30			330	84	16	1	430
9096	MIDDLER	01/31/89	9:45	9.6	7.0	10.9	428	6	35	4.6		320	99	25	2	450
9122	MIDDLER	02/02/89	10:45	8.1	7.6	10.3	449	5	25		0.0	320	94	29	2	450
9186	MIDDLER	02/28/89	9:20	13.1	6.8	10.4	438	6	20	3.6		700	150	58	2	910
9239	MIDDLER	03/28/89	7:49	15.5	7.0	7.7	271	10	35	4.9		570	83	18	<1	670
9336	MIDDLER	04/25/89	7:12	16.7	8.4	8.5	200	8	25	3.3		370	34	3	<1	410
9366	MIDDLER	05/23/89	7:03	19.4	8.3	8.0	259		25	3.1		340	44	6	<1	390
9379	MIDDLER	06/01/89	9:50	20.5	8.0	11.2	255	13	30		0.0	330	40	5	<1	370
9392	MIDDLER	06/08/89	9:15	21.3	7.8	9.5	240	17	35		0.0	290	27	2	<1	320
9405	MIDDLER	06/15/89	7:15	24.3	7.5	7.1	271	16	30		0.0	400	60	13	<1	470
9418	MIDDLER	06/19/89	8:11	22.4	7.5	7.1	255	16	40			330	55	9	<1	390

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L			<---------->	
9486	MIDDLER	06/21/89	8:45	22.7	7.4	7.3	257	17	35		2.8	211	49	8	0	270
9499	MIDDLER	07/06/89	6:30	23.6	7.6	7.2	248	12	35		0.0	480	53	8	0	540
9512	MIDDLER	07/13/89	9:10	24.2	8.0	8.0	229	9	25		0.0	360	49	8	0	420
9560	MIDDLER	07/18/89	9:15	26.6	7.2	7.8	244	12	25		0.0	310	44	1	0	360
9525	MIDDLER	07/20/89	9:17	24.8	6.5	7.9	248	11	35		0.0	370	55	10	0	440
9588	MIDDLER	07/25/89	9:50	25.7	7.8	8.2	200	10			0.0	360	84	11	0	460
9538	MIDDLER	07/27/89	9:05	24.2	7.4	8.1	229	10	20		0.0	320	50	10	0	380
9629	MIDDLER	09/20/89	6:45	19.5	8.5	9.3	347	9	15		4.1	440	91	49	2	580
9649	MIDDLER	10/17/89	10:40	19.7	7.0	8.1	436	8	20		0.0	310	83	29	1	420
9668	MIDDLER	11/07/89	12:00	15.9	7.8	9.0	423	7	15		0.0	320	90	30	2	440
9690	MIDDLER	12/05/89	11:36	13.3	7.6		442	5	15		0.0	300	110	44	3	460
9583	MIDMOWRY	07/25/89	7:45	23.7	7.2	8.2	800	44			0.0	360	230	100	7	700
8644	MIDWOODWARD	08/10/88	8:10									210	86	33	2	330
8603	MIDWOODWARD	08/10/88	8:10	22.6	7.8				20		2.8	230	94	40	2	370
8643	MIDWOODWARD	08/17/88	9:34							2.5		230	94	49	2	380
8651	MIDWOODWARD	08/24/88	9:25							2.4		1200	73	41	4	1300
8667	MIDWOODWARD	08/31/88	9:25	23.7	8.4					2.9		260	89	46	3	400
8666	MIDWOODWARD	08/31/88	9:25	23.7	8.4				20		3.5	300	93	50	3	450
8793	MIDWOODWARD	12/07/88	10:45	10.5	8.0	9.2	511	10	30		5.0	410	150	54	3	620
8822	MIDWOODWARD	12/20/88	10:40	8.5	7.8	9.9	611	9	30		5.3	440	170	69	3	680
8849	MIDWOODWARD	12/28/88	9:02	6.5	7.5	11.1	586	10	40		7.2	780	180	32	<1	990
9063	MIDWOODWARD	01/11/89	10:00	6.2	8.2		464	8	35		0.0	510	120	47	1	680
9083	MIDWOODWARD	01/18/89	9:45	6.8	6.8	11.2	398	13	40		0.0	460	96	23	<1	580
9108	MIDWOODWARD	01/26/89	9:17	7.3		10.9	432	6	30			350	72	33	1	460
9121	MIDWOODWARD	02/02/89	10:35	8.1	7.5	10.2	470	5	25		0.0	280	97	33	3	410
9378	MIDWOODWARD	06/01/89	9:30	20.3	8.0	9.7	244	16	30		0.0	310	39	5	<1	350
9391	MIDWOODWARD	06/08/89	9:00	21.2	7.8	9.6	238	20	35		0.0	240	44	6	<1	290
9404	MIDWOODWARD	06/15/89	9:00	23.5	7.7	7.4	264	16	30		0.0	390	55	9	<1	450
9417	MIDWOODWARD	06/19/89	7:32	23.0	7.6	7.0	258	16	40			390	52	10	<1	450
9498	MIDWOODWARD	07/06/89	6:00	23.4	6.9	7.3	251	14	35		0.0	650	53	9	0	710
9511	MIDWOODWARD	07/13/89	10:04	24.5	7.6	7.9	228	8	25		0.0	420	54	8	0	480
9524	MIDWOODWARD	07/20/89	10:00	25.2	6.1	7.8	244	10	30		0.0	390	49	8	0	450
9537	MIDWOODWARD	07/27/89	9:43	24.3	7.7	8.0	230	8	20		0.0	370	54	9	0	430
8122	MITCHELL	02/24/88	17:53	17.5	7.0		606	4	5	0.6		0	<1	<1	<5	<7
8551	MOKGEORGIANA	07/19/88	9:50	24.0	7.6	7.5	151	7	10		1.5	370	15	<1	<1	380
8610	MOKGEORGIANA	08/10/88	7:56	21.8	7.6		164	8	10		2.2	290	37	9	<1	340
8625	MOKGEORGIANA	08/17/88	7:53	21.8			175	9	15		1.9	300	15	<1	<1	310
8652	MOKGEORGIANA	08/24/88	7:52	21.8	7.9		187	8	10		2.4	1200	16	<1	<1	1200
8668	MOKGEORGIANA	08/31/88	8:00	24.0	6.8				10		3.0	290	<1	15	<1	310
8775	MOKGEORGIANA	11/30/88	9:47	9.9	8.4	8.9	175	29	50		6.4	620	27	2	<1	650
8789	MOKGEORGIANA	12/07/88	9:00	10.2	8.0	10.3	196	9	15		5.4	290	28	3	<1	320
8819	MOKGEORGIANA	12/20/88	9:20	8.5	7.9	11.0	179	8	10		2.0	210	15	1	<1	230
9060	MOKGEORGIANA	01/11/89	8:55	6.4	8.1		200	13	30		0.0	360	19	1	<1	380
9080	MOKGEORGIANA	01/18/89	10:43	7.9	6.9	11.4	201	14	30		0.0	380	18	1	<1	400
9105	MOKGEORGIANA	01/26/89	7:50	7.3	7.4	11.2	261	6	20			200	18	4	<1	220
9118	MOKGEORGIANA	02/02/89	9:50	8.4	7.6	10.4	213	6	20		0.0	250	20	2	<1	270
9375	MOKGEORGIANA	06/01/89	8:10	19.6	7.8	8.7	157	7	5		0.0	210	12	<1	<1	220
9388	MOKGEORGIANA	06/08/89	7:55	20.4	7.9	9.3	152	7	5		0.0	250	12	<1	<1	260
9401	MOKGEORGIANA	06/15/89	6:45	21.5	8.5	8.2	164	9	10		0.0	480	41	5	<1	530
9414	MOKGEORGIANA	06/19/89	6:39	20.6	7.9	8.5	155	6	10			250	11	<1	<1	260

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L				<--------->
9495	MOKGEORGIANA	07/06/89	7:15	21.2	7.8	9.2	145	7	10		0.0	360	100	7	0	470
9508	MOKGEORGIANA	07/13/89	6:33	21.5	7.9	8.7	144	10	10		0.0	280	25	12	0	320
9521	MOKGEORGIANA	07/20/89	8:20	22.5	6.6	9.1	127	8	10		0.0	270	9	0	0	280
9596	MOKGEORGIANA	07/25/89	8:00	21.4	7.7	9.1	120	10			0.0	350	10	0	0	360
9534	MOKGEORGIANA	07/27/89	8:09	21.3	7.3	9.2	120	20	5		0.0	220	8	0	0	230
8355	MOSSDALE01	05/09/88	8:32	16.4	7.1	2.8	680	23	30		3.4	290	120	46	<1	460
8492	MOSSDALE01	07/18/88	7:02	24.0	7.6	8.1	1000	260	100		6.8	420	150	44	2	620
9021	MOSSDALE01	01/03/89	8:33	7.8	7.4	7.5	761	7	10		2.2	160	84	48	8	300
9280	MOSSDALE01	04/17/89	7:38	16.1	7.4	7.6	858	39	40			320	140	75	7	540
9450	MOSSDALE01	06/26/89	7:39	21.3	8.1	6.8	1780	5	50		6.8	180	140	310	110	740
8036	MOSSDALE02	01/12/88	9:30	10.7	7.3	5.0	667	88	15	2.5		210	80	24	3	320
8173	MOSSDALE02	03/08/88	9:30	14.7	7.5	5.0	699	9	15	3.3		390	150	40	7	590
8271	MOSSDALE02	04/18/88	9:29	14.9	7.3	4.2	1770	13	50	10.0						
8356	MOSSDALE02	05/09/88	8:46	18.3	8.5	9.0	923	4	15		3.4	350	150	130	17	650
9022	MOSSDALE02	01/03/89	8:46	11.3	7.3	4.1	805	4	10		1.9	180	92	24	2	300
9281	MOSSDALE02	04/17/89	7:52	17.1	7.5	7.1	936	28	60			560	180	80	6	830
9451	MOSSDALE02	06/26/89	7:58	22.4	7.6	4.6	936	37	50		5.2	280	120	86	13	500
8038	MOSSDALE04	01/12/88	10:00	6.4	7.6	6.3	689	80	80	5.9		620	97	29	<1	750
8175	MOSSDALE04	03/08/88	10:07	13.0	7.5	4.7	1080	46	60	7.6		680	170	56	4	910
8273	MOSSDALE04	04/18/88	10:00	15.7	8.3	11.5	1540	16	80	9.4						
8358	MOSSDALE04	05/09/88	9:15	17.6	7.5	5.0	2070	51	40		6.0	490	270	170	39	970
8495	MOSSDALE04	07/18/88	8:00	25.0	7.7	6.9	1120	25	90		9.1	840	240	73	2	1200
9024	MOSSDALE04	01/03/89	9:11	6.2	7.5	4.1	594	81	60		15.0					
8275	MOSSDALE08	04/18/88	10:48	15.4	7.5	11.5	896	7	80	10.0						
8276	MOSSDALE09	04/18/88	10:37	15.6	7.3	3.9	1010	8	25	6.0						
8043	MOSSDALE10	01/12/88	8:50	9.3	7.1	2.1	1520	5	50	13.0		1300	190	29	1	1500
8171	MOSSDALE10	03/08/88	8:45	11.9	6.0	1.6	1360	7	80	12.0		1000	240	45	1	1300
8277	MOSSDALE10	04/18/88	8:49	14.0	7.3	1.6	1340	4	80	17.0						
8362	MOSSDALE10	05/09/88	7:54	16.8	7.2	2.5	900	2	60		10.0	980	200	31	<1	1200
8499	MOSSDALE10	07/18/88	5:27	22.5	7.5	2.0	992	9	50		6.7	490	150	55	2	700
9028	MOSSDALE10	01/03/89	7:46	5.6	7.1	2.8	910	29	100		17.0					
8044	MOSSDALE11	01/12/88	9:10	6.8	7.3	5.5	605	250	20	3.4		460	83	20	<1	560
8172	MOSSDALE11	03/08/88	9:00	11.4	7.3	2.0	653	170	40	4.5		110	120	30	<1	260
8278	MOSSDALE11	04/18/88	9:09	15.5	7.3	4.9	564	15	80	12.0						
8363	MOSSDALE11	05/09/88	8:14	17.8	8.0	6.1	589	19	120		17.0	1600	100	5	<1	1700
8500	MOSSDALE11	07/18/88	6:00	23.0	7.4	3.2	1080	14	70		7.1	440	190	77	7	710
9029	MOSSDALE11	01/03/89	8:15	6.2	7.2	3.2	586	36	60		8.7					
9288	MOSSDALE11	04/17/89	7:10	16.6	8.0	8.3	876	3	<5			69	47	26	4	150
9456	MOSSDALE11	06/26/89	7:23	18.5	8.2	8.7	958	5	5		1.6	41	36	19	23	120
8033	MOSSTRPP02	01/12/88	8:00	8.1	7.5	10.6	670	18	40	6.0		490	110	36	1	640
8168	MOSSTRPP02	03/08/88	12:40	16.9	7.4	13.1	803	16	50	8.8		950	180	46	2	1200
8268	MOSSTRPP02	04/18/88	11:50	19.0	8.1	9.0	917	15	40	11.0						
8353	MOSSTRPP02	05/09/88	9:17	17.7	8.3	10.5	918	20	60		9.6	680	210	89	10	990
9019	MOSSTRPP02	01/03/89	10:24	6.4	8.0	12.5	806	7	35		7.9	610	180	76	6	870
8034	MOSSTRPP03	01/12/88	8:20	8.2	7.3	8.2	779	20	60	13.0		830	78	16	1	930
8169	MOSSTRPP03	03/08/88	13:00	17.3	7.3	17.3	951	14	80	10.0		1100	220	55	2	1400
8269	MOSSTRPP03	04/18/88	11:33	6.6	7.7	8.9	740	21	40	7.3						
8354	MOSSTRPP03	05/09/88	8:57	16.9	8.0	8.5	512	23	80		12.0	870	190	34	<1	1100
9020	MOSSTRPP03	01/03/89	10:10	7.2	7.9	10.8	726	9	35		6.7					
9589	MRIVBACON	07/25/89	11:10	26.2	7.6	8.4	200	8			0.0	360	76	8	0	440

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L				<--------->
8078	NATOMAS	01/21/88	11:35	11.7	7.3	9.5	429	102	35	5.9		960	38	2	<1	1000
8077	NATOMAS	01/21/88	11:35	11.7	7.3	9.5					9.3	830	39	2	<1	870
8135	NATOMAS	02/23/88	11:05	14.6	7.9	10.8					4.1	400	100	37	<1	540
8136	NATOMAS	02/23/88	11:05	14.6	7.9	10.8	921	19	10	3.2		460	93	30	<1	580
8227	NATOMAS	03/24/88	10:15								4.0	520	90	23	<1	630
8226	NATOMAS	03/24/88	10:15	19.1	8.0	7.0	867	20	35	3.1		530	65	16	<1	610
8326	NATOMAS	04/28/88	6:05								4.4	820	56	15	<1	890
8325	NATOMAS	04/28/88	6:05	18.2	8.6	9.8	416	22	40	3.6		2300	45	18	<1	2400
8402	NATOMAS	05/26/88	6:29	19.9	7.8	2.0	617	30	35	4.8		650	43	3	<1	700
8434	NATOMAS	06/22/88	9:49	24.8	7.6	4.5	391	37	20	4.9		800	38	2	<1	840
8435	NATOMAS	06/22/88	9:49								7.0	650	59	4	<1	710
8468	NATOMAS	07/14/88	7:30	23.0	7.6	5.5			80	5.6		1000	44	3	<1	1000
8469	NATOMAS	07/14/88	7:30								6.0	800	45	4	<1	850
8592	NATOMAS	08/16/88	6:33								4.7	550	34	3	<1	590
8591	NATOMAS	08/16/88	6:33	21.1	7.7	7.4	349	25	50	4.3		650	33	2	<1	680
8703	NATOMAS	09/22/88	9:42	19.4	7.3	8.0	482	38	50	5.6		730	57	13	<1	800
8704	NATOMAS	09/22/88	9:42	19.4	7.3	8.0					5.3	690	52	15	<1	760
8733	NATOMAS	10/20/88	6:15	18.3	7.8	8.8	429				0.0	230	46	4	<1	280
8732	NATOMAS	10/20/88	6:15	18.3	7.8	8.8	429	24	40	4.7		280	46	4	<1	330
8755	NATOMAS	11/10/88	7:00	15.2	7.3	8.1					0.0	510	43	10	1	560
8754	NATOMAS	11/10/88	7:00	15.2	7.3	8.1	356	32	50	6.2		770	30	8	<1	810
8838	NATOMAS	12/20/88	7:40	10.9	8.4	12.0					6.7	970	130	29	<1	1100
8837	NATOMAS	12/20/88	7:40	10.9	8.4	12.0	501	26	50	6.7		1000	100	27	<1	1100
9102	NATOMAS	01/31/89	7:00	10.3	7.7	10.8					0.0	150	67	19	1	240
9101	NATOMAS	01/31/89	7:00	10.3	7.7	10.8	777	22	40	3.9		220	65	14	1	300
9192	NATOMAS	02/28/89	7:05	13.0	7.9	9.9					0.0	250	85	24	<1	360
9191	NATOMAS	02/28/89	7:05	13.0	7.9	9.9	824	36	60	5.8		480	72	17	1	570
9244	NATOMAS	03/28/89	10:50	16.6	7.5	5.9	509	58	100	9.6		840	59	5	<1	900
9342	NATOMAS	04/25/89	9:58	16.3	8.1	7.9					0.0	640	200	65	3	910
9341	NATOMAS	04/25/89	9:58	16.3	8.1	7.9	613	22	35	4.9		480	77	14	<1	570
9372	NATOMAS	05/23/89	10:04	19.5	7.6	7.2					0.0	350	24	1	<1	370
9371	NATOMAS	05/23/89	10:04	19.5	7.6	7.2	283	<29	40	4.0		380	24	1	<1	400
9491	NATOMAS	06/21/89	6:05	20.6	7.5	5.4	401	28	50		6.0	630	49	5	0	680
9492	NATOMAS	06/21/89	6:05	20.6	7.5	5.4					0.0	620	49	5	0	670
9564	NATOMAS	07/18/89	6:15	24.3	7.3	8.9	310	26	60		0.0	560	41	2	0	600
9612	NATOMAS	08/16/89	6:45	22.2	7.3	6.6	348	52	50		5.8	740	36	2	0	780
9633	NATOMAS	09/20/89	9:30	18.8	7.1	6.1	367	20	70		0.0	780	41	3	0	820
9653	NATOMAS	10/17/89	9:12	18.0	8.1	10.5	724	17	35		0.0	370	80	22	<1	470
9679	NATOMAS	11/14/89	7:10	11.7	8.3	10.8	716	13	35		0.0	280	70	17	<1	370
8045	NETHERLAND01	01/12/88	8:00	5.9	7.5	10.2	825	51	60	6.4		750	120	30	<1	900
8180	NETHERLAND01	03/08/88	7:38	9.1	8.1		1250	23	30	5.2		520	150	62	5	740
8301	NETHERLAND01	04/18/88	7:09	14.0	7.3	8.3	270	102	20	3.3						
8364	NETHERLAND01	05/09/88	7:10	18.4	7.8	8.0	396	80	40		3.5	430	54	9	<1	490
8501	NETHERLAND01	07/18/88	7:16	21.8	7.4	7.6	222	190	35		3.1	470	14	<1	<1	480
9051	NETHERLAND01	01/03/89	8:21	7.0		13.1	733	25	40		3.5	260	78	35	3	380
9289	NETHERLAND01	04/17/89	7:20	17.8	8.1	9.4	1430	28	25			640	230	150	23	1000
9457	NETHERLAND01	06/26/89	7:00	18.7	7.0	8.4	235	160	15		4.8	439	49	3	0	490
8046	NETHERLAND02	01/12/88	7:30	5.4	7.5	10.1	819	54	60	6.4		740	130	28	<1	900
8181	NETHERLAND02	03/08/88	7:24	7.3	8.1		1480	44	35	6.3		630	260	110	8	1000
8279	NETHERLAND02	04/18/88	6:37	14.0	7.1	7.0	261	108	60	3.5						

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L				<---------->
8365	NETHERLAND02	05/09/88	6:46	17.6	7.7	6.8	376	92	40		5.2	380	62	9	<1	450
8502	NETHERLAND02	07/18/88	6:48	22.4	7.2	4.8	206	92	35		3.2	430	10	<1	<1	440
9030	NETHERLAND02	01/03/89	7:58	7.1		12.2	671	17	35		3.8	250	79	23	1	350
9290	NETHERLAND02	04/17/89	7:06	18.1	7.8	8.4	1200	20	30			610	220	140	11	980
9458	NETHERLAND02	06/26/89	6:40	19.0	6.6	7.1	200	140	20		2.1	378	34	2	0	410
8004	NOBAY	01/06/88	11:10	11.0	8.0	11.8	332	5	5	3.6		280	17	1	<1	300
8111	NOBAY	02/18/88	11:00	11.4	8.0	10.8	351	4	10	3.0		400	21	1	<1	420
8209	NOBAY	03/17/88	9:55	14.4	8.1	9.2	328	3	10	2.4		280	18	1	<1	300
9577	NORTHCAN	07/25/89	9:33	24.7			220	11			0.0	360	62	9	0	430
9575	NVICWOOD	07/25/89	8:53	24.6			200	8			0.0	360	71	9	0	440
9580	OLDRIVDMC	07/25/89	10:40	25.7			620	17			0.0	320	160	75	5	560
9585	OLDRTRACY	07/25/89	7:00	24.1	7.6	7.9	850	23			0.0	230	160	100	14	500
8529	ONEIL-FB@152	07/12/88	13:45	17.8	7.9	7.2				3.2		310	110	75	7	500
8548	PARADISE	07/19/88	14:05	29.5	7.9	6.1	1020	27	30		0.0	240	150	81	12	480
8550	PARADISE167	07/19/88	14:35	30.5	7.9	6.0	1400	26	50		0.0	550	280	130	12	970
8549	PARDISE168	07/19/88	14:20	29.0	8.1	7.7	1240	29	35		0.0	360	250	110	17	740
8047	PESCADER001	01/12/88	6:40	8.9	7.5	7.5	2140	52	20	6.8		380	340	180	29	930
8280	PESCADER001	04/18/88	7:06	16.3	7.3	6.5	1360	23	25	4.7						
8366	PESCADER001	05/09/88	11:46	18.5	8.2	10.0	1250	20	35		4.5	240	210	110	20	580
8503	PESCADER001	07/18/88	13:28	32.5	7.9	7.6	1280	51	50		5.6	340	180	110	18	650
9031	PESCADER001	01/03/89	11:26	6.9	7.6	8.3	2020	39	25		3.2					
9291	PESCADER001	04/17/89	11:06	20.4	7.7	9.7	1810	39	50			260	250	190	53	750
9459	PESCADER001	06/26/89	10:21	19.8	7.8	8.7	1070	63	40		4.1	220	180	130	27	560
8048	PESCADER002	01/12/88	7:00	7.4	7.5	7.5	2180	52	60	7.2		350	260	130	25	770
8504	PESCADER002	07/18/88	13:56	34.5	7.7	9.0	1560	44	120		8.7	560	260	130	21	970
9032	PESCADER002	01/03/89	11:43	7.5	7.3	8.9	1740	26	20		2.4					
9292	PESCADER002	04/17/89	11:19	19.9	7.8	9.0	1690	56	60			290	240	190	45	770
9460	PESCADER002	06/26/89	10:34	21.4	7.8	9.3	1530	48	60		6.6	390	280	200	32	900
8049	PESCADER003	01/12/88	7:15	6.8	7.5	8.7	2560	33	40	9.2		330	270	140	28	770
8282	PESCADER003	04/18/88	7:26	14.8	7.5	7.2	1200	42	80	12.0						
8367	PESCADER003	05/09/88	12:03	19.6	8.4	12.0	1370	24	40		4.5	430	220	150	41	840
8505	PESCADER003	07/18/88	14:14	32.5	8.1	10.1	1850	27	70		5.9	290	250	180	44	760
9033	PESCADER003	01/03/89	12:00	6.3	7.5	11.4	2320	16	20		3.0					
9293	PESCADER003	04/17/89	11:31	19.1	7.6	9.3	1680	33	50			320	230	200	39	790
9461	PESCADER003	06/26/89	10:44	21.3	7.8	7.7	1510	66	50		6.4	330	280	200	35	850
8283	PESCADER004	04/18/88	8:00	14.7	7.1	4.1	1400	34	80	16.0						
8506	PESCADER004	07/18/88	14:46	30.5	8.1	7.8	1890	10	60		6.7	360	250	140	42	790
9294	PESCADER004	04/17/89	11:47	20.5	8.8	9.9	1650	10	40			320	290	230	58	900
9462	PESCADER004	06/26/89	10:58	21.4	7.9	6.2	1660	5	50		5.8	260	250	190	31	730
8052	PIERSONPP01	01/12/88	7:00	7.4	6.7	8.2	826	30	80	24.0		2500	110	8	<1	2600

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L			<---------->	
8187	PIERSONPP01	03/08/88	6:58	8.2	7.4		543	60	60	12.0		2400	180	5	<1	2600
8284	PIERSONPP01	04/18/88	6:00	14.5	7.1	5.4	635	19	100	14.0						
8369	PIERSONPP01	05/09/88	6:07	16.8	7.4	6.0	463	23	80		10.0	1600	72	8	<1	1700
8507	PIERSONPP01	07/18/88	6:15	22.1	6.9	4.5	268	40	60		5.5	700	44	2	<1	750
9035	PIERSONPP01	01/03/89	7:33	8.0		9.2	476	19	70		10.0	880	51	7	<1	940
9295	PIERSONPP01	04/17/89	6:38	17.1	7.0	7.2	540	29	70			1400	98	8	<1	1500
9463	PIERSONPP01	06/26/89	6:00	19.1	7.5	5.6	481	28	40		7.7	1080	62	4	0	1100
8121	PONDEROSA	02/24/88	16:15	19.3	6.8		486	<1	<5	0.6		0	<1	<1	<5	<7
8613	POTNODE252	08/10/88	8:51	22.0	7.9		193	8	15		2.4	230	31	2	<1	260
8645	POTNODE252	08/10/88	8:51									230	29	3	<1	260
8629	POTNODE252	08/17/88	8:57	22.4	7.4		222	7	15		2.2	240	39	6	<1	280
8642	POTNODE252	08/17/88	8:57							2.0		270	36	6	<1	310
8656	POTNODE252	08/24/88	8:40							2.0		250	33	5	<1	290
8655	POTNODE252	08/24/88	8:40	21.8	7.8		207	7	10		2.5	310	34	3	<1	350
8671	POTNODE252	08/31/88	8:45	23.2	8.4				10		3.0	200	68	29	3	300
8672	POTNODE252	08/31/88	8:45	23.2	8.4					2.1		160	60	27	3	250
8778	POTNODE252	11/30/88	12:10	10.5	8.0	9.1	252	18	40		4.9	560	62	5	<1	630
8792	POTNODE252	12/07/88	9:30	10.3	8.4	9.5	282	13	35		5.1	480	58	17	1	560
8820	POTNODE252	12/20/88	9:35	8.6	7.9	10.6	288	7	20		4.1	400	53	13	1	470
8847	POTNODE252	12/28/88	10:00	6.9	7.5	11.5	298	8	25		4.1	430	69	13	<1	510
9061	POTNODE252	01/11/89	9:15	6.3	8.0		265	9	30		0.0	430	53	7	<1	490
9081	POTNODE252	01/18/89	9:45	7.4	6.8	11.4	264	7	30		0.0	460	46	6	<1	510
9106	POTNODE252	01/26/89	9:16	7.7	7.5	11.3	309	5	25			250	41	14	<1	300
9119	POTNODE252	02/02/89	9:15	8.2	7.4	10.5	458	5	20		0.0	210	70	23	4	310
9376	POTNODE252	06/01/89	8:35	19.4	7.7	10.1	162	9	20		0.0	230	18	<1	<1	250
9389	POTNODE252	06/08/89	8:15	19.9	7.7	9.9	184	12	15		0.0	260	27	2	<1	290
9402	POTNODE252	06/15/89	7:20	21.3	7.9	9.4	183	13	20		0.0	300	28	3	<1	330
9415	POTNODE252	06/19/89	7:20	20.8	7.7	8.7	188	11	20			250	22	3	<1	270
9496	POTNODE252	07/06/89	9:15	23.7	7.1	8.5	150	13	20		0.0	280	92	6	0	380
9509	POTNODE252	07/13/89	7:11	22.0	7.4	8.4	174	7	15		0.0	330	33	3	0	370
9522	POTNODE252	07/20/89	7:40	23.2	7.6	8.7	178	8	15		0.0	280	34	4	0	320
9535	POTNODE252	07/27/89	7:26	22.4	7.8	8.8	142	8	15		0.0	300	29	1	0	330
8053	PROSPECTPP01	01/12/88	8:20	7.1	7.4	8.5	1390	20	100	24.0		1900	74	3	<1	2000
8188	PROSPECTPP01	03/08/88	7:59	9.1	7.9		1080	32	100	16.0		1900	67	3	<1	2000
8285	PROSPECTPP01	04/18/88	7:38	14.0	7.3	5.3	539	57	80	10.0						
8370	PROSPECTPP01	05/09/88	7:43	16.9	7.6	7.0	222	72	60		4.2	620	21	<1	<1	640
8508	PROSPECTPP01	07/18/88	7:47	22.0	7.5	5.3	183	52	50		3.0	370	7	<1	<1	380
8054	RINDGEPP01	01/12/88	11:26	9.4	6.7	5.7	890	8	160	24.0		2800	230	25	<1	3100
8190	RINDGEPP01	03/08/88	12:21	14.4	7.1		1220	18	200	19.0		1200	370	70	4	1600
8287	RINDGEPP01	04/18/88	9:30	16.5	6.7	0.6	935	15	120	17.0						
8371	RINDGEPP01	05/09/88	9:39	20.7	7.5	5.8	910	13	160		18.0	2100	360	63	<1	2500
9037	RINDGEPP01	01/03/89	11:30	8.5	7.0	7.0	865	7	120		19.0					
9143	RINDGEPP01	02/06/89	11:15	6.5	7.4	5.8	1470	8	160			890	270	40	5	1200
9297	RINDGEPP01	04/17/89	9:49	21.2	7.3	3.3	1680	18	100			1300	560	240	23	2100
9465	RINDGEPP01	06/26/89	9:26	19.9	6.7	5.4	722	13	80		13.0	1650	223	39	0	1900
8055	RINDGEPP02	01/12/88	11:00	9.2	6.3	4.8	588	6	175	27.0		2000	160	8	<1	2200
8191	RINDGEPP02	03/08/88	11:53	14.3	7.1		1100	24	120	15.0		1200	380	100	8	1700
8288	RINDGEPP02	04/18/88	10:04	16.5	7.3	8.1	236	15	25	3.4						
8372	RINDGEPP02	05/09/88	10:10	22.5	7.1	1.2	728	10	160		23.0	1600	380	65	<1	2000
8510	RINDGEPP02	07/18/88	9:23	22.0	6.7	3.9	870	16	240		27.0	2000	310	24	<1	2300

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L <---------->				
9038	RINDGEPP02	01/03/89	10:50	11.0	6.8	5.9	910	4	120		44.0					
9144	RINDGEPP02	02/06/89	10:50	4.4	7.8	9.4	1260	14	160			860	290	36	3	1200
9298	RINDGEPP02	04/17/89	9:21	18.9	7.6	7.3	465	14	70			870	150	28	<1	1000
9466	RINDGEPP02	06/26/89	8:56	18.9	6.9	6.0	770	14	140		15.0	2000	340	49	20	2400
8056	RIOBLANC001	01/12/88	10:30	9.6	7.3	9.2	2500	17	25	5.1		170	260	190	99	720
8192	RIOBLANC001	03/08/88	11:27	14.2	7.5		731	8	35	5.6		690	220	73	3	990
8289	RIOBLANC001	04/18/88	8:45	14.5	7.5	7.6	1360	13	40	6.3						
8373	RIOBLANC001	05/09/88	9:07	20.2	7.6	7.5	647	6	40		5.7	530	160	50	6	750
8511	RIOBLANC001	07/18/88	8:42	21.5	7.5	3.4	739	16	40		5.4	450	160	56	2	670
9039	RIOBLANC001	01/03/89	10:15	8.7	7.6	10.1	732	29	40		4.3					
9141	RIOBLANC001	02/06/89	10:25	3.8	8.9	11.7	1010	11	30			150	140	97	27	410
9299	RIOBLANC001	04/17/89	8:49	17.8	7.6	5.4	1240	9	30			330	220	120	19	690
9467	RIOBLANC001	06/26/89	8:32	19.4	7.9	10.3	941	10	50		6.3	760	300	150	15	1200
8057	RIOBLANC002	01/12/88	10:15	9.9	7.3	6.0	880	8	15	4.7		460	190	66	7	720
8193	RIOBLANC002	03/08/88	11:15	14.2	7.5		460	14	40	4.9		900	140	19	<1	1100
8290	RIOBLANC002	04/18/88	8:39	15.0	7.3	3.9	457	16	40	5.7						
8374	RIOBLANC002	05/09/88	8:52	19.8	7.6	6.0	377	12	80		6.9	800	64	8	<1	870
8512	RIOBLANC002	07/18/88	8:23	21.0	7.5	4.0	784	7	40		5.8	520	180	72	3	780
9040	RIOBLANC002	01/03/89	10:00	10.2	7.7	8.2	593	15	35		4.1					
9142	RIOBLANC002	02/06/89	10:10	3.4	8.6	11.5	1060	10	30			130	130	80	27	370
9300	RIOBLANC002	04/17/89	8:35	18.3	7.6	5.0	806	7	30			460	160	72	6	700
9468	RIOBLANC002	06/26/89	8:24	20.2	7.5	7.5	460	11	25		3.7	720	120	27	0	870
8014	ROCKSL	01/07/88	11:20	9.9	7.4	13.2	755	10	25	4.2		290	140	92	21	540
8094	ROCKSL	02/10/88	10:00	12.1	7.3	10.0	385	12	30	4.0		640	81	20	<1	740
8149	ROCKSL	03/03/88	11:05	13.6	7.8	10.7	711	5	20	3.2		280	120	110	21	530
8238	ROCKSL	04/05/88	9:00	15.5	7.5	9.8	679	6	15	4.2		180	120	91	16	410
8333	ROCKSL	05/03/88	10:05	18.6	7.8	9.2	315	12	30	2.6		410	76	28	4	520
8425	ROCKSL	06/14/88	10:24	23.2	7.5	6.7	434	21	35	2.2		280	100	48	2	430
8460	ROCKSL	07/12/88	10:03	25.0	7.3	7.1	787	10	25	2.2		350	110	66	8	530
8582	ROCKSL	08/09/88	12:20	24.1	7.8	7.9	852	12	20	2.1		130	100	100	41	370
8685	ROCKSL	09/06/88	9:50	25.0	7.5	7.3	950	9	20	2.2		140	140	110	50	440
8717	ROCKSL	10/04/88	10:15	19.9	7.4	8.4	925	7	15	2.5		140	130	110	32	410
8747	ROCKSL	11/01/88	11:10	17.7	7.6	9.0	1080	6	15	2.6		120	150	190	61	520
8816	ROCKSL	12/13/88	11:24	12.0	7.1	10.7	950	9	25	3.8		410	270	230	37	950
9057	ROCKSL	01/10/89	11:30	8.5	7.1	11.6	755	6	25	3.9		240	130	100	22	490
9135	ROCKSL	02/07/89	10:30	6.5	6.9	9.1	1250	11	30	3.8		98	150	200	75	520
9216	ROCKSL	03/07/89	10:30	13.5	7.4	10.5	852	5	20	3.1		150	180	180	34	540
9251	ROCKSL	04/04/89	9:49	16.6	7.6	8.3	194	13	40	4.1		500	40	4	<1	540
9349	ROCKSL	05/02/89	9:50	19.4	7.5	8.7	211	11	25	3.0		380	39	4	<1	420
9431	ROCKSL	06/06/89	10:10	21.8	7.7	7.9	271	19	35	2.6		400	70	18	<1	490
9551	ROCKSL	07/05/89	11:30	25.4	7.6	7.9	284	17	35		0.0	270	58	12	0	340
9620	ROCKSL	09/06/89	9:45	22.9	7.2	8.8	552	6	10		0.0	430	120	62	4	620
9640	ROCKSL	10/02/89	7:09	20.3	7.6	10.8	520	8	20		0.0	250	83	82	9	420
9666	ROCKSL	11/07/89	11:15	15.7	7.8	8.9	638	5	15		0.0	240	140	98	18	500
9688	ROCKSL	12/05/89	11:00	12.9	7.7		810	4	10		0.0	240	210	130	31	610

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L <----------				
9225	SACCITY	03/10/89	11:15	17.7	7.2	9.1	172	28	140	15.0		1300	47	4	<1	1400
8562	SACISLETON	07/19/88	9:30	24.5	7.3	7.4			10		1.4	310	12	<1	<1	320
8560	SACRIVIDA	07/19/88	9:15	24.5	7.5	7.4			5		1.4	360	13	<1	<1	370
8559	SACRIVLT28	07/19/88	8:55	24.0	7.7	7.7	168	11	10		1.4	700	21	<1	<1	720
8695	SACRRIOVISTA	09/15/88	8:51	20.9	7.9	7.7	235	14	15	2.6		270	25	5	<1	300
8724	SACRRIOVISTA	10/13/88	8:00	18.0	7.7	8.1	183	12	20	1.8		170	18	1	<1	190
8762	SACRRIOVISTA	11/17/88	10:10	14.3	7.3	9.1	242	8	10	1.9		210	37	12	<1	260
8808	SACRRIOVISTA	12/06/88	8:30	10.3	7.1	10.3	204	18	30	3.6		420	17	0	<1	440
9076	SACRRIOVISTA	01/17/89	8:50	8.5	7.2	11.6	237	10	25	2.9		300	27	2	<1	330
9156	SACRRIOVISTA	02/14/89	8:05	8.3	6.9	11.5	207	7	15	1.9		180	11	2	<5	190
9231	SACRRIOVISTA	03/14/89	10:03	11.5	7.5	8.9	122	58	100	4.7		540	12	3	<1	550
9260	SACRRIOVISTA	04/11/89	6:45	16.8	7.4	8.2	183	10	15	2.5		280	14	<1	<1	290
9356	SACRRIOVISTA	05/09/89	7:30	19.3	7.6	8.5	186	11	15	2.2		190	19	1	<1	210
9483	SACRRIOVISTA	06/13/89	7:25	19.3	7.1	8.5	173	13	20	3.0		330	18	2	<1	350
9557	SACRRIOVISTA	07/11/89	7:40	21.8	6.9	8.8	154	10	15		0.0	250	15	0	0	270
9595	SACRRIOVISTA	07/25/89	7:36	21.0	7.0	7.5	120	9			0.0	350	14	0	0	360
9626	SACRRIOVISTA	09/13/89	7:40	20.0	7.5	9.0	190	9	10		2.0	170	23	1	0	190
9646	SACRRIOVISTA	10/12/89	9:08	19.3	7.3	7.7	193	7	10		2.1	200	68	5	0	270
9675	SACRRIOVISTA	11/14/89	12:15	14.6	7.7	9.2	264	6	5		0.0	240	72	21	<1	330
9697	SACRRIOVISTA	12/12/89	12:10	10.7	7.5	10.4	166	8	10		2.6	220	16	1	<1	240
8547	SALMONOLD	07/19/88	13:50	29.5	8.1	7.0	950	24	30		0.0	370	270	77	9	730
9570	SANDMOUND	07/25/89	7:49	23.2			320	11			0.0	350	130	52	2	530
8064	SHIMATR	01/12/88	8:30	9.0	7.3	7.1	763	20	20	4.9		380	83	23	<1	490
8196	SHIMATR	03/08/88	9:05	13.5	7.5	7.7	651	32	30	5.1		530	85	16	1	630
8293	SHIMATR	04/18/88	6:33	5.1	7.2	4.2	640	72	40	6.3						
8377	SHIMATR	05/09/88	6:24	19.2	7.6	4.2	696	11	40		6.5	850	140	27	<1	1000
8514	SHIMATR	07/18/88	5:57	23.7	7.3	5.2	577	20	120		13.0	1100	120	6	<1	1200
9043	SHIMATR	01/03/89	8:00	7.6	7.1	9.6	538	44	50		6.4					
9137	SHIMATR	02/06/89	8:32	3.1	9.4	11.6	673	10	30			330	76	21	2	430
9303	SHIMATR	04/17/89	6:45	17.9	7.3	4.4	663	9	30			560	100	24	<1	680
9471	SHIMATR	06/26/89	6:45	17.9	7.0	6.7	344	22	100		11.0	1700	90	3	0	1800
8546	SJOAQBASCULE	07/19/88	12:20	28.0	7.5	5.3	870	17	25		0.0	340	150	60	7	560
8544	SJOAQFRCMPSL	07/19/88	11:25	27.5	7.6	5.1	882	15	25		0.0	370	150	76	5	600
8542	SJOAQNODE09	07/19/88	10:25	26.0	7.6	5.5	906	26	30		0.0	370	150	62	3	590
8543	SJOAQNODE11	07/19/88	11:00	26.5	7.4	5.7	879	19	25		0.0	370	140	58	3	570
8541	SJOAQROLDR	07/19/88	9:54	26.0	7.6	4.8	927	34	30		0.0	200	130	55	<1	380
9582	SJRMOSSDALE	07/25/89	6:00	22.7	7.0	9.3	800	44			0.0	320	200	110	10	640
8552	SOMOK269	07/19/88	10:10	24.5	7.4	7.2	146	8	10		1.4	320	11	<1	<1	330
8441	STATION04B	06/28/88	13:55	23.8	7.9							290	140	75	9	510
9573	STATION04B	07/25/89	8:11	23.7			350	9			0.0	280	120	51	4	460
8442	STATION05A	06/28/88	14:13	23.6	7.9							230	120	64	9	420
8443	STATION06A	06/28/88	14:39	23.2	8.0	0.0	469	19				260	110	47	3	420
9574	STATION06A	07/25/89	8:32	24.1			200	8			0.0	360	70	12	0	440
9576	STATION09	07/25/89	9:12	24.5			300	11			0.0	320	110	40	2	470
9578	STATION15	07/25/89	9:55	24.8			280	11			0.0	350	110	30	1	490
8065	TERMPPO1	01/12/88	7:20	13.8	7.2	6.5	930	6	120	25.0		2100	250	51	<1	2400
8197	TERMPPO1	03/08/88	9:45	10.7	7.1		889	10	140	18.0		2200	230	38	2	2500
8294	TERMPPO1	04/18/88	10:05	17.0	7.3	7.3	961	14	60	8.5						
8291	TERMPPO1	04/18/88	10:45	15.0	7.1	7.6	962	14	80	8.5						
8378	TERMPPO1	05/09/88	9:34	21.4	7.4	5.0	910	11	100		11.0	1100	390	120	7	1600

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L				<---------->
8515	TERMPP01	07/18/88	10:00	23.5	6.9	4.6	425	11	120		10.0	1200	140	14	1	1400
9044	TERMPP01	01/03/89	11:45	7.7	7.2	7.8	801	6	80		12.0	910	280	61	2	1300
9304	TERMPP01	04/17/89	9:21	18.9	7.7	8.6	480	19	60			690	120	35	1	850
9472	TERMPP01	06/26/89	8:46	18.0	7.5	6.8	484	12	80		8.7	1700	230	30	0	2000
8066	TERMPP02	01/12/88	7:45	9.9	7.0	7.0	786	8	125	25.0		1600	250	31	<1	1900
8198	TERMPP02	03/08/88	9:28	9.8	7.3		716	12	80	9.9		1100	220	55	4	1400
8295	TERMPP02	04/18/88	9:36	16.7	6.9	7.0	798	12	80	12.0						
8379	TERMPP02	05/09/88	9:07	18.8	7.5	7.1	719	15	100		8.7	1300	280	75	<1	1700
8516	TERMPP02	07/18/88	9:30	23.0	7.0	5.0	542	11	60		5.1	580	170	48	1	800
9045	TERMPP02	01/03/89	11:25	7.2	7.5	7.9	782	9	100		34.0	1300	200	21	<1	1500
9305	TERMPP02	04/17/89	9:06	18.8	7.5	7.8	704	13	60			790	260	88	5	1100
9473	TERMPP02	06/26/89	8:28	19.0	7.7	5.6	591	228	160		10.0	4600	470	36	0	5100
9590	TURNERCUT	07/25/89	10:25	26.7	7.4	8.5	200	8			0.0	360	62	6	0	430
8604	UJONESSIPH01	08/10/88	12:01	22.6	6.7	2.2	417	4	20		3.1	310	110	35	1	460
8636	UJONESSIPH01	08/17/88	7:22	20.8	6.7	1.5	407	2	20		3.2	220	65	26	<1	310
9420	UJONESSIPH01	06/19/89	7:52	21.2	7.4	2.4	279	3	30			580	51	5	<1	640
9514	UJONESSIPH01	07/14/89	9:24	23.3	7.4	4.1	239	5	25		0.0	400	51	7	0	460
8663	UJONESSIPH02	08/24/88	7:47	22.0	7.1	3.0	378	21	60		3.5	400	97	21	<1	520
9395	UJONESSIPH02	06/08/89	7:29	19.3	7.3	4.5	252	6	25		0.0	370	40	4	<1	410
9408	UJONESSIPH02	06/15/89	7:45	23.2	7.2	3.5	266	8	30		0.0	390	45	5	<1	440
8067	UPEGBERTPP01	01/12/88	9:45	6.3	7.3	10.1	728	42	50	24.0						
8199	UPEGBERTPP01	03/08/88	9:14	10.5	7.9		1160	22	60	11.0		1500	100	8	1	1600
8296	UPEGBERTPP01	04/18/88	9:26	15.8	7.8	7.3	704	36	100	10.0						
8380	UPEGBERTPP01	05/09/88	9:15	19.9	8.5	10.5	771	21	60		9.3	2000	51	11	<1	2100
8517	UPEGBERTPP01	07/18/88	9:20	23.1	7.5	6.5	344	88	40		5.1	720	33	1	<1	750
9046	UPEGBERTPP01	01/03/89	9:33	7.1		10.6	457	44	80		6.7	510	22	2	<1	530
9474	UPEGBERTPP01	06/26/89	8:40	20.2	7.0	5.8	511	160	50		8.4	2000	120	3	0	2100
8068	UPEGBERTPP02	01/12/88	10:15	6.3	7.5	10.1	506	68	140	9.7						
8297	UPEGBERTPP02	04/18/88	9:48	15.5	7.2	7.3	637	68	80	8.3						
8381	UPEGBERTPP02	05/09/88	9:35	18.4	7.9	8.8	647	116	40		5.3	800	48	10	<1	860
8518	UPEGBERTPP02	07/18/88	9:55	24.3	7.4	6.5	277	104	25		3.8	500	240	1	<1	740
9047	UPEGBERTPP02	01/03/89	9:54	7.5		9.9	597	190	100		6.6	320	17	1	<1	340
9307	UPEGBERTPP02	04/17/89	8:47	17.6	7.4	6.2	701	16	80			1200	73	4	<1	1300
9475	UPEGBERTPP02	06/26/89	9:00	20.8	6.6	6.9	375	100	40		6.1	1700	140	2	0	1800
8201	UPEGBERTPP03	03/08/88	9:37	7.6	7.5		716	30	60	7.6		1100	60	4	<1	1200
8298	UPEGBERTPP03	04/18/88	10:05	14.0	7.5	5.7	1780	280	60	13.0						
8382	UPEGBERTPP03	05/09/88	9:53	20.1	8.1	7.6	2240	72	40		16.0	2300	120	23	<1	2400
8519	UPEGBERTPP03	07/18/88	10:15	25.9	7.3	4.2	331	128	50		5.6	670	36	1	<1	710
9048	UPEGBERTPP03	01/03/89	10:07	7.7		10.7	553	40	60		5.8	570	29	2	<1	600
9476	UPEGBERTPP03	06/26/89	9:15	20.8	6.3	6.1	342	140	25		5.1	630	35	2	0	670
8071	UPJONESPP02	01/12/88	7:30	8.4	6.6	7.0	756	66	80	16.0		1500	220	19	<1	1700
8203	UPJONESPP02	03/08/88	7:45	14.1	6.9	6.1	789	48	160			1300	180	25	<1	1500
8300	UPJONESPP02	04/18/88	12:40	18.4	6.9	2.9	960	20	120	14.0						
8384	UPJONESPP02	05/09/88	10:06	20.2	7.3	4.0	1120	46	120		10.0	1200	180	45	<1	1400
8520	UPJONESPP02	07/18/88	10:30	27.0	7.1	0.0	860	60	120		8.1	770	220	48	1	1000
8601	UPJONESPP02	08/10/88	11:24	23.2	6.8	2.8			70		8.3	920	210	28	<1	1200
8624	UPJONESPP02	08/17/88	7:45	19.9	6.9	3.1	721	27	140		14.0	1200	210	19	<1	1400
8661	UPJONESPP02	08/24/88	8:15	20.6	7.0	3.7	766	28	100		10.0	1200	200	26	<1	1400
8677	UPJONESPP02	08/31/88	7:45	23.3	6.6	5.2			50		4.8	420	120	44	3	590
8784	UPJONESPP02	11/30/88	9:26	11.4	7.1	5.6	718	28	80		7.5	700	170	24	2	900

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

THM 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	<---- THM Formation Potential----> CHCl3	CHBrCl2	CHBr2Cl	CHBr3	TTHMFP
												<---------- ug/L <----------				
8798	UPJONESPP02	12/07/88	9:20	11.4	7.1	7.3	799	32	80		7.1	600	200	47	4	850
8854	UPJONESPP02	12/28/88	8:20	5.0	7.1	10.4	728	64	60		9.8	980	200	48	3	1200
9050	UPJONESPP02	01/03/89	9:35	6.1	7.1	9.0	759	99	60		9.6					
9070	UPJONESPP02	01/11/89	9:00	5.7		9.5	745	230	140		0.0	1200	200	43	<1	1400
9087	UPJONESPP02	01/18/89	9:20	7.1	6.7	8.7	795	66	60		0.0	950	180	36	<1	1200
9112	UPJONESPP02	01/26/89	9:02	9.2		6.5	958	24	80			530	110	25	3	670
9125	UPJONESPP02	02/03/89	8:58	9.8	6.7	9.1	1070	23	80		0.0	510	240	52	3	810
9310	UPJONESPP02	04/17/89	9:27	18.4	7.3	4.2	694	21	100			770	170	26	<1	970
9380	UPJONESPP02	06/01/89	7:12	23.2	7.5	3.6	843	27	80		0.0	890	170	54	4	1100
9393	UPJONESPP02	06/08/89	7:05	18.0	7.6	4.6	688	33	120		0.0	1200	140	23	<1	1400
9406	UPJONESPP02	06/15/89	7:15	22.3	7.5	4.6	533	22	80		0.0	980	150	22	<1	1200
9419	UPJONESPP02	06/19/89	7:17	20.8	7.4	3.5	840	26	100			990	170	55	2	1200
9477	UPJONESPP02	06/26/89	9:00	22.9	7.6	3.5	453	50	100		6.1	580	110	14	<1	700
9500	UPJONESPP02	07/07/89	5:45	23.8	7.0	3.9	532	33	100		0.0	1300	130	20	0	1500
9513	UPJONESPP02	07/14/89	9:48	22.9	7.2	4.5	494	23	80		0.0	1100	110	15	0	1200
9526	UPJONESPP02	07/21/89	9:47	23.6	5.7	1.9	667	15	100		0.0	1300	130	18	0	1400
9539	UPJONESPP02	07/28/89	9:28	21.2	7.3	2.8	539	102	100		0.0	960	120	13	0	1100
8009	VERNALIS	01/07/88	8:05								3.9	280	160	87	9	540
8010	VERNALIS	01/07/88	8:05	10.3	7.4	11.1	1080	11	15	4.0		280	150	100	12	540
8090	VERNALIS	02/10/88	7:30	12.4	7.4	9.8	1320	16	20	4.1		440	130	88	19	680
8089	VERNALIS	02/10/88	7:30								7.1	320	170	110	14	610
8144	VERNALIS	03/15/88	7:45	12.3	7.6	10.0	800	19	20	3.0		220	83	61	5	370
8145	VERNALIS	03/15/88	7:45								2.4	250	140	48	5	440
8234	VERNALIS	04/05/88	6:40								3.4	260	110	58	8	440
8233	VERNALIS	04/05/88	6:40	14.3	7.5	4.3	801	14	20	3.2		310	110	59	9	490
8329	VERNALIS	05/03/88	7:11								2.8	170	120	81	15	390
8328	VERNALIS	05/03/88	7:11	16.6	7.8	8.7	802	18	15	2.8		270	110	68	23	470
8420	VERNALIS	06/14/88	6:35	21.6	7.7	8.3	738	21	25	2.6		290	140	72	8	510
8421	VERNALIS	06/14/88	6:35								5.4	220	120	64	8	410
8455	VERNALIS	07/12/88	6:18	22.0	7.8	7.7			35	3.1		470	140	77	9	700
8456	VERNALIS	07/12/88	6:18								3.2	320	120	77	12	530
8577	VERNALIS	08/09/88	8:00	20.8	7.2	8.2			20	3.1		400	170	50	7	630
8578	VERNALIS	08/09/88	8:00	20.8	7.2	8.2					3.5	280	120	70	7	480
8681	VERNALIS	09/06/88	6:45	22.2	7.7	6.9	896	24	25	3.2		330	150	55	15	550
8689	VERNALIS	09/06/88	6:45	22.2	7.7	6.9					3.1	240	140	57	19	460
8710	VERNALIS	10/04/88	6:58	18.1	8.0	8.0	911	15	20	3.3		210	120	55	22	410
8711	VERNALIS	10/04/88	6:58	18.1	8.0	8.0	911				6.5	270	190	75	9	540
8740	VERNALIS	11/01/88	8:15	15.3	7.3	8.9	857	17	15	3.3		160	91	57	14	320
8741	VERNALIS	11/01/88	8:15	15.3	7.3	8.9					0.0	110	84	58	10	260
8811	VERNALIS	12/13/88	8:25	10.2	7.2	10.0	869	10	20	4.2		300	140	79	7	530
9052	VERNALIS	01/10/89	7:45	9.2	7.2	9.1	1080	13	30	5.9		420	150	76	7	650
9130	VERNALIS	02/07/89	7:45	5.6	7.1	11.1	1270	8	20	4.3		110	80	46	12	250
9211	VERNALIS	03/07/89	7:30	14.4	7.3	8.5	836	16	35	5.6		340	140	57	5	540
9246	VERNALIS	04/04/89	7:13	15.5	8.3	7.7	825	14	20	3.4		290	130	82	11	510
9344	VERNALIS	05/02/89	7:15	18.5	7.3	7.8	715	27	35	4.8		460	110	47	4	620
9426	VERNALIS	06/06/89	6:50	19.6	7.3	8.0	649	25	25	3.7		330	110	62	6	510
9546	VERNALIS	07/05/89	8:25	21.9	7.7	8.1	671	36	35		0.0	250	110	44	0	400
9601	VERNALIS	08/03/89	7:10	21.4	8.2	8.8	770	52	50		3.6	320	130	72	16	540
9615	VERNALIS	09/06/89	7:13	21.1	7.7	8.4	845	21	30		0.0	600	170	52	6	830
9635	VERNALIS	10/02/89	9:25	20.0	7.1	9.2	830	19	30		0.0	270	100	77	9	460
9661	VERNALIS	11/07/89	7:20	13.4	7.3	8.5	862	16	20		0.0	280	140	81	12	510
9683	VERNALIS	12/05/89	7:30	9.7	7.9		978	13	15		0.0	280	180	94	14	570

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----								---->	
8026	AGDEMPIRE	01/12/88	9:00	9.2	6.3	4.7	1010	88	152	<0.001		385	85	42	5.6	101	175	7.9	0.4	771	
8075	AGDEMPIRE	01/21/88	9:05	8.6	6.4	6.5	1720	132	339	0.002		572	122	65	0.7	101	258	29.	0.4	1290	
8133	AGDEMPIRE	02/23/88	8:50	11.3	6.8	5.4	1980	160	404	<0.001		596	128	67	2.9	156	225	17.	0.4	1390	
8161	AGDEMPIRE	03/08/88	9:35	13.7	7.1		1970	177	445	<0.001		576	122	66	2.3	177	119	6.8	0.4	1400	
8223	AGDEMPIRE	03/24/88	8:30	16.8	7.0	9.1	811	79	89	<0.001		266	57	30	4.2	219	78		0.4	576	
8322	AGDEMPIRE	04/28/88	8:25	16.1	6.6	5.3	631	54	57	<0.001		219	48	24	1.7	81	138	16.	0.5	506	
8346	AGDEMPIRE	05/09/88	7:12	20.1	7.2	6.5	926	88	133	<0.001		301	66	33	1.7	135	140	2.	0.5	672	
8399	AGDEMPIRE	05/26/88	7:30	18.8	7.5	1.1	1000	108	152	<0.001		300	64	34	2.8	223	67		0.4	687	
8431	AGDEMPIRE	06/22/88	6:27	22.3	7.3	2.6	674	72	94	<0.001		200	42	23	2.6	148	47	3.	0.4	474	
8466	AGDEMPIRE	07/14/88	8:55	23.0	6.8	0.6	1420	125	242	<0.001		502	107	57	2.2	166	208	6.3	0.6	1050	
8482	AGDEMPIRE	07/18/88	6:40	22.5	7.0	0.4	792	73	137			254	54	29	1.9	134	61	3.6	0.3	512	
8588	AGDEMPIRE	08/16/88	7:59	21.3	6.9	2.3	537	47	85	<0.001		168	36	19	1.3	96	36	3.	0.3	357	
8700	AGDEMPIRE	09/22/88	6:35	16.6	7.2	2.0	2140	231	552	<0.001		580	120	68	3.3	256	46	0.2	0.4	1340	
8729	AGDEMPIRE	10/20/88	7:45	19.2	5.9	2.4	1180	118	242	<0.001		393	136	0	0.7	114	163	10.	0.3	917	
8751	AGDEMPIRE	11/10/88	8:25	16.0	6.8	4.2	1350	121	240	<0.001		385	70	51	3.4	100	186	26.	0.4	915	
8834	AGDEMPIRE	12/20/88	9:00	14.7	6.8	3.9	585	42	67	<0.001		216	47	24	4.1	78	91	25.	0.4	444	
9011	AGDEMPIRE	01/03/89	8:45	7.5	6.9	5.1	769	55	104			281	60	32	3.2	105	107	29.	0.4	586	
9098	AGDEMPIRE	01/31/89	8:30	10.5	6.6	3.6	1500	125	262	<0.001		488	118	47	2.	193	165	36.	0.6	1160	
9188	AGDEMPIRE	02/28/89	8:30	13.5	6.8	4.1	1720	147	334	<0.001		564	120	64	3.	182	167	19.	0.4	1170	
9241	AGDEMPIRE	03/28/89	8:56	16.4	6.9	4.4	2030	178	442	<0.001		622	140	66	2.7	180	155	21.	0.4	1410	
9273	AGDEMPIRE	04/17/89	7:17	18.8	7.5	6.7	2160	212	542			596	130	66	2.5	204	81	7.4	0.4	1280	
9338	AGDEMPIRE	04/25/89	8:13	15.2	7.3	5.6	2320	230	594	<0.001		596	130	66	2.2	197	61	9.	0.4	1420	
9368	AGDEMPIRE	05/23/89	8:18	17.6	6.7	8.7	800	56	92	<0.001		302	75	28	6.5	78	114	85.	0.6	632	
9488	AGDEMPIRE	06/21/89	7:30	20.4	6.9	4.5	524	43	67	<0.001		167	37	18	1.8	78	67	12.	0.2	356	
9443	AGDEMPIRE	06/26/89	7:18	18.7	7.0	4.5	629	49	91			199	45	21	1.9	71	91	13.	0.3	463	
9469	AGDEMPIRE	06/26/89	7:18	18.7	7.0	4.5	630	50	92			208	47	22	2.	69	88	14.	0.3	452	
9562	AGDEMPIRE	07/18/89	7:40	24.0	6.8	3.8	422	33	49	<0.001		142	32	15	2.1	88	42	5.4	0.4	329	
9605	AGDEMPIRE	08/03/89	9:55	22.4	7.4	5.9	346	30	48	<0.001		107	23	12	1.1	68	26	1.8	0.1	223	
9631	AGDEMPIRE	09/20/89	7:40	19.0	7.2	4.0	2310	153	492	<0.001		912	207	96	5.	275	200	13.	0.5	1490	
9670	AGDEMPIRE	11/07/89	11:40	16.0	7.5	5.4	1600	146	379	<0.001		472	105	51	2.2	142	60	24.	0.2	932	
8007	AGDGRAND	01/06/88	8:25	9.2	7.1	8.1	832	59	52	<0.001		336	59	46	1.7	189	137	58.	0.5	565	
8114	AGDGRAND	02/18/88	7:30	9.3	7.2	8.8	642	45	38	<0.001		253	42	36	1.4	188	81	6.3	0.4	448	
8211	AGDGRAND	03/17/88	7:19	13.0	7.1	8.0	324	19	15	<0.001		116	20	16	1.5	101	30	4.2	0.2	200	
8247	AGDGRAND	04/15/88	7:40	15.1	6.9	7.3	361	28	21	<0.001		132	23	18	1.6	114	42	9.2	0.2	228	
8392	AGDGRAND	05/19/88	6:55	18.2	7.4	6.7	278	18	12	<0.001		105	19	14	1.6	91	27	5.6	0.1	178	
8414	AGDGRAND	06/07/88	6:17	15.8	7.1	6.5	308	20	14	<0.001		114	21	15	1.8	94	36	3.2	0.1	200	
8449	AGDGRAND	07/06/88	6:54	20.0	7.0	5.7	276	17	11	<0.001		108	20	14	1.3	92	35	6.3	0.2	180	
8571	AGDGRAND	08/02/88	8:10				222	14	10	<0.001		85	16	11	1.3	73	20	4.	0.1	146	
8691	AGDGRAND	09/15/88	6:55	18.8	6.9	5.2	363	25	20	<0.001		150	27	20	2.1	118	45	3.6	0.2	236	
8720	AGDGRAND	10/13/88	7:00	15.6	7.2	6.7	409	27	23	<0.001		163	29	22	1.6	121	48	9.	0.3	272	
8758	AGDGRAND	11/17/88	8:09	9.9	7.2	8.6	398	30	20	<0.001		144	23	21	1.7	154	24	3.2	0.3	264	
8804	AGDGRAND	12/06/88	7:40	10.8	7.2	9.2	370	27	18	<0.001		150	27	20	1.4	145	23	2.4	0.3	238	
9072	AGDGRAND	01/17/89	7:50	9.8	7.1	9.1	482	36	27	<0.001		194	33	27	1.3	166	45	6.1	0.3	323	
9152	AGDGRAND	02/14/89	7:30	9.5	7.0	9.4	564	44	34			224	37	32	1.3	196	53	4.6	0.4	374	
9227	AGDGRAND	03/14/89	7:54	12.0	6.7	7.8	756	48	41	<0.001		313	56	42	1.6	190	125	26.	0.4	515	
9256	AGDGRAND	04/11/89	6:20	16.3	7.2	6.9	357	22	16	<0.001		130	24	17	1.5	108	43	7.4	0.2	228	
9352	AGDGRAND	05/09/89	6:30	19.0	7.5	6.3	314	25	22	<0.001		101	19	13	1.4	96	24	5.1	0.2	202	
9479	AGDGRAND	06/13/89	6:35	18.2	7.1	7.0	292	26	16	<0.001		88	17	11	1.4	95	24	3.5	0.2	184	
9554	AGDGRAND	07/11/89	7:00	19.9	6.8	6.5	325		23	<0.001						92	29	4.4	0.2	205	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L----->									
9607	AGDGRAND	08/16/89	7:57	21.2	7.6	7.2	360	30	27	<0.001		116	20	16	1.4	126	16	1.8	0.2	210	
9623	AGDGRAND	09/13/89	6:45	18.9	8.3	6.8	264	19	12	<0.001		97	19	12	1.5	98	17	1.9	0.1	160	
9643	AGDGRAND	10/12/89	6:42	18.3	7.2		531	35	25	<0.001		224	40	30	1.9	222	33	1.9	0.4	339	
9672	AGDGRAND	11/14/89	8:45	13.1	7.4	6.2	458	37	25	<0.001		170	30	23	1.3	177	26	2.7	0.4	289	
8076	AMERICAN	01/21/88	11:00	9.8	7.2	12.5	87	4	3												1004.
8134	AMERICAN	02/23/88	10:30	12.9	7.2	10.8	85	3	4												1003.
8225	AMERICAN	03/24/88	11:00	19.1	7.2	10.8	78	3	3												1005.
8324	AMERICAN	04/28/88	5:25	14.7	8.0	9.3	77	3	3												1005.
8401	AMERICAN	05/26/88	5:50	16.5	8.2	8.8	75	3	3												1005.
8433	AMERICAN	06/22/88	9:19	19.9	7.2	8.9	76	3	3												1003.
8471	AMERICAN	07/14/88	5:50				76	3	3												
8590	AMERICAN	08/16/88	5:45	20.5	7.0	7.6	72	4	3												
8702	AMERICAN	09/22/88	9:00	20.4	7.0	7.9	70	3	3												1004.
8731	AMERICAN	10/20/88	5:30	19.5	6.6	8.4	74	3	3												
8734	AMERICAN	10/20/88	5:30				69	3	3												
8753	AMERICAN	11/10/88	6:15	16.2	6.5	9.1	68	3	3												
8836	AMERICAN	12/20/88	7:00	11.4	6.8	10.8	82	3	3												
9100	AMERICAN	01/31/89	6:30	10.3	7.7	12.2	102	4	4												
9190	AMERICAN	02/28/89	6:30	12.0	6.2	11.3	85	4	4												
9243	AMERICAN	03/28/89	10:14	11.8	7.7	10.3	75	3	3												
9340	AMERICAN	04/25/89	9:26	12.0	7.7	10.4	70	3	2												
9370	AMERICAN	05/23/89	9:31	14.4	7.7	10.1	65	3	2												
9490	AMERICAN	06/21/89	5:30	14.9	7.3	9.6	61	2	2												
9563	AMERICAN	07/18/89	5:35	22.7	7.1	8.7	60	4	2												
9611	AMERICAN	08/16/89	6:00	18.2	6.7		55	2	2												
9632	AMERICAN	09/20/89	9:00	18.7	7.9	8.3	56	2	<1												
9678	AMERICAN	11/14/89	6:25	13.2	7.2	9.5	58	3	2												
9700	AMERICAN	12/12/89	7:05	9.3	8.0	11.0	64	3	2												
8011	BANKS	01/07/88	9:24	8.2	7.3	11.8	574	64	105	<0.001											6303.
8086	BANKS	01/25/88	10:20	9.9	7.6	10.6				0.002											6342.
8097	BANKS	02/02/88	10:32	9.8	7.3	10.3	460	49	71	<0.001											6299.
8091	BANKS	02/10/88	8:55	11.4	7.3	9.5	392	37	51	0.018											6305.
8101	BANKS	02/19/88	12:30	11.1	7.6	11.7	372	32	43	<0.001											6145.
8105	BANKS	02/22/88	11:34	12.4	7.3	10.1	378	33	44	<0.001											6332.
8142	BANKS	02/24/88	16:30	13.9						<0.001											4347.
8146	BANKS	03/03/88	9:00	13.7	7.6	10.5	593	70	106	<0.001											4935.
8206	BANKS	03/08/88	10:40	15.0	7.6	8.6	523	55	86	0.002											4726.
8218	BANKS	03/22/88	10:18	15.5	7.6	10.2	626	71	113	<0.001											5145.
8230	BANKS	03/29/88	9:15	15.0	7.6	9.6	716	91	141	<0.001											3641.
8235	BANKS	04/05/88	7:50	15.4	7.5	9.3	661	79	120	<0.001											
8242	BANKS	04/12/88	9:40	18.3	7.6	9.1	569	65	97	<0.001											3595.
8303	BANKS	04/19/88	9:38	15.8	7.4		435	47	68	<0.001											4617.

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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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<----------				mg/L				---------->	
8307	BANKS	04/26/88	9:49	16.0	7.3	9.1	392	41	56	<0.001											6316.
8330	BANKS	05/03/88	8:35	16.6	7.9	8.9	372	39	50	<0.001											1898.
8386	BANKS	05/10/88	9:50	19.0	7.6	8.2	382	40	50	<0.001											5184.
8405	BANKS	05/17/88	10:15	18.5	7.7	8.5	344	34	45	<0.001											4723.
8409	BANKS	05/31/88	9:50	18.0	7.7	8.8	392	42	58	<0.001											1569.
8422	BANKS	06/14/88	8:27	23.0	7.5	6.7	457	51	70	<0.001											863.
8438	BANKS	06/28/88	9:40	22.0	7.8	8.0	480	58	86	<0.001											4481.
8457	BANKS	07/12/88	8:30	21.5	7.8	8.0	575	66	107	<0.001											1938.
8567	BANKS	07/26/88	9:45	24.5	7.7	7.1	664	82	141	<0.001											2955.
8579	BANKS	08/09/88	10:15	22.0	7.4	7.9	675	93	152	<0.001											
8595	BANKS	08/23/88	8:30	22.5	7.6	7.4	588	73	114	<0.001											
8682	BANKS	09/06/88	8:20	24.2	7.8	6.7	721	91	152	<0.001											
8707	BANKS	09/20/88	9:32	18.4	7.6	8.7	687	87	138	<0.001											
8714	BANKS	10/04/88	8:35	20.1	7.4	8.0	689	86	124	<0.001											
8744	BANKS	11/01/88	9:45	17.6	6.7	8.8	692	87	135	<0.001											
8766	BANKS	11/15/88	11:15	15.0	7.4	9.2	800	99	170	<0.001											
8771	BANKS	11/29/88	10:47	11.7	7.8	10.7	749	92	156	<0.001											
8813	BANKS	12/13/88	10:02	11.3	7.1	10.7	739	92	156	<0.001											
8841	BANKS	12/27/88	10:35	6.7	7.2	11.6	757	94	158	<0.001											
9054	BANKS	01/10/89	9:20	12.5	7.0	11.4	610	72	112	<0.001											
9092	BANKS	01/24/89	11:20	8.1	7.2	11.2	564	65	103	<0.001											
9146	BANKS	02/02/89	8:00	8.2	7.0		662	80	128	<0.001											
9132	BANKS	02/07/89	9:00	5.9	6.8	12.1	748	91	148	<0.001											
9165	BANKS	02/09/89	8:10	6.7	6.7	12.0	863	109	186	<0.001											
9177	BANKS	02/14/89	8:10	7.2	7.6		762	95	152	<0.001											
9182	BANKS	02/16/89	8:20	9.5	6.7	11.4	785	98	157	<0.001											
9195	BANKS	02/23/89	12:15	12.4	7.1	11.0	758	91	152	<0.001											
9204	BANKS	03/02/89	10:30	12.3	7.5	10.4	680	81	137	<0.001		124	20	18	3.9	75	39	2.8	0.1	377	
9213	BANKS	03/07/89	8:50	13.6	7.3	10.0	646	78	127	<0.001											
9236	BANKS	03/21/89	10:36	15.6	7.7	8.4	471	52	79	<0.001											
9248	BANKS	04/04/89	8:24	16.2	8.2	7.9	286	26	34	<0.001											
9332	BANKS	04/18/89	7:20	18.0	8.0		221	18	20	<0.001											
9346	BANKS	05/02/89	8:30	18.4	7.8	8.0	237	20	21	<0.001											
9428	BANKS	06/06/89	8:20	20.5	8.1	7.9	300	28	35	<0.001											
9548	BANKS	07/05/89	10:18	23.0	7.7	8.2	291	28	35	<0.001											
9587	BANKS	07/25/89	9:00	23.8	7.7	9.2	300	33	55				14	6		61	18			190	
9603	BANKS	08/03/89	8:35	23.0	7.9	9.2				<0.001											
9617	BANKS	09/06/89	8:38	21.5	7.2	8.6	377	43	61	<0.001											
9637	BANKS	10/02/89	8:38	18.8	7.5	10.0	430	55	70	<0.001											
9663	BANKS	11/07/89	9:15	15.1	7.7	8.8	523	60	95	<0.001											
9685	BANKS	12/05/89	9:22	11.8	7.6		651	78	132	<0.001											
8002	BARKER	01/06/88	12:10	9.3	7.3	10.4	387	37	30												
8109	BARKER	02/18/88	12:15	10.3	7.5	10.1	540	52	46												
8216	BARKER	03/17/88	9:00	13.7	7.6	10.2	639	63	61												
8251	BARKER	04/14/88	8:57	16.3	7.4	8.4	539	45	34												
8396	BARKER	05/19/88	10:05	24.3	7.9	5.6	673	64	61												
8419	BARKER	06/07/88	7:52	18.1	7.7	6.8	590	55	50												
8452	BARKER	07/06/88	8:30	21.6	7.5	7.5	366	34	27												
8574	BARKER	08/02/88	12:30	21.8	7.9	8.0	241	20	16												

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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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----									
8694	BARKERNOBAY	09/15/88	8:18	17.9	7.3	8.5	274	21	16												
8723	BARKERNOBAY	10/13/88	9:05	16.9	7.5	7.6	323	26	21												
8761	BARKERNOBAY	11/17/88	9:36	12.4	7.4	9.0	298	22	20												
8807	BARKERNOBAY	12/06/88	10:15	9.9	7.1	10.8	283	23	21												
9075	BARKERNOBAY	01/17/89	9:50	8.2	7.3	11.5	381	34	34												
9155	BARKERNOBAY	02/14/89	9:15	8.4	6.9	12.2	419	37	37												
9230	BARKERNOBAY	03/14/89	9:27	15.0	7.7	9.1	609	62	74												
9259	BARKERNOBAY	04/11/89	7:45	19.1	7.3	7.3	495	49	47												
9355	BARKERNOBAY	05/09/89	8:50	19.5	7.5	8.2	477	45	38												
9482	BARKERNOBAY	06/13/89	8:35	18.8	7.4	8.2	358	30	25												
9556	BARKERNOBAY	07/11/89	8:55	20.9	7.3	7.8	289	22	18												
9609	BARKERNOBAY	08/16/89	9:31	22.0	7.7	8.8	247	18	14												
9625	BARKERNOBAY	09/13/89	8:50	19.8	7.2	8.3	249	19	13												
9645	BARKERNOBAY	10/12/89	9:54	19.0	7.0		322	26	22												
9674	BARKERNOBAY	11/14/89	13:40	13.7	7.8	9.4	314	25	23												
9696	BARKERNOBAY	12/12/89	11:35	10.9	7.8	10.5	315	26	24												
8017	BOULDIN1	01/12/88	7:50	10.1	6.4	4.5	937	72	77	<0.001		357	69	45	3.3	171	197	27.	0.4	729	
8151	BOULDIN1	03/08/88	8:51	9.1	7.3		936	105	94	<0.001		295	59	36	3.	251	108	7.3	0.4	644	
8252	BOULDIN1	04/18/88	7:26	16.5	7.1	8.1	305	26	24	<0.001		100	20	12	1.8	88	23	5.5	0.1	201	
8336	BOULDIN1	05/09/88	8:37	18.6	7.1	8.5	201	15	13	<0.001		68	14	8	1.3	68	17	4.	0.1	136	
8472	BOULDIN1	07/18/88	8:57	23.3	7.0	5.3	178	14	9			62	13	7	1.5	74	12	2.7	0.1	119	
8598	BOULDIN1	08/10/88	11:18				186	14	10												
8621	BOULDIN1	08/17/88	9:16	21.5	7.2	3.5	338	28	19												
8657	BOULDIN1	08/24/88	9:31	21.6	7.4	3.4	323	29	23												
8673	BOULDIN1	08/31/88	9:13				349	34	26												
8786	BOULDIN1	11/30/88	11:15	9.3	7.0	5.3	471	32	34			181	36	22	6.9	153	38	7.4	0.3	348	
8800	BOULDIN1	12/07/88	11:04	10.9	7.8	7.1	418	30	27			162	32	20	5.6	136	35	9.6	0.3	305	
8829	BOULDIN1	12/20/88	9:00	8.1	7.2	6.5	574	39	41			216	42	27	6.6	119	100	12.	0.3	423	
8856	BOULDIN1	12/28/88	9:25	5.0	7.3	7.8	584	43	48			209	39	27	5.1	120	92	13.	0.3	421	
9001	BOULDIN1	01/03/89	10:15	7.0	6.9	7.7	582	41	46			232	45	29	5.1	146	75	12.	0.3	438	
9068	BOULDIN1	01/11/89	10:40	5.6		9.2	522	38	42			194	38	24	4.6	129	65	19.	0.3	406	
9089	BOULDIN1	01/18/89	9:31	6.2	7.2	7.1	509	39	36			196	39	24	4.9	150	56	14.	0.4	398	
9114	BOULDIN1	01/26/89	8:28	6.6	7.4	9.5	527	45	40			183	37	22	2.7	141	68	8.5	0.2	359	
9127	BOULDIN1	02/03/89	10:09	9.8	6.1	5.4	829	59	74			313	58	41	3.5	188	119	25.	0.3	607	
9263	BOULDIN1	04/17/89	8:43	19.4	7.2	5.7	531	51	28			172	36	20	1.8	100	127	5.8	0.4	392	
9384	BOULDIN1	06/01/89	8:51	21.4	7.4	4.5	573	52	75			170	35	20	1.6	112	61	1.	0.2	370	
9397	BOULDIN1	06/08/89	8:57	19.3	7.2	3.8	373	32	39			120	25	14	1.9	101	27	2.7	0.2	247	
9410	BOULDIN1	06/15/89	9:35	22.0	7.2	5.4	241	18	13			80	17	9	1.9	65	28	6.	0.1	162	
9423	BOULDIN1	06/19/89	7:40	18.9	7.1	5.2	300	23	21			100	22	11	2.2	70	38	9.2	0.2	221	
9433	BOULDIN1	06/26/89	8:09	18.2	7.6	4.9	349	24	19			125	30	12	3.5	90	48	9.	0.2	248	
9504	BOULDIN1	07/07/89	9:45	23.3	7.1	3.6	384	25	18			143	34	14	2.8	98	51	18.	0.2	282	
9517	BOULDIN1	07/14/89	7:29	20.0	7.1	2.5	485	33	20			191	47	18	3.6	143	65	16.	0.3	365	
9530	BOULDIN1	07/21/89	7:25	22.1	6.6	3.9	305	21	18			112	25	12	2.2	85	37	5.8	0.2	222	
9543	BOULDIN1	07/28/89	7:11	20.5	7.3	4.1	236	15	11			87	20	9	1.4	72	28	4.3	0.2	179	
8018	BOULDIN2	01/12/88	8:25	5.8	6.0	5.5	698	38	48	0.002		280	56	34	2.5	31	203	47.	0.2	531	
8152	BOULDIN2	03/08/88	8:39	11.1	6.5		553	41	51	<0.001		187	37	23	2.1	103	90	10.	0.5	450	
8253	BOULDIN2	04/18/88	8:00	17.0	6.7	4.2	494	38	46	<0.001		183	37	22	2.2	99	65	12.	0.3	387	
8337	BOULDIN2	05/09/88	7:52	18.9	7.4	7.7	279	23	23	<0.001		100	20	12	1.6	84	21	5.8	0.2	200	
8473	BOULDIN2	07/18/88	8:26	23.9	6.5	3.3	202	14	11			74	15	9	1.	56	30	4.5	0.1	150	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----									
8599	BOULDIN2	08/10/88	10:44				218	16	12												
8622	BOULDIN2	08/17/88	9:44	22.7	6.8	5.0	440	36	36												
8658	BOULDIN2	08/24/88	9:55	22.6	7.3	4.2	350	30	26												
8674	BOULDIN2	08/31/88	9:36				312	31	29												
8787	BOULDIN2	11/30/88	11:52	9.9	7.2	3.2	467	27	26			178	35	22	7.4	153	47	7.6	0.3	353	
8801	BOULDIN2	12/07/88	11:41	11.9	7.4	5.0	412	25	22			172	34	21	6.3	146	34	8.7	0.3	318	
8830	BOULDIN2	12/20/88	8:30	8.6	6.7	3.8	597	36	44			239	46	30	7.	111	114	12.	0.4	448	
8857	BOULDIN2	12/28/88	10:30	7.7	7.3	4.6	745	51	62			298	60	36	8.9	100	176	22.	0.6	641	
9002	BOULDIN2	01/03/89	11:00	7.3	6.9	5.7	769	50	76			300	56	39	5.4	160	124	9.6	0.4	591	
9069	BOULDIN2	01/11/89	11:06	6.0		8.2	624	42	60			222	43	28	4.5	121	99	19.	0.4	488	
9090	BOULDIN2	01/18/89	10:17	8.3	6.9	4.3	707	47	68			295	59	36	4.1	134	140	18.	0.4	566	
9115	BOULDIN2	01/26/89	9:36	8.1	6.6	7.2	425	24	22			156	31	19	2.	34	107	35.	0.2	329	
9128	BOULDIN2	02/03/89	10:42	10.0		5.9	632	44	60			226	41	30	2.5	73	132	16.	0.3	481	
9264	BOULDIN2	04/17/89	8:21	18.9	7.5	9.6	333	25	21			111	23	13	1.8	70	58	7.2	0.2	237	
9385	BOULDIN2	06/01/89	9:18	22.4	7.1	4.7	466	38	61			134	29	15	1.6	64	56	13.	0.3	342	
9398	BOULDIN2	06/08/89	9:23	21.0	6.7	5.1	270	21	19			86	18	10	1.5	49	43	12.	0.2	216	
9411	BOULDIN2	06/15/89	10:15	23.2	6.5	4.9	256	20	16			82	18	9	1.4	38	47	14.	0.3	227	
9424	BOULDIN2	06/19/89	6:51	19.3	6.6	5.3	258	22	18			88	19	10	1.6	64	37	4.3	0.3	226	
9434	BOULDIN2	06/26/89	7:47	18.2	7.2	5.7	296	22	20			100	22	11	2.	60	46	8.8	0.2	224	
9505	BOULDIN2	07/07/89	9:00	22.6	7.4	3.9	197	15	11			68	14	8	1.6	57	21	5.5	0.2	152	
9518	BOULDIN2	07/14/89	6:52	20.4	7.1	6.9	182	13	10			64	14	7	1.2	57	19	2.4	0.2	139	
9531	BOULDIN2	07/21/89	8:02	22.8	6.4	6.4	218	16	14			73	16	8	1.4	52	31	4.6	0.2	167	
9544	BOULDIN2	07/28/89	7:50	20.8	7.4	5.3	195	14	11			70	15	8	1.2	48	29	3.3	0.2	169	
8614	BOULDSIPH01	08/10/88	11:53	23.0	7.1	8.9	175	11	8												
8630	BOULDSIPH01	08/17/88	8:54	22.3	7.4	5.5	179	12	8												
8659	BOULDSIPH01	08/24/88	9:08	22.8	7.9	7.8	194	14	10												
8675	BOULDSIPH01	08/31/88	8:50				199	15	9												
8785	BOULDSIPH01	11/30/88	10:27	9.8	7.0	3.6	293	15	15			122	24	15	5.5	111	14	9.	0.2	190	
8799	BOULDSIPH01	12/07/88	10:28	12.5	7.3	6.7	267	15	12			105	22	12	1.7	78	29	9.9	0.2	178	
8828	BOULDSIPH01	12/20/88	8:00	10.5	6.4	6.3	263	18	10			102	21	12	1.8	100	15	6.6	0.1	166	
8855	BOULDSIPH01	12/28/88	7:50	6.4	7.2	12.0	196	13	10			68	14	8	1.9	67	13	4.1	<0.1	122	
9067	BOULDSIPH01	01/11/89	10:16	7.7		8.0	292	20	12			109	22	13	1.8	117	13	9.6	0.1	193	
9088	BOULDSIPH01	01/18/89	8:27	7.7	9.1	9.2	225	17	13			78	15	10	2.3	74	17	4.1	0.1	143	
9113	BOULDSIPH01	01/26/89	7:40				330	21	11			120	25	14	1.7	126	10	9.3	0.1	195	
9383	BOULDSIPH01	06/01/89	8:25	21.1	7.2	7.6	427	33	20			148	31	17	1.4	100	72	4.2	<0.1	296	
9396	BOULDSIPH01	06/08/89	8:36	20.6	7.6	7.4	167	11	8			59	12	7	1.6	60	10	2.1	<0.1	108	
9409	BOULDSIPH01	06/15/89	9:00	22.1	7.5	7.5	187	13	8			68	14	8	1.4	67	12	1.9	<0.1	121	
9422	BOULDSIPH01	06/19/89	8:23	21.7	7.9	8.4	176	12	9			62	13	7	1.4	62	11	1.9	<0.1	110	
9503	BOULDSIPH01	07/07/89	10:15	23.5	7.4	8.7	147	10	6			52	11	6	1.2	50	9	4.	<0.1	92	
9516	BOULDSIPH01	07/14/89	8:10	22.9	7.7	8.5	172	11	11			62	13	7	1.2	57	8	1.4	<0.1	103	
9529	BOULDSIPH01	07/21/89	6:24	22.5	7.1	8.7	132	8	5			46	10	5	1.1	50	7	1.4	<0.1	84	
8019	BRANNANPP01	01/12/88	10:00	7.5	6.5	8.1	854	70	102	<0.001		279	51	37	2.9	82	162	38.	0.2	593	
8153	BRANNANPP01	03/08/88	8:11	10.2	6.8		538	51	68	<0.001		152	28	20	2.	88	61	9.9	0.3	366	
8254	BRANNANPP01	04/18/88	7:50	15.0	6.7	4.2	356	36	40	<0.001		108	20	14	1.8	88	32	7.1	0.2	266	
8338	BRANNANPP01	05/09/88	7:19	20.2	7.1	4.2	378	42	47	<0.001		104	20	13	1.8	101	19	8.8	0.3	279	
9003	BRANNANPP01	01/03/89	9:30	6.4	6.9	7.2	833	66	95			269	47	37	2.6	60	176	33.	0.2	590	
9265	BRANNANPP01	04/17/89	7:49	19.4	7.2	5.0	582	48	58			184	34	24	2.1	86	103	15.	0.2	401	
9435	BRANNANPP01	06/26/89	7:24	18.7	7.7	3.9	288	25	24			90	18	11	1.7	69	32	5.6	0.1	195	
8020	BRANNANPP02	01/12/88	8:50	8.3	6.8	7.4	974	80	122	0.001		334	58	46	3.6	129	168	28.	0.3	673	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----									
8154	BRANNANPP02	03/08/88	7:24	12.8	6.7		643	44	95	<0.001		197	36	26	3.8	93	35	31.	0.2	409	
8255	BRANNANPP02	04/18/88	6:37	15.5	6.7	0.1	602	44	92	<0.001		202	38	26	3.4	131	31	24.	0.4	418	
8339	BRANNANPP02	05/09/88	6:17	17.1	6.8		585	44	92	<0.001		198	38	25	3.	151	21		0.4	426	
9004	BRANNANPP02	01/03/89	9:10	7.5	6.7	2.3	773	58	115			261	47	35	4.1	90	93	26.	0.2	522	
9266	BRANNANPP02	04/17/89	6:50	16.5	6.9	2.9	538	42	89			162	32	20	3.4	94	6	39.	0.2	375	
9436	BRANNANPP02	06/26/89	6:41	17.2	6.9	2.0	565	44	93			167	32	21	3.5	110	6	30.	0.2	386	
8021	BRANNANPP03	01/12/88	9:05	8.3	6.6	2.5	1000	73	140	<0.001		349	59	49	4.4	137	146	26.	0.3	645	
8155	BRANNANPP03	03/08/88	7:39	13.8	6.8		1380	78	219	<0.001		516	88	72	6.	161	139	6.7	0.3	782	
8256	BRANNANPP03	04/18/88	7:00	16.0	6.5	0.0	1370	73	217	<0.001		534	90	75	5.5	233	150		0.4	73	
8340	BRANNANPP03	05/09/88	6:38	17.8	6.8		1250	70	195	<0.001		484	85	66	5.1	243	107		0.3	751	
8476	BRANNANPP03	07/18/88	6:49	20.0	6.6	0.0	1010	79	150			364	65	49	5.	183	106	28.	0.4	734	
9005	BRANNANPP03	01/03/89	8:50	6.0	7.1	6.9	1080	92	152			370	66	50	6.8	119	190	21.	0.3	791	
9267	BRANNANPP03	04/17/89	7:28	17.2	6.8	2.9	1540	98	259			537	98	71	5.8	241	176	0.7	0.5	879	
9437	BRANNANPP03	06/26/89	7:05	17.3	6.9	3.9	941	61	129			334	63	43	3.4	112	133	34.	0.3	604	
8022	BRANNANPP04	01/12/88	9:40	11.2	6.8	7.1	889	79	96	0.001		290	50	40	2.9	196	108	28.	0.3	595	
8156	BRANNANPP04	03/08/88	7:54	11.9	7.3		1000	86	133	<0.001		351	60	49	3.	220	99	4.9	0.3	642	
8257	BRANNANPP04	04/18/88	7:24	15.5	6.7	6.0	662	59	85	<0.001		220	40	29	2.1	119	90	3.4	0.2	421	
8341	BRANNANPP04	05/09/88	6:57	17.4	7.5	8.0	403	35	44	<0.001		133	25	17	1.6	103	29	5.2	0.2	251	
8477	BRANNANPP04	07/18/88	7:15	20.7	6.6	3.9	579	52	84			181	33	24	1.8	78	81	3.4	0.2	369	
9006	BRANNANPP04	01/03/89	8:15	7.4	6.4	7.0	1260	119	200			412	71	57	3.2	143	187	24.	0.4	913	
9268	BRANNANPP04	04/17/89	7:28	18.4	7.3	6.3	892	85	136			266	49	35	2.5	173	81	4.3	0.3	578	
9438	BRANNANPP04	06/26/89	7:05	16.7	7.4	6.5	414	38	51			119	23	15	2.1	88	33	6.2	0.2	254	
8563	CACHEMINER	07/19/88	10:00				162	11	8											94	
8139	CHECK 12	02/24/88	22:40	14.0	7.9					<0.001											
8527	CHECK 12	07/12/88	15:35				553	66	104												
8138	CHECK 13	02/24/88	22:05	14.0	8.1					<0.001											
8528	CHECK 13	07/12/88	14:45				604	71	106												
8013	CLIFTON	01/07/88	10:36	7.3	7.3	12.0	588	66	111												7083.
8093	CLIFTON	02/10/88	9:25	11.2	7.1	9.8	364	32	44												6390.
8148	CLIFTON	03/03/88	10:20	13.6	7.5	10.7	574	65	103												5289.
8237	CLIFTON	04/05/88	8:30	16.4	7.5	9.4	672	79	120												2292.
8332	CLIFTON	05/03/88	9:25	17.7	7.7	8.8	337	33	44												2407.
8424	CLIFTON	06/14/88	9:39	22.9	7.5	6.9	416	44	62												1754.
8459	CLIFTON	07/12/88	9:23	23.0	7.5		560	67	108												2000.
8581	CLIFTON	08/09/88	11:30	23.8	7.6	7.4	616	82	133												
8684	CLIFTON	09/06/88	9:15	24.6	7.6	7.2	713	86	131												
8716	CLIFTON	10/04/88	9:36	20.8	7.8	7.9	617	73	110												
8746	CLIFTON	11/01/88	10:34	17.5	7.6	8.3	844	106	141												
8815	CLIFTON	12/13/88	10:45	11.5	7.1	10.6	726	91	154												
9056	CLIFTON	01/10/89	10:45	8.7	7.0	11.5	655	79	128												
9134	CLIFTON	02/07/89	9:50	6.6	6.9	10.8	827	104	178												
9215	CLIFTON	03/07/89	9:30	13.5	7.2	9.8	503	56	86												
9250	CLIFTON	04/04/89	9:10	16.3	7.7	8.0	231	19	25												
9348	CLIFTON	05/02/89	9:20	19.2	8.0	8.6	238	20	22												
9430	CLIFTON	06/06/89	9:30	22.0	7.8	8.1	266	25	30												
9550	CLIFTON	07/05/89	12:30	24.8	7.7	7.6	333	31	39												
9639	CLIFTON	10/02/89	7:57	19.4	7.7	10.5	405		66												
9665	CLIFTON	11/07/89	10:20	15.9	7.7	8.4	469	52	78												
9687	CLIFTON	12/05/89	10:06	12.2	7.7		565	66	102												

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----								---->	
8157	CLIFTONCT	03/08/88	14:15	18.7	6.0	9.2	3510	496	788	0.004		661	116	90	2.8	133	456	57.	5.1	2180	
8258	CLIFTONCT	04/18/88	13:45	17.6	7.1	4.7	5100	875	1200	0.002		738	109	113	1.9	312	589	18.	11.	3240	
8342	CLIFTONCT	05/09/88	11:04	18.9	7.4	6.9	6460	1160	1580	0.002		913	123	147	1.7	360	725	12.	16.	4080	
9007	CLIFTONCT	01/03/89	10:42	13.2	7.3	6.7	5620	979	1360			773	100	127	2.5	358	578	12.	16.	3530	
9269	CLIFTONCT	04/17/89	10:23	17.6	6.8	5.6	4710	765	1100			746	114	112	1.6	202	626	74.	8.6	2960	
9439	CLIFTONCT	06/26/89	9:50	19.5	7.1	5.8	4980	807	1130			685	98	107	1.5	298	603	28.	12.	3150	
8023	COLUSA	01/12/88	11:50	7.6	7.5	10.5	568	62	32	0.001		152	28	20	3.7	139	96	4.6	0.2	354	
8158	COLUSA	03/08/88	11:12	12.9	7.5		799	86	47	<0.001		240	40	34	2.1	218	122	4.6	0.3	490	
8259	COLUSA	04/18/88	11:35	16.0	7.9	8.8	330	32	13	<0.001		101	19	13	2.	104	39	5.6	0.1	204	
8343	COLUSA	05/09/88	11:23	21.7	8.0	7.1	402	43	16	<0.001		114	21	15	2.	124	50	4.2	0.2	248	
8479	COLUSA	07/18/88	12:36	29.5	7.9	7.8	554	60	24			185	31	26	1.4	205	70	4.3	0.4	348	
9008	COLUSA	01/03/89	11:36	7.6		12.2	948	113	55			275	44	40	2.9	236	175	5.6	0.3	596	
9270	COLUSA	04/17/89	10:19	21.1	8.2	8.1	531	56	26			154	27	21	2.5	166	65	5.1	0.3	320	
9440	COLUSA	06/26/89	12:45	23.8	6.7	7.3	717	80	35			191	32	27	1.7	230	93	5.2	0.4	440	
9571	CONNMAND	07/25/89	7:22	23.8			200	26	26				16	6		55	17			130	
9593	DELTACRCHAN	07/25/89	6:46	20.3	7.7	9.3	120	6	1				9	5		48	6			68	
8558	DISAPPHONKER	07/19/88	12:45				200	15	15											122	
8012	DMC	01/07/88	10:05	7.6	7.1	12.0	488	49	80	<0.001											3936.
8098	DMC	02/02/88	11:00	9.9	7.3	9.5	748	83	106	<0.001											4084.
8092	DMC	02/10/88	8:55	11.1	7.2	9.5	376	33	45	<0.001											4093.
8102	DMC	02/19/88	13:10	11.9	7.7	10.9	1200	145	169	0.005											4099.
8141	DMC	02/24/88	16:50	14.7						<0.001											4101.
8147	DMC	03/03/88	9:45	13.3	7.4	10.5	575	59	81	0.001											4105.
8205	DMC	03/08/88	11:16	17.0	7.5	9.4	437	42	61	<0.001											4134.
8219	DMC	03/22/88	10:42	15.5	7.4	10.0	633	73	120	<0.001											4104.
8231	DMC	03/29/88	9:50	15.0	7.5	9.5	763	89	132	0.001											4072.
8236	DMC	04/05/88	8:10	15.0	7.5	9.6	635	74	120	<0.001											
8243	DMC	04/12/88	10:21	18.1	7.4	9.1	490	52	72	<0.001											4098.
8304	DMC	04/19/88	10:01	16.0	7.8		390	42	60	<0.001											4089.
8308	DMC	04/26/88	10:13	16.2	7.4	8.8	793	93	108	0.002											4072.
8331	DMC	05/03/88	8:57	17.4	7.7	9.0	344	36	47	<0.001											3211.
8387	DMC	05/10/88	10:45	17.5	7.7	8.1	489	51	66	<0.001											3200.
8406	DMC	05/17/88	10:50	19.0	7.7	8.7	342	33	45	<0.001											3221.
8410	DMC	05/31/88	10:30	20.0	7.5	8.3	510	54	74	<0.001											2440.
8423	DMC	06/14/88	8:56	22.3	7.5	6.8	441	46	65	<0.001											2814.
8439	DMC	06/28/88	10:15	23.0	7.7	7.2	476	50	74	<0.001											2487.
8458	DMC	07/12/88	8:55	23.0	7.6	7.8	571	69	112	<0.001											4756.
8568	DMC	07/26/88	10:12	26.0	7.7	6.6	772	89	133	<0.001											4669.
8580	DMC	08/09/88	10:50	23.2	7.7	7.9	710	83	128	<0.001											
8596	DMC	08/23/88	9:10	23.8	7.6	6.9	860	100	131	0.002											
8683	DMC	09/06/88	8:45	24.7	7.7	6.9	814	97	138	0.001											
8708	DMC	09/20/88	9:55	19.1	7.6	8.7	828	94	126	0.002											
8715	DMC	10/04/88	8:59	19.7	7.4	7.6	783	91	129	<0.001											
8737	DMC	10/18/88	10:20	20.5	7.7	7.8	632	76	120	<0.001											
8745	DMC	11/01/88	10:11	17.0	7.4	8.2	883	104	140	0.001											
8772	DMC	11/29/88	11:10	12.1	7.8	10.4	674	79	132	<0.001											
8814	DMC	12/13/88	10:22	11.4	7.1	10.6	675	83	137	<0.001											
8842	DMC	12/27/88	11:00	7.1	7.3	11.3	791	99	174	<0.001											
9055	DMC	01/10/89	9:55	13.0	6.7	11.2	563	64	105	<0.001											

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L----->									
9147	DMC	02/02/89	8:30	8.4	7.1		611	71	112	<0.001											
9133	DMC	02/07/89	9:30	6.4	6.9	11.9	662	78	128	<0.001											
9166	DMC	02/09/89	8:45	6.8	6.8	12.0	897	115	198	<0.001											
9178	DMC	02/14/89	7:35	7.3	7.6		758	87	116	0.001											
9183	DMC	02/16/89	8:00	9.7	6.6	11.0	743	88	125	<0.001											
9161	DMC	02/21/89	10:45	12.5	7.4	10.3	799	93	130	0.001											
9196	DMC	02/23/89	12:45	12.8	7.1	10.8	699	84	137	<0.001											
9205	DMC	03/02/89	10:51	12.4	7.6	10.4	634	78	124	<0.001		124	20	18	3.9	76	37	2.6	0.1	349	
9214	DMC	03/07/89	9:10	13.2	7.3	9.9	567	64	97	<0.001											
9249	DMC	04/04/89	8:46	16.2	8.0	7.8	313	229	37	<0.001											
9333	DMC	04/18/89	6:45	18.1	7.6		209	16	18	<0.001											
9347	DMC	05/02/89	8:55	18.9	7.5	8.5	265	22	25	<0.001											
9361	DMC	05/16/89	9:46	21.3	7.7	8.0	312	28	35	<0.001											
9429	DMC	06/06/89	9:10	21.8	8.0	7.9	270	26	31	<0.001											
9549	DMC	07/05/89	10:42	23.4	7.8	7.7	276	26	32	<0.001											
9586	DMC	07/25/89	8:30	24.8	7.3	8.1	540	77	50				43	16		86	58			330	
9604	DMC	08/03/89	8:50	23.4	8.0	8.8				<0.001											
9618	DMC	09/06/89	9:02	21.7	7.3	8.4	338	35	46	<0.001											
9638	DMC	10/02/89	8:14	19.2	7.9	10.2	364	39	54	<0.001											
9664	DMC	11/07/89	9:50	15.3	7.6	8.8	488	54	79	<0.001											
9686	DMC	12/05/89	9:39	11.6	7.7		689	78	112	<0.001											
8140	DYER CHECK	02/24/88	17:00	13.3						<0.001											
8024	EGBERTPP01	01/12/88	9:10	6.3	7.1	9.3	968	60	40	0.001		460	64	73	1.3	274	204	22.	0.4	711	
8159	EGBERTPP01	03/08/88	8:38	6.1	7.3		1080	72	44	<0.001		518	72	82	2.1	426	119	5.1	0.5	710	
8260	EGBERTPP01	04/18/88	8:30	14.0	7.1	6.5	337	21	14	<0.001		137	22	20	1.8	105	43	2.3	0.2	217	
8344	EGBERTPP01	05/09/88	8:30	15.5	7.4	3.2	903	57	33	<0.001		421	60	66	2.	381	100	3.9	0.5	621	
8480	EGBERTPP01	07/18/88	8:34	21.5	7.0	6.6	297	19	13			124	20	18	2.2	120	35	1.5	0.2	197	
9009	EGBERTPP01	01/03/89	9:00	8.0		11.8	547	35	25			233	34	36	1.9	200	61	1.7	0.2	353	
9271	EGBERTPP01	04/17/89	7:53	17.2	7.4	5.7	524	37	25			204	32	30	1.8	180	62	2.4	0.3	339	
9441	EGBERTPP01	06/26/89	7:45	19.9	6.6	5.5	253	17	12			90	16	12	1.8	77	24	6.5	0.1	159	
8025	EGBERTPP02	01/12/88	9:50	7.0	7.2	9.0	1350	70	58	<0.001		677	88	111	1.2	195	462	33.	0.6	1030	
8160	EGBERTPP02	03/08/88	9:04	8.5	8.1		1820	94	74	<0.001		1010	134	163	2.7	436	540	1.5	0.8	1530	
8261	EGBERTPP02	04/18/88	9:07	16.0	8.1	9.5	875	54	38	<0.001		414	57	66	2.5	276	158	4.4	0.5	609	
8345	EGBERTPP02	05/09/88	8:55	17.1	8.2	4.5	1140	72	44	<0.001		600	82	96	2.5	441	181	1.5	0.7	830	
9010	EGBERTPP02	01/03/89	9:20	7.2		9.5	951	55	40			477	61	79	3.	376	120	5.4	0.4	657	
9272	EGBERTPP02	04/17/89	8:15	16.2	7.7	11.1	1550	83	72			730	101	116	3.5	374	440	0.4	0.8	1160	
9442	EGBERTPP02	06/26/89	8:15	19.6	6.4	7.4	379	25	16			131	21	19	1.7	62	88	5.6	0.2	240	
9470	EGBERTPP02	06/26/89	8:15	19.6	6.4	7.4	378	26	16			135	21	20	1.8	61	86	5.7	0.2	239	
9594	GEORGSLWALNU	07/25/89	7:03	20.4	7.5	9.3	120	8	2				9	3		48	8			64	
9207	GRANTLNCAN	03/02/89	11:32	13.7	7.7	8.2	1430	178	206	0.006		341	74	38	5.	142	254	8.8	1.1	886	
9584	GRANTLNCAN	07/25/89	7:20	24.5	6.6	7.9	800	110	130				68	24		110	100			510	
9579	GRANTOLD	07/25/89	10:07	25.4			800	130	130				63	19		110	120			510	
8001	GREENES	01/06/88	7:45	8.6	7.3	10.5	172	10	8			63	12	8	1.4	58	12	4.3	<0.1	108	36000.
8108	GREENES	02/18/88	6:30	10.5	7.4	10.5	224	14	11			77	16	9	1.6	71	14	2.1	<0.1	141	11400.
8213	GREENES	03/17/88	6:50	13.4	7.2	10.3	219	15	11			74	15	9	1.4	73	16	<0.1	<0.1	134	9970.
8249	GREENES	04/14/88	6:23	14.6	7.2	9.4	146	9	5			54	12	6	1.4	57	6	1.5	<0.1	92	18200.

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L----->									
8394	GREENES	05/19/88	5:50	18.1	7.7	7.9	196	14	9			68	14	8	1.7	71	12	0.8	<0.1	122	11500.
8416	GREENES	06/07/88	5:30	18.0	7.1	8.5	211	16	10			74	15	9	1.6	78	14	2.9	<0.1	130	9840.
8448	GREENES	07/06/88	6:08	20.8	7.3	7.5	142	10	6			52	11	6	1.3	54	7	1.4	<0.1		
8570	GREENES	08/02/88	7:00				159	10	7			59	12	7	1.4	61	9	1.8	<0.1	105	
8690	GREENES	09/15/88	6:25	20.0	7.3	7.6	226	17	10			72	14	9	1.8	86	12	1.5	0.1	133	
8719	GREENES	10/13/88	6:00	18.2	7.3	7.1	154	9	6			56	11	7	1.3	58	8	2.3	<0.1	91	
8757	GREENES	11/17/88	7:29	12.2	8.3	9.1	203	15	10			70	13	9	1.9	68	14	3.7	<0.1	123	
8803	GREENES	12/06/88	7:00	10.6	7.0	10.5	198	13	9			74	15	9	1.8	69	13	3.1	<0.1	119	
9071	GREENES	01/17/89	7:15	8.6	7.1	11.9	207	14	9			74	15	9	1.6	67	17	3.8	0.1	131	
9151	GREENES	02/14/89	6:45	8.7	6.5	11.7	186	12	8			68	14	8	1.5	67	9	3.2	<0.1	110	
9226	GREENES	03/14/89	7:26	12.7	6.4	9.0	114	6	4			43	9	5	1.6	43	6	1.5	<0.1	79	
9255	GREENES	04/11/89	5:30	17.0	6.8	8.5	170	11	7			62	13	7	1.4	63	11	2.	<0.1	106	
9351	GREENES	05/09/89	5:50	19.6	7.6	7.8	148	7	7			52	11	6	1.2	51	8	2.7	<0.1	96	
9478	GREENES	06/13/89	6:00	19.9	7.1	8.4	167	11	7			54	12	6	1.4	60	10	1.9	<0.1	105	
9553	GREENES	07/11/89	6:05	22.0	7.0	8.5	144	9	6			52	11	6	1.1	53	8	1.4	<0.1	92	
9592	GREENES	07/25/89	6:18	20.5	8.3	9.3	110	6	1				8	5		48	16			57	
9622	GREENES	09/13/89	5:55	20.1	7.2	9.1	167	10	6			59	12	7	1.3	65	8	1.6	<0.1	100	
9642	GREENES	10/12/89	6:13	18.7	7.2		169	11	8			59	12	7	1.3	60	10	2.7	<0.1	98	
9671	GREENES	11/14/89	8:05	12.8	7.4	9.6	153	10	8			52	11	6	1.2	55	8	1.2	<0.1	89	
9693	GREENES	12/12/89	9:00	9.9	7.1	11.4	142	12	6			46	10	5	1.2	54	7	1.4	<0.1	89	
9598	HONKER	07/25/89	8:59	23.8	7.4	8.6	160	12	9				12	5		55	10			77	
8556	HONKERWHITE	07/19/88	11:35	26.5	7.4	6.8	170	11	10											106	
8262	KARNACK	04/18/88	12:02	16.7	7.3	8.1	438	35	47	0.001		147	26	20	1.6	129	18	5.9	0.1	250	
8027	KINGISPP01	01/12/88	9:20	10.7	7.3	5.1	673	54	60	<0.001		241	52	27	0.9	233	29		0.1	422	
8162	KINGISPP01	03/08/88	10:18	13.3	7.1		420	30	24	<0.001		189	46	18	1.	177	12	3.2	0.1	317	
8263	KINGISPP01	04/18/88	7:33	60.0	14.6	7.1	390	20	20	<0.001		164	41	15	1.4	170	9	7.7	0.1	266	
8348	KINGISPP01	05/09/88	7:52	18.8	7.5	4.7	403	22	19	<0.001		173	43	16	0.9	180	6	1.2	0.1	270	
8484	KINGISPP01	07/18/88	7:09	20.5	7.4	3.1	439	32	27			168	36	19	5.1	194	13	0.8	0.1	276	
9138	KINGISPP01	02/06/89	9:15	5.9	8.6	8.2	456	27	22			184	44	18	1.2	175	14	18.	<0.1	299	
9275	KINGISPP01	04/17/89	7:58	17.5	7.1	3.4	692	55	111			223	48	25	2.5	143	33	13.	0.1	413	
9445	KINGISPP01	06/26/89	7:40	17.1	7.3	2.6	392	21	18			164	41	15	1.	179	6	1.6	<0.1	260	
8028	KINGISPP02	01/12/88	10:00	8.7	7.0	6.2	508	40	35	<0.001		176	41	18	2.3	176	29	5.2	0.1	346	
8163	KINGISPP02	03/08/88	10:59	13.9	7.2		572	43	42	<0.001		216	52	21	1.6	172	45	18.	0.2	416	
8264	KINGISPP02	04/18/88	8:18	14.0	7.1	3.5	506	36	37	<0.001		190	48	17	1.8	188	22	6.2	0.1		
8349	KINGISPP02	05/09/88	8:29	20.6	7.9	5.8	496	37	38	<0.001		185	46	17	1.	193	9	1.5	0.2	330	
8485	KINGISPP02	07/18/88	7:57	23.0	7.1	2.3	652	60	55			205	54	17	2.8	196	64	3.6	0.2	450	
9014	KINGISPP02	01/03/89	9:30	8.3	7.5	7.2	606	49	46			216	50	22	3.	205	38	13.	0.2	404	
9139	KINGISPP02	02/06/89	9:50	2.0	8.0	7.5	544	42	38			187	42	20	3.9	187	27	9.9	0.1	341	
9276	KINGISPP02	04/17/89	8:18	17.6	7.5	3.1	538	42	34			206	53	18	1.4	217	21	2.6	0.1	348	
9446	KINGISPP02	06/26/89	8:08	16.7	7.1	2.7	477	37	30			174	45	15	1.1	205	7	0.7	<0.1	314	
8029	KINGISPP03	01/12/88	9:40	9.2	7.3	6.8	1140	94	193	<0.001		410	82	50	1.6	258	52	2.4	0.1	706	
8164	KINGISPP03	03/08/88	10:39	15.1	7.3		848	66	148	<0.001		276	58	32	1.5	168	33	4.6	0.1	571	
8265	KINGISPP03	04/18/88	7:51		7.3	5.2	900	72	163	<0.001		302	60	37	1.7	191	27	2.7	0.1	531	
8350	KINGISPP03	05/09/88	8:13	21.0	7.9	6.8	960	81	154	<0.001		329	69	38	1.3	252	22	0.8	0.1	590	
9015	KINGISPP03	01/03/89	9:10	8.2	7.2	7.3	1210	95	248			399	84	46	3.	162	61	24.	0.2	777	
9140	KINGISPP03	02/06/89	9:30	2.0	8.6	12.9	1670	136	353			542	110	65	1.6	257	53	9.	0.1	959	
9277	KINGISPP03	04/17/89	7:39	17.1	7.4	2.5	397	21	17			172	44	15	0.9	184	8	1.	<0.1	269	
9301	KINGISPP03	04/17/89	9:58	17.5	7.4	3.5	397	21	16			172	44	15	0.9	182	6	1.2	0.1	265	
9447	KINGISPP03	06/26/89	7:53	18.7	7.0	4.4	470	35	58			153	33	17	2.	104	29	13.	0.1	286	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L----->									
9572	LATHAM	07/25/89	7:05	23.8			180	26	14				14	7		55	15			120	
8073	LCONNECT	01/21/88	8:42	8.8	7.2	10.4	262	21	29												
8131	LCONNECT	02/23/88	8:20	11.5	7.3	10.1	240	15	16												
8222	LCONNECT	03/24/88	8:45	15.3	7.4	9.6	225	14	16												
8321	LCONNECT	04/28/88	9:05	16.6	7.7	8.8	174	10	10												
8398	LCONNECT	05/26/88	7:50	20.5	8.0	9.6	226	18	18												
8430	LCONNECT	06/22/88	6:08	21.9	7.4	7.4	261	21	22												
8465	LCONNECT	07/14/88	9:15				174	12	10												
8587	LCONNECT	08/16/88	8:30	22.0	7.5	7.4	184	13	10												
8699	LCONNECT	09/22/88	6:09	18.7	7.6	8.0	275	22	23												
8728	LCONNECT	10/20/88	8:10	19.4	7.1	7.7	386	38	60												
8750	LCONNECT	11/10/88	8:15	16.1	6.8	8.4	206	14	13												
9097	LCONNECT	01/31/89	8:45	9.9	7.0	10.6	255	18	17												
9187	LCONNECT	02/28/89	8:20	13.0	6.8	9.8	228	16	16												
9240	LCONNECT	03/28/89	8:40	14.8	7.4	8.1	148	8	9												
9337	LCONNECT	04/25/89	8:02	16.8	8.1	8.5	163	10	10												
9367	LCONNECT	05/23/89	8:07	18.7	8.1	8.7	165	11	10												
9487	LCONNECT	06/21/89	7:50	21.5	7.5	8.1	204	14	14												
9561	LCONNECT	07/18/89	8:15	23.9	7.1	7.4	176	11	12												
9599	LCONNECT	07/25/89	9:16	25.1	7.4	7.9	130	10	4				9	9		50	9			49	
9650	LCONNECT	10/17/89	12:21	20.6		8.3	162	11	9												
9669	LCONNECT	11/07/89	14:20	14.3	7.5	8.9	162	10	10												
9691	LCONNECT	12/05/89	13:25	13.3	7.6		195	14	14												
8003	LINDSEY	01/06/88	12:34	11.2	7.3	10.0	723	72	89												
8110	LINDSEY	02/18/88	12:30	11.7	7.3	9.7	551	58	58												
8208	LINDSEY	03/17/88	8:39	14.1	7.5	10.1	547	56	53												
8245	LINDSEY	04/14/88	9:36	18.4	7.8	8.9	593	58	56												
8389	LINDSEY	05/19/88	10:27	20.2	7.8	4.6	605	58	58												
8412	LINDSEY	06/07/88	7:30	17.7	7.6	4.3	525	49	46												
8451	LINDSEY	07/06/88	8:04	21.2	7.6	7.6	325	29	23												
8573	LINDSEY	08/02/88	12:48	21.7	8.1	8.3	287	26	21												
8693	LINDSEY	09/15/88	7:55	18.7	7.5	8.6	259	20	15												
8693	LINDSEY	09/15/88	7:55	18.7	7.5	8.6	259	20	15												
8722	LINDSEY	10/13/88	8:35	17.0	8.0	9.1	16	20	21												
8760	LINDSEY	11/17/88	9:16	12.8	7.8	9.5	258	19	18												
8806	LINDSEY	12/06/88	9:15	10.2	7.2	11.0	249	20	18												
9074	LINDSEY	01/17/89	9:30	7.8	7.5	11.8	331	28	27												
9154	LINDSEY	02/14/89	8:45	8.0	6.9	12.3	370	33	31												
9229	LINDSEY	03/14/89	9:00	14.2	8.0	9.3	480	46	51												
9258	LINDSEY	04/11/89	7:25	18.7	7.5	8.0	453	44	38												
9354	LINDSEY	05/09/89	8:20	19.4	7.8	8.2	406	37	30												
9481	LINDSEY	06/13/89	8:10	18.7	7.5	8.9	315	27	23												
9555	LINDSEY	07/11/89	8:25	21.0	7.2	8.6	263	21	18												
9608	LINDSEY	08/16/89	9:05	22.2	7.8	9.5	219	17	13												
9624	LINDSEY	09/13/89	8:20	19.4	7.6	9.0	234	18	12												
9644	LINDSEY	10/12/89	9:36	19.2	7.2		332	28	28												
9673	LINDSEY	11/14/89	13:05	14.1	7.9	9.2	265	20	19												
9695	LINDSEY	12/12/89	11:05	10.0	7.3	11.3	268	21	19												
8554	LPOTATOWHITE	07/19/88	11:10	25.5	7.4	7.0	159	11	9											100	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----									
8612	LPOTATOWHITE	08/10/88	8:33	21.9	7.8		167	11	8												
8627	LPOTATOWHITE	08/17/88	8:40	22.2	7.7		189	13	10												
8654	LPOTATOWHITE	08/24/88	8:25	21.8	8.1		192	13	10												
8670	LPOTATOWHITE	08/31/88	8:30				222	16	10												
8777	LPOTATOWHITE	11/30/88	11:48	10.6	8.2	8.5	177	11	11			63	12	8	1.8	56	12	3.9	<0.1	108	
8791	LPOTATOWHITE	12/07/88	9:55	10.0	8.3	9.6	203	13	11			74	15	9	2.	78	14	3.6	<0.1	124	
8821	LPOTATOWHITE	12/20/88	9:55	8.6	8.0	10.3	209	14	11			74	15	9	1.8	71	14	2.4	<0.1	129	
8848	LPOTATOWHITE	12/28/88	8:50	6.5	7.6	11.4	194	14	12			72	14	9	2.	66	12	2.8	<0.1	120	
9062	LPOTATOWHITE	01/11/89	9:25	6.7	8.0		236	17	15			81	16	10	1.8	75	19	3.2	0.1	148	
9082	LPOTATOWHITE	01/18/89	9:15	7.3	7.9	11.4	221	15	13			78	15	10	1.7	72	17	2.7	0.1	138	
9107	LPOTATOWHITE	01/26/89	8:07	7.2	7.9	11.4	249	18	16			88	17	11	1.8	82	20	2.6	<0.1	154	
9120	LPOTATOWHITE	02/02/89	9:45	8.5	7.7	10.2	246	17	16			81	16	10	1.7	77	18	2.7	<0.1	152	
9377	LPOTATOWHITE	06/01/89	8:50	19.4	7.8	11.2	163	11	9			54	12	6	1.3	56	10	1.7	<0.1	103	
9403	LPOTATOWHITE	06/15/89	7:24	21.3	7.7	8.5	173	12	8			59	12	7	1.3	61	11	1.8	<0.1	108	
9416	LPOTATOWHITE	06/19/89	8:02	21.7	8.1	8.4	189	13	12			64	14	7	1.4	62	11	2.1	<0.1	114	
9497	LPOTATOWHITE	07/06/89	10:00	23.3	7.8	8.7	147	10	7			52	11	6	1.2	51	9	1.7	<0.1	92	
9510	LPOTATOWHITE	07/13/89	7:53	22.5	7.9	8.8	162	11	9			50	12	5	1.3	56	9	2.	<0.1	100	
9523	LPOTATOWHITE	07/20/89	7:02	22.9	7.0	8.6	147	9	8			52	11	6	1.2	50	8	1.6	<0.1	90	
9536	LPOTATOWHITE	07/27/89	6:50	21.5	8.2	8.7	136	8	8			46	10	5	1.	48	7	0.9	<0.1	83	
8553	LPOTTERM	07/19/88	10:25	25.0	7.5	7.2	158	10	9											119	
8611	LPOTTERM	08/10/88	8:14	22.0	7.7		169	11	8												
8626	LPOTTERM	08/17/88	8:19	21.8			175	12	7												
8653	LPOTTERM	08/24/88	8:10	21.2	7.7		198	14	11												
8669	LPOTTERM	08/31/88	8:15				210	15	9												
8776	LPOTTERM	11/30/88	10:18	10.0	8.1	8.8	173	11	10			63	12	8	1.8	54	12	4.1	<0.1	104	
8790	LPOTTERM	12/07/88	8:30	10.0	7.5		221	15	15			74	15	9	2.1	68	15	3.7	<0.1	134	
8818	LPOTTERM	12/20/88	9:00	8.7	7.4	10.7	216	15	12			74	15	9	1.9	72	14	3.1	<0.1	131	
8845	LPOTTERM	12/28/88	8:20	6.7	7.6	11.8	196	13	10			68	14	8	1.9	68	13	3.2	<0.1	119	
9059	LPOTTERM	01/11/89	8:40	6.6	7.6		217	15	12			78	15	10	1.8	79	16	3.2	0.1	136	
9079	LPOTTERM	01/18/89	8:41	6.9	8.3	11.5	212	15	11			78	15	10	1.8	70	16	2.5	0.1	134	
9104	LPOTTERM	01/26/89	10:01	8.6	6.6	11.0	234	15	12			81	16	10	1.5	81	18	2.8	<0.1	148	
9117	LPOTTERM	02/02/89	8:50	8.3	7.3	10.3	249	17	16			84	17	10	1.7	76	18	2.7	<0.1	151	
9374	LPOTTERM	06/01/89	7:50	19.8	8.1	8.1	169	12	9			54	12	6	1.5	57	10	1.8	<0.1	106	
9387	LPOTTERM	06/08/89	7:30	19.8	8.3	10.0	161	11	7			54	12	6	1.5	57	9	2.2	<0.1	100	
9400	LPOTTERM	06/15/89	8:15	21.6	7.6	8.4	181	13	11			62	13	7	1.4	61	11	1.6	<0.1	112	
9413	LPOTTERM	06/19/89	8:35	21.1	8.0	8.3	181	13	10			62	13	7	1.4	62	11	2.7	<0.1	114	
9494	LPOTTERM	07/06/89	7:30	20.5	8.2	8.9	143	10	6			52	11	6	1.2	52	8	1.6	<0.1	92	
9507	LPOTTERM	07/13/89	8:18	23.2	7.9	8.9	170	11	11			59	12	7	1.3	57	9	1.1	<0.1	104	
9520	LPOTTERM	07/20/89	6:45	22.5	7.3	8.6	133	8	5			46	10	5	1.1	49	7	1.8	<0.1	84	
9597	LPOTTERM	07/25/89	8:24	22.3	7.8	9.2	120	9	4				9	5		47	8			75	
9533	LPOTTERM	07/27/89	6:25	21.6	8.3	8.7	132	8	7			46	10	5	1.	47	6	2.	<0.1	82	
8005	MALLARDIS	01/06/88	10:00	7.8	8.0	11.4	7070	1200	2180			654	11	152	46.	77	324	3.	0.6	3960	18596.
8112	MALLARDIS	02/18/88	9:45	12.0	8.0	11.5	5400	944	1630			663	51	130	35.	85	227	3.1	0.5	3340	2555.
8210	MALLARDIS	03/17/88	11:09	15.0	7.8	9.0	7760	1320	2360			907	68	179	49.	105	340	<0.1	0.7	4560	5408.
8246	MALLARDIS	04/14/88	11:16	17.5	7.8	8.7	3590	566	1030			433	35	84	24.	76	157	2.	0.4	2020	10105.
8391	MALLARDIS	05/19/88	8:38	18.4	7.8	8.4	9110	1620	2870			1110	78	222	62.	78	396	1.3	0.8	5550	3505.
8413	MALLARDIS	06/07/88	9:26	8.3	8.4	7.9	9540	1660	3040			1140	82	228	64.	79	432	2.	0.8	5790	3177.
8453	MALLARDIS	07/06/88	10:00	23.4	7.9	7.5	11500	2080	3720			1430	94	291	79.	94	513	2.5	1.	7190	2504.
8575	MALLARDIS	08/02/88	10:30				12400	2300	4100			1520	113	301	70.	78	575	2.6	1.1	7650	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----								----->	
8696	MALLARDIS	09/15/88	9:55	19.9	7.6	8.3	11000	1960	3620			1320	93	264	76.	81	512	2.1	1.	7020	
8725	MALLARDIS	10/13/88	10:40	18.2	7.8	8.4	9930	1730	3120			1170	81	234	66.	96	434	2.5	0.8	5960	
8763	MALLARDIS	11/17/88	11:20	15.0	7.9	9.2	15000	2700	4930			1770	118	358	102.	86	670	2.9	1.4	9290	
8809	MALLARDIS	12/06/88	11:15	12.9	7.4	10.4	16400	2890	5490			2030	134	411	116.	85	767	2.8	1.4	10100	
9077	MALLARDIS	01/17/89	11:20	10.5	7.3	11.6	12500	2220	4060			1500	98	306	4.3	84	575	2.9	1.1	7630	
9157	MALLARDIS	02/14/89	10:30	10.2	6.3	11.6	15000	2520	4920			1620	105	331	98.	88	395	3.8	1.2	9360	
9232	MALLARDIS	03/14/89	11:04	14.8	7.8	9.5	764	107	173			108	15	17	5.1	56	33	2.7	<0.1	421	
9261	MALLARDIS	04/11/89	9:10	19.3	7.4	8.6	1180	178	301			152	18	26	7.6	57	52	2.1	0.1	804	
9357	MALLARDIS	05/09/89	10:20	19.4	7.4	8.4	5950	990	1770			674	49	134	29.	68	263	1.7	0.5	3320	
9484	MALLARDIS	06/13/89	10:00	20.1	7.1	9.1	2650	416	738			290	27	54	16.	62	112	1.5	0.2	1400	
9558	MALLARDIS	07/11/89	10:30	22.3	7.5	9.1	7930	1280	2390			830	62	164	52.	69	331	1.8	0.7	4490	
9610	MALLARDIS	08/16/89	10:47	23.1	7.5	9.7	2580	403	687			281	25	53	16.	58	103	1.4	0.2	1370	
9627	MALLARDIS	09/13/89	10:15	21.0	7.2	9.4	4960	813	1450			552	46	106	23.	68	207	1.6	0.4	2680	
9647	MALLARDIS	10/12/89	8:12	19.0	7.2	8.6	7890	1360	2421			849	63	168	50.	77	334	2.3	0.6	4440	
9676	MALLARDIS	11/14/89	10:15	15.6	7.8	8.7	13800	2380	4450			1460	102	294	93.	78	612	1.5	1.1	8090	
9698	MALLARDIS	12/12/89	14:05	12.4	7.6	10.2	14200	2540	4550			1600	110	321	99.	77	754	1.5	1.2	8350	
8335	MAZE	05/03/88	7:38	15.7	7.8	8.3	1480	183	220	0.004		352	75	40	4.9	165	229	15.	1.	927	1010.
8426	MAZE	06/14/88	7:20	23.0	7.8	6.9	1350	168	191	0.004		333	69	39	4.4	167	226	9.9	1.1	890	827.
8461	MAZE	07/12/88	7:19	23.5	7.9	7.1	1530	190	231	0.006		372	78	43	4.7	176	255	18.	1.2	949	643.
8583	MAZE	08/09/88	9:00				1360	167	207	0.004		317	66	37	4.9	159	190	13.	1.	841	
8686	MAZE	09/06/88	7:20	24.6	7.8	6.1	1480	187	210	0.004		342	71	40	5.1	181	232	11.	1.1	892	
8712	MAZE	10/04/88	7:34	18.5	8.0	8.8	1530	194	242	0.004		300	69	31	4.8	204	197	8.8	0.8	905	
8739	MAZE	10/18/88	8:55	19.9	7.4	8.1	1360	166	218	0.002		309	61	38	4.4	182	171	7.5	0.7	784	
8742	MAZE	11/01/88	8:54	15.8	7.5	8.3	1290	155	200	0.003		291	59	35	4.6	164	176	9.6	0.8	759	
8769	MAZE	11/15/88	9:45	14.5	7.4	8.3	1330	160	198	0.002		329	71	37	4.8	165	187	11.	0.8	805	
8774	MAZE	11/29/88	9:54	11.9	7.5	8.1	1280	159	190	0.003		255	51	31	5.8	147	192	17.	0.8	783	
8812	MAZE	12/13/88	8:57	10.4	7.4	9.3	1280	156	195	0.003		299	59	37	5.4	158	180	13.	0.8	773	
8844	MAZE	12/27/88	9:30	6.5	6.5	10.0	1370	180	202	0.003		302	60	37	6.	153	214	17.	1.	817	
9053	MAZE	01/10/89	8:30	10.4	7.3	8.4	1340	170	192	0.004		282	52	37	8.	156	208		0.8	797	
9095	MAZE	01/24/89	10:10	9.4	7.5	8.9	1450	177	208	0.004		319	62	40	6.2	154	248	22.	1.	913	
9149	MAZE	02/02/89	6:30	8.9	7.3		1550	225		0.006											
9131	MAZE	02/07/89	8:15	5.6	7.2	10.6	1520	188	212	0.007		343	68	42	6.	154	248	22.	1.2	936	
9168	MAZE	02/09/89	6:30	6.9	7.0	10.4	1440	178	200	0.006											
9180	MAZE	02/14/89	6:20	8.2	7.1		1480	187	203	0.006											
9185	MAZE	02/16/89	6:35	10.8	7.0	8.5	1440	182	202	0.005											
9163	MAZE	02/21/89	9:42	14.7	7.7	7.8	1700	205	244	0.008		382	82	43	5.7	160	318	24.	1.3	1060	
9203	MAZE	03/02/89	9:30	13.2	7.7	8.0	1690	217	242	0.009		378	82	42	5.8	158	304	25.	1.4	1070	
9212	MAZE	03/07/89	8:00	14.9	7.4	7.7	1100	138	145	0.006		246	54	27	2.9	123	182	19.	0.8	680	
9235	MAZE	03/21/89	9:45	16.9	7.3	6.9	1600	201	224	0.009		362	79	40	5.	160	286	19.	1.2	1020	
9247	MAZE	04/04/89	7:36	16.4	8.0	6.9	1400	174	199	0.005		318	68	36	4.9	151	233	20.	1.	874	
9335	MAZE	04/18/89	5:30	19.3	7.8		1170	149	159	0.006		276	61	30	4.2	128	204	16.	0.9	733	
9345	MAZE	05/02/89	7:40	19.2	7.4	6.8	915	111	118	0.003		208	42	25	3.5	113	146	12.	0.7	553	
9363	MAZE	05/16/89	8:42	21.3	7.8	7.8	1330	161	188	0.005		314	68	35	4.6	159	214	14.	0.9	815	
9427	MAZE	06/06/89	7:25	21.3	7.9	7.1	1280	160	181	0.005		312	69	34	4.3	149	203	16.	0.9	789	
9547	MAZE	07/05/89	9:10	23.5	7.7	7.5	1210	141	169	0.004		293	63	33	4.4	152	193	15.	0.9	747	
9602	MAZE	08/03/89	7:40	21.8	7.7	8.3	1130	134	159	0.003		266	57	30	4.6	148	167	10.	0.8	687	
9616	MAZE	09/06/89	7:36	21.8	7.6	7.8	1320	160	191	0.004		309	66	35	4.8	172	199	7.8	0.9	796	
9636	MAZE	10/02/89	9:49	20.1	6.8	9.0	1120	138	155	0.004		252	53	29	4.8	146	168	10.	0.8	673	
9662	MAZE	11/07/89	8:10	13.5	7.4	8.5	1040	130	149	0.002		236	50	27	3.8	138	146	8.7	0.6	607	

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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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----								---->	
9684	MAZE	12/05/89	7:55	9.6	8.4		1120	140	160	0.002		242	51	28	4.2	138	166	12.	0.8	690	
9220	MC01	03/10/89	8:50	15.6	6.6	9.0	65	3	2												
9221	MC02	03/10/89	9:40	16.0	6.8	8.6	79	4	2												
9222	MC03	03/10/89	10:00	16.7	6.8	8.6	83	4	3												
9223	MC04	03/10/89	10:50	17.2	6.8	8.5	91	4	3												
8165	MCCORWIL01	03/08/88	10:28	12.5	7.3		386	22	15	<0.001		157	30	20	1.1	140	32	6.2	0.1	238	
8266	MCCORWIL01	04/18/88	11:23	17.5	6.9	6.1	333	20	16	<0.001		131	26	16	1.7	96	41	7.7		217	
8375	MCCORWIL01	05/09/88	10:02				250	14	12	<0.001		100	20	12	1.7	95	14	0.4	0.1	162	
8351	MCCORWIL01	05/09/88	10:27	22.2	7.1	4.8	250	15	11	<0.001		100	20	12	1.5	95	14	3.6	0.1	161	
8487	MCCORWIL01	07/18/88	10:48	25.5	7.0	4.9	166	11	7			59	12	7	1.5	63	8	0.7	<0.1	106	
9016	MCCORWIL01	01/03/89	12:35	7.6	7.6	10.6	311	15	11			138	27	17	1.2	131	16	1.6	<0.1	197	
9278	MCCORWIL01	04/17/89	10:21	19.8	7.6	6.5	120	6	3			43	9	5	1.3	49	7	3.4	<0.1	84	
9448	MCCORWIL01	06/26/89	9:52	19.9	7.6	6.0	151	10	7			52	11	6	1.3	52	9	2.	<0.1	97	
8166	MCCORWIL02	03/08/88	10:44	9.5	7.3		458	21	19	<0.001		210	38	28	1.5	192	24	1.6	0.1	282	
8267	MCCORWIL02	04/18/88	11:54	17.5	6.9	6.6	153	8	7	<0.001		60	11	8	1.6	49	12	5.6		103	
8352	MCCORWIL02	05/09/88	10:52	21.7	7.4	6.2	204	13	12	<0.001		74	15	9	1.8	70	12	3.9	0.1	128	
9017	MCCORWIL02	01/03/89	13:05	7.5	7.6	12.1	391	16	12			182	35	23	1.7	178	17	0.3	0.1	239	
9279	MCCORWIL02	04/17/89	9:59	18.8	7.5	6.6	268	15	12			104	20	13	1.6	103	16	3.1	<0.1	172	
9449	MCCORWIL02	06/26/89	9:33	20.0	7.5	7.2	204	12	10			68	14	8	1.3	54	13	18.	<0.1	133	
8072	MIDDLER	01/21/88	7:39	7.8	7.2	10.8	445	42	64												
8130	MIDDLER	02/23/88	7:15	12.0	7.2	10.8	321	25	32												
8221	MIDDLER	03/24/88	7:30	17.9	7.2	9.4	472	48	72												
8320	MIDDLER	04/28/88	7:35	17.5	7.7	8.7	324	30	38												
8397	MIDDLER	05/26/88	9:30	19.5	8.2	8.6	340	33	44												
8429	MIDDLER	06/22/88	7:34	23.0	7.0	6.8	396	41	54												
8464	MIDDLER	07/14/88	10:00				383	42	62												
8603	MIDDLER	08/10/88	8:10				387	44	70												
8602	MIDDLER	08/10/88	8:23				407	47	74												
8586	MIDDLER	08/16/88	9:40	22.9	7.4	7.5	401	47	72												
8628	MIDDLER	08/17/88	9:34	23.4	7.7		398	45	72												
8620	MIDDLER	08/17/88	9:46	23.4	7.6		401	46	72												
8650	MIDDLER	08/24/88	9:25	22.8	7.8		373	41	63												
8649	MIDDLER	08/24/88	9:35	22.8	7.8		373	41	61												
8666	MIDDLER	08/31/88	9:25				467	56	89												
8665	MIDDLER	08/31/88	9:35				467	56	89												
8698	MIDDLER	09/22/88	7:32	20.3	7.3	7.6	442	50	71												
8727	MIDDLER	10/20/88	8:55	19.8	7.3	8.0	501	54	81												
8749	MIDDLER	11/10/88	9:05	16.7	8.0	8.5	660	78	120												
8780	MIDDLER	11/30/88	12:10	11.8	7.9	9.9	596	64	101			128	23	17	3.6	77	48	5.1	0.2	331	
8794	MIDDLER	12/07/88	11:00	10.6	8.2	9.4	529	58	90			119	21	16	3.5	72	39	5.2	0.2	295	
8823	MIDDLER	12/20/88	10:55	8.5	7.9	10.0	603	68	111			129	22	18	4.	69	45	6.2	0.2	334	
8832	MIDDLER	12/20/88	10:20	10.7	7.3	10.7	608	71	115												
8850	MIDDLER	12/28/88	9:59	7.0	7.7	11.4	564	63	94			128	23	17	3.8	71	48	7.1	0.2	314	
9064	MIDDLER	01/11/89	10:15	6.2	8.0		469	49	71			117	22	15	3.3	73	42	5.9	0.1	275	
9084	MIDDLER	01/18/89	10:15	6.9	7.2	10.6	414	40	56			110	21	14	2.9	75	36	5.	0.1	244	
9109	MIDDLER	01/26/89	9:40	7.5		11.2	434	42	65			108	20	14	2.7	75	34	4.2	0.1	255	
9096	MIDDLER	01/31/89	9:45	9.6	7.0	10.9	428	45	64												
9122	MIDDLER	02/02/89	10:45	8.1	7.6	10.3	449	47	68			112	20	15	2.9	79	26	3.6	0.1	265	
9186	MIDDLER	02/28/89	9:20	13.1	6.8	10.4	438	46	67												

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L----->									
9239	MIDDLER	03/28/89	7:49	15.5	7.0	7.7	271	23	32												
9336	MIDDLER	04/25/89	7:12	16.7	8.4	8.5	200	15	16												
9366	MIDDLER	05/23/89	7:03	19.4	8.3	8.0	259	22	27												
9379	MIDDLER	06/01/89	9:50	20.5	8.0	11.2	255	23	27			70	15	8	1.9	59	20	2.2	<0.1	145	
9392	MIDDLER	06/08/89	9:15	21.3	7.8	9.5	240	21	25			68	14	8	1.9	58	18	1.9	<0.1	133	
9405	MIDDLER	06/15/89	7:15	24.3	7.5	7.1	271	24	30			70	15	8	2.	62	21	1.5	<0.1	154	
9418	MIDDLER	06/19/89	8:11	22.4	7.5	7.1	255	23	27			70	15	8	1.9	60	19	2.7	<0.1	142	
9486	MIDDLER	06/21/89	8:45	22.7	7.4	7.3	257	23	27												
9499	MIDDLER	07/06/89	6:30	23.6	7.6	7.2	248	22	26			68	14	8	1.8	61	18	2.1	<0.1	145	
9512	MIDDLER	07/13/89	9:10	24.2	8.0	8.0	229	20	24			66	13	8	1.8	58	15	1.9	<0.1	132	
9560	MIDDLER	07/18/89	9:15	26.6	7.2	7.8	244	21	27												
9525	MIDDLER	07/20/89	9:17	24.8	6.5	7.9	248	23	29			68	14	8	1.9	58	15	1.8	<0.1	144	
9588	MIDDLER	07/25/89	9:50	25.7	7.8	8.2	200	25	29				16	3		57	18			130	
9538	MIDDLER	07/27/89	9:05	24.2	7.4	8.1	229	19	26			59	12	7	1.6	56	14	1.5	<0.1	136	
9629	MIDDLER	09/20/89	6:45	19.5	8.5	9.3	347	36	48												
9649	MIDDLER	10/17/89	10:40	19.7	7.0	8.1	436	46	60												
9668	MIDDLER	11/07/89	12:00	15.9	7.8	9.0	423	44	60												
9690	MIDDLER	12/05/89	11:36	13.3	7.6		442	48	70												
9583	MIDMOWRY	07/25/89	7:45	23.7	7.2	8.2	800	120	140				63	23		110	100			520	
8793	MIDWOODWARD	12/07/88	10:45	10.5	8.0	9.2	511	56	86			116	20	16	3.4	70	38	5.4	0.2	286	
8822	MIDWOODWARD	12/20/88	10:40	8.5	7.8	9.9	611	69	114			127	21	18	4.1	69	42	5.7	0.1	338	
8849	MIDWOODWARD	12/28/88	9:02	6.5	7.5	11.1	586	62	94			139	26	18	4.	69	58	10.	0.2	332	
9063	MIDWOODWARD	01/11/89	10:00	6.2	8.2		464	49	71			114	21	15	3.2	76	40	5.3	0.1	271	
9083	MIDWOODWARD	01/18/89	9:45	6.8	6.8	11.2	398	39	53			108	20	14	2.8	76	34	5.	0.1	242	
9108	MIDWOODWARD	01/26/89	9:17	7.3		10.9	432	44	63			114	21	15	2.8	78	36	4.	0.1	254	
9121	MIDWOODWARD	02/02/89	10:35	8.1	7.5	10.2	470	50	76			112	20	15	3.1	79	29	3.5	0.1	275	
9378	MIDWOODWARD	06/01/89	9:30	20.3	8.0	9.7	244	22	25			68	14	8	1.9	58	18	1.9	<0.1	138	
9391	MIDWOODWARD	06/08/89	9:00	21.2	7.8	9.6	238	21	25			68	14	8	1.8	58	18	1.9	<0.1	133	
9404	MIDWOODWARD	06/15/89	9:00	23.5	7.7	7.4	264	24	29			70	15	8	2.	62	21	1.4	<0.1	148	
9417	MIDWOODWARD	06/19/89	7:32	23.0	7.6	7.0	258	23	27			70	15	8	1.9	62	20	1.6	<0.1	146	
9498	MIDWOODWARD	07/06/89	6:00	23.4	6.9	7.3	251	22	26			70	15	8	1.8	61	18	2.2	<0.1	145	
9511	MIDWOODWARD	07/13/89	10:04	24.5	7.6	7.9	228	20	24			66	13	8	1.7	58	14	1.8	<0.1	135	
9524	MIDWOODWARD	07/20/89	10:00	25.2	6.1	7.8	244	22	28			68	14	8	1.9	58	15	2.1	<0.1	143	
9537	MIDWOODWARD	07/27/89	9:43	24.3	7.7	8.0	230		26							56	14	1.5	<0.1	135	
8122	MITCHELL	02/24/88	17:53	17.5	7.0		606	88	43												
8551	MOKGEORGIANA	07/19/88	9:50	24.0	7.6	7.5	151	10	6											107	
8610	MOKGEORGIANA	08/10/88	7:56	21.8	7.6		164	11	7												
8625	MOKGEORGIANA	08/17/88	7:53	21.8			175	12	7												
8652	MOKGEORGIANA	08/24/88	7:52	21.8	7.9		187	13	7												
8668	MOKGEORGIANA	08/31/88	8:00				208	15	9												
8775	MOKGEORGIANA	11/30/88	9:47	9.9	8.4	8.9	175	12	8			66	13	8	2.	52	13	6.8	<0.1	110	
8789	MOKGEORGIANA	12/07/88	9:00	10.2	8.0	10.3	196	13	10			72	14	9	1.9	67	13	3.8	<0.1	120	
8819	MOKGEORGIANA	12/20/88	9:20	8.5	7.9	11.0	179	12	7			66	13	8	1.7	67	10	2.8	<0.1	112	
9060	MOKGEORGIANA	01/11/89	8:55	6.4	8.1		200	14	10			72	14	9	1.6	69	16	3.	0.1	129	
9080	MOKGEORGIANA	01/18/89	10:43	7.9	6.9	11.4	201	13	9			72	14	9	1.5	68	16	2.3	0.1	128	
9105	MOKGEORGIANA	01/26/89	7:50	7.3	7.4	11.2	261	19	15			90	18	11	1.8	85	22	2.9	<0.1	160	
9118	MOKGEORGIANA	02/02/89	9:50	8.4	7.6	10.4	213	13	10			74	15	9	1.6	71	13	3.	<0.1	127	
9375	MOKGEORGIANA	06/01/89	8:10	19.6	7.8	8.7	157	10	7			54	12	6	1.4	56	10	2.1	<0.1	102	
9388	MOKGEORGIANA	06/08/89	7:55	20.4	7.9	9.3	152	10	7			52	11	6	1.4	55	9	1.9	<0.1	96	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----								---->	
9401	MOKGEORGIANA	06/15/89	6:45	21.5	8.5	8.2	164	11	7			59	12	7	1.3	60	10	1.6	<0.1	102	
9414	MOKGEORGIANA	06/19/89	6:39	20.6	7.9	8.5	155	11	7			54	12	6	1.7	55	10	2.1	<0.1	101	
9495	MOKGEORGIANA	07/06/89	7:15	21.2	7.8	9.2	145	10	6			52	11	6	13.	53	9	1.4	<0.1	90	
9508	MOKGEORGIANA	07/13/89	6:33	21.5	7.9	8.7	144	9	5			52	11	6	1.2	53	9	1.2	<0.1	91	
9521	MOKGEORGIANA	07/20/89	8:20	22.5	6.6	9.1	127	8	5			46	10	5	1.1	48	6	1.2	<0.1	80	
9596	MOKGEORGIANA	07/25/89	8:00	21.4	7.7	9.1	120	8	3				9	5		49	8			59	
9534	MOKGEORGIANA	07/27/89	8:09	21.3	7.3	9.2	120	7	4			43	9	5	1.1	46	7	0.9	<0.1	76	
8355	MOSSDALE01	05/09/88	8:32	16.4	7.1	2.8	680	60	82	<0.001		208	57	16	0.8	155	62	2.9	0.2	418	
8492	MOSSDALE01	07/18/88	7:02	24.0	7.6	8.1	1000	115	146			228	52	24	5.9	84	124	74.	0.4	618	
9021	MOSSDALE01	01/03/89	8:33	7.8	7.4	7.5	761	68	110			250	64	22	0.9	170	55	0.5	0.2	469	
9280	MOSSDALE01	04/17/89	7:38	16.1	7.4	7.6	858	92	137			205	51	19	6.9	100	89	22.	0.3	510	
9450	MOSSDALE01	06/26/89	7:39	21.3	8.1	6.8	1780	158	431			469	117	43	7.6	130	90	1.	0.5	1090	
8036	MOSSDALE02	01/12/88	9:30	10.7	7.3	5.0	667	59	91	<0.001		204	49	20	1.5	130	80	8.7	0.2	410	
8173	MOSSDALE02	03/08/88	9:30	14.7	7.5	5.0	699	59	100	0.001		217	54	20	1.6	144	62	8.2	0.3	446	
8271	MOSSDALE02	04/18/88	9:29	14.9	7.3	4.2	1770	144	421	<0.001		586	144	55	6.7	194	86	13.	0.3	1100	
8356	MOSSDALE02	05/09/88	8:46	18.3	8.5	9.0	923	90	137	<0.001		276	61	30	0.8	174	96	3.4	0.2	560	
9022	MOSSDALE02	01/03/89	8:46	11.3	7.3	4.1	805	70	112			270	67	25	1.2	166	82	0.5	0.3	521	
9281	MOSSDALE02	04/17/89	7:52	17.1	7.5	7.1	936	107	150			207	50	20	4.1	98	105	27.	0.4	559	
9451	MOSSDALE02	06/26/89	7:58	22.4	7.6	4.6	936	102	137			233	57	22	3.7	122	123	8.4	0.6	559	
8038	MOSSDALE04	01/12/88	10:00	6.4	7.6	6.3	689	75	81	<0.001		183	37	22	3.3	188	56	5.3	0.2	392	
8175	MOSSDALE04	03/08/88	10:07	13.0	7.5	4.7	1080	130	152	0.002		306	60	38	4.8	220	100		0.3	641	
8273	MOSSDALE04	04/18/88	10:00	15.7	8.3	11.5	1540	189	251	0.001		391	76	49	7.4	243	188	2.8	0.5	935	
8358	MOSSDALE04	05/09/88	9:15	17.6	7.5	5.0	2070	275	299	<0.001		495	96	62	4.5	420	236	4.	0.6	1260	
8495	MOSSDALE04	07/18/88	8:00	25.0	7.7	6.9	1120	137	172			268	58	30	8.5	184	132	4.3	0.6	675	
9024	MOSSDALE04	01/03/89	9:11	6.2	7.5	4.1	594	64	57			173	38	19	3.5	164	50	5.5	0.2	357	
8275	MOSSDALE08	04/18/88	10:48	15.4	7.5	11.5	896	104	126	0.001		218	46	25	6.7	138	128	1.4	0.6	552	
8276	MOSSDALE09	04/18/88	10:37	15.6	7.3	3.9	1010	121	138	0.001		252	55	28	4.1	172	143	0.7	0.6	620	
8043	MOSSDALE10	01/12/88	8:50	9.3	7.1	2.1	1520	188	185	<0.001		359	68	46	1.1	366	171	3.8	0.4	957	
8171	MOSSDALE10	03/08/88	8:45	11.9	6.0	1.6	1360	173	170	0.001		351	68	44	4.6	363	96	4.2	0.4	837	
8277	MOSSDALE10	04/18/88	8:49	14.0	7.3	1.6	1340	170	160	<0.001		375	76	45	7.1	410	91	1.6	0.4	836	
8362	MOSSDALE10	05/09/88	7:54	16.8	7.2	2.5	900	104	116	<0.001		221	49	24	6.3	153	124	3.	0.5	550	
8499	MOSSDALE10	07/18/88	5:27	22.5	7.5	2.0	992	123	154			223	48	25	7.1	150	119	4.2	0.5	599	
9028	MOSSDALE10	01/03/89	7:46	5.6	7.1	2.8	910	101	127			262	57	29	5.6	266	24	4.3	0.4	566	
8044	MOSSDALE11	01/12/88	9:10	6.8	7.3	5.5	605	52	59	<0.001		184	44	18	1.8	182	47	4.	0.2	369	
8172	MOSSDALE11	03/08/88	9:00	11.4	7.3	2.0	653	59	61	0.001		194	45	20	1.9	194	45	7.1	0.2	397	
8278	MOSSDALE11	04/18/88	9:09	15.5	7.3	4.9	564	49	56	0.001		161	38	16	11.	140	54	9.6	0.3	356	
8363	MOSSDALE11	05/09/88	8:14	17.8	8.0	6.1	589	45	53	<0.001		195	47	19	14.	182	34	8.	0.3	368	
8500	MOSSDALE11	07/18/88	6:00	23.0	7.4	3.2	1080	97	190			317	79	29	8.9	166	55	45.	0.3	639	
9029	MOSSDALE11	01/03/89	8:15	6.2	7.2	3.2	586	50	61			198	43	22	6.8	173	34	4.4	0.2	336	
9288	MOSSDALE11	04/17/89	7:10	16.6	8.0	8.3	876	87	128			251	56	27	1.	170	78	5.	0.2	536	
9456	MOSSDALE11	06/26/89	7:23	18.5	8.2	8.7	958	109	151			235	58	22	1.8	186	68	3.9	0.3	561	
8033	MOSSTRPP02	01/12/88	8:00	8.1	7.5	10.6	670	69	86	0.003		184	41	20	5.2	131	84	3.4	0.2	396	
8168	MOSSTRPP02	03/08/88	12:40	16.9	7.4	13.1	803	84	119	0.001		189	41	21	9.8	124	79	7.4	0.3	696	
8268	MOSSTRPP02	04/18/88	11:50	19.0	8.1	9.0	917	113	140	<0.001		209	44	24	7.9	134	119		0.5	552	
8353	MOSSTRPP02	05/09/88	9:17	17.7	8.3	10.5	918	110	137	<0.001		207	45	23	6.7	132	120	3.7	0.5	543	
9019	MOSSTRPP02	01/03/89	10:24	6.4	8.0	12.5	806	86	110			214	46	24	5.8	139	96	0.8	0.4	488	
8034	MOSSTRPP03	01/12/88	8:20	8.2	7.3	8.2	779	82	113	0.001		175	37	20	17.	109	86	32.	0.3	480	
8169	MOSSTRPP03	03/08/88	13:00	17.3	7.3	17.3	951	110	154	0.001		209	44	24	14.	108	110	9.9	0.4	598	
8269	MOSSTRPP03	04/18/88	11:33	6.6	7.7	8.9	740	80	100	0.002		177	38	20	5.6	116	95	6.4	0.4	447	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L----->									
8354	MOSSTRPP03	05/09/88	8:57	16.9	8.0	8.5	512	46	54	<0.001		137	30	15	9.2	105	53	15.	0.3	309	
9020	MOSSTRPP03	01/03/89	10:10	7.2	7.9	10.8	726	80	98			187	40	21	6.	113	91	3.2	0.4	427	
9589	MRIVBACON	07/25/89	11:10	26.2	7.6	8.4	200	25	25				16	6		39	18			130	
8078	NATOMAS	01/21/88	11:35	11.7	7.3	9.5	429	34	30	0.001		142	24	20	2.7	140	31	13.	0.1	276	
8226	NATOMAS	03/24/88	10:15	19.1	8.0	7.0	867	72	81	<0.001		289	38	47	1.9	278	58	<0.1	0.3	518	
8325	NATOMAS	04/28/88	6:05	18.2	8.6	9.8	416	26	41	<0.001		156	26	22	1.6	129	23	2.8	<0.1	244	
8136	NATOMAS	05/09/88	11:05	14.6	7.9	10.8	921	65	65	<0.001		284	46	41	1.5	288	54	1.2	0.2	419	
8402	NATOMAS	05/26/88	6:29	19.9	7.8	2.0	617	65	95	<0.001		164	26	24	3.4	131	32	<0.1	0.2	356	
8434	NATOMAS	06/22/88	9:49	24.8	7.6	4.5	391	32	31	<0.001		141	25	19	2.	135	24	4.3	0.2	247	
8468	NATOMAS	07/14/88	7:30	23.0	7.6	5.5	485	38	42	<0.001		181	31	25	2.1	159	30	5.5	0.2	295	
8591	NATOMAS	08/16/88	6:33	21.1	7.7	7.4	349	28	20	<0.001		125	22	17	1.4	134	17	2.8	0.2	210	
8703	NATOMAS	09/22/88	9:42	19.4	7.3	8.0	482	40	37	<0.001		187	32	26	1.4	198	20	2.2	0.1	304	
8732	NATOMAS	10/20/88	6:15	18.3	7.8	8.8	429	33	32	<0.001		150	27	20	1.9	147	21	2.9	0.1	250	
8754	NATOMAS	11/10/88	7:00	15.2	7.3	8.1	356	27	27	<0.001		126	24	16	2.	118	19	3.7	0.1	226	
8837	NATOMAS	12/20/88	7:40	10.9	8.4	12.0	501	39	42	<0.001		183	32	25	2.	159	33	4.5	0.1	290	
9101	NATOMAS	01/31/89	7:00	10.3	7.7	10.8	777	68	68	<0.001		289	48	41	2.5	273	49	2.9	0.2	477	
9191	NATOMAS	02/28/89	7:05	13.0	7.9	9.9	824	71	72	<0.001		304	51	43	2.4	290	53	1.8	0.2	484	
9244	NATOMAS	03/28/89	10:50	16.6	7.5	5.9	509	42	33	<0.001		170	30	23	2.3	174	35	5.7	0.1	304	
9341	NATOMAS	04/25/89	9:58	16.3	8.1	7.9	613	56	52	<0.001		205	34	29	1.8	207	36	2.8	0.4	361	
9371	NATOMAS	05/23/89	10:04	19.5	7.6	7.2	283	25	16	<0.001		90	16	12	1.4	94	17	9.5	0.2	172	
9491	NATOMAS	06/21/89	6:05	20.6	7.5	5.4	401	34	26	<0.001		137	25	18	1.8	139	26	3.	0.2	238	
9564	NATOMAS	07/18/89	6:15	24.3	7.3	8.9	310	25	17	<0.001		104	20	13	1.5	118	16	1.	0.2	184	
9612	NATOMAS	08/16/89	6:45	22.2	7.3	6.6	348	28	19	<0.001		121	22	16	1.3	139	13	0.8	0.2	205	
9633	NATOMAS	09/20/89	9:30	18.8	7.1	6.1	367	29	29	<0.001		128	23	17	3.6	127	14	3.5	0.1	210	
9653	NATOMAS	10/17/89	9:12	18.0	8.1	10.5	724	61	58	<0.001		261	47	35	1.9	273	38	0.8	0.2	435	
9679	NATOMAS	11/14/89	7:10	11.7	8.3	10.8	716	56	60	<0.001		248	45	33	2.1	238	47	3.8	0.2	405	
8045	NETHERLAND01	01/12/88	8:00	5.9	7.5	10.2	825	69	108	<0.001		283	34	48	2.5	176	81	7.7	0.6	492	
8180	NETHERLAND01	03/08/88	7:38	9.1	8.1		1250	115	153	<0.001		453	43	84	1.8	346	112	1.5	1.2	775	
8301	NETHERLAND01	04/18/88	7:09	14.0	7.3	8.3	270	19	22	<0.001		101	14	16	1.6	88	15	3.4	0.1	158	
8364	NETHERLAND01	05/09/88	7:10	18.4	7.8	8.0	396	29	43	<0.001		139	21	21	1.9	122	22	3.4	0.3	225	
8501	NETHERLAND01	07/18/88	7:16	21.8	7.4	7.6	222	16	11			82	13	12	1.6	90	13	4.7	0.1	137	
9051	NETHERLAND01	01/03/89	8:21	7.0		13.1	733	64	93			259	31	44	1.7	189	58	0.2	0.6	439	
9289	NETHERLAND01	04/17/89	7:20	17.8	8.1	9.4	1430	132	239			462	63	74	3.	277	116	0.8	1.1	842	
9457	NETHERLAND01	06/26/89	7:00	18.7	7.0	8.4	235	16	15			80	14	11	1.5	77	16	3.5	0.1	142	
8046	NETHERLAND02	01/12/88	7:30	5.4	7.5	10.1	819	66	103	<0.001		284	36	47	2.3	175	82	9.5	0.6	490	
8181	NETHERLAND02	03/08/88	7:24	7.3	8.1		1480	128	228	<0.001		514	64	86	2.6	320	126	1.2	1.	909	
8279	NETHERLAND02	04/18/88	6:37	14.0	7.1	7.0	261	17	21	<0.001		98	16	14	1.7	83	14	1.8	0.1	155	
8365	NETHERLAND02	05/09/88	6:46	17.6	7.7	6.8	376	27	39	<0.001		135	21	20	1.8	120	20	0.4	0.3	214	
8502	NETHERLAND02	07/18/88	6:48	22.4	7.2	4.8	206	13	8			80	14	11	1.5	90	10	4.2	0.1	133	
9030	NETHERLAND02	01/03/89	7:58	7.1		12.2	671	54	78			232	30	38	1.7	176	51	0.4	0.5	378	
9290	NETHERLAND02	04/17/89	7:06	18.1	7.8	8.4	1200	109	194			397	57	62	2.8	252	94	0.6	0.9	748	
9458	NETHERLAND02	06/26/89	6:40	19.0	6.6	7.1	200	13	11			67	12	9	1.3	65	12	6.2	<0.1	123	
8004	NOBAY	01/06/88	11:10	11.0	8.0	11.8	332	12	8												11.5
8111	NOBAY	02/18/88	11:00	11.4	8.0	10.8	351	14	8												
8209	NOBAY	03/17/88	9:55	14.4	8.1	9.2	328	9	6												
9577	NORTHCAN	07/25/89	9:33	24.7			220	27	3				17	5		58	17			140	
9575	NVICWOOD	07/25/89	8:53	2E2			200	27	3				14	6		59	14			130	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L----->									
8555	OLDMIDDLE	07/19/88	13:30	0.0	0.0	0.0	909	102	133											570	
9580	OLDRIVDMC	07/25/89	10:40	25.7			620	90	100				48	16		96	78			380	
9206	OLDRTRACY	03/02/89	11:18	13.1	7.6	8.6	1410	168	208	0.006		319	65	38	5.	137	237	18.	1.	873	
9585	OLDRTRACY	07/25/89	7:00	24.1	7.6	7.9	850	110	140				76	23		130	130			530	
8548	PARADISE	07/19/88	14:05	29.5	7.9	6.1	1020	116	156											624	
8550	PARADISE167	07/19/88	14:35	30.5	7.9	6.0	1400	147	243											863	
8549	PARDISE168	07/19/88	14:20	29.0	8.1	7.7	1240	138	202											762	
8047	PESCADER001	01/12/88	6:40	8.9	7.5	7.5	2140	200	479	<0.001		684	132	86	1.1	156	242	8.7	0.5	1450	
8280	PESCADER001	04/18/88	7:06	16.3	7.3	6.5	1360	132	232	0.001		406	82	49	3.6	169	170	6.4	0.6	849	
8366	PESCADER001	05/09/88	11:46	18.5	8.2	10.0	1250	137	194	0.002		329	69	38	3.3	156	175	15.	0.8	772	
8503	PESCADER001	07/18/88	13:28	32.5	7.9	7.6	1280	150	206			329	71	37	3.4	166	184	11.	1.	804	
9031	PESCADER001	01/03/89	11:26	6.9	7.6	8.3	2020	168	424			692	142	82	2.5	198	215	1.9	0.4	1240	
9291	PESCADER001	04/17/89	11:06	20.4	7.7	9.7	1810	181	337			552	122	60	3.4	174	243	3.1	0.8	1110	
9459	PESCADER001	06/26/89	10:21	19.8	7.8	8.7	1070	117	158			276	61	30	3.4	142	147	7.1	0.7	647	
8048	PESCADER002	01/12/88	7:00	7.4	7.5	7.5	2180	195	478	<0.001		692	132	88	1.3	182	226	15.	0.5	1260	
8504	PESCADER002	07/18/88	13:56	34.5	7.7	9.0	1560	173	268			417	88	48	5.1	175	214	13.	1.	955	
9032	PESCADER002	01/03/89	11:43	7.5	7.3	8.9	1740	128	396			569	119	66	2.9	116	162	0:3	0.2	1160	
9292	PESCADER002	04/17/89	11:19	19.9	7.8	9.0	1690	181	297			465	102	51	4.2	164	243	5.9	0.9	1070	
9460	PESCADER002	06/26/89	10:34	21.4	7.8	9.3	1530	160	263			398	87	44	3.8	167	205	8.8	0.9	946	
8049	PESCADER003	01/12/88	7:15	6.8	7.5	8.7	2560	247	568	<0.001		760	136	102	10.	248	275	29.	0.6	1500	
8282	PESCADER003	04/18/88	7:26	14.8	7.5	7.2	1200	128	193	0.002		348	75	39	5.3	166	161	6.3	0.7	750	
8367	PESCADER003	05/09/88	12:03	19.6	8.4	12.0	1370	151	216	0.002		347	73	40	3.7	158	200	6.4	0.9	830	
8505	PESCADER003	07/18/88	14:14	32.5	8.1	10.1	1850	220	318			496	103	58	4.6	213	271	20.	1.2	1160	
9033	PESCADER003	01/03/89	12:00	6.3	7.5	11.4	2320	175	535			754	152	91	3.	163	232	2.8	0.4	1380	
9293	PESCADER003	04/17/89	11:31	19.1	7.6	9.3	1680	181	291			453	99	50	4.2	165	246	5.7	0.9	1050	
9461	PESCADER003	06/26/89	10:44	21.3	7.8	7.7	1510	163	244			389	85	43	3.8	174	215	11.	1.	932	
8283	PESCADER004	04/18/88	8:00	14.7	7.1	4.1	1400	136	243	0.001		406	90	44	7.2	163	166	14.	0.6	881	
8506	PESCADER004	07/18/88	14:46	30.5	8.1	7.8	1890	232	328			492	98	60	4.9	216	287	1.1	1.4	1180	
9294	PESCADER004	04/17/89	11:47	20.5	8.8	9.9	1650	202	283			374	74	46	3.8	134	252	11.	1.2	1020	
9462	PESCADER004	06/26/89	10:58	21.4	7.9	6.2	1660	204	267			423	92	47	5.1	206	241	7.8	1.2	1040	
8052	PIERSONPP01	01/12/88	7:00	7.4	6.7	8.2	826	57	75	<0.001		291	54	38	1.5	143	113	60.	0.3	589	
8187	PIERSONPP01	03/08/88	6:58	8.2	7.4		543	38	49	<0.001		199	35	27	1.5	145	50	6.6	0.2	364	
8284	PIERSONPP01	04/18/88	6:00	14.5	7.1	5.4	635	47	73	<0.001		233	42	31	2.1	160	48	7.4	0.2	401	
8369	PIERSONPP01	05/09/88	6:07	16.8	7.4	6.0	463	35	47	<0.001		168	31	22	1.8	139	28	0.4	0.2	294	
8507	PIERSONPP01	07/18/88	6:15	22.1	6.9	4.5	268	21	18			98	18	13	1.4	105	15	1.8	0.1	169	
9035	PIERSONPP01	01/03/89	7:33	8.0		9.2	476	30	32			180	34	23	1.8	126	54	16.	0.2	323	
9295	PIERSONPP01	04/17/89	6:38	17.1	7.0	7.2	540	41	53			196	37	25	0.9	155	40	3.3	0.2	340	
9463	PIERSONPP01	06/26/89	6:00	19.1	7.5	5.6	481	34	41			176	31	24	1.6	127	49	6.6	0.1	299	
8121	PONDEROSA	02/24/88	16:15	19.3	6.8		486	28	40												
8613	POTNODE252	08/10/88	8:51	22.0	7.9		193	17	16												
8629	POTNODE252	08/17/88	8:57	22.4	7.4		222	19	21												

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----								---->	
8655	POTNODE252	08/24/88	8:40	21.8	7.8		207	15	14												
8671	POTNODE252	08/31/88	8:45				354	34	45												
8778	POTNODE252	11/30/88	12:10	10.5	8.0	9.1	252	21	27			74	13	10	2.2	61	16	4.2	<0.1	148	
8792	POTNODE252	12/07/88	9:30	10.3	8.4	9.5	282	25	34			78	15	10	2.3	67	18	3.7	<0.1	165	
8820	POTNODE252	12/20/88	9:35	8.6	7.9	10.6	288	25	30			85	16	11	2.3	70	20	3.4	<0.1	168	
8847	POTNODE252	12/28/88	10:00	6.9	7.5	11.5	298	28	35			82	15	11	2.4	69	20	3.3	<0.1	168	
9061	POTNODE252	01/11/89	9:15	6.3	8.0		265	21	22			85	16	11	2.	81	20	3.7	0.1	160	
9081	POTNODE252	01/18/89	9:45	7.4	6.8	11.4	264	21	23			85	16	11	2.1	73	21	3.4	0.1	162	
9106	POTNODE252	01/26/89	9:16	7.7	7.5	11.3	309	26	32			94	18	12	2.2	79	24	3.2	<0.1	185	
9119	POTNODE252	02/02/89	9:15	8.2	7.4	10.5	458	50	76			107	18	15	2.9	77	26	2.9	<0.1	263	
9376	POTNODE252	06/01/89	8:35	19.4	7.7	10.1	162	11	10			54	12	6	1.4	54	9	1.6	<0.1	103	
9389	POTNODE252	06/08/89	8:15	19.9	7.7	9.9	184	14	14			59	12	7	1.6	57	11	1.7	<0.1	110	
9402	POTNODE252	06/15/89	7:20	21.3	7.9	9.4	183	14	13			59	12	7	1.4	59	12	1.	<0.1	111	
9415	POTNODE252	06/19/89	7:20	20.8	7.7	8.7	188	15	13			62	13	7	1.4	60	12	1.4	<0.1	111	
9496	POTNODE252	07/06/89	9:15	23.7	7.1	8.5	150	10	7			52	11	6	1.2	52	9	1.4	<0.1	93	
9509	POTNODE252	07/13/89	7:11	22.0	7.4	8.4	174	12	12			54	12	6	1.3	56	11	1.6	<0.1	107	
9522	POTNODE252	07/20/89	7:40	23.2	7.6	8.7	178	14	16			54	12	6	1.4	52	10	1.5	<0.1	106	
9535	POTNODE252	07/27/89	7:26	22.4	7.8	8.8	142	8	8			48	11	5	1.	48	8	1.3	<0.1	87	
8053	PROSPECTPP01	01/12/88	8:20	7.1	7.4	8.5	1390	84	65	0.002		677	101	103	1.6	374	321	29.	0.8	1010	
8188	PROSPECTPP01	03/08/88	7:59	9.1	7.9		1080	61	37	<0.001		544	73	88	1.5	461	114	1.4	0.8	748	
8285	PROSPECTPP01	04/18/88	7:38	14.0	7.3	5.3	539	26	16	<0.001		254	39	38	1.7	227	40	5.4	0.4	334	
8370	PROSPECTPP01	05/09/88	7:43	16.9	7.6	7.0	222	14	8	<0.001		87	15	12	1.5	88	13	0.8	0.2	136	
8508	PROSPECTPP01	07/18/88	7:47	22.0	7.5	5.3	183	11	7			76	14	10	1.5	70	10	3.7	<0.1	114	
8054	RINDGEPP01	01/12/88	11:26	9.4	6.7	5.7	890	87	140	<0.001		239	53	26	7.4	117	104	8.8	0.3	559	
8190	RINDGEPP01	03/08/88	12:21	14.4	7.1		1220	127	231	<0.001		312	69	34	3.1	171	71	5.7	0.3	731	
8287	RINDGEPP01	04/18/88	9:30	16.5	6.7	0.6	935	100	162	<0.001		249	57	26	3.9	193	42	7.3	0.3	572	
8371	RINDGEPP01	05/09/88	9:39	20.7	7.5	5.8	910	78	157	<0.001		293	63	33	2.4	157	65	4.2	0.2	591	
9037	RINDGEPP01	01/03/89	11:30	8.5	7.0	7.0	865	89	141			216	47	24	6.6	97	112	11.	0.4	576	
9143	RINDGEPP01	02/06/89	11:15	6.5	7.4	5.8	1470	156	283			370	79	42	4.2	145	144	5.	0.4	956	
9297	RINDGEPP01	04/17/89	9:49	21.2	7.3	3.3	1680	185	342			437	101	45	3.4	247	85	2.2	0.4	1010	
9465	RINDGEPP01	06/26/89	9:26	19.9	6.7	5.4	722	76	104			176	41	18	3.4	92	94	4.6	0.3	435	
8055	RINDGEPP02	01/12/88	11:00	9.2	6.3	4.8	588	45	70	<0.001		198	43	22	4.4	113	65	5.8	0.2	394	
8191	RINDGEPP02	03/08/88	11:53	14.3	7.1		1100	98	195	<0.001		341	74	38	2.3	162	91	4.4	0.2	757	
8288	RINDGEPP02	04/18/88	10:04	16.5	7.3	8.1	236	18	22	<0.001		77	16	9	1.8	66	16	2.4		146	
8372	RINDGEPP02	05/09/88	10:10	22.5	7.1	1.2	728	78	125	<0.001		187	40	21	5.2	155	17	4.3	0.3	459	
8510	RINDGEPP02	07/18/88	9:23	22.0	6.7	3.9	870	71	149			286	62	32	2.	122	103	5.8	0.3	591	
9038	RINDGEPP02	01/03/89	10:50	11.0	6.8	5.9	910	75	147			286	62	32	4.4	97	134	8.6	0.3	671	
9144	RINDGEPP02	02/06/89	10:50	4.4	7.8	9.4	1260	104	226			422	90	48	2.5	146	151	4.6	0.2	847	
9298	RINDGEPP02	04/17/89	9:21	18.9	7.6	7.3	465	40	66			134	29	15	2.2	84	35	2.9	0.2	283	
9466	RINDGEPP02	06/26/89	8:56	18.9	6.9	6.0	770	68	121			228	50	25	2.3	108	86	3.1	0.2	490	
8056	RIOBLANC001	01/12/88	10:30	9.6	7.3	9.2	2500	278	539	<0.001		572	64	100	1.4	357	67	17.	0.1	1430	
8192	RIOBLANC001	03/08/88	11:27	14.2	7.5		731	60	85	<0.001		261	55	30	0.9	234	23	1.5	0.1	457	
8289	RIOBLANC001	04/18/88	8:45	14.5	7.5	7.6	1360	148	224	<0.001		378	64	53	2.2	312	56	8.9	0.1	795	
8373	RIOBLANC001	05/09/88	9:07	20.2	7.6	7.5	647	50	73	<0.001		232	47	28	2.5	200	25	2.1	0.1	388	
8511	RIOBLANC001	07/18/88	8:42	21.5	7.5	3.4	739	63	101			258	54	30	1.	234	12	0.3	0.1	448	
9039	RIOBLANC001	01/03/89	10:15	8.7	7.6	10.1	732	70	98			229	39	32	1.8	198	35	6.9	0.1	451	
9141	RIOBLANC001	02/06/89	10:25	3.8	8.9	11.7	1010	99	141			320	54	45	0.9	294	22	1.9	<0.1	594	
9299	RIOBLANC001	04/17/89	8:49	17.8	7.6	5.4	1240	157	160			331	55	47	1.3	352	70	7.5	0.2	749	
9467	RIOBLANC001	06/26/89	8:32	19.4	7.9	10.3	941	108	114			265	50	34	1.	294	46	0.3	0.1	569	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L-----								----->	
8057	RIOBLANC002	01/12/88	10:15	9.9	7.3	6.0	880	76	109	<0.001		312	59	40	1.1	256	46	4.3	0.1	529	
8193	RIOBLANC002	03/08/88	11:15	14.2	7.5		460	27	26	<0.001		184	44	18	0.8	185	20	1.	0.1	290	
8290	RIOBLANC002	04/18/88	8:39	15.0	7.3	3.9	457	32	32	<0.001		172	39	18	2.5	172	18	2.3	0.1	279	
8374	RIOBLANC002	05/09/88	8:52	19.8	7.6	6.0	377	26	30	<0.001		137	30	15	4.3	123	18	2.2	0.1	231	
8512	RIOBLANC002	07/18/88	8:23	21.0	7.5	4.0	784	74	110			261	52	32	1.1	246	20	0.6	0.1	469	
9040	RIOBLANC002	01/03/89	10:00	10.2	7.7	8.2	593	48	58			214	43	26	0.8	203	27	1.4	<0.1	370	
9142	RIOBLANC002	02/06/89	10:10	3.4	8.6	11.5	1060	103	150			342	58	48	0.9	294	44	1.8	<0.1	626	
9300	RIOBLANC002	04/17/89	8:35	18.3	7.6	5.0	806	89	93			231	43	30	1.8	242	42	4.4	0.1	487	
9468	RIOBLANC002	06/26/89	8:24	20.2	7.5	7.5	460	33	36			173	38	19	0.7	174	16	0.2	<0.1	283	
8014	ROCKSL	01/07/88	11:20	9.9	7.4	13.2	755	93	160												
8094	ROCKSL	02/10/88	10:00	12.1	7.3	10.0	385	37	51												
8149	ROCKSL	03/03/88	11:05	13.6	7.8	10.7	711	84	144												
8238	ROCKSL	04/05/88	9:00	15.5	7.5	9.8	679	82	139												
8333	ROCKSL	05/03/88	10:05	18.6	7.8	9.2	315	34	46												
8425	ROCKSL	06/14/88	10:24	23.2	7.5	6.7	434	51	76												
8460	ROCKSL	07/12/88	10:03	25.0	7.3	7.1	787	108	179												
8582	ROCKSL	08/09/88	12:20	24.1	7.8	7.9	852	120	216												
8685	ROCKSL	09/06/88	9:50	25.0	7.5	7.3	950	132	229												
8717	ROCKSL	10/04/88	10:15	19.9	7.4	8.4	925	126	211												
8747	ROCKSL	11/01/88	11:10	17.7	7.6	9.0	1080	152	256												
8816	ROCKSL	12/13/88	11:24	12.0	7.1	10.7	950	129	229												
9057	ROCKSL	01/10/89	11:30	8.5	7.1	11.6	755	96	159												
9135	ROCKSL	02/07/89	10:30	6.5	6.9	9.1	1250	172	303												
9216	ROCKSL	03/07/89	10:30	13.5	7.4	10.5	852	113	192												
9251	ROCKSL	04/04/89	9:49	16.6	7.6	8.3	194	15	19												
9349	ROCKSL	05/02/89	9:50	19.4	7.5	8.7	211	17	18												
9431	ROCKSL	06/06/89	10:10	21.8	7.7	7.9	271	27	37												
9551	ROCKSL	07/05/89	11:30	25.4	7.6	7.9	284	28	38												
9620	ROCKSL	09/06/89	9:45	22.9	7.2	8.8	552	69	106												
9640	ROCKSL	10/02/89	7:09	20.3	7.6	10.8	520	62	97												
9666	ROCKSL	11/07/89	11:15	15.7	7.8	8.9	638	78	135												
9688	ROCKSL	12/05/89	11:00	12.9	7.7		810	109	183												
9225	SACCITY	03/10/89	11:15	17.7	7.2	9.1	172	7	5												
8562	SACISLETON	07/19/88	9:30				152	10	6											96	
8560	SACRIVIDA	07/19/88	9:15				150	10	6											91	
8559	SACRIVLT28	07/19/88	8:55				168	12	9											101	
8695	SACRRIOVISTA	09/15/88	8:51	20.9	7.9	7.7	235	18	14			85	16	11	1.6	85	12	2.5	<0.1	138	
8724	SACRRIOVISTA	10/13/88	8:00	18.0	7.7	8.1	183	13	10			63	12	8	1.5	62	10	2.3	<0.1	102	
8762	SACRRIOVISTA	11/17/88	10:10	14.3	7.3	9.1	242	21	25			71	12	10	1.9	65	13	2.7	<0.1	140	
8808	SACRRIOVISTA	12/06/88	8:30	10.3	7.1	10.3	204	14	11			72	14	9	1.8	66	14	3.5	<0.1	124	
9076	SACRRIOVISTA	01/17/89	8:50	8.5	7.2	11.6	237	17	13			78	15	10	1.6	78	19	2.8	0.1	146	
9156	SACRRIOVISTA	02/14/89	8:05	8.3	6.9	11.5	207	14	11			72	14	9	1.5	69	11	3.8	<0.1	126	
9231	SACRRIOVISTA	03/14/89	10:03	11.5	7.5	8.9	122	7	5			43	9	5	1.3	43	6	2.6	<0.1	81	
9260	SACRRIOVISTA	04/11/89	6:45	16.8	7.4	8.2	183	12	8			66	13	8	1.3	62	14	4.6	<0.1	115	
9356	SACRRIOVISTA	05/09/89	7:30	19.3	7.6	8.5	186	11	14			63	12	8	1.3	56	12	1.7	<0.1	116	
9483	SACRRIOVISTA	06/13/89	7:25	19.3	7.1	8.5	173	12	8			59	12	7	1.4	60	12	2.1	<0.1	109	
9557	SACRRIOVISTA	07/11/89	7:40	21.8	6.9	8.8	154	10	6			52	11	6	1.2	56	9	1.5	<0.1	97	
9595	SACRRIOVISTA	07/25/89	7:36	21.0	7.0	7.5	120	11	3				9	4		49	8			55	
9626	SACRRIOVISTA	09/13/89	7:40	20.0	7.5	9.0	190	14	8			68	14	8	1.3	71	10	2.1	<0.1	111	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L----->									
9646	SACRRIOVISTA	10/12/89	9:08	19.3	7.3	7.7	193	13	11			66	13	8	1.5	64	11	2.7	<0.1	112	
9675	SACRRIOVISTA	11/14/89	12:15	14.6	7.7	9.2	264	25	36			63	12	8	1.9	58	12	2.3	<0.1	146	
9697	SACRRIOVISTA	12/12/89	12:10	10.7	7.5	10.4	166	11	8			59	12	7	1.5	58	10	1.7	<0.1	100	
8547	SALMONOLD	07/19/88	13:50	29.5	8.1	7.0	950	108	141											601	
9570	SANDMOUND	07/25/89	7:49	23.2			320	50	57				14	11		55	20			190	
8529	SANLUISRES	07/12/88	13:45				607	72	106												
8064	SHIMATR	01/12/88	8:30	9.0	7.3	7.1	763	54	85	<0.001		299	67	32	1.5	220	54	4.4	0.1	479	
8196	SHIMATR	03/08/88	9:05	13.5	7.5	7.7	651	44	56	<0.001		243	53	27	1.7	194	53	5.4	0.1	414	
8293	SHIMATR	04/18/88	6:33	5.1	7.2	4.2	640	44	65	<0.001		244	55	26	2.2	201	38	6.2	0.1	394	
8377	SHIMATR	05/09/88	6:24	19.2	7.6	4.2	696	44	60	<0.001		281	60	32	2.	230	45	8.4	0.1	428	
8514	SHIMATR	07/18/88	5:57	23.7	7.3	5.2	577	49	58			167	34	20	14.	138	30	44.	0.1	358	
9043	SHIMATR	01/03/89	8:00	7.6	7.1	9.6	538	42	57			176	39	19	2.9	114	48	18.	0.1	327	
9137	SHIMATR	02/06/89	8:32	3.1	9.4	11.6	673	46	68			255	56	28	1.5	203	40	3.9	<0.1	412	
9303	SHIMATR	04/17/89	6:45	17.9	7.3	4.4	663	46	60			262	62	26	2.3	216	38	6.6	0.1	414	
9471	SHIMATR	06/26/89	6:45	17.9	7.0	6.7	344	29	25			105	24	11	4.7	95	20	20.	0.1	209	
8546	SJOAQBASCULE	07/19/88	12:20	28.0	7.5	5.3	870	103	143											537	
8544	SJOAQFRCMPSL	07/19/88	11:25	27.5	7.6	5.1	882	106	145											513	
9199	SJOAQHWY4	03/02/89	8:00	12.0	8.0	5.7	1080	132	178	<0.001		210	43	25	12.	135	112	14.	0.4	620	
8542	SJOAQNODE09	07/19/88	10:25	26.0	7.6	5.5	906	106	140											543	
8543	SJOAQNODE11	07/19/88	11:00	26.5	7.4	5.7	879	104	141											528	
8541	SJOAQROLDR	07/19/88	9:54	26.0	7.6	4.8	927	107	138											584	
9200	SJRMOSSDALE	03/02/89	8:30	13.1	7.6	8.7	1370	167	194	0.006		316	69	35	4.8	139	235	20.	1.1	8520	
9582	SJRMOSSDALE	07/25/89	6:00	22.7	7.0	9.3	800	120	130				54	18		120	120			530	
8552	SOMOK269	07/19/88	10:10	24.5	7.4	7.2	146	10	6											92	
8441	STATION04B	06/28/88	13:55				512	62	96			107	18	15	3.5	75	31	2.7	0.1	286	
9573	STATION04B	07/25/89	8:11	23.7			350	56	68				14	11		57	22			200	
8442	STATION05A	06/28/88	14:13				533	65	103			111	18	16	3.7	74	31	2.5	0.1	300	
8443	STATION06A	06/28/88	14:39	23.2	8.0	0.0	469	56	90			98	16	14	3.3	72	26	2.7	0.1	262	
9574	STATION06A	07/25/89	8:32	24.1			200	23	30				14	6		57	15			130	
9209	STATION09	03/02/89	12:10	12.6	7.8	10.7	689	91	144	<0.001		123	18	19	4.4	69	36	4.3	0.1	380	
9576	STATION09	07/25/89	9:12	24.5			300	50	6				16	8		60	19			190	
9578	STATION15	07/25/89	9:55	24.8			280	38	5				15	6		59	18			170	
8065	TERMPP01	01/12/88	7:20	13.8	7.2	6.5	930	65	150	<0.001		326	63	41	6.2	205	55	3.5	0.2	624	
8197	TERMPP01	03/08/88	9:45	10.7	7.1		889	64	144	<0.001		288	56	36	1.5	154	64	17.	0.2	665	
8294	TERMPP01	04/18/88	10:05	17.0	7.3	7.3	961	57	188	<0.001		365	72	45	2.	173	31	3.	0.1	579	
8291	TERMPP01	04/18/88	10:45	15.0	7.1	7.6	962	56	188	<0.001		365	72	45	1.9	170	31	5.7	0.1	584	
8378	TERMPP01	05/09/88	9:34	21.4	7.4	5.0	910	57	168	<0.001		343	68	42	2.	188	23	4.9	0.2	529	
8515	TERMPP01	07/18/88	10:00	23.5	6.9	4.6	425	29	52			154	32	18	1.5	112	24	2.9	0.1	267	
9044	TERMPP01	01/03/89	11:45	7.7	7.2	7.8	801	60	129			277	55	34	2.1	176	37	9.6	0.1	548	
9304	TERMPP01	04/17/89	9:21	18.9	7.7	8.6	480	30	66			158	32	19	2.3	108	20	6.8	0.1	296	
9472	TERMPP01	06/26/89	8:46	18.0	7.5	6.8	484	36	65			163	34	19	1.5	116	25	3.6	0.1	303	
8066	TERMPP02	01/12/88	7:45	9.9	7.0	7.0	786	65	123	<0.001		240	45	31	4.	156	53	11.	0.2	485	
8198	TERMPP02	03/08/88	9:28	9.8	7.3		716	54	114	<0.001		225	42	29	1.9	136	36	12.	0.2	492	
8295	TERMPP02	04/18/88	9:36	16.7	6.9	7.0	798	66	138	<0.001		257	50	32	1.9	136	46	12.	0.1	481	
8379	TERMPP02	05/09/88	9:07	18.8	7.5	7.1	719	59	128	<0.001		232	45	29	2.6	144	22	5.	0.2	423	
8516	TERMPP02	07/18/88	9:30	23.0	7.0	5.0	542	46	97			160	31	20	1.4	103	19	2.8	<0.1	310	
9045	TERMPP02	01/03/89	11:25	7.2	7.5	7.9	782	66	118			249	47	32	3.1	146	61	15.	0.2	523	
9305	TERMPP02	04/17/89	9:06	18.8	7.5	7.8	704	66	120			198	38	25	3.4	139	23	5.2	0.1	403	
9473	TERMPP02	06/26/89	8:28	19.0	7.7	5.6	591	42	78			191	40	22	2.4	104	48	25.	0.1	372	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L----->									
9590	TURNERCUT	07/25/89	10:25	26.7	7.4	8.5	200	21	21				14	6		70	15			130	
8604	UJONESSIPH01	08/10/88	12:01	22.6	6.7	2.2	417	49	77												
8636	UJONESSIPH01	08/17/88	7:22	20.8	6.7	1.5	407	47	73												
9420	UJONESSIPH01	06/19/89	7:52	21.2	7.4	2.4	279	26	30			77	16	9	2.3	72	18	0.8	0.1	155	
9514	UJONESSIPH01	07/14/89	9:24	23.3	7.4	4.1	239	21	25			68	14	8	1.5	62	16	1.1	<0.1	140	
8663	UJONESSIPH02	08/24/88	7:47	22.0	7.1	3.0	378	42	62												
9395	UJONESSIPH02	06/08/89	7:29	19.3	7.3	4.5	252	23	27			68	14	8	1.9	63	18	0.9	<0.1	142	
9408	UJONESSIPH02	06/15/89	7:45	23.2	7.2	3.5	266	24	29			70	15	8	2.	65	19	0.8	<0.1	147	
8067	UPEGBERTPP01	01/12/88	9:45	6.3	7.3	10.1	728	61	60	<0.001		271	36	44	3.5	206	85	11.	0.4	445	
8199	UPEGBERTPP01	03/08/88	9:14	10.5	7.9		1160	93	79	<0.001		487	60	82	3.3	392	140	0.2	0.6	787	
8296	UPEGBERTPP01	04/18/88	9:26	15.8	7.8	7.3	704	60	57	<0.001		252	35	40	5.3	204	72	8.	0.5	433	
8380	UPEGBERTPP01	05/09/88	9:15	19.9	8.5	10.5	771	67	57	<0.001		297	38	49	4.2	262	74	2.	0.6	462	
8517	UPEGBERTPP01	07/18/88	9:20	23.1	7.5	6.5	344	27	20			126	19	19	3.	135	25	8.8	0.2	211	
9046	UPEGBERTPP01	01/03/89	9:33	7.1		10.6	457	36	39			161	23	25	2.4	135	36	4.6	0.2	262	
9306	UPEGBERTPP01	04/17/89	8:27	17.9	7.7	7.5	580	49	43			196	29	30	4.5	162	66	3.2	0.4	354	
9474	UPEGBERTPP01	06/26/89	8:40	20.2	7.0	5.8	511	40	47			172	26	26	4.3	135	44	11.	0.3	304	
8068	UPEGBERTPP02	01/12/88	10:15	6.3	7.5	10.1	506	32	40	<0.001		195	27	31	4.1	106	86	6:5	0.2	307	
8297	UPEGBERTPP02	04/18/88	9:48	15.5	7.2	7.3	637	50	50	<0.001		236	35	36	4.4	189	65	7.3	0.4	384	
8381	UPEGBERTPP02	05/09/88	9:35	18.4	7.9	8.8	647	41	38	<0.001		285	40	45	2.2	250	48	2.6	0.4	380	
8518	UPEGBERTPP02	07/18/88	9:55	24.3	7.4	6.5	277	21	16			98	16	14	2.4	94	18	4.	0.2	162	
9047	UPEGBERTPP02	01/03/89	9:54	7.5		9.9	597	44	58			211	30	33	3.4	146	59	8.5	0.2	345	
9307	UPEGBERTPP02	04/17/89	8:47	17.6	7.4	6.2	701	62	62			229	34	35	5.7	182	84	4.2	0.5	433	
9475	UPEGBERTPP02	06/26/89	9:00	20.8	6.6	6.9	375	27	22			124	20	18	3.1	103	25	28.	0.2	231	
8201	UPEGBERTPP03	03/08/88	9:37	7.6	7.5		716	65	63	<0.001		221	29	36	3.3	188	72	3.6	0.5	446	
8298	UPEGBERTPP03	04/18/88	10:05	14.0	7.5	5.7	1780	140	153	0.002		777	115	119	6.3	326	437	13.	0.7	1260	
8382	UPEGBERTPP03	05/09/88	9:53	20.1	8.1	7.6	2240	190	196	<0.001		940	129	150	6.5	455	584		1.1	1620	
8519	UPEGBERTPP03	07/18/88	10:15	25.9	7.3	4.2	331	28	22			111	18	16	3.5	124	26	5.8	0.2	203	
9048	UPEGBERTPP03	01/03/89	10:07	7.7		10.7	553	41	41			199	30	30	3.	179	46	4.1	0.2	314	
9308	UPEGBERTPP03	04/17/89	8:58	17.3	7.6	6.6	586	54	44			184	29	27	6.4	162	64	5.6	0.5	354	
9476	UPEGBERTPP03	06/26/89	9:15	20.8	6.3	6.1	342	27	21			114	19	16	2.9	103	28	8.5	0.2	209	
8071	UPJONESPP02	01/12/88	7:30	8.4	6.6	7.0	756	71	113	<0.001		192	42	21	5.	81	116	12.	0.2	477	
8203	UPJONESPP02	03/08/88	7:45	14.1	6.9	6.1	789	79	130	<0.001		186	38	22	3.4	87	88	11.	0.3	513	
8300	UPJONESPP02	04/18/88	12:40	18.4	6.9	2.9	960	109	158	<0.001		238	51	27	4.3	127	118	6.5	0.4	598	
8384	UPJONESPP02	05/09/88	10:06	20.2	7.3	4.0	1120	131	201	<0.001		258	54	30	3.7	141	117	3.1	0.5	666	
8520	UPJONESPP02	07/18/88	10:30	27.0	7.1	0.0	860	100	154			204	42	24	2.9	122	80	4.4	0.4	510	
8601	UPJONESPP02	08/10/88	11:24				598	68	102												
8624	UPJONESPP02	08/17/88	7:45	19.9	6.9	3.1	721	79	124												
8661	UPJONESPP02	08/24/88	8:15	20.6	7.0	3.7	766	85	128												
8677	UPJONESPP02	08/31/88	7:45				516	62	95												
8784	UPJONESPP02	11/30/88	9:26	11.4	7.1	5.6	718	73	112			177	36	21	2.8	105	75	4.1	0.3	436	
8798	UPJONESPP02	12/07/88	9:20	11.4	7.1	7.3	799	83	134			192	39	23	3.1	111	83	3.4	0.3	477	
8854	UPJONESPP02	12/28/88	8:20	5.0	7.1	10.4	728	79	125			174	35	21	5.9	74	80	11.	0.2	417	
9050	UPJONESPP02	01/03/89	9:35	6.1	7.1	9.0	759	80	128			179	37	21	5.3	79	82	15.	0.2	470	
9070	UPJONESPP02	01/11/89	9:00	5.7		9.5	745	73	117			177	38	20	6.	63	95	27.	0.2	478	
9087	UPJONESPP02	01/18/89	9:20	7.1	6.7	8.7	795	80	119			207	45	23	5.6	78	108	28.	0.2	518	
9112	UPJONESPP02	01/26/89	9:02	9.2		6.5	958	104	153			242	51	28	3.8	114	125	9.8	0.3	601	
9125	UPJONESPP02	02/03/89	8:58	9.8	6.7	9.1	1070	120	183			255	51	31	3.2	127	127	5.4	0.4	672	
9310	UPJONESPP02	04/17/89	9:27	18.4	7.3	4.2	694	71	111			174	40	18	3.8	74	84	11.	0.3	428	
9380	UPJONESPP02	06/01/89	7:12	23.2	7.5	3.6	843	96	137			192	42	21	3.2	108	88	9.	0.3	501	

Note: Negative values signify 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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-----mg/L----->									
9393	UPJONESPP02	06/08/89	7:05	18.0	7.6	4.6	688	74	111			150	32	17	2.8	95	71	5.4	0.3	405	
9406	UPJONESPP02	06/15/89	7:15	22.3	7.5	4.6	533	58	80			123	26	14	2.7	84	49	3.9	0.2	313	
9419	UPJONESPP02	06/19/89	7:17	20.8	7.4	3.5	840	92	137			193	41	22	2.9	109	87	5.	0.4	494	
9477	UPJONESPP02	06/26/89	9:00	22.9	7.6	3.5	453	45	62			105	22	12	2.3	73	42	3.6	0.2	263	
9500	UPJONESPP02	07/07/89	5:45	23.8	7.0	3.9	532	54	73			128	28	14	3.1	88	55	6.2	0.2	314	
9513	UPJONESPP02	07/14/89	9:48	22.9	7.2	4.5	494	50	68			119	26	13	3.4	73	56	5.	0.2	296	
9526	UPJONESPP02	07/21/89	9:47	23.6	5.7	1.9	667	69	101			155	34	17	5.4	84	77	10.	0.3	401	
9539	UPJONESPP02	07/28/89	9:28	21.2	7.3	2.8	539	54	78			125	27	14	4.5	73	56	7.1	0.2	321	
8010	VERNALIS	01/07/88	8:05	10.3	7.4	11.1	1080	138	156	0.002		260	53	31	5.2	137	166	12.	0.6	661	1280.
8016	VERNALIS	01/07/88	8:05							0.002											1280.
8087	VERNALIS	01/25/88	9:30	10.6	7.4	9.7				0.004											1550.
8096	VERNALIS	02/02/88	9:40	11.1	7.5	9.1	1330	177	187	0.005											1550.
8090	VERNALIS	02/10/88	8:30	12.4	7.4	9.8	1320	167	180	0.006		308	64	36	4.6	145	222	15.	0.9	816	1470.
8104	VERNALIS	02/22/88	10:31	13.2	7.6	10.0	1380	169	196	0.006		347	73	40	7.6	145	239	17.	1.	886	1210.
8144	VERNALIS	03/03/88	7:45	12.3	7.6	10.0	800	93	103	0.002		189	41	21	2.6	97	126	1.2	0.5	603	2050.
8204	VERNALIS	03/08/88	9:30	15.5	7.6	8.8	925	108	122	0.005		212	47	23	3.2	108	150	13.	0.7	594	2160.
8217	VERNALIS	03/22/88	9:23	16.3	7.2	8.6	834	96	112	0.002		186	38	22	3.	107	131	7.6	0.6	507	2340.
8229	VERNALIS	03/29/88	8:15	16.4	7.6	9.3	812	100	114	0.004		141	24	26	2.9	121	120		0.6	480	2250.
8233	VERNALIS	04/05/88	6:40	14.3	7.5	4.3	801	92	111	0.002		188	39	22	2.8	104	117	6.4	0.5	480	2160.
8241	VERNALIS	04/12/88	8:23	18.8	7.4	8.3	842	94	118	0.003		193	41	22	3.1	110	125	6.2	0.5	507	1630.
8302	VERNALIS	04/19/88	8:52	15.9	7.4		722	82	94	0.003		180	39	20	3.2	102	106	7.7	0.4	441	2020.
8306	VERNALIS	04/26/88	8:27	16.1	7.4	8.6	726	82	92	0.002		176	39	19	3.4	92	119	7.3	0.5	442	2620.
8328	VERNALIS	05/03/88	7:11	16.6	7.8	8.7	802	97	113	0.002		193	41	22	3.1	101	118	7.1	0.5	485	1910.
8385	VERNALIS	05/10/88	8:25	18.5	7.9	8.6	781	85	104	0.002		184	39	21	3.	103	119	8.	0.5	490	2040.
8404	VERNALIS	05/17/88	8:45	18.0	7.9	8.4	815	91	115	0.002		195	40	23	2.8	109	118	7.5	0.4	521	1750.
8408	VERNALIS	05/31/88	8:20	18.5	7.9	8.7	737	78	95	0.002		172	36	20	3.	104	100	7.2	0.4	467	1770.
8420	VERNALIS	06/14/88	6:35	21.6	7.7	8.3	738	102	116	0.002		213	44	25	3.1	52	131	8.4	0.6	527	1580.
8437	VERNALIS	06/28/88	8:00				745	87	101			187	40	21	3.1	98	115	8.6	0.5	450	
8455	VERNALIS	07/12/88	6:18	22.0	7.8	7.7	954	112	137	0.003		238	51	27	3.5	132	145	10.	0.7	582	
8566	VERNALIS	07/26/88	8:20	23.5	7.9	7.6	716	80	102	0.002		175	37	20	2.8	111	102	8.7	0.5	434	
8577	VERNALIS	08/09/88	8:00				846	100	125	0.002		202	43	23	3.8	116	118	7.5	0.6	518	
8594	VERNALIS	08/23/88	7:30				840	98	120			205	44	23	3.3	116	121	8.9	0.6	515	
8681	VERNALIS	09/06/88	6:45	22.2	7.7	6.9	896	111	135	0.002		211	45	24	3.9	122	123	7.	0.6	547	
8710	VERNALIS	10/04/88	6:58	18.1	8.0	8.0	911	106	138	0.002		217	44	26	3.3	129	108	5.2	0.4	530	
8735	VERNALIS	10/18/88	8:25	18.6	7.6	8.4	893	108	139	0.001		209	41	26	3.5	130	104	4.5	0.4	554	
8740	VERNALIS	11/01/88	8:15	15.3	7.3	8.9	857	101	129	0.002		201	41	24	3.4	120	110	6.3	0.5	505	
8765	VERNALIS	11/15/88	9:10	14.9	7.3	9.1	847	106	123	0.001		162	22	26	3.6	115	108	6.5	0.4	498	
8811	VERNALIS	12/13/88	8:25	10.2	7.2	10.0	869	96	126	0.002		190	38	23	4.	115	117	9.7	0.5	514	
9052	VERNALIS	01/10/89	7:45	9.2	7.2	9.1	1080	135	150	0.002		257	52	31	6.4	135	166	15.	0.7	652	
9091	VERNALIS	01/24/89	9:40	9.1	8.6	9.6	1180	148	168	0.003		293	58	36	5.3	137	199	19.	0.8	740	
9130	VERNALIS	02/07/89	7:45	5.6	7.1	11.1	1270	158	179	0.006		296	61	35	5.	138	205	18.	0.9	793	
9176	VERNALIS	02/14/89	6:55	7.7	7.4		1250	158	179	0.005											
9181	VERNALIS	02/16/89	7:00	10.5	7.0	9.1	1220	150	167	0.004											
9159	VERNALIS	02/21/89	9:15	14.4	8.2	8.3	1460	184	206	0.006		343	73	39	5.2	143	251	20.	1.1	897	
9194	VERNALIS	02/23/89	11:00	16.2	8.2	8.0	1350	81	185	0.006											
9202	VERNALIS	03/02/89	9:15	12.6	7.8	8.8	1180	145	164	0.005		277	60	31	4.4	122	205	16.	0.9	726	
9211	VERNALIS	03/07/89	7:30	14.4	7.3	8.5	836	95	107	0.004		187	42	20	4.8	98	125	14.	0.6	499	
9234	VERNALIS	03/21/89	9:24	15.3	7.3	7.9	732	84	92	0.004		167	37	18	3.	87	114	8.8	0.5	444	
9246	VERNALIS	04/04/89	7:13	15.5	8.3	7.7	825	99	112	0.003		192	42	21	3.	97	130	9.8	0.5	496	

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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	Se mg/L	Asbest MF/L	Hard.	Ca	Mg	K	ALK	SO4	NO3	B	TDS	FLOW cfs
												<-mg/L->									
9331	VERNALIS	04/18/89	6:00	16.8	8.0		676	76	85	0.003		164	36	18	2.9	85	103	7.7	0.5	406	
9344	VERNALIS	05/02/89	7:15	18.5	7.3	7.8	715	82	89	0.002		170	35	20	3.2	94	110	9.6	0.5	436	
9359	VERNALIS	05/16/89	8:20	19.6	7.6	8.7	661	73	85	0.002		159	34	18	3.	92	94	6.6	0.4	396	
9426	VERNALIS	06/06/89	6:50	19.6	7.3	8.0	649	66	83	0.002		151	34	16	2.6	87	96	7.4	0.4	381	
9546	VERNALIS	07/05/89	8:25	21.9	7.7	8.1	671	70	84	0.002		162	35	18	2.8	92	95	10.	0.4	397	
9601	VERNALIS	08/03/89	7:10	21.4	8.2	8.8	770	85	105	0.002		182	40	20	3.2	110	102	7.3	0.5	450	
9615	VERNALIS	09/06/89	7:13	21.1	7.7	8.4	845	95	115	0.002		198	43	22	3.7	119	120	4.7	0.6	495	
9635	VERNALIS	10/02/89	9:25	20.0	7.1	9.2	830	97	109	0.003		189	41	21	4.2	120	113	8.2	0.5	487	
9661	VERNALIS	11/07/89	7:20	13.4	7.3	8.5	862	100	121	0.002		196	42	22	3.7	122	112	7.3	0.5	492	
9683	VERNALIS	12/05/89	7:30	9.7	7.9		978	118	135	0.002		215	45	25	3.	123	143	8.4	0.8	593	

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MINOR ELEMENTS DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	PH	DO mg/L	EC uS/cm	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
8075	AGDEMPIRE	01/21/88	9:05	8.6	6.4	6.5	1720	<1.	1.210	<0.005	<0.005	1.430		0.014	<0.05	<0.005
8133	AGDEMPIRE	02/23/88	8:50	11.3	6.8	5.4	1980	<1.	2.820	<0.005	0.007	2.120		0.022	<0.05	0.008
8223	AGDEMPIRE	03/24/88	8:30	16.8	7.0	9.1	811	<1.	0.488	<0.005	<0.005	0.442		0.018	<0.05	0.006
8322	AGDEMPIRE	04/28/88	8:25	16.1	6.6	5.3	631	<1.	0.824	<0.005	<0.005	0.340		0.017	<0.05	<0.005
8399	AGDEMPIRE	05/26/88	7:30	18.8	7.5	1.1	1000	<1.	0.764	<0.005	0.007	0.568		0.148	<0.05	<0.005
8431	AGDEMPIRE	06/22/88	6:27	22.3	7.3	2.6	674	<1.	0.488	<0.005	<0.005	0.276		0.006	<0.05	<0.005
8466	AGDEMPIRE	07/14/88	8:55	23.0	6.8	0.6	1420	<1.	3.100	<0.005	<0.005	2.080		0.009	<0.05	0.005
8588	AGDEMPIRE	08/16/88	7:59	21.3	6.9	2.3	537	<1.	0.464	<0.005	<0.005	0.134		0.007	<0.05	0.005
8700	AGDEMPIRE	09/22/88	6:35	16.6	7.2	2.0	2140	<1.	0.124	<0.005	<0.005	0.340		0.008	<0.05	<0.005
8729	AGDEMPIRE	10/20/88	7:45	19.2	5.9	2.4	1180	<0.1	0.220	<0.005	0.006	0.366		0.041	<0.05	0.011
8730	AGDEMPIRE	10/20/88	7:45	19.2	5.9	2.4										
8752	AGDEMPIRE	11/10/88	8:25	16.0	6.8	4.2										
8751	AGDEMPIRE	11/10/88	8:25	16.0	6.8	4.2	1350	<0.1	0.984	<0.005	<0.005	0.522		0.010	<0.05	0.012
8834	AGDEMPIRE	12/20/88	9:00	14.7	6.8	3.9	585	<1.	1.830	<0.005	<0.005	0.252		0.018	<0.05	0.008
9099	AGDEMPIRE	01/31/89	8:30	10.5	6.6	3.6										
9098	AGDEMPIRE	01/31/89	8:30	10.5	6.6	3.6	1500	<1.	5.360	<0.005	0.006	1.830		0.013	<0.05	0.011
9189	AGDEMPIRE	02/28/89	8:30	13.5	6.8	4.1										
9188	AGDEMPIRE	02/28/89	8:30	13.5	6.8	4.1	1720	<1.	2.680	0.007	<0.005	1.880		0.014	<0.05	0.008
9242	AGDEMPIRE	03/28/89	8:56	16.4	6.9	4.4										
9241	AGDEMPIRE	03/28/89	8:56	16.4	6.9	4.4	2030	<1.	2.500	<0.005	<0.005	1.680		0.022	<0.05	0.009
9273	AGDEMPIRE	04/17/89	7:17	18.8	7.5	6.7	2160									
9339	AGDEMPIRE	04/25/89	8:13	15.2	5.6	7.3										
9338	AGDEMPIRE	04/25/89	8:13	15.2	7.3	5.6	2320	<1.	0.144	<0.005	<0.005	0.264		0.040	<0.05	0.009
9368	AGDEMPIRE	05/23/89	8:18	17.6	6.7	8.7	800	<1.	0.550	<0.005	0.006	0.312		0.019	<0.05	0.009
9369	AGDEMPIRE	05/23/89	8:18	17.6	6.7	8.7										
9488	AGDEMPIRE	06/21/89	7:30	20.4	6.9	4.5	524	<1.	0.196	<0.005	<0.005	0.174		0.014	<0.05	<0.005
9489	AGDEMPIRE	06/21/89	7:30	20.4	6.9	4.5										
9562	AGDEMPIRE	07/18/89	7:40	24.0	6.8	3.8	422	<1.	0.650	<0.005	0.006	0.228		<0.005	<0.05	0.008
9605	AGDEMPIRE	08/03/89	9:55	22.4	7.4	5.9	346	<1.	0.328	<0.005	<0.005	0.212		<0.005	<0.05	<0.005
9631	AGDEMPIRE	09/20/89	7:40	19.0	7.2	4.0	2310	<1.	2.350	<0.005	<0.005	2.420		0.013	<0.05	0.007
9670	AGDEMPIRE	11/07/89	11:40	16.0	7.5	5.4	1600	<1.	0.244	<0.005	0.005	1.520		0.017	<0.05	0.005
8007	AGDGRAND	01/06/88	8:25	9.2	7.1	8.1	832	<1.	0.440	<0.005	0.006	0.071		0.018	<0.05	0.013
8114	AGDGRAND	02/18/88	7:30	9.3	7.2	8.8	642	<1.	0.166	<0.005	0.005	0.308		0.020	<0.05	0.008
8211	AGDGRAND	03/18/88	7:19	13.0	7.1	8.0	324	<1.	0.118	<0.005	<0.005	0.132		0.022	<0.05	<0.005
8392	AGDGRAND	05/19/88	6:55	18.2	7.4	6.7	278	<1.	0.084	<0.005	<0.005	0.107		<0.005	<0.05	<0.005
8414	AGDGRAND	06/07/88	6:17	15.8	7.1	6.5	308	<1.	0.075	<0.005	<0.005	0.104		<0.005	<0.05	<0.005
8449	AGDGRAND	07/06/88	6:54	20.0	7.0	5.7	276	<1.	0.075	<0.005	<0.005	0.065		0.007	<0.05	<0.005
8571	AGDGRAND	08/02/88	8:10				222	<1.	0.092	<0.005	<0.005	0.049		0.014	<0.05	<0.005
8691	AGDGRAND	09/15/88	6:55	18.8	6.9	5.2	363	<1.	0.060	<0.005	<0.005	0.091		0.007	<0.05	<0.005
8720	AGDGRAND	10/13/88	7:00	15.6	7.2	6.7	409	<1.	0.118	<0.005	<0.005	0.092		0.007	<0.05	0.008
8721	AGDGRAND	10/13/88	7:00	15.6	7.2	6.7										
8759	AGDGRAND	11/17/88	8:09	9.9	7.2	8.6										
8758	AGDGRAND	11/17/88	8:09	9.9	7.2	8.6	398	<1.	0.247	<0.005	<0.005	0.141		0.006	<0.05	0.006
8804	AGDGRAND	12/06/88	7:40	10.8	7.2	9.2	370	<1.	0.069	<0.005	<0.005	0.159		0.006	<0.05	<0.005
9072	AGDGRAND	01/17/89	7:50	9.8	7.1	9.1	482	<1.	0.168	<0.005	<0.005	0.164		0.005	<0.05	0.005
9073	AGDGRAND	01/17/89	7:50	9.8	7.1	9.1										
9153	AGDGRAND	02/14/89	7:30	9.5	7.0	9.4										
9227	AGDGRAND	03/14/89	7:54	12.0	6.7	7.8	756	<1.	0.245	<0.005	0.005	0.455		0.014	<0.05	0.011
9228	AGDGRAND	03/14/89	7:54	12.0	6.7	7.8										
9256	AGDGRAND	04/11/89	6:20	16.3	7.2	6.9	357	<1.	0.080	<0.005	<0.005	0.144		0.014	<0.05	<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	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
9257	AGDGRAND	04/11/89	6:20	16.3	7.2	6.9										
9353	AGDGRAND	05/09/89	6:30	19.0	7.5	6.3										
9352	AGDGRAND	05/09/89	6:30	19.0	7.5	6.3	314	<1.	0.080	<0.005	<0.005	0.079		0.006	<0.05	<0.005
9479	AGDGRAND	06/13/89	6:35	18.2	7.1	7.0	292	<1.	0.022	<0.005	<0.005	0.053		0.160	<0.05	0.005
9480	AGDGRAND	06/13/89	6:35	18.2	7.1	7.0										
9554	AGDGRAND	07/11/89	7:00	19.9	6.8	6.5	325	<1.	0.070	<0.005	<0.005	0.091		0.007	<0.05	<0.005
9607	AGDGRAND	08/16/89	7:57	21.2	7.6	7.2	360	<1.	0.063	<0.005	<0.005	0.072		<0.005	<0.05	<0.005
9623	AGDGRAND	09/13/89	6:45	18.9	8.3	6.8	264	<1.	0.086	<0.005	<0.005	0.072		<0.005	<0.05	<0.005
9643	AGDGRAND	10/12/89	6:42	18.3	7.2		531	<1.	0.102	<0.005	<0.005	0.201		0.016	<0.05	0.007
9672	AGDGRAND	11/14/89	8:45	13.1	7.4	6.2	458	<1.	0.162	<0.005	<0.005	0.137		0.007	<0.05	<0.005
9563	AMERICAN	07/18/89	5:35	22.7	7.1	8.7	60									
9678	AMERICAN	11/14/89	6:25	13.2	7.2	9.5	58									
9548	BANKS	07/05/89	10:18	23.0	7.7	8.2	291									
9617	BANKS	09/06/89	8:38	21.5	7.2	8.6	377									
9637	BANKS	10/02/89	8:38	18.8	7.5	10.0	430									
9663	BANKS	11/07/89	9:15	15.1	7.7	8.8	523									
9685	BANKS	12/05/89	9:22	11.8	7.6		651									
9556	BARKERNOBAY	07/11/89	8:55	20.9	7.3	7.8	289									
9068	BOULDIN1	01/11/89	10:40	5.6		9.2	522									
9089	BOULDIN1	01/18/89	9:31	6.2	7.2	7.1	509									
9114	BOULDIN1	01/26/89	8:28	6.6	7.4	9.5	527									
9127	BOULDIN1	02/03/89	10:09	9.8	6.1	5.4	829									
9263	BOULDIN1	04/17/89	8:43	19.4	7.2	5.7	531									
9384	BOULDIN1	06/01/89	8:51	21.4	7.4	4.5	573									
9397	BOULDIN1	06/08/89	8:57	19.3	7.2	3.8	373									
9410	BOULDIN1	06/15/89	9:35	22.0	7.2	5.4	241									
9423	BOULDIN1	06/19/89	7:40	18.9	7.1	5.2	300									
9504	BOULDIN1	07/07/89	9:45	23.3	7.1	3.6	384									
9517	BOULDIN1	07/14/89	7:29	20.0	7.1	2.5	485									
9530	BOULDIN1	07/21/89	7:25	22.1	6.6	3.9	305									
9543	BOULDIN1	07/28/89	7:11	20.5	7.3	4.1	236									
9069	BOULDIN2	01/11/89	11:06	6.0		8.2	624									
9090	BOULDIN2	01/18/89	10:17	8.3	6.9	4.3	707									
9115	BOULDIN2	01/26/89	9:36	8.1	6.6	7.2	425									
9128	BOULDIN2	02/03/89	10:42	10.0		5.9	632									
9264	BOULDIN2	04/17/89	8:21	18.9	7.5	9.6	333									
9385	BOULDIN2	06/01/89	9:18	22.4	7.1	4.7	466									
9398	BOULDIN2	06/08/89	9:23	21.0	6.7	5.1	270									
9411	BOULDIN2	06/15/89	10:15	23.2	6.5	4.9	256									
9424	BOULDIN2	06/19/89	6:51	19.3	6.6	5.3	258									
9505	BOULDIN2	07/07/89	9:00	22.6	7.4	3.9	197									
9518	BOULDIN2	07/14/89	6:52	20.4	7.1	6.9	182									
9531	BOULDIN2	07/21/89	8:02	22.8	6.4	6.4	218									
9544	BOULDIN2	07/28/89	7:50	20.8	7.4	5.3	195									
9067	BOULDSIPHO1	01/11/89	10:16	7.7		8.0	292									
9088	BOULDSIPHO1	01/18/89	8:27	7.7	9.1	9.2	225									
9113	BOULDSIPHO1	01/26/89	7:40	7.2	7.0	6.4										

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	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
9383	BOULDSIPH01	06/01/89	8:25	21.1	7.2	7.6	427									
9396	BOULDSIPH01	06/08/89	8:36	20.6	7.6	7.4	167									
9409	BOULDSIPH01	06/15/89	9:00	22.1	7.5	7.5	187									
9422	BOULDSIPH01	06/19/89	8:23	21.7	7.9	8.4	176									
9503	BOULDSIPH01	07/07/89	10:15	23.5	7.4	8.7	147									
9516	BOULDSIPH01	07/14/89	8:10	22.9	7.7	8.5	172									
9529	BOULDSIPH01	07/21/89	6:24	22.5	7.1	8.7	132									
9265	BRANNANPP01	04/17/89	7:49	19.4	7.2	5.0	582									
9266	BRANNANPP02	04/17/89	6:50	16.5	6.9	2.9	538									
9267	BRANNANPP03	04/17/89	7:28	17.2	6.8	2.9	1540									
9268	BRANNANPP04	04/17/89	7:28	18.4	7.3	6.3	892									
9550	CLIFTON	07/05/89	12:30	24.8	7.7	7.6	333									
9639	CLIFTON	10/02/89	7:57	19.4	7.7	10.5	405									
9665	CLIFTON	11/07/89	10:20	15.9	7.7	8.4	469									
9687	CLIFTON	12/05/89	10:06	12.2	7.7		565									
9269	CLIFTONCT	04/17/89	10:23	17.6	6.8	5.6	4710									
9270	COLUSA	04/17/89	10:19	21.1	8.2	8.1	531									
9549	DMC	07/05/89	10:42	23.4	7.8	7.7	276									
9618	DMC	09/06/89	9:02	21.7	7.3	8.4	338									
9638	DMC	10/02/89	8:14	19.2	7.9	10.2	364									
9664	DMC	11/07/89	9:50	15.3	7.6	8.8	488									
9686	DMC	12/05/89	9:39	11.6	7.7		689									
9271	EGBERTPP01	04/17/89	7:53	17.2	7.4	5.7	524									
9272	EGBERTPP02	04/17/89	8:15	16.2	7.7	11.1	1550									
9553	GREENES	07/11/89	6:05	22.0	7.0	8.5	144									
9642	GREENES	10/12/89	6:13	18.7	7.2		169									
9671	GREENES	11/14/89	8:05	12.8	7.4	9.6	153									
9138	KINGISPP01	02/06/89	9:15	5.9	8.6	8.2	456									
9275	KINGISPP01	04/17/89	7:58	17.5	7.1	3.4	692									
9139	KINGISPP02	02/06/89	9:50	2.0	8.0	7.5	544									
9276	KINGISPP02	04/17/89	8:18	17.6	7.5	3.1	538									
9140	KINGISPP03	02/06/89	9:30	2.0	8.6	12.9	1670									
9277	KINGISPP03	04/17/89	7:39	17.1	7.4	2.5	397									
9561	LCONNECT	07/18/89	8:15	23.9	7.1	7.4	176									
9650	LCONNECT	10/17/89	12:21	20.6		8.3	162									
9669	LCONNECT	11/07/89	14:20	14.3	7.5	8.9	162									
9691	LCONNECT	12/05/89	13:25	13.3	7.6		195									
9555	LINDSEY	07/11/89	8:25	21.0	7.2	8.6	263									
9673	LINDSEY	11/14/89	13:05	14.1	7.9	9.2	265									
9062	LPOTATOWHITE	01/11/89	9:25	6.7	8.0		236									
9082	LPOTATOWHITE	01/18/89	9:15	7.3	7.9	11.4	221									
9120	LPOTATOWHITE	02/02/89	9:45	8.5	7.7	10.2	246									
9377	LPOTATOWHITE	06/01/89	8:50	19.4	7.8	11.2	163									
9403	LPOTATOWHITE	06/15/89	7:24	21.3	7.7	8.5	173									
9416	LPOTATOWHITE	06/19/89	8:02	21.7	8.1	8.4	189									
9497	LPOTATOWHITE	07/06/89	10:00	23.3	7.8	8.7	147									
9510	LPOTATOWHITE	07/13/89	7:53	22.5	7.9	8.8	162									
9523	LPOTATOWHITE	07/20/89	7:02	22.9	7.0	8.6	147									
9536	LPOTATOWHITE	07/27/89	6:50	21.5	8.2	8.7	136									
9059	LPOTTERM	01/11/89	8:40	6.6	7.6		217									

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MINOR ELEMENTS DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	PH	DO mg/L	EC uS/cm	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
9079	LPOTTERM	01/18/89	8:41	6.9	8.3	11.5	212									
9104	LPOTTERM	01/26/89	10:01	8.6	6.6	11.0	234									
9117	LPOTTERM	02/02/89	8:50	8.3	7.3	10.3	249									
9374	LPOTTERM	06/01/89	7:50	19.8	8.1	8.1	169									
9387	LPOTTERM	06/08/89	7:30	19.8	8.3	10.0	161									
9400	LPOTTERM	06/15/89	8:15	21.6	7.6	8.4	181									
9413	LPOTTERM	06/19/89	8:35	21.1	8.0	8.3	181									
9494	LPOTTERM	07/06/89	7:30	20.5	8.2	8.9	143									
9507	LPOTTERM	07/13/89	8:18	23.2	7.9	8.9	170									
9520	LPOTTERM	07/20/89	6:45	22.5	7.3	8.6	133									
9533	LPOTTERM	07/27/89	6:25	21.6	8.3	8.7	132									
9558	MALLARDIS	07/11/89	10:30	22.3	7.5	9.1	7930									
9676	MALLARDIS	11/14/89	10:15	15.6	7.8	8.7	13800									
8335	MAZE	05/03/88	7:38	15.7	7.8	8.3	1480	<1.	<0.005	<0.005	<0.005	0.060		<0.005	<0.05	<0.005
8426	MAZE	06/14/88	7:20	23.0	7.8	6.9	1350	<1.	0.007	<0.005	<0.005	0.027		<0.005	<0.05	<0.005
8461	MAZE	07/12/88	7:19	23.5	7.9	7.1	1530	<1.	0.011	<0.005	<0.005	0.029		0.040	<0.05	<0.005
8583	MAZE	08/09/88	9:00				1360	<1.	0.009	<0.005	<0.005	0.036		0.007	<0.05	<0.005
8686	MAZE	09/06/88	7:20	24.6	7.8	6.1	1480	<1.	0.009	<0.005	<0.005	0.031		0.021	<0.05	0.005
8712	MAZE	10/04/88	7:34	18.5	8.0	8.8	1530	<1.	0.032	<0.005	0.006	0.091		0.006	<0.05	<0.005
8742	MAZE	11/01/88	8:54	15.8	7.5	8.3	1290	<1.	0.010	<0.005	<0.005	0.030		0.008	<0.05	<0.005
8743	MAZE	11/01/88	8:54	15.8	7.5	8.3										
8812	MAZE	12/13/88	8:57	10.4	7.4	9.3	1280	<1.	0.028	<0.005	<0.005	0.043		0.005	<0.05	<0.005
9053	MAZE	01/10/89	8:30	10.4	7.3	8.4	1340	<1.	0.032	<0.005	<0.005	0.047		<0.005	<0.05	<0.005
9131	MAZE	02/07/89	8:15	5.6	7.2	10.6	1520	<1.	0.025	<0.005	<0.005	0.060		<0.005	<0.05	<0.005
9212	MAZE	03/07/89	8:00	14.9	7.4	7.7	1100	<1.	0.021	<0.005	<0.005	0.063		0.013	<0.05	<0.005
9247	MAZE	04/04/89	7:36	16.4	8.0	6.9	1400	<1.	0.012	<0.005	<0.005	0.076		0.017	<0.05	<0.005
9345	MAZE	05/02/89	7:40	19.2	7.4	6.8	915	<1.	0.021	<0.005	<0.005	0.025		0.011	<0.05	<0.005
9427	MAZE	06/06/89	7:25	21.3	7.9	7.1	1280	<1.	<0.005	<0.005	<0.005	0.033		0.063	<0.05	0.028
9547	MAZE	07/05/89	9:10	23.5	7.7	7.5	1210	<1.	<0.005	<0.005	<0.005	<0.005		<0.005	<0.05	<0.005
9602	MAZE	08/03/89	7:40	21.8	7.7	8.3	1130	<1.	0.008	<0.005	0.012	0.038		0.023	<0.05	<0.005
9616	MAZE	09/06/89	7:36	21.8	7.6	7.8	1320	<1.	0.020	<0.005	<0.005	0.028		<0.005	<0.05	<0.005
9636	MAZE	10/02/89	9:49	20.1	6.8	9.0	1120	<1.	0.017	<0.005	<0.005	0.036		0.007	<0.05	<0.005
9662	MAZE	11/07/89	8:10	13.5	7.4	8.5	1040	<1.	0.045	<0.005	<0.005	0.062		0.009	<0.05	<0.005
9684	MAZE	12/05/89	7:55	9.6	8.4		1120	<1.	0.012	<0.005	<0.005	0.043		0.005	<0.05	<0.005
9278	MCCORWIL01	04/17/89	10:21	19.8	7.6	6.5	120									
9279	MCCORWIL02	04/17/89	9:59	18.8	7.5	6.6	268									
9064	MIDDLER	01/11/89	10:15	6.2	8.0		469									
9084	MIDDLER	01/18/89	10:15	6.9	7.2	10.6	414									
9109	MIDDLER	01/26/89	9:40	7.5		11.2	434									
9122	MIDDLER	02/02/89	10:45	8.1	7.6	10.3	449									
9379	MIDDLER	06/01/89	9:50	20.5	8.0	11.2	255									
9392	MIDDLER	06/08/89	9:15	21.3	7.8	9.5	240									
9405	MIDDLER	06/15/89	7:15	24.3	7.5	7.1	271									
9418	MIDDLER	06/19/89	8:11	22.4	7.5	7.1	255									
9499	MIDDLER	07/06/89	6:30	23.6	7.6	7.2	248									
9512	MIDDLER	07/13/89	9:10	24.2	8.0	8.0	229									
9560	MIDDLER	07/18/89	9:15	26.6	7.2	7.8	244									
9525	MIDDLER	07/20/89	9:17	24.8	6.5	7.9	248									
9538	MIDDLER	07/27/89	9:05	24.2	7.4	8.1	229									
9649	MIDDLER	10/17/89	10:40	19.7	7.0	8.1	436									

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MINOR ELEMENTS DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	PH	DO mg/L	EC uS/cm	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
9668	MIDDLER	11/07/89	12:00	15.9	7.8	9.0	423									
9690	MIDDLER	12/05/89	11:36	13.3	7.6		442									
9063	MIDWOODWARD	01/11/89	10:00	6.2	8.2		464									
9083	MIDWOODWARD	01/18/89	9:45	6.8	6.8	11.2	398									
9108	MIDWOODWARD	01/26/89	9:17	7.3		10.9	432									
9121	MIDWOODWARD	02/02/89	10:35	8.1	7.5	10.2	470									
9378	MIDWOODWARD	06/01/89	9:30	20.3	8.0	9.7	244									
9391	MIDWOODWARD	06/08/89	9:00	21.2	7.8	9.6	238									
9404	MIDWOODWARD	06/15/89	9:00	23.5	7.7	7.4	264									
9417	MIDWOODWARD	06/19/89	7:32	23.0	7.6	7.0	258									
9498	MIDWOODWARD	07/06/89	6:00	23.4	6.9	7.3	251									
9511	MIDWOODWARD	07/13/89	10:04	24.5	7.6	7.9	228									
9524	MIDWOODWARD	07/20/89	10:00	25.2	6.1	7.8	244									
9537	MIDWOODWARD	07/27/89	9:43	24.3	7.7	8.0	230									
9060	MOKGEORGIANA	01/11/89	8:55	6.4	8.1		200									
9080	MOKGEORGIANA	01/18/89	10:43	7.9	6.9	11.4	201									
9105	MOKGEORGIANA	01/26/89	7:50	7.3	7.4	11.2	261									
9118	MOKGEORGIANA	02/02/89	9:50	8.4	7.6	10.4	213									
9375	MOKGEORGIANA	06/01/89	8:10	19.6	7.8	8.7	157									
9388	MOKGEORGIANA	06/08/89	7:55	20.4	7.9	9.3	152									
9401	MOKGEORGIANA	06/15/89	6:45	21.5	8.5	8.2	164									
9414	MOKGEORGIANA	06/19/89	6:39	20.6	7.9	8.5	155									
9495	MOKGEORGIANA	07/06/89	7:15	21.2	7.8	9.2	145									
9508	MOKGEORGIANA	07/13/89	6:33	21.5	7.9	8.7	144									
9521	MOKGEORGIANA	07/20/89	8:20	22.5	6.6	9.1	127									
9534	MOKGEORGIANA	07/27/89	8:09	21.3	7.3	9.2	120									
9280	MOSSDALE01	04/17/89	7:38	16.1	7.4	7.6	858									
9281	MOSSDALE02	04/17/89	7:52	17.1	7.5	7.1	936									
9288	MOSSDALE11	04/17/89	7:10	16.6	8.0	8.3	876									
8078	NATOMAS	01/21/88		11.7	7.3	9.5	429		0.141			0.775		0.028		
8226	NATOMAS	03/24/88	10:15	19.1	8.0	7.0	867	<1.	0.008	<0.005	<0.005	0.103		<0.005	<0.05	<0.005
8325	NATOMAS	04/28/88	6:05	18.2	8.6	9.8	416	<1.	0.038	<0.005	<0.005	0.005		0.006	<0.05	<0.005
8136	NATOMAS	05/09/88	11:05	14.6	7.9	10.8	921					0.060				
8402	NATOMAS	05/26/88	6:29	19.9	7.8	2.0	617	<1.	0.011	<0.005	<0.005	0.053		0.010	<0.05	<0.005
8434	NATOMAS	06/22/88	9:49	24.8	7.6	4.5	391	<1.	0.079	<0.005	<0.005	0.045		0.008	<0.05	<0.005
8468	NATOMAS	07/14/88	7:30	23.0	7.6	5.5	485	<1.	0.022	<0.005	<0.005	0.042		0.009	<0.05	<0.005
8591	NATOMAS	08/16/88	6:33	21.1	7.7	7.4	349	<1.	0.053	<0.005	<0.005	0.007		0.009	<0.05	<0.005
8703	NATOMAS	09/22/88	9:42					<1.	0.019	<0.005	<0.005	0.029		<0.005	<0.05	<0.005
8732	NATOMAS	10/20/88	6:15	18.3	7.8	8.8	429	<1.	0.008	<0.005	<0.005	0.009		0.016	<0.05	0.005
8733	NATOMAS	10/20/88	6:15	18.3	7.8	8.8										
8755	NATOMAS	11/10/88	7:00	15.2	7.3	8.1										
8754	NATOMAS	11/10/88	7:00	15.2	7.3	8.1	356	<1.	0.013	<0.005	<0.005	0.024		0.010	<0.05	<0.005
8837	NATOMAS	12/20/88	7:40	10.9	8.4	12.0	501	<1.	0.045	<0.005	<0.005	0.039		0.009	<0.05	<0.005
9101	NATOMAS	01/31/89	7:00	10.3	7.7	10.8	777	<1.	0.040	<0.005	<0.005	0.082		0.006	<0.05	<0.005
9102	NATOMAS	01/31/89	7:00	10.3	7.7	10.8										
9192	NATOMAS	02/28/89	7:05	13.0	7.9	9.9										
9191	NATOMAS	02/28/89	7:05	13.0	7.9	9.9	824	<1.	0.008	<0.005	<0.005	0.250		<0.005	<0.05	<0.005
9244	NATOMAS	03/28/89	10:50	16.6	7.5	5.9	509	<1.	0.083	<0.005	<0.005	0.100		0.010	<0.05	0.005
9341	NATOMAS	04/25/89	9:58	16.3	8.1	7.9	613	<1.	0.012	<0.005	0.023	0.038		0.041	<0.05	0.026
9342	NATOMAS	04/25/89	9:58	16.3	8.1	7.9										

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	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
9372	NATOMAS	05/23/89	10:04	19.5	7.6	7.2										
9371	NATOMAS	05/23/89	10:04	19.5	7.6	7.2	283	<1.	0.028	<0.005	<0.005	0.035		<0.005	<0.05	<0.005
9492	NATOMAS	06/21/89	6:05	20.6	7.5	5.4										
9491	NATOMAS	06/21/89	6:05	20.6	7.5	5.4	401	<1.	0.009	<0.005	0.006	0.081		0.076	<0.05	0.013
9564	NATOMAS	07/18/89	6:15	24.3	7.3	8.9	310	<1.	0.009	<0.005	<0.005	0.005		0.008	<0.05	<0.005
9612	NATOMAS	08/16/89	6:45	22.2	7.3	6.6	348	<1.	0.042	<0.005	0.005	0.063		0.020	<0.05	<0.005
9633	NATOMAS	09/20/89	9:30	18.8	7.1	6.1	367	<1.	0.184	<0.005	<0.005	0.067		<0.005	<0.05	<0.005
9653	NATOMAS	10/17/89	9:12	18.0	8.1	10.5	724	<1.	0.010	<0.005	<0.005	0.006		0.012	<0.05	<0.005
9679	NATOMAS	11/14/89	7:10	11.7	8.3	10.8	716	<1.	0.005	<0.005	<0.005	0.155		0.005	<0.05	<0.005
9289	NETHERLAND01	04/17/89	7:20	17.8	8.1	9.4	1430									
9290	NETHERLAND02	04/17/89	7:06	18.1	7.8	8.4	1200									
9291	PESCADER001	04/17/89	11:06	20.4	7.7	9.7	1810									
9292	PESCADER002	04/17/89	11:19	19.9	7.8	9.0	1690									
9293	PESCADER003	04/17/89	11:31	19.1	7.6	9.3	1680									
9294	PESCADER004	04/17/89	11:47	20.5	8.8	9.9	1650									
9295	PIERSONPP01	04/17/89	6:38	17.1	7.0	7.2	540									
9061	POTNODE252	01/11/89	9:15	6.3	8.0		265									
9081	POTNODE252	01/18/89	9:45	7.4	6.8	11.4	264									
9106	POTNODE252	01/26/89	9:16	7.7	7.5	11.3	309									
9119	POTNODE252	02/02/89	9:15	8.2	7.4	10.5	458									
9376	POTNODE252	06/01/89	8:35	19.4	7.7	10.1	162									
9389	POTNODE252	06/08/89	8:15	19.9	7.7	9.9	184									
9402	POTNODE252	06/15/89	7:20	21.3	7.9	9.4	183									
9415	POTNODE252	06/19/89	7:20	20.8	7.7	8.7	188									
9496	POTNODE252	07/06/89	9:15	23.7	7.1	8.5	150									
9509	POTNODE252	07/13/89	7:11	22.0	7.4	8.4	174									
9522	POTNODE252	07/20/89	7:40	23.2	7.6	8.7	178									
9535	POTNODE252	07/27/89	7:26	22.4	7.8	8.8	142									
9143	RINDGEPP01	02/06/89	11:15	6.5	7.4	5.8	1470									
9297	RINDGEPP01	04/17/89	9:49	21.2	7.3	3.3	1680									
9144	RINDGEPP02	02/06/89	10:50	4.4	7.8	9.4	1260									
9298	RINDGEPP02	04/17/89	9:21	18.9	7.6	7.3	465									
9141	RIOBLANC001	02/06/89	10:25	3.8	8.9	11.7	1010									
9299	RIOBLANC001	04/17/89	8:49	17.8	7.6	5.4	1240									
9142	RIOBLANC002	02/06/89	10:10	3.4	8.6	11.5	1060									
9300	RIOBLANC002	04/17/89	8:35	18.3	7.6	5.0	806									
9301	ROBINSON 01	04/17/89	9:58	17.5	7.4	3.5	397									
9551	ROCKSL	07/05/89	11:30	25.4	7.6	7.9	284									
9620	ROCKSL	09/06/89	9:45	22.9	7.2	8.8	552									
9640	ROCKSL	10/02/89	7:09	20.3	7.6	10.8	520									
9666	ROCKSL	11/07/89	11:15	15.7	7.8	8.9	638									
9688	ROCKSL	12/05/89	11:00	12.9	7.7		810									
9557	SACRRIOVISTA	07/11/89	7:40	21.8	6.9	8.8	154									
9675	SACRRIOVISTA	11/14/89	12:15	14.6	7.7	9.2	264									
9137	SHIMATR	02/06/89	8:32	3.1	9.4	11.6	673									
9303	SHIMATR	04/17/89	6:45	17.9	7.3	4.4	663									
9304	TERMPP01	04/17/89	9:21	18.9	7.7	8.6	480									
9305	TERMPP02	04/17/89	9:06	18.8	7.5	7.8	704									
9420	UJONESSIPH01	06/19/89	7:52	21.2	7.4	2.4	279									
9514	UJONESSIPH01	07/14/89	9:24	23.3	7.4	4.1	239									

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MINOR ELEMENTS DATA REPORT

LAB#	STA. NAME	SAMP.DATE	TIME	TEMP oC	PH	DO mg/L	EC uS/cm	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
9395	UJONESSIPH02	06/08/89	7:29	19.3	7.3	4.5	252									
9408	UJONESSIPH02	06/15/89	7:45	23.2	7.2	3.5	266									
9306	UPEGBERTPP01	04/17/89	8:27	17.9	7.7	7.5	580									
9307	UPEGBERTPP02	04/17/89	8:47	17.6	7.4	6.2	701									
9308	UPEGBERTPP03	04/17/89	8:58	17.3	7.6	6.6	586									
9070	UPJONESPP02	01/11/89	9:00	5.7		9.5	745									
9087	UPJONESPP02	01/18/89	9:20	7.1	6.7	8.7	795									
9112	UPJONESPP02	01/26/89	9:02	9.2		6.5	958									
9125	UPJONESPP02	02/03/89	8:58	9.8	6.7	9.1	1070									
9310	UPJONESPP02	04/17/89	9:27	18.4	7.3	4.2	694									
9380	UPJONESPP02	06/01/89	7:12	23.2	7.5	3.6	843									
9393	UPJONESPP02	06/08/89	7:05	18.0	7.6	4.6	688									
9406	UPJONESPP02	06/15/89	7:15	22.3	7.5	4.6	533									
9419	UPJONESPP02	06/19/89	7:17	20.8	7.4	3.5	840									
9500	UPJONESPP02	07/07/89	5:45	23.8	7.0	3.9	532									
9513	UPJONESPP02	07/14/89	9:48	22.9	7.2	4.5	494									
9526	UPJONESPP02	07/21/89	9:47	23.6	5.7	1.9	667									
9539	UPJONESPP02	07/28/89	9:28	21.2	7.3	2.8	539									
8010	VERNALIS	01/07/88	8:05	10.3	7.4	11.1	1080	<1.	1.580	<0.005	<0.005	0.083		<0.005	<0.05	<0.005
8090	VERNALIS	02/10/88	8:30	12.4	7.4	9.8	1320	<1.	0.011	<0.005	<0.005	0.051		0.008	<0.05	<0.005
8144	VERNALIS	03/03/88	7:45	12.3	7.6	10.0	800	<1.	0.014	<0.005	<0.005	0.034		0.020	<0.05	<0.005
8233	VERNALIS	04/05/88	6:40	14.3	7.5	4.3	801	<1.	0.017	<0.005	<0.005	0.045		0.007	<0.05	<0.005
8328	VERNALIS	05/03/88	7:11	16.6	7.8	8.7	802	<1.	0.006	<0.005	<0.005	0.021		<0.005	<0.05	<0.005
8420	VERNALIS	06/14/88	6:35	21.6	7.7	8.3	738	<1.	0.016	<0.005	<0.005	0.039		0.007	<0.05	<0.005
8455	VERNALIS	07/12/88	6:18	22.0	7.8	7.7	954	<1.	0.057	<0.005	0.005	0.037		0.045	<0.05	<0.005
8577	VERNALIS	08/09/88	8:00				846	<1.	0.010	<0.005	<0.005	0.018		0.009	<0.05	<0.005
8681	VERNALIS	09/06/88	6:45	22.2	7.7	6.9	896	<1.	0.018	<0.005	<0.005	0.021		0.005	<0.05	<0.005
8710	VERNALIS	10/04/88	6:58	18.1	8.0	8.0	911	<1.	0.030	<0.005	0.005	0.012		0.012	<0.05	<0.005
8741	VERNALIS	11/01/88	8:15	15.3	7.3	8.9										
8740	VERNALIS	11/01/88	8:15	15.3	7.3	8.9	857	<1.	0.012	<0.005	<0.005	0.033		0.017	<0.05	<0.005
8811	VERNALIS	12/13/88	8:25	10.2	7.2	10.0	869	<1.	0.023	<0.005	<0.005	0.048		0.009	<0.05	<0.005
9052	VERNALIS	01/10/89	7:45	9.2	7.2	9.1	1080	<1.	0.045	<0.005	<0.005	0.032		<0.005	<0.05	<0.005
9130	VERNALIS	02/07/89	7:45	5.6	7.1	11.1	1270	<1.	0.014	<0.005	<0.005	0.076		<0.005	<0.05	<0.005
9211	VERNALIS	03/07/89	7:30	14.4	7.3	8.5	836	<1.	0.021	<0.005	<0.005	0.030		0.010	<0.05	<0.005
9246	VERNALIS	04/04/89	7:13	15.5	8.3	7.7	825	<1.	0.012	<0.005	<0.005	0.042		0.022	<0.05	<0.005
9344	VERNALIS	05/02/89	7:15	18.5	7.3	7.8	715	<1.	0.022	<0.005	<0.005	0.023		0.007	<0.05	<0.005
9426	VERNALIS	06/06/89	6:50	19.6	7.3	8.0	649	<1.	0.013	<0.005	<0.005	0.033		0.013	<0.05	<0.005
9546	VERNALIS	07/05/89	8:25	21.9	7.7	8.1	671	<1.	<0.005	<0.005	<0.005	<0.005		0.007	<0.05	<0.005
9601	VERNALIS	08/03/89	7:10	21.4	8.2	8.8	770	<1.	0.020	<0.005	<0.005	0.032		<0.005	<0.05	<0.005
9615	VERNALIS	09/06/89	7:13	21.1	7.7	8.4	845	<1.	0.019	<0.005	<0.005	0.025		0.006	<0.05	<0.005
9635	VERNALIS	10/02/89	9:25	20.0	7.1	9.2	830	<1.	0.021	<0.005	<0.005	0.028		<0.005	<0.05	<0.005
9661	VERNALIS	11/07/89	7:20	13.4	7.3	8.5	862	<1.	0.007	<0.005	<0.005	0.045		0.016	<0.05	<0.005
9683	VERNALIS	12/05/89	7:30	9.7	7.9		978	<1.	0.014	<0.005	<0.005	0.036		0.005	<0.05	<0.005

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