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National Uranium Resource Evaluation

URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE OF THE MT. HAYES NTMS QUADRANGLE, ALASKA

Data Compiled by

Bendix Field Engineering Corporation
Grand Junction, Colorado

Data Collection and Laboratory Analysis by

Los Alamos National Laboratory
Los Alamos, New Mexico

May 1981

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Grand Junction Office, Colorado

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This report is a result of work performed as part of the National Uranium Resource Evaluation. NURE is a program of the U.S. Department of Energy's Grand Junction, Colorado, Office to acquire and compile geologic and other information with which to assess the magnitude and distribution of uranium resources and to determine areas favorable for the occurrence of uranium in the United States.

URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE
OF THE
MT. HAYES NTMS QUADRANGLE, ALASKA

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May 1981

PREPARED FOR THE U.S. DEPARTMENT OF ENERGY
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ABSTRACT

This report presents results of a Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) of the Mt. Hayes NTMS quadrangle, Alaska. In addition to this abbreviated data release, more complete data are available to the public in machine-readable form through the Grand Junction Office Information System (GJOIS) at Oak Ridge National Laboratory (ORNL). Inquiries regarding the machine-readable data should be directed to:

GJOIS Project
UCC-ND Computing Applications Department
4500 North Building
Oak Ridge National Laboratory
P.O. Box X
Oak Ridge, TN 37830

Presented in this data release are location data, field analyses, and laboratory analyses of several different sample media. For the sake of brevity, many field site observations have not been included in this volume. These data are, however, available on the magnetic tape. Appendices A to D describe the sample media and summarize the analytical results for each medium. The data were subsetted by one of the Los Alamos National Laboratory (LANL) sorting programs of Zinkl and others (1981a) into groups of stream sediment, lake sediment, stream water, lake water, and ground water samples. For each group which contains a sufficient number of observations, statistical tables, tables of raw data, and 1:1000000 scale maps of pertinent elements have been included in this report. In addition, maps showing results of multivariate statistical analyses have been included.

The Mt. Hayes NTMS quadrangle hydrogeochemical reconnaissance was performed by the LANL, under contract to the Grand Junction Office of the United States Department of Energy (DOE), as part of the National Uranium Resource Evaluation (NURE) program. LANL was responsible for conducting the HSSR program in the states of New Mexico, Colorado, Wyoming, Montana, and Alaska. This data release was prepared by the Bendix Field Engineering Corporation in order to make the data available to members of the public who wish to make use of the information, but who do not have access to computing facilities.

Further information about the HSSR program in general, or about the LANL portion of the program in particular, can be obtained in quarterly or semiannual program progress reports on open-file at DOE's Technical Library in Grand Junction. Inquiries should be directed to:

Technical Library
Bendix Field Engineering Corporation
P.O. Box 1569
Grand Junction, CO 81502

Information about the field and analytical procedures used by LANL during sample collection and analysis may be found in any HSSR data release prepared by the LANL (see, for example, Planner and others, 1981), and will not be included in this report.

RESULTS

Population statistics for stream sediments are given in Table 1 (page 7) and for lake sediments in Table 2 (page 11). These tables contain statistics such as mean, standard deviation, skewness, and kurtosis for two different populations: the total population and a population consisting of only those analyses that are above the detection limit (ADL) for each element. In addition, data are provided for each variable for the total number of samples possessing analyses, the number of analyses above the detection limit (NADL), the number of analyses below the detection limit (NBDL), and the number of missing analyses (MISS). The maximum value obtained for each measurement is listed as well as the minimum value for above detection limit analyses and the maximum detection limit obtained. Variable detection limits account for the fact that the detection limit is sometimes greater than the minimum above detection limit value.

Maps of elemental concentrations, ratios, factor scores, and residuals were prepared by a computer program which represents data values in their correct latitude-longitude positions by symbols which vary in size and intensity in proportion to the value being plotted (Zirkel and others, 1981b). Maps of uranium concentrations in stream sediment, lake sediment, stream water, and lake water are presented as Plates 1, 5, 9, and 12, respectively. Thorium concentrations in stream and lake sediment samples and thorium-to-uranium ratios of stream and lake sediment samples are plotted in Plates 2, 6, 3, and 7. Plates 10 and 13 show uranium concentrations in stream and lake water after normalization for total dissolved solids content. Locations of stream sediment, lake sediment, stream water, and lake water samples are shown in Plates 4, 8, 11, and 14.

In addition to the full-sized plates, several page-sized maps and figures are included to assist in interpretation of the data. Scatter plots of uranium versus thorium in stream sediments and lake sediments are shown in Figures 1 and 4. These plots may be used to identify groups of samples which differ significantly from normal crustal Th/U ratios. Deviations from normal ratios may indicate areas showing uranium enrichment or depletion. Similarly, linear regressions have been calculated (Tables 3 and 4) and plotted (Figures 7 and 8) for uranium versus conductivity. These regression analyses may indicate those samples in which a high uranium content is present simply as a result of large amounts of total solids dissolved in the water.

Maps of other elements which may be of value in uranium exploration are included, when analyzed for by LANL. Figures 2, 3, 5, and 6 show vanadium in stream sediments, copper in stream sediments, vanadium in lake sediments, and copper in lake sediments, respectively.

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Table 1. Population Statistics for Stream Sediment Data

POPULATION STATISTICS

POPULATION STATISTICS						POPULATION STATISTICS						POPULATION STATISTICS					
NO.	DATE	TIME	WIND	WAVE	WAVE	NO.	DATE	TIME	WIND	WAVE	WAVE	NO.	DATE	TIME	WIND	WAVE	WAVE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
13	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
14	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
16	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
18	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
24	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
28	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
29	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
32	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
33	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
34	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
35	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
36	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
37	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
38	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
39	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
40	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
41	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
42	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
43	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
44	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
45	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
46	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
47	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

NUMBER OF SAMPLES = 362

MT. HAYES STREAM SEDIMENTS

Figure 1. Uranium versus Thorium, Stream Sediments

MT HAYES, AK: V (PPM) IN STREAM SEDIMENTS

Figure 2. Vanadium (ppm) in Stream Sediments

MT HAYES, AK: CU (PPM) IN STREAM SEDIMENTS

Figure 3. Copper (ppm) in Stream Sediments

Table 2. Population Statistics for Lake Sediment Data

W. HAYES LAKE SEDIMENTS					FOR TOTAL ANALYSES				FOR ABOVE DETECTION LIMIT ANALYSES						
WAD	TOTAL	NADE	NADE	MISS	MEAN	STD. DEV.	SKEWNESS	KURTOSIS	MEAN	STD. DEV.	SKEWNESS	KURTOSIS	MAXIMUM	MIN(ADL)	DET. LIM.
1 PH	544	544	0	1	7.48	.81	-1.16	3.17	7.48	.81	-1.16	3.17	9.90	4.50	99999.00
2 MU	543	543	0	4	50.41	72.92	4.04	27.29	50.41	72.92	4.04	27.29	730.00	1.00	99999.00
3 UR	7	7	0	540	6.00	3.78	.95	3.36	6.00	3.78	.95	3.36	14.00	1.00	99999.00
4 H	547	547	0	0	3.12	3.14	7.83	98.54	3.12	3.14	7.83	98.54	49.35	.29	99999.00
5 AG	417	1	416	130	2.51	.12	20.35	415.00	5.00	0.00	0.00	0.00	5.00	5.00	
6 HF	417	27	390	130	2.77	1.19	5.84	43.51	6.63	2.42	1.85	5.48	14.00	5.00	5.00
7 CD	417	2	415	130	2.52	.39	18.00	340.09	7.50	2.50	0.00	1.00	10.00	5.00	5.00
8 CD	417	416	1	130	48.97	26.96	3.59	25.10	49.07	26.91	3.62	25.29	282.00	11.00	10.00
9 NB	417	2	415	130	10.11	1.70	18.00	340.09	32.00	11.00	0.00	1.00	43.00	21.00	20.00
10 NI	417	363	54	130	41.13	55.11	3.58	79.35	46.14	57.41	7.45	74.75	690.00	15.00	15.00
11 FR	417	259	158	130	8.34	8.28	3.89	27.71	11.90	8.77	4.16	27.54	86.00	5.00	5.00
12 SN	417	6	411	130	5.27	3.49	17.31	323.52	24.00	22.14	1.57	3.76	72.00	10.00	10.00
13 W	417	6	411	130	7.66	1.35	8.84	82.91	18.50	2.57	.50	1.47	22.00	16.00	15.00
14 HF	537	330	207	10	1.54	1.08	.67	2.41	2.18	.89	.36	2.76	5.00	1.00	1.00
15 LI	537	537	0	10	18.27	12.41	1.42	7.26	18.27	12.41	1.42	7.26	97.00	1.00	99999.00
16 AI	547	546	1	0	60722.05	18375.27	-4.8	3.25	60823.83	18237.40	-4.46	3.21	128900.00	6329.00	10300.00
17 AH	546	0	546	1	.07	.03	4.87	43.80	0.00	0.00	0.00	0.00	.07	.07	.13
18 BF	547	449	48	0	733.12	374.37	1.34	10.56	788.82	340.35	2.01	14.44	3765.00	253.00	235.00
19 AC	547	505	42	0	17645.23	9476.19	.59	3.96	19023.94	8510.98	1.01	4.56	56800.00	3922.00	1338.00
20 AC	546	515	21	1	54.07	29.97	1.31	7.83	57.01	28.27	1.66	9.18	256.00	14.00	11.00
21 AC	547	712	335	0	196.91	238.54	3.47	21.38	406.72	272.02	3.45	17.95	2127.00	127.00	136.00
22 AC	546	520	26	1	14.90	9.32	4.44	49.06	15.58	9.04	5.06	56.52	132.00	3.70	2.00
23 AC	546	526	20	1	135.66	234.70	9.90	140.84	140.44	237.81	9.82	137.91	3975.00	22.00	19.00
24 AC	546	76	470	1	1.84	1.50	3.27	16.43	4.97	1.95	1.72	7.50	13.70	1.80	2.20
25 AD	547	513	34	0	4.18	1.56	.21	5.06	4.39	1.35	.91	6.12	13.00	1.00	1.00
26 EU	546	493	53	1	1.02	.41	.31	7.86	1.10	.33	1.45	14.66	4.00	.30	.30
27 FE	546	546	0	1	33.049	20698.91	4.25	35.45	33210.49	20698.91	4.25	35.45	233400.00	6873.00	99999.00
28 HF	546	440	106	1	4.76	3.72	5.01	51.52	5.67	3.58	6.48	67.11	49.00	1.70	1.40
29 F	547	432	115	0	12382.13	7512.44	.75	4.54	14950.15	6222.45	1.46	6.95	50960.00	5044.00	3536.00
30 IA	546	362	184	1	21.82	16.43	.99	4.86	30.20	13.82	1.43	7.63	112.00	7.00	10.00
31 IU	546	375	171	1	.25	.14	.23	2.48	.32	.10	.74	4.38	.80	.10	.20
32 MG	547	524	23	0	9958.54	4990.61	1.28	6.44	10304.48	4797.53	1.50	7.01	36230.00	1719.00	15350.00
33 MN	547	547	0	0	621.82	801.28	14.81	272.82	621.82	801.28	14.81	272.82	16230.00	143.00	99999.00
34 NA	547	547	0	0	12455.05	5038.51	.20	2.47	12455.05	5038.51	.20	2.47	28560.00	584.00	99999.00
35 NB	546	66	480	1	36.80	30.37	2.77	10.72	109.86	31.01	1.09	4.39	217.00	67.00	41.00
36 SR	546	20	526	1	2.04	1.23	4.73	35.44	6.50	2.46	2.06	7.51	15.00	4.00	4.00
37 SC	546	546	0	1	14.69	5.73	.62	4.14	14.69	5.73	.62	4.14	41.40	1.50	99999.00
38 SM	546	499	47	1	4.07	2.04	1.12	7.58	4.39	1.84	1.77	10.58	18.30	1.00	1.00
39 SR	541	16	525	6	169.93	69.87	4.28	25.41	510.38	96.45	.15	2.01	700.00	365.00	278.00
40 TA	546	1	545	1	1.03	.53	5.04	53.03	2.00	0.00	0.00	0.00	2.00	2.00	1.00
41 TB	540	9	531	7	.52	.14	6.03	77.81	1.11	.31	2.47	7.13	2.00	1.00	1.00
42 TH	546	483	63	1	7.40	5.28	1.76	10.18	6.24	5.04	2.06	11.96	47.80	1.80	2.10
43 TI	547	525	22	0	3981.18	1432.56	-2.23	4.01	4110.31	1297.51	.08	4.23	11280.00	1153.00	8294.00
44 V	547	543	4	0	113.42	50.80	1.16	6.99	114.07	50.41	1.20	7.13	462.00	12.00	82.00
45 YH	546	195	351	1	2.27	1.47	1.21	3.82	3.45	1.11	.92	5.01	9.30	1.60	3.70
46 ZH	528	258	270	19	109.38	86.31	1.26	5.26	178.14	73.73	1.51	7.55	552.00	52.00	47.00
47 TH	483	483	0	64	2.73	.40	.11	3.26	2.73	.90	.11	3.26	6.25	.12	99999.00

MT. HAYES LAKE SEDIMENTS

Figure 4. Uranium versus Thorium, Lake Sediments

MT HAYES, AK: V (PPM) IN LAKE SEDIMENTS

Figure 5. Vanadium (ppm) in Lake Sediments

MT HAYES, AK: CU (PPM) IN LAKE SEDIMENTS

Figure 6. Copper (ppm) in Lake Sediments

MT. HAYES STREAM WATER

Figure 7. Natural Logarithm Uranium versus Natural Logarithm Conductivity in Stream Water

Table 3. Regression Parameters, Uranium versus Conductivity, Stream Water

MT. HAYES STREAM WATER

SLOPE: .29602

INTERCEPT: -1.21492

CORRELATION COEFFICIENT: .24927

COEFFICIENT OF VARIATION: .06214

COVARIANCE: .51652

TOTAL SUM OF SQUARES: 993.24840

RESIDUAL SUM OF SQUARES: 327.74474

REGRESSION SUM OF SQUARES: 66.50366

STANDARD ERROR OF R: .06034

PROBABILITY THAT SLOPE IS NOT UNITY: 1.00000

PROBABILITY THAT CORRELATION COEFFICIENT IS NON-ZERO: 1.00000

FOR 365 OBSERVATIONS (363 DEGREES OF FREEDOM)

MT. HAYES LAKE WATER

Figure 8. Natural Logarithm Uranium versus Natural Logarithm Conductivity
in Lake Water

Table 4. Regression Parameters, Uranium versus Conductivity, Lake Water

MT. HAYES LAKE WATER

SLOPE: .15747

INTERCEPT: -2.17124

CORRELATION COEFFICIENT: .12223

COEFFICIENT OF VARIATION: .01425

COVARIANCE: .23264

TOTAL SUM OF SQUARES: 1728.47372

RESIDUAL SUM OF SQUARES: 1702.92522

REGRESSION SUM OF SQUARES: 25.54846

STANDARD ERROR OF B: .04842

PROBABILITY THAT SLOPE IS NOT UNITY: 1.00000

PROBABILITY THAT CORRELATION COEFFICIENT IS NON-ZERO: .00042

FOR 487 OBSERVATIONS (485 DEGREES OF FREEDOM)

MULTIVARIATE STATISTICAL ANALYSES

Stream-sediment and lake-sediment analyses were edited by the FACEDT computer program (Shettel and others, 1980) in preparation for multivariate statistical analyses, by eliminating samples and variables with insufficient data. Information contained in the stream-sediment and lake-sediment data sets before and after editing are shown in Tables 5 through 8. The edited data sets are logarithmically transformed prior to the application of statistical methods.

R-mode factor analysis (Tables 9 and 10) was performed on the transformed edited sediment data. R-mode compares variables over the range of samples; Q-mode compares samples using the variables. Factor analysis attempts to show the geochemical relationships that exist in the data by reducing the dimensionality of the multivariate observations (i.e., by grouping variables that are highly correlated into "factors"). In the sediment data, uranium typically loads with Ce, La, Fe, Mn, V, and Sc, which is characteristic of monazite, zircon, the magnetite-ilmenite suite, and the iron-manganese oxides families of minerals. Results of factor analysis of ground-water data usually show uranium loading with the major ions, confirming the relationship between uranium and specific conductance.

Because of the high degree of correlation between uranium and those elements associated with resistate minerals, step-wise multiple regression (Tables 11 and 12) was employed to "correct" the raw uranium value for that which is present in heavy or resistate minerals. A map of the regression residuals shows those areas where uranium cannot be explained by the occurrence of resistate or heavy minerals (high positive residuals). This technique enhances anomalous samples by suppressing background populations resulting from resistate or heavy minerals. Factor score and residual maps are shown in Figures 9 through 16.

Table 5. Stream Sediment Data (Continued)

Site	Depth (m)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	Organic (%)
1.04	10	5.75	0	0.00	0.00	0.00
2.04	10	3.31	0	0.00	0.00	0.00
3.04	10	22.00	0	0.00	0.00	0.00
4.04	10	0.00	0	0.00	0.00	0.00
5.04	10	0.00	0	0.00	0.00	0.00
6.04	10	0.00	0	0.00	0.00	0.00
7.04	10	0.00	0	0.00	0.00	0.00
8.04	10	0.00	0	0.00	0.00	0.00
9.04	10	0.00	0	0.00	0.00	0.00
10.04	10	0.00	0	0.00	0.00	0.00
11.04	10	0.00	0	0.00	0.00	0.00
12.04	10	0.00	0	0.00	0.00	0.00
13.04	10	0.00	0	0.00	0.00	0.00
14.04	10	0.00	0	0.00	0.00	0.00
15.04	10	0.00	0	0.00	0.00	0.00
16.04	10	0.00	0	0.00	0.00	0.00
17.04	10	0.00	0	0.00	0.00	0.00
18.04	10	0.00	0	0.00	0.00	0.00
19.04	10	0.00	0	0.00	0.00	0.00
20.04	10	0.00	0	0.00	0.00	0.00
21.04	10	0.00	0	0.00	0.00	0.00
22.04	10	0.00	0	0.00	0.00	0.00
23.04	10	0.00	0	0.00	0.00	0.00
24.04	10	0.00	0	0.00	0.00	0.00
25.04	10	0.00	0	0.00	0.00	0.00
26.04	10	0.00	0	0.00	0.00	0.00
27.04	10	0.00	0	0.00	0.00	0.00
28.04	10	0.00	0	0.00	0.00	0.00
29.04	10	0.00	0	0.00	0.00	0.00
30.04	10	0.00	0	0.00	0.00	0.00
31.04	10	0.00	0	0.00	0.00	0.00
32.04	10	0.00	0	0.00	0.00	0.00
33.04	10	0.00	0	0.00	0.00	0.00
34.04	10	0.00	0	0.00	0.00	0.00
35.04	10	0.00	0	0.00	0.00	0.00
36.04	10	0.00	0	0.00	0.00	0.00
37.04	10	0.00	0	0.00	0.00	0.00
38.04	10	0.00	0	0.00	0.00	0.00
39.04	10	0.00	0	0.00	0.00	0.00
40.04	10	0.00	0	0.00	0.00	0.00
41.04	10	0.00	0	0.00	0.00	0.00
42.04	10	0.00	0	0.00	0.00	0.00
43.04	10	0.00	0	0.00	0.00	0.00
44.04	10	0.00	0	0.00	0.00	0.00
45.04	10	0.00	0	0.00	0.00	0.00
46.04	10	0.00	0	0.00	0.00	0.00
47.04	10	0.00	0	0.00	0.00	0.00
48.04	10	0.00	0	0.00	0.00	0.00
49.04	10	0.00	0	0.00	0.00	0.00
50.04	10	0.00	0	0.00	0.00	0.00
51.04	10	0.00	0	0.00	0.00	0.00
52.04	10	0.00	0	0.00	0.00	0.00
53.04	10	0.00	0	0.00	0.00	0.00
54.04	10	0.00	0	0.00	0.00	0.00
55.04	10	0.00	0	0.00	0.00	0.00
56.04	10	0.00	0	0.00	0.00	0.00
57.04	10	0.00	0	0.00	0.00	0.00
58.04	10	0.00	0	0.00	0.00	0.00
59.04	10	0.00	0	0.00	0.00	0.00
60.04	10	0.00	0	0.00	0.00	0.00
61.04	10	0.00	0	0.00	0.00	0.00
62.04	10	0.00	0	0.00	0.00	0.00
63.04	10	0.00	0	0.00	0.00	0.00
64.04	10	0.00	0	0.00	0.00	0.00
65.04	10	0.00	0	0.00	0.00	0.00
66.04	10	0.00	0	0.00	0.00	0.00
67.04	10	0.00	0	0.00	0.00	0.00
68.04	10	0.00	0	0.00	0.00	0.00
69.04	10	0.00	0	0.00	0.00	0.00
70.04	10	0.00	0	0.00	0.00	0.00
71.04	10	0.00	0	0.00	0.00	0.00
72.04	10	0.00	0	0.00	0.00	0.00
73.04	10	0.00	0	0.00	0.00	0.00
74.04	10	0.00	0	0.00	0.00	0.00
75.04	10	0.00	0	0.00	0.00	0.00
76.04	10	0.00	0	0.00	0.00	0.00
77.04	10	0.00	0	0.00	0.00	0.00
78.04	10	0.00	0	0.00	0.00	0.00
79.04	10	0.00	0	0.00	0.00	0.00
80.04	10	0.00	0	0.00	0.00	0.00
81.04	10	0.00	0	0.00	0.00	0.00
82.04	10	0.00	0	0.00	0.00	0.00
83.04	10	0.00	0	0.00	0.00	0.00
84.04	10	0.00	0	0.00	0.00	0.00
85.04	10	0.00	0	0.00	0.00	0.00
86.04	10	0.00	0	0.00	0.00	0.00
87.04	10	0.00	0	0.00	0.00	0.00
88.04	10	0.00	0	0.00	0.00	0.00
89.04	10	0.00	0	0.00	0.00	0.00
90.04	10	0.00	0	0.00	0.00	0.00
91.04	10	0.00	0	0.00	0.00	0.00
92.04	10	0.00	0	0.00	0.00	0.00
93.04	10	0.00	0	0.00	0.00	0.00
94.04	10	0.00	0	0.00	0.00	0.00
95.04	10	0.00	0	0.00	0.00	0.00
96.04	10	0.00	0	0.00	0.00	0.00
97.04	10	0.00	0	0.00	0.00	0.00
98.04	10	0.00	0	0.00	0.00	0.00
99.04	10	0.00	0	0.00	0.00	0.00
100.04	10	0.00	0	0.00	0.00	0.00

TOTAL NUMBER OF SAMPLES = 340

Table 6. Stream Sediment Data After Editing

MT LAKE SUPERIOR SEDIMENTS

VAL	LOCATION	DATE	TIME	MEAN	STD DEV
1	PA	0	0.00	7.78	.81
2	PA	0	0.00	107.32	84.40
3	PA	0	0.00	4.04	2.42
4	PA	0	0.00	42.14	53.23
5	PA	0	0.00	11.50	77.02
6	PA	0	0.00	22.30	12.00
7	PA	0	0.00	5.22	1.00
8	PA	0	0.00	22.62	11.72
9	PA	0	0.00	67503.52	14137.23
10	PA	0	0.00	2.44	429.24
11	PA	0	0.00	.35	12710.85
12	PA	0	0.00	22.17	44.04
13	PA	0	0.00	22.01	2.24
14	PA	0	0.00	181.04	345.57
15	PA	0	0.00	.35	2.03
16	PA	0	0.00	0.00	.40
17	PA	0	0.00	57535.00	14325.02
18	PA	0	0.00	0.40	4.04
19	PA	0	0.00	4.7	0022.25
20	PA	0	0.00	5.57	21.22
21	PA	0	0.00	2.00	.17
22	PA	0	0.00	2.00	12026.44
23	PA	0	0.00	2.00	7525.57
24	PA	0	0.00	2.00	225.24
25	PA	0	0.00	2.00	245.43
26	PA	0	0.00	2.00	14454.55
27	PA	0	0.00	2.00	4015.22
28	PA	0	0.00	2.00	6.32
29	PA	0	0.00	2.00	2.04
30	PA	0	0.00	2.00	8.21
31	PA	0	0.00	2.00	12.32
32	PA	0	0.00	2.00	2402.25
33	PA	0	0.00	2.00	67.77
34	PA	0	0.00	2.00	47.77
35	PA	0	0.00	2.00	2.02
36	PA	0	0.00	2.00	2.02
37	PA	0	0.00	2.00	2.02
38	PA	0	0.00	2.00	2.02
39	PA	0	0.00	2.00	2.02
40	PA	0	0.00	2.00	2.02
41	PA	0	0.00	2.00	2.02
42	PA	0	0.00	2.00	2.02
43	PA	0	0.00	2.00	2.02
44	PA	0	0.00	2.00	2.02
45	PA	0	0.00	2.00	2.02
46	PA	0	0.00	2.00	2.02
47	PA	0	0.00	2.00	2.02
48	PA	0	0.00	2.00	2.02
49	PA	0	0.00	2.00	2.02
50	PA	0	0.00	2.00	2.02
51	PA	0	0.00	2.00	2.02
52	PA	0	0.00	2.00	2.02
53	PA	0	0.00	2.00	2.02
54	PA	0	0.00	2.00	2.02
55	PA	0	0.00	2.00	2.02
56	PA	0	0.00	2.00	2.02
57	PA	0	0.00	2.00	2.02
58	PA	0	0.00	2.00	2.02
59	PA	0	0.00	2.00	2.02
60	PA	0	0.00	2.00	2.02
61	PA	0	0.00	2.00	2.02
62	PA	0	0.00	2.00	2.02
63	PA	0	0.00	2.00	2.02
64	PA	0	0.00	2.00	2.02
65	PA	0	0.00	2.00	2.02
66	PA	0	0.00	2.00	2.02
67	PA	0	0.00	2.00	2.02
68	PA	0	0.00	2.00	2.02
69	PA	0	0.00	2.00	2.02
70	PA	0	0.00	2.00	2.02
71	PA	0	0.00	2.00	2.02
72	PA	0	0.00	2.00	2.02
73	PA	0	0.00	2.00	2.02
74	PA	0	0.00	2.00	2.02
75	PA	0	0.00	2.00	2.02
76	PA	0	0.00	2.00	2.02
77	PA	0	0.00	2.00	2.02
78	PA	0	0.00	2.00	2.02
79	PA	0	0.00	2.00	2.02
80	PA	0	0.00	2.00	2.02
81	PA	0	0.00	2.00	2.02
82	PA	0	0.00	2.00	2.02
83	PA	0	0.00	2.00	2.02
84	PA	0	0.00	2.00	2.02
85	PA	0	0.00	2.00	2.02
86	PA	0	0.00	2.00	2.02
87	PA	0	0.00	2.00	2.02
88	PA	0	0.00	2.00	2.02
89	PA	0	0.00	2.00	2.02
90	PA	0	0.00	2.00	2.02
91	PA	0	0.00	2.00	2.02
92	PA	0	0.00	2.00	2.02
93	PA	0	0.00	2.00	2.02
94	PA	0	0.00	2.00	2.02
95	PA	0	0.00	2.00	2.02
96	PA	0	0.00	2.00	2.02
97	PA	0	0.00	2.00	2.02
98	PA	0	0.00	2.00	2.02
99	PA	0	0.00	2.00	2.02
100	PA	0	0.00	2.00	2.02

TOTAL NUMBER OF SAMPLES = 227

Table 7. Lake Sediment Data Before Editing

LAKE SEDIMENT DATA BEFORE EDITING						
VAD	MISSING	MEAN	STD	MEAN	STD	STD
1 PH	3	22.77	0	22.77	22.77	22.77
2 PH	4	22.77	0	22.77	22.77	22.77
3 PH	540	22.77	0	22.77	22.77	22.77
4 PH	0	22.77	0	22.77	22.77	22.77
5 AG	130	22.77	414	74.05	22.77	22.77
6 PH	130	22.77	320	71.21	22.77	22.77
7 PH	130	22.77	414	74.05	22.77	22.77
8 PH	130	22.77	0	22.77	22.77	22.77
9 PH	130	22.77	414	74.05	22.77	22.77
10 PH	130	22.77	414	74.05	22.77	22.77
11 PH	130	22.77	150	22.77	22.77	22.77
12 PH	130	22.77	414	74.05	22.77	22.77
13 PH	130	22.77	414	74.05	22.77	22.77
14 PH	1	22.77	22.77	22.77	22.77	22.77
15 PH	10	22.77	0	22.77	22.77	22.77
16 AL	0	22.77	1	22.77	22.77	22.77
17 PH	1	22.77	414	74.05	22.77	22.77
18 PH	0	22.77	414	74.05	22.77	22.77
19 PH	0	22.77	414	74.05	22.77	22.77
20 PH	1	22.77	414	74.05	22.77	22.77
21 PH	0	22.77	414	74.05	22.77	22.77
22 PH	1	22.77	24	22.77	22.77	22.77
23 PH	1	22.77	24	22.77	22.77	22.77
24 PH	1	22.77	470	22.77	22.77	22.77
25 PH	0	22.77	34	22.77	22.77	22.77
26 PH	1	22.77	414	74.05	22.77	22.77
27 PH	1	22.77	0	22.77	22.77	22.77
28 PH	1	22.77	104	22.77	22.77	22.77
29 PH	0	22.77	115	22.77	22.77	22.77
30 PH	1	22.77	124	22.77	22.77	22.77
31 PH	1	22.77	171	22.77	22.77	22.77
32 PH	0	22.77	22	22.77	22.77	22.77
33 PH	0	22.77	0	22.77	22.77	22.77
34 PH	0	22.77	0	22.77	22.77	22.77
35 PH	1	22.77	420	22.77	22.77	22.77
36 PH	1	22.77	424	22.77	22.77	22.77
37 PH	1	22.77	0	22.77	22.77	22.77
38 PH	1	22.77	47	22.77	22.77	22.77
39 PH	0	22.77	520	22.77	22.77	22.77
40 PH	1	22.77	445	22.77	22.77	22.77
41 PH	7	22.77	521	22.77	22.77	22.77
42 PH	1	22.77	47	22.77	22.77	22.77
43 PH	0	22.77	22	22.77	22.77	22.77
44 PH	0	22.77	4	22.77	22.77	22.77
45 PH	1	22.77	381	22.77	22.77	22.77
46 PH	10	22.77	270	22.77	22.77	22.77
47 PH	24	22.77	0	22.77	22.77	22.77

TOTAL NUMBER OF SAMPLES = 547

Table 8. Lake Sediment Data After Editing

MT HAYES LAKE SEDIMENTS						
VARIABLE	# MISSING	#	COL	MEAN	STD DEV	
1 PH	0	0.00	0	0.00	7.45	.83
2 MU	0	0.00	0	0.00	50.61	69.67
3 U	0	0.00	0	0.00	3.37	2.30
4 PE	0	0.00	151	32.42	1.44	1.05
5 LI	0	0.00	0	0.00	13.37	12.32
6 AL	0	0.00	0	0.00	67813.25	16423.35
7 BA	0	0.00	17	2.68	704.52	350.03
8 CA	0	0.00	25	5.41	17910.39	9142.23
9 CE	0	0.00	2	1.73	59.19	22.92
10 CH	0	0.00	11	2.38	15.41	9.31
11 CP	0	0.00	11	2.39	125.25	130.29
12 CY	0	0.00	12	2.60	4.44	1.43
13 FU	0	0.00	23	4.92	1.09	.79
14 FE	0	0.00	0	0.00	33830.31	12055.35
15 UR	0	0.00	55	11.20	5.13	3.20
16 V	0	0.00	61	13.20	13544.90	7254.34
17 LA	0	0.00	120	25.07	24.05	15.43
18 LU	0	0.00	113	24.66	.27	.13
19 MG	0	0.00	10	2.14	10147.36	4546.14
20 MN	0	0.00	0	0.00	602.01	660.56
21 NA	0	0.00	0	0.00	12900.76	4845.00
22 SC	0	0.00	0	0.00	15.24	5.24
23 SM	0	0.00	21	4.55	4.41	1.05
24 TH	0	0.00	0	0.00	9.33	5.10
25 TI	0	0.00	5	1.08	4190.45	1221.52
26 V	0	0.00	2	.43	116.50	49.22
27 ZM	0	0.00	232	50.22	111.34	98.01
28 TU	0	0.00	0	0.00	2.74	.90
TOTAL NUMBER OF SAMPLES = 462						

Table 9. R-mode Factor Analysis of Stream Sediment Data

CORRELATION COEFFICIENTS

	PH	SH	PI	CI	MI	PA	PF	LI	AI	SA	CA	CF	CO	CR	DY
PH	1.000														
SH	.114	1.000													
PI	.065	.100	1.000												
CI	.069	.013	-.516	1.000											
MI	.050	-.636	-.436	.592	1.000										
PA	.186	.237	.594	-.238	-.276	1.000									
PF	-.039	.054	.243	-.112	-.092	.244	1.000								
LI	-.055	.011	.087	.045	.206	-.048	-.002	1.000							
AI	-.039	-.056	.229	-.608	-.056	.208	.273	.130	1.000						
SA	-.099	.133	.432	-.210	-.259	.368	.182	.134	.251	1.000					
CA	-.002	-.005	-.437	.269	.272	-.403	-.098	.276	-.428	-.285	1.000				
CF	.111	.175	.790	-.395	-.366	.263	.281	-.022	.201	.480	-.467	1.000			
CO	.065	.017	-.446	.723	.704	-.265	-.098	.091	-.017	-.204	.306	-.236	1.000		
CR	-.051	.006	-.456	.516	.741	-.799	-.116	.103	-.040	-.257	.310	-.411	.680	1.000	
DY	.113	.129	.597	-.092	-.151	.431	.192	.104	.278	.398	-.403	.753	-.062	-.314	1.000
PH	-.260	.120	.412	.697	.040	.339	.232	.066	.237	.374	-.146	.675	.204	-.125	.728
SH	.077	-.076	-.369	.639	.517	-.273	-.004	.076	.681	-.127	.316	-.171	.669	.468	.022
PI	.092	.198	.732	-.451	-.345	.570	.284	-.106	.115	.331	-.317	.822	-.285	-.378	.596
CI	.003	.144	.670	-.378	-.314	.611	.327	.123	.534	.548	-.603	.695	-.364	-.407	.545
MI	.110	.213	.754	-.403	-.254	.534	.279	.066	.201	.430	-.414	.875	-.295	-.340	.700
PA	.116	.160	.596	-.166	-.136	.457	.259	.077	.268	.235	-.244	.648	-.122	-.250	.656
PF	.012	-.076	-.475	.582	.641	-.369	.012	.289	.054	-.159	.485	-.370	.730	.698	-.185
LI	.036	-.005	-.297	.435	.392	-.271	-.094	.213	-.021	-.204	.390	-.232	.665	.369	-.104
AI	-.033	-.142	-.156	-.117	-.162	-.168	-.068	.191	.068	-.247	.375	-.347	-.237	-.119	-.257
SA	.077	-.085	-.475	.614	.514	-.364	.042	.148	.229	-.120	.445	-.356	.707	.592	-.119
CA	.066	.124	.553	-.174	-.183	.402	.245	.027	.156	.295	-.267	.673	-.123	-.258	.593
CF	.090	.177	.861	-.548	-.418	.719	.275	-.014	.244	.453	-.535	.919	-.418	-.482	.654
CO	.115	.043	-.071	.312	.241	.038	.016	-.072	.001	.056	.153	.251	.498	.206	.310
CR	-.015	-.063	-.573	.655	.484	-.517	-.015	.184	.026	-.097	.513	-.509	.666	.527	-.239
DY	.037	.171	.530	-.179	-.153	.493	.224	-.013	.111	.247	-.278	.641	-.091	-.262	.551
PH	-.042	-.051	.063	.127	.102	.107	.010	.053	.087	.180	-.008	.034	.078	.055	.106
SH	.162	.202	.304	-.352	-.213	.568	.197	-.146	.164	.283	-.431	.689	-.208	-.307	.444
	PH	SH	PI	CI	MI	PA	PF	LI	AI	SA	SC	SM	TH	TI	V
PH	1.000														
SH	.318	1.000													
PI	.538	-.183	1.000												
CI	.368	-.341	.518	1.000											
MI	.590	-.226	.750	.665	1.000										
PA	.577	.025	.701	.421	.651	1.000									
PF	.083	.063	-.365	-.352	-.308	-.126	1.000								
LI	.123	.749	-.145	-.396	-.289	-.001	.492	1.000							
AI	-.291	-.122	-.171	-.215	-.226	-.066	.043	.049	1.000						
SA	.190	.758	-.316	-.391	-.372	-.037	.782	.593	.094	1.000					
SC	.557	-.023	.575	.414	.606	.570	-.206	-.154	-.214	-.129	1.000				
SM	.480	-.256	.596	.255	.655	.596	-.150	.270	.255	-.534	.555	1.000			
TH	.553	.202	.796	.255	.655	.596	-.150	.270	.255	-.534	.555	.555	1.000		
TI	.553	.202	.796	.255	.655	.596	-.150	.270	.255	-.534	.555	.555	.555	1.000	
V	.553	.202	.796	.255	.655	.596	-.150	.270	.255	-.534	.555	.555	.555	.555	1.000

Table 9. R-mode Factor Analysis of Stream Sediment Data
(continued)

V	.055	.710	-.457	-.440	-.477	-.730	.747	.522	.031	.834	-.254	-.672	.403	1.000	
W	.492	.001	.011	.374	.113	.054	-.209	-.028	-.114	-.141	.566	.607	.261	-.316	1.000
YH	.097	.064	.032	.149	.094	.079	.090	.000	-.043	-.029	.000	.034	.049	.054	.023
TH	.329	-.210	.532	.577	.576	.340	-.314	-.304	-.311	-.342	.380	.747	.114	-.510	.443

	TH	TH
TH	1.000	
TH	-.019	1.000

	1	2	3	4	5
EIGENVALUES	31.13706	2.46074	1.77364	1.72848	1.25352
CUM	.34803	.51798	.57240	.62643	.66566
ELEMENTS		UNROTATED	FACTOR	LOADINGS	
PH	-.07911	-.18102	.16230	-.01451	.04074
MO	-.17552	-.14335	.26540	-.01837	-.44571
II	-.84544	-.07844	-.16775	.09379	-.11838
CU	.00734	-.48174	.09173	-.21665	.03353
VI	.15134	-.48566	.10393	-.27577	-.31818
PS	-.72282	-.12224	.04988	-.12612	-.14446
SI	-.21595	-.19947	-.33611	-.01895	.18229
LI	.06526	-.18534	-.58757	.09143	-.60218
AL	-.23454	-.25431	-.59544	-.29064	.35890
BA	-.48591	-.14720	-.24525	-.26631	-.07846
CA	.61631	-.04552	-.07297	.54729	-.30644
CL	-.87316	-.35962	.10754	.02750	-.03203
CH	.58054	-.04153	.18182	-.15212	-.03502
CR	.63753	-.36779	.08079	-.27395	-.27103
NY	-.67233	-.47932	-.63762	.00881	.01544
FO	-.43582	-.23457	.02592	.08885	.10945
FI	.51466	-.74951	.04962	.64444	.16985
MI	-.80374	-.29824	.11949	.28653	.02360
K	-.77750	-.09544	-.39230	-.37692	-.01643
LA	-.84249	-.31416	-.02348	.03364	-.15419
LU	-.60222	-.47045	-.12482	.29971	.00624
MG	.53343	-.55847	-.19752	-.05327	-.13793
MA	.49642	-.51847	-.01145	.25676	.00200
HA	.20505	.24799	-.52746	.53137	.05702
SC	.60918	-.63273	-.21175	.04732	.19071
SH	-.60531	-.37574	.02177	.14511	.02555
TH	-.95014	-.13270	.03346	-.02934	-.07422
TI	.05055	-.73131	.24632	.23745	.21641
V	.74401	-.44507	-.14067	.00221	.10251
YS	-.61340	-.38122	.04043	.26403	-.04958
ZG	-.05489	-.14841	-.16751	-.31215	-.14603
TH	-.67373	-.14544	.28189	-.17349	.01031

FACTOR ANALYSIS TESTS
 NUMBER OF VARIABLES 29
 NUMBER OF SAMPLES 29

Table 10. R-mode Factor Analysis of Lake Sediment Data

Correlation Coefficients

	PH	SH	U	AI	II	AI	SA	CA	CE	CO	CR	DT	EO	FE	HF
PH	1.000														
SH	.289	1.000													
U	-.024	.369	1.000												
AI	.675	.529	.265	1.000											
II	.657	.522	.328	.114	1.000										
AI	.659	.651	.354	.544	.669	1.000									
SA	-.113	.148	.466	.248	.395	.532	1.000								
CA	.201	.006	-.117	.184	.219	.252	-.152	1.000							
CE	-.086	.174	.674	.412	.303	.496	.543	-.176	1.000						
CO	.158	.123	.138	.309	.449	.535	.306	.312	.150	1.000					
CR	.169	.635	-.105	.266	.351	.391	.009	.337	-.009	.581	1.000				
DT	-.119	.676	.521	.317	.390	.528	.450	-.064	.621	.281	.119	1.000			
EO	.654	.678	.359	.477	.474	.668	.485	.143	.577	.478	.285	.551	1.000		
FE	.162	.849	.086	.401	.498	.532	.257	.341	.167	.750	.527	.298	.514	1.000	
HF	-.677	.671	.463	.517	.364	.553	.426	.635	.700	.167	.137	.513	.550	.171	1.000
K	-.625	.244	.544	.351	.383	.604	.619	-.143	.520	.224	-.020	.514	.486	.138	.566
LA	-.627	.099	.552	.504	.267	.444	.477	-.059	.640	.192	.034	.522	.496	.236	.616
LU	-.643	.655	.405	.508	.349	.559	.357	.104	.551	.368	.281	.473	.570	.405	.562
MG	.228	.632	.008	.426	.576	.676	.208	.544	.087	.609	.619	.231	.467	.668	.263
NI	.206	.664	-.008	.323	.445	.435	.103	.424	.012	.688	.427	.128	.370	.758	.090
NA	-.179	-.105	.031	.482	.527	.714	.101	.614	.124	.369	.404	.186	.413	.427	.365
SC	.171	.662	.132	.496	.548	.748	.302	.422	.277	.698	.691	.421	.615	.729	.364
SM	-.024	.129	.621	.464	.311	.539	.553	-.067	.732	.304	.112	.599	.638	.319	.627
TH	-.149	.244	.733	.285	.191	.354	.566	-.126	.782	.054	-.179	.552	.373	-.016	.571
TI	.085	.615	.262	.519	.587	.811	.386	.298	.447	.479	.491	.500	.594	.428	.594
V	.145	.008	.066	.403	.614	.715	.315	.416	.166	.650	.658	.362	.551	.734	.237
W	-.641	-.628	.133	-.649	.075	.687	.172	-.051	.129	.092	-.046	.116	.121	-.040	.070
YU	-.173	-.119	-.365	.027	-.067	-.601	.137	-.291	.147	-.117	-.101	.040	.018	-.132	.146
	K	LA	LU	MG	NI	NA	SC	SM	TH	TI	V	W	YU		
K	1.000														
LA	.561	1.000													
LU	.431	.559	1.000												
MG	.170	.157	.383	1.000											
NI	.029	.070	.295	.607	1.000										
NA	.158	.196	.364	.700	.447	1.000									
SC	.274	.244	.522	.627	.624	.664	1.000								
SM	.618	.647	.553	.179	.154	.197	.370	1.000							
TH	.683	.674	.434	-.109	-.145	-.137	.030	.477	1.000						
TI	.559	.413	.541	.646	.394	.692	.795	.445	.232	1.000					
V	.188	.290	.403	.811	.560	.620	.514	.262	-.085	.713	1.000				
W	.196	.692	.097	-.021	-.025	-.088	.010	.173	.186	.062	-.013	1.000			
YU	.480	.156	.033	-.162	-.192	-.232	-.142	.675	.358	-.042	-.209	.072	1.000		

Table 10. R-mode Factor Analysis of Lake Sediment Data
(continued)

	FACTOR				
	1	2	3	4	5
EIGENVALUES	10.45043	5.14237	1.54975	1.31735	1.14266
CPV	.37323	.55242	.26133	.22245	.20327
LOADINGS		LOADINGS	LOADINGS		
PH	-.10244	-.29141	-.43846	-.13259	.40063
MO	-.15771	.13424	-.70622	.07844	.27011
II	-.42822	.56561	-.49215	-.18515	-.26061
AF	-.63145	.04156	.12505	-.32996	.32292
LI	-.66456	-.16543	.00002	.17544	-.27341
AI	-.89597	-.04272	.13510	-.04056	-.11877
RA	-.57841	.41206	-.32574	.30159	-.14231
CA	-.28041	-.62222	-.05037	-.34854	-.10446
CE	-.63225	.52077	-.03249	-.09104	.01705
CO	-.65445	-.36767	-.17499	.40024	.06136
CR	-.43500	-.53564	.04205	.13979	.18006
DY	-.64688	.36137	.00650	.08196	-.15507
EU	-.74992	.10954	.05065	.05405	.02135
FI	-.67274	-.41549	-.12889	.28806	.17169
HF	-.65409	.40522	.18644	-.29914	.08711
K	-.60671	.52408	-.04109	.04104	-.03968
LA	-.61438	.49120	.03521	-.13747	.17406
LI	-.70554	.15970	.07120	-.11927	.15894
MG	-.69948	-.56409	.02761	.00269	-.01360
MR	-.53445	-.53352	-.14007	.18844	.11877
NA	-.63269	-.46791	.17325	-.43044	-.11851
SC	-.84605	-.42551	.04843	.06274	-.01360
SM	-.69617	.47170	-.06379	-.01131	.05145
TH	-.44651	.81546	-.05685	.08360	.08148
TI	-.83363	-.13337	.19821	-.15362	-.10198
V	-.75555	-.48867	.04371	.11151	-.10143
ZH	-.09462	.14187	.00984	.37440	-.40344
TO	.04572	.34290	.61264	.37226	.48777

Table 11. Regression Analysis Results. Stream Sediment

PROBLEM 11 HAYES 30 TRANS

STEPWISE REGRESSION CASE 1

DEPENDENT VARIABLE 3

F-LEVEL TO ENTER 5.00000

F-LEVEL TO REMOVE 5.00000

STANDARD ERROR OF Y .51437

STEP NO. 1

ENTERED VARIABLE 27

F-LEVEL 313.18134
STANDARD ERROR OF Y .25240
MULTIPLE CORRELATION .85051
F-SQUARED .74048
DEGREES OF FREEDOM 284
CONSTANT TERM -.12630

VARIABLE	BETA PRIME	BETA	SE(BETA)
27	.86051E+00	.60051E+00	.21058E-01

STEP NO. 2

ENTERED VARIABLE 32

F-LEVEL *****
STANDARD ERROR OF Y .00104
MULTIPLE CORRELATION 1.00000
F-SQUARED 1.00000
DEGREES OF FREEDOM 284
CONSTANT TERM .00008

VARIABLE	BETA PRIME	BETA	SE(BETA)
27	.14330E+01	.10000E+01	.12654E-03
32	-.76433E+00	-.10002E+01	.23479E-03

ANALYSIS OF VARIANCE

TERM	SS	DF	MS
TOTAL	.75669E+02	285	
REG	.75668E+02	2	.37834E+02
ERR	.30733E-03	284	.10822E-05

Table 12. Regression Analysis Results, Lake Sediment

PROBLEM MT LAYES LS TRAN

STEPWISE REGRESSION CASE 1

DEPENDENT VARIABLE 3

F-LEVEL TO ENTER 5.00000

F-LEVEL TO REMOVE 5.00000

STANDARD ERROR OF Y .57139

STEP NO. 1

ENTERED VARIABLE 24

F-LEVEL 553.45023
STANDARD ERROR OF Y .38530
MULTIPLE CORRELATION .73911
R-SQUARED .54628
DEGREES OF FREEDOM 460
CONSTANT TERM -.43330

VARIABLE	BETA PRIME	BETA	SE(BETA)
24	.73911E+00	.74115E+00	.31493E-01

STEP NO. 2

ENTERED VARIABLE 28

F-LEVEL *****
STANDARD ERROR OF Y .00090
MULTIPLE CORRELATION 1.00000
R-SQUARED 1.00000
DEGREES OF FREEDOM 459
CONSTANT TERM .00031

VARIABLE	BETA PRIME	BETA	SE(BETA)
24	.99719E+00	.99995E+00	.26260E-04
28	-.72133E+00	-.10003E+01	.11929E-03

ANALYSIS OF VARIANCE

TERM	SS	DF	MS
TOTAL	.15051E+03	461	
REG	.15051E+03	2	.75256E+02
ERR	.44978E-03	459	.97121E-06

MT HAYES, AK: STREAM SEDIMENT FACTOR SCORE 1

Figure 9. Stream Sediment Factor Score 1

MT HAYES, AK: STREAM SEDIMENT FACTOR SCORE 2

Figure 10. Stream Sediment Factor Score 2

MT HAYES, AK: STREAM SEDIMENT FACTOR SCORE 3

Figure 11. Stream Sediment Factor Score 3

MT HAYES, AK: STREAM SEDIMENT RESIDUALS

Figure 12 Stream Sediment Residuals

MT HAYES, AK: LAKE SEDIMENT FACTOR SCORE 1

Figure 13. Lake Sediment Factor Score 1

MT HAYES, AK: LAKE SEDIMENT FACTOR SCORE 2

Figure 14. Lake Sediment Factor Score 2

MT HAYES, AK: LAKE SEDIMENT FACTOR SCORE 3

Figure 15. Lake Sediment Factor Score 3

MT HAYES, AK: LAKE SEDIMENT RESIDUALS

Figure 16. Lake Sediment Residuals

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Appendix A. Stream Sediment Data

Appendix A. Stream Sediment Data

PT HAYES STREAM SEDIMENTS

PG. ONE - SAMPLE 1

SAMPLE NO.	DATE	TIME	PH	TEMP.	SOLIDS	ORGANIC PPM	CHLORIDE PPM	SILICA PPM	CALCIUM PPM	COPPER PPM	NICKEL PPM	LEAD PPM	ZINC PPM	IRON PPM	UNOBTAINED PPM
410695	03.1722	144.7408	7.	66.	9.	1.62	-5.	-5.	-5.	101.	-20.	72.	7.	-10.	-15.
410697	03.0601	144.8283	8.	171.	4.	1.79	-5.	-5.	-5.	65.	-20.	59.	-5.	-10.	-15.
410698	03.0742	144.7486	6.	66.	3.	1.65	-5.	-5.	-5.	75.	-20.	66.	-5.	-10.	-15.
410699	03.0739	144.9025	7.	173.	-999.	1.79	-5.	-5.	5.	67.	-20.	45.	-5.	-10.	-15.
410700	03.0742	144.8194	10.	117.	-999.	1.65	-5.	-5.	-5.	103.	-20.	71.	-5.	-10.	-15.
410701	03.0739	144.8184	6.	96.	-999.	.59	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410702	03.0150	144.8081	7.	63.	-999.	2.09	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410703	03.0247	144.8350	7.	205.	6.	5.69	-5.	-5.	-5.	86.	-20.	27.	-5.	-10.	-15.
410704	03.0201	144.8214	8.	128.	1.	5.13	-5.	-5.	-5.	72.	-20.	42.	12.	-10.	-15.
410705	03.0207	144.4308	8.	98.	5.	3.20	-5.	-5.	-5.	49.	-20.	57.	6.	-10.	-15.
410707	03.0175	144.3731	6.	83.	-999.	3.41	-5.	-5.	-5.	59.	-20.	65.	10.	-10.	-15.
410708	03.0167	144.3036	5.	30.	2.	3.93	-5.	-5.	-5.	53.	-20.	44.	13.	-10.	-15.
410709	03.0075	144.2053	8.	143.	2.	3.77	-5.	-5.	-5.	62.	-20.	66.	6.	-10.	-15.
410710	03.0106	144.1163	8.	221.	2.	3.33	-5.	-5.	-5.	102.	-20.	62.	20.	-10.	-15.
410711	03.0169	144.1378	8.	143.	2.	3.65	-5.	-5.	-5.	59.	-20.	51.	12.	-10.	-15.
410712	03.0122	144.0297	7.	63.	3.	3.57	-5.	-5.	-5.	70.	-20.	36.	9.	-10.	-15.
410713	03.0153	144.0453	6.	210.	4.	3.42	-5.	-5.	-5.	74.	-20.	50.	8.	-10.	-15.
410714	03.0139	144.2375	-999.	-999.	1.	3.62	-5.	-5.	-5.	-	-20.	59.	10.	-10.	-15.
410715	03.0701	144.1709	7.	31.	1.	2.12	-999.	-999.	-999.	-	-999.	-999.	-999.	-999.	-999.
410716	03.1414	144.1931	8.	65.	-999.	1.25	-5.	-5.	-5.	45.	-20.	120.	-5.	-10.	-15.
411008	03.1408	146.1864	8.	7.	-999.	1.23	-5.	-5.	-5.	278.	-20.	51.	-5.	-10.	-15.
411041	03.2250	146.1269	7.	112.	6.	1.60	-5.	-5.	-5.	105.	-20.	255.	-5.	-10.	-15.
411047	03.2394	146.1294	6.	98.	-999.	2.04	-5.	-5.	-5.	180.	-20.	153.	-5.	-10.	17.
411048	03.2553	146.2414	7.	122.	12.	3.28	-5.	-5.	-5.	107.	-20.	193.	-5.	-10.	20.
411049	03.2608	146.2431	8.	45.	6.	1.10	-5.	-5.	-5.	165.	-20.	89.	-5.	-10.	-15.
411050	03.2428	146.3272	7.	45.	6.	1.82	-5.	-5.	-5.	47.	-20.	36.	-5.	-10.	-15.
411070	03.1167	144.6483	8.	99.	-999.	3.20	-5.	-5.	-5.	83.	-20.	35.	9.	-10.	-15.
411071	03.0989	144.6397	8.	28.	-999.	3.38	-5.	-5.	-5.	89.	-20.	41.	17.	-10.	-15.
411074	03.0617	144.9244	9.	10.	-999.	1.44	-5.	-5.	-5.	86.	-20.	85.	-5.	-10.	-15.
411077	03.0433	144.3267	8.	59.	-999.	2.36	-5.	-5.	-5.	56.	-20.	37.	7.	-10.	-15.
411078	03.0533	144.3014	8.	79.	6.	4.52	-5.	-5.	-5.	58.	-20.	39.	18.	-10.	-15.
411082	03.0809	144.1142	9.	16.	9.	1.46	-5.	-5.	-5.	201.	-20.	102.	-5.	53.	-15.
411083	03.0744	144.1778	8.	80.	6.	1.67	-5.	-5.	-5.	122.	-20.	83.	-5.	13.	23.
411084	03.0744	144.1520	7.	22.	3.	1.51	-5.	-5.	-5.	72.	-20.	70.	-5.	-10.	-15.
411085	03.0706	144.2636	8.	89.	9.	2.67	-5.	-5.	-5.	45.	-20.	61.	4.	-10.	-15.
411086	03.0850	144.2861	8.	144.	9.	2.60	-5.	-5.	-5.	61.	-20.	-15.	-5.	-10.	-15.
411087	03.0961	144.3311	9.	82.	3.	3.13	-5.	-5.	-5.	101.	-20.	36.	8.	-10.	-15.
411092	03.1094	144.3814	7.	6.	3.	1.65	-5.	-5.	-5.	49.	-20.	26.	-5.	-10.	-15.
411093	03.1536	144.5642	8.	82.	6.	1.89	-5.	-5.	-5.	75.	-20.	33.	-5.	-10.	-15.
411097	03.1444	144.1597	7.	114.	6.	.51	-5.	-5.	-5.	100.	-20.	72.	-5.	-10.	-15.
411104	03.1400	144.9444	8.	19.	3.	3.53	-5.	-5.	-5.	63.	-20.	39.	5.	-10.	-15.
411105	03.1478	144.8617	9.	-999.	6.	2.06	-5.	-5.	-5.	57.	-20.	40.	16.	-10.	-15.
411106	03.1442	144.8506	7.	119.	6.	1.76	-5.	-5.	-5.	79.	-20.	110.	-5.	-10.	-15.
411107	03.1422	144.7261	8.	164.	9.	1.54	-5.	-5.	-5.	80.	-20.	78.	-5.	-10.	-15.
411108	03.1497	144.7336	9.	140.	-999.	1.76	-5.	-5.	-5.	96.	-20.	67.	-5.	-10.	-15.
411111	03.1444	144.6376	9.	164.	6.	2.41	-5.	-5.	-5.	115.	-20.	92.	8.	-10.	-15.
411112	03.1019	144.8464	8.	119.	9.	4.75	-5.	-5.	-5.	102.	-20.	82.	7.	-10.	-15.
411115	03.1039	144.5911	9.	64.	6.	1.73	-5.	-5.	-5.	72.	-20.	24.	-5.	-10.	-15.
411116	03.1450	144.3722	8.	62.	6.	1.34	-5.	-5.	-5.	100.	-20.	119.	-5.	-10.	-15.
411118	03.1806	144.3553	8.	62.	6.	1.36	-5.	-5.	-5.	87.	-20.	-15.	-5.	-10.	-15.

DATE	PI	LI	AI	BI	BA	CA	CI	CI	CI	CK	CS	CY	CU	FI	HI	YF	LF
PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER
410894	4.	25.	63330.	-0.	631.	34460.	24.	-99.	31.3	284.	-2.1	3.	1.2	75140.	2.4	10000.	17.
410897	4.	23.	66310.	-0.	615.	33540.	37.	-119.	27.4	267.	-2.2	4.	1.1	55170.	3.6	9228.	17.
410898	5.	24.	64650.	-0.	720.	35720.	35.	-103.	31.7	373.	-1.9	4.	1.3	62480.	3.2	10200.	16.
410899	6.	30.	52230.	-0.	506.	42560.	35.	-99.	50.5	322.	-2.6	4.	1.2	135800.	4.7	-3854.	18.
410900	3.	12.	52470.	-0.	681.	34320.	38.	-94.	41.1	265.	-2.6	3.	1.2	90920.	3.6	9204.	17.
410920	-1.	2.	86610.	-0.	-246.	15250.	-6.	473.	11.0	-11.	-2.1	-2.	-3.	31740.	-1.4	-6467.	-1.
410927	-1.	21.	63720.	-0.	623.	21080.	43.	1254.	4.3	32.	-1.9	3.	.9	15410.	3.0	12720.	20.
410931	5.	21.	47510.	-0.	1745.	35430.	103.	-98.	25.4	194.	-2.1	6.	1.3	92570.	17.3	6796.	49.
410932	4.	34.	51730.	-0.	1432.	34610.	105.	-90.	26.3	133.	5.6	6.	2.0	70030.	10.5	10840.	45.
410935	3.	26.	57540.	-0.	3740.	22400.	50.	-93.	25.0	443.	-1.4	4.	1.7	69010.	7.7	12150.	29.
410937	4.	35.	54100.	-0.	1265.	27450.	106.	-72.	27.6	123.	-2.0	6.	1.7	60860.	8.2	19020.	45.
410938	4.	35.	54360.	-0.	1387.	30640.	134.	-76.	24.5	95.	-1.4	6.	2.0	53930.	8.4	15060.	56.
410939	3.	36.	55760.	-0.	1350.	31640.	104.	-93.	23.8	46.	3.0	7.	1.7	53130.	8.3	17340.	43.
410941	3.	27.	48440.	-0.	1265.	38300.	108.	-63.	35.7	154.	-1.6	6.	1.5	81500.	10.2	12190.	46.
410943	3.	34.	50970.	-0.	1191.	29170.	111.	-88.	20.3	128.	-2.2	6.	1.7	53270.	7.5	17140.	42.
410947	3.	27.	52610.	-0.	1346.	33440.	120.	-81.	22.9	102.	-1.8	6.	1.8	51790.	9.3	14380.	49.
410948	3.	28.	54770.	-0.	1444.	28000.	116.	-104.	24.7	135.	2.8	6.	2.0	56200.	12.8	15930.	54.
410949	3.	32.	57270.	-0.	1176.	21460.	101.	-66.	23.0	108.	3.4	7.	1.7	55170.	7.7	16360.	47.
410949	-1.	35.	70850.	-0.	649.	47173.	22.	-201.	20.0	215.	-4.2	4.	-5.	47530.	-2.3	13540.	-9.
410949	3.	25.	66300.	-0.	545.	40050.	32.	-107.	24.6	772.	-1.6	3.	.9	44530.	3.5	7654.	15.
411006	2.	15.	74550.	-0.	566.	24960.	24.	300.	23.7	113.	-3.2	4.	1.1	47510.	-1.7	7324.	-6.
411041	-1.	41.	58600.	-0.	-266.	33430.	29.	-156.	74.4	772.	-3.6	4.	1.1	63960.	-1.6	-6602.	-7.
411047	-1.	48.	64150.	-0.	862.	31050.	37.	-146.	42.5	416.	4.5	6.	1.0	64740.	-1.4	7651.	11.
411048	-1.	35.	60320.	-0.	419.	26210.	47.	-137.	28.2	1169.	-2.6	4.	1.0	44410.	4.0	-4977.	24.
411049	-1.	20.	55550.	-0.	898.	34660.	33.	-102.	45.1	386.	-2.4	4.	1.4	84650.	3.9	-4354.	18.
411050	-1.	19.	62250.	-0.	800.	17150.	34.	346.	13.7	134.	-2.7	3.	1.1	36100.	3.6	7170.	37.
411070	3.	44.	49570.	-0.	1644.	36150.	71.	-100.	20.0	79.	3.2	6.	1.4	41860.	6.6	10690.	36.
411071	2.	36.	54380.	-0.	1707.	29710.	74.	-95.	20.3	84.	3.7	6.	1.1	46240.	5.5	15210.	35.
411074	2.	25.	63380.	-0.	545.	64060.	31.	-113.	3.5	224.	-1.4	3.	.9	61000.	2.2	7691.	14.
411075	2.	24.	72950.	-0.	884.	28260.	41.	-135.	18.0	113.	-2.4	5.	1.0	48520.	3.7	14640.	19.
411078	3.	33.	72360.	-0.	775.	26960.	84.	-102.	22.7	159.	5.0	5.	1.4	52580.	5.7	14700.	32.
411082	-1.	38.	61860.	-0.	-152.	62460.	26.	-105.	41.4	556.	-2.6	4.	1.0	90710.	2.8	6947.	11.
411083	-1.	44.	67490.	-0.	464.	58410.	34.	-112.	36.1	220.	-2.5	3.	1.1	72216.	-1.3	7304.	16.
411084	2.	25.	66610.	-0.	605.	66080.	34.	-119.	28.2	208.	-1.4	4.	1.2	54470.	3.0	6366.	13.
411085	2.	27.	64270.	-0.	383.	50090.	35.	-85.	22.1	185.	2.4	3.	1.0	49410.	3.5	14150.	20.
411089	3.	18.	58440.	-0.	-213.	47600.	61.	-145.	25.1	-11.	-2.3	6.	1.8	168400.	14.1	18683.	29.
411089	2.	41.	50980.	-0.	1964.	44560.	72.	-87.	26.7	68.	4.3	5.	1.8	54320.	5.8	9797.	37.
411092	-1.	31.	67580.	-0.	655.	25970.	31.	332.	15.1	129.	-2.1	3.	.8	40120.	3.5	9642.	16.
411093	-1.	36.	76030.	-0.	565.	36720.	37.	-116.	27.1	259.	-2.2	4.	1.2	76400.	6.0	14980.	15.
411097	3.	10.	42040.	-0.	232.	69160.	-6.	-111.	55.7	461.	-2.5	3.	.8	146100.	-1.4	-4074.	7.
411104	2.	24.	71220.	-0.	1163.	21710.	50.	-132.	27.8	171.	-2.3	5.	1.1	55830.	3.6	12070.	-18.
411105	2.	12.	74170.	-0.	762.	21480.	53.	295.	21.7	307.	-2.4	5.	1.2	47400.	4.5	11680.	-17.
411106	4.	46.	73620.	-0.	576.	30090.	36.	-91.	40.8	600.	-2.9	4.	1.1	83010.	5.6	7971.	-10.
411107	2.	31.	66280.	-0.	530.	36230.	31.	-92.	36.7	528.	-2.5	4.	1.1	75480.	4.2	8851.	-14.
411108	3.	36.	74870.	-0.	680.	25120.	31.	-95.	36.7	366.	-2.3	4.	1.1	74300.	4.7	10880.	-13.
411111	4.	34.	54170.	-0.	1240.	36240.	63.	-95.	36.8	222.	4.6	4.	1.3	62400.	5.7	10580.	60.
411112	2.	27.	52080.	-0.	1958.	24310.	113.	-86.	27.1	151.	6.8	7.	1.8	51840.	9.2	12350.	65.
411115	3.	30.	69140.	-0.	655.	47550.	35.	265.	23.7	119.	-2.0	3.	1.0	65480.	3.5	11490.	14.
411116	2.	4.	67520.	-0.	361.	60730.	21.	249.	33.2	776.	-1.8	-1.	.6	75120.	4.4	-3358.	4.
411118	3.	4.	69250.	-0.	462.	47650.	27.	-125.	19.4	68.	-2.0	4.	1.2	66670.	5.2	-3986.	10.

PI HAYS CRYSTAL SEDIMENTS

PC. THREE - SAMPLE 1

SAMPLE NO.	TH PPM	PL PPM	PH PPM	NA PPM	KB PPM	SO PPM	SC PPM	SM PPM	SP PPM	TA PPM	TS PPM	TH PPM	TI PPM	V PPM	TE PPM	ZK PPM	UTIN PPM
410991	3	22490.	1218.	19410.	-52.	-3.	35.3	3.5	-291.	-1.	-1.	2.7	5455.	266.	3.2	-36.	1.067
410992	2	20390.	1134.	17750.	-40.	-3.	30.8	3.6	-287.	-1.	-1.	3.1	4745.	227.	3.3	-47.	1.733
410993	3	19900.	1259.	15390.	-37.	-7.	32.5	3.5	-315.	-1.	-1.	2.9	5717.	262.	3.2	144.	1.757
410994	3	23030.	1293.	19710.	-57.	-3.	35.4	4.0	-321.	-1.	-1.	3.2	7853.	578.	2.9	117.	1.769
410995	3	27480.	1215.	12150.	-47.	-3.	40.4	2.6	-254.	-2.	-1.	2.6	5543.	344.	3.2	-57.	1.626
410996	-1	4702.	1121.	4721.	-51.	-2.	4.5	-4.6	-452.	-2.	-1.	-1.3	-1091.	46.	-1.8	-48.	-959.000
410997	1	6331.	475.	19380.	-40.	-2.	7.0	-4.4	-328.	-2.	-1.	4.4	2411.	44.	-1.7	120.	2.105
410998	4	16360.	1242.	12260.	-45.	-2.	22.2	8.2	-320.	-1.	-1.	14.2	16810.	354.	4.2	162.	2.410
410999	5	13170.	1039.	12130.	-43.	6.	21.6	7.5	-282.	-1.	-1.	11.1	7005.	234.	4.7	137.	2.165
411000	3	19180.	1071.	12430.	-39.	4.	26.6	5.1	-286.	-1.	-1.	7.7	5610.	232.	3.3	156.	2.404
411001	5	14660.	887.	9479.	74.	-2.	17.7	7.6	-256.	-1.	-1.	10.0	6764.	133.	5.0	166.	2.933
411002	4	12350.	837.	9971.	-34.	-7.	16.7	6.7	-205.	-1.	-1.	14.2	6310.	137.	5.2	171.	3.610
411003	4	11770.	648.	9651.	-33.	-2.	16.9	7.6	-245.	-1.	-1.	11.6	5522.	137.	4.0	222.	3.077
411004	4	16570.	1099.	9252.	-42.	5.	19.9	6.5	-279.	-1.	-1.	10.2	8575.	151.	4.0	253.	3.067
411005	4	12440.	885.	10390.	-43.	3.	19.0	7.6	-276.	-1.	-1.	12.6	6328.	155.	5.6	169.	3.448
411006	3	12450.	855.	9992.	69.	4.	16.8	8.6	-211.	-1.	-1.	13.1	5651.	136.	4.4	-63.	3.663
411007	5	13606.	1013.	9774.	62.	-2.	17.0	9.2	-286.	-1.	-1.	11.5	6813.	142.	4.9	178.	2.573
411008	4	13650.	905.	10490.	68.	-2.	16.8	9.4	-287.	-1.	-1.	11.2	6120.	137.	4.3	122.	3.696
411009	-2	21470.	1215.	17900.	-80.	-5.	22.0	1.7	-636.	-3.	-1.	-2.3	4912.	289.	-3.4	166.	-999.000
411010	2	20740.	906.	18800.	-34.	-2.	23.0	3.6	-245.	-1.	-1.	1.9	6014.	155.	-2.1	95.	1.520
411011	2	18720.	871.	12950.	-59.	-4.	23.0	2.7	-336.	-2.	-1.	3.2	4370.	186.	-2.9	269.	2.604
411012	3	17980.	2671.	12410.	-62.	-4.	24.1	2.8	-480.	-2.	-1.	2.4	6569.	207.	2.7	-72.	1.499
411013	3	19670.	1341.	12400.	-56.	-3.	23.2	3.7	-396.	-2.	-1.	3.1	5758.	211.	-2.2	216.	1.520
411014	3	24130.	1016.	15900.	-53.	-4.	20.1	4.5	-611.	-2.	-1.	4.4	6079.	176.	-2.1	146.	1.342
411015	3	25990.	1637.	9429.	-52.	-4.	37.4	3.7	-358.	-2.	-1.	2.8	8274.	276.	4.8	-55.	2.545
411016	3	10670.	570.	12860.	-52.	-4.	16.2	3.8	-283.	-2.	-1.	3.2	4375.	156.	-2.2	-53.	1.757
411017	2	13860.	769.	12650.	35.	-2.	16.0	5.2	-246.	-1.	-999.	7.7	5023.	150.	2.9	192.	2.404
411018	4	13450.	856.	13310.	-41.	-2.	17.6	6.2	509.	-1.	-1.	8.2	4936.	169.	4.0	183.	2.427
411019	2	22940.	1039.	15450.	-35.	-2.	30.6	3.0	-271.	-1.	-1.	3.0	3731.	197.	-1.5	135.	2.083
411020	3	15390.	1069.	18720.	-48.	-3.	21.1	4.1	-397.	-2.	-1.	4.7	5144.	167.	-1.9	166.	1.992
411021	3	13930.	942.	13690.	-47.	-3.	23.6	5.1	-300.	-1.	-1.	10.0	4192.	151.	3.4	-148.	2.212
411022	2	35400.	1215.	15960.	-50.	-3.	30.8	-2.8	-311.	-1.	-1.	-1.5	4331.	274.	4.5	-59.	-999.000
411023	2	33170.	1193.	17420.	-45.	-3.	32.6	3.1	-275.	-2.	-1.	2.7	5153.	251.	-2.1	-57.	1.616
411024	3	22890.	1010.	16606.	-35.	-2.	28.0	2.9	-275.	-1.	-1.	3.1	3713.	207.	-1.5	146.	2.053
411025	2	19360.	625.	11810.	-39.	-2.	22.6	3.1	-237.	-1.	-1.	5.9	3808.	151.	2.7	97.	2.268
411026	7	15570.	2409.	17810.	-47.	-3.	20.6	6.2	-443.	-2.	-1.	5.1	5724.	461.	6.3	-158.	1.821
411027	4	16250.	921.	13470.	-34.	4.	21.5	6.4	-613.	-1.	-1.	7.8	6801.	260.	4.1	-41.	2.494
411028	2	14320.	736.	17090.	-39.	-3.	16.6	2.8	-322.	-2.	-1.	3.7	4347.	149.	2.5	-70.	2.242
411029	3	19010.	1206.	17890.	-46.	-3.	24.8	4.3	-345.	-2.	-1.	3.4	3612.	285.	3.5	156.	1.799
411030	-1	40130.	1402.	11210.	-48.	-3.	62.6	2.7	-280.	-2.	-1.	-1.4	5722.	519.	3.1	-60.	-999.000
411101	6	13540.	1404.	15970.	-49.	-6.	21.7	5.9	-351.	-2.	-1.	5.0	4736.	187.	-3.4	-133.	1.416
411102	6	13280.	762.	18560.	-50.	-7.	22.9	6.4	-298.	-2.	-1.	5.6	4192.	166.	5.9	160.	1.957
411103	-2	19910.	1099.	8868.	-56.	-8.	39.7	4.3	-318.	-2.	-1.	4.2	6576.	274.	-4.2	-63.	2.358
411104	4	19590.	1171.	11040.	-50.	-7.	36.7	5.7	-300.	-2.	-1.	3.7	6411.	272.	-3.2	-54.	2.404
411105	3	19390.	1103.	9380.	-49.	-6.	36.0	5.7	-254.	-2.	-1.	2.9	6097.	255.	-3.3	-37.	1.647
411111	3	18160.	967.	12390.	76.	10.	25.9	7.1	-301.	-1.	-1.	6.8	6932.	206.	3.3	-79.	2.825
411112	5	12710.	964.	10990.	-62.	11.	19.4	11.9	-276.	-1.	-1.	8.8	6359.	196.	5.0	265.	1.652
411113	3	20080.	1169.	20810.	-37.	-2.	26.9	3.6	-294.	-1.	-1.	3.7	3426.	226.	2.9	-42.	2.137
411114	4	22030.	1273.	15850.	-35.	6.	36.2	2.8	-232.	-1.	-1.	1.6	4859.	251.	3.2	62.	1.344
411115	3	11440.	1111.	21680.	-37.	-2.	32.1	3.8	-269.	-1.	-959.	2.1	4770.	214.	4.2	-47.	1.543

PT HATES STRIPS ELEMENTS

PC. UNIT - SAMPLE 2

COPPER PPH	FE	COBALT PPH	PH	COBALT PPH	SCANDIUM PPH	STRONTIUM PPH	STRONTIUM PPH	STRONTIUM PPH	STRONTIUM PPH	COPPER PPH	NIOSIUS PPH	NICKEL PPH	LEAD PPH	IRON PPH	TUNGSTEN PPH
411124	63.7332	146.6672	9.	103.	6.	5.13	-5.	-5.	-5.	57.	-20.	16.	16.	-10.	-15.
411125	63.1063	146.4269	6.	146.	6.	2.67	-5.	-5.	-5.	44.	-20.	20.	-15.	-10.	-15.
411129	63.1222	146.5350	6.	100.	3.	2.31	-5.	-5.	-5.	39.	-20.	-15.	11.	-10.	-15.
411130	63.7230	146.3131	6.	42.	3.	2.72	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411137	63.7256	146.2364	6.	51.	3.	2.33	-5.	-5.	-5.	36.	-20.	33.	6.	-10.	-15.
411153	63.2229	146.6906	6.	135.	-999.	7.31	-5.	-5.	-5.	109.	-20.	104.	-5.	-10.	-15.
411155	63.3945	146.6992	6.	40.	-999.	1.05	-5.	-5.	-5.	82.	-20.	57.	-5.	-10.	-15.
411157	63.3358	146.7964	7.	5.	-999.	1.00	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411161	63.2927	146.7733	7.	4.	-999.	1.62	-5.	-5.	-5.	69.	-20.	356.	-5.	-10.	-15.
411165	63.2925	146.9284	6.	20.	-999.	1.60	-5.	-5.	-5.	66.	-20.	236.	-5.	-10.	-15.
411166	63.3069	146.9508	7.	20.	-999.	1.89	-5.	-5.	-5.	69.	-20.	266.	-5.	-10.	-15.
411167	63.3339	146.9322	6.	10.	-999.	1.10	-5.	-5.	-5.	59.	-20.	1016.	-5.	-10.	-15.
411168	63.2938	146.6547	6.	60.	-999.	1.10	-5.	-5.	-5.	178.	-20.	825.	-5.	-10.	-15.
411170	63.3142	146.6672	7.	5.	-999.	2.37	-5.	-5.	-5.	73.	-20.	136.	10.	-10.	-15.
411171	63.3392	146.6694	6.	57.	-999.	1.20	-5.	-5.	-5.	146.	-20.	415.	-5.	-10.	-15.
411172	63.3342	146.1739	6.	5.	-999.	2.97	-5.	-5.	-5.	53.	-20.	61.	9.	-10.	-15.
411173	63.3169	146.1850	6.	93.	-999.	3.07	-5.	-5.	-5.	100.	-20.	167.	-5.	-10.	-15.
411174	63.3244	146.2650	7.	68.	-999.	2.19	-5.	-5.	-5.	469.	-20.	50.	55.	-10.	-15.
411175	63.3160	146.2514	7.	65.	-999.	2.13	-5.	-5.	-5.	473.	-20.	54.	60.	-10.	-15.
411176	63.2601	146.2914	6.	12.	-999.	1.11	-5.	-5.	-5.	157.	-20.	134.	-5.	-10.	-15.
411181	63.2997	146.3653	6.	31.	-999.	2.24	-5.	-5.	-5.	54.	-20.	92.	7.	-10.	-15.
411185	63.2963	146.5550	6.	24.	-999.	1.92	-5.	-5.	-5.	69.	-20.	34.	-5.	-10.	-15.
411186	63.2708	146.6150	6.	26.	-999.	.32	-5.	-5.	-5.	202.	-20.	66.	-5.	-10.	-15.
411187	63.2726	146.6550	6.	3.	-999.	.44	-5.	-5.	-5.	203.	-20.	71.	-5.	-10.	-15.
411189	63.3142	146.6250	6.	26.	-999.	.59	-5.	-5.	-5.	320.	-20.	84.	-5.	-10.	-15.
411189	63.3250	146.6497	7.	40.	-999.	1.03	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411190	63.3130	146.7003	6.	40.	-999.	.32	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411192	63.2950	146.7172	6.	51.	-999.	1.76	-5.	-5.	-5.	219.	-20.	41.	-5.	-10.	-15.
411193	63.2725	146.7220	6.	19.	-999.	4.51	-5.	-5.	-5.	92.	-20.	41.	-5.	-10.	-15.
411201	63.2320	146.3711	6.	15.	6.	1.22	-5.	-5.	-5.	39.	-20.	36.	-5.	-10.	-15.
411204	63.2656	146.4083	6.	42.	-999.	2.58	-5.	-5.	-5.	75.	-20.	55.	-5.	-10.	-15.
411205	63.2577	146.5050	7.	38.	-999.	2.80	-5.	-5.	-5.	59.	-20.	63.	7.	-10.	-15.
411207	63.2478	146.6050	6.	16.	6.	.94	-5.	-5.	-5.	44.	-20.	-15.	-5.	-10.	-15.
411208	63.2261	146.6119	6.	45.	6.	1.23	-5.	-5.	-5.	105.	-20.	29.	-5.	-10.	-15.
411209	63.2153	146.6150	6.	15.	-999.	1.23	-5.	-5.	-5.	140.	-20.	44.	-5.	-10.	-15.
411210	63.1681	146.6275	6.	18.	12.	1.57	-5.	-5.	-5.	82.	-20.	50.	-5.	-10.	-15.
411212	63.1617	146.6700	6.	85.	12.	2.53	-5.	-5.	-5.	47.	-20.	22.	6.	-10.	-15.
411223	63.0361	146.8053	6.	42.	6.	2.15	-5.	-5.	-5.	47.	-20.	16.	-5.	-10.	-15.
411225	63.0117	146.9639	7.	13.	6.	1.99	-5.	-5.	-5.	61.	-20.	34.	-5.	-10.	-15.
411226	63.0231	146.9833	7.	16.	12.	1.95	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411229	63.0633	146.9350	6.	29.	6.	1.94	-5.	-5.	-5.	95.	-20.	46.	8.	-10.	-15.
411231	63.0717	146.8481	7.	40.	6.	1.41	-5.	-5.	-5.	136.	-20.	59.	-5.	-10.	-15.
411239	63.1103	146.9753	6.	35.	6.	.96	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411244	63.1519	146.9994	7.	16.	16.	1.38	-5.	-5.	-5.	176.	-20.	69.	-5.	-10.	-15.
411245	63.1997	146.9989	7.	7.	12.	2.06	-5.	-5.	-5.	121.	-20.	62.	-5.	-10.	-15.
411246	63.2083	146.9997	7.	7.	6.	2.50	-5.	-5.	-5.	85.	-20.	53.	-5.	-10.	-15.
411247	63.2233	146.9961	7.	42.	6.	2.22	-5.	-5.	-5.	87.	-20.	58.	11.	-10.	-15.
411248	63.2233	146.9814	6.	46.	6.	2.22	-5.	-5.	-5.	82.	-20.	33.	-5.	-10.	-15.
411249	63.2350	146.8666	-999.	102.	-999.	4.21	-5.	-5.	-5.	127.	-20.	-15.	15.	-10.	-15.
411250	63.2239	146.8919	10.	106.	16.	3.51	-5.	-5.	-5.	156.	-20.	43.	29.	-10.	-15.

Sample No.	10 PPM	11 PPM	12 PPM	13 PPM	14 PPM	15 PPM	16 PPM	17 PPM	18 PPM	19 PPM	20 PPM	21 PPM	22 PPM	23 PPM	24 PPM	25 PPM	26 PPM	27 PPM	28 PPM	29 PPM	30 PPM	31 PPM	32 PPM	33 PPM	34 PPM	35 PPM	36 PPM	37 PPM	38 PPM	39 PPM	40 PPM	41 PPM	42 PPM	43 PPM	44 PPM	45 PPM	46 PPM	47 PPM	48 PPM	49 PPM	50 PPM	51 PPM	52 PPM	53 PPM	54 PPM	55 PPM	56 PPM	57 PPM	58 PPM	59 PPM	60 PPM	61 PPM	62 PPM	63 PPM	64 PPM	65 PPM	66 PPM	67 PPM	68 PPM	69 PPM	70 PPM	71 PPM	72 PPM	73 PPM	74 PPM	75 PPM	76 PPM	77 PPM	78 PPM	79 PPM	80 PPM	81 PPM	82 PPM	83 PPM	84 PPM	85 PPM	86 PPM	87 PPM	88 PPM	89 PPM	90 PPM	91 PPM	92 PPM	93 PPM	94 PPM	95 PPM	96 PPM	97 PPM	98 PPM	99 PPM	100 PPM	101 PPM	102 PPM	103 PPM	104 PPM	105 PPM	106 PPM	107 PPM	108 PPM	109 PPM	110 PPM	111 PPM	112 PPM	113 PPM	114 PPM	115 PPM	116 PPM	117 PPM	118 PPM	119 PPM	120 PPM	121 PPM	122 PPM	123 PPM	124 PPM	125 PPM	126 PPM	127 PPM	128 PPM	129 PPM	130 PPM	131 PPM	132 PPM	133 PPM	134 PPM	135 PPM	136 PPM	137 PPM	138 PPM	139 PPM	140 PPM	141 PPM	142 PPM	143 PPM	144 PPM	145 PPM	146 PPM	147 PPM	148 PPM	149 PPM	150 PPM	151 PPM	152 PPM	153 PPM	154 PPM	155 PPM	156 PPM	157 PPM	158 PPM	159 PPM	160 PPM	161 PPM	162 PPM	163 PPM	164 PPM	165 PPM	166 PPM	167 PPM	168 PPM	169 PPM	170 PPM	171 PPM	172 PPM	173 PPM	174 PPM	175 PPM	176 PPM	177 PPM	178 PPM	179 PPM	180 PPM	181 PPM	182 PPM	183 PPM	184 PPM	185 PPM	186 PPM	187 PPM	188 PPM	189 PPM	190 PPM	191 PPM	192 PPM	193 PPM	194 PPM	195 PPM	196 PPM	197 PPM	198 PPM	199 PPM	200 PPM	201 PPM	202 PPM	203 PPM	204 PPM	205 PPM	206 PPM	207 PPM	208 PPM	209 PPM	210 PPM	211 PPM	212 PPM	213 PPM	214 PPM	215 PPM	216 PPM	217 PPM	218 PPM	219 PPM	220 PPM	221 PPM	222 PPM	223 PPM	224 PPM	225 PPM	226 PPM	227 PPM	228 PPM	229 PPM	230 PPM	231 PPM	232 PPM	233 PPM	234 PPM	235 PPM	236 PPM	237 PPM	238 PPM	239 PPM	240 PPM	241 PPM	242 PPM	243 PPM	244 PPM	245 PPM	246 PPM	247 PPM	248 PPM	249 PPM	250 PPM	251 PPM	252 PPM	253 PPM	254 PPM	255 PPM	256 PPM	257 PPM	258 PPM	259 PPM	260 PPM	261 PPM	262 PPM	263 PPM	264 PPM	265 PPM	266 PPM	267 PPM	268 PPM	269 PPM	270 PPM	271 PPM	272 PPM	273 PPM	274 PPM	275 PPM	276 PPM	277 PPM	278 PPM	279 PPM	280 PPM	281 PPM	282 PPM	283 PPM	284 PPM	285 PPM	286 PPM	287 PPM	288 PPM	289 PPM	290 PPM	291 PPM	292 PPM	293 PPM	294 PPM	295 PPM	296 PPM	297 PPM	298 PPM	299 PPM	300 PPM	301 PPM	302 PPM	303 PPM	304 PPM	305 PPM	306 PPM	307 PPM	308 PPM	309 PPM	310 PPM	311 PPM	312 PPM	313 PPM	314 PPM	315 PPM	316 PPM	317 PPM	318 PPM	319 PPM	320 PPM	321 PPM	322 PPM	323 PPM	324 PPM	325 PPM	326 PPM	327 PPM	328 PPM	329 PPM	330 PPM	331 PPM	332 PPM	333 PPM	334 PPM	335 PPM	336 PPM	337 PPM	338 PPM	339 PPM	340 PPM	341 PPM	342 PPM	343 PPM	344 PPM	345 PPM	346 PPM	347 PPM	348 PPM	349 PPM	350 PPM	351 PPM	352 PPM	353 PPM	354 PPM	355 PPM	356 PPM	357 PPM	358 PPM	359 PPM	360 PPM	361 PPM	362 PPM	363 PPM	364 PPM	365 PPM	366 PPM	367 PPM	368 PPM	369 PPM	370 PPM	371 PPM	372 PPM	373 PPM	374 PPM	375 PPM	376 PPM	377 PPM	378 PPM	379 PPM	380 PPM	381 PPM	382 PPM	383 PPM	384 PPM	385 PPM	386 PPM	387 PPM	388 PPM	389 PPM	390 PPM	391 PPM	392 PPM	393 PPM	394 PPM	395 PPM	396 PPM	397 PPM	398 PPM	399 PPM	400 PPM	401 PPM	402 PPM	403 PPM	404 PPM	405 PPM	406 PPM	407 PPM	408 PPM	409 PPM	410 PPM	411 PPM	412 PPM	413 PPM	414 PPM	415 PPM	416 PPM	417 PPM	418 PPM	419 PPM	420 PPM	421 PPM	422 PPM	423 PPM	424 PPM	425 PPM	426 PPM	427 PPM	428 PPM	429 PPM	430 PPM	431 PPM	432 PPM	433 PPM	434 PPM	435 PPM	436 PPM	437 PPM	438 PPM	439 PPM	440 PPM	441 PPM	442 PPM	443 PPM	444 PPM	445 PPM	446 PPM	447 PPM	448 PPM	449 PPM	450 PPM	451 PPM	452 PPM	453 PPM	454 PPM	455 PPM	456 PPM	457 PPM	458 PPM	459 PPM	460 PPM	461 PPM	462 PPM	463 PPM	464 PPM	465 PPM	466 PPM	467 PPM	468 PPM	469 PPM	470 PPM	471 PPM	472 PPM	473 PPM	474 PPM	475 PPM	476 PPM	477 PPM	478 PPM	479 PPM	480 PPM	481 PPM	482 PPM	483 PPM	484 PPM	485 PPM	486 PPM	487 PPM	488 PPM	489 PPM	490 PPM	491 PPM	492 PPM	493 PPM	494 PPM	495 PPM	496 PPM	497 PPM	498 PPM	499 PPM	500 PPM	501 PPM	502 PPM	503 PPM	504 PPM	505 PPM	506 PPM	507 PPM	508 PPM	509 PPM	510 PPM	511 PPM	512 PPM	513 PPM	514 PPM	515 PPM	516 PPM	517 PPM	518 PPM	519 PPM	520 PPM	521 PPM	522 PPM	523 PPM	524 PPM	525 PPM	526 PPM	527 PPM	528 PPM	529 PPM	530 PPM	531 PPM	532 PPM	533 PPM	534 PPM	535 PPM	536 PPM	537 PPM	538 PPM	539 PPM	540 PPM	541 PPM	542 PPM	543 PPM	544 PPM	545 PPM	546 PPM	547 PPM	548 PPM	549 PPM	550 PPM	551 PPM	552 PPM	553 PPM	554 PPM	555 PPM	556 PPM	557 PPM	558 PPM	559 PPM	560 PPM	561 PPM	562 PPM	563 PPM	564 PPM	565 PPM	566 PPM	567 PPM	568 PPM	569 PPM	570 PPM	571 PPM	572 PPM	573 PPM	574 PPM	575 PPM	576 PPM	577 PPM	578 PPM	579 PPM	580 PPM	581 PPM	582 PPM	583 PPM	584 PPM	585 PPM	586 PPM	587 PPM	588 PPM	589 PPM	590 PPM	591 PPM	592 PPM	593 PPM	594 PPM	595 PPM	596 PPM	597 PPM	598 PPM	599 PPM	600 PPM	601 PPM	602 PPM	603 PPM	604 PPM	605 PPM	606 PPM	607 PPM	608 PPM	609 PPM	610 PPM	611 PPM	612 PPM	613 PPM	614 PPM	615 PPM	616 PPM	617 PPM	618 PPM	619 PPM	620 PPM	621 PPM	622 PPM	623 PPM	624 PPM	625 PPM	626 PPM	627 PPM	628 PPM	629 PPM	630 PPM	631 PPM	632 PPM	633 PPM	634 PPM	635 PPM	636 PPM	637 PPM	638 PPM	639 PPM	640 PPM	641 PPM	642 PPM	643 PPM	644 PPM	645 PPM	646 PPM	647 PPM	648 PPM	649 PPM	650 PPM	651 PPM	652 PPM	653 PPM	654 PPM	655 PPM	656 PPM	657 PPM	658 PPM	659 PPM	660 PPM	661 PPM	662 PPM	663 PPM	664 PPM	665 PPM	666 PPM	667 PPM	668 PPM	669 PPM	670 PPM	671 PPM	672 PPM	673 PPM	674 PPM	675 PPM	676 PPM	677 PPM	678 PPM	679 PPM	680 PPM	681 PPM	682 PPM	683 PPM	684 PPM	685 PPM	686 PPM	687 PPM	688 PPM	689 PPM	690 PPM	691 PPM	692 PPM	693 PPM	694 PPM	695 PPM	696 PPM	697 PPM	698 PPM	699 PPM	700 PPM	701 PPM	702 PPM	703 PPM	704 PPM	705 PPM	706 PPM	707 PPM	708 PPM	709 PPM	710 PPM	711 PPM	712 PPM	713 PPM	714 PPM	715 PPM	716 PPM	717 PPM	718 PPM	719 PPM	720 PPM	721 PPM	722 PPM	723 PPM	724 PPM	725 PPM	726 PPM	727 PPM	728 PPM	729 PPM	730 PPM	731 PPM	732 PPM	733 PPM	734 PPM	735 PPM	736 PPM	737 PPM	738 PPM	739 PPM	740 PPM	741 PPM	742 PPM	743 PPM	744 PPM	745 PPM	746 PPM	747 PPM	748 PPM	749 PPM	750 PPM	751 PPM	752 PPM	753 PPM	754 PPM	755 PPM	756 PPM	757 PPM	758 PPM	759 PPM	760 PPM	761 PPM	762 PPM	763 PPM	764 PPM	765 PPM	766 PPM	767 PPM	768 PPM	769 PPM	770 PPM	771 PPM	772 PPM	773 PPM	774 PPM	775 PPM	776 PPM	777 PPM	778 PPM	779 PPM	780 PPM	781 PPM	782 PPM	783 PPM	784 PPM	785 PPM	786 PPM	787 PPM	788 PPM	789 PPM	790 PPM	791 PPM	792 PPM	793 PPM	794 PPM	795 PPM	796 PPM	797 PPM	798 PPM	799 PPM	800 PPM	801 PPM	802 PPM	803 PPM	804 PPM	805 PPM	806 PPM	807 PPM	808 PPM	809 PPM	810 PPM	811 PPM	812 PPM	813 PPM	814 PPM	815 PPM	816 PPM	817 PPM	818 PPM	819 PPM	820 PPM	821 PPM	822 PPM	823 PPM	824 PPM	825 PPM	826 PPM	827 PPM	828 PPM	829 PPM	830 PPM	831 PPM	832 PPM	833 PPM	834 PPM	835 PPM	836 PPM	837 PPM	838 PPM	839 PPM	840 PPM	841 PPM	842 PPM	843 PPM	844 PPM	845 PPM	846 PPM	847 PPM	848 PPM	849 PPM	850 PPM	851 PPM	852 PPM	853 PPM	854 PPM	855 PPM	856 PPM	857 PPM	858 PPM	859 PPM	860 PPM	861 PPM	862 PPM	863 PPM	864 PPM	865 PPM	866 PPM	867 PPM	868 PPM	869 PPM	870 PPM	871 PPM	872 PPM	873 PPM	874 PPM	875 PPM	876 PPM	877 PPM	878 PPM	879 PPM	880 PPM	881 PPM	882 PPM	883 PPM	884 PPM	885 PPM	886 PPM	887 PPM	888 PPM	889 PPM	890 PPM	891 PPM	892 PPM	893 PPM	894 PPM	895 PPM	896 PPM	897 PPM	898 PPM	899 PPM	900 PPM	901 PPM	902 PPM	903 PPM	904 PPM	905 PPM	906 PPM	907 PPM	908 PPM	909 PPM	910 PPM	911 PPM	912 PPM	913 PPM	914 PPM	915 PPM	916 PPM	917 PPM	918 PPM	919 PPM	920 PPM	921 PPM	922 PPM	923 PPM	924 PPM	925 PPM	926 PPM	927 PPM	928 PPM	929 PPM	930 PPM	931 PPM	932 PPM	933 PPM	934 PPM	935 PPM	936 PPM	937 PPM	938 PPM	939 PPM	940 PPM	941 PPM	942 PPM	943 PPM	944 PPM	945 PPM	946 PPM	947 PPM	948 PPM	949 PPM	950 PPM	951 PPM	952 PPM	953 PPM	954 PPM	955 PPM	956 PPM	957 PPM	958 PPM	959 PPM	960 PPM	961 PPM	962 PPM	963 PPM	964 PPM	965 PPM	966 PPM	967 PPM	968 PPM	969 PPM	970 PPM	971 PPM	972 PPM	973 PPM	974 PPM	975 PPM	976 PPM	977 PPM	978 PPM	979 PPM	980 PPM	981 PPM	982 PPM	983 PPM	984 PPM	985 PPM	986 PPM	987 PPM	988 PPM	989 PPM	990 PPM	991 PPM	992 PPM	993 PPM	994 PPM	995 PPM	996 PPM	997 PPM	998 PPM	999 PPM	1000 PPM
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SAMPLE NO.	LOT.	FORM.	PH	COLOR.	SCOTT.	URANIUM PPM	SILVER PPM	ELSMITH PPM	CADMIUM PPM	COPPER PPM	NICOLUP PPM	NICKEL PPM	LEAD PPM	IRON PPM	TUNGSTEN PPM
411252	63.1514	146.9508	-999.	105.	12.	1.69	-5.	-5.	-5.	150.	-20.	63.	-5.	-10.	-15.
411253	63.1511	146.9700	-999.	7.	12.	3.34	-5.	-5.	-5.	97.	-20.	25.	-5.	-10.	-15.
411254	63.1992	146.6444	8.	45.	12.	1.57	-5.	-5.	-5.	146.	-20.	31.	-5.	-10.	-15.
411255	63.1467	146.8117	8.	26.	6.	2.00	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411256	63.1439	146.7931	8.	34.	6.	1.54	-5.	-5.	-5.	165.	-20.	69.	-5.	-10.	-15.
411263	63.2272	146.7368	8.	20.	6.	2.45	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411264	63.2458	146.7264	8.	18.	-999.	1.71	-5.	-5.	-5.	623.	-20.	44.	-5.	-10.	-15.
411270	63.3289	146.8753	7.	20.	6.	3.51	-5.	-5.	-5.	95.	-20.	-15.	-5.	-10.	-15.
411272	63.3563	146.9281	7.	1.	12.	3.45	-5.	-5.	-5.	94.	-20.	62.	-5.	-10.	-15.
411277	63.3536	146.9531	8.	26.	12.	4.76	-5.	-5.	-5.	29.	-20.	20.	-5.	-10.	-15.
411281	63.4592	146.9800	9.	24.	6.	3.29	-5.	-5.	-5.	35.	-20.	18.	-5.	-10.	-15.
411282	63.4444	146.9675	8.	22.	12.	5.19	-5.	-5.	-5.	13.	-20.	-15.	7.	-10.	-15.
411284	63.4269	146.9119	8.	20.	6.	2.08	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411285	63.4050	146.9031	7.	75.	6.	3.25	-5.	-5.	-5.	71.	-20.	46.	-5.	-10.	-15.
411286	63.4025	146.9800	8.	65.	6.	2.04	-5.	-5.	-5.	56.	-20.	18.	-5.	-10.	-15.
411289	63.3069	146.9781	7.	69.	-999.	.42	-5.	-5.	-5.	196.	-20.	62.	-5.	-10.	-15.
411295	63.3539	146.8700	8.	66.	6.	2.25	-5.	-5.	-5.	101.	-20.	130.	6.	-10.	-15.
411296	63.3467	146.8175	8.	72.	12.	2.44	-5.	-5.	-5.	141.	-20.	135.	-5.	-10.	22.
411301	63.3531	145.7572	8.	77.	9.	1.63	-5.	-5.	-5.	84.	-20.	301.	-5.	-10.	-15.
411302	63.3692	145.7626	8.	67.	12.	1.44	-5.	-5.	-5.	108.	-20.	374.	-5.	-10.	-15.
411303	63.3939	145.7400	8.	17.	6.	3.60	-5.	-5.	-5.	70.	-20.	142.	5.	-10.	-15.
411304	63.4139	145.8019	7.	18.	3.	3.24	-5.	-5.	-5.	97.	-20.	92.	10.	-10.	-15.
411305	63.4072	145.8280	6.	68.	12.	3.70	-5.	-5.	-5.	31.	-20.	-15.	9.	-10.	-15.
411306	63.4161	145.8326	6.	68.	6.	3.66	-5.	-5.	-5.	38.	-20.	30.	7.	-10.	-15.
411307	63.4442	145.8469	8.	145.	6.	4.32	-5.	-5.	-5.	50.	-20.	62.	5.	-10.	-15.
411308	63.4653	145.8050	5.	78.	9.	3.22	-5.	-5.	-5.	54.	-20.	20.	-5.	-10.	-15.
411310	63.5100	145.9267	8.	205.	18.	2.11	-5.	-5.	-5.	22.	-20.	-15.	6.	-10.	-15.
411311	63.5522	145.9517	8.	267.	12.	3.73	-5.	-5.	-5.	66.	-20.	41.	10.	-10.	-15.
411312	63.5472	145.9872	8.	264.	6.	6.08	-5.	-5.	-5.	65.	-20.	45.	8.	-10.	-15.
411313	63.5453	146.0050	6.	218.	12.	6.02	-5.	-5.	-5.	44.	-20.	42.	11.	-10.	-15.
411314	63.5475	146.0086	6.	178.	-999.	4.64	-5.	-5.	-5.	74.	-20.	55.	9.	-10.	-15.
411315	63.5717	146.1519	9.	187.	18.	6.01	-5.	-5.	-5.	51.	-20.	123.	-5.	-10.	-15.
411316	63.5983	146.1750	5.	40.	6.	3.86	-5.	-5.	-5.	36.	-20.	22.	10.	-10.	-15.
411317	63.6142	146.1981	10.	276.	6.	3.78	-5.	-5.	-5.	43.	-20.	32.	13.	-10.	-15.
411318	63.6428	146.2178	-999.	-999.	6.	3.27	-5.	-5.	-5.	30.	-20.	-15.	-5.	-10.	-15.
411319	63.6408	146.2914	9.	7.	-999.	2.63	-5.	-5.	-5.	43.	-20.	40.	14.	-10.	-15.
411320	63.6467	146.3286	9.	10.	6.	3.09	-5.	-5.	-5.	41.	-20.	36.	10.	-10.	-15.
411321	63.6431	146.4375	-999.	-999.	3.	4.58	-5.	-5.	-5.	68.	-20.	71.	16.	-10.	-15.
411322	63.6503	146.4422	-999.	-999.	15.	4.60	-5.	-5.	-5.	58.	-20.	55.	18.	11.	-15.
411323	63.6400	146.4319	8.	278.	6.	5.48	-5.	-5.	-5.	60.	-20.	45.	23.	-10.	-15.
411324	63.6975	146.4478	-999.	125.	12.	4.71	-5.	-5.	-5.	47.	-20.	31.	14.	-10.	-15.
411325	63.6642	146.5086	9.	167.	6.	5.98	-5.	-5.	-5.	53.	-20.	35.	7.	-10.	-15.
411326	63.6739	146.5136	-999.	-999.	3.	4.37	-5.	-5.	-5.	55.	-20.	30.	14.	-10.	-15.
411327	63.6878	146.5303	9.	12.	12.	2.35	-5.	-5.	-5.	32.	-20.	-15.	9.	-10.	-15.
411328	63.6931	146.2892	8.	11.	28.	3.73	-5.	-5.	-5.	33.	-20.	47.	17.	-10.	25.
411329	63.6931	146.2789	5.	35.	-999.	2.68	-5.	-5.	-5.	33.	-20.	16.	8.	-10.	-15.
411330	63.6775	146.2544	-999.	-999.	-999.	2.66	-5.	-5.	-5.	22.	-20.	20.	-5.	-10.	-15.
411331	63.6639	146.2367	8.	105.	9.	3.21	-5.	-5.	-5.	38.	-20.	36.	17.	-10.	-15.
411332	63.6656	146.1589	8.	25.	-999.	2.46	-5.	-5.	-5.	29.	-20.	23.	-5.	-10.	-15.
411333	63.6575	146.1444	9.	20.	28.	2.60	-5.	-5.	-5.	30.	-20.	15.	-5.	-10.	-15.

SAMPLE NO.	HI PPM	LI PPM	SI PPM	BU PPM	SA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HI PPM	K PPM	LT PPM
411252	3.	14.	63350.	-0.	483.	24400.	41.	-111.	31.7	255.	-2.3	3.	1.2	66150.	5.0	6505.	21.
411253	2.	8.	61540.	-0.	-244.	34170.	25.	262.	20.0	94.	-2.6	4.	1.0	41760.	2.9	7294.	-6.
411254	-1.	23.	58770.	-0.	-222.	26150.	21.	407.	21.5	113.	-3.3	4.	1.2	46510.	-1.6	-6239.	-7.
411255	-1.	42.	75740.	-0.	724.	21070.	25.	-177.	28.2	125.	-4.6	6.	.9	52650.	-2.4	-7973.	-9.
411256	-1.	44.	76640.	0.	478.	24770.	29.	-112.	33.6	162.	-2.7	5.	1.4	72260.	3.7	-4355.	-9.
411263	-1.	68.	74990.	-0.	1047.	25540.	30.	-143.	19.5	136.	3.5	4.	1.1	47400.	-1.4	4674.	-6.
411264	3.	22.	65580.	-0.	236.	44730.	46.	352.	41.6	64.	-2.6	5.	1.2	108100.	3.6	7441.	-5.
411270	3.	19.	65720.	-0.	1949.	8694.	38.	-114.	21.0	40.	-2.3	4.	.9	49640.	3.7	9772.	14.
411272	2.	18.	51390.	-0.	1249.	13490.	38.	-106.	13.9	43.	-1.9	8.	1.5	64710.	3.1	8074.	24.
411277	2.	18.	67850.	-0.	701.	41010.	109.	-147.	16.2	65.	2.7	8.	1.6	57610.	16.1	11950.	40.
411281	2.	27.	66690.	-0.	770.	37070.	101.	249.	19.4	151.	-1.8	6.	1.8	57980.	16.6	9422.	42.
411282	2.	23.	67950.	-0.	643.	39970.	150.	-140.	11.1	74.	-1.7	8.	2.0	43720.	24.7	4039.	71.
411284	-1.	47.	74140.	-0.	789.	33210.	63.	391.	15.7	67.	-2.6	4.	1.7	42780.	8.1	7640.	24.
411285	2.	20.	63500.	-0.	1167.	21080.	42.	-132.	15.1	60.	-1.7	6.	1.6	59160.	2.9	7659.	22.
411286	2.	28.	67430.	-0.	520.	31940.	33.	-120.	14.2	76.	-1.6	4.	.5	35120.	3.2	4343.	14.
411289	2.	8.	64170.	-0.	-164.	63710.	22.	-109.	45.4	194.	-2.7	4.	1.2	87170.	2.6	-4693.	10.
411295	-1.	53.	75560.	-0.	678.	22350.	33.	-117.	32.9	340.	4.0	4.	1.0	57570.	3.5	12510.	16.
411296	-1.	50.	71350.	-0.	545.	19490.	33.	-144.	33.9	311.	4.2	5.	1.3	59110.	2.9	10960.	19.
411301	3.	22.	66320.	-0.	614.	21250.	40.	-127.	41.7	883.	-2.4	5.	1.2	61270.	3.7	13230.	17.
411302	3.	15.	58240.	-0.	560.	43590.	34.	-101.	44.7	1984.	-1.8	3.	1.0	67930.	2.3	6332.	14.
411303	2.	36.	68250.	-0.	710.	33580.	61.	-113.	34.4	454.	2.5	3.	1.4	60610.	4.9	4704.	27.
411304	3.	24.	62750.	-0.	621.	38010.	65.	-99.	45.0	655.	-2.1	4.	1.2	76260.	7.7	11830.	29.
411305	4.	46.	66780.	-0.	515.	20460.	61.	-108.	12.6	71.	2.4	5.	1.1	31830.	5.3	9066.	30.
411306	2.	54.	66790.	-0.	469.	26780.	65.	-104.	10.4	79.	2.9	5.	1.2	32710.	5.0	4990.	30.
411307	3.	48.	74090.	-0.	903.	29820.	108.	-111.	25.7	139.	4.7	5.	1.4	66260.	6.4	15840.	43.
411308	5.	27.	72040.	-0.	587.	43760.	90.	-145.	36.3	87.	7.7	8.	2.3	85070.	5.9	12240.	46.
411310	2.	30.	72400.	-0.	777.	30590.	37.	-108.	7.6	36.	1.7	3.	.4	18890.	3.7	12360.	19.
411311	3.	34.	58650.	-0.	724.	32440.	109.	-95.	25.8	79.	-1.9	6.	1.9	58060.	9.3	13700.	51.
411312	3.	29.	65760.	-0.	921.	25270.	171.	-89.	33.4	96.	4.3	6.	2.3	65630.	20.6	19270.	60.
411313	3.	26.	116800.	-0.	1333.	6789.	177.	-103.	23.5	121.	6.2	9.	1.9	52680.	15.0	45190.	81.
411314	4.	22.	56270.	-0.	722.	26570.	107.	-89.	33.9	66.	3.8	6.	1.6	68320.	10.9	12440.	51.
411315	-1.	3.	-13420.	-0.	-1937.	-7461.	42.	-971.	282.0	-22.	-4.4	-12.	1.0	69200.	-2.5	-50040.	29.
411316	3.	11.	68300.	-0.	1286.	13950.	131.	-104.	21.6	98.	-2.5	7.	1.6	45120.	13.6	18760.	51.
411317	3.	17.	69860.	-0.	1277.	24260.	129.	-113.	22.9	107.	-2.2	7.	1.9	60310.	12.6	13970.	54.
411318	3.	-1.	52940.	-0.	752.	37680.	66.	-111.	27.7	134.	-2.0	5.	1.8	99430.	22.5	7516.	41.
411319	3.	14.	68420.	-0.	671.	34170.	77.	-104.	26.9	130.	-2.2	5.	1.9	77380.	10.4	9854.	38.
411320	3.	13.	68760.	-0.	1279.	36680.	118.	-107.	22.4	111.	-2.5	6.	1.6	65300.	11.2	12290.	38.
411321	4.	31.	88070.	-0.	2095.	15240.	97.	-100.	20.8	143.	6.3	7.	2.0	49190.	6.5	33090.	46.
411322	4.	33.	74300.	-0.	1818.	12660.	117.	-74.	16.6	120.	6.4	6.	1.3	45990.	7.0	27400.	56.
411323	3.	19.	69760.	-0.	876.	14640.	210.	-78.	20.4	93.	3.9	10.	2.5	49860.	15.9	22400.	90.
411324	3.	19.	71380.	-0.	1062.	17250.	183.	-79.	21.3	95.	3.6	8.	1.9	50460.	13.5	23610.	76.
411325	3.	17.	74060.	-0.	892.	13330.	257.	-90.	19.9	104.	3.9	11.	2.5	50630.	22.8	26940.	107.
411326	3.	24.	65560.	-0.	951.	15100.	137.	-71.	20.8	83.	3.5	7.	1.7	44960.	9.3	23280.	63.
411327	3.	13.	62140.	-0.	1011.	38240.	72.	-100.	19.9	128.	-2.0	4.	1.6	58790.	8.5	-3662.	29.
411328	2.	12.	56440.	-0.	1262.	26910.	95.	-115.	26.2	161.	-2.6	5.	1.6	77970.	17.9	7253.	46.
411329	2.	16.	59030.	-0.	1043.	30080.	113.	-116.	22.2	153.	-2.3	5.	1.8	70810.	11.2	8960.	42.
411330	2.	11.	61200.	-0.	1065.	30420.	74.	-103.	23.6	126.	-1.9	5.	1.5	69310.	12.5	9452.	37.
411331	2.	7.	62730.	-0.	793.	31320.	92.	-98.	25.0	115.	-1.9	5.	1.7	58720.	11.3	4928.	42.
411332	2.	21.	65300.	-0.	1434.	36640.	90.	-101.	21.4	124.	-2.3	4.	1.7	63670.	13.9	8983.	34.
411333	2.	15.	63520.	-0.	1251.	32540.	94.	-123.	22.1	113.	-2.3	6.	1.6	61580.	15.1	10060.	39.

SAMPLE NO.	CU PPM	FE PPM	NI PPM	NA PPM	PB PPM	SP PPM	SC PPM	SR PPM	SB PPM	TA PPM	TE PPM	TH PPM	TI PPM	V PPM	Y PPM	ZN PPM	OTHER RATIO
411252	.3	13410.	1171.	19350.	-42.	4.	30.5	3.5	-310.	-2.	-1.	3.7	6703.	229.	2.5	-52.	2.160
411253	.2	10420.	1476.	15500.	-53.	-4.	19.2	3.1	-420.	-2.	-1.	7.0	4930.	170.	-2.4	-140.	1.990
411254	.2	13500.	1045.	15500.	-66.	-4.	21.7	3.2	-444.	-3.	-1.	-1.0	5449.	146.	-2.9	60.	-999.000
411255	.3	10410.	1756.	13020.	-75.	-6.	20.7	2.9	-602.	-3.	-1.	-2.0	6054.	295.	-3.5	-100.	-999.000
411256	.3	12430.	1319.	14320.	-48.	-4.	34.5	4.0	-350.	-2.	-1.	-1.0	10410.	346.	5.6	-57.	-999.000
411257	.2	15400.	800.	17500.	-52.	-3.	21.5	4.1	-332.	-2.	-1.	2.6	4441.	217.	1.2	-113.	1.097
411258	.4	24450.	1464.	21250.	-54.	-4.	33.0	5.4	-442.	-2.	-1.	3.3	6052.	300.	-2.0	-63.	1.931
411259	.4	9419.	1029.	15540.	-43.	-3.	19.4	4.1	-341.	-2.	-1.	2.4	4300.	151.	4.3	200.	1.064
411260	.5	6073.	909.	13540.	-35.	-2.	18.3	0.0	-254.	-1.	1.	2.9	4030.	130.	4.8	201.	1.033
411261	.1	10000.	1539.	19620.	-41.	-3.	20.2	9.4	-300.	-1.	-1.	11.4	7091.	135.	4.9	-999.	2.192
411262	.5	18010.	1007.	19720.	-35.	-2.	24.7	7.0	-303.	-1.	-1.	9.4	6045.	170.	4.6	151.	2.857
411263	.6	11510.	1492.	22710.	-33.	-2.	20.1	11.1	650.	-1.	-1.	14.4	7092.	100.	5.5	140.	2.178
411264	.3	17090.	850.	19540.	-49.	-3.	19.0	5.2	-307.	-2.	-1.	3.2	5508.	145.	-2.3	-60.	1.530
411265	.4	11220.	1081.	17480.	-34.	-2.	20.0	5.0	-250.	-1.	1.	2.8	4219.	105.	5.0	379.	1.054
411266	.2	8520.	700.	23140.	-32.	-2.	10.5	3.0	405.	-1.	-999.	3.0	3532.	113.	3.3	-999.	1.471
411267	.4	23430.	1395.	19100.	-40.	-3.	43.0	3.1	-330.	-2.	-1.	-1.5	7531.	323.	2.9	-57.	-999.000
411268	.3	22380.	1145.	18010.	-41.	-3.	21.7	3.0	-207.	-1.	-1.	4.8	4884.	190.	2.8	100.	2.132
411269	.3	22780.	1192.	17600.	-50.	-3.	22.9	3.7	-355.	-1.	-1.	3.9	4805.	109.	3.0	-127.	1.597
411301	.3	35080.	1005.	15290.	-44.	-3.	24.5	4.4	-300.	-2.	-1.	4.5	4012.	164.	3.8	-50.	2.457
411302	.2	34970.	1192.	13199.	-30.	-2.	25.2	3.3	-300.	-1.	-1.	2.0	3467.	181.	2.8	154.	1.946
411303	.3	34030.	1111.	10260.	-47.	-3.	24.1	5.0	-332.	-1.	-1.	5.7	6063.	104.	3.5	119.	1.502
411304	.5	15050.	1294.	14030.	-43.	-3.	22.9	4.0	-252.	-1.	-1.	7.6	6307.	202.	5.2	-67.	2.347
411305	.3	6700.	935.	19430.	-27.	-2.	11.0	5.3	-280.	-1.	-999.	8.5	3434.	83.	4.3	141.	2.299
411306	.4	6078.	900.	19730.	-29.	-2.	12.5	5.0	-283.	-1.	-1.	8.3	4072.	93.	3.0	109.	2.200
411307	.4	10020.	1122.	18590.	104.	0.	24.0	6.5	-200.	-1.	-1.	13.7	4635.	176.	4.2	174.	3.175
411308	.4	10740.	1270.	20940.	-50.	0.	27.7	6.0	-341.	-3.	-1.	8.6	10780.	251.	6.0	-50.	2.674
411310	.2	5015.	430.	27520.	-21.	-1.	7.4	3.1	-239.	-1.	-999.	4.6	2190.	57.	2.1	60.	2.179
411311	.5	12490.	986.	14700.	-39.	-2.	19.1	9.1	-281.	-1.	-1.	12.0	8505.	147.	4.5	-49.	3.370
411312	.7	11190.	983.	11980.	118.	-3.	19.5	11.0	-233.	-2.	-1.	21.9	9449.	121.	8.3	-52.	3.597
411313	.4	12890.	670.	8110.	191.	-3.	22.1	0.0	-281.	-2.	-1.	24.0	6071.	105.	6.7	-52.	4.082
411314	.4	10810.	989.	11920.	-34.	4.	17.0	7.2	-275.	-1.	-1.	13.9	8197.	127.	4.4	100.	3.430
411315	.4	-20500.	20120.	3700.	-135.	-5.	0.4	4.7	-999.	-5.	-1.	-2.7	-9746.	-103.	-4.0	301.	-999.000
411316	.5	11110.	849.	14330.	05.	-3.	18.0	0.0	-258.	-2.	-1.	11.7	7250.	144.	5.0	-50.	3.012
411317	.5	19000.	1047.	13380.	-42.	-3.	21.4	7.5	-289.	-1.	-1.	12.5	9850.	140.	6.1	-48.	3.311
411318	.4	20020.	1092.	13250.	-39.	-2.	32.7	6.0	-350.	2.	-1.	8.0	27740.	208.	4.2	107.	2.000
411319	.3	19770.	1410.	14440.	-45.	-3.	27.0	0.4	-333.	-1.	-1.	7.2	16470.	211.	3.1	139.	2.545
411320	.4	10000.	1010.	10310.	-40.	-3.	24.3	7.5	-257.	-2.	-1.	7.1	13210.	220.	5.4	-64.	2.299
411321	.3	10510.	900.	7198.	104.	-3.	19.3	0.0	-303.	-1.	-1.	14.4	4673.	190.	6.0	-60.	3.145
411322	.4	14030.	851.	0928.	130.	4.	16.5	7.0	-271.	-1.	-1.	14.0	4781.	162.	5.8	249.	3.040
411323	.6	10800.	854.	8440.	73.	-2.	14.0	15.0	-200.	-2.	1.	23.3	4857.	104.	7.0	124.	4.255
411324	.6	10750.	492.	9177.	100.	-3.	10.0	12.0	-212.	-2.	-1.	21.2	6244.	107.	5.0	105.	4.505
411325	.9	9020.	79.	0730.	139.	-3.	10.1	10.2	-240.	-2.	-1.	20.0	6522.	95.	10.0	-44.	4.705
411326	.4	11110.	770.	7000.	125.	-2.	13.0	0.0	-245.	1.	-1.	17.1	5220.	115.	4.5	121.	3.900
411327	.4	20450.	1109.	15570.	-40.	-2.	25.3	0.1	-249.	-1.	-1.	0.4	12790.	170.	3.5	-49.	2.725
411328	.5	10110.	1770.	12280.	-51.	-3.	20.4	0.5	-323.	-1.	-1.	0.7	20070.	214.	4.7	-61.	2.331
411329	.4	17200.	1258.	13290.	-42.	-3.	27.9	7.0	-295.	-2.	-1.	0.6	14120.	189.	4.2	-51.	3.205
411330	.4	10520.	1350.	12790.	-37.	-2.	24.0	5.5	-334.	-1.	-1.	0.1	10130.	193.	3.0	132.	2.033
411331	.4	10140.	1000.	15210.	-39.	-2.	22.4	0.0	-250.	-1.	-1.	10.0	13580.	152.	4.8	130.	3.119
411332	.3	10030.	1210.	19000.	-34.	-3.	20.5	5.5	-252.	-1.	-1.	7.8	12700.	102.	4.1	-50.	3.175
411333	.5	10040.	1230.	14000.	-41.	-3.	25.0	0.5	-312.	-1.	-1.	7.7	12020.	108.	3.0	-40.	2.959

PLUMAS STREAM SEDIMENTS

PG. ONE - SAMPLE 4

SAMPLE NO.	DATE	TIME	PH	COND.	SCENT.	DISSOLV PPM	SILICA PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	NICKEL PPM	LEAD PPM	ZIN PPM	TUNGSTIC PPM
411334	63.0707	145.1131	8.	2.	-999.	2.72	-5.	-5.	-5.	35.	-20.	32.	6.	-10.	-15.
411335	63.0703	145.4231	8.	632.	12.	14.37	-5.	-5.	-5.	62.	-20.	60.	66.	10.	-15.
411340	63.0900	145.4363	8.	140.	-999.	5.24	-5.	-5.	-5.	50.	-20.	30.	25.	-10.	-15.
411341	63.0904	145.0547	10.	77.	-999.	5.40	-5.	-5.	-5.	113.	-20.	47.	20.	-10.	-15.
411342	63.0705	145.0375	6.	227.	3.	3.50	-5.	-5.	-5.	41.	-20.	40.	16.	-10.	-15.
411343	63.0707	145.7172	6.	35.	-999.	4.64	-5.	-5.	-5.	28.	-20.	18.	-5.	-10.	-15.
411344	63.0707	145.7172	5.	142.	3.	5.14	-5.	-5.	-5.	25.	-20.	20.	7.	-10.	-15.
411349	63.0429	145.6919	8.	140.	6.	4.03	-5.	-5.	-5.	55.	-20.	42.	20.	-10.	-15.
411350	63.0425	145.6319	5.	137.	6.	4.24	-5.	-5.	-5.	54.	-20.	42.	20.	-10.	-15.
411351	63.0707	145.6036	8.	362.	-999.	3.32	-5.	-5.	-5.	32.	-20.	20.	15.	-10.	-15.
411352	63.0707	145.5556	8.	362.	-999.	3.32	-5.	-5.	-5.	32.	-20.	20.	15.	-10.	-15.
411353	63.0704	145.5647	10.	147.	3.	4.67	-5.	-5.	-5.	73.	-20.	41.	34.	-10.	-15.
411354	63.0733	145.5361	-999.	-999.	3.	4.76	-5.	-5.	-5.	46.	-20.	46.	23.	-10.	-15.
411355	63.0506	145.4862	7.	124.	3.	5.16	-5.	-5.	-5.	44.	-20.	35.	23.	-10.	-15.
411356	63.0542	145.4506	7.	212.	3.	5.21	-5.	-5.	-5.	45.	-20.	35.	23.	-10.	-15.
411358	63.0000	145.4336	8.	136.	-999.	3.65	-5.	-5.	-5.	28.	-20.	29.	10.	-10.	-15.
411360	63.0725	145.3533	6.	150.	3.	5.65	-5.	-5.	-5.	43.	-20.	27.	20.	-10.	-15.
411361	63.0914	145.2904	10.	17.	-999.	4.15	-5.	-5.	-5.	35.	-20.	35.	12.	-10.	-15.
411362	63.0007	145.3017	8.	118.	-999.	4.05	-5.	-5.	-5.	30.	-20.	23.	16.	-10.	-15.
411363	63.0166	145.2722	9.	10.	-999.	5.96	-5.	-5.	-5.	32.	-20.	22.	28.	-10.	-15.
411364	63.0392	145.3419	8.	282.	3.	5.21	-5.	-5.	-5.	45.	-20.	28.	22.	-10.	-15.
411365	63.0475	145.3347	8.	317.	3.	4.48	-5.	-5.	-5.	31.	-20.	26.	14.	-10.	-15.
411368	63.0975	145.1869	9.	172.	-999.	7.38	-5.	-5.	-5.	33.	-20.	27.	25.	-10.	-15.
411369	63.0844	145.1875	8.	71.	3.	5.47	-5.	-5.	-5.	47.	-20.	20.	31.	-10.	-15.
411370	63.0909	145.0542	7.	155.	3.	6.27	-5.	-5.	-5.	58.	-20.	34.	27.	-10.	-15.
411372	63.0919	145.0467	9.	147.	-999.	5.04	-5.	-5.	-5.	38.	-20.	41.	11.	-10.	-15.
411373	63.0280	145.0639	6.	231.	3.	7.43	-5.	4.	-5.	43.	-20.	22.	25.	-10.	-15.
411374	63.0961	145.0517	8.	160.	6.	3.75	-5.	-5.	-5.	42.	-20.	32.	33.	-10.	-15.
411375	63.0909	145.0447	6.	175.	-999.	4.42	-5.	-5.	-5.	43.	-20.	22.	32.	-10.	-15.
411377	63.0303	145.4067	8.	215.	6.	2.98	-5.	-5.	-5.	37.	-20.	22.	22.	-10.	-15.
411379	63.0609	144.9428	8.	120.	3.	4.82	-5.	-5.	-5.	45.	-20.	15.	30.	-10.	-15.
411380	63.0931	144.9631	6.	160.	-999.	4.26	-5.	-5.	-5.	39.	-20.	-15.	18.	-10.	-15.
411390	63.0783	145.1994	8.	235.	6.	5.66	-5.	-5.	-5.	37.	-20.	34.	30.	-10.	-15.
411399	63.0775	145.2572	9.	516.	6.	3.02	-5.	-5.	-5.	30.	-20.	33.	19.	-10.	-15.
411390	63.0636	145.2744	8.	217.	-999.	2.90	-5.	-5.	-5.	33.	-20.	24.	13.	-10.	-15.
411392	63.0647	145.4031	8.	76.	6.	3.77	-5.	-5.	-5.	35.	-20.	-15.	15.	-10.	-15.
411393	63.0622	145.4222	10.	76.	3.	5.35	-5.	-5.	-5.	27.	-20.	24.	15.	-10.	-15.
411394	63.0394	145.4547	8.	230.	-999.	4.47	-5.	-5.	-5.	34.	-20.	34.	19.	-10.	-15.
411399	63.0653	145.6750	7.	281.	3.	3.44	-5.	-5.	-5.	30.	-20.	40.	10.	-10.	-15.
411400	63.0828	145.6622	8.	218.	-999.	4.23	-5.	-5.	-5.	34.	-20.	33.	17.	-10.	-15.
411401	63.0689	145.4019	8.	388.	3.	3.82	-5.	-5.	-5.	46.	-20.	36.	11.	-10.	-15.
411402	63.0692	145.9342	8.	296.	12.	3.36	-5.	-5.	-5.	44.	-20.	29.	10.	-10.	-15.
411410	63.0400	145.8061	8.	175.	-999.	6.11	-5.	-5.	-5.	39.	-20.	29.	-5.	-10.	-15.
411411	63.0447	145.7906	8.	185.	-999.	2.69	-5.	-5.	-5.	33.	-20.	28.	5.	-10.	-15.
411412	63.0956	145.7953	8.	244.	-999.	3.05	-5.	-5.	-5.	37.	-20.	24.	18.	-10.	-15.
411420	63.0807	146.4586	8.	5.	1.	1.64	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411439	63.0256	146.9814	9.	17.	-999.	3.06	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411442	63.0317	146.8856	7.	12.	5.	2.76	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411445	63.0736	146.8117	7.	11.	-999.	.52	10.	-5.	-5.	23.	-20.	-15.	-5.	-10.	-15.
411446	63.0619	146.7772	8.	7.	5.	1.56	-5.	-5.	-5.	62.	-20.	24.	-5.	-10.	17.
411490	63.0261	145.0669	7.	44.	-999.	2.33	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.

MT DAVIS STREAM SEDIMENTS

PG. TWO - SAMPLE 4

SAMPLE NO.	MT PPM	AL PPM	AS PPM	BA PPM	CA PPM	CE PPM	CL PPM	CU PPM	CR PPM	CS PPM	FE PPM	EU PPM	FE PPM	HI PPM	K PPM	LA PPM
411334	3.	17.	10700.	-0.	1557.	20050.	83.	-104.	21.2	109.	-2.0	4.	1.8	60030.	11.9	14000.
411339	2.	20.	80000.	-0.	670.	10400.	240.	-60.	30.4	93.	14.8	19.	3.2	60330.	69.0	25440.
411340	3.	15.	84000.	-0.	1733.	6111.	100.	-02.	22.0	63.	5.4	9.	2.2	49450.	15.4	20090.
411341	2.	21.	54130.	-0.	955.	25430.	120.	-39.	35.9	82.	2.7	7.	1.7	53440.	14.0	12130.
411342	3.	23.	70490.	-0.	1049.	21210.	123.	-00.	20.3	97.	-2.0	5.	1.8	45930.	6.3	23310.
411343	2.	17.	54550.	-0.	1330.	7000.	91.	-75.	10.1	123.	-1.0	6.	1.2	21930.	20.3	10230.
411344	2.	11.	60200.	-0.	1505.	5492.	91.	-70.	14.7	121.	3.0	7.	.7	31950.	17.7	19510.
411346	2.	17.	50430.	-0.	351.	12210.	84.	-07.	22.8	109.	-1.0	5.	1.2	47000.	13.0	10090.
411351	2.	14.	54550.	-0.	479.	14010.	107.	-02.	25.9	219.	3.4	5.	1.2	51700.	10.7	14000.
411352	2.	11.	40100.	0.	308.	7435.	61.	-97.	12.9	00.	-1.5	5.	1.0	32050.	11.0	13100.
411353	3.	17.	07930.	-0.	708.	9000.	90.	-100.	20.2	105.	4.0	6.	1.5	53500.	13.7	31470.
411354	2.	10.	75950.	-0.	000.	8700.	104.	-101.	21.7	98.	4.0	5.	1.5	50590.	13.7	24020.
411355	4.	17.	100100.	-0.	1203.	9752.	150.	-104.	23.1	125.	3.7	6.	1.8	55710.	13.7	15340.
411356	3.	12.	97530.	-0.	1392.	6573.	147.	-110.	25.7	105.	3.0	8.	1.6	56680.	13.0	34810.
411357	3.	6.	00950.	-0.	039.	10750.	90.	-95.	17.7	01.	1.7	5.	1.3	41790.	8.5	19400.
411360	3.	9.	03220.	-0.	1203.	12080.	100.	-121.	22.0	70.	-2.2	9.	1.9	50500.	21.0	20030.
411361	3.	13.	09810.	-0.	1413.	10270.	145.	-120.	18.5	79.	-2.3	6.	1.7	45180.	12.3	29400.
411362	3.	12.	90570.	-0.	1003.	4087.	110.	-109.	18.5	94.	2.7	6.	1.1	50000.	10.6	29940.
411363	2.	12.	02250.	-0.	904.	20430.	123.	-107.	14.5	72.	-1.0	6.	1.7	45540.	20.7	21270.
411364	2.	10.	00200.	-0.	053.	10750.	111.	-111.	15.5	69.	-1.7	8.	1.7	44790.	16.3	17020.
411365	2.	21.	00850.	-0.	007.	14590.	99.	-95.	14.4	74.	3.1	6.	1.2	36700.	14.6	21420.
411366	3.	10.	75100.	-0.	1302.	13490.	139.	-132.	15.8	131.	7.0	8.	1.9	52500.	30.1	25710.
411369	3.	23.	73340.	-0.	1075.	10000.	115.	-90.	17.5	123.	5.9	0.	1.5	43300.	12.3	20900.
411370	3.	22.	45510.	-0.	540.	37230.	130.	221.	23.2	233.	5.0	5.	1.3	49840.	21.7	15020.
411372	3.	32.	72030.	-0.	1284.	14200.	100.	-100.	20.0	133.	7.7	0.	1.4	45530.	9.6	25100.
411373	3.	33.	00070.	-0.	1052.	37730.	90.	217.	10.8	150.	10.2	5.	1.3	43900.	11.4	24700.
411374	3.	22.	07510.	-0.	1109.	21750.	118.	-90.	20.4	7.	4.9	5.	1.5	40730.	14.7	22340.
411375	2.	30.	00020.	-0.	931.	24370.	109.	-97.	22.3	75.	4.2	5.	1.5	43800.	23.7	14500.
411377	2.	30.	50720.	-0.	405.	27040.	71.	130.	13.4	94.	5.1	4.	1.1	32370.	3.0	19020.
411379	3.	31.	50400.	-0.	1000.	35300.	90.	101.	19.0	137.	6.0	4.	1.2	39110.	11.2	20950.
411380	2.	24.	70040.	-0.	1798.	17410.	99.	-119.	16.3	100.	5.5	6.	1.4	43900.	9.2	24050.
411386	2.	14.	55180.	-0.	603.	13090.	90.	-91.	16.9	107.	3.5	5.	1.0	30740.	23.0	19140.
411386	2.	20.	97520.	-0.	1173.	9310.	82.	-105.	10.8	100.	5.5	4.	1.4	40840.	5.9	32890.
411390	2.	15.	57030.	-0.	489.	12790.	80.	-05.	14.3	65.	4.3	4.	1.1	36100.	7.3	15750.
411392	2.	10.	72290.	-0.	1000.	10040.	100.	-101.	12.4	53.	-1.5	5.	1.3	38020.	10.0	10500.
411394	2.	8.	00000.	-0.	705.	15090.	114.	-139.	15.4	01.	-2.0	8.	1.7	50090.	30.2	11930.
411394	2.	10.	03590.	-0.	700.	10000.	104.	-101.	17.0	75.	-2.0	5.	1.3	45300.	20.2	15000.
411399	3.	13.	71900.	-0.	1438.	0413.	73.	-73.	13.1	109.	4.7	4.	1.4	31590.	0.7	22090.
411400	2.	8.	52250.	-0.	540.	13940.	101.	-81.	10.9	90.	2.3	5.	1.1	43190.	15.2	14920.
411401	2.	22.	03490.	-0.	410.	25110.	91.	-90.	10.9	127.	-1.7	4.	1.1	39070.	8.7	11050.
411402	2.	23.	01030.	-0.	504.	29340.	71.	-99.	15.0	90.	-1.4	5.	1.2	30900.	7.9	12700.
411410	2.	22.	52100.	-0.	505.	30700.	102.	-113.	19.9	202.	-1.5	7.	1.5	49320.	15.0	0531.
411411	3.	22.	05950.	-0.	055.	25010.	01.	-103.	17.1	100.	1.7	5.	1.1	39940.	6.4	9425.
411412	2.	11.	43000.	-0.	309.	10090.	70.	-00.	13.3	93.	-1.3	4.	1.0	32970.	9.7	9043.
411420	-1.	10.	42040.	-0.	713.	10000.	51.	020.	23.8	71.	-3.3	3.	1.1	00050.	-1.0	-5130.
411439	-1.	10.	30270.	-0.	091.	4001.	03.	204.	13.7	03.	-3.4	4.	1.0	30290.	3.2	9355.
411442	-1.	0.	50590.	-0.	957.	10400.	55.	-147.	11.0	75.	-2.9	5.	1.4	27820.	5.0	13240.
411445	-1.	2.	9020.	-0.	208.	5040.	77.	250.	30.2	-17.	-3.3	-1.	-3	23050.	-1.0	-5201.
411446	-1.	15.	40070.	-0.	709.	15000.	40.	-130.	50.4	00.	-3.0	3.	.9	90050.	-1.7	-0230.
411490	-1.	17.	53100.	-0.	709.	11570.	00.	-115.	0.9	03.	-2.8	3.	1.1	30500.	5.0	14500.

PLATES STRAIN SERIMENTS

PC. THREE - SAMPLE

SAMPLE NO.	CU PPM	FE PPM	MN PPM	NA PPM	WE PPM	SE PPM	SC PPM	SP PPM	SA PPM	TA PPM	TS PPM	TH PPM	TI PPM	V PPM	IB PPM	ZI PPM	U/TH RATIO
411348	.4	14140.	1231.	14710.	-38.	-2.	24.4	5.0 -344.	-2.	-1.	7.9	10010.	189.	-1.7	177.	2.907	
411349	2.0	12340.	745.	2170.	149.	14.	17.2	21.2 -242.	3.	2.	43.4	7474.	22.	16.9	155.	3.021	
411350	.6	6310.	750.	7661.	134.	-2.	16.0	9.3 -272.	-2.	-1.	22.5	5922.	101.	6.9	174.	4.292	
411351	.5	9320.	645.	13420.	67.	-2.	15.4	10.2 -262.	-1.	-1.	16.8	8784.	112.	4.9	166.	3.115	
411352	.4	10420.	724.	13180.	90.	-3.	16.6	7.6 -211.	-2.	-1.	12.7	5325.	123.	5.2	99.	3.289	
411353	.4	5670.	356.	6827.	75.	-2.	11.6	6.5 -161.	-1.	-1.	15.2	7322.	128.	5.3	129.	3.279	
411354	.4	6210.	664.	5486.	-30.	-2.	12.4	5.9 -295.	-2.	-1.	13.3	6821.	157.	5.4	111.	2.564	
411355	.4	10060.	883.	12740.	94.	-2.	11.7	6.1 -262.	-1.	-1.	14.1	6829.	56.	4.4	133.	3.497	
411356	.4	6024.	904.	13020.	-30.	4.	11.5	6.4 -226.	-1.	-1.	15.5	6949.	52.	5.0	125.	3.650	
411357	.4	6227.	542.	12680.	-30.	-2.	9.5	5.3 -224.	-1.	-1.	13.6	5166.	47.	3.3	-41.	4.098	
411358	.5	11100.	1106.	11570.	105.	6.	15.9	6.3 -353.	-1.	-1.	16.5	6386.	93.	4.5	109.	3.534	
411359	.4	9165.	929.	15040.	111.	5.	14.5	6.3 -296.	-2.	-1.	17.0	7921.	77.	4.5	143.	3.571	
411360	.5	9165.	860.	13630.	101.	-3.	21.1	9.9 -262.	2.	-1.	22.6	5916.	120.	5.4	270.	4.425	
411361	.5	9405.	907.	13240.	174.	-3.	20.6	6.7 -292.	-2.	-1.	21.7	7169.	113.	5.1	-53.	4.167	
411362	.4	7178.	717.	15070.	94.	-2.	13.5	6.1 -260.	2.	-1.	16.9	6168.	71.	4.5	101.	4.306	
411363	.4	7598.	1146.	15020.	106.	-3.	21.3	11.0 -304.	2.	-1.	25.7	9956.	97.	6.7	-49.	4.545	
411364	.5	8760.	1036.	20180.	112.	-5.	16.2	6.1 -361.	-2.	-1.	18.3	7359.	86.	4.7	159.	4.405	
411365	.6	9386.	1197.	12510.	141.	-3.	19.9	7.4 -360.	-1.	-1.	18.1	5042.	81.	5.1	124.	4.464	
411366	.4	8032.	1011.	17230.	86.	-4.	22.4	5.1 -244.	2.	-1.	21.8	7654.	71.	7.4	80.	3.663	
411367	.5	5254.	1291.	12740.	71.	-4.	16.9	9.0 -293.	-1.	-1.	17.6	6057.	68.	7.5	-66.	3.378	
411368	.4	7133.	743.	13160.	96.	2.	12.1	-6 -282.	-1.	-1.	15.3	5865.	68.	4.8	114.	3.413	
411369	.6	7268.	1145.	18060.	102.	-4.	17.1	9.5 -313.	-1.	-1.	22.4	9624.	126.	8.8	139.	3.040	
411370	.4	12490.	810.	14210.	91.	5.	17.1	7.0 -284.	-1.	-1.	18.8	5877.	106.	4.5	104.	3.436	
411371	.4	18630.	1305.	12320.	80.	6.	22.2	11.9 -286.	2.	-1.	16.5	7786.	143.	5.6	-40.	2.632	
411372	.4	11110.	948.	10180.	130.	9.	15.8	7.5 -264.	-1.	-1.	17.8	4194.	102.	4.9	127.	3.155	
411373	.5	18260.	935.	14070.	126.	16.	16.0	6.7 -314.	2.	-1.	20.8	5285.	148.	3.9	113.	2.625	
411374	.4	11400.	933.	15030.	102.	-4.	17.3	7.0 -281.	-1.	-1.	13.5	7363.	97.	5.7	-42.	3.597	
411375	.6	8394.	1006.	16350.	75.	-2.	17.2	7.4 -231.	-1.	-1.	14.9	7317.	86.	6.1	-39.	3.367	
411376	.3	13110.	611.	14900.	-34.	-4.	14.0	4.2 -235.	-1.	-1.	10.5	3006.	75.	3.0	-21.	3.521	
411377	.4	17150.	872.	14640.	108.	4.	17.2	7.1 -214.	-1.	-1.	14.7	4671.	104.	4.3	114.	3.049	
411378	.5	12340.	830.	14260.	105.	-6.	17.9	10.5 -287.	-2.	-1.	16.8	4839.	101.	6.4	177.	3.937	
411379	.7	6716.	860.	14800.	67.	-4.	11.4	9.2 -222.	2.	-1.	17.7	6727.	52.	7.8	53.	3.125	
411380	.3	12730.	702.	10400.	204.	-6.	16.6	9.2 -265.	-2.	-1.	14.9	3602.	108.	-2.8	146.	4.926	
411381	.3	7352.	632.	14270.	106.	-4.	10.6	7.9 -244.	-1.	-1.	13.4	4328.	54.	5.6	110.	4.630	
411382	.5	5511.	788.	19840.	84.	-4.	14.0	4.1 -230.	2.	-1.	17.6	5506.	63.	-2.4	86.	4.717	
411383	1.0	5000.	1978.	15250.	-44.	-6.	23.6	12.3 -372.	-2.	-1.	20.1	7464.	68.	11.6	78.	3.759	
411384	.7	5630.	992.	14960.	75.	-6.	16.0	10.2 -306.	2.	-1.	18.8	9375.	72.	9.3	-99.	4.202	
411394	.4	7214.	415.	7238.	-43.	-6.	15.3	7.0 -226.	-2.	-1.	12.4	5138.	135.	3.7	175.	3.610	
411400	.4	7768.	757.	12010.	82.	-4.	11.3	8.6 -202.	2.	-1.	17.0	6842.	60.	5.5	92.	4.016	
411401	.3	11540.	886.	16560.	47.	-2.	14.9	7.5 -273.	-1.	-1.	9.6	4964.	108.	4.1	-39.	2.358	
411402	.4	10940.	785.	18060.	-26.	-2.	13.3	5.6 -217.	-1.	-1.	9.3	5173.	100.	4.1	121.	2.755	
411410	.5	12400.	1134.	16330.	-32.	-2.	16.4	8.7 -266.	-1.	1.	14.2	8626.	118.	5.2	-999.	2.326	
411411	.3	10640.	809.	17220.	75.	-2.	15.2	6.0 -279.	-1.	-1.	9.4	4465.	100.	3.6	-41.	3.497	
411412	.3	6432.	607.	12470.	-27.	-2.	9.5	4.4 -224.	2.	-1.	11.7	4405.	35.	3.3	-31.	3.817	
411420	.2	6220.	738.	7328.	-79.	-4.	6.9	-3.4 -430.	-2.	-1.	4.7	2917.	100.	-2.9	226.	2.865	
411430	.4	5432.	701.	4521.	-68.	-4.	6.1	5.3 -444.	-2.	-1.	7.2	3543.	93.	-3.0	-44.	2.353	
411442	.3	7624.	512.	9002.	-65.	-3.	11.7	5.1 -353.	-2.	-1.	8.7	3603.	104.	-2.2	-70.	3.155	
411445	.2	-1934.	1213.	1133.	-102.	-4.	2.8	-7 -452.	-2.	-1.	-2.0	-1041.	25.	-3.0	-60.	-999.000	
411446	.1	8212.	1693.	8004.	-73.	-4.	10.4	2.4 -531.	-3.	-1.	4.5	2045.	114.	-2.7	-60.	2.682	
411496	.2	7349.	487.	9856.	-56.	-5.	11.5	4.0 -342.	-2.	-1.	6.0	4079.	109.	-3.1	-99.	2.577	

PE HATES STREAM SEDIMENTS

PG. ONE - SAMPLE 5

SAMPLE NO.	DATE	TIME	PH	COND.	SOLIDS	OPALIN PPM	SILICA PPM	ALUMINUM PPM	CALCIUM PPM	CUPRUM PPM	MANGANESE PPM	NICKEL PPM	LEAD PPM	IRON PPM	ZINC PPM
411501	03.0328	144.4042	7.	167.	10.	1.50	-5.	-5.	-5.	49.	-20.	27.	-5.	-10.	-15.
411502	03.0328	144.4100	10.	177.	10.	2.00	-5.	-5.	-5.	45.	21.	26.	10.	-10.	-15.
411503	03.0328	144.4133	8.	131.	-999.	1.74	-5.	-5.	-5.	57.	-20.	140.	-5.	-10.	-15.
411504	03.0328	144.4166	9.	200.	-999.	5.50	-5.	-5.	-5.	41.	-20.	31.	25.	-10.	-15.
411505	03.0328	144.4199	8.	253.	-999.	3.44	-5.	-5.	-5.	213.	-20.	43.	24.	-10.	-15.
411506	03.0328	144.4232	8.	38.	-999.	6.00	-5.	-5.	-5.	60.	-20.	33.	8.	-10.	-15.
411507	03.0328	144.4265	8.	60.	6.	4.32	-5.	-5.	-5.	39.	-20.	42.	11.	-10.	-15.
411508	03.0328	144.4298	8.	1.	-999.	2.60	-5.	-5.	-5.	53.	-20.	37.	14.	-10.	-15.
411509	03.0328	144.4331	7.	177.	-999.	3.94	-5.	-5.	-5.	49.	-20.	45.	10.	-10.	-15.
411510	03.0328	144.4364	8.	1.	6.	6.60	-5.	9.	-5.	54.	-20.	37.	-5.	-10.	-15.
411511	03.0328	144.4397	9.	11.	-999.	5.33	-5.	-5.	-5.	57.	-20.	47.	15.	-10.	-15.
411512	03.0328	144.4430	8.	11.	-999.	5.95	-5.	-5.	-5.	60.	-20.	61.	21.	-10.	-15.
411513	03.0328	144.4463	8.	2.	-999.	6.05	-5.	-5.	-5.	54.	-20.	43.	12.	-10.	-15.
411514	03.0328	144.4496	8.	2.	-999.	4.39	-5.	6.	-5.	40.	-20.	20.	11.	-10.	-15.
411515	03.0328	144.4529	8.	370.	-999.	6.39	-5.	6.	-5.	54.	-20.	48.	7.	-10.	-20.
411516	03.0328	144.4562	-999.	3.	-999.	5.87	-5.	7.	-5.	45.	-20.	50.	27.	-10.	-15.
411517	03.0328	144.4595	8.	135.	-999.	5.42	-5.	-5.	-5.	60.	-20.	42.	7.	-10.	-15.
411518	03.0328	144.4628	8.	305.	-999.	7.01	-5.	-5.	-5.	71.	-20.	36.	12.	-10.	-15.
411519	03.0328	144.4661	8.	130.	-999.	6.46	-5.	-5.	-5.	53.	-20.	36.	16.	-10.	-15.
411520	03.0328	144.4694	8.	187.	3.	3.64	-5.	6.	-5.	35.	-20.	32.	9.	-10.	-15.
411521	03.0328	144.4727	8.	147.	3.	3.28	-5.	6.	-5.	41.	-20.	26.	10.	-10.	-15.
411522	03.0328	144.4760	8.	148.	3.	3.10	-5.	-5.	-5.	39.	-20.	21.	10.	-10.	-15.
411523	03.0328	144.4793	8.	122.	-999.	2.66	-5.	-5.	-5.	21.	-20.	-15.	10.	-10.	-15.
411524	03.0328	144.4826	7.	24.	-999.	4.30	-5.	-5.	-5.	53.	-20.	23.	20.	-10.	-15.
411525	03.0328	144.4859	7.	9.	6.	5.03	-5.	-5.	-5.	16.	-20.	-15.	12.	-10.	-15.
411526	03.0328	144.4892	8.	14.	7.	8.35	-5.	6.	-5.	30.	-20.	-15.	15.	-10.	-15.
411527	03.0328	144.4925	7.	15.	20.	8.11	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411528	03.0328	144.4958	-999.	-999.	20.	7.03	-5.	-5.	-5.	31.	-20.	18.	-5.	-10.	-15.
411529	03.0328	144.4991	7.	12.	15.	12.71	-5.	-5.	-5.	22.	-20.	20.	11.	-10.	-15.
411530	03.0328	144.5024	7.	3.	-999.	4.94	-5.	-5.	-5.	45.	-20.	-15.	-5.	-10.	-15.
411531	03.0328	144.5057	5.	5.	-999.	2.79	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411532	03.0328	144.5090	9.	45.	-999.	5.44	-5.	-5.	-5.	38.	-20.	22.	7.	-10.	-15.
411533	03.0328	144.5123	7.	5.	3.	22.35	-5.	-5.	-5.	31.	-20.	-15.	-5.	-10.	-15.
411534	03.0328	144.5156	7.	35.	3.	4.30	-5.	6.	-5.	36.	-20.	20.	9.	-10.	-15.
411535	03.0328	144.5189	8.	238.	-999.	4.61	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411536	03.0328	144.5222	9.	354.	-999.	6.90	-5.	-5.	-5.	38.	-20.	37.	21.	-10.	-15.
411537	03.0328	144.5255	-999.	-999.	3.	3.62	-5.	-5.	-5.	47.	-20.	31.	15.	-10.	-15.
411538	03.0328	144.5288	8.	54.	-999.	4.22	-5.	-5.	-5.	36.	-20.	28.	12.	-10.	-15.
411539	03.0328	144.5321	-999.	-999.	4.	3.50	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411540	03.0328	144.5354	8.	220.	-999.	3.33	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411541	03.0328	144.5387	-999.	-999.	9.	5.64	-5.	-5.	-5.	26.	-20.	-15.	21.	-10.	-15.
411542	03.0328	144.5420	8.	166.	-999.	3.71	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411543	03.0328	144.5453	8.	191.	-999.	5.32	-5.	-5.	-5.	50.	-20.	32.	13.	-10.	-15.
411544	03.0328	144.5486	8.	110.	-999.	4.07	-5.	-5.	-5.	53.	-20.	26.	23.	-10.	-15.
411545	03.0328	144.5519	8.	98.	-999.	3.53	-5.	-5.	-5.	44.	-20.	24.	25.	-10.	-15.
411546	03.0328	144.5552	8.	113.	-999.	3.10	-5.	-5.	-5.	28.	-20.	-15.	11.	-10.	-22.
411547	03.0328	144.5585	8.	60.	3.	3.53	-5.	7.	-5.	70.	-20.	36.	20.	-10.	-15.
411548	03.0328	144.5618	8.	204.	-999.	3.56	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411549	03.0328	144.5651	8.	173.	-999.	4.30	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411550	03.0328	144.5684	8.	123.	3.	5.49	-5.	-5.	-5.	69.	-20.	35.	28.	-10.	-15.

ME HATES STEEL ELEMENTS

PG. TWO - SAMPLE

SAMPLE NO.	FE PPM	SI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CU PPM	CR PPM	CS PPM	DT PPM	EU PPM	FE PPM	HF PPM	P PPM	TA PPM
411547	2.	26.	55330.	-0.	480.	37830.	47.	-92.	20.5	113.	-1.4	4.	1.1	98020.	7.4	9114.	24.
411548	2.	30.	71150.	-0.	676.	34340.	45.	-127.	15.9	87.	-1.9	5.	1.1	41916.	4.6	13430.	22.
411549	3.	41.	74500.	-0.	768.	35270.	35.	-109.	32.0	302.	-2.4	3.	1.1	52030.	2.4	13700.	17.
411550	5.	24.	129000.	-0.	1452.	-1154.	160.	-115.	25.1	157.	-3.3	10.	2.0	55180.	7.8	52190.	76.
411551	3.	17.	87140.	-0.	860.	11340.	135.	-113.	16.0	141.	-2.6	2.	1.1	43070.	9.3	10340.	55.
411552	2.	16.	72890.	-0.	745.	16740.	95.	-143.	11.6	146.	-3.2	12.	2.5	41850.	5.2	16150.	85.
411553	3.	14.	95270.	-0.	1046.	8088.	125.	-94.	24.0	100.	3.6	4.	1.6	57660.	10.2	17660.	64.
411554	3.	7.	85440.	-0.	642.	3783.	84.	-80.	15.8	75.	-1.9	3.	.9	34000.	4.5	23720.	36.
411555	3.	14.	95050.	-0.	1239.	13060.	103.	-131.	23.9	117.	10.6	6.	1.6	43470.	7.5	16070.	53.
411556	3.	31.	80140.	-0.	871.	9493.	122.	-96.	25.3	92.	4.9	9.	2.1	64480.	21.2	10960.	79.
411557	3.	16.	65730.	-0.	681.	8473.	157.	-87.	21.9	79.	6.0	6.	1.6	54810.	14.9	21700.	65.
411558	4.	35.	96610.	-0.	1159.	6203.	125.	-99.	26.7	105.	6.5	7.	2.2	62330.	13.2	37240.	77.
411559	5.	33.	124000.	-0.	1431.	4221.	174.	-122.	24.9	106.	5.3	10.	2.4	57600.	4.0	48370.	76.
411560	3.	16.	92040.	-0.	755.	14210.	107.	-130.	16.5	73.	-2.3	7.	1.6	45530.	12.5	11760.	59.
411561	3.	14.	95470.	-0.	844.	3725.	209.	-116.	25.7	111.	-2.6	10.	2.3	58080.	13.5	10400.	107.
411562	3.	25.	113200.	-0.	1049.	-972.	140.	-113.	25.8	104.	4.7	9.	2.3	58300.	11.5	40240.	96.
411563	3.	20.	88160.	-0.	867.	9765.	135.	-113.	19.1	85.	6.7	8.	1.9	57550.	12.2	24780.	71.
411564	3.	25.	80500.	-0.	776.	18440.	134.	-120.	26.2	208.	3.8	7.	1.5	55450.	17.4	24600.	58.
411565	3.	13.	81750.	-0.	760.	14040.	174.	-94.	22.9	72.	-2.1	7.	2.0	57820.	20.8	28000.	70.
411566	1.	27.	52780.	-0.	525.	14350.	150.	-107.	17.1	168.	-1.5	5.	1.0	41590.	17.9	10610.	43.
411567	3.	12.	57510.	-0.	1643.	9730.	60.	-79.	15.3	110.	-1.8	4.	1.3	30430.	8.8	17020.	34.
411568	1.	13.	50840.	-0.	1163.	16170.	54.	-113.	12.4	85.	-2.3	4.	1.3	29170.	6.5	13920.	33.
411569	2.	5.	40400.	-0.	949.	10140.	55.	-85.	7.6	75.	2.7	4.	1.1	17900.	9.5	15090.	23.
411570	2.	7.	40490.	-0.	408.	16710.	65.	-84.	19.4	152.	2.5	5.	1.2	42560.	20.5	7780.	36.
411571	3.	19.	82180.	-0.	1073.	18930.	99.	-102.	14.0	93.	6.5	5.	1.6	42470.	14.6	20250.	47.
411572	2.	42.	83140.	-0.	955.	20030.	105.	-119.	13.3	87.	5.2	4.	1.3	40160.	10.0	24020.	52.
411573	1.	42.	84190.	-0.	1234.	20230.	86.	-115.	16.1	77.	11.6	5.	1.3	47300.	9.1	23990.	49.
411574	4.	11.	75980.	-0.	757.	26490.	100.	-98.	23.4	181.	11.6	5.	1.3	57350.	20.4	15670.	46.
411575	3.	21.	82270.	-0.	1706.	20110.	86.	-108.	15.2	93.	6.1	5.	1.2	41610.	10.4	21670.	54.
411576	1.	9.	64360.	-0.	870.	18160.	56.	-124.	18.3	72.	-2.3	4.	1.0	34060.	4.3	12720.	-9.
411577	-1.	22.	61520.	-0.	679.	15130.	44.	-159.	15.1	67.	-3.0	5.	1.3	41610.	3.9	10890.	-12.
411578	3.	26.	67210.	-0.	721.	21730.	62.	-121.	17.8	100.	-2.5	5.	1.4	36240.	6.6	16470.	38.
411579	2.	15.	65160.	-0.	474.	25950.	60.	-113.	15.0	93.	-2.3	5.	1.5	38440.	8.2	15000.	54.
411580	1.	37.	72270.	-0.	799.	22120.	114.	-99.	15.2	90.	2.5	5.	1.3	38370.	10.7	18510.	56.
411581	-1.	3.	14610.	-0.	-449.	26750.	-10.	521.	-2.4	-17.	-2.9	-3.	-5	45230.	-2.0	-9596.	-15.
411582	3.	24.	58950.	-0.	1448.	34450.	181.	-105.	24.2	151.	3.2	9.	2.3	51970.	28.9	14800.	78.
411583	3.	22.	69350.	-0.	1036.	25210.	134.	-95.	21.3	82.	-2.1	6.	1.7	45850.	8.1	15810.	47.
411584	5.	16.	108900.	-0.	1959.	14290.	112.	-103.	25.2	215.	-2.6	7.	1.9	57270.	7.5	35180.	55.
411585	1.	21.	70680.	-0.	-418.	25440.	58.	-289.	14.3	80.	-5.6	9.	-8	35830.	-3.4	-11000.	-29.
411586	1.	24.	80130.	-0.	1230.	13090.	60.	-123.	17.6	63.	-2.9	6.	1.3	46910.	7.7	24070.	33.
411587	2.	21.	53400.	-0.	293.	30420.	160.	-84.	11.7	88.	-2.0	9.	1.7	33980.	27.1	8290.	68.
411588	2.	36.	42520.	-0.	1473.	23320.	75.	-167.	14.3	87.	-3.3	6.	1.2	35140.	6.1	28080.	-13.
411589	1.	20.	55050.	-0.	481.	38890.	121.	-127.	18.5	93.	-2.2	10.	1.7	61290.	19.2	-4797.	56.
411590	5.	15.	96540.	-0.	1665.	12640.	139.	-91.	20.6	88.	4.2	7.	1.6	52670.	10.0	32010.	56.
411591	3.	20.	73770.	-0.	1127.	14160.	101.	-80.	17.6	62.	3.4	6.	1.2	42220.	6.6	21470.	45.
411592	2.	16.	63560.	-0.	704.	7391.	111.	-102.	10.1	25.	-1.7	7.	1.1	37000.	6.6	14716.	45.
411593	1.	28.	51160.	-0.	1005.	19260.	90.	-155.	18.5	59.	-1.8	6.	1.6	45670.	9.2	13070.	39.
411594	3.	26.	59380.	-0.	1039.	17120.	97.	-109.	14.6	54.	-1.6	8.	1.8	40770.	8.6	15490.	48.
411595	3.	17.	66970.	-0.	1214.	14600.	132.	-140.	20.1	71.	-2.8	8.	1.8	51450.	10.4	22980.	60.
411596	2.	18.	70860.	-0.	855.	14650.	170.	-101.	20.9	86.	-2.2	10.	2.2	50430.	19.7	16950.	85.

[illegible]

PLANTAS DE LA ZONA

PG. 101 - 102

SAMPLE NO.	DATE	TIME	PH	COND.	SCINT.	LOCATION	DEPTH	DEPTH	LOCATION	COPPER	NICKEL	NICKEL	LEAD	IRON	TUNGSTEN
										PPM	PPM	PPM	PPM	PPM	PPM
411661	03.11.72	144.1222	6.	132.	-444.	4.72	-5.	6.	-5.	65.	-20.	35.	15.	-10.	-15.
411662	03.11.72	144.1061	6.	105.	3.	3.27	-5.	-5.	-5.	28.	-20.	15.	15.	-10.	-15.
411663	03.11.72	144.1077	6.	178.	-444.	2.78	-5.	-5.	-5.	44.	-20.	25.	10.	-10.	-15.
411664	03.11.72	144.1069	6.	5.	3.	4.54	-5.	-5.	-5.	51.	-20.	28.	20.	-10.	-15.
411665	03.11.72	144.1047	6.	122.	4.	3.57	-5.	-5.	-5.	54.	-20.	31.	17.	-10.	-15.
411666	03.11.72	144.1064	6.	47.	-444.	5.09	-5.	-5.	-5.	67.	-20.	33.	50.	-10.	-15.
411667	03.11.72	144.1033	6.	167.	-444.	4.70	-5.	-5.	-5.	67.	-20.	17.	65.	-10.	-15.
411668	03.11.72	144.1022	6.	204.	-444.	3.74	-5.	-5.	-5.	57.	-20.	32.	31.	-10.	-15.
411669	03.11.72	144.1014	6.	214.	-444.	3.71	-5.	-5.	-5.	54.	-20.	25.	25.	-10.	-15.
411670	03.11.72	144.1000	6.	200.	-444.	3.91	-5.	-5.	-5.	61.	-20.	20.	12.	-10.	-15.
411671	03.11.72	144.0956	6.	155.	6.	3.22	-5.	-5.	-5.	43.	-20.	-15.	34.	-10.	-15.
411672	03.11.72	144.1147	6.	210.	3.	3.70	-5.	-5.	-5.	37.	-20.	-15.	13.	-10.	-15.
411673	03.11.72	144.1111	6.	265.	9.	3.04	-5.	-5.	-5.	55.	-20.	26.	15.	-10.	-15.
411674	03.11.72	144.0901	7.	120.	0.	4.45	-5.	-5.	-5.	45.	-20.	31.	14.	-10.	-15.
411675	03.11.72	144.1090	6.	221.	-444.	4.54	-5.	-5.	-5.	75.	-20.	50.	23.	-10.	-15.
411676	03.11.72	144.1014	6.	180.	-444.	5.44	-5.	-5.	-5.	74.	-20.	46.	123.	-10.	-15.
411677	03.11.72	144.1097	9.	210.	-444.	4.74	-444.	-444.	-444.	-444.	-444.	-444.	-444.	-444.	-444.
411678	03.11.72	144.0892	7.	38.	1.	5.91	-444.	-444.	-444.	-444.	-444.	-444.	-444.	-444.	-444.
411679	03.11.72	144.0725	6.	41.	3.	13.95	-444.	-444.	-444.	-444.	-444.	-444.	-444.	-444.	-444.
411680	03.11.72	144.0611	7.	9.	1.	17.81	-5.	-5.	-5.	-10.	-20.	-15.	23.	36.	-15.
411681	03.11.72	144.0622	6.	33.	1.	7.43	-5.	9.	-5.	19.	-20.	-15.	13.	-10.	-15.
411682	03.11.72	144.0653	7.	20.	3.	14.44	-5.	-5.	-5.	10.	-20.	-15.	50.	-10.	-17.
411683	03.11.72	144.0394	6.	65.	-444.	5.45	-5.	-5.	-5.	16.	-20.	-15.	31.	-10.	-15.
411684	03.11.72	144.0469	6.	145.	3.	5.00	-5.	-5.	-5.	-10.	-20.	-15.	10.	-10.	-15.
411685	03.11.72	144.0547	9.	158.	5.	1.65	-5.	-5.	-5.	44.	-20.	27.	5.	-10.	-15.
411686	03.11.72	144.0608	9.	153.	5.	2.07	-5.	-5.	-5.	63.	-20.	38.	6.	-10.	-15.
411687	03.11.72	144.0503	6.	150.	3.	1.95	-5.	-5.	-5.	43.	-20.	34.	1.	-10.	-15.
411688	03.11.72	144.0409	9.	86.	6.	7.44	-444.	-444.	-444.	-444.	-444.	99.	-999.	-999.	-999.
411689	03.11.72	144.0401	6.	130.	-444.	6.59	-5.	-5.	-5.	31.	-20.	35.	13.	-10.	-15.
411690	03.11.72	144.0214	9.	23.	6.	8.17	-5.	-5.	-5.	25.	-20.	-15.	9.	-10.	-15.
411691	03.11.72	144.0150	7.	65.	-444.	6.34	-5.	-5.	-5.	30.	-20.	15.	12.	-10.	-15.
411692	03.11.72	144.0289	6.	120.	6.	1.00	-5.	-5.	-5.	33.	-20.	16.	5.	-10.	-15.
411693	03.11.72	144.0339	6.	110.	9.	8.49	-444.	-444.	-444.	-444.	-444.	-444.	-444.	-444.	-444.
411694	03.11.72	144.0447	6.	118.	3.	12.03	-444.	-444.	-444.	-444.	-444.	-444.	-444.	-444.	-444.
411695	03.11.72	144.0130	6.	126.	-444.	3.00	-5.	-5.	-5.	50.	-20.	67.	10.	-10.	-15.
411696	03.11.72	144.0144	7.	2.	-444.	5.82	-5.	-5.	-5.	24.	-20.	50.	28.	-10.	-15.
411697	03.11.72	144.0133	6.	80.	-444.	5.98	-5.	-5.	-5.	39.	-20.	69.	33.	-10.	-15.
411698	03.11.72	144.0304	6.	123.	6.	12.24	-5.	-5.	-5.	22.	-20.	101.	42.	-10.	-15.
411699	03.11.72	144.0183	6.	80.	6.	6.09	-5.	-5.	-5.	31.	-20.	28.	23.	43.	-15.
411700	03.11.72	144.0175	6.	180.	9.	6.81	-5.	-5.	-5.	35.	-20.	22.	7.	-10.	-15.
411701	03.11.72	144.0111	7.	120.	-444.	4.55	-5.	-5.	-5.	41.	-20.	62.	22.	-10.	-15.
411702	03.11.72	144.0325	9.	130.	4.	5.76	-5.	-5.	-5.	59.	-20.	59.	15.	-10.	-15.
411703	03.11.72	144.0444	9.	130.	4.	6.24	-5.	-5.	-5.	53.	-20.	42.	15.	-10.	-15.
411704	03.11.72	144.0800	6.	2.	-444.	4.31	-5.	-5.	-5.	31.	-20.	15.	15.	-10.	-15.
411705	03.11.72	144.0828	9.	120.	3.	5.43	-5.	-5.	-5.	39.	-24.	27.	13.	-10.	-15.
411706	03.11.72	144.0800	6.	257.	-444.	5.97	-5.	-5.	-5.	26.	-20.	34.	11.	-10.	-15.
411707	03.11.72	144.0811	9.	175.	3.	5.53	-5.	-5.	-5.	62.	-20.	19.	32.	-10.	-15.
411708	03.11.72	144.0704	-999.	278.	3.	5.99	-5.	-5.	-5.	45.	-20.	26.	9.	-10.	-15.
411709	03.11.72	144.0933	10.	270.	1.	3.89	-5.	-5.	-5.	56.	-20.	46.	8.	-10.	-15.
411710	03.11.72	144.0928	-999.	348.	4.	2.91	-5.	-5.	-5.	50.	-20.	35.	5.	-10.	-15.

[illegible]

PT. MILE STATION SUBSTANCES														PC. IMPL. - SAMPLE				
STATION	PT. MILE	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	PC. IMPL.	
811700	1.0	10000.	605.	10000.	75.	-3.	17.4	4.1	-223.	-1.	-1.	19.7	6388.	112.	6.7	177.	4.167	
811701	1.1	10000.	612.	10000.	74.	-3.	17.3	7.2	-252.	-2.	-1.	17.3	4571.	114.	5.7	-100.	4.466	
811702	1.2	10000.	621.	13400.	-37.	-3.	18.4	6.3	-250.	-1.	-3.	10.2	5367.	105.	5.2	-42.	3.717	
811703	1.3	10000.	612.	13440.	-34.	-3.	18.3	4.6	-260.	-1.	-1.	15.1	8245.	114.	5.1	-39.	3.289	
811704	1.4	10000.	619.	12300.	-36.	-2.	14.3	2.2	-234.	-1.	-1.	12.2	6005.	122.	3.4	162.	3.077	
811705	1.5	10000.	704.	8350.	103.	-4.	15.2	10.2	-277.	-2.	-1.	22.5	5400.	95.	5.7	240.	4.425	
811706	1.6	10000.	716.	9190.	144.	-5.	20.5	6.7	-365.	-2.	-1.	21.7	5447.	122.	6.4	153.	4.566	
811707	1.7	10000.	1063.	11400.	-37.	-3.	15.2	9.3	-236.	-1.	-1.	16.1	7426.	106.	5.4	-39.	4.310	
811708	1.8	10000.	700.	12240.	70.	3.	15.3	7.3	-215.	-1.	-1.	15.2	6154.	106.	5.6	134.	4.096	
811709	1.9	10000.	736.	14000.	166.	-3.	17.5	7.1	-274.	-1.	-1.	14.6	4988.	95.	5.0	-190.	3.741	
811710	2.0	10000.	543.	16120.	-43.	-4.	17.3	6.8	-261.	-1.	-1.	13.3	3781.	110.	4.5	153.	4.122	
811711	2.1	10000.	605.	12450.	-40.	-3.	14.2	6.1	-295.	-1.	-1.	15.8	5606.	105.	5.5	162.	4.202	
811712	2.2	10000.	621.	14480.	62.	-3.	14.7	11.4	-212.	2.	-1.	19.0	7875.	133.	6.3	111.	3.367	
811713	2.3	10000.	567.	14380.	-41.	-3.	14.5	5.9	-272.	-2.	-1.	11.5	4069.	142.	5.2	144.	3.030	
811714	2.4	10000.	1121.	9840.	164.	-6.	23.1	9.2	-446.	-2.	-1.	17.1	5617.	213.	7.2	343.	3.774	
811715	2.5	10000.	849.	6270.	-42.	-4.	13.5	5.7	-314.	-2.	-1.	20.1	6313.	87.	6.9	-104.	3.356	
811716	2.6	10000.	217.	3147.	-73.	-6.	7.2	2.0	-324.	-4.	-1.	6.5	-746.	36.	-6.0	-76.	.666	
811717	2.7	10000.	684.	25200.	-71.	-5.	7.4	3.5	-540.	-3.	-1.	21.1	2673.	54.	-3.4	-94.	3.571	
811718	2.8	10000.	386.	7040.	-66.	-6.	15.4	9.0	-351.	-2.	-1.	32.5	3421.	99.	7.7	166.	2.326	
811719	2.9	10000.	431.	22480.	40.	-2.	6.6	13.3	-211.	-1.	-999.	51.2	1566.	31.	6.2	-25.	2.965	
811720	3.0	10000.	711.	22400.	100.	-2.	9.4	4.8	-224.	-1.	-1.	20.5	1945.	56.	4.8	94.	2.584	
811721	3.1	10000.	726.	19000.	129.	-4.	10.0	7.5	-315.	-2.	-1.	33.1	2751.	66.	5.3	100.	2.268	
811722	3.2	10000.	444.	22760.	106.	-2.	5.4	6.4	-231.	-1.	-999.	21.5	1355.	21.	4.8	-90.	4.310	
811723	3.3	10000.	354.	23600.	41.	-2.	5.6	7.3	-201.	-1.	-999.	26.7	1066.	27.	5.3	-20.	4.762	
811724	3.4	10000.	733.	19680.	-30.	-2.	16.1	3.6	-241.	-1.	-1.	6.7	4426.	111.	2.7	-34.	4.065	
811725	3.5	10000.	783.	19400.	66.	-2.	17.3	4.2	-231.	-1.	-1.	7.4	4631.	137.	3.7	112.	3.571	
811726	3.6	10000.	803.	20400.	-37.	-2.	17.6	4.5	-266.	-1.	-1.	6.3	4691.	139.	2.2	106.	3.226	
811727	3.7	10000.	1158.	19800.	-66.	-4.	15.5	4.2	-661.	-3.	-1.	8.5	5582.	124.	-2.7	96.	1.135	
811728	3.8	10000.	692.	17050.	99.	-3.	15.6	5.9	-347.	-1.	-1.	11.9	5476.	122.	-1.9	246.	1.805	
811729	3.9	10000.	728.	17840.	-35.	-2.	17.4	5.0	-303.	-1.	-1.	13.3	5508.	116.	4.1	-107.	1.629	
811730	4.0	10000.	932.	15960.	-40.	-3.	16.6	5.2	-326.	-2.	-1.	10.7	4971.	117.	2.8	-12.	1.686	
811731	4.1	10000.	1072.	5273.	-79.	-5.	8.5	3.6	-767.	-2.	-1.	4.7	3340.	71.	-3.4	-53.	2.833	
811732	4.2	10000.	1409.	20940.	-89.	-7.	5.8	-2.2	-929.	-5.	-1.	5.6	4321.	107.	-4.7	-237.	.660	
811733	4.3	10000.	1555.	18150.	-63.	-5.	9.3	2.9	-590.	-3.	-1.	10.8	4063.	84.	-3.3	-90.	.856	
811734	4.4	10000.	641.	11520.	75.	3.	14.8	4.9	-208.	-1.	-1.	8.1	3391.	149.	3.0	-11.	2.646	
811735	4.5	10000.	681.	13470.	102.	-4.	19.4	8.4	-266.	-1.	-1.	25.5	4117.	94.	4.7	138.	4.186	
811736	4.6	10000.	914.	14210.	85.	-3.	19.2	6.8	-274.	-1.	-1.	27.8	4165.	86.	9.4	-42.	4.651	
811737	4.7	10000.	953.	15910.	100.	-3.	18.9	7.3	-224.	-1.	-1.	43.0	2731.	104.	6.9	-92.	3.569	
811738	4.8	10000.	740.	15540.	119.	-3.	16.2	7.2	-237.	-1.	-1.	19.0	4506.	82.	4.2	155.	3.115	
811739	4.9	10000.	782.	12210.	141.	-4.	23.4	12.1	-267.	-1.	-1.	26.1	7906.	109.	7.3	-50.	3.631	
811740	5.0	10000.	854.	11880.	43.	-4.	21.0	7.3	-285.	-2.	-1.	16.2	6576.	90.	5.3	-45.	3.559	
811741	5.1	10000.	924.	12110.	187.	-3.	16.9	6.3	-250.	2.	-1.	22.4	7421.	118.	5.3	111.	3.891	
811742	5.2	10000.	1024.	12170.	147.	-3.	18.3	10.6	-299.	-2.	-1.	22.4	4681.	121.	5.5	115.	3.584	
811743	5.3	10000.	530.	12760.	91.	-3.	15.7	8.9	-204.	-1.	-1.	18.8	4451.	60.	5.1	-35.	4.367	
811744	5.4	10000.	647.	12890.	102.	-2.	14.7	9.5	-191.	3.	-1.	19.1	6217.	92.	7.3	107.	3.484	
811745	5.5	10000.	639.	13260.	63.	-2.	10.6	6.0	-195.	-1.	-1.	13.3	5684.	69.	3.5	63.	3.356	
811746	5.6	10000.	966.	7110.	105.	-2.	11.1	11.9	-243.	-1.	-1.	17.6	5907.	92.	5.7	105.	3.185	
811747	5.7	10000.	1689.	10130.	-49.	-4.	16.6	6.3	-440.	-1.	-1.	14.5	4170.	156.	3.6	142.	2.421	
811748	5.8	10000.	923.	11210.	71.	-3.	16.0	6.0	-255.	-1.	-1.	8.4	4740.	142.	3.1	-35.	2.160	
811749	5.9	10000.	797.	12240.	72.	3.	16.0	5.0	-197.	-1.	-1.	8.2	5406.	155.	2.6	121.	2.817	

PT. HAYS - 11140 - 11171-115

PG. ONE - SAMPLE

7.

SAMPLE NO.	DATE	TIME	PH	COND.	SOLIDS	LEAD PPM	SILICA PPM	CHLORIDE PPM	CALCIUM PPM	COPPER PPM	NITROGEN PPM	NICKEL PPM	LEAD PPM	IRON PPM	TUNGSTEN PPM
11140	63.7.9.1	144.5250	-999.	72.	7.	3.01	-5.	-5.	-5.	55.	-20.	59.	9.	-10.	-15.
11141	63.7.9.1	144.5250	6.	276.	5.	4.04	-5.	-5.	-5.	54.	-20.	31.	18.	-10.	-15.
11142	63.7.9.1	144.5250	6.	7.	-999.	2.32	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
11143	63.7.9.2	144.5317	9.	120.	6.	2.39	-5.	-5.	-5.	30.	-20.	40.	7.	-20.	-15.
11144	63.7.9.2	144.5300	5.	12.	6.	2.15	-5.	-5.	-5.	31.	-20.	15.	10.	-10.	-15.
11145	63.7.9.2	144.5310	6.	23.	4.	2.47	-5.	-5.	-5.	15.	-20.	-15.	5.	-10.	-15.
11146	63.7.9.4	144.5250	7.	7.	1.	3.04	-5.	-5.	-5.	54.	-20.	31.	9.	-10.	-15.
11147	63.7.9.7	144.5203	7.	220.	1.	3.24	-5.	-5.	-5.	57.	-20.	39.	6.	-10.	-15.
11148	63.7.9.7	144.5301	7.	21.	5.	3.18	-5.	-5.	-5.	75.	-20.	51.	-5.	-10.	-15.
11149	63.7.9.9	144.5301	6.	320.	3.	10.75	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
11150	63.7.9.7	144.5470	7.	125.	-999.	5.20	-5.	-5.	-5.	54.	-20.	39.	-5.	-10.	-15.
11151	63.7.9.7	144.5473	7.	153.	4.	3.58	-5.	-5.	-5.	69.	-20.	50.	12.	-10.	-15.
11152	63.7.9.7	144.5470	9.	53.	7.	2.89	-5.	-5.	-5.	52.	-20.	44.	8.	-10.	-15.
11153	63.7.9.9	144.5401	8.	51.	-999.	2.61	-5.	-5.	-5.	14.	-20.	-15.	9.	-10.	-15.
11154	63.7.9.9	144.5384	7.	51.	3.	4.13	-5.	-5.	-5.	23.	-20.	-15.	6.	-10.	-15.
11155	63.7.9.9	144.5391	6.	30.	1.	10.21	-5.	-5.	-5.	11.	-20.	-15.	6.	-10.	-15.
11156	63.7.9.9	144.5384	7.	36.	1.	8.80	-5.	-5.	-5.	15.	-20.	-15.	11.	-10.	-15.
11157	63.7.9.9	144.5319	7.	33.	1.	7.26	-5.	-5.	-5.	-10.	-20.	-15.	14.	-10.	-15.
11158	63.7.9.9	144.5326	7.	125.	4.	3.45	-5.	-5.	-5.	32.	-20.	58.	-5.	-10.	-15.
11159	63.7.9.9	144.5361	7.	33.	1.	3.93	-5.	-5.	-5.	43.	-20.	31.	19.	-10.	-15.
11160	63.7.9.9	144.5339	8.	34.	1.	6.88	-5.	-5.	-5.	29.	-20.	17.	26.	-10.	-15.
11161	63.7.9.9	144.5300	6.	19.	1.	4.94	-5.	-5.	-5.	21.	-20.	-15.	11.	-10.	-15.
11162	63.7.9.9	144.5297	8.	54.	3.	3.55	-5.	-5.	-5.	53.	-20.	46.	13.	-10.	-15.
11163	63.7.9.9	144.5267	8.	134.	12.	4.91	-5.	-5.	-5.	50.	-20.	27.	27.	-10.	-15.
11164	63.7.9.9	144.5297	8.	128.	15.	4.70	-5.	-5.	-5.	64.	-20.	34.	36.	-10.	-15.
11165	63.7.9.9	144.5319	8.	229.	-999.	4.49	-5.	-5.	-5.	41.	-20.	19.	18.	-10.	-15.
11166	63.7.9.9	144.5303	9.	6.	3.	4.75	-5.	-5.	-5.	18.	-20.	20.	12.	-10.	-15.
11167	63.7.9.9	144.5303	8.	237.	3.	3.76	-5.	-5.	-5.	53.	-20.	31.	15.	-10.	-15.
11168	63.7.9.9	144.5351	6.	1.	-999.	3.51	-5.	-5.	-5.	50.	-20.	46.	13.	-10.	-15.
11169	63.7.9.9	144.5311	8.	178.	3.	3.25	-5.	-5.	-5.	49.	-20.	59.	12.	-10.	-15.
11170	63.7.9.9	144.5000	8.	8.	3.	3.57	-5.	-5.	-5.	51.	-20.	28.	10.	-10.	-15.
11171	63.7.9.9	144.4720	8.	7.	9.	3.95	-5.	-5.	-5.	49.	-20.	47.	17.	-10.	-15.
11172	63.7.9.9	144.4275	8.	20.	3.	4.44	-5.	-5.	-5.	50.	-20.	49.	39.	-10.	-15.
11173	63.7.9.9	144.3772	8.	43.	3.	5.03	-5.	-5.	-5.	45.	-20.	35.	20.	-10.	-15.
11174	63.7.9.9	144.3531	8.	43.	4.	4.74	-5.	-5.	-5.	46.	-20.	40.	23.	-10.	-15.
11175	63.7.9.9	144.3325	8.	43.	4.	4.67	-5.	-5.	-5.	41.	-20.	42.	17.	-10.	-15.
11176	63.7.9.9	144.4833	6.	6.	6.	3.38	-5.	-5.	-5.	39.	-20.	16.	20.	-10.	-15.
11177	63.7.9.9	144.4633	8.	50.	-999.	6.54	-5.	-5.	-5.	53.	-20.	31.	16.	-10.	-15.
11178	63.7.9.9	144.5094	8.	1.	-999.	3.00	-5.	-5.	-5.	46.	-20.	68.	18.	-10.	-15.
11179	63.7.9.9	144.5422	8.	79.	-999.	4.45	-5.	-5.	-5.	60.	-20.	32.	45.	-10.	-15.
11180	63.7.9.9	144.4294	8.	178.	-999.	3.23	-5.	-5.	-5.	64.	-20.	43.	14.	-10.	-15.
11181	63.7.9.9	144.3817	8.	44.	4.	6.56	-5.	-5.	-5.	64.	-20.	30.	21.	-10.	-15.
11182	63.7.9.9	144.3781	6.	83.	3.	4.67	-5.	-5.	-5.	65.	-20.	37.	8.	-10.	-15.
11183	63.7.9.9	144.3497	8.	68.	3.	4.61	-5.	-5.	-5.	65.	-20.	23.	30.	-10.	-15.
11184	63.7.9.9	144.3014	8.	28.	6.	3.17	-5.	-5.	-5.	27.	-20.	-15.	14.	-10.	-15.
11185	63.7.9.9	144.3122	9.	307.	-999.	5.12	-5.	-5.	-5.	61.	-20.	26.	22.	-10.	-15.
11186	63.7.9.9	144.2694	8.	77.	3.	3.08	-5.	-5.	-5.	50.	-20.	37.	13.	-10.	-15.
11187	63.7.9.9	144.2350	6.	240.	6.	3.34	-5.	-5.	-5.	49.	-20.	39.	11.	-10.	-15.
11188	63.7.9.9	144.2092	8.	381.	3.	3.69	-5.	-5.	-5.	45.	-20.	26.	16.	-10.	-15.
11189	63.7.9.9	144.1769	8.	123.	3.	3.45	-5.	-5.	-5.	47.	-20.	-15.	26.	-10.	-15.

PG. TWO - SAMPLE 1

PG. TWO - SAMPLE 1

SAMPLE NO.	SI	FE	AL	AU	BA	CA	CE	CL	CU	CR	CS	GT	EU	FE	HF	K	LA
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
411547	3.	27.	50800.	-0.	1617.	31140.	55.	-45.	17.1	102.	-1.7	6.	1.0	38080.	6.8	12440.	31.
411548	3.	25.	65350.	-0.	1326.	4811.	132.	-76.	21.9	117.	5.7	7.	1.5	47570.	8.2	33640.	57.
411549	-1.	20.	85150.	-0.	851.	10310.	45.	-111.	18.9	120.	5.1	4.	1.3	48670.	5.3	16710.	29.
411550	-1.	24.	51210.	-0.	133.	24840.	71.	-45.	25.1	120.	-2.0	4.	1.8	61630.	7.0	7550.	37.
411551	2.	11.	71550.	-0.	1672.	14360.	50.	207.	10.1	51.	3.5	5.	.9	31680.	5.4	14710.	29.
411552	2.	22.	64170.	-0.	952.	15580.	55.	-92.	11.5	112.	-2.1	5.	1.5	35990.	8.3	12000.	36.
411553	3.	68.	85650.	-0.	892.	15040.	55.	-177.	16.8	101.	-2.1	7.	1.3	46770.	5.4	13130.	32.
411554	3.	25.	47480.	-0.	1355.	30640.	51.	-82.	17.3	92.	-1.8	5.	1.4	39240.	6.4	10260.	42.
411555	3.	27.	44710.	-0.	1455.	33160.	45.	-92.	14.2	119.	3.7	5.	1.6	45070.	7.6	12150.	41.
411556	2.	29.	76260.	-0.	1257.	28270.	50.	-120.	15.5	115.	5.0	5.	1.5	45120.	8.2	19050.	42.
411557	2.	29.	46150.	-0.	1584.	33030.	92.	-97.	17.3	94.	3.1	5.	1.1	39860.	6.5	12240.	38.
411558	3.	22.	57310.	-0.	1613.	33440.	47.	-90.	20.8	165.	-2.6	5.	1.5	1520.	5.6	9565.	40.
411559	4.	23.	51850.	-0.	1396.	26200.	58.	-86.	20.4	156.	-1.7	4.	1.5	45630.	8.6	15940.	43.
411560	3.	16.	72050.	-0.	953.	21160.	51.	-116.	10.6	59.	-2.0	7.	1.3	29320.	24.4	21000.	39.
411561	1.	4.	47090.	-0.	667.	9742.	93.	295.	7.9	41.	-2.5	4.	.6	26300.	3.5	11560.	45.
411562	2.	22.	69250.	-0.	1074.	15530.	104.	-92.	6.7	12.	6.2	5.	1.6	23480.	15.2	26310.	53.
411563	4.	47.	77940.	-0.	972.	13770.	93.	-119.	8.7	17.	11.3	6.	1.1	32460.	9.4	29510.	40.
411564	3.	32.	76630.	-0.	1069.	19580.	94.	-109.	5.7	-8.	5.3	6.	1.1	23140.	12.8	21730.	44.
411565	3.	15.	53310.	-0.	565.	9138.	94.	-74.	13.2	62.	-1.5	5.	1.2	37340.	11.6	19850.	45.
411566	3.	23.	63980.	-0.	665.	7637.	64.	-72.	16.1	76.	2.9	5.	1.1	37420.	10.1	19250.	41.
411567	3.	23.	72340.	-0.	901.	10360.	116.	-89.	14.3	58.	6.6	5.	1.1	38910.	7.9	25530.	54.
411568	2.	17.	63830.	-0.	671.	8319.	56.	-76.	15.7	64.	3.8	4.	1.0	36100.	8.7	22010.	37.
411569	1.	24.	54320.	-0.	942.	23650.	86.	-84.	17.7	98.	3.1	5.	1.3	40160.	10.0	14530.	36.
411570	3.	11.	73360.	-0.	890.	19260.	127.	-101.	27.0	99.	2.1	8.	1.7	55490.	14.6	23580.	67.
411571	2.	15.	57750.	-0.	641.	23320.	120.	-93.	31.0	91.	-1.8	7.	1.4	51780.	16.4	16160.	56.
411572	2.	12.	76590.	-0.	700.	19760.	127.	-98.	21.3	49.	2.8	8.	1.7	53100.	12.9	21050.	57.
411573	3.	28.	59940.	-0.	685.	14860.	96.	-83.	8.7	47.	1.8	5.	1.1	28210.	6.6	16900.	46.
411574	4.	16.	78410.	-0.	1506.	28980.	113.	-121.	18.6	111.	-2.7	8.	1.5	46130.	7.8	22590.	51.
411575	1.	34.	70030.	-0.	857.	33090.	133.	169.	31.6	80.	5.3	10.	2.0	80440.	7.3	20730.	52.
411576	2.	22.	51440.	-0.	915.	30500.	93.	-85.	18.8	101.	-1.6	6.	1.6	41510.	8.6	13660.	45.
411577	2.	20.	59860.	-0.	901.	24720.	65.	-85.	19.3	91.	-1.4	6.	1.4	40220.	10.2	14060.	40.
411578	3.	25.	61050.	-0.	1062.	14160.	113.	-102.	18.8	58.	2.2	7.	1.5	48520.	9.1	25080.	57.
411579	2.	19.	67420.	-0.	756.	11410.	126.	-83.	22.4	122.	5.9	7.	1.4	48430.	13.0	21620.	53.
411580	2.	15.	58870.	-0.	462.	17960.	126.	-90.	26.7	66.	-1.6	7.	1.5	50700.	17.2	15650.	59.
411581	2.	16.	81610.	-0.	987.	10560.	121.	-96.	18.6	82.	-1.7	7.	1.7	46390.	14.6	27250.	62.
411582	2.	17.	72560.	-0.	904.	11540.	107.	-111.	19.7	66.	5.0	7.	1.5	45960.	12.8	24280.	52.
411583	2.	25.	67570.	-0.	1061.	8736.	81.	-109.	13.2	63.	2.6	7.	1.2	39970.	5.8	20550.	45.
411584	2.	34.	67470.	-0.	667.	7764.	175.	-92.	21.0	77.	3.1	10.	2.1	41090.	18.6	20060.	78.
411585	2.	31.	55450.	-0.	1044.	51750.	80.	-93.	27.1	115.	3.4	6.	1.8	51460.	7.6	10250.	40.
411586	2.	15.	64440.	-0.	1805.	4502.	105.	-114.	14.4	64.	3.1	5.	1.2	45830.	8.6	16380.	54.
411587	2.	23.	52350.	-0.	998.	47730.	114.	-94.	29.3	130.	-2.1	7.	1.8	51930.	9.9	11270.	40.
411588	2.	9.	64910.	-0.	715.	5456.	237.	-71.	23.8	60.	3.1	11.	2.6	53680.	20.5	27570.	105.
411589	3.	11.	87990.	-0.	1012.	4986.	146.	-89.	24.1	73.	3.5	8.	1.8	52570.	11.7	30920.	76.
411590	4.	13.	42870.	-0.	2505.	11070.	94.	-141.	19.2	70.	-3.0	10.	1.3	49620.	8.0	33540.	57.
411591	2.	10.	68540.	-0.	985.	5130.	94.	-117.	4.1	35.	-2.2	8.	1.3	36150.	6.7	25600.	49.
411592	3.	20.	103700.	-0.	1168.	14450.	268.	-88.	25.3	104.	6.3	10.	1.8	52330.	12.5	36320.	80.
411593	2.	26.	56970.	-0.	1034.	35660.	86.	-97.	19.2	111.	-1.6	6.	1.6	42280.	8.0	11940.	36.
411594	2.	37.	56990.	-0.	865.	38800.	92.	-114.	21.4	82.	-2.0	8.	1.7	42060.	8.1	12510.	48.
411595	2.	38.	59230.	-0.	1025.	43030.	104.	-105.	24.8	114.	-2.4	7.	2.1	50750.	10.4	13140.	46.
411596	2.	14.	68280.	-0.	1465.	9412.	94.	-95.	12.4	65.	-2.1	6.	1.6	33960.	6.1	23520.	39.

SAMPLE NO.	ED PPM	EC PPM	PH PPM	HA PPM	HE PPM	CP PPM	SC PPM	SM PPM	SP PPM	TA PPM	TS PPM	TH PPM	TI PPM	V PPM	CP PPM	ZH PPM	W/TD RATIO
611867	2	12140.	772.	11650.	-37.	-3.	18.8	5.7	-285.	-1.	-1.	8.2	3900.	156.	4.2	106.	2.725
611868	2	10850.	671.	6540.	136.	-4.	18.0	5.3	-280.	-1.	-1.	18.5	4882.	113.	5.1	-52.	4.507
611869	2	10750.	874.	17220.	-47.	-4.	19.1	3.6	-317.	-1.	-1.	5.1	4237.	162.	-2.6	130.	2.141
611870	2	12060.	1369.	12470.	55.	-3.	22.0	5.1	-315.	-1.	-1.	8.7	8737.	132.	3.4	-45.	3.636
611871	2	9074.	365.	13210.	-47.	-4.	18.6	5.3	-261.	-1.	-1.	8.4	4680.	123.	-2.6	-148.	3.155
611872	2	10410.	416.	15950.	-40.	-3.	15.6	5.4	-245.	-1.	-1.	9.9	4465.	122.	2.9	-999.	3.133
611873	2	13500.	767.	23210.	-56.	-4.	17.6	5.2	-371.	-1.	-1.	7.6	6122.	154.	-2.4	123.	2.500
611874	2	11190.	814.	10940.	-34.	-3.	15.5	6.2	-252.	-1.	-1.	9.9	4486.	132.	4.2	-36.	3.056
611875	2	12030.	906.	11220.	-24.	-2.	17.0	7.6	-246.	-1.	-1.	10.5	6203.	148.	3.9	142.	3.289
611876	2	14900.	959.	16740.	116.	-3.	21.3	7.6	-348.	-2.	-1.	18.6	3817.	158.	-2.5	-56.	1.724
611877	2	10950.	800.	12170.	-33.	-3.	15.8	6.1	-233.	-1.	-1.	7.5	4704.	140.	2.8	-16.	2.142
611878	2	14440.	994.	12370.	-38.	-3.	19.3	6.0	-283.	-1.	-1.	10.6	6772.	170.	4.9	-999.	2.959
611879	2	13680.	940.	12660.	-33.	-3.	18.0	5.3	-259.	-1.	-1.	9.1	6520.	171.	3.0	-36.	3.145
611880	2	7213.	666.	21610.	-37.	-3.	14.6	6.6	-240.	-1.	-1.	18.4	3761.	61.	6.3	127.	2.700
611881	2	-2006.	274.	10110.	-49.	-4.	9.4	6.1	-247.	-2.	-1.	10.1	2664.	67.	-2.6	80.	2.445
611882	2	4129.	598.	18120.	151.	-3.	7.4	6.6	-196.	-1.	-1.	30.1	1971.	44.	6.1	36.	2.950
611883	2	5845.	819.	16670.	135.	-2.	10.5	6.5	-276.	-1.	-1.	26.0	2852.	66.	5.5	92.	2.944
611884	2	4516.	651.	24010.	102.	-2.	10.2	7.7	-264.	-1.	-1.	26.7	1850.	40.	7.2	-30.	3.476
611885	2	6964.	885.	9043.	-30.	-2.	11.2	6.0	-247.	-1.	-1.	14.8	4286.	71.	3.6	53.	3.745
611886	2	9184.	748.	8521.	77.	-2.	12.2	5.3	-199.	-1.	-1.	15.1	5031.	74.	3.8	60.	3.846
611887	2	9011.	750.	12750.	145.	-3.	11.9	7.4	-260.	-1.	-1.	25.2	3159.	78.	5.5	-53.	3.663
611888	2	6526.	741.	10490.	83.	-3.	11.0	5.8	-240.	-1.	-1.	17.4	3644.	67.	3.0	-36.	3.521
611889	2	11730.	675.	14270.	-30.	-4.	14.1	5.8	-195.	-1.	-1.	12.5	5531.	111.	3.4	123.	3.521
611890	2	8671.	678.	12880.	102.	-3.	12.6	4.5	-235.	-1.	-1.	18.8	7911.	93.	5.2	89.	3.831
611891	2	7318.	710.	14810.	-39.	-3.	12.3	7.7	-253.	-2.	-1.	17.4	7367.	82.	7.0	167.	3.704
611892	2	8049.	775.	16900.	116.	-3.	17.9	9.2	-265.	-1.	-1.	21.4	8113.	94.	5.0	-45.	4.762
611893	2	6613.	565.	15530.	109.	-2.	12.7	7.0	-180.	-1.	-1.	20.7	2458.	57.	5.7	50.	4.367
611894	2	12080.	648.	10370.	156.	-4.	19.4	6.0	-306.	-2.	-1.	16.0	5799.	140.	-3.1	-122.	4.255
611895	2	19400.	1178.	14715.	-58.	-5.	21.0	10.4	-375.	-2.	-1.	12.6	10600.	132.	8.0	262.	3.584
611896	2	10770.	686.	13470.	-33.	-4.	15.7	7.2	-233.	-1.	-1.	10.9	7003.	117.	4.5	-39.	3.356
611897	2	16370.	690.	14610.	51.	-2.	18.5	5.9	-198.	-1.	-1.	12.2	6802.	116.	3.7	102.	3.401
611898	2	10280.	724.	12000.	95.	-3.	17.8	7.9	-247.	-1.	-1.	14.6	6188.	117.	5.0	164.	3.690
611899	2	13140.	782.	9712.	103.	12.	14.7	8.3	-268.	-1.	-1.	16.4	4029.	92.	5.7	120.	3.690
611900	2	8204.	809.	14080.	-38.	-3.	14.6	6.7	-260.	-1.	-1.	20.2	7272.	73.	6.2	-44.	4.610
611901	2	8402.	754.	14640.	84.	-3.	15.6	-5	-230.	-2.	-1.	18.7	6305.	95.	4.6	125.	3.906
611902	2	7543.	718.	15260.	119.	-3.	14.4	6.9	-254.	-1.	-1.	16.6	7040.	87.	4.5	62.	3.597
611903	2	11000.	513.	21940.	-39.	-3.	17.2	5.2	-260.	-2.	-1.	12.9	4662.	113.	5.0	-24.	3.617
611904	2	7650.	657.	11020.	109.	-3.	13.0	11.3	-266.	-1.	-1.	23.5	6984.	76.	6.3	-51.	3.584
611905	2	17320.	798.	16580.	-35.	-5.	23.3	7.4	-210.	-2.	-1.	9.9	9027.	172.	5.6	119.	3.306
611906	2	9787.	562.	19390.	122.	-3.	18.7	8.4	-236.	-2.	-1.	16.2	5611.	122.	6.2	322.	3.638
611907	2	15280.	829.	15330.	-39.	-3.	22.6	7.0	-261.	-1.	-1.	9.2	10290.	162.	4.9	-48.	2.793
611908	2	7452.	572.	8278.	-43.	-3.	12.0	15.1	-231.	-1.	-1.	33.6	4860.	67.	8.7	177.	5.128
611909	2	7474.	686.	12440.	140.	-3.	16.7	6.6	-219.	-1.	-1.	23.9	6867.	98.	6.3	147.	4.902
611910	2	15760.	746.	11690.	141.	-5.	23.9	7.9	-347.	-1.	-1.	16.6	4913.	208.	4.8	252.	3.597
611911	2	8415.	483.	22600.	-41.	-3.	15.6	7.3	-274.	-1.	-1.	14.7	3681.	60.	7.0	187.	4.630
611912	2	6100.	762.	7699.	179.	-4.	20.5	14.6	-298.	-2.	-1.	30.7	7597.	120.	6.2	-54.	5.988
611913	2	15710.	734.	15540.	-35.	-5.	19.3	6.3	-224.	-1.	-1.	10.4	7801.	142.	5.2	146.	3.378
611914	2	14170.	741.	15390.	-47.	-3.	19.3	6.1	-256.	-1.	-1.	10.6	8010.	144.	3.9	221.	3.175
611915	2	16340.	815.	15970.	-43.	-4.	22.7	7.6	-296.	-1.	-1.	13.1	8446.	159.	4.6	66.	3.546
611916	2	11520.	523.	17670.	-38.	-3.	18.4	5.5	-253.	-1.	-1.	15.1	4161.	105.	5.5	-41.	4.386

PT. HAYES STREAM SEDIMENTS

PG. ONE - SAMPLE

SAMPLE NO.	DATE	TIME	PH	COND.	SCINT.	LOCATION	SILVER PPM	SILVER PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	NICKEL PPM	LEAD PPM	IRON PPM	THALLIUM PPM
411938	12.27.7	144.2081	8.	77.	0.	5.30	-5.	-5.	-5.	82.	-20.	32.	57.	-10.	-15.
411939	12.27.7	144.2164	8.	143.	9.	4.72	-5.	-5.	-5.	51.	-20.	30.	22.	-10.	-15.
411940	12.27.7	144.2250	8.	60.	-444.	3.63	-5.	-5.	-5.	51.	-20.	30.	10.	-10.	-15.
411941	12.27.7	144.2325	8.	55.	0.	4.12	-5.	-5.	-5.	54.	-20.	35.	15.	-10.	-15.
411942	12.27.7	144.2414	8.	176.	0.	3.72	-5.	-5.	-5.	39.	-20.	31.	15.	-10.	-15.
411943	12.27.7	144.2539	8.	43.	3.	3.20	-5.	-5.	-5.	55.	-20.	36.	20.	-10.	-15.
411944	12.27.7	144.2639	8.	133.	0.	2.54	-5.	-5.	-5.	45.	-20.	30.	13.	-10.	-15.
411945	12.27.7	144.2714	8.	23.	-444.	2.65	-5.	-5.	-5.	60.	-20.	32.	6.	-10.	-15.
411946	12.27.7	144.2808	8.	2.	-444.	3.42	-5.	-5.	-5.	69.	-20.	39.	19.	-10.	-15.
411947	12.27.7	144.2817	8.	180.	-444.	2.35	-5.	-5.	-5.	57.	-20.	30.	0.	-10.	-15.
411948	12.27.7	144.2911	7.	180.	-444.	2.65	-5.	-5.	-5.	44.	-20.	44.	-5.	-10.	-15.
411949	12.27.7	144.3033	8.	66.	-444.	5.09	-5.	-5.	-5.	20.	-20.	-15.	21.	15.	-15.

PT. HAYES STREAM SEDIMENTS

PG. TWO - SAMPLE

SAMPLE NO.	BI PPM	LI PPM	AI PPM	AM PPM	BA PPM	CA PPM	CE PPM	CL PPM	CU PPM	CH PPM	CS PPM	NY PPM	EU PPM	FE PPM	HI PPM	K PPM	LA PPM
411938	2.	12.	77050.	-0.	1206.	10500.	122.	-89.	28.6	82.	-1.4	0.	1.4	55940.	16.9	23320.	57.
411939	8.	10.	110460.	-0.	1207.	10250.	153.	-113.	21.0	95.	4.4	9.	1.4	53340.	12.0	42630.	74.
411940	3.	10.	55890.	-0.	918.	22360.	99.	-68.	17.7	100.	4.5	6.	1.4	40710.	0.3	14020.	43.
411941	3.	10.	57440.	-0.	1052.	24490.	123.	-85.	17.0	89.	4.4	6.	1.8	42960.	13.0	13780.	49.
411942	3.	10.	63260.	-0.	1207.	22400.	84.	-105.	15.3	96.	-1.8	5.	1.5	40090.	6.9	19180.	40.
411943	3.	10.	72910.	-0.	1317.	18560.	92.	-113.	15.9	75.	4.8	6.	1.3	41280.	5.9	25290.	30.
411944	2.	22.	49060.	-0.	857.	34740.	73.	-92.	17.1	84.	2.6	5.	1.4	39940.	6.3	12260.	36.
411945	3.	9.	57800.	-0.	720.	14075.	75.	-120.	11.0	93.	-2.9	5.	1.7	27940.	8.0	19220.	20.
411946	3.	10.	73650.	-0.	1143.	15180.	81.	-113.	22.7	83.	-2.3	6.	1.4	30600.	7.4	21810.	45.
411947	2.	31.	67410.	-0.	725.	39400.	59.	-125.	20.0	121.	-1.9	6.	1.2	47030.	6.0	10460.	26.
411948	2.	30.	67180.	-0.	591.	45460.	80.	-116.	22.7	159.	-2.3	6.	1.3	54250.	8.7	9595.	33.
411949	5.	82.	70160.	-0.	744.	19900.	70.	-103.	7.3	41.	5.7	5.	1.0	23490.	8.8	26380.	37.

PT. HAYES STREAM SEDIMENTS

PG. THREE - SAMPLE

SAMPLE NO.	CO PPM	CR PPM	MG PPM	NA PPM	PH PPM	SE PPM	SC PPM	SM PPM	SF PPM	TA PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	U/TH RATIO
411938	0.	8926.	730.	12070.	104.	-3.	10.3	6.1	-220.	-2.	-1.	18.9	6924.	114.	6.0	3.571
411939	0.	8070.	710.	9735.	207.	-4.	20.9	10.2	-292.	-2.	-1.	20.3	6806.	124.	6.0	4.292
411940	0.	12090.	703.	13870.	-35.	0.	14.4	6.0	-247.	-1.	-1.	13.6	6110.	108.	3.8	3.745
411941	0.	11050.	717.	13320.	-35.	-3.	16.8	6.6	-247.	-1.	-1.	14.6	7324.	116.	7.6	3.546
411942	0.	12300.	690.	13480.	68.	-3.	15.3	6.4	-251.	-1.	-1.	11.7	6096.	123.	3.2	3.145
411943	0.	12480.	724.	12240.	90.	0.	16.0	6.0	-273.	-1.	-1.	10.6	4676.	134.	3.2	3.236
411944	0.	11720.	748.	14520.	-35.	-3.	16.1	6.3	-252.	-1.	-1.	9.5	6002.	123.	3.2	3.663
411945	0.	9826.	368.	11460.	-53.	-5.	15.0	6.5	-317.	-2.	-1.	12.3	5189.	108.	-2.9	4.310
411946	0.	13790.	442.	13280.	74.	-4.	16.2	6.0	-247.	-2.	-1.	11.7	5465.	131.	4.2	3.422
411947	0.	15230.	886.	20240.	-38.	-3.	20.3	5.0	-276.	-1.	1.	7.1	6093.	167.	3.4	3.021
411948	0.	19070.	905.	20250.	-45.	-4.	23.8	5.7	-312.	-1.	-1.	7.0	6162.	194.	4.2	2.639
411949	0.	6717.	565.	21620.	129.	-3.	11.0	5.8	-247.	-1.	-1.	19.3	2352.	58.	4.1	3.617

Appendix B. Lake Sediment Data

PI HAVES LAKE SEDIMENTS

PG. ONE - SAMPLE 1

SAMPLE NO.	DATE	TIME	PH	CLNO.	SCIP.	CHLORIN PPM	SILICA PPM	ALUMINUM PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
410871	03.0047	146.5147	6.	3.	-999.	.45	-5.	-5.	-5.	56.	-20.	22.	-5.	-10.	-15.
410872	03.0175	146.5264	7.	17.	-999.	.67	-5.	-5.	-5.	44.	-20.	29.	-5.	-10.	-15.
410873	03.0234	146.5317	7.	24.	-999.	1.49	-5.	-5.	-5.	81.	-20.	64.	-5.	-10.	-15.
410874	03.0219	146.5429	7.	2.	-999.	1.65	-5.	-5.	-5.	48.	-20.	27.	-5.	-10.	-15.
410875	03.0192	146.5511	7.	2.	-999.	1.37	-5.	-5.	-5.	42.	-20.	74.	-5.	25.	-15.
410876	03.0327	146.5659	7.	1.	-999.	.44	-5.	-5.	-5.	40.	-20.	15.	-5.	-10.	-15.
410877	03.0327	146.5775	7.	2.	-999.	.44	-5.	-5.	-5.	31.	-20.	15.	-5.	-10.	-15.
410878	03.0197	146.5811	7.	1.	-999.	1.75	-5.	-5.	-5.	37.	-20.	27.	-5.	-10.	-15.
410879	03.0114	146.5906	7.	2.	-999.	1.44	-5.	-5.	-5.	36.	-20.	32.	-5.	-10.	-15.
410880	03.0403	146.6017	7.	32.	-999.	1.47	-5.	-5.	-5.	55.	-20.	25.	-5.	-10.	-15.
410881	03.0408	146.6104	7.	48.	-999.	1.25	-5.	-5.	-5.	77.	-20.	34.	-5.	-10.	-15.
410882	03.0319	146.6258	7.	42.	-999.	1.19	-5.	-5.	-5.	65.	-20.	50.	-5.	-10.	-15.
410883	03.0201	146.6356	8.	1.	-999.	1.60	-5.	-5.	-5.	26.	-20.	51.	-5.	-10.	-15.
410884	03.0106	146.6417	8.	21.	-999.	.45	-5.	-5.	-5.	38.	-20.	36.	-5.	-10.	-15.
410885	03.0020	146.6521	8.	2.	-999.	1.62	-5.	-5.	-5.	36.	-20.	28.	-5.	-10.	-15.
410886	03.0047	146.6675	8.	5.	-999.	1.68	-5.	-5.	-5.	33.	-20.	50.	-5.	-10.	-15.
410887	03.0131	146.6750	8.	2.	-999.	1.51	-5.	-5.	-5.	48.	-20.	47.	12.	-10.	-15.
410888	03.0059	146.6877	7.	1.	-999.	1.67	-5.	-5.	-5.	37.	-20.	41.	-5.	-10.	-15.
410889	03.0197	146.6967	7.	61.	-999.	1.34	-5.	-5.	-5.	50.	-20.	72.	-5.	-10.	-15.
410890	03.1222	146.7108	8.	8.	-999.	6.38	-5.	-5.	-5.	28.	-20.	19.	6.	-10.	-15.
410891	03.0650	146.7133	8.	5.	-999.	2.27	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410892	03.0131	146.7367	7.	6.	-999.	7.16	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410893	03.0122	146.7464	9.	40.	-999.	1.51	-5.	-5.	-5.	34.	-20.	15.	-5.	-10.	-15.
410894	03.0625	146.7578	8.	27.	-999.	2.74	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410895	03.0303	146.7639	8.	4.	-999.	1.94	-5.	-5.	-5.	32.	-20.	15.	9.	-10.	-15.
410896	03.0267	146.7725	8.	5.	-999.	2.28	-5.	-5.	-5.	28.	-20.	15.	12.	-10.	-15.
410897	03.0269	146.7889	7.	30.	-999.	2.34	-5.	-5.	-5.	54.	-20.	59.	8.	-10.	-15.
410898	03.0358	146.7981	8.	21.	-999.	1.47	-5.	-5.	-5.	34.	-20.	20.	8.	-10.	-15.
410899	03.0331	146.8103	8.	6.	-999.	1.87	-5.	-5.	-5.	37.	-20.	53.	-5.	-10.	-15.
410900	03.0319	146.8269	8.	3.	-999.	2.28	-5.	-5.	-5.	51.	-20.	35.	7.	-10.	-15.
410901	03.0201	146.8403	7.	7.	-999.	2.18	-5.	-5.	-5.	63.	-20.	51.	9.	-10.	-15.
410902	03.0150	146.8589	7.	22.	-999.	7.83	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410903	03.0214	146.8750	7.	3.	-999.	1.01	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410904	03.0194	146.8958	7.	3.	-999.	2.17	-5.	-5.	-5.	66.	-20.	35.	7.	-10.	-15.
410905	03.0203	146.9036	7.	1.	-999.	2.25	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410906	03.0075	146.9261	9.	121.	-999.	2.04	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410907	03.0233	146.9450	8.	112.	-999.	2.92	-5.	-5.	-5.	63.	-20.	41.	15.	-10.	-15.
410908	03.0108	146.9629	8.	8.	-999.	1.31	-5.	-5.	-5.	52.	-20.	67.	-5.	-10.	-15.
410909	03.0264	146.9819	8.	6.	-999.	2.27	-5.	-5.	-5.	55.	-20.	43.	10.	-10.	-15.
410910	03.0061	146.9958	8.	7.	-999.	2.30	-5.	-5.	-5.	76.	-20.	55.	-5.	-10.	-15.
410911	03.0053	146.9983	9.	46.	-999.	2.21	-5.	-5.	-5.	58.	-20.	44.	9.	-10.	-15.
410912	03.0875	146.9961	9.	32.	-999.	1.01	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410913	03.0661	146.9903	-999.	8.	-999.	1.39	-5.	-5.	-5.	35.	-20.	49.	6.	-10.	-15.
410914	03.0936	146.9976	9.	9.	-999.	2.14	-5.	-5.	-5.	60.	-20.	75.	-5.	-10.	-15.
410915	03.0603	146.9956	8.	58.	-999.	1.60	-5.	-5.	-5.	52.	-20.	86.	-5.	-10.	-15.
410916	03.0675	146.9919	8.	76.	-999.	1.57	-5.	-5.	-5.	24.	-20.	38.	-5.	-10.	-15.
410917	03.0619	146.9897	8.	37.	-999.	.76	-5.	-5.	-5.	30.	-20.	36.	-5.	-10.	-15.
410918	03.0630	146.9844	8.	40.	-999.	.66	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
410919	03.0675	146.9594	9.	50.	-999.	1.31	-5.	-5.	-5.	41.	-20.	45.	-5.	-10.	-15.
410920	03.0650	146.9028	9.	9.	-999.	1.50	-5.	-5.	-5.	46.	-20.	36.	-5.	-10.	-15.

MT. RILEY LAKE SEDIMENTS

PG. TWO - SAMPLE 1

SAMPLE NO.	HF PPM	LI PPM	AL PPM	PO PPM	FE PPM	CA PPM	CE PPM	CI PPM	CU PPM	CR PPM	CS PPM	EF PPM	EU PPM	FR PPM	HF PPM	NI PPM	LA PPM
410871	-1.	3.	34120.	-0.	310.	4883.	38.	412.	4.7	49.	-2.3	5.	1.0	11250.	-1.4	-3143.	11.
410872	-1.	3.	22250.	-0.	659.	9319.	25.	351.	10.7	72.	-2.2	3.	.8	28120.	-1.4	-4211.	-4.
410873	3.	34.	79750.	-0.	488.	32130.	47.	-132.	23.0	127.	4.5	5.	1.4	51530.	3.3	14770.	19.
410875	2.	22.	71730.	-0.	449.	26320.	35.	512.	13.4	100.	-2.1	4.	1.0	33960.	5.0	7751.	15.
410877	3.	15.	47240.	-0.	-127.	37140.	35.	-103.	19.3	240.	-2.1	3.	1.2	51710.	5.2	-3314.	17.
410877	-1.	7.	32200.	-0.	-147.	12040.	19.	552.	4.8	38.	-2.1	2.	-.3	8251.	-1.3	-3615.	-5.
410878	-1.	5.	18150.	-0.	472.	-1409.	14.	412.	-1.9	42.	-2.0	-1.	-.3	7446.	-1.3	-3193.	-6.
410879	3.	13.	71370.	-0.	418.	24020.	33.	329.	13.4	128.	-2.1	4.	1.0	31040.	3.6	-3709.	17.
410880	2.	7.	63250.	-0.	-101.	26050.	27.	352.	13.0	143.	-2.6	3.	.9	31600.	3.5	8501.	-6.
410881	1.	7.	49220.	-0.	-165.	19250.	28.	-159.	12.6	78.	-3.0	4.	.8	29320.	2.6	8625.	-6.
410883	1.	4.	40810.	-0.	-233.	15570.	21.	358.	9.3	95.	-3.1	4.	.4	13960.	-1.9	5202.	-10.
410884	-1.	3.	49000.	-0.	-351.	22650.	23.	-142.	15.8	144.	-3.3	3.	-.4	11190.	-1.9	-5051.	-9.
410887	4.	10.	69120.	-0.	604.	32900.	39.	-105.	18.3	251.	-2.1	3.	1.1	40150.	6.0	9103.	19.
410888	-999.	-999.	18120.	-0.	-201.	16850.	24.	304.	7.3	75.	-3.0	3.	-.4	15210.	-1.9	-5225.	-10.
410890	-1.	6.	63450.	-0.	533.	22660.	27.	364.	8.1	148.	-2.2	4.	.8	22650.	3.3	11530.	10.
410891	3.	20.	66010.	-0.	543.	27440.	37.	155.	14.7	342.	-1.9	3.	1.1	34910.	6.0	8731.	20.
410892	2.	17.	74360.	-0.	521.	27660.	44.	-110.	19.9	220.	-2.2	3.	1.0	38400.	4.2	8175.	17.
410893	2.	11.	73250.	-0.	527.	25430.	39.	271.	15.0	150.	-2.2	4.	.9	33630.	5.6	9774.	7.
410894	3.	23.	68350.	-0.	377.	41000.	25.	-121.	20.9	328.	-1.9	4.	.8	45140.	3.5	8603.	12.
410896	2.	7.	68320.	-0.	692.	24550.	50.	450.	13.7	112.	-2.6	4.	1.2	32940.	4.5	-4271.	20.
410911	-999.	-999.	76850.	-0.	995.	20650.	-8.	2127.	7.6	26.	-2.4	-2.	.6	14390.	-1.6	16370.	-9.
410912	-1.	8.	47950.	-0.	-372.	15810.	39.	-216.	11.2	-22.	-4.3	4.	-.6	18750.	-2.7	-7709.	-15.
410913	-1.	3.	41450.	-0.	431.	19990.	39.	-127.	12.5	62.	-3.2	3.	.7	33950.	3.2	-4295.	-10.
410914	-999.	-999.	20040.	-9.	-130.	15730.	-7.	213.	5.6	44.	-2.0	-1.	.3	9467.	-1.5	-2035.	-7.
410915	1.	5.	65080.	-0.	687.	22300.	36.	1148.	7.6	42.	-1.7	3.	1.0	18830.	3.3	14060.	18.
410916	3.	31.	84680.	-0.	660.	32540.	43.	1611.	9.8	26.	-1.7	3.	1.1	31020.	4.6	18000.	27.
410917	4.	30.	65340.	-0.	783.	33290.	75.	-102.	25.1	167.	-2.5	4.	1.2	55076.	5.0	12080.	24.
410920	2.	21.	31100.	-0.	597.	31410.	22.	274.	12.1	103.	-2.4	3.	.9	25210.	3.6	6380.	-5.
410921	3.	17.	45360.	-0.	688.	30250.	41.	368.	18.9	154.	-2.0	4.	1.1	41910.	5.0	9026.	23.
410922	3.	25.	78320.	-0.	730.	22730.	42.	415.	17.4	92.	-2.1	4.	1.2	37100.	3.9	11580.	21.
410924	3.	12.	13660.	-0.	656.	23060.	42.	327.	20.1	108.	-2.6	5.	1.1	40550.	5.3	12740.	24.
410925	-1.	25.	56140.	-0.	752.	26940.	37.	245.	13.2	122.	-2.8	3.	.9	30290.	3.2	9009.	-6.
410926	-1.	14.	31360.	-0.	-154.	5574.	24.	453.	-2.2	47.	-2.9	3.	-.3	12170.	-1.7	-3400.	-8.
410929	1.	9.	79830.	-0.	783.	26290.	31.	451.	13.5	60.	-2.3	3.	1.2	28650.	3.6	14590.	21.
410930	1.	34.	78860.	-0.	687.	23980.	35.	312.	14.3	98.	-2.2	4.	1.0	35430.	3.6	15170.	21.
410933	-1.	35.	76860.	-1.	-428.	-7232.	-49.	-492.	33.3	116.	-11.4	-5.	-1.9	40250.	-7.9	-18550.	-39.
410934	-1.	30.	79300.	-0.	830.	16190.	44.	-118.	20.6	130.	5.3	6.	1.1	46030.	3.6	17150.	22.
410935	1.	5.	57850.	-0.	492.	24680.	31.	-141.	16.2	272.	-3.3	4.	.9	32250.	3.6	-4677.	-6.
410936	3.	10.	76010.	-0.	640.	22630.	52.	322.	20.8	140.	-2.4	4.	1.4	43760.	5.6	9344.	20.
410937	-1.	41.	62160.	-0.	751.	26840.	47.	269.	25.6	161.	-2.4	5.	1.2	49190.	3.3	10320.	21.
410939	-1.	64.	76850.	-0.	636.	22640.	43.	-122.	20.6	138.	4.4	5.	1.5	67540.	5.6	10330.	18.
410950	-1.	4.	26550.	-0.	451.	13710.	25.	423.	7.1	52.	-2.5	2.	-.3	10850.	2.9	-4084.	-8.
410951	3.	19.	71540.	-0.	579.	26260.	35.	-138.	17.9	154.	-1.8	4.	1.0	37440.	3.5	11670.	16.
410952	5.	23.	49120.	-0.	344.	56710.	51.	-97.	39.9	625.	-2.2	4.	1.2	118200.	6.2	6085.	22.
410954	-1.	30.	49750.	-0.	273.	33460.	54.	257.	24.7	376.	-2.4	3.	.9	45620.	3.7	7802.	20.
410955	2.	16.	71970.	-0.	549.	31750.	53.	227.	13.2	252.	-2.1	3.	1.0	30570.	3.9	8905.	21.
410957	-1.	2.	29280.	-0.	311.	13040.	-6.	354.	7.2	73.	-2.6	3.	.7	17370.	-1.3	-3985.	-6.
410958	-1.	2.	25050.	-0.	-248.	12230.	-9.	-126.	9.7	88.	-3.0	2.	-.4	17630.	-1.8	-4816.	-10.
410959	3.	19.	72990.	-0.	400.	31420.	47.	-115.	17.6	285.	-2.3	3.	1.0	37980.	3.4	8189.	18.
410960	-1.	19.	51290.	-0.	610.	20350.	35.	490.	15.9	144.	-2.6	3.	1.0	31450.	3.3	-4698.	-5.

MI HAYES TAFE SEGMENTS

PG. THREE - SAMPLE 1

SAMPLE NO.	10 PPM	PG PPM	NO PPM	HA PPM	PF PPM	SE PPM	SC PPM	SP PPM	SO PPM	TA PPM	TS PPM	TH PPM	TI PPM	V PPM	YS PPM	ZR PPM	U/TH RATIO
410871	-1	4207.	240.	2731.	-39.	-2.	2.1	2.4	-212.	-2.	-1.	3.0	1157.	45.	1.6	-39.	3.155
410872	-1	4140.	741.	3908.	-45.	-2.	7.5	2.3	-302.	-2.	-1.	1.5	1400.	55.	-1.8	-60.	2.600
410873	-3	14150.	751.	14750.	-51.	-3.	27.7	4.3	-374.	-2.	-1.	5.1	4087.	204.	5.3	-148.	2.565
410874	-2	11120.	711.	14520.	-41.	-3.	15.5	3.3	515.	-1.	-1.	3.0	5522.	112.	2.7	117.	2.183
410875	-4	13210.	942.	17495.	-30.	-3.	24.3	3.3	-220.	-1.	-1.	2.1	0810.	200.	3.0	-48.	1.170
410876	-1	4825.	208.	2770.	-42.	-2.	5.2	1.5	-230.	-2.	-1.	-1.3	1410.	40.	-1.7	182.	-999.000
410877	-1	3325.	143.	4510.	-41.	-2.	4.5	-1.5	-231.	-2.	-1.	-1.1	1435.	32.	-1.7	-63.	-999.000
410878	-2	13110.	671.	14490.	-40.	-2.	12.4	3.1	-242.	-2.	-1.	3.0	5715.	139.	2.7	160.	2.160
410879	-4	10740.	690.	17010.	-47.	-3.	15.2	2.5	-202.	-1.	-1.	1.1	4530.	124.	-2.2	-10.	2.294
410880	-2	8402.	531.	12020.	-50.	-4.	13.2	-1.0	-354.	-2.	-1.	2.2	3385.	101.	-2.7	291.	1.497
410883	-2	8340.	303.	9403.	-06.	-4.	10.0	-1.0	-409.	-3.	-1.	-2.0	-908.	70.	-2.4	160.	-999.000
410884	-2	11440.	547.	10110.	-74.	-4.	13.6	3.0	-417.	-3.	-1.	-1.9	3175.	105.	-2.8	-57.	-999.000
410887	-2	14150.	747.	22440.	-30.	-3.	20.4	3.7	-221.	-1.	-1.	3.0	5105.	151.	3.4	-999.	2.375
410888	-2	0400.	337.	10240.	-94.	-4.	8.2	-1.9	-305.	-3.	-1.	-1.9	-840.	63.	-2.6	-80.	-999.000
410891	-2	9425.	488.	10870.	-43.	-3.	13.0	2.2	-355.	-2.	-1.	3.0	3991.	102.	-1.4	-40.	2.222
410891	-2	12030.	755.	19030.	-30.	-2.	19.4	3.4	-273.	-1.	-1.	3.6	5025.	144.	2.7	52.	2.262
410897	-3	15140.	753.	21110.	-38.	-3.	16.5	2.8	700.	-2.	-1.	4.0	4508.	137.	3.3	83.	2.646
410893	-2	12140.	643.	19470.	-39.	-3.	17.4	3.4	-204.	-2.	-1.	4.5	4439.	133.	-1.7	-42.	2.404
410894	-3	19090.	933.	20640.	-30.	-2.	22.0	3.5	-320.	-1.	-1.	-1.1	4715.	183.	2.0	93.	-999.000
410896	-3	10200.	578.	16410.	-49.	-4.	10.3	4.1	-291.	-2.	-1.	5.3	4002.	133.	-2.4	200.	.831
410911	-1	-4301.	580.	24430.	-51.	-3.	6.4	1.8	-510.	-3.	-1.	4.0	2448.	35.	-2.2	-77.	2.020
410912	-2	10000.	622.	11100.	-100.	-0.	6.0	-1.5	-670.	-5.	-1.	0.1	3737.	60.	-3.0	-151.	.050
410913	-2	8194.	495.	10500.	-64.	-4.	12.7	2.0	-300.	-3.	-1.	-1.4	3117.	94.	-2.4	-101.	-999.000
410914	-1	-1552.	159.	5105.	-40.	-3.	4.0	-1.6	-204.	-2.	-1.	-1.5	-409.	57.	-2.0	150.	-999.000
410915	-1	7111.	505.	14750.	-30.	-2.	6.4	3.4	-324.	-2.	-1.	6.0	2740.	67.	-1.6	90.	3.090
410916	-2	8950.	742.	28450.	-30.	-2.	8.3	3.4	-308.	-1.	-999.	5.3	2957.	74.	-1.8	104.	2.326
410917	-4	10990.	890.	16700.	-43.	-3.	25.5	5.1	-200.	-1.	-1.	6.5	5504.	195.	1.7	-61.	2.770
410920	-3	10980.	522.	20180.	-42.	-3.	14.3	2.5	-283.	-2.	-1.	2.3	3954.	116.	-2.1	-54.	1.505
410921	-3	14700.	703.	19080.	-30.	-3.	20.5	3.6	471.	-1.	-1.	4.0	4752.	144.	-1.7	171.	2.137
410922	-2	12100.	695.	18970.	-43.	-3.	15.4	4.1	-330.	-1.	-1.	5.3	4303.	142.	2.0	-103.	2.326
410923	-3	13440.	632.	18000.	-44.	-3.	19.1	4.0	-304.	-1.	-1.	6.7	5300.	137.	-2.4	212.	3.077
410925	-2	11800.	504.	17200.	-48.	-3.	10.4	4.1	-281.	-2.	-1.	3.1	4069.	134.	-2.3	-67.	.396
410926	-1	5553.	196.	0885.	-54.	-3.	8.1	1.4	-272.	-3.	-1.	3.0	2256.	60.	-2.0	221.	2.507
410928	-2	11050.	521.	17370.	-42.	-3.	15.0	3.7	-249.	-2.	-1.	5.0	4000.	110.	3.7	-50.	2.577
410930	-3	13510.	603.	17430.	-42.	-3.	10.0	3.9	-323.	-2.	-1.	5.9	4042.	135.	-1.7	233.	2.625
410933	-7	-0754.	1435.	10570.	-220.	-14.	16.4	-3.7	-944.	-14.	-4.	-8.1	-3258.	140.	-11.1	-220.	-999.000
410934	-3	13480.	495.	12430.	-43.	-3.	23.7	4.7	-270.	-1.	-1.	6.2	4148.	172.	4.5	170.	2.125
410935	-2	14130.	500.	14500.	-65.	-4.	10.4	3.4	-303.	-2.	-1.	3.0	3707.	144.	-2.7	132.	2.747
410936	-3	15150.	804.	19260.	-42.	-2.	21.2	3.8	-200.	-2.	-1.	4.8	4722.	150.	-2.1	230.	2.114
410937	-2	17480.	801.	16770.	-43.	-3.	24.1	4.2	-324.	-2.	-1.	5.1	4072.	162.	2.7	200.	2.217
410939	-2	10270.	1049.	17440.	-52.	-3.	22.8	4.4	-352.	-1.	-1.	5.7	4408.	201.	3.1	-55.	2.577
410940	-1	2700.	377.	0945.	-47.	-3.	6.0	-1.8	-200.	-2.	-1.	2.9	1990.	37.	-2.3	150.	2.074
410951	-1	12090.	627.	21440.	-34.	-2.	18.8	2.9	-291.	-1.	-1.	3.5	4072.	140.	2.7	203.	2.514
410952	-3	22080.	1182.	13840.	-62.	-3.	34.7	4.5	-244.	-2.	-1.	5.2	6509.	462.	3.0	-55.	2.427
410954	-2	15070.	833.	19290.	-42.	-3.	22.3	2.9	-245.	-2.	-1.	3.7	5270.	170.	3.1	-110.	2.315
410955	-3	14180.	673.	23050.	-30.	-3.	15.2	3.1	-251.	-1.	-1.	3.8	4334.	120.	3.4	-45.	2.421
410957	-1	5000.	300.	7740.	-67.	-3.	7.5	1.0	-205.	-2.	-1.	1.9	2340.	54.	-1.4	101.	2.500
410958	-2	5017.	404.	5504.	-02.	-3.	7.7	-1.0	-423.	-3.	-1.	2.3	1551.	57.	-2.5	-04.	3.484
410959	-3	13210.	702.	21010.	-30.	-3.	14.9	3.2	-293.	-1.	-1.	2.7	5098.	132.	-1.8	-105.	2.062
410960	-1	11340.	810.	17700.	-50.	-3.	12.0	2.8	-322.	-2.	-1.	-1.0	4010.	121.	-2.2	.	-999.000

SAMPLE NO.	DATE	TIME	PH	COND.	SOLID.	GRAVITY	CHLORIDE	AMMONIA	STRENGTH	CAUSTIC	COPPER	NITROGEN	NICKEL	LEAD	IRON	TUNGSTEN
			PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH
411002	03.0731	145.0960	8.	7.	-999.	1.11	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411003	03.0730	145.1351	-9.9.	42.	-999.	1.02	-5.	-5.	-5.	-5.	30.	-20.	20.	-5.	-10.	-15.
411004	03.0730	145.1739	9.	5.	-999.	1.55	-5.	-5.	-5.	-5.	20.	-20.	41.	-5.	-10.	-15.
411005	03.0730	145.2133	8.	10.	-999.	2.07	-5.	-5.	-5.	-5.	35.	-20.	38.	-7.	-10.	-15.
411006	03.0730	145.2500	6.	17.	-999.	1.55	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411007	03.0730	145.2839	7.	17.	-999.	1.62	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411008	03.0730	145.3131	6.	4.	-999.	1.05	-5.	-5.	-5.	-5.	103.	-20.	50.	-7.	-10.	-15.
411009	03.0730	145.3487	6.	20.	-999.	1.45	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411010	03.0730	145.3811	6.	60.	-999.	2.17	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411011	03.0730	145.4136	6.	104.	-999.	2.74	-5.	-5.	-5.	-5.	61.	-20.	55.	-5.	-10.	-15.
411012	03.0730	145.4456	9.	6.	-999.	1.70	-5.	-5.	-5.	-5.	45.	-20.	33.	-5.	-10.	-15.
411013	03.0730	145.4775	8.	4.	-999.	1.80	-5.	-5.	-5.	-5.	45.	-20.	30.	-5.	-10.	-15.
411014	03.0730	145.5094	6.	4.	-999.	1.67	-5.	-5.	-5.	-5.	40.	-20.	48.	-7.	-10.	-15.
411015	03.0730	145.5413	8.	8.	-999.	1.61	-5.	-5.	-5.	-5.	13.	-20.	22.	-5.	-10.	-15.
411016	03.0730	145.5732	6.	4.	-999.	1.73	-5.	-5.	-5.	-5.	72.	-20.	39.	-5.	-10.	-15.
411017	03.0730	145.6051	8.	5.	-999.	1.56	-5.	-5.	-5.	-5.	57.	-20.	27.	-5.	-10.	-15.
411018	03.0730	145.6370	7.	4.	-999.	.94	-5.	-5.	-5.	-5.	62.	-20.	15.	-5.	-10.	-15.
411019	03.0730	145.6689	7.	46.	-999.	3.77	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411020	03.0730	145.7008	7.	14.	-999.	1.24	-5.	-5.	-5.	-5.	50.	-20.	30.	-5.	-10.	-15.
411021	03.0730	145.7327	7.	70.	-999.	.91	-5.	-5.	-5.	-5.	132.	-20.	38.	10.	-10.	-15.
411022	03.0730	145.7646	8.	32.	-999.	1.54	-5.	-5.	-5.	-5.	79.	-20.	117.	-5.	-10.	-15.
411023	03.0730	145.7965	7.	35.	-999.	1.24	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411024	03.0730	145.8284	8.	21.	-999.	1.54	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411025	03.0730	145.8603	8.	20.	-999.	.76	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411026	03.0730	145.8922	8.	5.	-999.	1.40	-5.	-5.	-5.	-5.	52.	-20.	63.	-6.	-10.	-15.
411027	03.0730	145.9241	7.	40.	-999.	1.40	-5.	-5.	-5.	-5.	30.	-20.	88.	-5.	-10.	-15.
411028	03.0730	145.9560	8.	15.	-999.	1.50	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411029	03.0730	145.9879	8.	8.	-999.	1.69	-5.	-5.	-5.	-5.	61.	-20.	117.	-5.	-10.	-15.
411030	03.0730	146.0198	7.	46.	-999.	1.00	-5.	-5.	-5.	-5.	71.	-20.	43.	-5.	-10.	-15.
411031	03.0730	146.0517	8.	6.	-999.	1.58	-5.	-5.	-5.	-5.	55.	-20.	129.	-5.	-10.	-15.
411032	03.0730	146.0836	8.	5.	-999.	1.43	-5.	-5.	-5.	-5.	76.	-20.	161.	-5.	-10.	-15.
411033	03.0730	146.1155	7.	27.	-999.	1.38	-5.	-5.	-5.	-5.	51.	-20.	25.	-5.	-10.	-15.
411034	03.0730	146.1474	8.	31.	-999.	1.10	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411035	03.0730	146.1793	8.	21.	-999.	1.69	-5.	-5.	-5.	-5.	75.	-20.	52.	-5.	-10.	-15.
411036	03.0730	146.2112	6.	22.	-999.	.75	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411037	03.0730	146.2431	8.	14.	-999.	1.75	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411038	03.0730	146.2750	8.	16.	-999.	.49	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411039	03.0730	146.3069	8.	9.	-999.	1.22	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411040	03.0730	146.3388	7.	9.	-999.	.50	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411041	03.0730	146.3707	8.	28.	-999.	2.01	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411042	03.0730	146.4026	8.	101.	-999.	1.93	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411043	03.0730	146.4345	8.	107.	-999.	2.57	-5.	-5.	-5.	-5.	88.	-20.	79.	-5.	-10.	-15.
411044	03.0730	146.4664	8.	98.	-999.	2.28	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411045	03.0730	146.4983	9.	63.	-999.	2.30	-5.	-5.	-5.	-5.	105.	-20.	54.	-5.	-10.	-15.
411046	03.0730	146.5302	9.	4.	-999.	1.70	-5.	-5.	-5.	-5.	45.	-20.	17.	-5.	-10.	-15.
411047	03.0730	146.5621	8.	16.	-999.	.72	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411048	03.0730	146.5940	8.	17.	-999.	1.20	-5.	-5.	-5.	-5.	37.	-20.	51.	-5.	-10.	-15.
411049	03.0730	146.6259	8.	4.	-999.	2.01	-5.	-5.	-5.	-5.	67.	-20.	54.	-5.	-10.	-15.
411050	03.0730	146.6578	8.	19.	-999.	1.48	-5.	-5.	-5.	-5.	52.	-20.	76.	-5.	-10.	-15.
411051	03.0730	146.6897	8.	41.	-999.	1.97	-5.	-5.	-5.	-5.	45.	-20.	49.	-5.	-10.	-15.

COMPETITOR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
410000	-1.	7.	20019.	-0.	251.	12540.	-1.	370.	5.7	12.	-1.0	2.	1.	18900.	-2.1	3700.	1.
410001	1.	11.	24035.	-0.	219.	20000.	11.	120.	10.0	17.	-2.0	3.	1.2	20020.	8.2	10000.	13.
410002	2.	10.	7550.	-0.	442.	32220.	41.	-111.	10.0	27.	-2.2	4.	1.1	11000.	5.0	5120.	10.
410003	2.	12.	25400.	-0.	540.	25000.	51.	84.	14.5	17.	-2.8	5.	1.3	31500.	8.1	9200.	21.
410004	-1.	3.	10100.	-0.	370.	-2273.	-8.	807.	-2.2	-18.	-2.0	-2.	-1.8	11200.	-1.0	8557.	-9.
410005	-1.	11.	47520.	-0.	210.	13020.	-4.	370.	6.2	03.	-3.3	3.	-1.8	22780.	1.9	5252.	-10.
410006	2.	12.	71520.	-0.	301.	32400.	43.	250.	18.4	18.	-2.4	5.	1.1	82350.	5.0	7000.	16.
410007	-1.	11.	50210.	-0.	574.	13050.	23.	340.	11.2	40.	-3.2	-1.	1.4	20100.	-1.9	8018.	7.
410008	-1.	40.	75020.	-0.	904.	19440.	34.	-170.	23.0	131.	-2.9	5.	1.0	80000.	2.0	11810.	10.
410009	2.	10.	72300.	-0.	936.	10220.	31.	-153.	20.0	112.	3.1	5.	1.9	82170.	-2.0	12200.	-7.
410010	1.	10.	70150.	-0.	305.	31050.	37.	285.	18.0	100.	-2.0	4.	1.2	40350.	4.1	3991.	23.
410011	3.	20.	73900.	-0.	570.	30040.	30.	230.	10.1	125.	-2.1	4.	1.0	37000.	5.3	6001.	17.
410012	1.	15.	70050.	-0.	703.	24390.	32.	035.	0.0	07.	-2.1	3.	1.9	22220.	5.7	18250.	15.
410013	2.	7.	51180.	-0.	449.	32170.	37.	-122.	11.4	201.	-1.9	4.	1.1	30580.	5.0	0045.	7.
410014	5.	11.	74930.	-0.	504.	34420.	39.	-100.	21.2	177.	-2.1	5.	1.3	89090.	5.5	0818.	21.
410015	1.	22.	14030.	-0.	125.	31800.	31.	030.	15.4	165.	-2.0	3.	1.0	38000.	4.4	0891.	21.
410016	-1.	2.	30070.	-0.	-137.	9430.	21.	433.	-1.5	35.	-2.1	2.	-1.3	10900.	-1.8	3072.	7.
410017	-1.	23.	55020.	-0.	691.	20240.	21.	-142.	10.1	100.	-2.0	4.	1.9	31020.	-1.0	5072.	-5.
410018	-1.	2.	80270.	-0.	453.	25140.	21.	024.	10.9	114.	-2.7	3.	1.5	22280.	-1.0	4523.	-7.
410019	-1.	5.	24400.	-0.	-100.	15330.	23.	011.	10.0	08.	-3.4	3.	1.0	15000.	-1.4	3501.	-10.
410020	1.	30.	70010.	-0.	645.	29130.	52.	155.	23.2	340.	-2.2	4.	1.0	41580.	2.0	4150.	15.
410021	-1.	22.	00730.	-0.	533.	34840.	35.	224.	31.7	1642.	-1.9	3.	1.0	52330.	2.9	6300.	16.
410022	-1.	18.	50340.	-0.	581.	23070.	20.	300.	14.0	310.	-2.7	3.	1.2	38000.	3.9	0986.	18.
410023	-1.	8.	34430.	-0.	-178.	14540.	27.	417.	6.7	07.	-3.3	3.	1.0	15170.	-1.9	5079.	-9.
410024	2.	23.	72090.	-0.	510.	27200.	50.	292.	19.2	243.	-2.2	4.	1.2	45300.	3.2	0150.	20.
410025	3.	5.	00070.	-0.	300.	41100.	29.	-110.	10.9	591.	-1.0	4.	1.4	35170.	5.1	0008.	14.
410026	-999.	-999.	00030.	-0.	554.	35500.	37.	104.	20.0	420.	-2.3	4.	1.9	41110.	4.6	0095.	13.
410027	5.	20.	00010.	-0.	355.	36300.	42.	140.	29.0	1073.	-2.7	3.	1.0	57650.	5.5	7020.	10.
410028	-1.	2.	30080.	-0.	-132.	17750.	14.	195.	11.1	103.	-2.2	3.	-1.3	10060.	-1.3	3201.	-5.
410029	2.	20.	70070.	-0.	443.	24020.	39.	243.	20.1	001.	-2.1	3.	1.0	30880.	4.1	9020.	15.
410030	3.	19.	00280.	-0.	453.	30930.	47.	-100.	27.9	1105.	-2.4	6.	1.0	50100.	3.9	9054.	15.
410031	-1.	17.	43480.	-0.	319.	10400.	30.	-131.	8.0	124.	-3.1	3.	1.0	21780.	3.1	4022.	-7.
410032	-999.	-999.	44930.	-0.	-105.	17030.	31.	310.	8.5	121.	-2.9	3.	1.9	17010.	-1.0	4200.	-9.
410033	2.	10.	03040.	-0.	535.	37070.	40.	243.	24.2	249.	-2.4	5.	1.2	51680.	2.0	5317.	-6.
410034	-1.	5.	20370.	-0.	-220.	12000.	-9.	411.	-2.7	95.	-3.1	3.	1.4	10000.	-2.0	4240.	-13.
410035	-1.	22.	03100.	-0.	440.	21570.	30.	504.	11.0	192.	-2.0	3.	1.0	33700.	3.7	4297.	19.
410036	-1.	2.	15350.	-0.	-150.	-1704.	-8.	377.	-2.0	02.	-2.2	-1.	1.4	10520.	-1.0	3095.	-10.
410037	-1.	18.	55990.	-0.	494.	16070.	20.	409.	13.2	120.	-3.1	3.	1.7	31350.	2.2	5059.	-7.
410038	-1.	0.	19100.	-0.	-212.	-1005.	-9.	490.	-2.5	74.	-2.9	-1.	1.4	12500.	-1.9	4300.	-10.
410039	-1.	35.	79290.	-0.	1030.	12450.	24.	-149.	22.0	150.	-4.1	4.	1.0	51550.	-2.4	17720.	-10.
410040	-1.	45.	74730.	-0.	1000.	13430.	-6.	-103.	42.0	159.	0.4	4.	1.3	01000.	-1.9	18030.	-9.
410041	2.	37.	04740.	-0.	1145.	10050.	30.	-140.	20.1	140.	4.4	5.	1.5	75400.	3.0	17100.	10.
410042	-1.	24.	00070.	-0.	1411.	13430.	37.	-141.	30.7	107.	-4.1	4.	1.1	69780.	3.7	22030.	21.
410043	2.	47.	100900.	-0.	1479.	12030.	41.	-135.	10.3	190.	0.7	4.	1.7	01000.	4.2	20050.	-6.
410044	2.	19.	73300.	-0.	523.	24750.	35.	575.	11.9	54.	-2.2	4.	1.0	10040.	3.0	11070.	10.
410045	-1.	2.	25570.	-0.	-204.	-1355.	25.	-110.	9.2	09.	-3.5	-1.	1.5	17000.	-2.3	4209.	-13.
410046	1.	13.	00150.	-0.	452.	14600.	24.	300.	10.2	237.	-2.0	3.	1.7	24550.	3.0	7440.	-6.
410047	2.	16.	24730.	-0.	001.	24200.	25.	552.	10.4	277.	-2.0	5.	1.1	40010.	4.3	11400.	19.
410048	2.	20.	70000.	-0.	015.	25520.	30.	333.	19.0	200.	-2.4	5.	1.0	42020.	3.7	0717.	17.
410049	2.	22.	00000.	-0.	404.	33450.	00.	-100.	22.3	704.	-2.3	4.	1.1	44210.	4.9	-3544.	17.

DATE	TIME	TYPE	WIND	WAVE	SEA	SWELL	SWELL	SWELL	SWELL	SWELL	SWELL	SWELL	SWELL	SWELL	SWELL	SWELL	SWELL	SWELL
811001	01	100000	2311	100000	-400	-20	0.0	1.0	1000	-20	-10	2.0	1000	500	-1.0	-500	3.000	
811002	02	100000	2311	100000	-400	-20	1.0	1.0	1000	-20	-10	2.0	1000	500	-1.0	-500	3.000	
811003	03	100000	2311	100000	-400	-20	2.0	2.0	1000	-20	-10	3.0	1000	500	-1.0	-500	3.000	
811004	04	100000	2311	100000	-400	-20	3.0	3.0	1000	-20	-10	4.0	1000	500	-1.0	-500	3.000	
811005	05	100000	2311	100000	-400	-20	4.0	4.0	1000	-20	-10	5.0	1000	500	-1.0	-500	3.000	
811006	06	100000	2311	100000	-400	-20	5.0	5.0	1000	-20	-10	6.0	1000	500	-1.0	-500	3.000	
811007	07	100000	2311	100000	-400	-20	6.0	6.0	1000	-20	-10	7.0	1000	500	-1.0	-500	3.000	
811008	08	100000	2311	100000	-400	-20	7.0	7.0	1000	-20	-10	8.0	1000	500	-1.0	-500	3.000	
811009	09	100000	2311	100000	-400	-20	8.0	8.0	1000	-20	-10	9.0	1000	500	-1.0	-500	3.000	
811010	10	100000	2311	100000	-400	-20	9.0	9.0	1000	-20	-10	10.0	1000	500	-1.0	-500	3.000	
811011	11	100000	2311	100000	-400	-20	10.0	10.0	1000	-20	-10	11.0	1000	500	-1.0	-500	3.000	
811012	12	100000	2311	100000	-400	-20	11.0	11.0	1000	-20	-10	12.0	1000	500	-1.0	-500	3.000	
811013	13	100000	2311	100000	-400	-20	12.0	12.0	1000	-20	-10	13.0	1000	500	-1.0	-500	3.000	
811014	14	100000	2311	100000	-400	-20	13.0	13.0	1000	-20	-10	14.0	1000	500	-1.0	-500	3.000	
811015	15	100000	2311	100000	-400	-20	14.0	14.0	1000	-20	-10	15.0	1000	500	-1.0	-500	3.000	
811016	16	100000	2311	100000	-400	-20	15.0	15.0	1000	-20	-10	16.0	1000	500	-1.0	-500	3.000	
811017	17	100000	2311	100000	-400	-20	16.0	16.0	1000	-20	-10	17.0	1000	500	-1.0	-500	3.000	
811018	18	100000	2311	100000	-400	-20	17.0	17.0	1000	-20	-10	18.0	1000	500	-1.0	-500	3.000	
811019	19	100000	2311	100000	-400	-20	18.0	18.0	1000	-20	-10	19.0	1000	500	-1.0	-500	3.000	
811020	20	100000	2311	100000	-400	-20	19.0	19.0	1000	-20	-10	20.0	1000	500	-1.0	-500	3.000	
811021	21	100000	2311	100000	-400	-20	20.0	20.0	1000	-20	-10	21.0	1000	500	-1.0	-500	3.000	
811022	22	100000	2311	100000	-400	-20	21.0	21.0	1000	-20	-10	22.0	1000	500	-1.0	-500	3.000	
811023	23	100000	2311	100000	-400	-20	22.0	22.0	1000	-20	-10	23.0	1000	500	-1.0	-500	3.000	
811024	24	100000	2311	100000	-400	-20	23.0	23.0	1000	-20	-10	24.0	1000	500	-1.0	-500	3.000	
811025	25	100000	2311	100000	-400	-20	24.0	24.0	1000	-20	-10	25.0	1000	500	-1.0	-500	3.000	

PH DATA 1991 - 1992

PC. ONE - SAMPLE														3	
DATE	TIME	PH	COND.	TEMP.	DISSOLV.	SILICA	CHLORIDE	SODIUM	CALCIUM	COPPER	NITROGEN	NICKEL	LEAD	IRON	CHLORIDE
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
411037	03.10.07	145.7000	8.	54.	-999.	1.27	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411038	03.10.07	145.7000	8.	54.	-999.	1.27	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411039	03.10.07	145.7000	8.	24.	-999.	1.75	-5.	-5.	-5.	69.	-20.	117.	8.	-10.	-15.
411040	03.10.11	145.7000	8.	-999.	-999.	1.33	-5.	-5.	-5.	41.	-20.	93.	7.	-10.	-15.
411041	03.10.11	145.7000	9.	10.	-999.	1.31	-5.	-5.	-5.	64.	-20.	124.	-5.	-10.	-15.
411042	03.22.11	145.7000	9.	22.	-999.	.72	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411043	03.22.11	145.7000	8.	30.	-999.	1.27	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411044	03.22.11	145.7000	8.	27.	-999.	1.25	-5.	-5.	-5.	60.	-20.	132.	-5.	-10.	-15.
411045	03.24.03	145.7000	8.	58.	-999.	1.45	-5.	-5.	-5.	99.	-20.	118.	-5.	-10.	-15.
411046	03.24.03	145.7000	8.	70.	-999.	2.01	-5.	-5.	-5.	64.	-20.	94.	5.	-10.	-15.
411047	03.23.70	145.7000	8.	6.	-999.	1.47	-5.	-5.	-5.	48.	-20.	96.	-5.	-10.	-15.
411048	03.23.70	145.7000	8.	131.	-999.	1.55	-5.	-5.	-5.	63.	-20.	76.	-5.	-10.	-15.
411049	03.07.00	145.7000	8.	13.	-999.	.92	-5.	-5.	-5.	47.	-20.	28.	-5.	-10.	-15.
411050	03.07.82	145.7000	7.	6.	-999.	1.93	-5.	-5.	-5.	54.	-20.	42.	-5.	-10.	-15.
411051	03.06.19	145.7000	7.	6.	-999.	2.10	-5.	-5.	-5.	54.	-20.	65.	-5.	-10.	-15.
411052	03.05.00	145.7000	7.	7.	-999.	1.60	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411053	03.11.11	145.7000	7.	6.	-999.	.73	-5.	-5.	-5.	36.	-20.	20.	-5.	-10.	-15.
411054	03.11.30	145.7000	8.	7.	-999.	1.07	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411055	03.09.50	145.7000	8.	17.	-999.	1.35	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411056	03.09.72	145.7000	7.	7.	-999.	.81	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411057	03.11.31	145.7000	7.	7.	-999.	2.16	-5.	-5.	-5.	41.	-20.	37.	7.	-10.	-15.
411058	03.09.09	145.7000	7.	8.	-999.	2.30	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411059	03.10.08	145.7000	8.	47.	-999.	1.99	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411060	03.12.17	145.7000	6.	9.	-999.	2.03	-5.	-5.	-5.	33.	-20.	29.	-5.	-10.	-15.
411061	03.10.50	145.7000	8.	22.	-999.	2.42	-5.	-5.	-5.	53.	-20.	23.	5.	-10.	-15.
411062	03.11.70	145.7000	6.	10.	-999.	.90	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411063	03.10.50	145.7000	8.	26.	-999.	2.00	-5.	-5.	-5.	76.	-20.	32.	33.	-10.	-15.
411064	03.06.11	145.7000	9.	42.	-999.	3.35	-5.	-5.	-5.	82.	-20.	45.	15.	-10.	-15.
411065	03.09.87	145.7000	8.	205.	-999.	2.19	-5.	-5.	-5.	77.	-20.	54.	5.	-10.	-15.
411066	03.08.18	145.7000	7.	6.	-999.	2.55	-5.	-5.	-5.	43.	-20.	34.	7.	-10.	-15.
411067	03.08.39	145.7000	8.	24.	-999.	1.94	-5.	-5.	-5.	49.	-20.	37.	6.	-10.	-15.
411068	03.08.25	145.7000	8.	40.	-999.	2.51	-5.	-5.	-5.	75.	-20.	49.	5.	-10.	-15.
411069	03.09.70	145.7000	8.	82.	-999.	3.75	-5.	-5.	-5.	97.	-20.	59.	18.	-10.	-15.
411070	03.09.00	145.7000	8.	5.	-999.	2.22	-5.	-5.	-5.	46.	-20.	32.	-5.	-10.	-15.
411071	03.08.18	145.7000	9.	6.	-999.	1.99	-5.	-5.	-5.	64.	-20.	62.	5.	-10.	-15.
411072	03.11.75	145.7000	8.	6.	-999.	1.69	-5.	-5.	-5.	68.	-20.	54.	-5.	-10.	-15.
411073	03.18.75	145.7000	7.	3.	-999.	1.67	-5.	-5.	-5.	59.	-20.	37.	6.	-10.	-15.
411074	03.15.00	145.7000	7.	3.	-999.	2.02	-5.	-5.	-5.	63.	-20.	-15.	-5.	-10.	-15.
411075	03.15.18	145.7000	8.	29.	-999.	1.14	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411076	03.18.00	145.7000	7.	29.	-999.	.88	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411077	03.18.00	145.7000	8.	37.	-999.	1.72	-5.	-5.	-5.	47.	-20.	108.	5.	-10.	-15.
411078	03.12.17	145.7000	9.	4.	-999.	1.53	-5.	-5.	-5.	60.	-20.	47.	-5.	-10.	-15.
411079	03.13.00	145.7000	8.	34.	-999.	3.07	-5.	-5.	-5.	92.	-20.	85.	10.	-10.	-15.
411080	03.15.72	145.7000	8.	26.	-999.	3.10	-5.	-5.	-5.	81.	-20.	70.	-5.	-10.	-15.
411081	03.11.00	145.7000	8.	3.	-999.	2.73	-5.	-5.	-5.	58.	-20.	54.	-5.	-10.	-15.
411082	03.10.75	145.7000	9.	100.	-999.	2.23	-5.	-5.	-5.	81.	-20.	47.	-5.	-10.	-15.
411083	03.19.18	145.7000	8.	97.	-999.	1.61	-5.	-5.	-5.	158.	-20.	100.	12.	-10.	-22.
411084	03.06.00	145.7000	8.	17.	-999.	1.06	-5.	-5.	-5.	37.	-20.	-15.	-5.	-10.	-15.
411085	03.09.50	145.7000	6.	16.	-999.	1.75	-5.	-5.	-5.	54.	-20.	30.	5.	-10.	-15.
411086	03.09.30	145.7000	6.	12.	-999.	1.25	-5.	-5.	-5.	41.	-20.	16.	-5.	-10.	-15.

DATE	RE	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NO.	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
411032	-1.	1.	26000.	-0.	-185.	15500.	-9.	561.	11.1	197.	-3.2	2.	5	37120.	-1.9	-3252.	-10.
411033	-1.	6.	27050.	-0.	377.	13470.	-1.	305.	8.6	111.	-2.1	2.	-3	20290.	-1.2	-3983.	-7.
411034	-1.	33.	61100.	-0.	777.	33860.	31.	-116.	24.4	759.	-2.1	4.	1.0	40480.	4.0	9500.	16.
411035	-1.	29.	65120.	-0.	377.	28440.	42.	-115.	19.2	321.	-2.5	3.	59	40330.	3.4	10710.	-7.
411036	2.	12.	71310.	-0.	631.	31870.	47.	127.	23.3	658.	-2.3	3.	1.0	47780.	3.6	9430.	-4.
411037	-1.	4.	31550.	-0.	-274.	15370.	-7.	231.	16.6	157.	-2.5	2.	-2	25200.	-1.5	-5449.	-5.
411038	-1.	17.	55260.	-0.	453.	25190.	31.	-152.	26.0	272.	-3.1	3.	59	32160.	3.4	-5422.	-6.
411039	-1.	30.	60000.	-0.	533.	31620.	37.	-108.	31.8	992.	-2.5	4.	1.2	53840.	4.4	9097.	17.
411040	-1.	38.	70070.	-0.	769.	26330.	29.	-132.	23.6	246.	-3.2	4.	1.2	52720.	-1.7	10260.	-8.
411041	-1.	38.	56260.	-0.	492.	19390.	43.	-148.	19.7	413.	-2.2	5.	1.0	35770.	3.2	10550.	16.
411042	2.	25.	71900.	-0.	445.	24310.	39.	-113.	19.0	694.	-2.2	4.	1.1	52480.	4.4	9015.	20.
411043	-1.	25.	46150.	-0.	361.	19320.	50.	284.	13.6	409.	-3.7	6.	1.4	40300.	-2.1	-4135.	-8.
411044	-1.	9.	40290.	-0.	352.	14970.	16.	507.	8.2	77.	-2.4	3.	-3	16140.	-1.5	6596.	-6.
411045	2.	10.	74600.	-0.	599.	22240.	42.	538.	14.9	152.	-2.4	3.	1.1	37600.	3.5	11750.	15.
411046	2.	21.	76440.	-0.	636.	23580.	57.	331.	22.1	149.	-2.6	4.	1.1	42850.	4.4	13140.	18.
411047	-1.	27.	75260.	-0.	847.	28160.	44.	326.	17.0	132.	-3.0	4.	9	36400.	4.6	9598.	18.
411048	-1.	11.	26200.	-0.	365.	16960.	-7.	253.	7.2	33.	-2.4	2.	-3	11120.	-1.5	-3064.	-10.
411049	-1.	19.	40060.	-0.	484.	16240.	29.	388.	11.3	106.	-3.3	3.	-4	19600.	-2.1	-4709.	-9.
411050	-1.	30.	57650.	-0.	580.	35050.	41.	331.	17.4	119.	-2.6	4.	1.1	38160.	4.1	9314.	-6.
411051	-1.	11.	28070.	-0.	-199.	15210.	-7.	338.	9.9	66.	-2.4	-2.	3	17900.	-1.6	-5328.	-9.
411052	1.	6.	60510.	-0.	907.	22060.	5.	313.	12.7	101.	-2.4	4.	1.3	26720.	4.5	13560.	16.
411053	-1.	33.	71170.	-0.	781.	17170.	5.	249.	41.8	105.	-3.2	6.	1.3	42180.	5.1	10710.	21.
411054	-1.	33.	19625.	-0.	1188.	25210.	40.	516.	12.2	74.	-3.0	4.	1.4	33730.	5.3	17560.	-7.
411055	2.	26.	69790.	-0.	876.	27950.	46.	-145.	19.3	99.	-2.1	5.	1.1	41270.	3.1	10810.	20.
411056	2.	25.	71090.	-0.	1113.	20710.	46.	191.	16.9	99.	-2.4	4.	1.3	33630.	4.5	15140.	21.
411057	-1.	14.	30500.	-0.	483.	-1932.	-10.	429.	8.9	55.	-5.7	3.	5	19400.	-2.2	-4724.	-11.
411058	2.	19.	75190.	-0.	870.	26160.	35.	-124.	21.5	114.	-2.7	3.	1.1	50670.	4.0	9753.	14.
411059	1.	39.	62310.	-0.	2166.	23240.	88.	-104.	22.2	113.	6.4	4.	1.7	47240.	4.7	17240.	37.
411060	-1.	50.	70310.	-0.	1018.	23530.	59.	-109.	25.2	113.	6.4	4.	1.4	40760.	3.4	16020.	26.
411061	-1.	24.	62080.	-0.	944.	25520.	30.	-140.	15.4	80.	-3.0	4.	1.0	33220.	2.0	11070.	13.
411062	-1.	31.	76070.	-0.	711.	22720.	37.	253.	15.1	103.	3.1	4.	1.0	36610.	3.9	10060.	17.
411063	2.	16.	74960.	-0.	741.	19840.	49.	277.	28.4	90.	-2.4	4.	1.5	36540.	3.1	10450.	19.
411064	-1.	49.	64510.	-0.	3765.	18020.	75.	-131.	27.7	126.	5.0	6.	1.2	59950.	4.5	26110.	40.
411065	-1.	34.	67470.	-0.	753.	27030.	37.	-132.	18.4	117.	-2.4	4.	1.0	40050.	4.1	12560.	20.
411066	1.	23.	76550.	-0.	480.	27030.	50.	360.	19.3	207.	-2.3	3.	1.2	45980.	4.6	11450.	19.
411067	2.	16.	77150.	-0.	699.	34300.	35.	163.	22.5	316.	-2.2	3.	1.3	44880.	5.0	11710.	19.
411068	-1.	28.	65700.	-0.	553.	22600.	32.	352.	15.3	95.	-2.8	3.	8	34850.	3.9	8182.	-5.
411069	2.	24.	83220.	-0.	815.	25540.	40.	348.	18.5	115.	-2.5	4.	1.2	44300.	4.2	11800.	15.
411070	-1.	20.	54860.	-0.	664.	25350.	21.	-181.	8.5	90.	-3.5	3.	-5	21050.	-2.1	-6006.	-10.
411071	-1.	19.	31340.	-0.	406.	14070.	-9.	-131.	11.5	49.	-3.3	-1.	7	17210.	-2.0	-4411.	-10.
411072	2.	36.	71710.	-0.	452.	25210.	42.	250.	22.8	534.	-2.4	3.	1.0	47370.	3.9	9119.	17.
411073	-1.	7.	54650.	-0.	601.	26170.	26.	270.	18.7	104.	-2.7	4.	9	31150.	2.4	7154.	-23.
411074	3.	32.	67950.	-0.	1716.	22950.	59.	-116.	29.5	204.	-3.0	5.	1.5	51510.	5.1	20300.	42.
411075	2.	30.	62690.	-0.	1008.	26340.	60.	-105.	29.9	237.	-2.5	4.	1.5	56550.	4.6	16480.	41.
411076	3.	19.	79790.	-0.	943.	27410.	54.	-144.	26.7	130.	-2.3	5.	1.4	51460.	5.8	14540.	-22.
411077	3.	21.	53740.	-0.	1381.	41180.	51.	-92.	23.2	136.	-1.7	4.	1.0	50650.	6.8	9099.	38.
411078	2.	47.	60150.	-0.	502.	22180.	40.	-126.	48.1	244.	5.3	4.	1.3	60190.	4.4	8745.	15.
411079	-1.	2.	36540.	-0.	315.	10140.	19.	595.	-1.6	41.	-2.3	2.	7	12350.	2.0	-3623.	-6.
411080	2.	26.	76210.	-0.	600.	23360.	39.	-116.	15.0	99.	-2.3	4.	1.1	41280.	3.6	9326.	17.
411081	-1.	2.	46390.	-0.	521.	10550.	25.	561.	6.5	47.	-1.9	2.	-3	14390.	1.0	5896.	12.

SAMPLE ID.	TH PPM	PG PPM	MA PPM	HA PPM	PE PPM	SE PPM	SC PPM	SW PPM	SP PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	TS PPM	ZH PPM	U/ZH RATIO
411032	-2	2290.	309.	6135.	-69.	-4.	9.0	-1.0	-290.	-3.	-1.	-2.0	2635.	70.	-3.0	-100.	-999.000
411033	-1	4300.	209.	6300.	-40.	-3.	0.0	1.5	-279.	-2.	-1.	2.3	1867.	53.	-2.0	-67.	3.133
411034	-2	17250.	774.	19850.	-43.	-3.	1.0	3.1	-315.	-2.	-1.	3.6	5631.	187.	2.0	-17.	2.070
411035	-2	14700.	501.	16160.	-45.	-3.	19.9	3.1	-303.	-2.	-1.	3.0	3655.	129.	3.2	122.	2.710
411036	-3	18100.	651.	17200.	-47.	-3.	23.0	3.2	-253.	-2.	-1.	3.6	5364.	176.	3.1	-69.	2.350
411037	-1	7000.	883.	7501.	-51.	-3.	9.0	1.0	-347.	-2.	-1.	-1.5	2001.	52.	-1.9	-50.	-999.000
411038	-2	13030.	731.	13300.	-60.	-4.	10.0	3.0	-440.	-3.	-1.	3.7	2738.	113.	-2.7	-60.	2.915
411039	-3	21120.	836.	17680.	-40.	-3.	25.3	3.5	-243.	-1.	-1.	3.0	5005.	176.	2.7	-50.	1.818
411040	-2	21350.	720.	15870.	-58.	-4.	24.1	2.9	-310.	-2.	-1.	4.3	4535.	184.	-2.9	-82.	2.967
411041	-3	12440.	727.	15000.	-44.	-3.	10.7	4.0	-341.	-2.	-1.	5.0	5514.	129.	-1.9	-132.	2.480
411043	-3	10470.	795.	10100.	-45.	-3.	20.2	3.3	-324.	-2.	-1.	4.8	4514.	159.	-2.1	-109.	2.439
411044	-4	13200.	554.	11180.	-67.	-5.	24.5	-4.2	-343.	-2.	-1.	3.9	3443.	260.	5.8	-111.	2.597
411051	-1	5150.	316.	10000.	-42.	-3.	9.9	1.0	-327.	-2.	-1.	3.9	2227.	68.	-2.3	-21.	4.237
411053	-2	10180.	611.	10380.	-49.	-3.	15.0	3.4	-355.	-2.	-1.	4.7	4007.	127.	-1.9	291.	2.433
411054	-4	17500.	741.	16570.	-49.	-4.	20.5	3.5	-307.	-2.	-1.	4.5	4902.	149.	3.3	147.	2.141
411055	-3	14100.	640.	17380.	-54.	-4.	20.0	3.1	-309.	-2.	-1.	4.6	4240.	156.	-2.7	-60.	2.770
411057	-1	4030.	230.	7179.	-54.	-3.	6.0	-0.6	-324.	-3.	-1.	-1.5	1423.	54.	-2.2	-70.	-999.000
411058	-2	7800.	377.	10700.	-61.	-5.	10.5	-0.9	-360.	-3.	-1.	4.5	2919.	74.	-3.2	292.	4.202
411059	-3	13900.	721.	17310.	-44.	-3.	21.0	2.9	-279.	-1.	-1.	5.7	4467.	156.	4.5	-59.	3.677
411061	-1	7000.	465.	7005.	-46.	-3.	6.0	2.0	-383.	-3.	-1.	2.2	2023.	62.	-2.4	130.	2.717
411062	-2	12020.	489.	16530.	-47.	-3.	10.0	3.0	-319.	-2.	-1.	5.0	4580.	126.	-2.0	-117.	2.600
411063	-3	12070.	795.	14830.	-69.	-4.	20.1	3.0	-307.	-3.	-1.	5.3	4192.	163.	-2.9	100.	2.304
411064	-1	11540.	611.	17320.	-57.	-4.	15.1	3.4	-329.	-2.	-1.	3.5	3900.	118.	-2.0	592.	1.757
411065	-4	12000.	776.	17530.	-40.	-3.	17.0	4.0	-310.	-1.	-1.	5.5	4778.	161.	-1.0	189.	2.710
411066	-2	13300.	590.	16740.	-49.	-3.	17.7	3.0	-359.	-2.	-1.	4.0	4709.	235.	-1.9	172.	1.653
411067	-2	5932.	381.	6602.	-69.	-4.	7.7	1.0	-390.	-3.	-1.	-2.3	1584.	78.	-3.3	255.	-999.000
411069	-3	10940.	905.	19240.	-40.	-3.	20.4	3.4	-288.	-2.	-1.	3.7	5050.	185.	-2.1	-50.	1.840
411072	-4	14190.	795.	12200.	-40.	-5.	16.5	5.3	-311.	-1.	-1.	9.8	5307.	184.	4.1	-72.	2.924
411073	-1	14200.	872.	9957.	-48.	-3.	21.4	3.0	-208.	-1.	-1.	6.0	4123.	175.	-2.2	176.	3.012
411079	-2	13100.	644.	15080.	-54.	-4.	10.4	2.4	-328.	-2.	-1.	-1.8	3762.	127.	-2.0	-65.	-999.000
411080	-1	13390.	591.	18130.	-38.	-2.	10.7	3.2	-280.	-2.	-1.	5.9	5141.	144.	-1.7	142.	3.040
411081	-3	11410.	1651.	16560.	-49.	-3.	10.1	3.0	-481.	-1.	-1.	5.3	4345.	139.	-1.8	-37.	2.110
411084	-3	19400.	1162.	12100.	92.	0.	24.4	5.0	-303.	-2.	-1.	10.2	5699.	279.	-2.2	240.	2.717
411089	-3	16100.	902.	17570.	-46.	-3.	17.9	4.1	-370.	-2.	-1.	6.4	5280.	157.	-2.0	202.	2.882
411090	-3	14280.	795.	16070.	-42.	-3.	20.3	3.3	-246.	-1.	-1.	4.8	4494.	159.	-2.0	-92.	2.410
411091	-3	17700.	890.	16360.	-39.	-3.	25.1	3.9	-245.	-1.	-1.	3.7	5214.	172.	-2.0	-48.	1.957
411094	-2	9005.	629.	15860.	-51.	-4.	16.0	-2.9	-340.	-2.	-1.	4.1	3708.	210.	-2.2	-51.	2.457
411095	-3	13880.	844.	19040.	-40.	-3.	20.5	4.1	-280.	-2.	-1.	4.6	4857.	172.	-2.4	-55.	2.276
411098	-2	9006.	483.	14240.	-74.	-5.	13.7	-1.0	-480.	-3.	-1.	2.7	3312.	106.	-3.2	-118.	2.370
411099	-2	7219.	349.	8079.	-50.	-4.	10.4	1.5	-305.	-3.	-1.	-2.1	2299.	76.	-3.1	-117.	-999.000
411100	-2	15090.	698.	16850.	-63.	-3.	20.0	3.1	-250.	-1.	-1.	3.7	4834.	164.	3.4	107.	2.151
411101	-2	13990.	557.	13030.	-54.	-7.	19.1	-1.9	-310.	-2.	-1.	3.0	5902.	167.	-3.8	-109.	2.353
411102	-4	21050.	947.	12540.	-59.	-4.	25.1	3.5	-370.	-2.	-1.	6.8	5087.	220.	-4.4	-191.	2.217
411103	-5	19520.	1000.	13950.	-50.	-7.	26.1	6.3	-323.	-2.	-1.	5.5	5247.	203.	-3.3	-102.	1.739
411110	-3	17270.	1250.	16000.	-50.	-0.	21.3	6.9	-349.	-1.	-1.	6.3	5317.	195.	5.0	209.	2.309
411115	-4	15190.	1045.	12710.	-37.	-5.	23.0	7.5	-229.	-1.	-1.	4.9	5760.	217.	4.2	101.	2.190
411118	-5	25320.	1730.	11570.	-68.	-5.	41.4	3.0	-400.	-2.	-1.	3.3	4656.	265.	3.2	-100.	1.825
411119	-1	4558.	282.	9588.	-44.	-3.	6.5	-0.0	-301.	-2.	-1.	-1.5	1649.	45.	-2.1	-94.	-999.000
411120	-2	12200.	674.	20690.	-34.	-3.	20.7	3.4	-292.	-2.	-1.	3.9	5471.	150.	3.0	-50.	2.227
411121	-1	4750.	324.	10450.	-39.	-2.	7.7	2.4	-249.	-2.	-1.	3.5	2214.	47.	-1.0	83.	2.849

AT DAVIS LAKE SEDIMENTS

PG. ONE - SAMPLE

SAMPLE NO.	DATE	TIME	PD	COND.	SCINT.	CHLOROPHYLL PPM	SILICA PPM	ELIMININ PPM	CALCIUM PPM	COPPER PPM	NICKEL PPM	NICKEL PPM	LEAD PPM	FE PPM	TOTAL FE PPM
411122	03.0344	146.7150	0.	15.	-999.	1.80	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411123	03.7197	146.6306	0.	47.	-999.	4.38	-5.	-5.	-5.	61.	-20.	57.	15.	-10.	-15.
411124	03.0506	146.5547	9.	0.	-999.	1.29	-5.	-5.	-5.	33.	-20.	27.	10.	-10.	-15.
411125	03.0150	146.7501	0.	4.	-999.	1.40	-5.	-5.	-5.	50.	-20.	-15.	10.	-10.	-15.
411127	03.0403	146.1050	0.	4.	-999.	4.07	-5.	-5.	-5.	59.	-20.	-15.	-5.	-10.	-15.
411130	03.1109	146.5767	0.	100.	0.	1.10	-5.	-5.	-5.	30.	-20.	15.	10.	-10.	-15.
411131	03.1219	146.9494	7.	74.	-999.	3.50	-5.	-5.	-5.	0.	-20.	37.	8.	-10.	-15.
411134	03.7211	146.2703	7.	42.	-999.	3.50	-5.	-5.	-5.	64.	-20.	56.	17.	-10.	-15.
411135	03.7117	146.4492	7.	38.	-999.	3.08	-5.	-5.	-5.	54.	-20.	20.	12.	-10.	-15.
411136	03.7192	146.4508	7.	49.	-999.	3.07	-5.	-5.	-5.	25.	-20.	24.	11.	-10.	-15.
411139	03.1047	146.5125	9.	05.	-999.	1.95	-5.	-5.	-5.	64.	-20.	37.	-5.	-10.	-15.
411141	03.1344	146.5200	9.	4.	-999.	1.05	-5.	-5.	-5.	63.	-20.	56.	6.	-10.	-15.
411152	03.1803	146.5109	0.	230.	-999.	1.22	-5.	-5.	-5.	93.	-20.	75.	-5.	-10.	-15.
411154	03.2753	146.6094	0.	145.	-999.	1.30	-5.	-5.	-5.	124.	-20.	175.	-5.	-10.	-15.
411159	03.3130	146.9022	0.	45.	-999.	1.20	-5.	-5.	-5.	102.	-20.	690.	-5.	-10.	-15.
411160	03.3003	146.0703	0.	25.	-999.	1.05	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411163	03.2720	146.8992	0.	46.	-999.	1.41	-5.	-5.	-5.	57.	-20.	211.	-5.	-10.	-15.
411164	03.2704	146.9301	0.	00.	-999.	1.52	-5.	-5.	-5.	71.	-20.	232.	-5.	-10.	-15.
411165	03.2722	146.0342	0.	54.	-999.	1.43	-5.	-5.	-5.	76.	-20.	308.	7.	-10.	-15.
411170	03.2953	146.2375	9.	5.	-999.	0.67	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411177	03.2947	146.1039	0.	72.	-999.	2.20	-5.	-5.	-5.	33.	-20.	73.	-5.	-10.	-15.
411178	03.2725	146.1928	0.	08.	-999.	2.25	-5.	-5.	-5.	84.	-20.	207.	7.	-10.	-15.
411180	03.2857	146.3303	0.	17.	-999.	2.66	-5.	-5.	-5.	74.	-20.	-15.	-5.	-10.	-15.
411182	03.2900	146.4215	9.	15.	-999.	2.80	-5.	-5.	-5.	63.	-20.	02.	-5.	-10.	-15.
411183	03.2764	146.4820	0.	72.	-999.	2.00	-5.	-5.	-5.	69.	-20.	94.	6.	-10.	-15.
411184	03.3011	146.5047	0.	101.	-999.	2.50	-5.	-5.	-5.	63.	-20.	45.	-5.	-10.	-15.
411191	03.3111	146.7530	0.	20.	-999.	1.11	-5.	-5.	-5.	231.	-20.	37.	-5.	-10.	-15.
411202	03.2450	146.4122	0.	4.	-999.	0.80	-5.	-5.	-5.	282.	-20.	79.	-5.	-10.	-15.
411203	03.2392	146.4901	0.	10.	-999.	0.55	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411206	03.2464	146.5400	0.	20.	-999.	0.95	-5.	-5.	-5.	64.	-20.	-15.	-5.	-10.	-15.
411211	03.1642	146.6350	0.	53.	-999.	0.67	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.
411213	03.1206	146.6514	0.	25.	-999.	0.47	-5.	-5.	-5.	34.	-20.	-15.	-5.	-10.	-15.
411214	03.1050	146.6131	0.	21.	-999.	1.07	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411215	03.0825	146.6919	0.	12.	-999.	1.22	-5.	-5.	-5.	33.	-20.	-15.	11.	-10.	-15.
411216	03.0509	146.6008	0.	13.	-999.	1.77	-5.	-5.	-5.	29.	-20.	-15.	13.	-10.	-15.
411217	03.0406	146.6264	0.	11.	-999.	2.34	-5.	-5.	-5.	31.	-20.	17.	9.	-10.	-15.
411218	03.0167	146.6492	7.	4.	-999.	1.93	-5.	-5.	-5.	31.	-20.	17.	9.	-10.	-15.
411219	03.0319	146.7072	7.	4.	-999.	1.81	-5.	-5.	-5.	26.	-20.	-15.	11.	-10.	-15.
411221	03.0311	146.8020	7.	2.	-999.	1.07	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411222	03.0353	146.6381	7.	1.	-999.	1.75	-5.	-5.	-5.	44.	-20.	28.	-5.	-10.	-15.
411224	03.0169	146.9244	0.	24.	-999.	1.65	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411227	03.0509	146.9944	0.	35.	-999.	1.62	-5.	-5.	-5.	62.	-20.	24.	-5.	-10.	-15.
411230	03.0592	146.8944	0.	3.	-999.	1.30	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411232	03.0644	146.6242	0.	14.	-999.	2.11	-5.	-5.	-5.	73.	-20.	56.	-5.	-10.	-15.
411233	03.0744	146.7571	0.	0.	-999.	1.66	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411234	03.0731	146.7094	0.	05.	-999.	0.55	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411235	03.1000	146.7981	0.	0.	-999.	1.45	-5.	-5.	-5.	76.	-20.	41.	-5.	-10.	-15.
411236	03.1078	146.8203	7.	3.	-999.	0.80	-5.	-5.	-5.	37.	-20.	18.	-5.	-10.	-15.
411237	03.0950	146.6201	7.	7.	-999.	4.57	-5.	-5.	-5.	73.	-20.	51.	-5.	-10.	-15.
411238	03.1039	146.9344	7.	5.	-999.	1.75	-5.	-5.	-5.	41.	-20.	22.	10.	-10.	-15.

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PC. TWO- SAMPLE

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SAMPLE NO.	01 PPM	02 PPM	03 PPM	04 PPM	05 PPM	06 PPM	07 PPM	08 PPM	09 PPM	10 PPM	11 PPM	12 PPM	13 PPM	14 PPM	15 PPM	16 PPM	17 PPM	18 PPM
411122	-1.	10.	54920.	-0.	743.	-3040.	35.	-210.	10.8	143.	-4.2	6.	.0	17340.	-2.0	-7392.	-10.	
411123	3.	34.	80050.	-0.	1452.	4500.	12.	-47.	16.9	124.	6.2	7.	1.9	32100.	8.3	51010.	50.	
411125	3.	15.	75550.	-0.	699.	27200.	33.	391.	12.7	89.	-1.8	3.	1.1	33130.	4.8	9203.	16.	
411126	2.	11.	75070.	-0.	554.	20400.	37.	700.	10.1	67.	-2.1	4.	1.2	20210.	3.5	9548.	17.	
411127	1.	5.	37820.	-0.	449.	23150.	27.	294.	6.9	165.	-3.3	3.	.0	25400.	-1.4	-4900.	-10.	
411128	2.	12.	66770.	-0.	619.	22610.	31.	875.	10.0	61.	-2.0	4.	1.1	33420.	4.7	10430.	-4.	
411133	3.	15.	72550.	-0.	1045.	17070.	51.	-111.	17.3	-110.	-2.7	6.	1.5	31740.	6.9	10800.	30.	
411134	4.	15.	60890.	-0.	949.	16430.	25.	262.	18.5	105.	-2.9	5.	1.5	33950.	5.5	12070.	33.	
411137	2.	6.	60150.	-0.	1367.	12500.	50.	-112.	12.4	98.	-3.1	5.	1.4	25200.	5.0	14410.	34.	
411138	3.	15.	70300.	-0.	1367.	11500.	95.	-103.	9.5	125.	-2.5	5.	1.7	30730.	6.7	19190.	36.	
411150	-1.	2.	40270.	-0.	514.	16130.	34.	307.	9.0	88.	-2.6	3.	1.1	19030.	-1.0	-4132.	-0.	
411151	2.	10.	73570.	-0.	526.	20740.	30.	-133.	14.8	190.	-2.3	4.	1.0	37030.	4.1	8637.	14.	
411152	4.	9.	64570.	-0.	-222.	47180.	23.	200.	29.7	314.	-2.4	3.	.8	73070.	3.7	-5250.	-4.	
411158	5.	11.	60820.	-0.	-214.	41900.	23.	-139.	39.8	330.	-2.8	3.	1.1	81630.	-1.5	-5291.	-5.	
411159	2.	7.	50600.	-0.	475.	20040.	19.	-131.	60.5	874.	-3.3	-1.	.6	62610.	-1.4	-5067.	-7.	
411160	-1.	21.	55030.	-0.	342.	23770.	20.	223.	43.4	3975.	-2.5	3.	.7	40020.	-1.0	6024.	-0.	
411163	4.	10.	60540.	-0.	523.	24110.	20.	304.	28.9	806.	-3.0	3.	1.0	37300.	2.4	-4377.	10.	
411164	2.	11.	54900.	-0.	720.	20050.	32.	-123.	30.8	1012.	-2.7	3.	1.0	70630.	3.0	-4853.	-0.	
411168	3.	17.	60470.	-0.	429.	25540.	27.	-108.	30.6	743.	-2.3	3.	.9	54050.	2.3	0215.	15.	
411171	-1.	6.	21300.	-0.	-175.	-1105.	-0.	402.	10.3	86.	-2.5	2.	.3	13470.	-1.7	-3471.	-0.	
411177	1.	6.	62900.	-0.	582.	15600.	42.	220.	10.3	289.	2.7	4.	1.0	34950.	4.2	14100.	21.	
411178	4.	23.	73020.	-0.	738.	23000.	34.	-151.	20.4	474.	-2.6	5.	1.2	42220.	-1.5	11440.	13.	
411180	3.	13.	59610.	-0.	576.	28540.	45.	-100.	14.9	69.	-1.7	5.	1.5	54700.	4.7	6581.	21.	
411182	1.	43.	65020.	-0.	520.	22380.	77.	-112.	20.5	389.	4.5	6.	1.3	45300.	4.0	9429.	34.	
411183	3.	27.	73500.	-0.	429.	23040.	42.	363.	22.7	238.	-2.4	4.	1.2	30060.	4.4	11340.	10.	
411184	3.	25.	69820.	-0.	1024.	20100.	34.	-134.	15.9	162.	-2.5	4.	1.1	41720.	3.1	11030.	10.	
411191	-1.	20.	67070.	-0.	264.	33030.	46.	-130.	26.2	130.	-3.0	4.	1.4	50270.	-1.0	-4947.	-0.	
411202	2.	6.	70740.	-1.	380.	51050.	25.	-116.	30.1	168.	-2.0	4.	1.2	70850.	3.2	-4700.	-59.	
411203	-1.	8.	23910.	-0.	-149.	7927.	-0.	308.	6.0	50.	-2.5	-1.	-4	10390.	-1.0	-4019.	-9.	
411207	1.	3.	43050.	-0.	263.	22000.	16.	270.	9.4	84.	-3.2	2.	.7	27280.	-1.4	-4482.	-0.	
411211	-1.	7.	16900.	-0.	253.	9200.	-0.	-78.	4.5	51.	-2.0	-1.	.3	8017.	-1.3	-2002.	-7.	
411213	-1.	1.	14350.	-0.	-100.	17000.	-7.	373.	-1.9	-13.	-2.2	-1.	-3	8020.	-1.0	-3041.	-9.	
411214	-1.	15.	35400.	-0.	533.	10070.	26.	580.	-2.2	52.	-2.7	2.	.6	12100.	3.2	-4100.	-9.	
411215	1.	2.	50050.	-0.	432.	17590.	26.	877.	7.8	27.	-2.1	-1.	.6	13690.	2.6	-4329.	-7.	
411216	2.	7.	71250.	-0.	768.	27410.	35.	1401.	5.3	-0.	-1.5	2.	1.0	15950.	2.7	10930.	17.	
411217	2.	25.	83950.	-0.	858.	31100.	45.	1740.	8.2	-7.	-1.5	3.	1.0	23590.	3.5	17780.	22.	
411218	2.	12.	77840.	-0.	602.	25300.	52.	834.	7.5	58.	-2.3	4.	1.0	24140.	4.3	10900.	22.	
411219	2.	21.	73010.	-0.	603.	25400.	40.	1224.	6.7	35.	-2.0	2.	1.1	23090.	3.5	11640.	15.	
411221	-1.	29.	61570.	-0.	613.	24250.	39.	648.	9.3	63.	-1.4	3.	.9	20740.	3.3	10450.	19.	
411222	2.	13.	70410.	-0.	495.	30220.	32.	454.	13.2	81.	-1.4	5.	1.0	37590.	4.1	8591.	17.	
411225	-1.	34.	62310.	-0.	301.	25020.	31.	-149.	12.7	98.	-2.8	3.	.9	27700.	3.7	-4013.	-7.	
411227	2.	9.	64090.	-0.	643.	15730.	30.	224.	12.4	119.	-2.5	4.	1.1	32010.	3.5	8760.	10.	
411230	-1.	19.	57490.	-0.	340.	14940.	29.	480.	8.2	77.	-2.0	4.	1.0	22360.	2.3	8207.	-0.	
411232	3.	17.	70870.	-0.	407.	22700.	43.	308.	10.0	104.	-2.5	4.	1.2	40820.	4.1	10080.	19.	
411233	-1.	27.	72480.	-0.	842.	25770.	42.	1670.	5.6	-9.	-1.0	2.	.9	13090.	3.0	9733.	-5.	
411234	-1.	9.	26140.	-0.	290.	-1015.	10.	577.	-2.4	-15.	-2.0	-1.	-4	4794.	-1.7	-4112.	-10.	
411235	2.	13.	71350.	-0.	375.	31080.	25.	239.	10.0	88.	-2.5	4.	1.1	42880.	4.0	6903.	14.	
411236	-1.	3.	30100.	-0.	-170.	-1340.	17.	512.	-1.8	-13.	-2.4	1.	-4	7089.	-1.0	-3007.	-0.	
411242	3.	20.	67030.	-0.	577.	35170.	41.	-110.	18.4	57.	-1.0	4.	1.2	43730.	7.0	6205.	21.	
411244	2.	23.	73040.	-0.	430.	25210.	40.	400.	15.0	100.	-2.0	4.	1.2	36910.	5.2	10710.	21.	

SAMPLE ID	TH PPM	TC PPM	PH PPM	NA PPM	FF PPM	SE PPM	SC PPM	SP PPM	SB PPM	TA PPM	TS PPM	TH PPM	TI PPM	V PPM	YB PPM	ZK PPM	U/TH RATIO
411122	-2	12100.	400.	9920.	-47.	-5.	11.3	-1.3	-500.	-5.	-1.	3.7	3575.	111.	-3.9	-107.	1.900
411123	-4	11550.	371.	9520.	144.	6.	17.2	0.3	-201.	-2.	-1.	18.5	5470.	150.	5.7	-248.	4.219
411124	-2	12240.	720.	19000.	-34.	-2.	15.5	2.7	-253.	-2.	-1.	5.0	5530.	121.	2.9	-115.	2.050
411126	-3	11500.	699.	10520.	-41.	-3.	15.5	3.9	-304.	-2.	-1.	3.5	4795.	121.	-1.7	122.	2.053
411127	-2	10170.	480.	10350.	-58.	-4.	10.7	1.9	-413.	-3.	-1.	-2.0	2697.	122.	-3.0	-999.	-999.000
411130	-1	7000.	603.	19520.	-42.	-3.	11.7	2.8	-331.	-1.	-1.	3.0	4175.	116.	2.2	108.	2.000
411131	-4	8571.	522.	13110.	-52.	-3.	10.3	7.1	-310.	-1.	-1.	9.3	4850.	119.	4.1	-10.	2.000
411134	-4	8917.	508.	11220.	-54.	-4.	17.4	0.0	-325.	-2.	-1.	9.6	5561.	129.	-2.9	231.	2.740
411138	-2	8930.	358.	8207.	-60.	-4.	15.0	4.5	-324.	-2.	-1.	10.2	3897.	134.	4.1	-133.	3.311
411139	-3	8861.	433.	11300.	-45.	-3.	10.7	0.0	-272.	-1.	-1.	0.0	5329.	157.	4.0	-91.	2.001
411150	-2	9253.	308.	9080.	-51.	-3.	12.9	3.0	-202.	-3.	-1.	-1.7	2679.	69.	-2.5	121.	-999.000
411151	-3	11010.	600.	17000.	-43.	-3.	10.5	3.0	-250.	-1.	1.	3.2	4209.	130.	2.0	170.	1.930
411152	-3	19100.	1700.	10010.	-52.	-4.	31.0	2.7	-430.	-2.	2.	2.7	3403.	235.	-2.3	-61.	2.212
411154	-3	24710.	1642.	15400.	-55.	-4.	29.7	3.1	-300.	-2.	-1.	-1.0	3907.	250.	3.5	89.	-999.000
411159	-2	30230.	957.	10370.	-70.	-4.	19.7	2.1	-437.	-3.	-1.	2.8	4110.	149.	-3.0	100.	2.331
411160	-2	30050.	604.	11370.	-52.	-3.	18.0	2.0	-290.	-2.	-1.	-1.8	3504.	142.	-2.2	171.	-999.000
411163	-2	16330.	605.	14510.	-53.	-4.	17.3	2.3	-350.	-2.	-1.	3.2	3100.	110.	-2.0	-123.	2.200
411164	-2	19180.	1301.	13910.	-55.	-3.	19.1	2.0	-409.	-2.	-1.	3.3	4213.	143.	-2.5	-60.	2.169
411168	-2	20950.	1130.	14500.	-42.	-3.	22.1	3.2	-331.	-1.	-1.	2.9	3700.	180.	2.0	-50.	1.961
411170	-1	5003.	223.	4990.	-50.	-3.	5.7	-0.8	-291.	-2.	-1.	-1.0	1405.	47.	-2.3	222.	-999.000
411177	-3	13970.	605.	15050.	-43.	-3.	15.9	3.7	-273.	-2.	-1.	4.2	4420.	145.	3.3	-35.	1.900
411178	-2	21540.	740.	10300.	-49.	-3.	20.3	3.0	-339.	-1.	-1.	3.0	3893.	103.	-2.2	117.	1.009
411180	-4	10170.	919.	17880.	-32.	-2.	21.9	5.1	550.	-1.	1.	3.0	4554.	150.	3.7	225.	1.127
411182	-4	11710.	1091.	19050.	-30.	-3.	19.4	5.3	-315.	-1.	-1.	7.2	5585.	123.	5.1	100.	2.571
411183	-2	12070.	900.	17710.	-44.	-3.	18.0	4.2	-304.	-1.	-1.	4.1	4000.	130.	-2.1	-98.	2.049
411184	-2	11290.	737.	15790.	-48.	-3.	18.0	3.0	-305.	-2.	-1.	3.1	3973.	170.	2.9	120.	1.211
411191	-2	21090.	803.	12020.	-60.	-4.	27.0	2.9	-401.	-2.	-1.	3.0	5740.	200.	-3.0	-80.	3.247
411202	-2	20200.	1275.	12090.	-68.	-10.	30.0	-4.7	-391.	-2.	-1.	-1.7	7398.	297.	-0.0	170.	-999.000
411203	-1	4720.	193.	9240.	-55.	-3.	5.0	-0.8	-204.	-3.	-1.	-1.0	1739.	53.	-2.3	-53.	-999.000
411206	-2	7182.	404.	9290.	-54.	-4.	14.0	2.3	-303.	-3.	-1.	-1.9	4081.	151.	-2.0	191.	-999.000
411211	-1	2710.	157.	3830.	-39.	-2.	4.0	1.1	-223.	-2.	-1.	-1.3	-550.	47.	-1.9	150.	-999.000
411213	-1	-2042.	150.	3000.	-50.	-3.	3.4	-0.7	-200.	-3.	-1.	-1.5	-024.	31.	-2.2	-79.	-999.000
411214	-2	5174.	314.	10570.	-55.	-4.	7.3	1.0	-344.	-3.	-1.	2.5	1708.	43.	-2.0	-72.	2.330
411215	-1	5185.	390.	14020.	-47.	-3.	6.1	2.4	-344.	-2.	-1.	3.0	1063.	50.	-2.1	121.	2.457
411216	-2	6199.	517.	22120.	-31.	-2.	6.0	3.5	572.	-1.	-999.	4.7	2047.	45.	1.9	-67.	2.053
411217	-2	7510.	690.	28500.	-32.	-2.	7.0	3.0	-320.	-1.	-999.	6.7	2700.	61.	-1.4	-55.	2.053
411218	-2	9214.	590.	21730.	-40.	-3.	13.1	2.0	-351.	-2.	-1.	5.2	4225.	90.	-2.2	-70.	2.095
411219	-3	9199.	619.	22140.	-34.	-3.	9.4	3.4	-357.	-2.	-1.	5.0	2527.	68.	-1.7	199.	2.702
411221	-3	11050.	610.	21020.	-35.	-2.	13.3	3.4	605.	-1.	-1.	5.9	4041.	105.	2.9	109.	3.155
411222	-3	12000.	757.	20970.	-39.	-2.	18.1	3.5	300.	-2.	1.	4.5	5047.	152.	3.0	100.	2.571
411224	-1	9727.	557.	20350.	-49.	-4.	15.0	2.0	-307.	-2.	-1.	-1.7	4540.	143.	-2.5	-64.	-999.000
411227	-2	15100.	407.	15080.	-45.	-3.	20.2	3.0	-261.	-2.	-1.	-1.4	4090.	171.	3.3	145.	-999.000
411230	-1	5073.	412.	13500.	-54.	-3.	13.3	2.9	-334.	-2.	-1.	3.3	3432.	85.	-2.3	132.	2.530
411232	-2	13500.	732.	10510.	-44.	-3.	23.0	4.1	-300.	-2.	-1.	4.5	5019.	173.	-1.9	-02.	2.132
411233	-1	1333.	557.	24030.	-37.	-2.	5.4	-2.4	-330.	-2.	-1.	4.4	2241.	30.	-1.5	121.	2.304
411234	-1	5025.	104.	5020.	-62.	-3.	5.4	2.0	-291.	-3.	-1.	-1.7	1404.	22.	-2.4	-14.	-999.000
411235	-2	11200.	774.	19120.	-47.	-3.	20.3	3.1	-331.	-1.	-1.	3.2	6210.	179.	3.3	-143.	2.193
411236	-1	-2053.	219.	7304.	-40.	-2.	5.0	-0.9	-290.	-2.	-1.	-1.0	1527.	30.	-2.3	217.	-999.000
411237	-4	13250.	1159.	22420.	-31.	-2.	19.2	4.0	-205.	-1.	-1.	4.0	6547.	132.	3.3	90.	1.050
411238	-2	11320.	603.	20510.	-48.	-3.	19.4	3.3	-350.	-2.	-1.	3.4	5201.	139.	-2.0	120.	1.942

PT HAYES LAKE SEDIMENTS

PG. ONE - SAMPLE 5

SAMPLE NO.	LAT.	LONG.	TH	COND.	SCENT.	COBALT PPM	SILVER PPM	BIOMUTH PPM	CALCIUM PPM	COPPER PPM	NICKEL PPM	NICKEL PPM	LEAD PPM	IRON PPM	TUNGSTEN PPM
411241	63.1344	146.4292	8.	78.	-999.	3.15	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411242	63.1347	146.4322	7.	162.	-999.	3.54	-5.	-5.	-5.	76.	-20.	12.	-5.	-10.	-15.
411243	63.1344	146.4356	7.	71.	-999.	2.09	-5.	-5.	-5.	164.	-20.	63.	-5.	-10.	-15.
411244	63.2044	146.4278	10.	102.	-999.	2.05	-5.	-5.	-5.	131.	-20.	67.	-5.	-10.	-15.
411245	63.0422	146.7314	8.	2.	-999.	1.97	-5.	-5.	-5.	86.	-20.	28.	-5.	-10.	-15.
411246	63.1143	146.7397	8.	66.	-999.	3.43	-5.	-5.	-5.	52.	-20.	15.	-5.	-10.	-15.
411247	63.1856	146.7472	8.	64.	-999.	1.55	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411248	63.2131	146.7259	9.	8.	-999.	.74	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411249	63.2247	146.7444	8.	56.	-999.	2.33	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411250	63.2456	146.7442	8.	65.	-999.	.67	-5.	-5.	-5.	219.	-20.	45.	-5.	-10.	-15.
411251	63.2711	146.6833	8.	53.	-999.	2.37	-5.	-5.	-5.	65.	-20.	33.	-5.	-10.	-15.
411252	63.2922	146.6281	7.	38.	-999.	1.34	-5.	-5.	-5.	50.	-20.	32.	-5.	-10.	-15.
411253	63.3106	146.6506	7.	92.	-999.	1.26	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411271	63.3342	146.4117	8.	22.	-999.	2.69	-5.	-5.	-5.	90.	-20.	35.	-5.	-10.	-15.
411273	63.3789	146.6206	8.	41.	6.	.93	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411274	63.4003	146.6675	8.	112.	-999.	2.59	-5.	-5.	-5.	36.	-20.	32.	-5.	-10.	-15.
411276	63.4414	146.4056	8.	12.	-999.	5.42	-5.	-5.	-5.	20.	-20.	30.	-5.	-10.	-15.
411278	63.4867	146.4506	9.	24.	-999.	4.51	-5.	-5.	-5.	29.	-20.	15.	-5.	-10.	-15.
411280	63.4747	146.4942	7.	49.	-999.	2.97	-5.	-5.	-5.	46.	-20.	15.	-5.	-10.	-15.
411283	63.4631	146.4094	8.	22.	-999.	2.78	-5.	-5.	-5.	54.	-20.	25.	-5.	-10.	-15.
411284	63.2727	146.4856	8.	22.	-999.	1.75	-5.	-5.	-5.	53.	-20.	38.	-5.	-10.	-15.
411292	63.2906	146.4383	8.	56.	-999.	2.46	-5.	-5.	-5.	69.	-20.	47.	-5.	-10.	-15.
411293	63.3025	146.4322	8.	30.	-999.	1.71	-5.	-5.	-5.	66.	-20.	74.	-5.	-10.	-15.
411294	63.3222	146.4327	8.	22.	-999.	2.42	-5.	-5.	-5.	41.	-20.	50.	-5.	-10.	-15.
411297	63.2142	146.4900	7.	32.	-999.	5.86	-5.	-5.	-5.	26.	-20.	22.	-5.	-10.	-15.
411298	63.2161	146.5033	7.	33.	-999.	5.47	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411299	63.2306	146.5956	7.	25.	-999.	4.42	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411300	63.2247	146.6044	8.	18.	-999.	4.71	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411331	63.6647	146.6733	8.	35.	-999.	2.14	-5.	-5.	-5.	61.	-20.	27.	-5.	-10.	-15.
411334	63.6158	146.0133	8.	174.	-999.	3.61	-5.	-5.	-5.	39.	-20.	20.	-5.	-10.	-15.
411342	63.6403	146.4833	9.	98.	-999.	3.16	-5.	-5.	-5.	26.	-20.	31.	13.	-10.	-15.
411344	63.6197	146.4594	8.	142.	-999.	6.27	-5.	-5.	-5.	37.	-20.	15.	-5.	-10.	-15.
411346	63.6758	146.7183	6.	14.	-999.	3.97	-5.	-5.	-5.	80.	-20.	37.	-5.	-10.	-15.
411347	63.6456	146.7811	8.	19.	-999.	3.11	-5.	-5.	-5.	37.	-20.	61.	10.	-10.	-15.
411359	63.5842	146.3561	8.	76.	-999.	5.44	-5.	-5.	-5.	62.	-20.	50.	27.	-10.	-15.
411360	63.6189	146.1986	7.	20.	-999.	5.02	-5.	-5.	-5.	32.	-20.	15.	10.	-10.	-15.
411367	63.6164	146.1569	7.	12.	-999.	2.76	-5.	-5.	-5.	46.	-20.	15.	12.	-10.	-15.
411371	63.5742	146.0567	8.	267.	-999.	4.41	-5.	-5.	-5.	56.	-20.	25.	15.	-10.	-15.
411376	63.5114	146.4769	6.	35.	-999.	4.66	-5.	-5.	-5.	36.	-20.	23.	14.	-10.	-15.
411378	63.5514	146.4550	7.	214.	-999.	5.57	-5.	-5.	-5.	38.	-20.	20.	23.	-10.	-15.
411382	63.6475	146.0131	8.	56.	-999.	4.51	-5.	-5.	-5.	64.	-20.	42.	24.	-10.	-15.
411383	63.6408	146.0850	7.	42.	-999.	3.57	-5.	-5.	-5.	39.	-20.	21.	10.	-10.	-15.
411384	63.6347	146.0439	7.	73.	-999.	3.63	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411385	63.6631	146.0586	8.	44.	-999.	4.44	-5.	-5.	-5.	51.	-20.	125.	55.	-10.	-15.
411386	63.6850	146.0844	8.	84.	-999.	3.16	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411387	63.6906	146.1431	8.	84.	-999.	7.32	-5.	-5.	-5.	75.	-20.	99.	86.	72.	-15.
411391	63.6775	146.3903	8.	190.	-999.	3.53	-5.	-5.	-5.	42.	-20.	28.	13.	-10.	-15.
411403	63.7522	146.6894	7.	43.	-999.	2.16	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411406	63.8439	146.7483	6.	26.	-999.	1.58	-5.	-5.	-5.	27.	-20.	15.	-5.	-10.	-15.
411407	63.8600	146.8053	7.	56.	-999.	2.68	-5.	-5.	-5.	33.	-20.	25.	-5.	-10.	-15.

SAMPLE NO.	PH	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
411241	1.	54.	62370.	-0.	443.	11710.	35.	-135.	32.8	137.	7.9	5.	1.0	67500.	3.6	14330.	-7.
411242	2.	17.	57130.	-0.	534.	24010.	26.	-103.	15.0	111.	-2.9	5.	1.1	45580.	-1.7	9431.	-7.
411243	3.	73.	72550.	-0.	457.	26550.	36.	-125.	24.7	144.	-3.2	5.	1.3	58460.	4.1	11910.	17.
411244	7.	30.	71410.	-0.	537.	24480.	38.	-121.	22.8	115.	5.5	5.	1.2	61540.	5.3	9421.	20.
411245	7.	9.	77670.	-0.	504.	17660.	27.	475.	10.7	50.	-2.1	3.	1.0	32630.	3.1	11600.	19.
411246	1.	9.	67460.	-0.	-191.	31520.	24.	245.	10.4	135.	-2.6	3.	1.0	26520.	-1.7	-5512.	-0.
411247	-0.04.	-0.04.	43200.	-0.	-731.	19270.	24.	442.	9.0	87.	-3.3	2.	-0.4	20910.	-2.0	-4914.	-9.
411248	-0.04.	-0.04.	16290.	-0.	-710.	-1770.	-12.	345.	-3.0	-19.	-3.4	-1.	-0.5	9412.	-2.2	-4207.	-12.
411249	-1.	15.	76450.	-0.	424.	21650.	36.	-175.	21.3	125.	-3.3	5.	1.4	50200.	-1.6	10070.	-0.
411250	-1.	25.	64420.	-0.	371.	20140.	22.	-135.	23.3	151.	-3.5	5.	1.0	56540.	-1.7	5245.	-7.
411251	1.	10.	64000.	-0.	527.	26020.	30.	412.	17.2	55.	-2.5	3.	0.8	36120.	3.5	6010.	-7.
411252	-1.	36.	60380.	-0.	-179.	23760.	26.	-165.	11.6	62.	-2.6	3.	0.9	29460.	2.9	8215.	14.
411253	-1.	30.	54790.	-0.	428.	27320.	32.	437.	15.4	81.	-3.1	4.	1.0	29210.	1.3	10630.	-7.
411254	2.	24.	62370.	-0.	446.	25290.	42.	-90.	15.3	45.	-1.7	5.	1.4	54650.	3.6	6357.	18.
411255	-0.04.	-0.04.	28770.	-0.	447.	16150.	23.	368.	6.3	43.	-2.6	-1.	0.6	21810.	-1.7	-3994.	-5.
411256	3.	30.	75570.	-0.	604.	37520.	111.	375.	19.5	115.	-2.3	5.	2.3	51260.	14.7	10060.	40.
411257	2.	25.	16830.	-0.	512.	56800.	250.	500.	15.6	158.	-2.1	9.	4.0	51120.	17.1	7493.	112.
411258	3.	9.	63540.	-0.	515.	44920.	144.	-134.	16.2	73.	-2.0	7.	2.2	71410.	20.9	-4754.	59.
411259	2.	26.	75860.	-0.	545.	29210.	60.	-128.	15.3	105.	-2.4	5.	1.6	73920.	6.6	-4541.	35.
411260	2.	29.	74630.	-0.	1061.	24230.	58.	-141.	18.0	120.	4.5	6.	1.4	71720.	4.7	11760.	32.
411261	2.	21.	60940.	-0.	444.	76670.	51.	-94.	17.4	112.	-1.7	3.	1.1	34990.	1.7	7724.	18.
411262	2.	22.	70250.	-0.	543.	24930.	51.	-105.	18.1	190.	3.4	-1.	1.2	41850.	5.2	10340.	20.
411263	2.	24.	67540.	-0.	574.	33750.	33.	-124.	24.0	201.	-2.0	4.	1.6	59100.	3.9	8756.	14.
411264	3.	33.	72870.	-0.	844.	19140.	40.	-135.	16.0	210.	-3.0	5.	1.3	41370.	4.3	12010.	17.
411265	2.	14.	67190.	-0.	1505.	5900.	110.	-93.	6.6	100.	7.7	7.	1.8	22800.	10.3	14750.	55.
411266	1.	30.	55420.	-0.	1466.	-1077.	60.	-119.	13.8	96.	-3.3	4.	1.4	20030.	4.6	13730.	17.
411267	1.	40.	72320.	-0.	1577.	7893.	80.	-114.	30.1	127.	-2.9	6.	1.7	31940.	5.3	22720.	42.
411300	1.	33.	64180.	-0.	1474.	7312.	75.	-149.	21.5	119.	5.2	7.	1.6	32560.	5.6	22090.	41.
411301	1.	6.	54140.	-0.	671.	35070.	48.	492.	13.4	64.	-3.2	3.	1.2	18570.	6.4	10110.	19.
411302	3.	25.	70070.	-0.	938.	26480.	92.	-106.	16.7	111.	-2.4	5.	1.5	35240.	7.0	21540.	35.
411303	-1.	9.	58070.	-0.	1037.	37420.	72.	162.	1.0	81.	-2.9	5.	1.3	55690.	3.6	14300.	31.
411304	-1.	6.	61590.	-0.	773.	27090.	39.	264.	9.0	68.	-2.5	3.	0.5	14300.	-1.5	10720.	-0.
411305	1.	7.	71590.	-0.	1567.	6592.	72.	-122.	33.5	79.	-3.6	8.	1.4	25760.	-2.0	14200.	42.
411306	2.	10.	71250.	-0.	1333.	7422.	78.	-93.	48.5	93.	-2.4	6.	1.4	27080.	9.1	19080.	40.
411307	1.	6.	89710.	-0.	1514.	-1167.	194.	-120.	22.0	125.	-4.4	9.	2.2	44000.	5.7	32450.	94.
411308	2.	6.	55370.	-0.	771.	-1032.	40.	-165.	7.7	59.	-2.5	5.	0.8	13800.	5.2	17960.	33.
411309	1.	4.	49130.	-0.	800.	-1455.	59.	351.	7.5	44.	-2.7	4.	-0.4	14040.	4.7	14250.	-21.
411310	4.	31.	82540.	-0.	1813.	12270.	143.	-114.	20.2	134.	11.0	5.	1.7	81500.	7.3	31940.	55.
411311	2.	14.	78520.	-0.	957.	6153.	66.	-122.	10.2	77.	-3.2	6.	1.6	27030.	7.8	26360.	-22.
411312	3.	25.	101000.	-0.	1243.	6491.	136.	-104.	16.0	105.	6.1	6.	1.8	44030.	7.3	35000.	72.
411313	2.	14.	79740.	-0.	1042.	11440.	115.	-116.	26.4	118.	6.0	6.	1.5	43020.	7.9	22870.	58.
411314	2.	8.	58150.	-0.	696.	-1247.	92.	213.	7.1	65.	-2.7	5.	0.9	18000.	9.3	16320.	63.
411315	-1.	27.	61960.	-0.	960.	15150.	73.	329.	12.3	93.	-2.4	5.	1.0	24620.	8.1	15590.	-24.
411316	1.	7.	44980.	-0.	842.	9105.	86.	769.	16.9	216.	3.7	6.	1.2	27820.	8.0	18670.	65.
411317	1.	24.	48320.	-0.	767.	16050.	60.	701.	14.0	133.	3.9	4.	0.8	19670.	4.7	15380.	-23.
411318	-1.	4.	48080.	-0.	443.	20680.	64.	717.	13.0	173.	-2.5	4.	0.8	18750.	5.1	13050.	-19.
411319	2.	4.	61330.	-0.	1166.	-1588.	110.	-123.	14.3	81.	-4.0	9.	1.4	26010.	5.3	26420.	-42.
411403	1.	16.	37220.	-0.	545.	14500.	44.	546.	11.6	52.	-3.0	3.	0.9	16580.	2.7	15530.	-8.
411404	-1.	4.	35100.	-0.	546.	8244.	45.	701.	8.2	50.	-2.9	3.	0.6	16180.	2.9	-4427.	-10.
411407	-1.	5.	42320.	-0.	619.	19270.	44.	-106.	11.6	57.	-2.8	4.	0.8	14930.	3.6	15370.	-8.

PT. HATES 14-1 SEDIMENTS

PG. THREE - SAMPLE

SAMPLE NO.	10 PPM	15 PPM	20 PPM	25 PPM	30 PPM	35 PPM	40 PPM	45 PPM	50 PPM	55 PPM	60 PPM	65 PPM	70 PPM	75 PPM	80 PPM	85 PPM	90 PPM	95 PPM	100 PPM
411241	2.4	17610.	272.	12020.	-65.	6.	22.3	3.4	-352.	-3.	-1.	3.0	5059.	250.	5.4	387.			1.202
411242	-1.1	14050.	203.	14370.	-61.	-4.	10.5	2.7	-366.	-2.	-1.	-1.7	5247.	200.	-2.6	173.			-999.000
411243	2.4	16750.	633.	17670.	-58.	-4.	30.5	-4.0	-355.	-2.	-1.	3.0	5761.	242.	3.7	-102.			1.432
411244	2.3	12450.	1163.	15230.	-47.	-3.	20.4	3.5	-351.	-2.	-1.	3.5	5765.	216.	8.0	-118.			1.751
411245	-1.1	11540.	521.	16420.	-41.	-3.	14.8	2.6	-275.	-2.	-1.	8.0	5801.	138.	-2.0	205.			2.028
411246	-1.7	6840.	569.	13820.	-54.	-4.	11.4	2.2	-302.	-3.	-1.	-1.6	31.0.	114.	-2.6	-84.			-999.000
411247	-2.7	10350.	415.	11610.	-62.	-4.	9.7	1.5	-414.	-3.	-1.	-2.2	3938.	88.	-3.1	-106.			-999.000
411248	-2.2	-2007.	140.	4414.	-72.	-5.	5.1	-1.2	-353.	-4.	-1.	-2.4	-842.	37.	-3.1	-92.			-999.000
411249	2.3	17750.	718.	17430.	-65.	-4.	21.5	3.6	-404.	-3.	-1.	2.9	5674.	203.	-2.9	230.			1.245
411250	2.7	14400.	580.	17480.	-62.	-5.	27.3	2.3	-357.	-2.	-1.	-2.0	6241.	249.	-3.0	101.			-999.000
411251	2.3	12200.	623.	15190.	-50.	-3.	12.5	2.7	-350.	-2.	-1.	-1.4	3215.	147.	-2.7	-35.			-999.000
411252	2.7	9457.	554.	17940.	-54.	-3.	14.3	3.2	-343.	-2.	-1.	2.6	3635.	115.	-2.3	-999.			1.069
411253	-2.2	9157.	507.	15630.	-59.	-4.	13.3	2.3	-408.	-2.	-1.	2.9	3309.	95.	-2.5	-84.			2.305
411254	2.4	11090.	900.	18090.	-33.	-2.	20.7	5.1	508.	-1.	1.	3.5	3991.	157.	3.6	213.			1.211
411255	-2.2	5225.	265.	7422.	-60.	-4.	7.5	1.6	-322.	-3.	-1.	-1.8	2167.	59.	-2.7	-110.			-999.000
411256	2.4	15150.	1173.	21250.	-42.	-3.	23.7	9.0	639.	-2.	-1.	4.2	7431.	181.	4.6	-50.			1.563
411257	2.6	10440.	1454.	20350.	-36.	-3.	32.3	18.3	472.	-2.	1.	9.0	6439.	176.	7.2	150.			1.520
411258	2.8	11400.	1747.	22680.	-39.	-3.	22.1	10.4	584.	2.	-1.	9.4	6508.	196.	6.7	-45.			2.143
411259	2.4	13550.	1133.	19730.	-40.	-3.	19.2	6.3	-366.	-2.	-1.	6.8	5650.	146.	4.7	-56.			2.288
411260	2.4	14120.	1153.	17390.	-62.	-4.	19.8	5.1	-447.	-2.	1.	6.2	5753.	186.	5.2	-91.			2.237
411261	2.3	11160.	804.	17980.	-32.	5.	19.2	3.4	-250.	-1.	-999.	2.5	4167.	128.	2.9	-40.			1.429
411262	2.5	12710.	978.	20760.	-31.	-2.	16.6	5.2	529.	-1.	-1.	6.6	5154.	146.	4.1	131.			2.232
411263	2.3	19380.	950.	21060.	-41.	5.	25.0	3.4	-277.	-1.	-1.	3.4	4646.	184.	2.7	121.			1.988
411264	2.3	13620.	736.	18890.	-55.	-4.	19.4	4.3	-382.	-2.	-1.	3.1	5586.	155.	4.3	169.			1.280
411265	2.5	10260.	402.	11600.	-37.	-3.	13.8	7.5	-250.	-1.	-1.	11.8	6139.	116.	4.6	140.			2.012
411266	-2.7	7050.	354.	6567.	-60.	-5.	12.3	6.1	-355.	-3.	-1.	11.5	2993.	114.	-3.2	-231.			2.101
411267	2.4	8590.	640.	6651.	-61.	-4.	14.3	6.5	-343.	-3.	-1.	15.2	4782.	126.	-2.4	325.			3.436
411268	2.3	8003.	640.	6265.	-65.	-4.	13.7	6.1	-398.	-2.	-1.	13.6	5132.	136.	-3.0	264.			2.890
411269	-2.7	6349.	456.	9701.	-69.	-4.	10.3	2.9	-417.	-2.	-1.	6.1	3332.	75.	-2.9	192.			2.649
411270	2.4	12770.	599.	16060.	129.	-3.	16.7	5.5	-240.	-1.	-1.	9.5	5097.	124.	4.9	102.			2.632
411271	2.7	5793.	309.	8842.	-62.	-4.	13.2	4.7	-280.	-2.	-1.	8.5	4549.	96.	-2.7	258.			2.688
411272	-1.1	4801.	207.	5970.	-55.	-3.	8.3	2.7	-326.	-3.	-1.	5.5	2833.	81.	-2.5	-79.			0.77
411273	2.5	7566.	492.	6681.	-74.	-5.	16.6	6.2	-386.	-3.	-1.	12.3	4689.	120.	-3.0	-76.			3.096
411274	2.4	5433.	407.	11920.	47.	-3.	15.3	5.3	-206.	-1.	-1.	13.0	5937.	114.	4.5	544.			4.184
411275	2.5	8684.	467.	6347.	155.	-6.	16.9	12.0	-321.	-3.	-2.	25.7	4053.	118.	-4.9	271.			4.717
411276	-2.7	6846.	300.	8704.	-51.	-4.	9.9	5.5	-254.	-2.	-1.	11.6	3289.	61.	-2.3	-83.			2.304
411277	-2.7	3910.	238.	7107.	-60.	-6.	8.4	3.2	-283.	-3.	-1.	8.3	2617.	56.	-3.7	-80.			3.003
411278	2.5	11640.	1604.	9157.	166.	6.	17.2	6.0	-355.	-2.	-1.	22.0	5440.	119.	5.9	210.			5.000
411279	-2.7	11210.	443.	11560.	-74.	-7.	11.6	4.5	-280.	-3.	-1.	8.9	5039.	112.	-4.0	-73.			1.908
411280	2.6	11300.	550.	11050.	155.	-6.	19.5	9.1	-307.	-2.	-1.	23.3	5291.	113.	-3.1	-133.			4.184
411281	2.4	9086.	483.	9134.	-68.	-9.	17.1	6.9	-321.	-2.	-1.	20.3	4063.	121.	4.4	247.			4.505
411282	2.4	6514.	289.	8385.	-55.	-7.	11.6	7.8	-264.	-2.	-1.	13.5	3800.	64.	-3.9	169.			3.788
411283	2.3	6625.	362.	8726.	-44.	-6.	11.6	7.6	-261.	-2.	-1.	14.3	3925.	65.	-3.4	214.			3.937
411284	2.4	6819.	325.	8737.	-52.	10.	12.4	10.6	-242.	-2.	-1.	15.6	3777.	79.	-3.2	261.			3.509
411285	2.5	4163.	284.	6766.	-55.	-6.	9.8	6.4	-297.	-2.	-1.	11.2	2601.	56.	-4.0	156.			3.546
411286	-2.7	-1022.	327.	6484.	-51.	-7.	9.6	4.3	-283.	-2.	-1.	11.0	2608.	63.	-3.8	200.			1.504
411287	-2.3	7515.	396.	5798.	-87.	-11.	12.7	11.0	-418.	-3.	-2.	19.1	4078.	78.	-6.1	-172.			5.405
411288	-2.7	6828.	487.	8155.	-56.	-4.	8.6	3.5	-413.	-3.	-1.	4.9	2539.	61.	4.1	-65.			2.331
411289	-2.7	4827.	317.	5279.	-51.	-4.	7.8	2.4	-325.	-3.	-1.	6.0	2334.	54.	-2.6	-116.			3.802
411290	-2.7	4865.	314.	7203.	-50.	-3.	9.3	3.1	-309.	-3.	-1.	4.9	3040.	56.	-2.5	239.			1.828

PERCENTAGE OF SEDIMENT

PC. ONE - SAMPLE 6

CALIF. NO.	DATE	TIME	PH	COND.	DEPTH	LOCATION	STICK	CHLORINE	CALCIUM	COPPER	NICKEL	NICKEL	LEAD	IRON	TUNGSTEN
						FT.	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
411408	03.0794	146.0023	7.	69.	-999.	2.53	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411413	03.0816	146.1251	9.	141.	-999.	3.01	-5.	-5.	-5.	52.	-20.	37.	11.	-10.	-15.
411414	03.0803	146.1707	9.	154.	-999.	3.39	-5.	-5.	-5.	38.	-20.	35.	13.	-10.	-15.
411415	03.0817	146.2292	8.	27.	-999.	3.66	-5.	-5.	-5.	41.	-20.	48.	9.	-10.	-15.
411416	03.0928	146.2536	8.	21.	-999.	3.47	-5.	-5.	-5.	48.	-20.	37.	12.	-10.	-15.
411417	03.0819	146.2718	8.	15.	-999.	3.69	-5.	-5.	-5.	55.	-20.	38.	11.	-10.	-15.
411418	03.0942	146.3439	8.	25.	-999.	3.29	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411419	03.0922	146.3797	7.	17.	-999.	2.45	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411421	03.0983	146.5069	7.	4.	-999.	3.15	-5.	-5.	-5.	11.	-20.	-15.	5.	-10.	-15.
411422	03.0831	146.5142	7.	3.	-999.	3.01	-5.	-5.	-5.	50.	-20.	36.	5.	-10.	-15.
411423	03.0950	146.5928	5.	3.	-999.	2.83	-5.	-5.	-5.	33.	-20.	15.	11.	-10.	-15.
411424	03.0983	146.7369	6.	1.	-999.	2.80	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411427	03.0969	146.6136	8.	4.	-999.	4.55	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411428	03.0825	146.6756	7.	4.	-999.	5.	-5.	-5.	-5.	16.	-10.	-15.	5.	-10.	-15.
411429	03.0654	146.9025	6.	4.	-999.	3.44	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411432	03.0458	146.9636	7.	18.	-999.	2.24	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411435	03.0506	146.8958	7.	18.	-999.	4.20	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411437	03.0917	146.9125	8.	15.	-999.	4.15	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411440	03.0800	146.9667	7.	13.	-999.	2.46	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411441	03.0936	146.9344	-999.	-999.	-999.	1.91	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411447	03.0967	146.6347	6.	6.	-999.	1.37	-5.	-5.	-5.	40.	-20.	18.	5.	-10.	-15.
411448	03.0225	146.7989	6.	8.	-999.	3.05	-5.	-5.	-5.	48.	-20.	24.	12.	-10.	-15.
411449	03.0075	146.7958	6.	7.	-999.	3.52	-5.	-5.	-5.	58.	-20.	26.	6.	-10.	-15.
411450	03.0808	146.7844	6.	8.	-999.	3.07	-5.	-5.	-5.	36.	-20.	16.	12.	-10.	-15.
411451	03.0554	146.8700	6.	8.	-999.	3.50	-5.	-5.	-5.	12.	-20.	-15.	15.	-10.	-15.
411452	03.0431	146.8075	6.	5.	-999.	1.72	-5.	-5.	-5.	33.	-20.	-15.	5.	-10.	-15.
411453	03.0456	146.7325	6.	5.	-999.	1.36	-5.	-5.	-5.	25.	-20.	23.	5.	-10.	-15.
411454	03.0617	146.7075	6.	7.	-999.	1.13	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411455	03.0586	146.6200	6.	5.	-999.	2.80	-5.	-5.	-5.	41.	-20.	22.	5.	-10.	-15.
411456	03.0653	146.5881	7.	10.	-999.	1.74	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411457	03.0856	146.6325	9.	61.	7.	2.31	-5.	-5.	-5.	40.	-20.	26.	6.	-10.	-15.
411458	03.0992	146.6261	7.	12.	-999.	.29	-5.	-5.	-5.	20.	-20.	46.	5.	-10.	-15.
411459	03.0875	146.7697	10.	8.	1.	1.36	-5.	-5.	-5.	25.	-20.	-15.	5.	-10.	-15.
411460	03.0022	146.7075	6.	8.	-999.	2.65	-5.	-5.	-5.	33.	-20.	33.	13.	-10.	-15.
411461	03.0101	146.7006	6.	4.	-999.	2.78	-5.	-5.	-5.	52.	-20.	37.	10.	-10.	-15.
411462	03.0363	146.7142	7.	11.	-999.	2.47	-5.	-5.	-5.	32.	-20.	-15.	5.	-10.	-15.
411463	03.0019	146.7147	7.	10.	-999.	3.57	-5.	-5.	-5.	35.	-20.	21.	7.	-10.	-15.
411464	03.0011	146.7211	7.	14.	14.	4.14	-5.	-5.	-5.	35.	-20.	34.	5.	-10.	-15.
411467	03.0392	146.6283	6.	12.	-999.	2.31	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411469	03.0981	146.5114	6.	12.	-999.	3.33	-5.	-5.	-5.	32.	-20.	26.	16.	-10.	-15.
411472	03.0344	146.5114	6.	9.	-999.	3.66	-5.	-5.	-5.	59.	-20.	40.	12.	-10.	-15.
411474	03.0506	146.4353	6.	6.	-999.	3.60	-5.	6.	-5.	55.	-20.	43.	14.	-10.	-15.
411475	03.0647	146.4308	6.	6.	-999.	3.03	-5.	-5.	-5.	69.	-20.	31.	5.	-10.	-15.
411476	03.0753	146.4369	6.	6.	-999.	3.43	-5.	-5.	-5.	61.	-20.	44.	8.	-10.	-15.
411477	03.0769	146.3919	6.	6.	-999.	2.55	-5.	-5.	-5.	35.	-20.	40.	5.	-10.	-15.
411480	03.0426	146.3642	6.	6.	-999.	2.75	-5.	-5.	-5.	42.	-20.	23.	6.	-10.	-15.
411481	03.0553	146.2375	6.	5.	-999.	2.22	-5.	-5.	-5.	66.	-20.	30.	8.	-10.	-15.
411482	03.0428	146.2111	5.	5.	-999.	2.44	-5.	-5.	-5.	44.	-20.	25.	10.	-10.	-15.
411483	03.0319	146.2525	6.	1.	-999.	2.51	-5.	-5.	-5.	42.	-20.	27.	5.	-10.	-15.
411484	03.0803	146.2467	6.	27.	-999.	2.14	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.

PT. HAYES LAKE SEDIMENTS

NO. TWO - SAMPLE

SAMPLE NO.	PI PPM	SI PPM	II PPM	III PPM	IV PPM	CV PPM	CS PPM	CU PPM	CR PPM	CS PPM	CV PPM	CU PPM	CR PPM	CS PPM	CV PPM	CU PPM	CR PPM
411401	1.	21.	27430.	-0.	669.	15740.	37.	243.	16.4	86.	-2.4	3.	-2.1	15610.	3.3	13890.	29.
411403	3.	24.	27450.	-0.	710.	20360.	75.	-102.	16.8	100.	-1.7	2.	1.5	28910.	6.1	18990.	37.
411404	3.	25.	27170.	-0.	714.	21130.	54.	-124.	15.2	103.	-2.1	2.	1.2	37200.	8.7	18000.	30.
411415	2.	26.	27030.	-0.	425.	15050.	50.	-116.	21.3	110.	-2.5	2.	1.3	20780.	7.2	19120.	30.
411416	3.	27.	25520.	-0.	744.	17450.	53.	-119.	16.6	114.	-2.7	2.	1.5	38843.	6.5	17970.	33.
411417	2.	28.	24550.	-0.	425.	16870.	25.	-107.	16.4	143.	-2.0	4.	1.3	32500.	5.2	17000.	29.
411418	-1.	28.	23515.	-0.	742.	14190.	57.	-141.	13.7	101.	-3.0	2.	1.0	23130.	5.8	15200.	33.
411419	1.	27.	27100.	-0.	724.	13670.	51.	270.	9.1	75.	-3.2	5.	1.4	23210.	3.0	14800.	29.
411421	2.	14.	27170.	-0.	447.	16460.	55.	-59.	10.5	100.	-1.5	5.	1.3	26900.	11.3	8609.	30.
411422	2.	14.	25060.	-0.	1183.	12510.	64.	-124.	15.9	111.	-2.6	7.	1.3	30000.	5.6	22500.	30.
411423	2.	14.	23570.	-0.	1086.	11740.	77.	-116.	10.1	103.	-2.9	5.	1.4	28000.	6.9	14700.	33.
411424	1.	30.	24570.	-0.	1324.	16540.	71.	-127.	38.1	73.	-3.0	2.	1.0	30770.	5.4	11220.	-0.
411427	-1.	5.	30420.	-0.	-453.	-3653.	50.	-312.	132.0	35.	-3.6	-6.	1.7	164000.	-1.9	-22100.	-0.
411428	1.	2.	14420.	-0.	241.	5514.	17.	254.	8.7	26.	-2.5	2.	1.4	221700.	-1.4	-2301.	9.
411429	-1.	21.	20230.	-0.	1020.	4446.	62.	185.	9.1	83.	-3.4	5.	1.9	24500.	5.2	10920.	21.
411433	-1.	13.	21050.	-0.	764.	6130.	51.	237.	-2.2	-16.	-2.9	5.	1.9	13840.	-1.8	6206.	21.
411435	1.	21.	20140.	-0.	1453.	10260.	54.	-40.	13.3	62.	3.4	5.	1.3	25700.	6.1	14330.	32.
411437	1.	21.	20530.	-0.	1357.	1424.	66.	393.	12.0	67.	6.8	7.	1.0	16090.	5.2	10900.	36.
411440	-1.	10.	25410.	-999.	1718.	-10480.	-945.	-576.	-999.0	-999.	-999.0	-8.	*****	-999.	999.0	-24170.	-999.
411441	-1.	10.	20930.	-0.	634.	-1349.	35.	250.	10.3	50.	-2.7	2.	1.2	25000.	-1.1	12100.	-9.
411442	-1.	2.	28000.	-0.	740.	6551.	36.	-70.	18.7	34.	-2.6	4.	1.0	150000.	-1.5	-3064.	19.
411448	-1.	32.	24310.	-0.	1370.	6060.	60.	-151.	17.4	95.	5.2	6.	1.7	33710.	5.2	19160.	27.
411449	2.	4.	17690.	-0.	1127.	11000.	75.	-125.	16.5	111.	-3.2	5.	1.6	26790.	5.0	15120.	35.
411450	3.	12.	28420.	-0.	1345.	9157.	61.	-99.	11.4	90.	-2.2	4.	1.4	49300.	5.6	16810.	33.
411451	2.	7.	42050.	-0.	1411.	4044.	75.	-125.	6.7	94.	2.9	6.	1.7	19510.	5.0	10480.	32.
411452	-1.	3.	34280.	-0.	677.	11140.	25.	195.	9.9	53.	-3.6	3.	1.0	27200.	4.1	-9001.	-16.
411453	-1.	7.	23740.	-0.	385.	6458.	30.	201.	13.0	37.	-3.0	3.	1.4	87430.	-1.9	-4322.	-11.
411454	-1.	7.	26340.	-0.	545.	-2120.	23.	-170.	11.5	83.	-3.2	2.	1.3	24160.	-2.0	-6935.	-7.
411455	-1.	17.	43670.	-0.	415.	-1590.	49.	-124.	12.7	58.	-2.6	4.	1.0	12120.	3.4	11700.	-12.
411456	1.	12.	29980.	-0.	733.	-1724.	55.	372.	-3.2	51.	-4.0	3.	1.6	21500.	4.4	-5225.	-17.
411457	3.	11.	40320.	-0.	1333.	12640.	70.	-67.	13.4	111.	3.9	4.	1.5	40950.	6.1	17110.	35.
411458	-1.	1.	6329.	-0.	-101.	4711.	-5.	364.	26.2	22.	-2.3	-1.	-1.3	23500.	-1.3	-4371.	-7.
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PG. ONE - SAMPLE

DATE	TIME	DEPTH	PH	CHL	SCAT.	ORP	TEMP	DIS	CALC	COPI	NICEL	NICEL	LEAD	IR	TOXIC
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411459	-1.	31.	50440.	-0.	622.	12470.	51.	-155.	11.7	60.	-2.4	5.	1.3	21120.	-1.6	11590.	-13.
411460	3.	22.	10950.	-0.	766.	14410.	90.	-127.	13.7	110.	-2.7	6.	1.2	31000.	7.9	15970.	35.
411461	2.	20.	19770.	-0.	801.	16360.	85.	-104.	14.8	99.	-2.2	5.	1.4	37710.	7.7	17190.	32.
411462	-1.	6.	33070.	-0.	539.	9444.	31.	550.	7.5	46.	-2.1	3.	.7	13260.	3.5	11710.	-10.
411463	-0.6.	-0.6.	55110.	-0.	636.	13430.	49.	234.	7.6	50.	-2.7	5.	-3.	17290.	4.1	13550.	-12.
411464	1.	20.	10360.	-0.	812.	14910.	54.	-120.	8.3	105.	-3.3	5.	1.1	21630.	5.3	16160.	-11.
411465	1.	5.	57070.	-0.	807.	12990.	50.	-124.	7.5	61.	-2.4	5.	1.0	15080.	6.6	11530.	20.
411466	1.	12.	62740.	-0.	803.	11790.	62.	-115.	8.5	96.	-2.6	5.	1.0	21590.	7.3	15910.	27.
411467	-1.	13.	30230.	-0.	325.	15230.	24.	354.	7.1	90.	-2.5	3.	.7	17690.	3.6	-3930.	-6.
411468	-1.	11.	40330.	-0.	492.	17110.	41.	400.	7.6	88.	-1.9	3.	.6	17350.	1.7	6909.	-4.
411469	-1.	10.	42550.	-0.	457.	16980.	19.	505.	9.7	112.	-3.1	4.	-4.	15800.	-1.9	-5357.	-6.
411470	-1.	12.	40570.	-0.	522.	14050.	33.	342.	15.3	106.	-3.1	4.	-4.	16850.	-1.9	-5651.	-10.
411471	-1.	7.	16260.	-0.	447.	-1651.	-8.	-119.	-2.5	58.	-3.1	-1.	-4.	63620.	-1.9	-4407.	-10.
411472	-1.	9.	57370.	-0.	-197.	21120.	-11.	-154.	24.1	1659.	-3.5	-2.	.5	29160.	-2.2	-5135.	-9.
411473	-1.	6.	24710.	-0.	-212.	12610.	19.	540.	13.5	71.	-2.7	3.	-3.	32680.	-1.7	-4071.	-7.
411474	-1.	19.	49740.	-0.	-219.	20760.	29.	472.	16.0	154.	-3.3	3.	.7	27510.	-1.6	10760.	-9.
411475	3.	22.	40610.	-0.	502.	48050.	29.	-128.	31.0	249.	-3.1	4.	1.0	68200.	2.7	9470.	12.
411476	4.	20.	102600.	-0.	1133.	-689.	121.	-30.	16.2	112.	4.9	6.	1.5	42200.	9.9	39110.	56.
411477	-1.	6.	50770.	-0.	440.	11830.	64.	240.	8.0	57.	-2.7	4.	1.3	24780.	-1.7	13080.	-7.
411478	3.	44.	112900.	-0.	1191.	3522.	157.	-105.	6.8	105.	3.5	6.	1.7	26820.	11.9	41640.	62.
411479	1.	7.	14240.	-0.	929.	22710.	65.	-120.	13.4	70.	-2.5	4.	1.6	26940.	5.9	15860.	29.
411480	3.	6.	192400.	-0.	1442.	7670.	124.	-114.	20.5	130.	-2.4	6.	1.6	44020.	11.2	39610.	59.
411481	1.	40.	120900.	-0.	1578.	7502.	174.	-130.	33.5	154.	-4.3	13.	2.2	69770.	6.4	50960.	86.
411482	1.	13.	19270.	-0.	729.	10470.	80.	215.	19.1	130.	-3.1	5.	1.3	30770.	7.1	10770.	37.
411483	3.	20.	47260.	-0.	730.	8422.	163.	-95.	16.7	129.	4.8	5.	1.4	37190.	9.0	29900.	47.
411484	2.	8.	51550.	-0.	540.	12620.	69.	-60.	8.2	131.	-1.2	4.	.9	22460.	11.0	10230.	31.
411485	2.	16.	61730.	-0.	647.	7702.	71.	-106.	9.2	81.	-1.7	4.	1.1	23520.	8.9	16390.	36.
411486	3.	9.	59830.	-0.	825.	6295.	102.	-97.	12.7	78.	-2.2	5.	1.4	23760.	14.9	25760.	42.
411487	2.	16.	72560.	-0.	653.	7676.	88.	-90.	10.9	102.	-2.1	4.	1.3	21100.	12.9	17800.	39.
411488	2.	13.	75450.	-0.	1086.	16290.	65.	126.	12.3	76.	-2.1	4.	1.3	23110.	0.1	21010.	37.
411489	-1.	16.	59880.	-0.	796.	9393.	73.	-132.	8.9	63.	-2.4	5.	1.1	18320.	7.6	19130.	24.
411490	2.	12.	62320.	-0.	760.	11100.	76.	-116.	13.2	77.	-3.3	4.	1.4	21400.	6.4	20220.	39.
411491	1.	22.	67390.	-0.	805.	13140.	70.	-118.	15.0	71.	-3.2	5.	1.1	22210.	-1.9	16780.	34.
411492	1.	17.	50350.	-0.	981.	11930.	53.	290.	15.2	58.	-2.8	4.	.9	20100.	-1.6	15680.	27.
411493	-1.	14.	20460.	-0.	609.	13080.	43.	-143.	10.3	63.	-2.6	4.	.7	16610.	4.5	12280.	-9.
411494	1.	29.	64500.	-0.	737.	11760.	60.	-92.	10.7	97.	-2.1	4.	1.0	22160.	9.8	18960.	31.
411495	2.	22.	61070.	-0.	885.	13670.	63.	-219.	13.8	80.	-2.5	4.	1.2	29080.	7.2	19490.	36.
411496	2.	6.	53650.	-0.	659.	12460.	62.	182.	8.9	68.	-2.5	4.	.7	16960.	4.3	12710.	37.
411497	-1.	19.	30520.	-0.	510.	12620.	46.	263.	13.6	41.	-3.0	3.	-4.	13430.	3.6	-5187.	-9.
411498	-1.	16.	51220.	-0.	744.	-1149.	49.	204.	6.3	46.	-2.9	4.	1.0	9550.	5.9	13810.	-9.
411499	1.	34.	70190.	-0.	1042.	6340.	98.	-122.	12.1	92.	-2.6	6.	1.7	21460.	9.0	23080.	40.
411500	2.	17.	81620.	-0.	1172.	-1059.	88.	-97.	9.6	101.	-3.7	5.	1.1	21200.	7.7	22630.	29.
411501	1.	37.	76410.	-0.	1941.	-1136.	81.	-116.	8.1	76.	3.9	7.	1.4	20000.	9.3	24110.	47.
411502	3.	9.	63950.	-0.	1218.	10460.	102.	-110.	12.1	73.	-1.9	7.	1.5	38380.	13.0	26660.	51.
411503	4.	46.	92340.	-0.	1274.	9117.	103.	-128.	20.0	116.	-2.7	7.	1.7	49770.	7.1	23530.	44.
411504	3.	10.	82600.	-0.	1029.	7249.	94.	-102.	15.3	62.	-2.5	5.	1.5	35140.	11.9	24620.	44.
411505	-1.	4.	44090.	-0.	750.	11340.	57.	-130.	8.2	55.	-2.8	3.	.5	14370.	5.5	15200.	-6.
411506	-1.	10.	51870.	-0.	730.	11830.	40.	-119.	6.3	62.	-2.6	4.	.9	16220.	5.5	13020.	20.

PT. HAYS LIME SEDIMENT.

PC. THREE - SAMPLE

SAMPLE NO.	10	PC	10	PC	10	PC	10	PC	10	PC	10	PC	10	PC	10	PC	10	PC
10	PC	10	PC	10	PC	10	PC	10	PC	10	PC	10	PC	10	PC	10	PC	10
411405	-2	4721.	472.	11455.	-70.	-5.	9.4	3.3	-233.	-3.	-1.	5.6	2514.	15.	-3.4	150.	2.091	
411406	-3	11486.	559.	11600.	-45.	-4.	12.0	3.6	-314.	-2.	-1.	7.3	4683.	103.	3.6	-110.	2.597	
411407	-5	6264.	378.	10240.	-65.	-5.	11.4	4.1	-343.	-2.	-1.	6.9	3325.	106.	-3.0	180.	2.510	
411408	-3	11110.	551.	15490.	-52.	-4.	15.3	5.5	-332.	-1.	-1.	6.9	5317.	125.	5.2	213.	2.808	
411409	-3	10050.	603.	15510.	-45.	-4.	15.3	6.0	-300.	-1.	-1.	9.6	5301.	109.	-2.1	-110.	2.564	
411410	-1	4669.	274.	5603.	-45.	-3.	7.4	2.7	-237.	-2.	-1.	5.8	2044.	56.	-2.2	-17.	1.190	
411411	-2	6961.	428.	10280.	-61.	-5.	10.4	2.9	-355.	-3.	-1.	7.6	4018.	73.	-2.9	288.	2.375	
411412	-5	8741.	344.	11430.	-66.	-5.	14.1	4.6	-335.	-2.	-1.	9.6	4611.	95.	-3.0	255.	3.610	
411413	-3	6154	334.	11540.	-48.	-4.	10.7	4.1	-316.	-2.	-1.	7.6	3725.	63.	3.6	-999.	1.205	
411500	-2	7875.	450.	11090.	-47.	-4.	13.4	4.3	-332.	-2.	-1.	11.5	4939.	102.	-2.6	-61.	3.953	
411501	-1	6575.	326.	10050.	-48.	-3.	13.0	2.5	-321.	-2.	-1.	-1.6	-767.	65.	-2.1	-70.	-999.000	
411502	-2	5502.	336.	4700.	-34.	-2.	10.6	3.6	-237.	-2.	-1.	3.1	1636.	65.	2.2	44.	3.612	
411503	-2	7287.	370.	10250.	-66.	-3.	6.7	-7.7	-331.	-3.	-1.	-1.8	1863.	77.	-2.3	-99.	-999.000	
411504	-2	8470.	420.	8984.	-50.	-4.	11.1	1.6	-454.	-3.	-1.	-1.9	2176.	102.	-2.6	-999.	-999.000	
411505	-2	5169.	357.	5144.	-84.	-4.	4.6	-7.6	-370.	-3.	-1.	-1.8	-849.	36.	-2.7	-91.	-999.000	
411507	-2	6720.	370.	7020.	-60.	-4.	13.5	1.7	-360.	-3.	-1.	-2.3	2016.	56.	-3.0	160.	-999.000	
411508	-1	6047.	444.	5713.	-61.	-3.	9.0	2.6	-401.	-3.	-1.	-1.7	2354.	65.	-2.3	-97.	-999.000	
411510	-2	4772.	544.	11090.	-70.	-4.	13.0	2.5	-415.	-2.	-1.	3.2	3131.	99.	-2.0	-96.	2.150	
411511	-4	25420.	1192.	14170.	-57.	-4.	34.0	3.1	-306.	-2.	-1.	2.4	4344.	229.	-2.4	-74.	1.964	
411517	-5	16110.	463.	10360.	704.	-3.	16.3	7.6	-252.	-1.	-1.	18.4	5375.	107.	4.7	170.	4.386	
411519	-2	4919.	432.	7737.	-54.	-3.	10.6	3.0	-337.	-2.	-1.	6.6	2345.	71.	-2.5	116.	2.841	
411520	-4	8714.	256.	15770.	134.	-3.	16.0	6.9	-265.	-2.	-1.	16.8	6802.	110.	4.8	80.	3.966	
411525	-2	9744.	357.	9721.	-46.	-3.	12.0	4.7	-271.	-2.	-1.	8.1	4136.	91.	-2.2	-49.	2.915	
411526	-4	12280.	867.	12690.	145.	-3.	19.8	7.3	-243.	-2.	-1.	16.1	4702.	122.	-1.9	-93.	3.571	
411539	-1	9406.	1247.	4960.	217.	-5.	24.2	11.6	-532.	-4.	-2.	31.3	6016.	153.	5.2	266.	4.902	
411541	-4	10610.	391.	10140.	-54.	-4.	16.1	7.6	-309.	-2.	-1.	13.9	3566.	96.	3.9	-199.	4.566	
411543	-4	7323.	596.	11940.	122.	-5.	15.6	6.9	-275.	-1.	-1.	14.6	5788.	94.	-1.8	168.	4.631	
411548	-4	5126.	394.	16930.	-24.	-2.	10.3	4.4	-174.	-1.	-1.	8.7	5574.	73.	3.4	-50.	2.825	
411549	-3	6370.	300.	13660.	-31.	-2.	11.3	4.6	-201.	-1.	-1.	6.4	4970.	80.	2.3	-169.	3.067	
411551	-5	6934.	321.	12050.	107.	-3.	12.9	5.3	-244.	-1.	-1.	13.2	5423.	80.	3.3	65.	4.000	
411552	-4	8261.	346.	11260.	80.	-3.	14.7	5.9	-236.	-1.	-1.	13.7	6466.	87.	5.0	-49.	4.082	
411553	-3	9920.	330.	10450.	124.	-3.	13.9	4.9	-226.	-2.	-1.	10.0	4813.	106.	-2.2	166.	3.460	
411555	-1	6749.	323.	9775.	87.	-3.	11.2	4.7	-264.	-2.	-1.	9.4	4364.	91.	5.0	-107.	3.472	
411556	-3	6155.	323.	7637.	-64.	-4.	13.6	5.7	-323.	-2.	-1.	13.7	3909.	83.	4.1	-153.	5.025	
411557	-2	7998.	366.	8637.	-60.	-4.	14.2	4.5	-327.	-2.	-1.	12.4	3420.	103.	-2.7	-82.	3.559	
411558	-4	8392.	306.	7232.	-56.	-4.	11.3	5.7	-314.	-3.	-1.	6.7	2677.	83.	-2.3	161.	2.755	
411559	-2	6042.	243.	6937.	-56.	-3.	9.6	3.7	-312.	-2.	-1.	7.9	2501.	72.	-2.2	109.	3.300	
411560	-3	7261.	413.	12510.	107.	-3.	13.2	3.3	-259.	-2.	-1.	6.1	4433.	67.	-2.0	116.	3.205	
411561	-3	9094.	477.	11340.	-47.	-3.	15.5	5.1	-312.	-1.	-1.	14.0	5145.	109.	-2.2	133.	4.255	
411562	-2	4626.	290.	7727.	-40.	-3.	11.1	4.2	-265.	-2.	-1.	8.7	3246.	84.	5.2	266.	3.650	
411563	-1	4910.	411.	4903.	-64.	-4.	8.4	4.2	-357.	-3.	-1.	7.4	2238.	55.	-2.6	207.	3.597	
411564	-2	1697.	162.	5659.	-55.	-4.	10.6	4.9	-267.	-2.	-1.	9.4	3556.	52.	-2.9	-193.	3.691	
411565	-4	7486.	338.	8709.	-56.	-3.	14.4	6.2	-281.	-2.	-1.	16.7	5219.	96.	3.3	-162.	4.405	
411571	-5	5584.	255.	6224.	-65.	-5.	17.0	6.1	-244.	-3.	-1.	12.6	4621.	117.	-3.6	-90.	3.367	
411572	-3	5531.	276.	8167.	95.	-3.	13.6	5.4	-260.	-2.	-1.	13.1	4423.	89.	-2.0	-52.	3.509	
411578	-5	7282.	602.	15120.	105.	-2.	16.6	7.3	-271.	-2.	-1.	17.5	5161.	80.	5.5	-38.	4.444	
411581	-4	10960.	857.	4749.	115.	-3.	16.3	7.6	-345.	-2.	-1.	19.8	5133.	149.	-2.4	-73.	3.717	
411589	-3	6754.	622.	11110.	92.	-3.	12.1	6.5	-304.	-2.	-1.	12.8	5294.	99.	3.7	-75.	3.448	
411590	-2	4700.	319.	7591.	-57.	-4.	4.1	3.6	-324.	-3.	-1.	6.1	3113.	63.	-2.6	321.	3.145	
411591	-1	4524.	405.	7696.	-51.	-3.	4.6	3.2	-245.	-3.	-1.	7.2	3228.	66.	-2.3	-149.	3.425	

RECORDS 1941-1972

PG. ONE - SAMPLE

SAMPLE NO.	LAB.	TIME.	PH	COND.	SCINT.	LOCATION	SILVER	LEAD	CADMIUM	COPPER	NICKEL	CHROMIUM	IRON	COBALT	PERMANENT
						PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
411001	63.9967	145.4407	7.	14.	-999.	1.57	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411002	63.9967	145.7203	7.	42.	-999.	2.25	-5.	-5.	-5.	31.	-20.	-15.	-5.	-10.	-15.
411003	63.9967	145.7203	7.	118.	-999.	5.84	-5.	-5.	-5.	23.	-20.	-15.	-5.	-10.	-15.
411004	63.9967	145.7203	8.	134.	-999.	4.25	-5.	-5.	-5.	40.	-20.	-15.	-5.	-10.	-15.
411005	63.9967	145.7203	8.	120.	-999.	14.44	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
411006	63.9967	145.7203	8.	27.	-999.	7.75	-5.	-5.	-5.	20.	-20.	-15.	-5.	-10.	-15.
411007	63.9967	145.7203	7.	30.	-999.	1.43	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411008	63.9967	145.7203	7.	154.	-999.	2.83	-5.	-5.	-5.	70.	-20.	29.	-5.	-10.	-15.
411009	63.9967	145.7203	7.	200.	-999.	2.21	-5.	-5.	-5.	50.	-20.	31.	-5.	-10.	-15.
411010	63.9967	145.7203	7.	165.	-999.	2.52	-5.	-5.	-5.	74.	-20.	38.	15.	-10.	-15.
411011	63.9967	145.7203	7.	12.	-999.	4.91	-5.	-5.	-5.	31.	-20.	-15.	12.	-10.	-15.
411012	63.9967	145.7203	7.	5.	-999.	4.22	-5.	-5.	-5.	33.	-20.	31.	7.	-10.	-15.
411013	63.9967	145.7203	7.	8.	-999.	5.05	-5.	-5.	-5.	31.	-20.	23.	11.	-10.	-15.
411014	63.9967	145.7203	7.	20.	-999.	5.32	-5.	-5.	-5.	24.	-20.	22.	12.	-10.	-15.
411015	63.9967	145.7203	7.	22.	-999.	5.50	-5.	-5.	-5.	30.	-20.	29.	11.	-10.	-15.
411016	63.9967	145.7203	6.	33.	-999.	5.19	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411017	63.9967	145.7203	6.	25.	-999.	5.43	-5.	-5.	-5.	42.	-20.	18.	12.	-10.	-15.
411018	63.9967	145.7203	6.	9.	-999.	5.08	-5.	-5.	-5.	33.	-20.	29.	8.	-10.	-15.
411019	63.9967	145.7203	7.	37.	-999.	5.31	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411020	63.9967	145.7203	7.	14.	-999.	3.34	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411021	63.9967	145.7203	6.	29.	-999.	6.49	-5.	-5.	-5.	64.	-20.	34.	8.	-10.	-15.
411022	63.9967	145.7203	6.	13.	-999.	4.59	-5.	-5.	-5.	50.	-20.	35.	16.	-10.	-15.
411023	63.9967	145.7203	6.	21.	-999.	4.57	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411024	63.9967	145.7203	8.	114.	-999.	12.53	-5.	-5.	-5.	56.	-20.	30.	13.	-10.	-15.
411025	63.9967	145.7203	8.	66.	-999.	7.92	-5.	-5.	-5.	34.	-20.	27.	8.	-10.	-15.
411026	63.9967	145.7203	9.	124.	-999.	7.75	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411027	63.9967	145.7203	7.	43.	-999.	2.84	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411028	63.9967	145.7203	8.	30.	-999.	6.03	-5.	-5.	-5.	36.	-20.	28.	6.	-10.	-15.
411029	63.9967	145.7203	7.	200.	-999.	2.67	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411030	63.9967	145.7203	6.	9.	-999.	1.61	-5.	-5.	-5.	44.	-20.	17.	-5.	-10.	-15.
411031	63.9967	145.7203	7.	19.	-999.	3.03	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411032	63.9967	145.7203	7.	14.	-999.	1.70	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411033	63.9967	145.7203	7.	14.	-999.	1.66	-5.	-5.	-5.	19.	-20.	-15.	6.	-10.	-15.
411034	63.9967	145.7203	8.	11.	-999.	3.23	-5.	-5.	-5.	40.	-20.	27.	9.	-10.	-15.
411035	63.9967	145.7203	8.	7.	-999.	3.10	-5.	-5.	-5.	30.	-20.	24.	-5.	-10.	-15.
411036	63.9967	145.7203	8.	51.	-999.	3.56	-5.	-5.	-5.	49.	-20.	18.	12.	-10.	-15.
411037	63.9967	145.7203	8.	51.	-999.	3.07	-5.	-5.	-5.	36.	-20.	19.	13.	-10.	-15.
411038	63.9967	145.7203	8.	2.	-999.	3.39	-5.	-5.	-5.	32.	-20.	29.	10.	-10.	-15.
411039	63.9967	145.7203	8.	50.	-999.	3.16	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411040	63.9967	145.7203	8.	3.	-999.	2.36	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411041	63.9967	145.7203	8.	7.	-999.	2.89	-5.	-5.	-5.	30.	-20.	-15.	9.	-10.	-15.
411042	63.9967	145.7203	7.	10.	-999.	2.76	-5.	-5.	-5.	57.	-20.	30.	5.	-10.	-15.
411043	63.9967	145.7203	8.	191.	-999.	12.34	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411044	63.9967	145.7203	8.	41.	-999.	7.53	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411045	63.9967	145.7203	8.	226.	-999.	2.73	-5.	-5.	-5.	40.	-20.	40.	12.	-10.	-15.
411046	63.9967	145.7203	8.	16.	-999.	2.63	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411047	63.9967	145.7203	8.	32.	-999.	5.52	-5.	-5.	-5.	25.	-20.	-15.	9.	-10.	-15.
411048	63.9967	145.7203	7.	35.	-999.	1.61	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411049	63.9967	145.7203	8.	5.	-999.	6.87	-5.	-5.	-5.	18.	-20.	-15.	8.	-10.	-15.
411050	63.9967	145.7203	8.	152.	-999.	3.80	-5.	-5.	-5.	31.	-20.	620.	9.	-10.	-15.

PT. HATES LAKE SEDIMENTS

PG. 100 - SAMPLE

SAMPLE NO.	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
NO.	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
411500	-1.	17.	31000.	-0.	-174.	12520.	38.	-148.	-2.4	89.	-2.9	4.	3	19150.	5.8	13000.	-11.	
411501	2.	7.	65900.	-0.	729.	14550.	80.	-135.	15.1	78.	-2.9	4.	1.1	28990.	5.8	10970.	22.	
411502	-1.	22.	39400.	-0.	637.	21510.	41.	-117.	8.8	125.	-2.4	5.	5	22400.	3.4	15640.	18.	
411503	1.	20.	27750.	-0.	570.	20510.	44.	-110.	11.0	147.	-1.9	5.	1.1	36660.	6.4	11250.	21.	
411504	-1.	5.	37050.	-0.	654.	21220.	59.	-138.	7.5	144.	-2.4	5.	1.2	19330.	3.7	8997.	-9.	
411505	-1.	7.	26250.	-0.	-600.	12850.	-4.	-207.	10.0	42.	-2.9	-3.	5	16300.	-1.8	-13770.	-9.	
411506	-1.	7.	37300.	-0.	-744.	14760.	22.	-220.	10.3	47.	-2.0	3.	7	15040.	5.0	-6164.	-10.	
411507	4.	31.	60400.	-0.	1017.	40390.	51.	-140.	19.7	98.	-2.3	4.	1.4	47670.	5.1	17600.	29.	
411508	-1.	38.	73000.	-0.	716.	31410.	52.	-143.	17.9	88.	-2.1	5.	1.1	46970.	5.7	18110.	31.	
411509	-1.	43.	81570.	-0.	1043.	29040.	52.	-130.	21.3	101.	-2.7	5.	1.2	50170.	6.3	20050.	29.	
411510	3.	29.	77500.	-0.	824.	13550.	77.	-115.	18.6	84.	-2.4	5.	1.1	37500.	6.9	14350.	47.	
411511	3.	30.	73470.	-0.	711.	22050.	71.	-112.	12.7	82.	-1.8	5.	1.1	30480.	7.5	17760.	35.	
411512	2.	35.	60500.	-0.	700.	17060.	75.	-139.	10.2	87.	-2.3	7.	1.3	33640.	6.0	19580.	42.	
411513	3.	31.	77200.	-0.	812.	16160.	93.	-115.	14.7	51.	5.0	6.	1.2	35150.	8.5	14270.	42.	
411514	1.	44.	77070.	-0.	888.	16440.	85.	-124.	20.0	82.	-2.7	6.	1.4	30500.	5.9	17340.	39.	
411515	1.	29.	64400.	-0.	639.	14700.	69.	-130.	10.4	78.	-2.4	5.	1.0	21650.	4.4	14480.	32.	
411516	4.	31.	77800.	-0.	451.	18310.	77.	-142.	16.1	88.	-2.4	7.	1.4	33730.	6.6	10730.	40.	
411517	1.	35.	66100.	-0.	940.	13740.	88.	-123.	12.4	67.	-2.9	5.	9	30550.	5.4	17350.	40.	
411518	999.	999.	61980.	-0.	551.	11210.	80.	-110.	13.0	75.	-2.9	5.	1.2	27250.	3.9	13310.	31.	
411519	1.	25.	60080.	-0.	601.	14070.	44.	-130.	11.3	60.	-2.5	4.	8	20800.	4.4	16670.	26.	
411520	1.	48.	60670.	-0.	916.	17090.	85.	-135.	15.6	102.	-2.5	6.	1.3	36420.	5.9	16840.	45.	
411521	1.	35.	70140.	-0.	620.	16100.	69.	-132.	17.3	80.	-3.1	5.	1.2	31200.	5.3	13970.	29.	
411522	-1.	29.	71300.	-0.	610.	14240.	50.	-113.	14.4	81.	-2.4	5.	1.1	30880.	6.0	14480.	37.	
411523	1.	35.	69490.	-0.	803.	20250.	50.	-148.	14.2	70.	-2.9	7.	1.5	37300.	4.1	12700.	41.	
411524	3.	19.	68530.	-0.	610.	24070.	69.	-128.	20.4	52.	-2.0	4.	1.4	37250.	5.4	12190.	26.	
411525	-1.	33.	69570.	-0.	710.	20720.	74.	-113.	16.1	82.	-2.4	5.	1.2	34880.	4.6	11390.	30.	
411526	-1.	27.	62470.	-0.	708.	25380.	43.	-210.	15.7	131.	-2.0	3.	9	24390.	4.1	10590.	20.	
411527	3.	30.	71970.	-0.	900.	21380.	56.	-140.	18.7	122.	-2.6	5.	1.2	31060.	4.3	16140.	22.	
411528	-1.	40.	81300.	-0.	1032.	22370.	61.	-159.	21.5	80.	-3.8	4.	1.4	58220.	4.0	20300.	-13.	
411529	1.	8.	33950.	-0.	442.	17110.	33.	-205.	7.3	49.	-2.4	3.	7	13600.	-1.5	9242.	19.	
411530	-1.	10.	47730.	-0.	758.	17620.	54.	-262.	7.8	51.	-2.5	6.	5	14070.	4.0	13470.	-12.	
411531	-1.	3.	34370.	-0.	400.	21770.	35.	-113.	7.3	51.	-2.8	3.	5	15340.	-1.7	-3803.	-12.	
411532	2.	8.	38430.	-0.	373.	10050.	35.	-76.	3.7	39.	-1.3	3.	7	11820.	6.1	9421.	21.	
411533	-1.	20.	62980.	-0.	1060.	19230.	67.	-132.	11.3	77.	-1.9	5.	1.1	25080.	7.9	12410.	35.	
411534	3.	10.	60820.	-0.	910.	14000.	89.	-112.	8.9	81.	-2.0	8.	1.5	25370.	9.2	18850.	35.	
411535	3.	28.	91860.	-0.	1209.	15540.	84.	-109.	16.6	114.	-2.2	6.	1.4	40350.	7.3	23410.	40.	
411536	3.	18.	60700.	-0.	908.	14670.	101.	-200.	11.4	98.	-2.8	5.	1.3	40560.	8.2	21460.	46.	
411537	3.	28.	75090.	-0.	1060.	12010.	90.	-100.	12.7	86.	-2.2	6.	1.3	34470.	6.9	22550.	41.	
411538	-1.	10.	63400.	-0.	1000.	15140.	80.	-135.	15.3	77.	-2.7	4.	1.5	37920.	6.0	17110.	28.	
411539	1.	34.	88820.	-0.	803.	15440.	63.	-114.	7.7	70.	-2.8	5.	1.1	18990.	6.4	13450.	35.	
411540	2.	23.	60050.	-0.	745.	13730.	56.	-107.	7.9	73.	-2.2	5.	1.1	21120.	7.2	15320.	-7.	
411541	-1.	13.	51650.	-0.	802.	15730.	61.	-117.	8.8	70.	-2.2	4.	5	17900.	5.7	12380.	37.	
411542	2.	35.	75640.	-0.	1040.	20200.	103.	-150.	10.7	52.	9.1	7.	1.2	35190.	3.0	20250.	45.	
411543	-1.	9.	35200.	-0.	400.	15240.	45.	-124.	9.8	52.	-3.6	3.	7	12860.	-2.3	-4463.	-10.	
411544	3.	19.	77920.	-0.	1290.	20840.	42.	-136.	19.1	88.	-2.4	4.	1.2	35100.	4.0	15810.	21.	
411545	-1.	21.	61120.	-0.	732.	22610.	37.	-170.	10.5	85.	-3.1	4.	7	21410.	4.7	11070.	26.	
411546	4.	32.	70450.	-0.	929.	20760.	71.	-128.	7.0	43.	4.9	5.	1.2	25910.	8.3	21010.	37.	
411547	-1.	1.	14340.	-0.	-207.	-2384.	23.	439.	-2.9	-19.	-3.3	-2.	5	6873.	-2.2	-3906.	-21.	
411548	3.	12.	69170.	-0.	1080.	16350.	72.	-127.	11.3	61.	2.6	5.	1.2	30900.	6.2	16480.	35.	
411549	3.	10.	71590.	-0.	889.	25220.	65.	-122.	16.9	115.	-2.6	4.	1.2	42580.	6.2	10750.	29.	

SAMPLE NO.	TO PPM	FE PPM	NI PPM	BA PPM	PE PPM	CB PPM	SC PPM	SP PPM	SE PPM	TA PPM	TS PPM	TH PPM	TI PPM	V PPM	TE PPM	ZB PPM	U/ZH RATIO
411592	2	5492	476	7225	-55	-4	7.0	2.4	-331	-3	-1	6.1	2912	62	-2.7	-124	3.774
411593	5	1000	150	13190	-50	-4	14.3	5.2	-340	-2	-1	7.1	4768	107	-2.3	231	3.155
411594	3	9100	309	13300	-45	-3	11.5	3.3	-295	-1	-1	5.4	4358	86	3.5	-123	2.925
411595	2	11340	562	17170	-38	-2	13.2	3.0	-255	-1	-1	5.9	5708	146	5.0	217	1.172
411596	5	6600	210	7579	-53	-7	8.6	4.1	-250	-3	-1	4.0	2537	87	-2.1	-116	2.277
411597	2	5216	4552	4007	-57	-4	5.0	2.2	-999	-3	-1	4.7	-2722	-28	-2.0	363	6.250
411598	-1	7650	1235	7733	-47	-3	7.1	-5	-455	-2	-1	3.9	2561	52	-2.3	127	2.725
411601	3	18780	1695	17360	-50	-4	17.6	5.1	-340	-1	-1	6.9	4153	150	-2.5	-130	2.625
411602	3	12090	902	19310	-45	-4	17.3	4.4	-329	-1	-1	5.9	4429	128	3.9	123	2.667
411603	4	17190	837	18320	124	-5	19.5	4.5	-373	-1	-1	8.5	4993	146	3.5	220	3.374
411604	3	6773	567	15730	-45	-4	16.9	4.9	-309	-1	-1	11.1	4070	120	-2.5	-55	2.262
411607	4	9318	603	19010	-37	-3	15.5	5.2	-240	-1	-1	10.3	4764	112	3.5	-102	2.439
411608	4	8600	508	17970	72	-4	16.7	6.6	-295	-2	-1	12.6	4979	113	-2.1	104	2.494
411609	3	8630	505	17840	99	-4	17.9	5.0	305	-1	-1	13.1	4687	112	4.3	-125	2.500
411610	4	19440	544	15970	-53	-5	18.0	5.8	-328	-1	-1	12.8	4804	121	3.8	135	2.326
411611	3	7249	436	12240	-51	-4	11.2	4.4	-294	-2	-1	9.8	3754	96	-3.0	-150	1.887
411612	4	10030	547	16420	-51	-4	17.1	7.3	-305	-2	-1	12.8	4641	126	4.9	139	2.370
411613	3	9031	556	13310	99	-5	14.9	6.2	-355	-2	-1	11.0	4123	99	-2.8	159	2.165
411615	3	6669	420	11610	-54	-5	14.8	5.0	-319	-2	-1	11.8	3657	98	-2.7	252	2.222
411616	-1	9094	395	11050	-48	-4	12.4	3.8	-290	-2	-1	9.7	3232	76	-2.0	130	2.907
411617	4	10250	518	14860	-53	-4	18.7	6.8	-208	-1	-1	12.3	5078	135	5.0	165	1.894
411618	-2	10530	449	12820	-58	-5	15.8	4.4	-351	-2	-1	9.9	3659	117	-3.2	217	2.155
411619	4	9082	451	15210	-47	-4	15.7	4.3	-293	-2	-1	10.5	4726	115	-2.3	-51	2.286
411620	4	7533	587	12570	-61	-5	17.0	6.3	-348	-2	-1	11.4	3977	129	-3.0	-74	2.889
411629	4	12150	676	17080	-51	-4	17.0	4.9	-343	-1	-1	8.8	4718	131	-3.0	158	1.111
411630	3	10400	599	16820	-45	-4	17.5	4.9	-310	-1	-1	8.6	4966	127	-3.1	-133	1.110
411632	2	10090	442	17260	-44	-3	16.6	2.9	-250	-2	-1	5.5	4672	114	-2.2	114	1.938
411633	3	12700	643	15970	-52	-4	17.5	5.4	392	-1	-1	10.6	4807	123	-2.7	-161	1.600
411634	4	16390	1633	10940	-71	-7	20.0	3.6	-602	-3	-1	10.3	4421	169	-4.5	-80	3.861
411637	-1	5709	266	7184	-40	-3	7.4	2.7	-269	-2	-1	7.2	2809	52	-2.0	177	4.425
411639	2	6395	249	10210	-56	-4	10.5	3.5	-285	-2	-1	6.8	4343	76	-2.7	-190	2.268
411640	-2	5329	219	7361	-57	-5	7.9	3.8	-301	-2	-1	5.9	2866	56	-3.1	-102	3.472
411641	2	3667	271	13820	-24	-2	7.8	2.5	-187	-1	-999	4.8	3122	45	-1.7	-85	2.890
411642	3	9519	381	16150	77	-3	14.0	5.0	-226	-2	-1	9.2	5389	100	6.6	81	2.849
411643	4	9579	390	14300	-39	-3	15.2	7.4	-228	-1	-1	9.0	6535	118	4.2	113	2.907
411655	3	12090	544	14890	-41	-3	19.1	6.2	-238	-2	-1	12.7	5874	157	4.8	145	3.571
411655	4	10050	422	14810	91	-5	17.8	6.1	-304	-1	-1	12.6	5840	134	-3.6	-102	4.098
411676	4	10570	431	12680	99	-4	15.7	6.0	-237	-2	-1	11.2	5309	114	-2.1	152	3.300
411679	3	12070	446	10230	-61	-5	14.7	6.8	-308	-2	-1	10.9	4448	102	4.6	-999	3.425
411681	4	6423	279	10850	-55	-5	11.6	4.3	-302	-2	-1	7.9	4416	82	-3.0	-141	3.322
411682	2	7752	330	14590	-39	-4	13.5	5.5	-260	-1	-1	9.4	4974	98	3.1	-163	3.257
411685	2	7308	290	11480	-45	-4	11.6	3.7	-242	-2	-1	8.6	4070	77	-2.5	161	3.115
411685	3	9284	642	14170	134	-4	12.0	6.6	-333	-2	-1	24.6	3463	81	5.4	155	1.992
411688	-2	4150	224	4900	-78	-6	9.0	3.3	-337	-3	-1	9.2	1703	54	-4.0	249	1.222
411689	2	12050	725	17570	-46	-4	16.9	4.1	-309	-2	-1	6.9	4659	158	-2.4	112	2.525
411690	-2	6923	356	12990	-66	-5	12.6	3.5	-364	-3	-1	4.7	4163	101	-3.3	157	1.786
411691	4	7115	554	20280	-44	-4	11.1	6.0	-319	-2	-1	18.2	2292	63	5.3	-44	3.300
411692	-2	-1086	164	2263	-66	-5	3.8	-1.7	-327	-3	-1	4.5	-830	25	-3.7	248	2.488
411693	3	10180	665	15740	73	-3	13.5	5.0	-281	-2	-1	12.1	4237	95	4.4	57	1.761
411702	4	11320	643	18980	-51	-3	18.9	5.5	-324	-1	-1	8.6	4694	130	-2.1	-12	2.227

PLATES 1401-1410

FG. ONE - SAMPLE 9

SAMPLE NO.	DATE	TIME	PH	COND.	SCPH.	DETERMINATION PPM	STEEL PPM	ALUMINUM PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	IRON PPM	LEAD PPM	ZINC PPM	MANGANESE PPM
411705	03.7753	144.5271	8.	138.	-999.	6.19	-5.	-5.	-5.	47.	-20.	52.	11.	-10.	-15.
411706	03.7753	144.5271	8.	120.	-999.	44.35	-5.	-5.	-5.	35.	-20.	31.	6.	-10.	-15.
411708	03.7753	144.5231	9.	180.	-999.	5.52	-5.	-5.	-5.	37.	-20.	22.	6.	-10.	-15.
411710	03.7753	144.6933	9.	140.	-999.	6.14	-5.	-5.	-5.	31.	-20.	17.	8.	-10.	-15.
411712	03.7753	144.6236	8.	370.	-999.	21.22	-5.	-5.	-5.	54.	-20.	35.	-5.	-10.	-15.
411713	03.7753	144.7042	9.	98.	-999.	3.55	-5.	-5.	-5.	63.	-20.	37.	30.	-10.	-15.
411716	03.7753	144.5704	10.	145.	-999.	3.05	-5.	-5.	-5.	39.	-20.	22.	-5.	-10.	-15.
411717	03.7753	144.7091	9.	45.	-999.	3.55	-5.	-5.	-5.	20.	-20.	-15.	7.	-10.	-15.
411721	03.7753	145.4126	7.	120.	-999.	2.85	-5.	-5.	-5.	62.	-20.	30.	8.	-10.	-15.
411722	03.7753	145.3906	8.	31.	-999.	2.11	-5.	-5.	-5.	49.	-20.	14.	6.	-10.	-15.
411723	03.7753	145.3224	7.	52.	-999.	3.25	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411724	03.7753	145.1442	8.	109.	-999.	10.27	-5.	-5.	-5.	32.	-20.	10.	6.	-10.	-15.
411726	03.7753	145.4622	7.	42.	-999.	1.50	-5.	-5.	-5.	33.	-20.	19.	-5.	-10.	-15.
411727	03.7753	145.6206	7.	27.	-999.	3.03	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411728	03.7753	145.6742	7.	30.	-999.	2.85	-5.	-5.	-5.	43.	-20.	31.	12.	-10.	-15.
411729	03.7753	145.6589	6.	31.	-999.	1.92	-5.	-5.	-5.	39.	-20.	25.	-5.	-10.	-15.
411730	03.7753	145.6317	6.	44.	-999.	1.42	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411732	03.7753	145.6521	7.	30.	-999.	2.50	-5.	-5.	-5.	69.	-20.	21.	8.	-10.	-15.
411733	03.7753	145.6617	7.	40.	-999.	2.81	-5.	-5.	-5.	42.	-20.	21.	8.	-10.	-15.
411734	03.7753	145.6131	7.	40.	-999.	1.96	-5.	-5.	-5.	39.	-20.	16.	6.	-10.	-15.
411735	03.7753	145.4603	7.	24.	-999.	2.01	-5.	-5.	-5.	40.	-20.	18.	7.	-10.	-15.
411736	03.7753	145.4956	7.	43.	-999.	4.01	-5.	-5.	-5.	61.	-20.	130.	9.	-10.	-15.
411737	03.7753	145.0644	7.	52.	-999.	3.80	-5.	-5.	-5.	51.	-20.	42.	12.	-10.	-15.
411738	03.7753	145.1006	7.	19.	-999.	2.86	-5.	-5.	-5.	45.	-20.	22.	13.	-10.	-15.
411739	03.7753	145.1547	7.	22.	-999.	3.50	-5.	-5.	-5.	26.	-20.	33.	12.	-10.	-15.
411740	03.7753	145.2053	7.	17.	-999.	3.37	-5.	-5.	-5.	38.	-20.	35.	20.	-10.	-15.
411742	03.7753	145.2703	7.	20.	-999.	2.22	-5.	-5.	-5.	62.	-20.	21.	40.	-10.	-15.
411743	03.7753	145.2822	7.	31.	-999.	3.34	-5.	-5.	-5.	51.	-20.	39.	12.	-10.	-15.
411745	03.7753	145.1671	7.	26.	-999.	2.90	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411747	03.7753	145.0730	7.	30.	-999.	3.44	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411749	03.7753	145.4494	7.	31.	-999.	4.37	-5.	-5.	-5.	64.	-20.	45.	12.	-10.	-15.
411752	03.7753	145.0069	7.	34.	-999.	2.69	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411753	03.7753	145.0761	7.	61.	-999.	2.65	-5.	-5.	-5.	43.	-20.	16.	-5.	-10.	-15.
411754	03.7753	145.0707	7.	71.	-999.	4.80	-5.	-5.	-5.	53.	-20.	24.	7.	-10.	-15.
411755	03.7753	145.1600	7.	20.	-999.	3.35	-5.	-5.	-5.	12.	-20.	-15.	16.	-10.	-15.
411757	03.7753	145.2053	7.	61.	-999.	14.18	-5.	-5.	-5.	41.	-20.	-15.	12.	-10.	-15.
411758	03.7753	145.2608	6.	31.	-999.	6.56	-5.	-5.	-5.	31.	-20.	28.	21.	-10.	-15.
411759	03.7753	145.2814	6.	35.	-999.	6.44	-5.	-5.	-5.	29.	-20.	34.	16.	-10.	-15.
411760	03.7753	145.0600	7.	15.	-999.	5.20	-5.	-5.	-5.	46.	-20.	20.	20.	-10.	-15.
411761	03.7753	145.1667	7.	53.	-999.	4.85	-5.	-5.	-5.	46.	-20.	22.	9.	-10.	-15.
411762	03.7753	145.2489	7.	51.	-999.	4.28	-5.	-5.	-5.	54.	-20.	38.	7.	-10.	-15.
411763	03.7753	145.2603	7.	21.	-999.	2.55	-5.	-5.	-5.	60.	-20.	35.	9.	-10.	-15.
411764	03.7753	145.3283	7.	26.	-999.	2.36	-5.	-5.	-5.	46.	-20.	25.	5.	-10.	-15.
411765	03.7753	145.3233	7.	29.	-999.	2.07	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411766	03.7753	145.3353	7.	74.	-999.	4.68	-5.	-5.	-5.	32.	-20.	18.	6.	-10.	-15.
411767	03.7753	145.7100	8.	66.	-999.	2.91	-5.	-5.	-5.	35.	-20.	31.	7.	-10.	-15.
411768	03.7753	145.7219	7.	48.	-999.	2.40	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
411769	03.7753	145.7214	7.	34.	-999.	2.49	-5.	-5.	-5.	41.	-20.	36.	-5.	-10.	-15.
411770	03.7753	145.6428	7.	19.	-999.	2.63	-5.	-5.	-5.	37.	-20.	29.	6.	-10.	-15.
411771	03.7753	145.6406	7.	17.	-999.	1.88	-5.	-5.	-5.	48.	-20.	29.	-5.	-10.	-15.

PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000
PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000	PT 34111-1000
411704	-1.	0.	56470.	-0.	710.	14190.	50.	-142.	10.0	70.	-3.3	7.	1.1	41020.	6.2	17500.	12.
411705	2.	0.	45310.	-0.	585.	17550.	51.	-122.	10.7	51.	-2.5	3.	.5	18330.	4.5	13000.	30.
411706	-1.	3.	51400.	-0.	614.	12040.	34.	-122.	10.2	61.	-2.3	3.	.7	19200.	3.1	9077.	12.
411707	-1.	5.	44040.	-0.	604.	13580.	47.	-117.	12.2	55.	-2.6	4.	.6	21650.	5.4	12310.	27.
411708	-1.	0.	51140.	-0.	581.	17000.	53.	-130.	13.0	62.	-3.3	4.	-.5	22020.	4.2	15190.	32.
411709	4.	20.	151700.	-0.	1040.	18710.	45.	-135.	23.4	100.	3.7	6.	1.7	59250.	5.2	35940.	44.
411710	-1.	17.	33710.	-0.	400.	13100.	37.	-52.	8.4	58.	-2.8	-2.	-.4	15800.	-1.7	8069.	-10.
411711	2.	15.	65000.	-0.	712.	20250.	57.	-112.	10.3	83.	4.3	4.	1.1	31120.	6.5	12890.	35.
411712	2.	0.	64500.	-0.	784.	10140.	82.	-112.	10.3	87.	-3.5	5.	.9	20020.	4.8	16210.	17.
411713	1.	0.	40100.	-0.	614.	14980.	55.	-121.	9.5	67.	-3.1	3.	.9	15320.	4.8	12280.	19.
411714	1.	23.	72030.	-0.	943.	12500.	64.	-107.	10.5	80.	-2.3	4.	1.1	23670.	4.1	19150.	30.
411715	-1.	0.	44410.	-0.	543.	31280.	39.	-143.	2.7	142.	-2.4	4.	1.0	22310.	3.7	9957.	19.
411716	-1.	3.	35740.	-0.	454.	9840.	35.	-334.	12.8	58.	-3.1	3.	.5	16750.	3.9	7245.	-9.
411717	1.	4.	53440.	-0.	710.	14240.	50.	-123.	10.6	71.	-3.0	4.	.6	19100.	5.9	10830.	22.
411718	2.	14.	72010.	-0.	1088.	13070.	56.	-117.	10.4	70.	-2.5	4.	1.2	21680.	5.1	21120.	26.
411719	-1.	11.	48880.	-0.	775.	-1540.	44.	-140.	14.7	60.	-2.8	4.	.5	22780.	-1.7	9975.	-9.
411720	-1.	0.	29190.	-0.	573.	10110.	42.	-304.	10.2	59.	-2.4	3.	.6	20400.	2.6	-5000.	15.
411721	-1.	9.	43090.	-0.	590.	13260.	52.	-121.	10.3	55.	-3.4	4.	.7	12540.	5.2	10290.	-11.
411722	2.	7.	56570.	-0.	820.	11990.	62.	-175.	9.2	60.	-2.5	4.	.9	21110.	7.1	12890.	30.
411723	-1.	9.	40880.	-0.	512.	13000.	30.	-210.	4.9	-14.	-2.6	3.	.9	11850.	4.7	13000.	23.
411724	1.	0.	49100.	-0.	578.	9989.	67.	-121.	13.0	66.	-2.9	4.	1.0	18650.	6.1	16050.	23.
411725	2.	20.	60700.	-0.	1159.	17370.	84.	-117.	21.3	112.	5.6	5.	1.3	36720.	6.3	19100.	36.
411726	3.	19.	77020.	-0.	1024.	19040.	73.	-121.	16.8	107.	-2.4	5.	1.3	33560.	6.2	21200.	34.
411727	2.	9.	55950.	-0.	720.	6417.	60.	-134.	9.4	75.	-2.6	5.	1.1	19720.	6.0	16010.	31.
411728	3.	19.	74630.	-0.	892.	13000.	91.	-108.	12.9	111.	-2.6	6.	1.4	31440.	10.9	21690.	41.
411729	3.	18.	80200.	-0.	1004.	13000.	90.	-100.	14.2	93.	4.7	5.	1.3	31980.	8.1	26470.	41.
411730	1.	11.	44000.	-0.	581.	10480.	44.	-405.	6.3	59.	-2.5	3.	-.4	16940.	5.4	15350.	-8.
411731	1.	14.	50280.	-0.	674.	11040.	55.	-562.	13.1	63.	-2.9	5.	1.1	25020.	5.2	13340.	18.
411732	-1.	10.	49990.	-0.	623.	8815.	50.	-119.	9.3	67.	-3.3	5.	.8	20010.	6.0	13550.	25.
411733	1.	20.	64000.	-0.	750.	7083.	64.	-115.	12.4	92.	-2.9	5.	1.4	22900.	7.6	19770.	45.
411734	1.	35.	74990.	-0.	1022.	8508.	78.	-108.	19.6	80.	4.2	5.	1.3	27750.	9.1	25690.	37.
411735	-1.	7.	49280.	-0.	500.	-3344.	43.	-251.	-4.5	-25.	-4.7	6.	-.6	17780.	-3.4	22540.	-22.
411736	-1.	4.	39030.	-0.	440.	10710.	61.	-100.	7.5	44.	-3.1	3.	.7	15280.	4.0	13260.	-10.
411737	-1.	12.	43230.	-0.	600.	20980.	67.	-91.	10.3	50.	-2.5	4.	1.0	18040.	5.9	11800.	25.
411738	3.	27.	78370.	-0.	1164.	27690.	52.	-277.	9.5	30.	3.7	5.	.6	31820.	7.4	25710.	26.
411739	2.	8.	74700.	-0.	1185.	12140.	47.	-125.	8.6	54.	4.8	6.	1.3	30010.	7.9	22170.	50.
411740	3.	10.	87310.	-0.	1108.	10460.	120.	-121.	14.8	6.	-3.0	6.	1.5	43140.	5.8	21100.	53.
411741	3.	27.	88220.	-0.	1147.	12760.	105.	-108.	16.5	61.	-2.3	5.	1.5	44240.	6.9	23520.	48.
411742	-1.	39.	95770.	-0.	1300.	15800.	84.	-110.	17.4	101.	5.1	5.	1.4	50330.	5.2	22800.	46.
411743	2.	0.	67120.	-0.	923.	13700.	69.	-249.	11.2	70.	-3.5	4.	1.3	22580.	3.8	19060.	30.
411744	-1.	23.	15000.	-0.	839.	23470.	75.	-141.	15.6	125.	-3.0	6.	1.4	34480.	4.3	13940.	37.
411745	2.	10.	56920.	-0.	585.	9670.	55.	-239.	11.7	70.	-2.5	4.	.9	19190.	5.3	15070.	25.
411746	1.	8.	55570.	-0.	685.	8909.	44.	-114.	10.7	65.	-2.7	4.	.9	17900.	4.4	13200.	24.
411747	-1.	13.	44040.	-0.	569.	14320.	45.	-114.	11.7	50.	-3.5	3.	.8	14400.	4.4	13040.	-7.
411748	3.	19.	97480.	-0.	1259.	6704.	111.	-108.	11.0	53.	-2.6	8.	1.6	39810.	13.2	32030.	55.
411749	2.	18.	69370.	-0.	804.	11330.	70.	-157.	10.3	84.	3.2	5.	1.3	23610.	9.9	23490.	34.
411750	-1.	14.	39370.	-0.	504.	9702.	50.	-122.	10.9	53.	-2.6	3.	.6	20420.	4.6	10520.	-7.
411751	1.	14.	59950.	-0.	761.	-1485.	64.	-120.	17.1	79.	-3.6	4.	1.3	20860.	5.7	19730.	30.
411752	1.	20.	56730.	-0.	810.	10070.	74.	-121.	12.2	78.	-2.6	4.	1.0	18560.	8.6	17560.	36.
411753	-1.	9.	38980.	-0.	744.	10800.	43.	-347.	10.9	50.	-2.3	3.	.8	15420.	4.3	10620.	13.

ML HABIS LAKE SEDIMENTS

PG. THREE - SAMPLE

SAMPLE NO.	TH PPM	PS PPM	PK PPM	PA PPM	PB PPM	SE PPM	SC PPM	SM PPM	SN PPM	TA PPM	TD PPM	TH PPM	TI PPM	V PPM	YS PPM	ZH PPM	U/TH RATIO
411764	.3	2360.	254.	11250.	-25.	-4.	34.5	4.5	-224.	-3.	-1.	14.0	4268.	108.	-3.3	244.	2.294
411765	-1	7064.	267.	10520.	-51.	-3.	4.7	2.4	-277.	-3.	-1.	5.7	2536.	78.	-2.3	101.	1.116
411766	.2	6125.	355.	6620.	-44.	-3.	6.1	2.7	-286.	-2.	-1.	5.6	2324.	56.	-2.1	-67.	1.014
411767	-2	7455.	351.	6355.	-55.	-4.	4.7	2.1	-349.	-3.	-1.	6.5	2715.	64.	-2.7	-105.	1.058
411768	-2	7105.	391.	10160.	-57.	-4.	11.4	4.4	-373.	-2.	-1.	8.3	3216.	88.	-2.9	-74.	1.340
411769	.3	20300.	1248.	12100.	-55.	-4.	22.5	6.4	-367.	-2.	-1.	16.0	5163.	183.	3.0	170.	4.505
411770	-1	3422.	455.	6366.	-62.	-4.	8.2	3.5	-366.	-3.	-1.	5.4	1994.	50.	-2.6	-45.	1.934
411771	.4	11610.	443.	17090.	-45.	-3.	16.1	4.5	-246.	-1.	-1.	12.4	5011.	105.	4.2	-91.	3.726
411772	.2	7675.	283.	7647.	-66.	-5.	14.0	4.5	-324.	-3.	-1.	11.1	3068.	81.	-3.6	224.	3.091
411773	.2	7466.	266.	7931.	-54.	-4.	10.8	4.1	-316.	-3.	-1.	9.6	3272.	67.	-2.7	225.	4.545
411774	.3	9120.	342.	6941.	-64.	5.	14.5	3.4	-251.	-2.	-1.	11.5	4302.	111.	-2.3	261.	3.534
411775	.4	10740.	471.	11560.	-45.	-3.	10.0	4.2	-322.	-2.	-1.	4.6	2746.	70.	2.4	-494.	1.448
411776	.2	5346.	480.	7207.	-66.	-4.	6.0	3.5	-405.	-3.	-1.	5.8	2749.	59.	-3.0	-994.	3.061
411777	-2	-2317.	464.	10240.	-56.	-4.	11.7	4.1	-363.	-2.	-1.	7.9	3184.	75.	-2.7	344.	2.604
411778	.3	9149.	386.	11720.	67.	-3.	14.0	4.2	-264.	-2.	-1.	8.8	4091.	102.	-2.6	226.	3.066
411779	-1	6643.	462.	8023.	-63.	-4.	10.5	3.3	-354.	-2.	-1.	6.8	2476.	78.	-2.5	-22.	3.546
411780	.3	4644.	1230.	5444.	-46.	-3.	6.7	1.9	-481.	-2.	-1.	4.5	1749.	51.	-1.8	125.	3.165
411781	-2	-2164.	247.	6271.	-61.	-4.	9.1	3.5	-326.	-2.	-1.	9.0	2618.	64.	-3.1	298.	3.597
411782	.2	7614.	324.	8112.	-49.	-3.	11.1	3.7	-267.	-2.	-1.	9.7	3397.	72.	4.0	220.	3.440
411783	.2	3486.	206.	6458.	-55.	-4.	7.6	2.6	-260.	-2.	-1.	6.1	2663.	52.	-2.4	-68.	3.115
411784	.3	7066.	334.	7719.	-54.	-4.	10.3	4.5	-353.	-2.	-1.	8.9	2848.	71.	-3.3	149.	3.413
411785	.3	12130.	447.	14350.	-50.	-4.	18.9	5.8	-309.	-1.	-1.	14.4	5751.	126.	-3.1	-102.	3.597
411786	.4	12840.	467.	13850.	-43.	-3.	15.4	5.6	-263.	-1.	-1.	11.5	4643.	123.	4.5	149.	3.030
411787	.2	9149.	313.	9146.	-54.	-4.	11.3	5.1	-292.	-2.	-1.	11.1	3940.	78.	-2.7	-165.	3.076
411788	.5	10420.	431.	14210.	112.	-3.	16.9	5.7	-261.	-1.	-1.	12.2	5614.	96.	5.6	149.	3.464
411789	.4	11610.	623.	14540.	-40.	-3.	17.5	6.3	-253.	-1.	-1.	12.6	5847.	116.	4.1	-48.	3.745
411790	.3	9657.	239.	7372.	-50.	-3.	6.6	3.9	-256.	-2.	-1.	8.6	2745.	60.	3.4	137.	3.071
411791	.3	7561.	330.	7731.	-56.	-4.	10.4	4.4	-316.	-2.	-1.	9.7	3183.	71.	3.8	-96.	2.665
411792	.5	6514.	305.	8037.	-59.	-4.	11.6	3.3	-341.	-3.	-1.	9.8	3352.	63.	-2.7	255.	3.370
411793	.4	7492.	344.	6731.	-55.	-4.	12.6	5.6	-310.	-2.	-1.	13.6	3919.	68.	-2.5	273.	3.953
411794	.4	10460.	416.	11520.	-41.	-3.	13.2	4.9	-241.	-2.	-1.	13.6	5067.	85.	4.6	171.	3.115
411795	-1.3	7581.	388.	8588.	-117.	-7.	6.6	-1.7	-584.	-6.	-2.	-3.1	4066.	79.	-4.9	-131.	-999.000
411796	-2	4224.	250.	5661.	-64.	-4.	8.1	3.6	-315.	-3.	-1.	7.0	2522.	53.	-3.0	-117.	2.639
411797	.2	4644.	254.	5746.	-49.	-3.	9.8	3.9	-265.	-2.	-1.	4.9	2684.	66.	-2.4	261.	2.062
411798	.3	11630.	762.	21230.	74.	-2.	14.7	4.6	-263.	-1.	-1.	13.7	3203.	77.	3.9	59.	4.082
411799	.4	6404.	332.	10610.	-56.	-3.	14.2	6.4	-264.	-2.	-1.	15.8	4284.	98.	3.3	-73.	1.115
411800	.4	12380.	748.	12910.	-55.	-4.	19.1	7.6	-361.	-2.	-1.	20.8	4704.	123.	5.6	119.	3.175
411801	.3	9275.	857.	12530.	134.	-3.	17.1	7.4	-326.	-2.	-1.	19.3	4186.	111.	6.0	-47.	2.994
411802	.5	12030.	645.	13700.	155.	7.	19.6	6.3	-266.	-1.	-1.	19.0	4638.	153.	3.2	220.	3.650
411803	.3	9640.	291.	8340.	-63.	-4.	14.4	4.6	-274.	-2.	-2.	13.6	3593.	96.	-3.0	240.	2.801
411804	.3	10180.	466.	9450.	-60.	6.	16.6	5.0	-324.	-2.	-1.	11.8	3813.	143.	-2.7	164.	2.755
411805	.2	7396.	311.	8122.	-49.	-3.	12.1	3.5	-320.	-2.	-1.	9.6	3470.	94.	-2.1	-113.	3.759
411806	.4	6121.	326.	7648.	-55.	-3.	11.1	3.7	-306.	-3.	-1.	9.0	2405.	90.	-2.0	153.	3.017
411807	.5	6735.	270.	6604.	-68.	-4.	10.7	3.6	-265.	-3.	-1.	7.3	1951.	73.	-2.6	245.	3.521
411808	.5	8534.	440.	9811.	141.	-3.	16.5	6.6	-260.	-1.	-1.	16.3	5404.	116.	5.6	-56.	3.906
411809	.3	7606.	345.	10810.	-43.	-2.	13.4	4.5	-272.	-2.	-1.	11.2	4637.	101.	4.5	155.	3.846
411810	-1	3465.	652.	6711.	-56.	-3.	8.3	3.3	-405.	-3.	-1.	5.2	3335.	53.	-2.2	-71.	2.165
411811	.3	8336.	399.	6643.	-74.	-5.	12.0	4.2	-330.	-3.	-1.	11.5	3514.	70.	3.6	180.	4.606
411812	.4	5805.	330.	8331.	100.	-3.	11.9	4.5	-277.	-2.	-1.	9.1	3915.	81.	-2.3	198.	3.460
411813	.2	7143.	271.	4976.	-51.	-3.	8.2	2.9	-329.	-2.	-1.	5.4	2475.	57.	-2.1	161.	2.874

[illegible]

ME HATES (OFF) DISTRICTS

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SAMPLE ID	01 PPM	11 PPM	21 PPM	31 PPM	41 PPM	51 PPM	61 PPM	71 PPM	81 PPM	91 PPM	02 PPM	12 PPM	22 PPM	32 PPM	42 PPM	52 PPM	62 PPM	72 PPM	82 PPM	92 PPM
411707	-1.	14.	50850.	-0.	652.	-1223.	55.	-165.	8.2	81.	-2.7	3.	.7	11580.	5.7	15450.	20.			
411708	-1.	21.	76180.	-0.	954.	10220.	21.	250.	15.3	67.	-3.4	5.	1.4	25120.	7.1	17280.	40.			
411709	3.	18.	77950.	-0.	965.	6569.	150.	-131.	16.9	92.	-2.4	6.	1.1	38720.	7.3	22150.	50.			
411710	2.	4.	51150.	-0.	515.	16470.	49.	275.	14.6	16.	-2.2	5.	.9	21550.	7.3	17510.	30.			
411711	1.	26.	63430.	-0.	570.	12560.	69.	-115.	21.6	60.	-2.6	5.	1.1	27620.	6.8	19240.	30.			
411716	-1.	27.	77070.	-0.	824.	23340.	27.	-125.	16.1	101.	-2.6	4.	1.1	35110.	6.1	14600.	27.			
411717	1.	29.	60540.	-0.	687.	16160.	73.	-155.	11.9	74.	-2.8	4.	1.2	26790.	6.2	16120.	35.			
411723	1.	29.	73530.	-0.	953.	6311.	94.	-105.	23.1	71.	-1.4	6.	1.4	46430.	7.7	27130.	50.			
411727	2.	5.	50760.	-0.	571.	17690.	65.	-118.	14.1	76.	-2.4	5.	1.0	25020.	6.2	15900.	30.			
411736	1.	26.	65510.	-0.	766.	11760.	93.	-94.	12.0	63.	-2.1	5.	1.2	26200.	16.7	14710.	41.			
411739	2.	6.	57060.	-0.	633.	19410.	57.	-140.	14.3	71.	-2.8	4.	1.1	23180.	5.5	16020.	31.			
411742	5.	36.	77450.	-0.	1119.	20470.	115.	-119.	15.6	82.	7.8	6.	1.3	39940.	6.8	21000.	50.			
411743	3.	26.	79140.	-0.	850.	16820.	80.	-143.	16.7	71.	6.9	7.	1.3	45090.	7.5	18240.	40.			
411755	2.	16.	75760.	-0.	751.	23540.	57.	-113.	15.4	93.	-2.1	4.	1.2	42150.	5.4	16670.	27.			
411791	-1.	27.	60600.	-0.	1263.	26000.	52.	-209.	19.5	-34.	-5.4	-2.	1.0	25210.	-1.7	17600.	19.			
411797	-1.	1.	50080.	-0.	414.	13190.	32.	-161.	-3.0	-17.	-3.4	3.	-5	8702.	-2.1	-5319.	-20.			
411800	2.	21.	76550.	-0.	916.	17670.	77.	-127.	22.7	90.	-2.4	6.	1.6	44050.	6.1	17140.	37.			
411801	-1.	16.	60300.	-0.	662.	7112.	64.	349.	7.7	72.	-2.5	3.	.9	19410.	5.5	15400.	-9.			
411802	2.	10.	76290.	-0.	1001.	6626.	70.	-129.	13.3	64.	3.7	6.	1.2	29530.	7.5	17740.	40.			
411803	4.	15.	85110.	-0.	1113.	11430.	95.	-106.	16.4	119.	4.6	6.	1.3	37420.	9.6	19700.	46.			
411804	2.	5.	59180.	-0.	817.	6379.	92.	-116.	10.0	97.	-2.9	5.	1.0	17220.	5.6	16600.	32.			
411805	2.	36.	82290.	-0.	1267.	9475.	60.	-115.	12.2	92.	5.8	6.	1.2	29260.	6.7	21780.	39.			
411806	2.	13.	85980.	-0.	1242.	9639.	97.	-129.	16.4	101.	3.7	6.	1.3	35210.	6.9	29760.	40.			
411807	4.	22.	85430.	-0.	1373.	14150.	106.	-114.	14.8	87.	3.5	5.	1.5	38940.	7.7	29060.	47.			
411808	1.	32.	60750.	-0.	471.	22550.	42.	241.	9.2	82.	-2.4	4.	1.1	26750.	6.2	-4128.	-8.			
411809	5.	13.	69120.	-0.	1015.	7224.	75.	-81.	8.3	72.	-1.4	5.	1.1	15270.	14.2	22030.	35.			
411810	4.	18.	85840.	-0.	1196.	9861.	160.	-112.	16.2	96.	4.7	6.	1.1	28150.	6.9	25910.	45.			
411811	4.	62.	84310.	-0.	440.	20390.	55.	-126.	14.0	43.	5.6	5.	1.3	38490.	49.0	18120.	25.			
411812	1.	21.	58890.	-0.	599.	11380.	63.	241.	15.7	79.	-2.5	4.	1.3	27280.	4.6	14780.	36.			
411813	2.	20.	76150.	-0.	1004.	19990.	69.	-104.	17.2	90.	-1.4	4.	1.3	17500.	5.6	19010.	37.			
411814	-1.	13.	46100.	-0.	667.	16330.	52.	-146.	7.9	79.	-2.6	5.	1.1	17180.	4.6	10680.	-13.			
411816	1.	22.	64140.	-0.	766.	18710.	90.	-130.	11.9	112.	-2.8	6.	1.4	32290.	9.3	14530.	54.			
411817	1.	26.	70660.	-0.	792.	12210.	111.	-123.	24.4	64.	-3.0	6.	.9	31350.	4.2	14670.	47.			
411818	-1.	11.	41390.	-0.	-213.	14030.	53.	310.	9.5	72.	-2.6	4.	.8	19440.	3.9	8007.	-13.			
411819	-1.	67.	104000.	-0.	1503.	10400.	36.	-178.	23.8	145.	-3.5	6.	.8	56820.	2.5	31670.	-11.			
411820	-1.	13.	39670.	-0.	649.	10970.	51.	402.	7.7	46.	-2.9	4.	.7	15160.	3.9	-4994.	-11.			
411821	-1.	14.	32400.	-0.	529.	12680.	37.	-82.	10.3	66.	4.9	5.	1.1	19490.	3.1	8106.	21.			
411822	-1.	9.	33920.	-0.	379.	11070.	40.	306.	6.1	54.	-2.0	3.	.3	13720.	2.7	7636.	21.			
411823	1.	7.	53170.	-0.	783.	14920.	60.	-160.	9.9	47.	6.5	4.	.7	24140.	3.3	14700.	30.			
411824	4.	20.	72560.	-0.	1046.	17600.	91.	-126.	11.9	55.	6.9	6.	1.0	27630.	7.9	21790.	49.			
411825	1.	33.	50570.	-0.	716.	14810.	85.	-135.	9.0	91.	4.6	4.	.9	26460.	4.4	18000.	39.			
411826	3.	11.	65100.	-0.	887.	15270.	71.	-129.	12.7	64.	-2.3	4.	1.1	31120.	5.7	14550.	41.			
411827	-1.	9.	34550.	-0.	528.	-1712.	141.	286.	10.2	-18.	-3.4	9.	1.2	37080.	-2.1	-5628.	49.			
411831	2.	6.	61240.	-0.	668.	11360.	88.	-114.	11.9	79.	-3.3	6.	1.2	26230.	5.6	18220.	53.			
411835	3.	15.	80240.	-0.	1049.	11850.	103.	-102.	11.5	86.	7.4	7.	1.3	33310.	5.7	24770.	43.			
411836	3.	14.	73480.	-0.	947.	9459.	68.	-98.	12.1	92.	3.8	5.	1.2	24220.	8.9	22680.	49.			
411839	2.	45.	60270.	-0.	706.	39280.	177.	-108.	20.3	647.	3.6	7.	1.3	46950.	15.5	17880.	86.			
411842	3.	18.	72970.	-0.	640.	12540.	116.	-101.	16.1	85.	-2.3	5.	1.4	27650.	11.1	23060.	44.			
411846	4.	20.	69370.	-0.	801.	4272.	96.	-93.	8.6	64.	-1.7	5.	1.2	32990.	11.2	21940.	37.			
411848	-1.	16.	47570.	-0.	-349.	20850.	-17.	940.	-4.4	-25.	-4.7	2.	-8	11780.	-3.4	-7852.	-26.			

DATE TIME	IN PER	LO PER	SH PER	SE PER	SP PER	ST PER	SC PER	SP PER	ST PER	ST PER	IN PER	LO PER	SH PER	SE PER	SP PER	ST PER	ST PER
811177	2	1901.	220.	5247.	-52.	-3.	9.8	2.2	-250.	-2.	-1.	9.1	5123.	70.	-2.4	-85.	3.571
811178	2	7301.	817.	9499.	-61.	-4.	14.1	-6.6	-250.	-2.	-1.	17.5	3710.	81.	5.2	153.	4.348
811179	2	4711.	978.	9155.	-55.	-4.	16.3	6.7	-338.	-2.	-1.	16.0	5210.	111.	5.1	208.	3.846
811180	3	6153.	817.	9998.	-61.	-3.	9.9	3.8	-318.	-2.	-1.	8.7	3507.	72.	8.2	212.	3.557
811181	3	9277.	825.	10651.	-52.	-3.	11.5	5.7	-333.	-2.	-1.	9.7	8020.	97.	-2.0	-999.	3.378
811182	3	12150.	899.	17317.	-50.	-3.	16.3	4.0	-380.	-1.	-1.	7.8	6598.	139.	2.7	159.	3.205
811183	3	9273.	817.	12150.	-51.	-3.	14.8	4.2	-305.	-2.	-1.	9.8	4883.	101.	-2.0	-109.	5.202
811184	3	6127.	1156.	9295.	102.	-2.	13.9	6.0	-378.	-2.	-1.	10.2	6596.	101.	3.2	128.	3.846
811185	3	9552.	983.	11890.	-50.	-3.	12.7	4.0	-350.	-2.	-1.	10.2	6862.	84.	-1.9	101.	3.155
811186	3	9666.	343.	15020.	-37.	-3.	13.3	5.2	-207.	-1.	-1.	8.0	5718.	87.	3.4	-182.	3.069
811187	3	7679.	349.	11109.	-51.	-3.	12.2	4.5	-107.	-2.	-1.	9.0	3857.	73.	5.3	251.	1.106
811188	3	10116.	937.	16330.	103.	-3.	17.8	10.1	-208.	-2.	-1.	16.5	4354.	128.	8.9	-136.	1.159
811189	3	10000.	819.	15140.	129.	-3.	18.0	4.9	-347.	-1.	-1.	14.0	4517.	119.	5.1	-61.	1.595
811190	3	11910.	970.	15790.	-41.	-3.	18.0	4.3	-292.	-1.	-1.	7.7	5299.	135.	2.5	-138.	3.766
811191	-3	9554.	892.	11050.	-113.	-7.	14.2	3.1	-475.	-0.	-2.	7.0	4247.	123.	-5.3	-101.	2.653
811192	-3	4437.	265.	6192.	-60.	-5.	7.0	-1.4	-352.	-4.	-1.	5.5	1859.	40.	-3.4	-50.	4.237
811193	3	10750.	764.	15110.	-45.	-3.	16.8	5.5	-301.	-1.	-1.	12.1	5562.	134.	-1.9	72.	1.637
811194	3	5070.	547.	6887.	-52.	-4.	10.4	4.5	-315.	-2.	-1.	9.7	3298.	78.	-2.0	110.	3.472
811195	3	7950.	917.	8545.	-57.	-4.	13.5	6.5	-330.	-2.	-1.	14.8	3976.	102.	-2.7	117.	3.322
811196	3	4476.	608.	12980.	92.	-4.	17.1	6.4	-312.	-1.	-1.	16.0	5122.	116.	4.4	134.	4.149
811197	-3	5173.	318.	7478.	-49.	-5.	12.8	6.3	-301.	-2.	-1.	13.9	3759.	65.	-3.1	100.	4.405
811198	3	9509.	438.	10500.	95.	-4.	15.2	5.7	-260.	-2.	-1.	10.3	5074.	117.	-3.1	-112.	4.065
811199	3	11660.	479.	11350.	113.	-4.	16.0	6.5	-298.	-1.	-1.	19.3	4319.	104.	3.7	151.	3.846
811200	3	10620.	691.	14810.	118.	-4.	16.6	6.2	-306.	-1.	-1.	16.1	4615.	166.	4.8	-20.	3.774
811201	3	6453.	604.	32910.	-49.	-4.	18.0	3.6	-335.	-1.	-1.	4.0	4057.	107.	-2.6	-50.	2.000
811202	3	5105.	350.	10350.	74.	-2.	10.5	4.5	-170.	-1.	-1.	12.6	5073.	70.	3.0	-35.	3.401
811203	3	9452.	410.	11580.	120.	-4.	15.3	6.4	-260.	-1.	-1.	15.1	4786.	108.	3.6	267.	3.906
811204	3	9741.	988.	27200.	67.	6.	18.1	4.2	-290.	-1.	-1.	5.5	4520.	166.	4.7	-999.	1.831
811205	3	6306.	424.	9087.	-50.	-4.	13.2	4.2	-255.	-1.	-1.	9.3	3694.	95.	-2.4	192.	3.059
811206	3	18920.	636.	15770.	-39.	-3.	16.5	6.0	-287.	-1.	-1.	11.6	4630.	129.	2.9	-122.	1.855
811207	3	7139.	307.	8545.	-59.	-5.	10.3	4.2	-315.	-2.	-1.	8.9	3311.	72.	-3.0	-170.	3.300
811208	3	9047.	574.	13470.	-51.	-5.	14.8	5.9	-350.	-2.	-1.	13.1	4949.	93.	-3.4	137.	1.934
811209	3	7574.	885.	12210.	-70.	-5.	14.0	6.2	-341.	-2.	-1.	26.0	3110.	120.	-2.9	-67.	2.660
811210	3	7240.	541.	7993.	-57.	-5.	8.7	2.8	-300.	-3.	-1.	6.6	3022.	59.	-3.0	-73.	1.534
811211	3	15170.	1012.	14590.	-72.	-6.	22.0	3.0	-445.	-3.	-1.	4.9	4946.	243.	-3.4	242.	1.802
811212	3	4230.	817.	7650.	-60.	-5.	7.5	3.6	-351.	-2.	-1.	9.3	1857.	47.	-3.1	-122.	2.242
811213	3	4950.	249.	5418.	-43.	-2.	9.7	4.0	-220.	-2.	-1.	4.6	2335.	60.	3.2	-171.	2.100
811214	3	4411.	236.	5639.	-43.	-2.	6.2	3.4	-221.	-2.	-1.	11.2	1550.	42.	-1.6	-41.	1.368
811215	3	5078.	894.	9708.	-83.	-5.	9.9	5.1	-440.	-2.	-1.	17.4	3464.	68.	-2.9	-90.	1.766
811216	3	9095.	593.	15650.	98.	-4.	12.6	6.3	-333.	-2.	-1.	23.8	2997.	74.	5.8	-137.	1.761
811217	3	7001.	876.	11220.	-55.	-5.	11.5	4.3	-430.	-3.	-1.	20.4	3414.	65.	-2.9	209.	2.841
811218	3	8378.	853.	12730.	-49.	-4.	13.2	5.4	-335.	-1.	-1.	11.0	3590.	85.	-2.5	-67.	1.471
811219	3	2536.	425.	4037.	-90.	-6.	6.7	7.0	-340.	-3.	-1.	7.5	1819.	59.	-3.2	-107.	1.653
811220	3	6098.	404.	8661.	-65.	-6.	13.3	10.5	-347.	-2.	-1.	28.2	3696.	77.	4.5	137.	1.966
811221	3	9050.	857.	11760.	151.	-4.	16.9	6.9	-273.	-2.	-1.	20.9	3895.	108.	6.8	-51.	4.167
811222	3	8076.	814.	12850.	102.	-3.	13.0	5.3	-224.	-2.	-1.	15.1	4554.	94.	5.0	136.	3.968
811223	3	23510.	978.	15260.	121.	-3.	20.9	16.8	-254.	-1.	-1.	47.8	3448.	110.	6.3	96.	4.219
811224	3	6980.	409.	13230.	-45.	-4.	14.4	6.7	-259.	-1.	-1.	14.1	5394.	86.	4.1	115.	3.774
811225	3	8913.	801.	12430.	86.	-3.	12.4	5.4	-212.	-2.	-1.	12.3	5168.	89.	-2.1	100.	3.490
811226	-3	4276.	825.	14280.	-105.	-8.	4.9	-1.8	-653.	-5.	-2.	-3.5	-1576.	55.	-5.2	-999.	-999.000

DATE	TIME	PR	COND.	WATER	TEMP.	SILICA	SODIUM	CALCIUM	COPPER	NICKEL	IRON	CHLOR	PHOS	POTASSIUM
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
811051	03.0000	188.1000	5	28.	-999.	2.50	-5.	-5.	-5.	22.	-20.	17.	7.	-10.
811052	03.0000	188.1000	7.	28.	-999.	1.80	-5.	-5.	-5.	22.	-20.	-15.	5.	-10.
811053	03.0000	188.1000	7.	27.	-999.	4.10	-5.	-5.	-5.	30.	-20.	18.	19.	-10.
811054	03.0000	188.1000	5.	150.	-999.	4.60	-5.	-5.	-5.	41.	-20.	37.	19.	-10.
811055	03.0000	188.1000	5.	370.	-999.	3.10	-5.	-5.	-5.	26.	-20.	23.	12.	-10.
811056	03.0000	188.1000	5.	470.	-999.	2.10	-5.	-5.	-5.	34.	-20.	22.	11.	-10.
811057	03.0000	188.1000	6.	41.	-999.	3.20	-5.	-5.	-5.	42.	-20.	20.	16.	-10.
811058	03.0000	188.1000	6.	50.	-999.	2.10	-5.	-5.	-5.	51.	-20.	39.	5.	-10.
811059	03.0000	188.1000	6.	60.	-999.	2.10	-5.	-5.	-5.	38.	-20.	20.	5.	-10.
811060	03.0000	188.1000	6.	60.	-999.	3.20	-5.	-5.	-5.	41.	-20.	30.	8.	-10.
811061	03.0000	188.1000	6.	60.	-999.	2.40	-5.	-5.	-5.	44.	-20.	29.	5.	-10.
811062	03.0000	188.1000	6.	60.	-999.	3.20	-5.	-5.	-5.	49.	-20.	32.	11.	-10.
811063	03.0000	188.1000	6.	71.	-999.	3.20	-5.	-5.	-5.	52.	-20.	32.	5.	-10.
811064	03.0000	188.1000	6.	64.	-999.	2.10	-5.	-5.	-5.	145.	-20.	171.	23.	-10.
811065	03.0000	188.1000	6.	52.	-999.	2.50	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
811066	03.0000	188.1000	6.	10.	-999.	2.60	-5.	-5.	-5.	54.	-20.	47.	9.	-10.
811067	03.0000	188.1000	7.	61.	-999.	1.60	-5.	-5.	-5.	39.	-20.	-15.	5.	-10.
811068	03.0000	188.1000	7.	33.	-999.	1.40	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
811069	03.0000	188.1000	7.	29.	-999.	2.40	-5.	-5.	-5.	65.	-20.	13.	12.	-10.
811070	03.0000	188.1000	7.	22.	-999.	3.40	-5.	-5.	-5.	29.	-20.	26.	6.	-10.
811071	03.0000	188.1000	7.	1.	-999.	2.20	-5.	-5.	-5.	59.	-20.	41.	5.	-10.
811072	03.0000	188.1000	7.	5.	-999.	2.40	-5.	-5.	-5.	52.	-20.	28.	5.	-10.
811073	03.0000	188.1000	7.	11.	-999.	2.40	-5.	-5.	-5.	37.	-20.	-15.	6.	-10.
811074	03.0000	188.1000	8.	-999.	-999.	3.20	-5.	-5.	-5.	35.	-20.	20.	5.	-10.
811075	03.0000	188.1000	8.	100.	-999.	4.20	-5.	-5.	-5.	47.	-20.	29.	11.	-10.
811076	03.0000	188.1000	6.	600.	-999.	4.30	-5.	-5.	-5.	47.	-20.	-15.	11.	-10.
811077	03.0000	188.1000	7.	127.	-999.	4.20	-5.	-5.	-5.	28.	-20.	21.	5.	-10.
811078	03.0000	188.1000	5.	120.	-999.	6.40	-5.	-5.	-5.	36.	-20.	18.	17.	-10.
811079	03.0000	188.1000	9.	150.	-999.	4.80	-5.	-5.	-5.	37.	-20.	31.	5.	-10.
811080	03.0000	188.1000	6.	110.	-999.	6.30	-5.	-5.	-5.	31.	-20.	17.	12.	-10.
811081	03.0000	188.1000	9.	150.	-999.	6.00	-5.	-5.	-5.	36.	-20.	29.	8.	-10.
811082	03.0000	188.1000	7.	160.	-999.	8.10	-5.	-5.	-5.	25.	-20.	-15.	5.	-10.
811083	03.0000	188.1000	6.	65.	-999.	2.80	-5.	-5.	-5.	59.	-20.	44.	10.	-10.
811084	03.0000	188.1000	8.	270.	-999.	2.70	-5.	-5.	-5.	61.	-20.	28.	16.	-10.
811085	03.0000	188.1000	9.	100.	-999.	6.60	-5.	-5.	-5.	34.	-20.	17.	5.	-10.
811086	03.0000	188.1000	9.	120.	-999.	2.40	-5.	-5.	-5.	62.	-20.	38.	11.	-10.
811087	03.0000	188.1000	8.	120.	-999.	1.20	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
811088	03.0000	188.1000	7.	130.	-999.	1.00	-5.	-5.	-5.	34.	-20.	22.	5.	-10.
811089	03.0000	188.1000	9.	150.	-999.	3.60	-5.	-5.	-5.	68.	-20.	47.	15.	-10.
811090	03.0000	188.1000	10.	80.	-999.	2.40	-5.	-5.	-5.	32.	-20.	31.	6.	-10.
811091	03.0000	188.1000	8.	120.	-999.	1.90	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
811092	03.0000	188.1000	8.	130.	-999.	5.00	-5.	-5.	-5.	70.	-20.	-15.	5.	-10.
811093	03.0000	188.1000	7.	140.	-999.	5.40	-5.	-5.	-5.	40.	-20.	51.	10.	-10.
811094	03.0000	188.1000	6.	320.	-999.	2.80	-5.	-5.	-5.	39.	-20.	27.	8.	-10.
811095	03.0000	188.1000	8.	180.	-999.	3.20	-5.	-5.	-5.	34.	-20.	28.	5.	-10.
811096	03.0000	188.1000	8.	180.	-999.	2.40	-5.	-5.	-5.	45.	-20.	40.	10.	-10.
811097	03.0000	188.1000	8.	180.	-999.	3.00	-5.	-5.	-5.	31.	-20.	32.	5.	-10.

SAMPLE NO.	FE PPM	CU PPM	AL PPM	NI PPM	KA PPM	CA PPM	CL PPM	CE PPM	CO PPM	CF PPM	CS PPM	BY PPM	EO PPM	FE PPM	HP PPM	K PPM	LA PPM
411851	1.	12.	46330.	-0.	610.	-1571.	69.	261.	-2.2	58.	-3.7	4.	.5	12810.	5.1	17610.	-13.
411852	-1.	2.	24930.	-0.	372.	4740.	35.	334.	4.3	39.	-1.8	2.	.6	18940.	2.3	9750.	14.
411853	2.	12.	70210.	-0.	802.	8187.	114.	-50.	18.5	81.	-2.2	6.	1.6	28600.	12.2	20920.	63.
411854	2.	23.	74160.	-0.	1717.	18120.	63.	178.	15.0	104.	6.9	5.	1.4	31320.	6.8	24330.	60.
411855	3.	13.	56300.	-0.	188.	14950.	74.	-44.	17.3	72.	-1.5	5.	1.3	36820.	11.1	15040.	32.
411856	2.	15.	50870.	-0.	564.	15550.	71.	-61.	15.5	58.	-1.5	4.	.9	34170.	5.6	13760.	30.
411857	2.	14.	55450.	-0.	558.	14270.	101.	-62.	15.2	56.	2.7	5.	1.1	33860.	1.4	13160.	42.
411858	-1.	54.	61740.	-0.	704.	18870.	54.	-104.	18.8	98.	3.2	5.	1.2	44900.	5.4	14210.	26.
411859	1.	17.	74470.	-0.	535.	16720.	42.	424.	7.8	63.	-2.5	4.	1.3	24640.	6.4	8922.	-6.
411860	2.	11.	63310.	-0.	703.	16110.	92.	-49.	11.3	68.	-2.2	5.	1.4	27970.	9.9	19290.	42.
411861	-1.	4.	14470.	-0.	884.	11090.	54.	-108.	6.9	66.	-2.3	4.	.5	15950.	2.2	13500.	-9.
411862	2.	24.	69570.	-0.	670.	18360.	81.	-102.	16.1	121.	4.4	5.	1.4	38390.	6.5	16840.	30.
411863	1.	10.	62830.	-0.	953.	17710.	57.	-111.	14.0	82.	-2.2	5.	1.2	23000.	4.8	14550.	-7.
411864	1.	67.	70780.	-0.	1235.	7878.	30.	343.	41.2	190.	13.7	5.	1.3	45320.	3.5	15550.	-10.
411865	-1.	25.	61900.	-0.	1042.	12490.	66.	-150.	19.7	88.	-3.3	5.	1.4	52230.	6.2	10210.	35.
411866	-1.	19.	55330.	-0.	631.	12640.	67.	260.	14.0	67.	-2.7	4.	1.0	21320.	3.5	16020.	24.
411867	-1.	3.	39650.	-0.	743.	8404.	41.	271.	12.7	76.	-1.9	3.	1.0	22750.	3.5	6794.	10.
411868	-1.	10.	34890.	-0.	855.	-2051.	50.	443.	-2.6	-16.	-3.0	4.	.7	16170.	4.0	11240.	16.
411869	-1.	10.	37510.	-0.	730.	-1330.	44.	363.	7.1	63.	-3.0	-1.	1.1	18280.	4.6	8923.	-16.
411870	2.	11.	60240.	-0.	1403.	11250.	75.	-89.	6.7	95.	-2.1	5.	.8	24340.	6.7	10180.	-9.
411871	2.	9.	50130.	-0.	777.	16530.	65.	143.	17.6	60.	-2.4	5.	1.3	29800.	6.5	12770.	31.
411872	2.	8.	51370.	-0.	766.	15640.	79.	-123.	15.9	81.	-2.4	5.	1.2	27140.	7.3	14500.	47.
411873	2.	15.	64380.	-0.	660.	17530.	52.	-110.	10.4	62.	-2.3	4.	1.0	22150.	5.0	10810.	14.
411874	2.	12.	72080.	-0.	932.	22790.	52.	-123.	17.2	86.	-2.1	5.	1.0	42700.	4.9	14540.	19.
411875	2.	28.	75030.	-0.	746.	37120.	60.	-144.	17.4	78.	-2.6	6.	1.2	45320.	4.6	14050.	33.
411876	2.	13.	61080.	-0.	813.	28160.	68.	-140.	18.3	94.	-3.2	5.	1.1	57630.	4.1	9536.	31.
411877	3.	35.	65930.	-0.	718.	23660.	77.	-123.	13.9	19.	-2.6	6.	1.3	30850.	6.4	12720.	-9.
411878	2.	18.	71230.	-0.	974.	19340.	63.	-115.	12.9	76.	-2.2	5.	1.2	32860.	4.2	15390.	35.
411879	3.	32.	71120.	-0.	686.	21620.	62.	-131.	14.5	94.	1.0	6.	1.1	36590.	7.5	12790.	37.
411880	2.	10.	63240.	-0.	766.	15940.	63.	-140.	17.7	96.	-3.4	5.	1.3	36520.	4.3	15420.	37.
411881	3.	17.	76580.	-0.	901.	20870.	68.	-132.	15.8	91.	-2.5	7.	1.3	37820.	5.3	18060.	35.
411882	-1.	4.	-10300.	-0.	-1742.	20850.	-11.	-207.	-2.6	-19.	-3.6	10.	-5	26800.	-2.1	-40890.	-10.
411883	3.	20.	69350.	-0.	1323.	26030.	75.	-126.	20.8	115.	-2.3	6.	1.5	47780.	5.1	23220.	38.
411884	3.	23.	81970.	-0.	965.	27820.	54.	-150.	21.2	101.	-2.7	5.	1.6	45750.	4.8	18370.	24.
411885	1.	6.	50400.	-0.	471.	21120.	34.	-134.	12.0	71.	-2.9	4.	.8	22560.	-1.7	10980.	-11.
411886	3.	15.	69640.	-0.	1002.	20930.	50.	-141.	22.5	76.	-3.0	3.	1.1	65040.	5.1	20060.	26.
411887	-1.	5.	28440.	-0.	383.	18290.	20.	-156.	8.2	58.	-2.7	2.	-4	14110.	-1.8	-4904.	-16.
411888	-1.	4.	24000.	-0.	-235.	16110.	26.	326.	12.0	41.	-2.9	2.	.6	21630.	3.3	-4832.	-14.
411889	4.	71.	85020.	-0.	1260.	21500.	74.	-145.	25.7	50.	-3.2	6.	1.5	49750.	4.6	20760.	43.
411890	3.	24.	76030.	-0.	877.	25370.	57.	-117.	16.1	92.	-2.0	4.	1.2	34790.	4.2	13930.	25.
411891	-1.	3.	17450.	-0.	253.	16950.	18.	-110.	-2.0	33.	-2.1	-1.	-3	6035.	-1.4	-3536.	-14.
411892	2.	10.	53640.	-0.	648.	17640.	47.	-124.	7.4	82.	3.4	3.	.8	18600.	4.7	10490.	-10.
411893	3.	40.	74910.	-0.	857.	18660.	78.	-126.	21.2	103.	4.4	6.	1.1	44010.	4.0	15960.	39.
411894	2.	20.	64680.	-0.	862.	23120.	61.	-137.	16.6	87.	-2.7	4.	.9	50120.	3.7	14120.	27.
411895	3.	40.	72430.	-0.	867.	21160.	73.	-132.	17.1	104.	-2.3	6.	1.2	43170.	5.7	14930.	37.
411896	3.	23.	66910.	-0.	879.	16220.	50.	-136.	20.1	86.	-3.6	5.	1.0	36810.	3.6	14950.	21.
411897	3.	24.	70580.	-0.	727.	22100.	68.	363.	16.0	109.	-2.2	4.	1.1	35530.	5.6	14950.	30.

MI HAYES LAKE SEDIMENT

PC. THREI - JAMPEI 11

SAMPLE NO.	CU PPM	MO PPM	NI PPM	NA PPM	FE PPM	SB PPM	SC PPM	SO PPM	SP PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	TO PPM	TP PPM	U/LIR RATIO
411851	1.3	6157.	319.	7073.	-56.	-4.	16.2	4.0	-304.	-2.	-1.	7.8	3201.	65.	-2.8	-74.	2.625
411852	1.1	3944.	192.	2691.	-44.	5.	5.4	2.0	-207.	-2.	-1.	5.1	1570.	37.	-1.0	-56.	3.425
411853	1.3	8214.	420.	11360.	78.	-4.	14.3	2.0	-256.	-1.	-1.	12.6	4924.	80.	3.1	-53.	3.175
411854	1.3	11300.	588.	11440.	148.	6.	14.3	2.1	-242.	-1.	-1.	15.4	3941.	95.	4.0	124.	3.448
411855	1.4	2052.	601.	14000.	102.	-2.	11.5	5.5	-227.	-1.	-1.	11.0	5162.	75.	3.0	173.	3.521
411856	1.2	7475.	500.	13710.	78.	-2.	15.1	4.4	-222.	-1.	-1.	10.2	4237.	63.	3.4	-63.	4.186
411857	1.3	6175.	657.	13060.	73.	-3.	11.2	5.4	-231.	-1.	-1.	11.7	5016.	64.	4.2	-34.	3.521
411858	1.3	12260.	764.	19140.	72.	4.	17.0	5.1	-230.	-1.	-999.	5.6	4110.	134.	3.9	155.	2.571
411859	1.3	8242.	547.	20740.	-40.	-4.	15.1	3.7	-348.	-2.	-1.	4.2	4424.	68.	-2.7	127.	2.058
411861	1.3	10570.	386.	12420.	-42.	-4.	14.3	5.3	-260.	-2.	-1.	11.4	4707.	85.	6.3	-57.	3.559
411862	1.3	7073.	274.	8947.	-45.	-4.	11.0	4.3	-242.	-2.	-1.	8.2	3501.	78.	-2.2	-156.	3.390
411863	1.3	10540.	656.	13730.	-44.	-4.	17.3	2.0	-284.	-1.	-1.	10.9	4519.	139.	4.5	-51.	3.356
411866	1.2	9514.	400.	11200.	-44.	-4.	13.4	-1.9	-249.	-2.	-1.	6.7	4392.	105.	-2.3	166.	2.232
411867	1.2	11720.	1066.	4784.	-63.	15.	15.7	3.0	-342.	-2.	-1.	5.5	3064.	176.	-2.9	377.	1.972
411868	1.3	17620.	1116.	15210.	-58.	-3.	19.2	4.6	-468.	-2.	-1.	8.8	11260.	155.	-2.7	-999.	3.460
411869	1.1	6552.	351.	8345.	-52.	-3.	12.3	4.3	-302.	-2.	-1.	10.5	4128.	82.	-2.1	274.	3.937
411872	1.1	5465.	450.	4445.	-34.	-2.	8.0	3.5	-237.	-2.	-1.	5.4	2513.	83.	2.0	-33.	3.003
411873	1.1	3150.	700.	6478.	-54.	-3.	6.7	3.4	-316.	-4.	-1.	7.2	2672.	61.	-2.4	-101.	3.636
411874	1.2	4840.	257.	5310.	-57.	-5.	9.4	2.8	-314.	-3.	-1.	-2.0	2394.	78.	-3.3	-70.	-999.000
411877	1.3	7574.	322.	7830.	75.	-3.	13.4	1.2	-213.	-2.	1.	15.1	4963.	135.	4.2	175.	2.890
411878	1.2	7604.	344.	10810.	-52.	-4.	11.6	5.5	-280.	-2.	-1.	5.7	4500.	93.	-2.6	195.	4.274
411879	1.3	8015.	325.	11370.	-55.	-5.	13.4	6.1	-301.	-2.	-1.	0.7	4604.	95.	5.7	249.	3.610
411880	1.3	9834.	372.	15490.	-36.	-4.	14.0	3.3	-274.	-2.	-1.	4.2	4874.	101.	-2.1	-50.	2.833
411881	1.3	11660.	600.	15670.	-41.	-4.	15.3	4.0	-283.	-2.	-1.	6.1	4570.	130.	3.1	-69.	2.242
411883	1.3	13470.	606.	14170.	-59.	-4.	17.1	5.7	-324.	-2.	1.	10.6	4688.	123.	3.6	240.	2.488
411884	1.2	9070.	1302.	10070.	-65.	-5.	16.4	4.0	-487.	-3.	-1.	9.5	3926.	121.	-3.4	-68.	2.193
411885	1.1	10650.	554.	15530.	-44.	-4.	15.8	5.0	-331.	-1.	-1.	10.1	4541.	98.	-2.7	-73.	1.931
411890	1.3	9911.	522.	13160.	-75.	-4.	15.1	5.1	-260.	-2.	-1.	10.5	4335.	131.	-2.3	57.	1.634
411891	1.4	10480.	555.	16900.	-43.	-3.	16.2	5.6	-276.	-1.	-1.	8.9	4830.	115.	2.6	-90.	1.901
411892	1.4	8031.	663.	11940.	-65.	-5.	15.2	5.2	-409.	-2.	-1.	9.7	3953.	109.	-3.7	-114.	1.520
411893	1.2	13680.	609.	15270.	-52.	-4.	16.3	4.6	-302.	-2.	-1.	9.3	4447.	138.	-2.6	145.	1.531
411893	1.2	15350.	16230.	2497.	-76.	-5.	3.0	-1.5	-999.	-3.	-1.	-2.1	-8244.	-62.	-3.5	151.	-999.000
411894	1.3	10740.	756.	17010.	-45.	-4.	19.5	5.1	-284.	-1.	-1.	11.4	5327.	160.	3.2	120.	4.016
411895	1.3	15040.	679.	17340.	-56.	-4.	19.7	5.5	-333.	-2.	-1.	8.1	5105.	153.	-2.4	172.	2.933
411898	1.2	6091.	343.	11610.	-58.	-5.	12.4	3.4	-339.	-2.	-1.	5.5	3253.	101.	-2.9	-67.	.827
411899	1.3	17440.	644.	12490.	-68.	-5.	16.9	4.5	-347.	-2.	-1.	7.9	3711.	141.	-3.0	106.	3.226
411900	1.2	5070.	324.	4920.	-67.	-5.	7.0	-1.2	-344.	-3.	-1.	4.3	1702.	55.	-3.1	-95.	3.354
411901	1.2	5144.	450.	4447.	-68.	-5.	6.4	-1.2	-403.	-3.	-1.	2.5	1286.	52.	-3.4	-999.	2.381
411902	1.6	15340.	921.	15050.	-59.	-5.	20.2	5.1	-426.	-2.	-1.	10.1	5629.	159.	-2.9	-66.	2.755
411903	1.3	12580.	542.	18290.	-38.	-3.	15.5	4.9	-247.	-1.	-1.	7.5	4454.	134.	-1.8	70.	2.558
411904	1.1	3405.	160.	3338.	-53.	-4.	3.6	-1.0	-246.	-3.	-1.	2.9	1153.	25.	-2.4	-25.	3.049
411905	1.2	7469.	315.	11450.	-51.	-5.	11.7	2.4	-308.	-2.	-1.	5.0	4219.	79.	-2.9	103.	.998
411906	1.3	10580.	587.	13720.	-55.	-5.	19.7	5.7	-333.	-2.	-1.	11.7	4242.	142.	4.6	-60.	2.604
411907	1.4	8714.	1175.	10950.	-54.	-4.	14.2	4.2	-404.	-2.	-1.	8.2	4031.	126.	-2.4	-24.	2.865
411908	1.3	12400.	740.	16530.	-46.	-4.	17.6	5.4	-312.	-1.	-1.	10.7	4791.	122.	4.0	-91.	3.279
411909	1.4	11350.	450.	10970.	-64.	-6.	15.8	4.1	-379.	-2.	-1.	7.6	3334.	118.	-3.7	-143.	2.618
411910	1.2	11420.	535.	18110.	-41.	-4.	16.0	4.4	-278.	-1.	-1.	8.0	5350.	175.	5.2	-47.	2.639

Appendix C. Stream Water Data

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FEET	PH	COND. UMH/CM	SCINT. NET COS	LOGG. COND.
27	410895	63.173	144.792	.940	8.500	80.000	5.000	15.667
27	410897	63.024	144.828	.010	7.900	121.000	4.000	.054
27	410898	63.074	144.794	.650	8.400	84.000	3.000	.910
27	410899	63.074	144.803	.450	7.300	173.000	0.000	2.775
27	410900	63.074	144.819	.210	8.700	117.000	0.000	1.795
27	410910	63.025	144.805	.180	7.600	125.000	4.000	1.880
27	410921	63.024	144.874	.370	8.400	98.000	0.000	3.750
27	410927	63.015	144.804	.270	7.100	63.000	0.000	4.236
27	410931	63.025	144.835	.350	7.600	205.000	6.000	1.707
27	410932	63.026	144.871	.600	7.800	128.000	1.000	4.688
27	410935	63.027	144.431	.010	7.600	98.000	5.000	.102
27	410937	63.018	144.323	.300	5.000	63.000	0.000	4.337
27	410938	63.017	144.304	.230	5.000	30.000	2.000	7.667
27	410939	63.008	144.205	.470	6.400	143.000	2.000	6.783
27	410940	63.011	144.116	.730	7.500	221.000	2.000	1.041
27	410941	63.017	144.133	.230	8.300	143.000	2.000	1.608
27	410942	63.012	144.030	.610	7.300	63.000	3.000	9.683
27	410943	63.015	144.045	.230	6.300	210.000	4.000	1.095
27	410948	63.078	144.177	.310	7.300	31.000	1.000	10.000
27	410998	63.140	144.694	.330	7.500	65.000	0.000	5.077
27	411000	63.141	144.186	.210	7.700	7.000	0.000	30.000
27	411040	63.225	144.127	.010	7.300	112.000	6.000	.089
27	411057	63.239	144.129	.040	7.600	98.000	0.000	.408
27	411048	63.255	144.241	.150	7.300	122.000	12.000	1.230
27	411049	63.261	144.293	.080	7.600	45.000	6.000	1.333
27	411050	63.243	144.327	.080	7.400	45.000	6.000	1.778
27	411070	63.117	144.648	.480	8.300	99.000	0.000	4.848
27	411071	63.099	144.640	1.100	7.600	28.000	0.000	39.286
27	411074	63.062	144.524	.370	8.600	10.000	0.000	37.000
27	411077	63.043	144.327	.270	8.400	59.000	0.000	4.576
27	411078	63.053	144.301	.430	7.500	78.000	6.000	5.443
27	411082	63.080	144.114	.200	8.600	16.000	9.000	12.500
27	411083	63.079	144.175	.450	8.200	80.000	6.000	5.625
27	411084	63.074	144.153	.290	7.200	22.000	3.000	13.182
27	411085	63.079	144.264	.680	8.200	89.000	9.000	.899
27	411086	63.085	144.286	.160	8.200	144.000	9.000	1.250
27	411087	63.096	144.331	.170	9.600	82.000	3.000	2.073
27	411092	63.109	144.381	.080	6.500	6.000	3.000	13.333
27	411093	63.154	144.314	.200	8.200	82.000	6.000	2.439
27	411096	63.141	144.275	.200	7.000	29.000	3.000	6.897
27	411097	63.144	144.160	.290	6.500	114.000	6.000	2.544
27	411104	63.140	144.944	.010	7.800	19.000	3.000	.526
27	411105	63.148	144.862	.610	8.800	0.000	6.000	0.000
27	411106	63.144	144.851	.150	7.200	119.000	6.000	1.261
27	411107	63.142	144.726	.010	8.200	164.000	9.000	.061
27	411108	63.150	144.734	.010	8.500	140.000	0.000	.071
27	411111	63.144	144.638	1.240	8.600	164.000	6.000	7.561
27	411112	63.182	144.846	.570	7.800	119.000	9.000	4.790
27	411115	63.184	144.991	.710	8.600	64.000	6.000	11.094
27	411116	63.195	144.377	1.560	8.200	62.000	6.000	25.161

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DATE	TIME	1000000000	1000000000	1000000000	TIME	1000000000	1000000000	1000000000
27	411117	63.277	145.374	.970	7.575	17.000	0.000	1.778
27	411118	63.151	145.355	.610	7.550	12.000	0.000	.161
27	411124	63.734	146.757	.665	5.750	101.000	0.000	6.468
27	411125	63.150	145.457	.610	5.450	144.000	0.000	.071
27	411129	63.122	146.535	.610	5.300	150.000	3.000	.100
27	411130	63.724	146.313	.760	7.500	42.000	3.000	6.190
27	411137	63.726	146.537	.260	6.475	36.000	3.000	7.222
27	411152	63.224	145.661	.240	6.100	135.000	0.000	2.075
27	411155	63.368	145.799	1.610	7.450	46.000	0.000	40.250
27	411157	63.336	145.766	.575	6.750	5.000	0.000	114.000
27	411158	63.335	145.445	.510	6.100	5.000	0.000	2.000
27	411161	63.292	145.793	.250	7.155	4.000	0.000	62.500
27	411165	63.293	145.924	.010	7.900	20.000	0.000	.500
27	411166	63.309	145.931	.010	6.800	20.000	0.000	.500
27	411167	63.334	145.932	.015	6.400	10.000	0.000	1.000
27	411169	63.298	146.055	.210	5.000	60.000	0.000	3.500
27	411170	63.314	146.067	.150	7.300	5.000	0.000	30.000
27	411171	63.339	146.059	.970	7.400	57.000	0.000	17.018
27	411172	63.335	146.174	.170	7.650	5.000	0.000	34.000
27	411173	63.317	146.180	.450	7.700	91.000	0.000	5.161
27	411174	63.324	146.260	.170	6.500	18.000	0.000	2.500
27	411175	63.310	146.251	.290	6.600	68.000	0.000	4.205
27	411179	63.268	146.291	.010	5.400	12.000	0.000	.833
27	411181	63.360	146.305	.070	7.550	31.000	0.000	.645
27	411185	63.290	146.514	.460	6.800	24.000	0.000	19.167
27	411186	63.271	146.615	.350	6.600	26.000	0.000	13.462
27	411187	63.273	146.650	.350	7.600	3.000	0.000	116.667
27	411188	63.314	146.626	.530	7.500	26.000	0.000	20.385
27	411189	63.325	146.650	.530	7.100	40.000	0.000	11.250
27	411190	63.314	146.700	.380	6.600	40.000	0.000	9.500
27	411192	63.296	146.717	.500	7.500	56.000	0.000	6.929
27	411193	63.272	146.723	1.030	7.900	19.000	0.000	54.211
27	411201	63.233	146.371	.660	5.300	15.000	0.000	57.333
27	411204	63.266	146.466	.150	7.600	42.000	0.000	3.571
27	411205	63.257	146.506	.440	7.400	38.000	0.000	11.579
27	411207	63.248	146.506	.440	6.200	18.000	0.000	24.444
27	411208	63.226	146.612	.290	7.500	45.000	0.000	6.444
27	411209	63.215	146.615	.290	7.600	15.000	0.000	19.333
27	411210	63.186	146.626	.010	7.500	18.000	12.000	.556
27	411212	63.162	146.671	.660	7.700	65.000	12.000	10.118
27	411223	63.036	146.885	.560	7.900	42.000	6.000	13.333
27	411225	63.012	146.984	.190	7.400	13.000	6.000	14.615
27	411226	63.023	146.983	.260	7.400	16.000	12.000	16.250
27	411229	63.063	146.935	.450	7.500	29.000	6.000	15.517
27	411231	63.072	146.848	.470	7.400	40.000	6.000	10.500
27	411239	63.110	146.975	.210	6.200	35.000	6.000	6.000
27	411240	63.117	146.991	.290	6.600	36.000	12.000	8.056
27	411244	63.152	146.999	.290	7.400	16.000	18.000	18.125
27	411245	63.200	146.999	.630	7.300	7.000	12.000	90.000
27	411246	63.208	147.000	.090	7.600	7.000	6.000	12.857

1. HEPES BUFFER WATER

SAMPLE TYPE	SAMPLE NO.	DATE/TIME	LONGITUDE	DEPTH	SW	COND. UMHOS/CM	SCHIT. FET CPS	1000*H/COND.
21	411281	63.223	146.996	.110	7.200	42.000	6.000	2.619
21	411282	63.223	146.991	.290	7.500	45.000	6.000	6.104
21	411284	63.237	146.994	.290	6.000	102.000	0.000	2.745
21	411286	63.222	146.992	.280	5.700	109.000	18.000	2.593
21	411287	63.191	146.991	.120	6.000	105.000	12.000	1.143
21	411288	63.181	146.970	.070	6.000	7.000	12.000	2.857
21	411294	63.179	146.949	.340	6.300	45.000	12.000	8.007
21	411295	63.147	146.912	.340	5.100	28.000	6.000	13.929
21	411296	63.144	146.793	.020	7.900	35.000	6.000	.588
21	411297	63.168	146.734	.140	7.000	46.000	6.000	12.609
21	411298	63.227	146.731	.720	7.000	28.000	6.000	25.715
21	411299	63.246	146.727	.030	7.700	18.000	0.000	1.067
21	411270	63.329	146.628	.530	7.000	20.000	6.000	26.500
21	411272	63.358	146.928	.780	7.100	1.000	12.000	780.000
21	411277	63.454	146.953	.370	7.700	28.000	12.000	13.214
21	411279	63.447	146.975	1.330	7.500	20.000	12.000	66.500
21	411281	63.459	146.981	.350	6.000	29.000	6.000	12.069
21	411282	63.444	146.963	.100	7.600	22.000	12.000	7.273
21	411284	63.427	146.967	.030	7.700	20.000	6.000	1.500
21	411285	63.405	146.916	.210	7.300	75.000	6.000	2.800
21	411286	63.383	146.981	10.130	7.600	65.000	6.000	155.846
21	411287	63.353	146.999	.710	6.800	100.000	6.000	2.100
21	411289	63.307	146.970	.000	7.300	89.000	0.000	.674
21	411295	63.354	146.870	.010	6.000	66.000	6.000	.152
21	411296	63.347	146.818	.010	6.400	72.000	12.000	.139
21	411301	63.354	145.757	.350	7.200	77.000	9.000	4.545
21	411302	63.369	145.763	.050	7.700	67.000	12.000	.746
21	411303	63.394	145.790	.070	7.700	17.000	6.000	4.118
21	411304	63.414	145.802	.200	7.400	18.000	3.000	11.111
21	411305	63.407	145.829	.300	5.700	68.000	12.000	4.412
21	411306	63.416	145.833	.600	5.700	68.000	6.000	8.824
21	411307	63.444	145.849	.600	7.700	145.000	6.000	4.552
21	411308	63.465	145.885	.530	5.300	78.000	9.000	6.795
21	411310	63.510	145.427	5.260	6.200	205.000	18.000	25.659
21	411311	63.552	145.952	.750	7.900	267.000	12.000	2.921
21	411312	63.547	145.987	.600	7.900	264.000	6.000	2.500
21	411313	63.545	146.001	.680	5.700	218.000	12.000	3.119
21	411314	63.538	146.009	1.220	5.700	178.000	0.000	6.854
21	411315	63.572	146.152	.570	9.000	187.000	18.000	3.048
21	411316	63.598	146.175	.450	5.000	40.000	6.000	11.500
21	411317	63.634	146.198	.900	9.600	276.000	6.000	3.261
21	411319	63.641	146.291	.050	9.000	7.000	0.000	7.143
21	411320	63.637	146.324	.570	6.500	10.000	6.000	57.000
21	411323	63.690	146.432	7.110	6.100	278.000	6.000	25.576
21	411324	63.698	146.448	.680	0.000	125.000	12.000	5.440
21	411325	63.684	146.509	1.340	6.600	187.000	6.000	7.166
21	411327	63.688	146.330	.570	6.600	12.000	12.000	47.500
21	411328	63.693	146.289	.110	8.000	11.000	28.000	10.000
21	411329	63.693	146.279	.000	5.300	35.000	0.000	1.714
21	411331	63.664	146.237	.320	6.400	105.000	9.000	3.048

41. DATES STEEL WATER

SAMPLE TIME	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FMS	PS	CASEL UNSATURATED	SCINT. NET COS	1000*H/CORR.
27	411332	63.666	146.157	.210	6.430	25.000	0.000	8.400
27	411333	63.666	146.154	.010	6.050	20.000	28.000	.500
27	411334	63.679	146.134	.320	6.350	2.000	0.000	160.600
27	411339	63.578	145.973	.250	7.450	632.000	12.000	1.076
27	411340	63.596	145.928	.240	6.350	145.000	0.000	2.000
27	411341	63.596	146.070	.640	6.500	77.000	0.000	7.013
27	411342	63.608	146.038	.450	6.100	227.000	3.000	2.115
27	411348	63.635	145.717	.300	5.400	35.000	0.000	8.571
27	411349	63.644	145.697	.990	5.000	142.000	3.000	6.972
27	411350	63.633	145.632	2.720	6.200	145.000	6.000	19.429
27	411351	63.637	145.604	.870	5.400	137.000	6.000	6.350
27	411352	63.620	145.556	1.730	7.100	362.000	0.000	4.779
27	411353	63.576	145.585	2.650	9.500	197.000	3.000	11.604
27	411355	63.551	145.484	.400	7.600	124.000	3.000	3.226
27	411356	63.559	145.449	.830	7.000	212.000	3.000	3.915
27	411358	63.600	145.434	.960	7.400	136.000	0.000	7.059
27	411360	63.573	145.353	.540	7.400	156.000	3.000	3.718
27	411361	63.591	145.296	.720	9.500	17.000	0.000	42.353
27	411362	63.607	145.302	1.010	7.400	113.000	0.000	8.559
27	411363	63.619	145.272	.860	5.600	10.000	0.000	86.000
27	411364	63.639	145.342	2.430	7.000	282.000	3.000	8.617
27	411365	63.648	145.334	3.150	8.000	317.000	3.000	9.937
27	411368	63.598	145.189	3.890	9.000	172.000	0.000	22.616
27	411369	63.584	145.184	1.400	7.400	71.000	3.000	19.718
27	411370	63.569	145.054	3.490	7.100	155.000	3.000	25.097
27	411372	63.552	145.047	2.270	8.900	147.000	0.000	15.442
27	411373	63.574	145.064	5.730	8.000	231.000	3.000	24.405
27	411374	63.496	145.052	5.470	5.000	160.000	6.000	34.188
27	411375	63.569	145.045	2.410	7.400	175.000	0.000	13.771
27	411377	63.530	144.967	1.340	7.700	215.000	6.000	6.233
27	411379	63.569	144.943	.460	7.200	120.000	3.000	3.833
27	411380	63.593	144.963	1.040	7.500	180.000	0.000	5.778
27	411388	63.678	145.199	3.410	7.400	235.000	6.000	14.511
27	411389	63.678	145.257	4.580	8.500	516.000	6.000	8.876
27	411390	63.664	145.274	2.410	7.400	217.000	0.000	11.106
27	411392	63.665	145.403	.040	7.600	78.000	6.000	.513
27	411393	63.662	145.422	.390	9.500	76.000	3.000	5.132
27	411394	63.639	145.455	.310	9.000	230.000	0.000	1.348
27	411399	63.665	145.675	2.080	7.200	281.000	3.000	7.402
27	411400	63.683	145.662	3.900	7.500	218.000	0.000	17.890
27	411401	63.669	145.902	.990	7.900	388.000	3.000	2.552
27	411402	63.669	145.934	1.860	7.800	295.000	12.000	6.081
27	411410	63.940	145.806	2.170	6.100	175.000	0.000	13.257
27	411411	63.965	145.791	2.180	8.100	185.000	0.000	11.784
27	411412	63.996	145.795	1.760	8.200	244.000	0.000	7.213
27	411426	63.810	146.449	.290	7.500	5.000	1.000	56.000
27	411439	63.926	146.981	.300	6.600	17.000	0.000	17.647
27	411442	63.932	146.886	.670	6.600	12.000	5.000	55.833
27	411445	63.974	146.812	.310	7.200	11.000	0.000	28.182
27	411446	63.962	146.777	.100	7.500	7.000	5.000	14.286

MT. HAYES STEEL WATER

SAMPLE ID#	SAMPLE NO.	LATITUDE	LONGITUDE	URANIUM PPM	PH	CND. UMDS/CM	SCINT. NET CPS	1000*U/C-INT.
27	411440	63.928	145.027	.010	7.450	55.000	0.000	.227
27	411441	63.933	145.004	1.220	7.630	102.000	10.000	7.349
27	411442	63.928	145.410	.990	7.850	177.000	12.000	5.537
27	411500	63.910	145.443	.410	7.800	131.000	0.000	3.130
27	411511	63.900	145.702	3.770	7.750	200.000	0.000	18.850
27	411512	63.403	145.708	2.530	8.200	253.000	0.000	10.000
27	411521	63.456	145.710	.780	7.400	38.000	0.000	19.474
27	411522	63.451	145.783	1.610	7.500	66.000	0.000	24.394
27	411523	63.471	145.774	.740	7.500	1.000	0.000	740.000
27	411525	63.507	145.777	.010	7.100	177.000	0.000	.056
27	411526	63.546	145.782	1.390	7.800	1.000	0.000	1390.000
27	411527	63.556	145.739	.080	8.500	11.000	0.000	7.273
27	411528	63.533	145.676	.860	7.900	11.000	0.000	78.182
27	411529	63.559	145.656	.860	8.200	2.000	0.000	430.000
27	411530	63.580	145.724	1.190	7.900	2.000	0.000	295.000
27	411531	63.569	145.661	2.510	7.800	370.000	0.000	6.784
27	411532	63.594	145.641	2.680	0.000	3.000	0.000	893.333
27	411533	63.574	145.837	.830	8.400	135.000	0.000	6.148
27	411536	63.546	145.825	.930	7.800	305.000	0.000	2.721
27	411537	63.613	145.854	.630	8.200	130.000	0.000	4.846
27	411547	63.795	145.719	.350	8.000	187.000	3.000	1.872
27	411548	63.740	145.710	.590	8.000	147.000	3.000	4.014
27	411549	63.849	145.704	1.180	7.800	148.000	3.000	7.973
27	411550	63.852	145.695	.790	8.000	122.000	0.000	6.475
27	411554	63.940	145.653	.010	7.700	10.000	0.000	1.000
27	411567	63.814	145.670	2.600	7.400	24.000	0.000	108.333
27	411572	63.765	145.622	.630	6.500	9.000	0.000	70.000
27	411583	63.734	145.451	1.150	5.900	14.000	7.000	82.143
27	411584	63.726	145.455	.540	6.700	15.000	20.000	36.000
27	411586	63.749	145.534	.320	7.100	12.000	15.000	26.667
27	411620	63.979	144.350	.560	7.300	3.000	0.000	186.667
27	411621	63.994	144.321	.420	5.300	5.000	0.000	84.000
27	411623	63.995	144.193	.330	6.600	44.000	0.000	7.500
27	411624	63.987	144.184	.420	6.600	45.000	0.000	9.333
27	411625	63.974	144.150	.160	7.100	5.000	3.000	32.000
27	411626	63.876	144.011	.010	6.500	32.000	0.000	.313
27	411627	63.862	144.018	.560	7.100	35.000	3.000	16.000
27	411635	63.666	144.027	.450	7.700	236.000	0.000	1.891
27	411644	63.472	144.044	.960	6.500	354.000	0.000	2.712
27	411646	63.405	144.132	1.270	8.400	54.000	0.000	23.519
27	411648	63.386	144.111	.450	8.100	220.000	0.000	2.045
27	411650	63.344	144.010	.450	8.100	166.000	0.000	2.711
27	411651	63.331	144.014	1.110	6.100	191.000	0.000	5.812
27	411652	63.319	144.049	1.130	6.200	110.000	0.000	10.273
27	411653	63.247	144.014	.410	8.000	98.000	0.000	4.184
27	411654	63.173	144.075	.270	7.800	113.000	0.000	2.389
27	411657	63.174	144.095	.040	7.900	60.000	3.000	.667
27	411658	63.164	144.064	.630	7.700	204.000	0.000	3.088
27	411659	63.155	144.104	.100	7.400	173.000	0.000	.578
27	411660	63.161	144.105	.110	7.800	123.000	3.000	.894

MT. BRANT, SOUTHERN MOUNTAIN

DATE	TIME	LATITUDE	LONGITUDE	HEADING	WIND	COND.	SCINT.	LOG. WIND
1941	NO.			DEG	MPH	UNSATURATED	PER CPS	PER HOUR
27	411661	63.155	144.123	4.175	7.400	132.000	0.000	1.288
27	411662	63.156	144.121	4.240	7.200	105.000	3.000	2.762
27	411663	63.211	144.197	7.440	7.400	170.000	0.000	2.500
27	411664	63.220	144.197	4.450	5.100	5.000	3.000	40.000
27	411665	63.233	144.195	1.620	7.400	122.000	9.000	13.279
27	411666	63.253	144.185	1.330	8.100	47.000	0.000	28.298
27	411667	63.263	144.153	1.030	7.400	107.000	0.000	9.622
27	411668	63.274	144.123	2.180	7.200	203.000	0.000	5.645
27	411669	63.287	144.151	1.330	7.400	215.000	0.000	6.215
27	411670	63.288	144.179	1.330	7.400	200.000	0.000	1.650
27	411671	63.303	144.099	1.250	8.100	155.000	0.000	1.113
27	411672	63.306	144.089	1.960	7.400	319.000	0.000	1.009
27	411673	63.315	144.115	1.230	7.400	210.000	3.000	3.952
27	411674	63.444	144.111	1.460	7.400	265.000	9.000	1.509
27	411675	63.453	144.091	1.960	7.200	120.000	1.000	0.000
27	411676	63.491	144.111	1.740	5.000	221.000	0.000	3.348
27	411677	63.493	144.131	1.740	5.000	180.000	0.000	5.111
27	411678	63.496	144.170	1.170	7.400	216.000	0.000	5.417
27	411679	63.616	144.487	1.440	7.300	38.000	1.000	12.895
27	411680	63.540	144.473	1.810	7.500	41.000	3.000	19.756
27	411681	63.562	144.481	1.090	7.300	9.000	1.000	787.778
27	411682	63.549	144.412	1.970	7.500	33.000	1.000	29.394
27	411683	63.525	144.445	1.230	7.200	20.000	3.000	161.500
27	411684	63.510	144.439	2.580	7.100	85.000	0.000	89.176
27	411685	63.510	144.417	1.070	7.500	145.000	3.000	41.862
27	411686	63.796	144.608	5.310	6.200	100.000	0.000	43.100
27	411687	63.859	144.766	1.770	6.600	154.000	5.000	11.203
27	411688	63.885	144.761	1.610	5.500	153.000	5.000	10.523
27	411689	63.881	144.750	3.060	6.200	150.000	3.000	20.400
27	411690	63.946	144.397	1.490	7.400	60.000	0.000	6.125
27	411691	63.104	144.347	2.180	6.500	88.000	6.000	24.773
27	411692	63.611	144.346	1.380	7.800	130.000	0.000	10.615
27	411693	63.659	144.261	2.760	6.500	23.000	6.000	120.000
27	411694	63.590	144.196	1.370	7.300	65.000	0.000	5.692
27	411695	63.616	144.629	1.660	6.200	120.000	6.000	5.500
27	411696	63.631	144.634	2.240	6.100	116.000	9.000	19.310
27	411697	63.640	144.645	1.450	6.400	118.000	3.000	3.614
27	411698	63.535	144.814	2.510	7.500	126.000	0.000	20.714
27	411699	63.517	144.814	4.660	7.300	2.000	0.000	2330.000
27	411700	63.508	144.813	3.070	7.500	80.000	0.000	38.375
27	411701	63.485	144.736	3.610	7.500	123.000	6.000	31.382
27	411702	63.484	144.718	1.450	7.600	80.000	6.000	18.125
27	411703	63.480	144.818	1.450	7.500	180.000	9.000	8.056
27	411704	63.474	144.811	1.730	7.600	120.000	0.000	6.083
27	411705	63.425	144.833	2.650	6.500	130.000	4.000	15.769
27	411706	63.433	144.844	1.330	6.600	130.000	4.000	10.231
27	411707	63.469	144.841	1.080	6.000	2.000	0.000	540.000
27	411708	63.466	144.863	2.570	6.600	120.000	3.000	21.417
27	411709	63.677	144.791	10.980	6.000	257.000	0.000	42.724
27	411710	63.716	144.681	1.340	9.200	175.000	3.000	7.657

MT. CATES STRAIN #4116

SAMPLE ID#	SAMPLE NO.	CALITIME	LONGITUDE	SPACING FEET	+	CONC. DENSITY	SCHOL. SET POS	1000*H*CONC.
27	411854	63.734	146.756	5.330	1.000	278.000	3.000	22.770
27	411855	63.736	146.755	12.600	1.000	270.000	1.000	62.444
27	411856	63.737	146.753	4.800	6.000	348.000	4.000	13.793
27	411857	63.739	146.752	1.000	6.000	72.000	7.000	1.250
27	411858	63.724	146.814	1.450	4.250	278.000	1.000	1.630
27	411859	63.762	146.362	1.710	7.000	2.000	0.000	105.000
27	411860	63.754	146.342	1.440	4.350	120.000	0.000	.333
27	411863	63.747	146.501	1.000	7.450	17.000	6.000	8.333
27	411864	63.764	146.539	1.000	4.250	23.000	9.000	3.913
27	411886	63.776	146.759	1.400	7.050	2.000	6.000	430.000
27	411859	63.776	146.720	1.000	2.700	220.000	1.000	8.455
27	411890	63.762	146.836	1.130	7.100	21.000	4.000	53.810
27	411891	63.759	146.921	5.310	7.450	320.000	3.000	16.594
27	411892	63.755	146.948	2.720	7.250	125.000	0.000	21.760
27	411893	63.767	146.973	7.400	6.000	153.000	4.000	48.366
27	411894	63.760	146.998	1.390	5.850	53.000	7.000	7.358
27	411901	63.499	144.401	1.000	7.700	51.000	0.000	.980
27	411902	63.483	144.479	1.400	6.700	51.000	3.000	4.608
27	411903	63.491	144.396	6.130	5.400	30.000	1.000	204.333
27	411904	63.493	144.374	2.260	5.800	36.000	1.000	62.776
27	411905	63.432	144.392	2.740	7.000	33.000	1.000	63.030
27	411906	63.435	144.463	7.260	7.100	12.000	4.000	605.000
27	411907	63.430	144.478	1.000	7.300	33.000	1.000	1.815
27	411908	63.389	144.514	1.190	7.000	34.000	1.000	5.582
27	411909	63.392	144.501	3.500	7.000	19.000	1.000	203.158
27	411910	63.403	144.430	2.820	7.500	54.000	3.000	52.963
27	411911	63.395	144.565	1.150	7.700	134.000	12.000	8.582
27	411912	63.367	144.570	3.000	7.700	128.000	15.000	23.438
27	411913	63.362	144.612	6.300	6.250	229.000	0.000	27.773
27	411914	63.365	144.630	2.280	8.500	6.000	3.000	380.000
27	411915	63.332	144.638	1.680	8.100	237.000	3.000	7.089
27	411916	63.356	144.652	1.470	4.400	1.000	0.000	470.000
27	411917	63.352	144.673	1.380	6.100	176.000	3.000	7.841
27	411918	63.371	144.501	.770	8.300	8.000	3.000	96.250
27	411919	63.375	144.473	.490	6.300	7.000	9.000	70.000
27	411920	63.384	144.428	1.740	8.100	26.000	3.000	62.143
27	411921	63.390	144.377	3.130	6.200	43.000	3.000	72.791
27	411922	63.389	144.353	1.740	6.700	43.000	9.000	40.465
27	411923	63.391	144.333	3.760	8.200	43.000	9.000	87.442
27	411924	63.272	144.483	.490	6.300	6.000	6.000	81.667
27	411925	63.259	144.463	.670	6.000	50.000	0.000	17.400
27	411926	63.264	144.509	2.720	8.300	1.000	0.000	2720.000
27	411927	63.286	144.442	1.540	6.200	79.000	0.000	19.494
27	411928	63.267	144.429	.700	7.900	178.000	0.000	3.932
27	411929	63.276	144.382	1.540	8.200	44.000	4.000	35.000
27	411930	63.294	144.375	.870	6.100	63.000	3.000	10.492
27	411931	63.286	144.350	1.150	6.200	68.000	3.000	13.068
27	411932	63.294	144.301	.520	5.200	28.000	6.000	29.286
27	411933	63.304	144.332	3.120	3.500	367.000	0.000	10.163
27	411934	63.300	144.269	1.150	6.300	72.000	3.000	15.972

MT. HATES STREAM WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	URANIUM PPB	PH	COND. UMH/CM	SCINT. NET CPS	1000*U/COND.
27	411925	63.313	144.231	.230	6.000	200.000	0.000	.743
27	411930	63.301	144.209	.820	6.200	381.000	3.000	2.152
27	411937	63.275	144.177	2.350	6.400	123.000	3.000	19.106
27	411938	63.375	144.241	1.030	6.600	77.000	0.000	13.177
27	411939	63.375	144.319	1.180	7.200	183.000	9.000	6.252
27	411940	63.413	144.258	1.620	6.200	60.000	0.000	27.000
27	411941	63.428	144.273	2.010	6.200	55.000	0.000	35.545
27	411942	63.432	144.241	2.010	6.100	170.000	5.000	11.826
27	411943	63.434	144.198	1.540	6.200	93.000	3.000	16.559
27	411944	63.419	144.173	1.780	6.100	133.000	0.000	13.381
27	411945	63.473	144.227	.010	6.100	23.000	0.000	.635
27	411946	63.444	144.220	.010	7.500	2.000	0.000	5.000
27	411947	63.459	144.288	.290	7.500	3.000	0.000	96.667
27	411948	63.734	144.012	.350	6.300	180.000	0.000	2.111
27	411961	63.727	144.061	1.590	7.300	150.000	0.000	8.778
27	411966	63.700	144.408	1.470	6.300	68.000	0.000	21.616

Appendix D. Lake Water Data

Appendix D. Lake Water Data

VI. 1975 LAKE DATA

SAMPLE TIME	SAMPLE NO.	LATITUDE	LONGITUDE	OPERATION DEG	PH	COND. UMHOS/CM	SCINT. NET CPS	1000PH/COND.
24	410471	63.605	146.520	.490	6.400	3.000	0.000	163.333
24	410472	63.614	146.506	.840	6.500	17.000	0.000	27.647
24	410473	63.624	146.472	.010	6.600	24.000	0.000	.417
24	410474	63.615	146.424	.010	6.700	44.000	0.000	.227
24	410475	63.622	146.344	.610	7.100	2.000	0.000	5.000
24	410476	63.614	146.331	.010	7.200	2.000	0.000	5.000
24	410477	63.632	146.264	.020	7.100	1.000	0.000	10.000
24	410478	63.632	146.235	.010	6.500	2.000	0.000	5.000
24	410479	63.620	146.181	.010	6.800	1.000	0.000	10.000
24	410480	63.611	146.141	.010	6.800	2.000	0.000	5.000
24	410481	63.640	146.062	.010	6.500	32.000	0.000	.313
24	410482	63.614	146.026	.010	6.700	44.000	0.000	.227
24	410483	63.641	145.996	.020	6.900	48.000	0.000	.417
24	410484	63.619	145.926	.220	7.200	42.000	0.000	5.238
24	410485	63.632	145.897	1.010	7.300	85.000	0.000	11.862
24	410486	63.630	145.750	.540	7.500	39.000	0.000	15.128
24	410487	63.621	145.755	.590	7.700	1.000	0.000	590.000
24	410488	63.611	145.762	.200	7.500	21.000	0.000	9.524
24	410489	63.608	145.723	.730	7.500	25.000	0.000	29.200
24	410490	63.603	145.696	.440	7.600	2.000	0.000	220.000
24	410491	63.605	145.608	.010	7.600	5.000	0.000	2.000
24	410492	63.613	145.555	.010	7.600	2.000	0.000	5.000
24	410493	63.607	145.527	.010	7.100	1.000	0.000	10.000
24	410494	63.620	145.517	.610	6.600	61.000	0.000	.123
24	410495	63.122	144.411	.030	7.500	8.000	0.000	3.750
24	410496	63.605	145.013	.050	6.400	5.000	0.000	16.000
24	410497	63.603	145.037	1.770	7.300	6.000	0.000	295.000
24	410498	63.602	145.086	.310	8.400	40.000	0.000	7.750
24	410499	63.603	145.108	.650	8.200	27.000	0.000	1.111
24	410500	63.630	145.404	1.220	7.800	4.000	0.000	305.000
24	410501	63.627	145.393	.310	7.600	5.000	0.000	62.000
24	410502	63.627	145.339	.010	7.300	36.000	0.000	.278
24	410503	63.633	145.196	.010	8.300	20.000	0.000	.500
24	410504	63.631	145.170	.010	7.900	21.000	0.000	.476
24	410505	63.633	145.120	.030	8.300	6.000	0.000	5.000
24	410506	63.632	145.097	.040	7.800	3.000	0.000	13.333
24	410507	63.622	145.024	.370	7.500	3.000	0.000	123.333
24	410508	63.621	144.998	.270	7.300	2.000	0.000	135.000
24	410509	63.615	144.874	.360	6.900	22.000	0.000	16.364
24	410510	63.621	144.815	.010	7.300	3.000	0.000	3.333
24	410511	63.619	144.736	.180	7.200	3.000	0.000	60.000
24	410512	63.620	144.704	.260	6.700	1.000	0.000	260.000
24	410513	63.608	144.536	.430	6.500	121.000	0.000	3.554
24	410514	63.623	144.515	1.550	8.200	112.000	0.000	13.639
24	410515	63.607	144.374	.010	8.000	11.000	0.000	.909
24	410516	63.601	144.717	.010	8.200	8.000	0.000	1.250
24	410517	63.606	144.702	.240	8.700	6.000	0.000	40.000
24	410518	63.608	145.176	.360	7.600	7.000	0.000	51.429
24	410519	63.605	146.653	.230	6.800	46.000	0.000	5.000
24	410520	63.603	146.436	1.230	8.700	32.000	0.000	38.438

REF. HATES DATE WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FMS	SN	COND. UMHRS/CM	SEINT. FEI CPS	1000*H/COND.
29	410951	63.061	145.559	.080	5.800	8.000	0.000	7.500
29	410952	63.064	145.668	.230	4.400	9.000	0.000	25.555
29	410953	63.065	145.670	.030	4.500	19.000	0.000	1.579
29	410954	63.060	145.700	.010	4.200	54.000	0.000	.172
29	410955	63.068	145.792	.010	6.300	76.000	0.000	.132
29	410956	63.068	145.810	.200	4.500	19.000	0.000	10.526
29	410957	63.062	145.860	.010	4.300	37.000	0.000	.270
29	410958	63.064	145.884	.010	6.200	40.000	0.000	.250
29	410959	63.067	145.959	.010	5.700	50.000	0.000	.200
29	410960	63.065	146.003	.010	6.900	9.000	0.000	1.111
29	410961	63.062	146.039	.030	6.300	42.000	0.000	.714
29	410962	63.073	146.090	.020	6.300	7.000	0.000	2.857
29	410963	63.064	146.138	.010	6.000	42.000	0.000	.238
29	410964	63.060	146.178	.340	6.500	5.000	0.000	68.000
29	410965	63.074	146.218	.740	6.000	10.000	0.000	74.000
29	410966	63.067	146.291	.930	7.200	17.000	0.000	54.706
29	410967	63.061	146.329	.430	7.500	5.000	0.000	60.000
29	410968	63.065	146.354	.850	7.100	17.000	0.000	50.000
29	410969	63.051	146.413	.410	7.600	4.000	0.000	102.500
29	410970	63.059	146.448	1.130	7.500	5.000	0.000	226.000
29	410971	63.065	146.496	.990	7.400	52.000	0.000	19.038
29	410972	63.071	146.524	.410	7.900	20.000	0.000	20.500
29	410973	63.095	146.531	.070	7.500	66.000	0.000	1.061
29	410974	63.107	146.537	.100	7.600	104.000	0.000	.962
29	410975	63.116	146.436	.050	8.500	6.000	0.000	8.333
29	410976	63.107	146.408	.320	6.200	4.000	0.000	80.000
29	410977	63.110	146.376	.030	8.000	4.000	0.000	7.500
29	410978	63.105	146.339	.370	7.600	8.000	0.000	40.000
29	410979	63.104	146.296	.190	7.600	12.000	0.000	15.833
29	410980	63.097	146.243	.410	7.700	4.000	0.000	102.500
29	410981	63.105	146.196	.190	7.700	5.000	0.000	38.000
29	410982	63.107	146.171	.020	7.400	4.000	0.000	5.000
29	410983	63.101	146.102	.190	6.800	46.000	0.000	4.130
29	410984	63.097	146.061	.010	7.300	14.000	0.000	.714
29	410985	63.094	145.976	3.170	6.900	76.000	0.000	41.711
29	410986	63.111	145.980	.720	7.300	54.000	0.000	13.333
29	410987	63.104	145.945	.720	7.800	32.000	0.000	22.500
29	410988	63.096	145.853	.050	7.800	16.000	0.000	3.125
29	410989	63.095	145.796	.520	7.700	12.000	0.000	43.333
29	410990	63.093	145.743	.010	7.400	35.000	0.000	.286
29	410991	63.078	145.593	.230	7.800	21.000	0.000	10.952
29	410992	63.062	145.527	1.010	7.600	20.000	0.000	50.500
29	410993	63.095	145.559	.010	8.100	5.000	0.000	2.000
29	410994	63.123	145.588	.230	7.300	40.000	0.000	5.750
29	410995	63.143	145.609	.010	7.600	15.000	0.000	.667
29	410996	63.154	145.621	.010	7.600	8.000	0.000	1.250
29	410997	63.150	145.669	.430	7.300	46.000	0.000	9.348
29	410999	63.147	145.792	.010	8.200	8.000	0.000	1.250
29	411000	63.158	145.797	.330	6.000	5.000	0.000	66.000
29	411001	63.161	145.850	.030	7.400	22.000	0.000	1.364

MT. WATTS LAKE WATER

SAMPLE TIME	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FPA	SH	COND. UMHSCM	SCINT. NET CPS	1000*H/COND.
29	411002	63.154	145.904	.450	7.400	27.000	0.000	17.778
29	411003	63.157	145.947	.610	7.500	31.000	0.000	.323
29	411005	63.187	145.987	.210	7.500	15.000	0.000	14.000
29	411005	63.189	146.055	.010	7.500	21.000	0.000	.476
29	411006	63.172	146.074	.010	7.500	22.000	0.000	.455
29	411007	63.163	146.101	.030	7.500	15.000	0.000	2.143
29	411009	63.148	146.221	.160	7.500	9.000	0.000	17.778
29	411010	63.167	146.223	.160	7.500	16.000	0.000	10.000
29	411011	63.172	146.265	.370	7.500	9.000	0.000	41.111
29	411012	63.181	146.356	.160	7.300	13.000	0.000	12.308
29	411013	63.172	146.376	.420	7.400	9.000	0.000	46.667
29	411014	63.155	146.391	.420	7.300	7.000	0.000	60.000
29	411015	63.157	146.460	.090	7.600	28.000	0.000	3.214
29	411016	63.144	146.519	.500	7.600	161.000	0.000	4.950
29	411017	63.155	146.543	.200	8.000	107.000	0.000	1.869
29	411018	63.185	146.540	.350	8.300	95.000	0.000	3.571
29	411019	63.189	146.513	.080	9.200	63.000	0.000	1.270
29	411020	63.198	146.439	.200	9.300	13.000	0.000	15.385
29	411021	63.200	146.422	.010	8.700	15.000	0.000	.667
29	411022	63.193	146.379	.020	8.600	4.000	0.000	5.000
29	411023	63.191	146.354	.310	8.100	3.000	0.000	103.333
29	411024	63.191	146.289	.310	8.000	16.000	0.000	19.375
29	411025	63.185	146.230	.310	7.700	12.000	0.000	25.833
29	411026	63.182	146.156	.010	7.700	17.000	0.000	.588
29	411027	63.193	146.121	.270	8.100	10.000	0.000	27.000
29	411028	63.190	146.080	.270	7.800	4.000	0.000	67.500
29	411029	63.200	145.948	.010	7.500	19.000	0.000	.526
29	411030	63.192	145.889	.020	7.300	95.000	0.000	.211
29	411031	63.205	145.872	.010	8.000	41.000	0.000	.244
29	411032	63.197	145.788	.010	7.900	54.000	0.000	.185
29	411033	63.190	145.755	.690	7.600	43.000	0.000	16.047
29	411034	63.197	145.678	.560	7.500	24.000	0.000	23.333
29	411035	63.191	145.679	.560	7.600	0.000	0.000	0.000
29	411036	63.179	145.579	.460	8.000	16.000	0.000	28.750
29	411037	63.221	145.674	.420	8.000	22.000	0.000	19.091
29	411038	63.227	145.750	.290	8.000	30.000	0.000	9.333
29	411039	63.227	145.788	.010	7.800	27.000	0.000	.370
29	411040	63.240	145.849	.330	8.400	58.000	0.000	5.690
29	411041	63.237	145.891	.010	7.800	76.000	0.000	.132
29	411042	63.231	145.940	.190	7.500	60.000	0.000	3.167
29	411043	63.238	145.978	.190	7.900	6.000	0.000	31.667
29	411044	63.256	146.039	.040	7.600	131.000	0.000	.305
29	411045	63.243	146.097	.030	7.600	30.000	0.000	1.000
29	411051	63.071	145.467	.080	5.800	13.000	0.000	6.154
29	411052	63.054	145.395	.410	7.200	2.000	0.000	205.000
29	411053	63.074	145.379	.410	7.000	6.000	0.000	68.333
29	411054	63.069	145.306	.280	7.200	6.000	0.000	46.667
29	411055	63.050	145.275	.280	6.800	7.000	0.000	40.000
29	411056	63.096	145.320	.320	6.900	21.000	0.000	15.238
29	411057	63.111	145.298	.050	7.200	6.000	0.000	8.333

41. HAYES LAKE AREA

SAMPLE ID#	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FTH	WIND DIR	WIND SPEED	SEINT. MET CPS	1000*WIND
29	411055	63.114	145.214	.350	7.500	7.000	0.000	50.000
29	411056	63.096	145.140	.200	7.450	17.000	0.000	11.765
29	411056	63.114	145.174	.070	8.000	7.000	0.000	2.857
29	411061	63.097	145.092	.020	7.200	7.000	0.000	2.857
29	411062	63.114	145.027	.200	6.450	7.000	0.000	28.571
29	411063	63.090	145.001	.400	7.100	8.000	0.000	50.000
29	411064	63.101	144.915	.270	6.000	47.000	0.000	5.745
29	411065	63.122	144.874	.150	7.000	9.000	0.000	20.000
29	411066	63.105	144.821	.010	5.000	32.000	0.000	.313
29	411067	63.118	144.801	.270	7.000	10.000	0.000	27.000
29	411068	63.115	144.713	.370	7.700	58.000	0.000	5.317
29	411069	63.105	144.687	.450	7.000	26.000	0.000	18.462
29	411072	63.061	144.656	.520	8.000	45.000	0.000	11.304
29	411073	63.055	144.603	.710	6.200	265.000	0.000	.792
29	411075	63.039	144.469	.070	6.200	12.000	0.000	1.667
29	411076	63.056	144.416	.270	5.000	5.000	0.000	54.000
29	411079	63.041	144.211	.020	7.300	6.000	0.000	3.333
29	411080	63.044	144.175	.270	7.000	29.000	0.000	9.310
29	411081	63.043	144.114	.010	7.700	40.000	0.000	15.250
29	411084	63.096	144.374	.070	6.200	62.000	0.000	.854
29	411089	63.049	144.448	.180	6.100	5.000	0.000	36.000
29	411090	63.081	144.495	1.380	9.000	6.000	0.000	230.000
29	411091	63.118	145.375	.160	7.000	6.000	0.000	30.000
29	411094	63.148	145.355	.200	6.000	3.000	0.000	66.667
29	411095	63.151	145.275	.090	7.100	3.000	0.000	26.667
29	411098	63.151	145.163	.250	7.500	29.000	0.000	6.497
29	411099	63.149	145.108	.200	7.200	29.000	0.000	6.897
29	411100	63.141	145.098	1.010	7.500	32.000	0.000	31.563
29	411101	63.152	145.036	.420	6.900	4.000	0.000	115.000
29	411102	63.139	145.029	.010	7.700	34.000	0.000	.294
29	411103	63.149	144.954	.580	7.000	26.000	0.000	22.308
29	411109	63.137	144.718	.670	7.700	61.000	0.000	10.984
29	411110	63.138	144.627	.950	7.000	3.000	0.000	316.667
29	411113	63.188	144.842	.710	9.400	160.000	0.000	4.438
29	411114	63.191	144.902	.850	8.200	97.000	0.000	8.763
29	411114	63.061	146.567	.010	7.000	17.000	0.000	.588
29	411120	63.056	146.669	.030	6.400	16.000	0.000	1.875
29	411121	63.054	146.744	.290	5.000	15.000	0.000	19.333
29	411122	63.034	146.515	.200	5.900	13.000	0.000	15.385
29	411123	63.720	146.610	.030	7.900	47.000	0.000	.638
29	411125	63.051	146.355	.010	8.000	8.000	0.000	1.250
29	411126	63.015	146.258	.010	8.400	4.000	0.000	2.500
29	411127	63.048	146.165	.010	6.400	4.000	0.000	2.500
29	411130	63.119	146.527	.010	6.000	100.000	0.000	.100
29	411131	63.727	145.949	.010	7.400	24.000	0.000	.417
29	411132	63.713	146.040	.010	7.400	20.000	0.000	.500
29	411133	63.712	146.121	.010	7.000	23.000	0.000	.435
29	411134	63.721	146.220	.010	7.200	42.000	0.000	.238
29	411135	63.719	146.251	.010	7.100	42.000	0.000	.238
29	411138	63.712	146.449	.010	6.700	38.000	0.000	.263

ST. LOUIS LEVEE WATER

SAMPLE TYPE	SAMPLE NO.	LAITITUD	LONGITUD	DEPTH FTH	PK	COND. UNDESSZD	SCINT. NET C/S	LOGS*0.0000
24	411129	63.719	145.531	.250	6.750	43.000	0.000	5.306
24	411130	63.705	145.533	.510	9.000	25.000	0.000	8.415
24	411131	63.134	145.521	.010	5.750	9.000	0.000	1.111
24	411132	63.158	145.517	.010	7.750	238.000	0.000	.042
24	411134	63.275	145.859	.010	7.500	145.000	0.000	.069
24	411136	63.310	145.738	.010	4.100	70.000	0.000	.132
24	411139	63.314	145.902	.010	7.500	45.000	0.000	.222
24	411160	63.350	145.875	.180	4.000	25.000	0.000	7.200
24	411172	63.268	145.814	.300	7.400	170.000	0.000	1.765
24	411173	63.273	145.899	.300	8.400	40.000	0.000	6.522
24	411164	63.270	145.439	.010	6.200	60.000	0.000	.167
24	411165	63.292	146.034	.020	6.200	54.000	0.000	.370
24	411176	63.295	146.238	.170	6.500	5.000	0.000	34.000
24	411177	63.295	146.164	.010	5.700	22.000	0.000	.455
24	411178	63.273	146.193	.250	7.400	69.000	0.000	2.941
24	411180	63.285	146.330	.170	8.000	12.000	0.000	14.167
24	411182	63.290	146.428	.700	8.000	15.000	0.000	13.333
24	411163	63.270	146.483	.350	7.700	22.000	0.000	15.909
24	411184	63.331	146.505	.700	7.600	161.000	0.000	4.720
24	411191	63.311	146.754	.250	7.400	20.000	0.000	8.929
24	411202	63.245	146.412	1.150	8.300	4.000	0.000	287.500
24	411203	63.239	146.456	.580	8.300	10.000	0.000	58.000
24	411206	63.240	146.540	.940	8.000	26.000	0.000	36.154
24	411211	63.164	146.635	3.350	8.300	53.000	0.000	63.962
24	411213	63.129	146.651	1.030	7.900	25.000	0.000	41.200
24	411214	63.106	146.613	.630	7.600	21.000	0.000	1.429
24	411215	63.643	146.652	1.250	7.500	12.000	0.000	100.000
24	411216	63.057	146.601	.690	7.700	13.000	0.000	6.154
24	411217	63.041	146.626	.630	7.700	11.000	0.000	2.727
24	411218	63.017	146.849	.580	7.300	4.000	0.000	145.000
24	411219	63.032	146.707	.340	6.800	4.000	0.000	85.000
24	411220	63.011	146.739	.640	6.600	4.000	0.000	10.000
24	411221	63.031	146.803	.060	6.700	2.000	0.000	30.000
24	411222	63.035	146.838	1.550	6.600	1.000	0.000	1550.000
24	411224	63.017	146.924	.760	6.600	24.000	0.000	10.833
24	411227	63.049	146.994	.400	7.800	35.000	0.000	11.429
24	411228	63.068	146.961	.670	6.000	26.000	0.000	2.692
24	411230	63.059	146.894	.270	8.000	3.000	0.000	90.000
24	411232	63.064	146.824	.270	7.600	14.000	0.000	19.206
24	411233	63.074	146.758	.060	7.560	8.000	0.000	7.500
24	411234	63.073	146.709	1.100	7.700	65.000	0.000	16.923
24	411235	63.101	146.798	.740	8.300	6.000	0.000	131.667
24	411236	63.108	146.850	1.570	7.400	3.000	0.000	523.333
24	411237	63.095	146.898	1.100	6.750	7.000	0.000	157.143
24	411238	63.104	146.934	1.100	6.600	5.000	0.000	220.000
24	411241	63.139	146.929	.130	7.400	28.000	0.000	4.643
24	411242	63.150	146.932	.630	6.400	162.000	0.000	3.889
24	411243	63.151	146.979	.760	6.500	71.000	0.000	10.986
24	411251	63.204	146.928	.780	9.700	102.000	0.000	2.745
24	411257	63.092	146.731	.040	8.400	2.000	0.000	20.000

STATION DATA SHEET

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FATH	WIND KTS	COND. UNSATURATED	ST INT. NET CSS	1000 FT COND.
24	411257	63.114	146.740	.010	7.200	26.000	0.000	.152
24	411259	63.116	146.719	.250	7.700	39.000	0.000	5.128
24	411261	63.116	146.745	.340	5.400	64.000	0.000	5.313
24	411262	63.213	146.725	.200	6.500	8.000	0.000	25.000
24	411264	63.230	146.744	.250	7.500	56.000	0.000	6.429
24	411265	63.246	146.749	.530	7.500	65.000	0.000	8.154
24	411267	63.271	146.803	.230	7.500	53.000	0.000	4.340
24	411268	63.292	146.828	.230	7.400	38.000	0.000	6.053
24	411269	63.311	146.801	.530	7.300	92.000	0.000	5.761
24	411271	63.339	146.912	.170	7.500	22.000	0.000	7.727
24	411273	63.379	146.881	.340	6.400	46.000	0.000	7.391
24	411274	63.400	146.888	.130	6.000	112.000	0.000	1.161
24	411275	63.409	146.936	.340	7.700	58.000	0.000	5.862
24	411276	63.441	146.906	.230	7.600	12.000	0.000	19.167
24	411278	63.487	146.951	.410	6.800	29.000	0.000	21.034
24	411280	63.486	146.994	.060	7.200	49.000	0.000	1.633
24	411283	63.463	146.909	.010	7.600	22.000	0.000	.455
24	411288	63.333	146.981	.060	7.600	125.000	0.000	.640
24	411290	63.306	146.981	.540	7.600	13.000	0.000	41.538
24	411291	63.272	146.986	.200	7.600	22.000	0.000	9.091
24	411292	63.291	146.938	.230	6.000	56.000	0.000	4.107
24	411293	63.303	146.932	.650	7.600	30.000	0.000	21.667
24	411294	63.322	146.937	.200	7.800	22.000	0.000	9.091
24	411297	63.314	146.490	.010	6.700	32.000	0.000	.313
24	411298	63.316	146.503	.200	7.000	33.000	0.000	6.061
24	411299	63.331	146.596	.200	7.200	25.000	0.000	8.000
24	411300	63.325	146.604	.270	7.600	18.000	0.000	15.000
24	411309	63.496	145.913	3.080	6.200	308.000	0.000	10.000
24	411315	63.465	146.071	.340	7.800	35.000	0.000	9.714
24	411316	63.658	146.056	.520	7.700	19.000	0.000	29.474
24	411317	63.633	146.067	.680	7.700	92.000	0.000	7.391
24	411318	63.616	146.013	.230	7.700	174.000	0.000	1.322
24	411343	63.640	145.983	.100	6.800	98.000	0.000	1.020
24	411344	63.620	145.959	.270	6.000	192.000	0.000	1.406
24	411345	63.671	145.789	.110	6.800	17.000	0.000	6.471
24	411346	63.676	145.716	.140	6.400	14.000	0.000	10.000
24	411347	63.646	145.781	.010	7.400	19.000	0.000	.526
24	411353	63.581	145.436	.690	6.500	38.000	0.000	18.158
24	411359	63.589	145.356	.100	7.900	76.000	0.000	1.316
24	411366	63.619	145.199	1.260	7.400	20.000	0.000	63.000
24	411367	63.616	145.157	.330	6.700	12.000	0.000	27.500
24	411371	63.574	145.657	1.540	7.500	267.000	0.000	5.760
24	411376	63.512	144.977	5.330	6.000	35.000	0.000	152.286
24	411378	63.551	144.955	.170	7.400	214.000	0.000	.794
24	411381	63.628	145.007	.030	6.200	66.000	0.000	.455
24	411382	63.648	145.013	.350	7.500	56.000	0.000	6.250
24	411383	63.641	145.065	.580	7.400	42.000	0.000	13.810
24	411384	63.635	145.044	.440	7.200	73.000	0.000	6.027
24	411385	63.653	145.059	1.040	7.500	44.000	0.000	24.545
24	411386	63.685	145.064	.550	7.500	84.000	0.000	6.548

ST. MARYS LAKE WATER

DATE	SAMPLE NO.	LATITUDE	LONGITUDE	PREMIUM PER	PH	CASH DEDUCTION	SCINT. NET CPS	10000/HOUR
24	411307	63.691	145.143	.220	7.500	84.000	0.000	2.419
24	411308	63.676	145.130	.150	7.400	140.000	0.000	.947
24	411309	63.624	145.475	.510	8.250	19.000	0.000	26.842
24	411310	63.672	145.445	.100	7.600	15.000	0.000	6.667
24	411397	63.661	145.549	.420	7.750	12.000	0.000	35.000
24	411398	63.650	145.592	.300	7.400	14.000	0.000	21.429
24	411403	63.757	145.869	.410	7.200	43.000	0.000	9.535
24	411404	63.780	145.821	1.530	7.500	31.000	0.000	49.355
24	411405	63.811	145.829	.410	7.500	65.000	0.000	6.212
24	411406	63.844	145.799	.150	7.500	24.000	0.000	5.357
24	411407	63.860	145.605	.170	7.200	50.000	0.000	3.036
24	411408	63.879	145.805	.410	7.200	69.000	0.000	5.942
24	411409	63.899	145.810	.270	8.400	113.000	0.000	2.389
24	411413	63.892	146.168	.700	8.700	141.000	0.000	4.965
24	411414	63.870	146.177	.180	9.000	124.000	0.000	.978
24	411415	63.812	146.229	.400	8.300	27.000	0.000	14.815
24	411416	63.793	146.254	.400	8.300	21.000	0.000	19.048
24	411417	63.819	146.321	.700	7.700	15.000	0.000	46.667
24	411418	63.794	146.344	.410	7.700	26.000	0.000	17.692
24	411419	63.792	146.429	.690	7.300	17.000	0.000	40.588
24	411421	63.778	146.509	.250	6.600	4.000	0.000	70.000
24	411422	63.813	146.514	.420	6.500	3.000	0.000	140.000
24	411423	63.795	146.593	.010	5.400	3.000	0.000	3.333
24	411424	63.795	146.658	.570	6.100	7.000	0.000	81.429
24	411425	63.798	146.707	.600	6.300	5.000	0.000	120.000
24	411426	63.808	146.737	.600	6.300	6.000	0.000	100.000
24	411427	63.797	146.814	.450	7.500	4.000	0.000	112.500
24	411428	63.813	146.826	.120	6.600	4.000	5.000	30.000
24	411429	63.804	146.903	.100	6.400	4.000	0.000	25.000
24	411430	63.819	146.906	.100	6.700	12.000	0.000	8.333
24	411431	63.805	146.974	.290	6.900	15.000	0.000	19.333
24	411432	63.823	146.994	.160	7.000	14.000	0.000	12.857
24	411433	63.846	146.984	.040	7.100	18.000	0.000	2.222
24	411434	63.832	146.904	.010	7.100	10.000	0.000	1.000
24	411435	63.851	146.896	.290	7.200	18.000	0.000	16.111
24	411436	63.879	146.880	.010	7.400	18.000	0.000	.556
24	411437	63.897	146.913	.470	7.500	15.000	0.000	31.333
24	411438	63.890	146.985	.670	7.500	12.000	0.000	55.833
24	411440	63.960	146.917	.020	7.200	13.000	0.000	1.538
24	411443	63.964	146.891	.010	6.300	9.000	0.000	1.111
24	411444	63.975	146.883	.020	6.500	10.000	0.000	2.000
24	411447	63.947	146.835	.310	5.800	6.000	0.000	51.667
24	411448	63.923	146.799	.690	6.000	8.000	0.000	86.250
24	411449	63.908	146.796	.110	5.900	7.000	0.000	15.714
24	411450	63.841	146.784	.340	6.300	8.000	0.000	42.500
24	411451	63.859	146.820	.380	6.400	8.000	0.000	47.500
24	411452	63.843	146.808	.380	6.000	5.000	0.000	76.000
24	411453	63.844	146.733	.340	5.600	5.000	0.000	64.000
24	411454	63.862	146.708	.220	5.600	7.000	0.000	31.429
24	411455	63.859	146.620	.520	5.600	5.000	0.000	104.000

MT. HAYS LAKE WATER

SAMPLE TYPE	SAMPLE NO.	DATE/TIME	CONDUCTIVITY	TEMPERATURE °C	PH	COND. UMHOS/CM	SCINT. NET CPS	1000*U/COND.
29	411455	03.865	146.585	.240	6.400	10.000	0.000	34.000
29	411457	03.866	146.585	.110	6.500	61.000	7.000	1.403
29	411458	03.869	146.626	.250	7.200	12.000	0.000	20.833
29	411459	03.866	146.710	.410	9.900	8.000	1.000	51.250
29	411460	03.902	146.706	.250	5.700	8.000	0.000	31.250
29	411461	03.918	146.701	.020	6.100	4.000	0.000	20.000
29	411462	03.936	146.714	.400	6.500	11.000	0.000	36.364
29	411463	03.962	146.715	.230	6.500	10.000	0.000	23.000
29	411464	03.991	146.721	1.030	6.900	14.000	14.000	73.571
29	411465	03.981	146.632	.150	7.400	9.000	0.000	17.778
29	411466	03.968	146.627	.230	6.900	8.000	0.000	28.750
29	411467	03.939	146.626	.270	5.900	12.000	0.000	22.500
29	411468	03.920	146.599	1.200	6.300	21.000	0.000	57.143
29	411469	03.898	146.591	.450	6.300	12.000	0.000	38.333
29	411470	03.891	146.507	.270	6.300	12.000	0.000	22.500
29	411471	03.960	146.507	.100	6.400	24.000	0.000	4.167
29	411472	03.834	146.511	.270	6.300	9.000	0.000	30.000
29	411473	03.832	146.429	.410	6.600	5.000	0.000	82.000
29	411474	03.851	146.435	1.210	5.900	6.000	0.000	201.667
29	411475	03.865	146.431	1.410	5.800	6.000	0.000	235.000
29	411476	03.875	146.437	1.410	6.000	6.000	0.000	235.000
29	411477	03.879	146.392	1.610	6.200	8.000	0.000	201.250
29	411478	03.861	146.349	.010	6.300	8.000	0.000	1.250
29	411479	03.838	146.345	.240	6.400	8.000	0.000	30.000
29	411480	03.844	146.304	.420	6.100	8.000	0.000	52.500
29	411481	03.855	146.238	.520	6.000	5.000	0.000	112.000
29	411482	03.843	146.211	.560	5.300	5.000	0.000	112.000
29	411483	03.832	146.253	1.260	5.500	6.000	0.000	210.000
29	411484	03.768	146.267	.740	6.300	27.000	0.000	27.407
29	411485	03.749	146.244	.030	6.300	11.000	0.000	2.727
29	411486	03.767	146.145	.010	6.600	24.000	0.000	.417
29	411487	03.744	146.159	.670	6.800	16.000	0.000	41.875
29	411488	03.765	146.039	.280	6.600	24.000	0.000	11.667
29	411489	03.750	146.048	.010	6.800	30.000	0.000	.333
29	411490	03.763	145.988	.280	7.000	55.000	0.000	5.091
29	411491	03.770	145.925	.610	7.200	46.000	0.000	13.261
29	411492	03.808	145.778	.260	7.300	44.000	0.000	5.909
29	411493	03.880	145.696	1.210	7.300	28.000	0.000	43.214
29	411494	03.927	145.145	.610	7.000	730.000	0.000	.836
29	411495	03.925	145.107	.260	6.900	29.000	0.000	8.966
29	411499	03.926	144.821	.010	6.700	0.000	0.000	0.000
29	411503	03.919	144.828	.120	6.700	418.000	0.000	.287
29	411501	03.099	145.479	.630	6.800	7.000	0.000	90.000
29	411502	03.124	145.469	.010	7.200	9.000	0.000	1.111
29	411503	03.155	145.467	.450	6.200	54.000	0.000	9.074
29	411504	03.171	145.461	.720	6.200	7.000	0.000	102.857
29	411505	03.191	145.474	.720	7.700	34.000	0.000	21.176
29	411507	03.204	145.560	1.670	6.200	119.000	0.000	14.034
29	411508	03.228	145.482	.720	6.500	117.000	0.000	6.154
29	411509	03.248	145.474	.500	8.500	74.000	0.000	6.757

MT. HAYES LAKE WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DURATION PPH	PH	COND. UMHLS/CM	SCINT. NET CPS	1000MU/COND.
29	411510	63.287	145.573	.720	8.700	18.000	0.000	55.000
29	411511	63.284	145.574	.680	7.700	245.000	0.000	.127
29	411512	63.271	145.564	.500	8.200	182.000	0.000	3.521
29	411513	63.287	145.565	1.080	8.200	312.000	0.000	3.462
29	411514	63.322	145.646	.900	8.200	57.000	0.000	15.789
29	411515	63.330	145.707	.290	9.300	64.000	0.000	4.203
29	411517	63.377	145.682	1.100	8.400	45.000	0.000	24.444
29	411519	63.419	145.700	1.100	8.200	22.000	0.000	50.000
29	411520	63.451	145.693	2.120	8.400	42.000	0.000	44.167
29	411524	63.455	145.787	.520	7.600	241.000	0.000	2.154
29	411533	63.594	145.752	.320	8.400	43.000	0.000	8.372
29	411534	63.597	145.839	.430	8.100	198.000	0.000	2.172
29	411538	63.633	145.846	.830	8.200	161.000	0.000	5.155
29	411539	63.661	145.870	1.120	8.200	408.000	0.000	2.745
29	411540	63.672	145.841	.740	8.300	351.000	0.000	2.108
29	411541	63.715	145.839	.330	8.200	33.000	0.000	10.000
29	411542	63.711	145.830	.010	8.700	2.000	0.000	5.000
29	411543	63.741	145.833	.330	8.900	72.000	0.000	4.583
29	411544	63.741	145.818	.010	8.700	78.000	0.000	.128
29	411545	63.758	145.779	.790	8.800	23.000	0.000	34.348
29	411546	63.755	145.743	.790	8.300	32.000	0.000	24.488
29	411551	63.849	145.693	.280	8.200	62.000	0.000	4.516
29	411552	63.908	145.685	.890	8.600	5.000	0.000	178.000
29	411553	63.947	145.676	1.100	8.300	52.000	0.000	11.957
29	411555	63.993	145.493	.310	7.900	35.000	0.000	8.857
29	411556	63.996	145.519	9.980	7.900	104.000	0.000	95.962
29	411557	63.938	145.539	.400	7.800	7.000	0.000	57.143
29	411558	63.945	145.515	.250	8.100	3.000	0.000	83.333
29	411559	63.944	145.546	.590	7.600	35.000	0.000	16.857
29	411560	63.953	145.530	1.570	6.400	11.000	0.000	142.727
29	411561	63.907	145.586	.980	7.300	16.000	0.000	27.222
29	411562	63.896	145.596	.590	7.200	33.000	0.000	17.879
29	411563	63.890	145.598	.240	7.300	39.000	0.000	6.154
29	411564	63.894	145.610	.240	7.500	2.000	0.000	120.000
29	411565	63.833	145.609	.410	6.300	42.000	0.000	9.762
29	411566	63.834	145.645	.010	5.600	40.000	0.000	.250
29	411568	63.787	145.619	.330	7.700	547.000	0.000	.203
29	411569	63.771	145.629	.050	6.900	31.000	0.000	1.613
29	411570	63.776	145.646	.030	6.400	39.000	0.000	.769
29	411571	63.768	145.662	.520	6.200	38.000	0.000	13.684
29	411573	63.718	145.648	.470	7.100	39.000	0.000	12.051
29	411574	63.710	145.652	.210	6.400	42.000	0.000	5.000
29	411575	63.707	145.761	.010	8.200	43.000	0.000	.233
29	411576	63.718	145.735	.030	6.100	35.000	0.000	.857
29	411577	63.721	145.748	.470	6.300	40.000	0.000	11.750
29	411578	63.728	145.745	.460	6.000	40.000	0.000	11.500
29	411579	63.710	145.545	.830	6.500	53.000	0.000	15.660
29	411580	63.720	145.531	.670	5.900	57.000	0.000	11.754
29	411581	63.719	145.549	2.110	5.700	43.000	0.000	49.070
29	411582	63.726	145.538	.670	5.500	45.000	0.000	14.889

MT. HATES LAKE WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FPM	PH	COND. UMH/CM	SCINT. FT CPS	1000*OZ/COND.
24	411587	63.746	145.552	.540	7.550	43.000	0.000	12.558
24	411588	63.803	145.544	.320	7.500	33.000	0.000	9.697
24	411589	63.946	145.642	.320	7.400	31.000	0.000	10.323
24	411592	63.944	145.447	.240	6.500	1.000	0.000	14.737
24	411593	63.985	145.730	.030	6.800	42.000	0.000	.714
24	411594	63.991	145.124	1.700	7.200	114.000	0.000	14.407
24	411595	63.998	145.094	.760	7.400	134.000	0.000	5.672
24	411596	63.994	145.036	.430	7.600	124.000	0.000	3.359
24	411597	63.971	145.064	.030	7.500	27.000	0.000	1.111
24	411598	63.967	145.011	.540	6.400	30.000	0.000	18.000
24	411599	63.972	144.962	.030	7.000	54.000	0.000	.145
24	411600	63.979	144.942	.010	7.000	125.000	0.000	.080
24	411601	63.988	144.782	.240	7.300	154.000	0.000	1.504
24	411602	63.979	144.783	.240	6.400	264.000	0.000	.896
24	411603	63.957	144.836	.560	7.200	165.000	0.000	3.394
24	411604	63.971	144.779	.380	7.200	97.000	0.000	3.918
24	411605	63.982	144.706	.470	7.500	5.000	0.000	44.000
24	411606	63.971	144.683	.240	7.000	12.000	0.000	20.000
24	411607	63.974	144.662	.060	6.600	5.000	0.000	12.000
24	411608	63.966	144.635	.170	6.800	8.000	0.000	21.250
24	411609	63.986	144.609	.410	6.600	26.000	0.000	15.769
24	411610	63.981	144.584	.480	6.500	22.000	0.000	21.818
24	411611	63.971	144.574	.630	6.000	33.000	0.000	25.152
24	411612	63.975	144.539	.950	5.900	25.000	0.000	38.000
24	411613	63.982	144.512	.060	6.100	9.000	0.000	8.889
24	411614	63.988	144.478	.090	6.600	37.000	0.000	2.432
24	411615	63.991	144.448	.390	6.100	35.000	0.000	11.143
24	411616	63.978	144.470	.390	6.500	14.000	0.000	27.857
24	411617	63.978	144.444	.010	6.400	25.000	0.000	.400
24	411618	63.979	144.401	.390	6.000	13.000	0.000	30.000
24	411619	63.989	144.400	.560	5.600	21.000	0.000	26.667
24	411622	63.988	144.275	.330	6.100	17.000	0.000	19.412
24	411628	63.713	144.064	.400	7.900	114.000	0.000	3.509
24	411629	63.729	144.027	.100	7.500	66.000	0.000	1.515
24	411630	63.734	144.005	.980	6.700	124.000	0.000	7.903
24	411631	63.719	144.023	.070	7.400	33.000	0.000	2.121
24	411632	63.711	144.021	.010	7.300	43.000	0.000	.233
24	411633	63.702	144.041	1.790	7.500	36.000	0.000	49.722
24	411634	63.678	144.042	.350	7.200	208.000	0.000	1.683
24	411636	63.656	144.035	.030	7.500	274.000	0.000	.109
24	411637	63.616	144.039	.440	8.000	9.000	0.000	48.889
24	411638	63.605	144.037	.290	7.400	14.000	0.000	20.714
24	411639	63.581	144.036	.010	6.600	19.000	0.000	.526
24	411640	63.564	144.041	.020	6.500	14.000	0.000	1.429
24	411641	63.546	144.031	.020	7.000	14.000	0.000	1.429
24	411642	63.529	144.014	.290	7.700	11.000	0.000	26.364
24	411643	63.515	144.053	.020	7.800	7.000	0.000	2.857
24	411654	63.241	144.026	.050	8.200	51.000	0.000	.980
24	411655	63.185	144.005	.030	7.500	51.000	0.000	.588
24	411674	63.517	144.116	.200	7.900	2.000	0.000	100.000

MT. WATTS LAKE WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FMS	PH	COND. UMH/CM	SCINT. NET CPS	1000*P/COND.
29	411679	63.527	144.098	.740	7.600	20.000	0.000	13.218
29	411680	63.544	144.113	.450	8.100	22.000	0.000	20.455
29	411681	63.564	144.113	.320	7.900	3.000	0.000	106.667
29	411682	63.571	144.097	.270	7.700	7.000	0.000	38.571
29	411683	63.612	144.091	.730	7.400	10.000	0.000	73.000
29	411684	63.623	144.093	.730	8.900	10.000	0.000	73.000
29	411685	63.670	144.064	1.310	8.100	191.000	0.000	8.459
29	411686	63.689	144.134	1.020	8.000	209.000	0.000	4.880
29	411688	63.707	144.323	.530	7.700	41.000	0.000	12.927
29	411689	63.698	144.376	.250	7.500	226.000	0.000	1.106
29	411690	63.697	144.453	.400	8.100	16.000	0.000	25.000
29	411691	63.659	144.517	.400	7.900	32.000	0.000	12.500
29	411692	63.653	144.482	.790	7.200	35.000	0.000	22.571
29	411693	63.632	144.463	.250	7.700	5.000	0.000	50.000
29	411701	63.626	144.457	.390	8.200	130.000	0.000	3.000
29	411702	63.777	144.470	.540	7.900	152.000	0.000	3.523
29	411703	63.772	144.502	.210	7.600	140.000	0.000	1.500
29	411704	63.773	144.528	1.090	8.300	138.671	0.000	7.899
29	411705	63.794	144.554	.630	9.200	80.000	0.000	7.875
29	411706	63.795	144.583	.630	7.600	120.000	0.000	5.250
29	411708	63.875	144.683	.630	9.200	187.000	0.000	3.500
29	411709	63.880	144.693	.880	8.700	143.000	0.000	6.288
29	411710	63.865	144.659	1.250	8.300	78.000	0.000	16.892
29	411711	63.858	144.657	1.630	9.200	150.000	0.000	10.867
29	411712	63.815	144.654	.630	7.600	320.000	0.000	1.969
29	411713	63.805	144.709	.500	9.200	98.000	0.000	5.102
29	411714	63.736	144.581	1.500	9.000	55.000	0.000	27.273
29	411715	63.750	144.565	.190	0.000	115.000	0.000	1.652
29	411716	63.768	144.576	.210	9.600	145.000	0.000	1.448
29	411717	63.848	144.706	.050	8.800	45.000	0.000	1.111
29	411721	63.938	145.419	.090	7.000	120.000	0.000	.750
29	411722	63.907	145.391	.290	8.300	31.000	0.000	9.355
29	411723	63.940	145.323	.290	7.400	52.000	0.000	5.577
29	411724	63.898	145.144	1.130	7.600	169.000	0.000	6.686
29	411725	63.894	145.049	.290	7.500	44.000	0.000	6.591
29	411726	63.879	144.982	.290	8.900	42.000	0.000	6.905
29	411727	63.875	145.021	.030	8.800	27.000	0.000	1.111
29	411728	63.877	144.879	.070	8.700	20.000	0.000	2.333
29	411729	63.845	144.859	.050	8.700	3.000	0.000	1.613
29	411730	63.828	144.832	.290	8.200	44.000	0.000	6.591
29	411731	63.846	144.945	.010	8.500	35.000	0.000	.294
29	411732	63.774	144.893	.010	8.600	30.000	0.000	.333
29	411733	63.793	144.862	.190	8.800	40.000	0.000	4.750
29	411734	63.752	144.914	.010	8.600	50.000	0.000	.250
29	411735	63.721	144.960	.330	8.700	25.000	0.000	13.750
29	411736	63.727	144.996	.190	8.600	43.000	0.000	4.419
29	411737	63.717	145.064	.010	7.100	52.000	0.000	.192
29	411738	63.707	145.101	.010	7.200	19.000	0.000	.526
29	411739	63.727	145.155	.010	7.200	22.000	0.000	.455
29	411740	63.711	145.205	.010	8.600	17.000	0.000	.588

ST. JAMES LAKE WATER

SAMPLE TIME	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FTH	PH	COND. UMH/5 CM	SCINT. NET CPS	1000*U/COND.
29	411741	63.748	145.274	.030	6.900	40.000	0.000	.750
29	411742	63.748	145.274	.030	6.900	26.000	0.000	1.071
29	411743	63.747	145.272	.050	7.000	31.000	0.000	1.935
29	411744	63.770	145.271	.040	7.100	42.000	0.000	.952
29	411745	63.773	145.170	.010	7.200	26.000	0.000	2.308
29	411746	63.753	145.181	.010	6.800	26.000	0.000	.385
29	411747	63.745	145.074	.070	6.700	30.000	0.000	2.333
29	411748	63.770	145.052	.050	6.500	35.000	0.000	2.286
29	411749	63.750	144.999	.080	6.700	31.000	0.000	2.581
29	411750	63.772	144.992	.220	5.500	25.000	0.000	8.600
29	411751	63.790	144.977	.430	5.900	34.000	0.000	12.647
29	411752	63.807	145.007	.270	6.500	34.000	0.000	7.941
29	411753	63.814	145.076	.270	6.600	61.000	0.000	4.426
29	411754	63.740	145.078	.270	6.900	71.000	0.000	3.803
29	411755	63.774	145.110	.270	7.200	20.000	0.000	13.500
29	411756	63.815	145.114	.270	6.800	25.000	0.000	10.800
29	411757	63.803	145.205	3.010	6.600	61.000	0.000	49.344
29	411758	63.811	145.261	1.520	6.000	31.000	0.000	49.032
29	411759	63.746	145.281	2.010	6.300	35.000	0.000	57.429
29	411760	63.832	145.080	.770	6.700	15.000	0.000	51.333
29	411761	63.837	145.167	.270	7.000	53.000	0.000	5.094
29	411762	63.860	145.249	1.060	7.200	51.000	0.000	20.784
29	411763	63.839	145.260	.430	7.100	21.000	0.000	20.476
29	411764	63.849	145.328	1.060	7.300	26.000	0.000	40.769
29	411765	63.860	145.373	.270	7.200	29.000	0.000	9.310
29	411767	63.937	145.710	1.560	7.600	66.000	0.000	23.636
29	411768	63.915	145.727	.450	7.300	48.000	0.000	9.375
29	411769	63.896	145.721	.050	7.400	34.000	0.000	1.471
29	411770	63.856	145.693	.230	7.400	19.000	0.000	12.105
29	411771	63.814	145.641	.890	6.800	17.000	0.000	52.353
29	411772	63.799	145.688	.890	6.100	16.000	0.000	55.625
29	411773	63.770	145.607	.280	4.900	15.000	0.000	18.667
29	411774	63.694	145.659	.280	5.900	12.000	0.000	23.333
29	411775	63.690	145.735	.060	6.100	9.000	0.000	6.667
29	411776	63.685	144.595	.010	7.300	19.000	0.000	.526
29	411777	63.686	144.605	.660	6.600	25.000	0.000	26.400
29	411778	63.682	144.712	.460	6.500	17.000	0.000	28.235
29	411779	63.706	144.696	.010	6.700	27.000	0.000	.370
29	411780	63.750	144.773	.070	7.100	20.000	0.000	3.500
29	411781	63.793	144.684	.320	6.900	24.000	0.000	13.333
29	411783	63.876	145.183	.320	7.600	23.000	0.000	13.913
29	411784	63.735	144.934	.030	6.400	2.000	0.000	15.000
29	411785	63.741	144.815	1.000	6.400	12.000	0.000	83.333
29	411786	63.724	144.819	2.180	6.300	2.000	0.000	1090.000
29	411787	63.718	144.773	1.940	7.900	2.000	0.000	970.000
29	411788	63.710	144.709	1.470	6.000	55.000	0.000	26.727
29	411789	63.665	144.374	2.860	7.900	127.000	0.000	22.677
29	411792	63.653	144.279	1.560	6.400	43.000	0.000	36.279
29	411793	63.647	144.282	.870	7.500	187.000	0.000	4.652
29	411795	63.673	144.279	.310	7.500	67.000	0.000	4.627

MT. HAYES TAKE 4/27/54

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	URANIUM PPM	PH	COND. UMH/CM	SCINT. NET CPS	1000*U/COND.
24	411796	63.678	144.145	.310	7.200	45.000	0.000	6.889
24	411797	63.663	144.200	.040	7.200	53.000	0.000	.755
24	411799	63.569	144.146	.570	7.400	45.000	0.000	12.667
24	411800	63.574	144.144	.030	7.100	92.000	0.000	.328
24	411801	63.705	145.745	.380	6.200	10.000	0.000	36.000
24	411802	63.729	145.727	.010	6.300	7.000	0.000	1.111
24	411803	63.763	145.743	.530	6.400	11.000	0.000	48.182
24	411804	63.775	145.733	.380	6.500	10.000	0.000	36.000
24	411805	63.754	145.785	.290	6.600	4.000	0.000	72.500
24	411806	63.731	145.834	.180	6.800	3.000	0.000	60.000
24	411807	63.708	145.856	.300	6.700	12.000	0.000	25.000
24	411808	63.755	145.831	.300	6.600	9.000	0.000	33.333
24	411809	63.819	145.782	.490	6.500	3.000	0.000	163.333
24	411810	63.814	145.722	.610	6.600	6.000	0.000	101.667
24	411811	63.864	145.724	.490	6.700	22.000	0.000	22.273
24	411812	63.944	145.747	1.160	6.900	32.000	0.000	36.250
24	411813	63.580	144.144	1.160	7.300	72.000	0.000	16.111
24	411814	63.540	144.214	.590	7.300	57.000	0.000	10.351
24	411815	63.548	144.312	1.270	7.000	16.000	0.000	79.375
24	411816	63.560	144.294	1.040	8.500	65.000	0.000	16.000
24	411817	63.556	144.310	.700	8.900	7.000	0.000	100.000
24	411818	63.575	144.317	.190	8.600	20.000	0.000	9.500
24	411819	63.555	144.373	.470	8.600	11.000	0.000	42.727
24	411820	63.556	144.413	.700	8.200	21.000	0.000	33.333
24	411821	63.558	144.623	.560	7.800	125.000	0.000	4.480
24	411822	63.569	144.629	.330	7.700	81.000	0.000	4.074
24	411823	63.573	144.661	.560	7.600	145.000	0.000	3.862
24	411824	63.559	144.677	.400	8.100	54.000	0.000	7.407
24	411825	63.559	144.705	.530	8.200	19.000	0.000	27.895
24	411826	63.596	144.628	.800	8.100	87.000	0.000	9.195
24	411827	63.626	144.608	1.450	8.500	14.000	0.000	103.571
24	411831	63.663	144.616	1.350	8.000	53.000	0.000	25.472
24	411832	63.684	144.789	.630	7.900	65.000	0.000	9.692
24	411833	63.671	144.775	.990	7.900	43.000	0.000	21.023
24	411834	63.604	144.761	2.860	8.300	14.000	0.000	204.286
24	411835	63.588	144.787	1.700	7.800	51.000	0.000	33.333
24	411836	63.574	144.800	1.480	7.800	34.000	0.000	43.529
24	411837	63.553	144.753	.330	7.700	30.000	0.000	11.000
24	411838	63.548	144.772	1.250	7.500	41.000	0.000	30.468
24	411848	63.455	144.904	.170	8.500	65.000	0.000	2.000
24	411851	63.545	144.885	.250	8.300	28.000	0.000	8.929
24	411852	63.555	144.886	.250	7.400	28.000	0.000	8.929
24	411853	63.601	144.898	.250	7.200	37.000	0.000	6.757
24	411854	63.595	144.907	.180	7.600	153.000	0.000	1.176
24	411855	63.639	144.853	.010	5.300	376.000	3.000	.027
24	411856	63.661	144.851	2.880	7.600	470.000	0.000	6.128
24	411857	63.679	144.827	.550	7.900	91.000	0.000	6.044
24	411859	63.666	144.718	.430	8.300	68.000	0.000	6.324
24	411860	63.734	144.720	.460	8.200	62.000	0.000	7.419
24	411861	63.757	144.756	.010	8.600	45.000	0.000	.222

MT. HAYES LAKE WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DURATION PPH	PH	COND. UMHDS/CM	SCINT. NET CPS	1000*U/COND.
29	411462	63.979	145.509	.570	7.800	58.000	0.000	9.828
29	411475	63.718	145.478	.930	7.900	69.000	0.000	13.478
29	411476	63.727	145.042	.530	7.900	71.000	0.000	7.465
29	411477	63.732	145.117	.010	7.900	64.000	0.000	.156
29	411478	63.729	145.255	.180	7.700	52.000	0.000	3.462
29	411481	63.775	145.351	.080	8.100	16.000	0.000	5.000
29	411482	63.754	145.445	.300	7.200	42.000	0.000	7.143
29	411485	63.770	145.607	1.290	7.400	33.000	0.000	39.091
29	411486	63.744	145.642	.270	6.800	29.000	0.000	9.310
29	411487	63.753	145.684	.270	7.000	22.000	0.000	12.273
29	411488	63.475	144.282	.710	7.000	1.000	0.000	710.000
29	411449	63.493	144.304	.400	7.100	5.000	0.000	80.000
29	411450	63.516	144.220	1.060	7.100	16.000	0.000	66.250
29	411451	63.927	144.360	.710	8.200	0.000	0.000	0.000
29	411452	63.928	144.311	1.060	6.500	95.000	0.000	11.158
29	411453	63.925	144.262	.430	8.400	106.000	0.000	4.057
29	411454	63.822	144.154	.010	6.300	603.000	0.000	.017
29	411455	63.817	144.165	.020	6.800	137.000	0.000	.146
29	411456	63.808	144.166	.020	4.500	120.000	0.000	.167
29	411457	63.802	144.186	.030	6.500	150.000	0.000	.200
29	411458	63.792	144.198	.560	7.500	110.000	0.000	5.091
29	411459	63.786	144.193	.620	9.400	150.000	0.000	4.133
29	411462	63.727	144.182	.180	7.700	90.000	0.000	2.000
29	411463	63.699	144.129	1.100	7.400	300.000	0.000	3.667
29	411464	63.706	144.191	.620	7.700	64.000	0.000	9.688
29	411465	63.710	144.256	.310	7.600	270.000	0.000	1.148
29	411467	63.730	144.571	.640	7.500	170.000	0.000	3.765
29	411468	63.745	144.513	.400	9.200	180.000	0.000	2.222
29	411469	63.753	144.512	.760	9.200	120.000	0.000	6.333
29	411470	63.745	144.369	.640	5.000	120.000	0.000	5.333
29	411471	63.746	144.348	1.630	7.200	130.000	0.000	12.536
29	411472	63.749	144.261	.180	8.700	130.000	0.000	1.385
29	411473	63.760	144.272	.510	9.800	80.000	0.000	6.375
29	411474	63.775	144.261	.030	6.200	120.000	0.000	.250
29	411475	63.784	144.286	.300	8.400	130.000	0.000	2.308
29	411476	63.827	144.459	.260	7.400	140.000	0.000	1.857
29	411477	63.864	144.848	.060	7.800	320.000	0.000	.188
29	411478	63.844	144.412	.250	7.900	180.000	0.000	1.389
29	411479	63.836	144.425	.370	6.000	180.000	0.000	2.056
29	411480	63.820	144.448	1.250	7.800	140.000	0.000	8.929

END