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National Uranium Resource Evaluation

URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE OF THE ILIAMNA 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

PREPARED FOR THE U.S. DEPARTMENT OF ENERGY
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
ILIAMNA NTMS QUADRANGLE, ALASKA

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ABSTRACT

This report presents results of a Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) of the Iliamna 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 subsetting 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 analysis have been included.

The Iliamna 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 (Zinkl 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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ILLIANA STREAM SEDIMENTS

Table 1. Population Statistics for Stream Sediment Data

VAR					FOR TOTAL ANALYSES:				FOR ABOVE DETECTION LIMIT ANALYSES:				MAXIMUM	MINIMUM	DET. LIM.
	TOTAL	MADE	MADE	MISS	MEAN	STD. DEV.	SKEWNESS	KURTOSIS	MEAN	STD. DEV.	SKEWNESS	KURTOSIS			
1 PH	147	147	0	1	7.23	.62	3.00	21.48	7.13	.62	3.00	21.48	10.90	5.30	99999.00
2 MH	147	147	0	1	43.84	91.50	7.44	62.47	43.84	91.50	7.44	62.47	870.00	2.00	99999.00
3 HM	79	79	0	69	3.49	2.64	1.49	5.38	3.49	2.64	1.49	5.38	14.00	1.00	99999.00
4 U	149	149	0	0	1.69	1.35	4.79	37.98	1.69	1.35	4.79	37.98	13.71	.40	99999.00
5 AG	79	4	75	69	2.80	1.43	5.03	29.33	8.50	2.50	0.00	1.92	12.00	5.00	5.00
6 PF	79	7	72	69	2.89	1.37	3.84	17.31	6.86	1.96	.43	1.52	10.00	5.00	5.00
7 CO	79	5	74	69	2.75	1.12	5.73	39.37	6.40	2.31	1.40	3.10	11.00	5.00	5.00
9 CH	79	72	0	69	95.80	26.79	.66	3.55	95.80	26.79	.66	3.55	150.00	12.00	99999.00
3 MA	79	0	72	69	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	10.00	20.00
10 ML	79	47	32	69	25.95	26.79	2.47	10.31	38.51	28.59	2.20	8.20	158.00	16.00	15.00
11 PA	79	20	59	69	5.22	6.34	2.89	11.41	13.25	8.64	1.11	3.57	37.00	5.00	5.00
12 SM	79	5	73	69	6.46	5.66	4.26	21.08	24.17	9.06	.37	1.82	39.00	14.00	10.00
13 W	79	5	74	69	8.27	3.13	4.30	21.14	19.60	4.22	.41	1.53	28.00	15.00	15.00
14 ME	79	11	68	69	.58	.22	3.64	19.33	1.09	.29	2.85	9.10	2.00	1.00	1.00
15 LI	79	78	1	69	20.70	12.08	1.06	3.96	20.96	11.94	1.11	4.00	61.00	1.00	1.00
16 AL	149	149	0	0	70588.11	13295.07	-1.69	8.51	70988.11	13295.07	-1.69	8.51	110800.00	12170.00	99999.00
17 AU	147	2	145	1	.08	.14	6.04	45.11	.35	.01	.00	1.00	.38	.31	.11
18 RA	149	83	65	0	458.42	364.86	3.19	19.91	575.28	173.19	.36	3.95	1214.00	209.00	437.00
19 CA	148	143	5	0	33745.22	17571.65	.46	3.34	34010.89	12032.66	.61	3.37	74580.00	8697.00	9741.00
20 CF	147	113	34	1	30.90	23.76	7.59	12.47	35.22	22.02	3.27	17.20	162.00	11.00	39.00
21 CL	149	67	81	0	268.75	238.82	1.47	4.68	428.97	206.43	1.11	3.37	975.00	154.00	236.00
22 CO	147	130	17	1	16.87	12.39	2.24	12.95	18.72	11.79	2.75	15.62	93.40	3.80	4.90
23 CR	147	118	29	1	66.64	64.72	3.28	19.06	75.15	66.30	3.44	19.46	512.00	10.00	69.00
24 CS	147	13	134	1	2.21	2.99	5.58	40.06	4.02	1.60	.66	4.27	8.10	1.20	2.60
25 DT	149	133	15	0	3.97	2.44	5.04	36.99	3.77	1.15	.48	2.80	7.00	1.00	9.00
26 EU	146	112	27	2	1.05	.47	3.59	28.19	1.09	.24	.34	2.96	1.80	.60	.70
27 FE	147	144	3	1	66743.35	56469.93	4.28	27.23	68023.68	56729.40	4.35	27.61	491800.00	16200.00	28100.00
28 HF	147	114	33	1	6.20	8.46	5.25	56.27	7.03	9.14	5.07	32.39	73.50	1.80	7.90
29 W	148	70	78	0	8138.41	5368.21	.99	4.31	11819.91	3165.08	.19	2.79	19720.00	3905.00	9895.00
30 LA	147	85	62	1	13.34	16.50	5.01	31.67	14.68	10.13	5.45	47.15	95.00	6.00	8.00
31 LH	147	114	33	1	.32	.24	4.41	30.25	.33	.13	2.33	14.55	1.10	.10	.10
32 MG	148	135	12	0	13486.62	6492.92	.58	3.35	14049.21	6192.04	.74	3.56	34570.00	4219.00	4366.00
33 MH	148	149	0	0	1258.07	537.21	1.64	7.74	1258.07	537.21	1.66	7.74	3696.00	131.00	99999.00
34 MA	149	148	0	0	22804.36	7852.00	2.73	13.85	22804.36	7459.00	2.23	13.85	64770.00	4317.00	99999.00
35 RA	147	2	145	1	39.81	39.89	4.37	26.39	56.00	11.00	0.00	1.00	67.00	45.00	57.00
36 SA	147	2	145	1	2.12	3.39	4.12	49.07	1.50	.50	0.00	1.00	2.00	1.00	3.00
37 SC	147	147	0	1	19.90	7.11	.14	7.74	18.90	7.13	.14	2.74	41.30	2.40	99999.00
38 SA	147	117	30	1	2.95	1.60	3.21	19.77	3.05	1.25	4.65	38.03	13.20	1.10	3.80
39 SA	135	8	127	13	255.04	113.62	2.57	12.83	538.84	196.46	.99	3.00	940.00	327.00	814.00
40 TA	147	1	146	1	1.69	2.92	6.16	45.65	4.00	0.00	0.00	0.00	4.00	4.00	2.00
41 TH	143	5	138	9	1.02	1.65	6.21	46.40	1.20	.40	1.50	3.25	2.00	1.00	1.00
42 TH	147	73	74	1	2.72	3.39	5.21	37.41	3.50	3.44	6.42	50.02	30.70	.70	2.80
43 TI	145	137	8	3	4732.51	3086.09	3.35	19.44	4708.93	3074.98	3.49	20.39	26030.00	1493.00	5580.00
44 V	148	146	2	0	227.30	234.88	4.71	30.92	229.54	235.69	4.70	30.74	2003.00	35.00	111.00
45 YB	147	77	70	1	3.00	3.23	5.74	42.87	3.14	1.11	2.06	9.91	8.50	1.30	2.60
46 ZH	147	30	117	1	75.34	90.39	3.57	19.69	138.10	70.79	1.38	9.37	374.00	36.00	82.00
47 YU	73	73	0	75	1.75	.50	.11	2.83	1.75	.50	.11	2.83	2.97	.67	99999.00

NUMBER OF SAMPLES = 148

ILIAMNA STREAM SEDIMENTS

Figure 1. Uranium versus Thorium, Stream Sediments

ILIAMNA, AK: V (PPM) IN STREAM SEDIMENTS

Figure 2. Vanadium (ppm) in Stream Sediments

ILIAMNA, AK: CU (PPM) IN STREAM SEDIMENTS

Figure 3. Copper (ppm) In Stream Sediments

Table 2. Population Statistics for Lake Sediment Data

ILLIANA LAKE SEDIMENTS

VAR	TOTAL ANALYSES:				FOR ABOVE DETECTION LIMIT ANALYSES:				FOR ABOVE DETECTION LIMIT ANALYSES:				MAXIMUM	MIN(ADL)	DET. LIM.
	TOTAL	MADE	MADE	MISS	MEAN	STD.DEV.	SKEWNESS	KURTOSIS	MEAN	STD.DEV.	SKEWNESS	KURTOSIS			
1 PH	303	303	0	0	7.09	.20	-1.42	16.35	7.09	.20	-1.42	16.35	8.00	5.50	99999.00
2 MU	303	303	0	0	34.55	42.81	7.01	77.72	34.55	42.81	7.01	77.72	559.00	1.00	99999.00
3 UR	0	0	0	303	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99999.00
4 U	303	303	0	0	1.76	2.24	9.52	114.33	1.76	2.24	9.52	114.33	31.45	.23	99999.00
5 AG	211	0	211	92	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	2.50	5.00
6 RF	211	9	202	92	2.65	.74	5.70	30.20	6.00	1.05	.57	1.94	9.00	5.00	5.00
7 CD	211	5	206	92	2.56	.42	6.51	44.66	5.20	.40	1.50	3.25	6.00	5.00	5.00
8 CU	211	205	6	92	25.61	11.70	1.54	8.46	26.21	11.32	1.79	9.23	95.00	10.00	10.00
9 NB	211	0	211	92	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	10.00	20.00
10 NI	211	56	155	72	12.66	11.39	3.37	17.43	26.93	14.55	2.33	8.78	89.00	15.00	15.00
11 PR	211	67	144	92	4.55	4.49	4.99	41.16	8.94	5.92	4.24	26.31	47.00	5.00	5.00
12 SN	211	6	205	92	5.36	2.77	10.29	120.54	17.83	10.51	1.47	3.39	40.00	11.00	10.00
13 W	211	2	209	92	7.64	1.52	12.14	156.33	22.00	6.00	0.00	1.00	28.00	16.00	15.00
14 RE	211	17	174	92	.62	.30	3.20	14.15	1.16	.37	1.83	4.36	2.00	1.00	1.00
15 LI	211	211	0	92	16.89	12.02	.89	3.85	16.89	12.02	.89	3.85	70.00	1.00	99999.00
16 AL	303	303	0	0	56810.63	21355.24	.50	9.59	56810.63	21355.24	.50	9.59	205600.00	7961.00	99999.00
17 AU	303	3	300	0	.08	.04	5.11	35.29	.46	.22	-1.39	1.50	.69	.17	.15
18 RA	303	191	112	0	504.25	249.27	.44	1.23	436.59	180.75	.91	6.48	1629.00	277.00	280.00
19 CA	303	266	37	0	19093.95	10966.73	2.79	20.45	21427.88	9600.93	3.88	34.20	114100.00	7546.00	2665.00
20 CF	303	202	101	0	20.19	21.53	3.19	21.37	37.64	20.92	4.27	27.53	189.00	15.00	15.00
21 CL	303	243	60	0	595.23	472.08	1.65	8.34	714.53	452.60	1.86	9.57	3441.00	116.00	460.00
22 CO	302	177	125	1	5.53	5.72	2.34	16.45	8.87	5.25	3.61	27.14	51.80	2.50	.10
23 CR	303	136	167	0	35.01	35.25	3.17	17.85	57.74	39.99	3.07	14.68	240.00	20.00	21.00
24 CS	303	20	283	0	2.17	1.61	3.23	18.34	4.71	1.74	.09	3.37	7.60	2.00	3.20
25 DY	303	237	66	0	3.86	1.57	.85	5.22	4.25	1.35	1.36	7.53	12.00	1.00	4.00
26 FU	303	202	101	0	1.07	.59	3.11	21.62	1.26	.52	4.86	36.83	5.70	.50	.80
27 FE	303	299	4	0	30793.34	22521.65	5.39	45.21	31131.97	22474.46	5.47	45.85	238200.00	8320.00	521.00
28 HF	303	182	121	0	5.21	7.66	7.41	69.14	7.19	9.29	6.31	47.84	85.10	2.40	1.90
29 K	303	176	127	0	9307.68	5548.77	.48	2.44	13018.32	4026.89	.71	3.28	27260.00	4776.00	5605.00
30 LA	303	126	177	0	13.37	11.10	3.32	19.85	18.56	10.88	3.72	21.94	92.00	6.00	12.00
31 LI	303	178	125	0	.29	.17	1.91	9.91	.76	.14	2.11	11.11	1.10	.10	.20
32 MG	303	187	116	0	5849.66	4285.11	1.97	11.65	8090.04	3941.26	2.82	17.31	36630.00	2572.00	3299.00
33 MH	303	303	0	0	734.02	609.88	5.10	42.24	734.02	609.88	5.10	42.24	6616.00	59.00	99999.00
34 NA	303	303	0	0	19180.07	7755.17	-1.18	3.64	19180.07	7755.17	-1.18	3.64	54750.00	2153.00	99999.00
35 RA	303	2	301	0	49.12	40.58	4.12	27.98	39.00	3.00	0.00	1.00	42.00	36.00	65.00
36 SA	303	1	302	0	2.02	1.72	5.21	41.22	3.00	0.00	0.00	0.00	3.00	3.00	4.00
37 SC	303	302	1	0	10.73	5.44	1.35	7.29	10.76	5.44	1.37	7.35	40.10	1.50	2.20
38 SM	303	204	99	0	2.78	1.59	1.57	9.30	3.41	1.42	2.41	12.26	11.00	1.10	1.70
39 SP	291	3	278	22	241.30	65.63	1.25	4.39	384.67	19.14	-1.67	1.50	402.00	158.00	437.00
40 TA	303	2	301	0	1.86	1.64	4.42	33.94	4.50	2.50	0.00	1.00	7.00	2.00	3.00
41 TR	303	6	297	0	1.04	.88	4.41	32.28	1.31	.47	.71	1.50	2.00	1.00	2.00
42 TH	303	146	157	0	2.80	1.87	2.86	17.47	3.73	1.76	3.88	25.30	16.70	1.50	2.30
43 TI	303	220	83	0	3083.97	2574.07	4.07	29.95	3857.74	2609.49	4.61	32.86	25680.00	871.00	2068.00
44 V	303	284	19	0	80.57	79.06	9.47	128.58	85.09	79.57	9.73	131.43	1189.00	16.00	14.00
45 VS	303	114	189	0	2.83	1.86	3.29	22.12	3.69	1.26	2.27	11.10	10.40	2.00	3.30
46 WN	303	45	258	0	77.13	78.99	4.99	42.43	159.44	127.89	4.18	23.52	886.00	54.00	78.00
47 WU	146	146	0	157	1.96	.50	.16	3.63	1.96	.50	.16	3.63	3.51	.39	99999.00

NUMBER OF SAMPLES - 303

ILIAMNA LAKE SEDIMENTS

Figure 4. Uranium versus Thorium, Lake Sediments

ILIAMNA, AK: V (PPM) IN LAKE SEDIMENTS

Figure 5. Vanadium (ppm) in Lake Sediments

ILIAMNA, AK: CU (PPM) IN LAKE SEDIMENTS

Figure 6. Copper (ppm) in Lake Sediments

ILIAMNA STREAM WATER

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

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

ILIAMNA STREAM WATER

SLOPE: .09727

INTERCEPT: -1.96287

CORRELATION COEFFICIENT: .04302

COEFFICIENT OF VARIATION: .00397

COVARIANCE: .09327

TOTAL SUM OF SQUARES: 372.40056

RESIDUAL SUM OF SQUARES: 370.92176

REGRESSION SUM OF SQUARES: 1.47880

STANDARD ERROR OF PI: .12067

PROBABILITY THAT SLOPE IS NOT UNITY: 1.00000

PROBABILITY THAT CORRELATION COEFFICIENT IS NON-ZERO: .57466

FOR 155 OBSERVATIONS (143 DEGREES OF FREEDOM)

ILIAMNA LAKE WATER

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

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

ILIAMNA LAKE WATER

SLOPE: .26494

INTERCEPT: -2.53706

CORRELATION COEFFICIENT: .13974

COEFFICIENT OF VARIATION: .01953

COVARIANCE: .21470

TOTAL SUM OF SQUARES: 1116.06422

RESIDUAL SUM OF SQUARES: 1095.14739

REGRESSION SUM OF SQUARES: 21.41685

STANDARD ERROR OF β_1 : .00620

PROBABILITY THAT SLOPE IS NOT UNITY: 1.00000

PROBABILITY THAT CORRELATION COEFFICIENT IS NON-ZERO: .00272

FOR 342 OBSERVATIONS (340 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 Before Editing

ILLINOIS STREAM SEDIMENT DATA						
DATE	* MISSING *	* TOI *	* MEAN *	STD DEV		
1 24	1	.44	3.00	7.17	1.43	
2 24	1	.44	3.00	43.44	21.50	
3 12	40	44.42	3.00	2.42	2.44	
4 11	0	0.00	0.00	1.40	1.25	
5 15	43	44.42	50.42	2.10	1.43	
6 25	40	44.42	44.42	2.42	1.17	
7 20	40	44.42	50.00	2.75	1.12	
8 20	40	44.42	0.00	43.10	24.71	
9 10	43	44.42	53.24	10.00	0.00	
10 21	40	44.42	21.42	24.05	24.73	
11 20	40	44.42	22.24	4.22	4.21	
12 20	40	44.42	42.22	4.44	4.44	
13 24	40	44.42	50.00	2.17	2.12	
14 25	43	44.42	44.05	1.42	.23	
15 11	40	44.42	.42	10.70	12.02	
16 11	0	0.00	0.00	70.22.11	13.75.07	
17 10	1	.44	97.07	.44	.14	
18 24	0	0.00	43.02	452.42	348.84	
19 24	0	0.00	2.12	22244.22	12271.44	
20 22	1	.44	22.22	10.20	22.74	
21 21	0	0.00	54.71	244.75	222.82	
22 22	1	.44	11.42	15.07	12.32	
23 22	1	.44	10.12	42.44	44.72	
24 25	1	.44	20.54	2.21	2.22	
25 20	0	0.00	10.14	2.97	2.44	
26 20	2	1.25	12.24	1.05	.47	
27 25	1	.44	2.02	44743.35	54442.00	
28 25	1	.44	22.30	4.20	4.44	
29 24	0	0.00	52.70	2122.41	3266.21	
30 11	1	.44	41.80	13.34	15.50	
31 10	1	.44	22.21	.32	.24	
32 20	0	0.00	8.11	12486.42	4422.02	
33 24	0	0.00	0.00	1252.07	537.21	
34 24	0	0.00	0.00	22224.35	7450.00	
35 24	1	.44	27.07	22.21	20.22	
36 24	1	.44	27.07	2.12	2.12	
37 20	1	.44	0.00	18.00	7.12	
38 24	1	.44	20.27	2.25	1.40	
39 20	13	2.72	95.21	255.04	112.62	
40 24	1	.44	04.43	1.42	2.02	
41 22	0	0.00	93.24	1.02	1.55	
42 24	1	.44	50.00	2.72	3.22	
43 21	2	2.02	5.41	4722.51	2024.02	
44 24	0	0.00	1.25	227.30	224.22	
45 22	1	.44	47.20	3.20	3.21	
46 20	1	.44	27.25	75.24	20.20	
47 20	25	20.44	0.00	1.75	.50	
TOTAL NUMBER OF SAMPLES = 144						

Table 6. Stream Sediment Data After Editing

ILLAMNA STREAM SEDIMENTS						
VAR	# MISSING	#	QOL	#	MEAN	STD DEV
1 PH	0	0.00	0	0.00	7.13	.62
2 MU	0	0.00	0	0.00	44.13	22.66
3 U	0	0.00	0	0.00	1.68	1.34
4 AL	0	0.00	0	0.00	70207.34	12737.79
5 PA	0	0.00	61	42.46	412.84	246.16
6 CA	0	0.00	2	1.40	33426.04	12411.18
7 CE	0	0.00	31	21.47	22.74	22.44
8 CO	0	0.00	14	0.70	17.04	12.30
9 CZ	0	0.00	26	18.18	65.23	44.24
10 OY	0	0.00	12	8.30	3.67	1.24
11 SH	0	0.00	25	17.48	1.01	.33
12 FE	0	0.00	1	.70	67708.50	57120.51
13 HF	0	0.00	20	20.98	6.02	8.43
14 LA	0	0.00	50	41.24	11.52	2.72
15 LU	0	0.00	20	20.00	.20	.14
16 MA	0	0.00	9	5.22	12215.57	4682.45
17 MN	0	0.00	0	0.00	1260.00	541.20
18 PB	0	0.00	0	0.00	21026.12	5550.22
19 SC	0	0.00	0	0.00	10.03	7.13
20 SM	0	0.00	26	14.12	2.74	1.22
21 TI	0	0.00	0	0.00	4700.31	3077.50
22 V	0	0.00	0	0.00	230.77	227.02
23 VO	0	0.00	67	45.85	2.60	1.44

TOTAL NUMBER OF SAMPLES = 143

Table 7. Lake Sediment Data Before Editing

ILLIANNIA LAKE SEDIMENTS							
VAR	# MISSING	#	MIN	MAX	MEAN	STD DEV	
1 PH	0	0	0.00	0	0.00	7.00	.00
2 MH	0	0	0.00	0	0.00	14.55	42.31
3 HP	303	100.00	0	0.00	0.00	0.00	0.00
4 H	0	0	0.00	0	0.00	1.76	2.24
5 AG	22	30.36	211	60.44	2.50	0.00	
6 AF	22	30.36	202	64.67	2.65	.74	
7 CO	22	30.36	204	7.00	2.56	.42	
8 CH	22	30.36	4	1.00	25.61	11.70	
9 HA	22	30.36	211	60.44	10.00	0.00	
10 HT	22	30.36	155	51.14	12.66	11.30	
11 SH	22	30.36	144	47.52	4.55	4.40	
12 SO	22	30.36	205	67.66	5.24	2.77	
13 W	22	30.36	202	62.02	7.44	1.52	
14 SE	22	30.36	174	57.43	.62	.30	
15 LI	22	30.36	0	0.00	14.40	12.02	
16 AL	0	0.00	0	0.00	56810.63	21355.24	
17 AH	0	0.00	100	20.01	.09	.09	
18 AS	0	0.00	112	16.94	504.25	240.22	
19 CA	0	0.00	27	12.21	10022.25	10966.73	
20 CH	0	0.00	101	22.33	20.19	21.53	
21 CL	0	0.00	40	12.47	405.23	472.00	
22 CO	1	.33	125	41.25	5.53	5.72	
23 CP	0	0.00	167	55.12	23.01	35.25	
24 CS	0	0.00	283	22.40	2.17	1.61	
25 CY	0	0.00	66	21.74	2.26	1.57	
26 CU	0	0.00	101	22.33	1.07	.50	
27 EF	0	0.00	4	1.52	30723.24	22521.65	
28 EG	0	0.00	121	20.03	5.21	7.66	
29 EK	0	0.00	127	41.01	9307.68	3548.77	
30 LA	0	0.00	177	55.42	13.37	11.10	
31 LH	0	0.00	125	41.25	.20	.17	
32 MC	0	0.00	116	22.22	5849.66	4283.11	
33 MN	0	0.00	0	0.00	724.02	600.88	
34 NA	0	0.00	0	0.00	19190.67	7755.17	
35 PB	0	0.00	201	20.24	42.12	40.52	
36 PD	0	0.00	202	20.67	2.02	1.72	
37 SC	0	0.00	1	.33	10.73	5.46	
38 SM	0	0.00	60	12.67	2.73	1.50	
39 SO	22	7.26	278	21.75	241.20	65.63	
40 TA	0	0.00	201	20.34	1.66	1.56	
41 TB	0	0.00	207	22.02	1.04	.33	
42 TH	0	0.00	157	51.82	2.80	1.37	
43 TI	0	0.00	33	27.30	3033.07	2574.07	
44 V	0	0.00	10	4.27	30.52	20.06	
45 YZ	0	0.00	189	42.30	2.32	1.86	
46 Z	0	0.00	218	45.15	77.12	70.90	
47 TH	157	51.92	0	0.00	1.26	.50	

TOTAL NUMBER OF SAMPLES = 303

Table 8. Lake Sediment Data After Editing

ILLIAMNA LAKE SEDIMENTS						
VAR	# MISSING	# BDL	MEAN	STD DEV		
1 PH	0	0.00	0	0.00	7.09	1.20
2 MH	0	0.00	0	0.00	34.53	42.87
3 H	0	0.00	0	0.00	1.75	2.24
4 AL	0	0.00	0	0.00	56776.00	21322.07
5 PA	0	0.00	112	37.03	522.08	248.66
6 CA	0	0.00	37	12.25	19112.14	10200.31
7 CE	0	0.00	101	33.44	29.20	21.56
8 CL	0	0.00	40	19.87	592.01	460.54
9 CO	0	0.00	125	41.33	5.53	5.72
10 OY	0	0.00	66	21.85	3.85	1.55
11 EU	0	0.00	101	33.44	1.07	.53
12 FE	0	0.00	4	1.72	30822.29	22548.72
13 HF	0	0.00	121	40.07	5.21	7.68
14 K	0	0.00	127	42.05	9260.00	5412.00
15 LI	0	0.00	125	41.33	.29	.16
16 MG	0	0.00	116	38.41	5058.57	4280.22
17 MN	0	0.00	0	0.00	734.96	610.67
18 NA	0	0.00	0	0.00	19141.79	7730.37
19 SC	0	0.00	1	.33	10.73	8.47
20 SM	0	0.00	00	12.74	2.77	1.50
21 TT	0	0.00	82	27.48	3037.58	2577.56
22 V	0	0.00	19	6.29	80.67	70.15

TOTAL NUMBER OF SAMPLES = 202

FACTOR ANALYSIS (CASE 2)
ILLIANA STREAM SEDIMENT (STATION)
NUMBER OF SAMPLES 142
NUMBER OF VARIABLES 23

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

CORRELATION COEFFICIENTS

	PH	MU	II	AL	RA	CA	CE	CO	CR	DY	EH	FF	HF	LA	LU
PH	1.000														
MU	-.030	1.000													
II	.146	-.053	1.000												
AL	.110	.018	-.181	1.000											
RA	.171	.008	.359	.256	1.000										
CA	.033	-.040	-.185	.223	-.435	1.000									
CE	.102	-.021	.368	-.254	.100	-.344	1.000								
CO	.044	-.011	-.220	.080	-.297	.449	.073	1.000							
CR	-.120	.214	-.095	-.098	-.421	.737	.041	.435	1.000						
DY	.031	-.021	.262	.276	.060	.055	.133	.012	.122	1.000					
EH	.150	.023	.268	.327	.244	-.120	.411	.110	.012	.331	1.000				
FF	-.105	-.074	-.143	-.071	-.432	.164	.243	.493	.551	.259	.041	1.000			
HF	.073	-.257	.418	-.257	.077	-.261	.553	.236	.111	.230	.282	.474	1.000		
LA	-.036	-.141	.472	-.040	.358	-.358	.427	-.087	-.120	.296	.366	-.005	.373	1.000	
LU	.077	-.039	.364	-.070	-.012	-.173	.493	.040	.086	.362	.477	.328	.535	.300	1.000
MG	.009	.021	-.475	.375	-.418	.457	-.210	.593	.481	.200	-.020	.506	-.131	-.302	-.044
MU	-.092	-.131	-.078	.034	-.345	.758	.025	.353	.354	.216	-.051	.703	.315	.011	.194
NA	.118	-.047	-.009	.801	.426	-.049	-.110	-.126	-.356	.175	.344	-.294	-.164	.159	-.050
SC	-.020	.127	-.401	.280	-.485	.542	-.074	.585	.535	.326	.142	.674	.050	-.200	.209
SM	.039	-.090	.324	.147	.126	-.147	.299	.106	-.113	.274	.474	.107	.782	.377	.411
TI	-.050	.047	-.017	-.037	-.285	.209	.139	.478	.474	.330	-.012	.808	.438	.007	.227
V	-.095	-.045	-.168	-.175	-.485	.269	.108	.545	.589	.240	-.073	.909	.431	-.072	.234
VR	.079	-.040	.223	-.047	.068	-.235	.234	-.110	-.015	.238	.207	.114	.317	.285	.405
	MG	MU	NA	SC	SM	TI	V	VR							
MG	1.000														
MU	.429	1.000													
NA	-.029	-.123	1.000												
SC	.810	.547	-.110	1.000											
SM	-.152	.065	.208	.017	1.000										
TI	.508	.610	-.317	.657	.008	1.000									
V	.535	.653	-.409	.493	-.044	.434	1.000								
VR	-.090	.208	.069	.071	.239	.045	.100	1.000							

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

EIGENVALUES CPTV ELEMENTS	FACTORS				
	1	2	3	4	5
	5.10169	4.28749	2.69012	1.25940	1.17687
	.26529	.45170	.55823	.62299	.57416
		UNROTATED	FACTORS	LOADINGS	
PH	.08732	.11902	.22142	.06464	.41716
MIJ	-.01186	-.14974	.02110	.83950	-.25212
IJ	.29906	.66484	-.14190	.04770	.01357
AL	.00011	-.11450	.93243	-.06404	-.10570
BA	.60538	.32612	.27785	-.03505	-.01577
CA	-.50584	-.49465	.29382	-.07127	.23315
CE	-.03235	.70321	-.17722	.21391	.25450
CO	-.66955	-.01737	.14979	.05935	.47673
CR	-.67438	-.02736	-.12926	.37616	-.07104
DY	-.26280	.43279	.33340	.01443	-.34534
EU	.02492	.54469	.42490	.29968	.16357
FE	-.87032	.27134	-.10740	-.03809	-.07026
HF	-.27535	.75819	-.22794	-.13721	.17721
LA	.19147	.67604	.03259	-.10783	-.08439
LU	-.20797	.72214	.03031	.15161	-.01528
MS	-.77425	-.31523	.37188	.00875	.05677
NN	-.70974	.16902	.01450	-.34137	-.20330
NA	.34700	.05913	.41343	-.16366	-.09492
SC	-.87572	-.07107	.32103	.12427	-.05742
SM	.04663	.58225	.30130	.01730	.09738
TI	-.81644	.22484	-.07374	-.03572	-.08631
V	-.11329	.13327	-.13151	-.07055	-.05175
VR	-.03838	.50590	.01208	-.07144	-.21290

FACTOR ANALYSIS (CASE 21)
 TIANJIA LAKE SEDIMENTS (SPANS.)
 NUMBER OF SAMPLES: 102
 NUMBER OF VARIABLES: 22

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

Correlation Coefficients

	PH	HI	II	AL	PA	CA	CE	CL	CO	CV	FH	FF	HF	H	LU
PH	1.000														
HI	-.080	1.000													
II	.042	-.154	1.000												
AL	.070	-.170	.470	1.000											
PA	.007	-.245	.490	.510	1.000										
CA	-.033	-.047	.377	.657	.199	1.000									
CE	.026	-.177	.547	.488	.578	.323	1.000								
CL	-.038	.240	-.185	-.278	-.134	-.147	-.140	1.000							
CO	.028	-.144	.355	.510	.251	.487	.409	-.271	1.000						
CV	-.002	-.071	.413	.547	.502	.766	.548	.080	.202	1.000					
FH	.060	-.194	.375	.440	.511	.244	.623	-.170	.329	.460	1.000				
FF	.027	-.045	.247	.320	.039	.384	.154	-.213	.425	.006	.124	1.000			
HF	-.023	-.273	.443	.432	.480	.783	.702	-.340	.363	.477	.667	.246	1.000		
H	-.042	-.228	.508	.543	.648	.274	.518	-.004	.247	.564	.353	.035	.440	.000	
LU	.073	-.043	.403	.301	.454	.322	.528	.103	.210	.559	.526	.097	.599	.397	1.000
NC	.064	-.120	.333	.638	.241	.550	.347	-.292	.578	.269	.439	.431	.418	.196	.278
SC	.003	-.017	.374	.487	.126	.503	.270	-.200	.488	.259	.227	.562	.371	.245	.218
SM	-.028	-.153	.631	.931	.564	.424	.509	-.095	.300	.599	.424	.174	.458	.626	.365
TI	-.071	-.141	.581	.881	.324	.682	.445	-.320	.592	.459	.421	.484	.474	.355	.291
VI	.000	-.154	.536	.560	.457	.323	.633	-.158	.386	.651	.594	.141	.568	.427	.516
VI	-.000	-.254	.550	.682	.434	.526	.599	-.441	.580	.484	.522	.611	.669	.422	.376
V	-.021	-.151	.427	.692	.169	.610	.288	-.302	.575	.273	.303	.547	.356	.225	.158
	NC	SC	SM	TI	V										
NC	1.000														
SC	.571	1.000													
SM	.543	.444	1.000												
TI	.718	.523	.752	1.000											
V	.326	.290	.549	.539	1.000										
VI	.681	.545	.622	.760	.558	1.000									
V	.668	.652	.570	.806	.376	.674	1.000								

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

EIGENVALUES CPTV ELEMENTS	FACTOR				
	1	2	3	4	5
	9.47552	2.67945	1.47151	1.19794	1.01287
	.43071	.55251	.61939	.67345	.71940
		UNROTATED	FACTOR	LOADINGS	
PH	-.01407	-.01535	-.24704	-.10369	.94401
MIJ	.24950	.09571	.44415	-.57431	-.12602
II	-.73051	-.12017	.15343	.09490	.08586
AL	-.87109	.11400	.27741	.23760	.08625
PA	-.60394	-.47991	-.00235	.21129	.02128
CA	-.64767	.27593	.28390	.04542	.02343
CE	-.71458	-.37900	-.18453	-.13719	-.08354
CL	.30943	-.30053	.61495	-.34849	.14400
CO	-.64194	.31240	-.10490	-.03287	.01384
DY	-.66345	-.43084	.25021	-.14713	.04700
EH	-.65254	-.31368	-.32282	-.24181	-.05702
FF	-.43895	.53349	-.11495	-.31499	-.00371
HF	-.71753	-.24465	-.40943	-.14385	-.19525
K	-.60344	-.42987	.27630	.31720	.00440
LU	-.53596	-.48747	-.06997	-.42524	.04645
MG	-.70391	.39349	-.08041	-.10634	.06605
MM	-.62236	.43704	.05930	-.20637	-.01151
NA	-.42632	-.07149	.37192	.22841	.06683
SC	-.86009	.33345	.12096	.06030	.06825
SM	-.72911	-.30979	-.01306	-.10777	-.04024
TI	-.95812	.13912	-.19533	.02759	-.07526
V	-.72047	.52149	.06101	-.01055	-.20379

Table 11. Regression Analysis Results, Stream Sediment

PROBLEM ILLIANA SS (TRAN)

STEPWISE REGRESSION CASE 1

DEPENDENT VARIABLE 3

F-LEVEL TO ENTER 5.00000

F-LEVEL TO REMOVE 5.00000

STANDARD ERROR OF Y .58460

STEP NO. 1

ENTERED VARIABLE 15

F-LEVEL 41.08364
STANDARD ERROR OF Y .51625
MULTIPLE CORRELATION .47501
R-SQUARED .22563
DEGREES OF FREEDOM 141
CONSTANT TERM 4.76974

VARIABLE	BETA PRIME	BETA	SE(BETA)
15	-.47501E+00	-.47432E+00	.74001E-01

STEP NO. 2

ENTERED VARIABLE 10

F-LEVEL 29.09779
STANDARD ERROR OF Y .47156
MULTIPLE CORRELATION .59873
R-SQUARED .35350
DEGREES OF FREEDOM 140
CONSTANT TERM 4.73953

VARIABLE	BETA PRIME	BETA	SE(BETA)
10	.37205E+00	.58779E+00	.10915E+00
15	-.54951E+00	-.54972E+00	.44021E-01

Table 11. Regression Analysis Results, Stream Sediment (continued)

STEP NO. 6

ENTERED VARIABLE 15

F-LEVEL 10.08281
STANDARD ERROR OF Y .42130
MULTIPLE CORRELATION .70375
R-SQUARED .49527
DEGREES OF FREEDOM 139
CONSTANT TERM 1.22721

VARIABLE	BETA PRIME	BETA	SE(BETA)
10	.30137E+00	.47612E+00	.10445E+00
13	.24805E+00	.13683E+00	.54210E-01
15	.22975E+00	.27430E+00	.44384E-01
17	-.56169E+00	-.71240E+00	.42748E-01

STEP NO. 7

ENTERED VARIABLE 14

F-LEVEL 4.73709
STANDARD ERROR OF Y .41240
MULTIPLE CORRELATION .72037
R-SQUARED .51403
DEGREES OF FREEDOM 137
CONSTANT TERM 1.44037

VARIABLE	BETA PRIME	BETA	SE(BETA)
10	.26772E+00	.42296E+00	.10668E+00
13	.20198E+00	.15213E+00	.34762E-01
14	.17447E+00	.14973E+00	.57481E-01
15	.21208E+00	.24244E+00	.45516E-01
17	-.50725E+00	-.65014E+00	.45422E-01

STEP NO. 8

ENTERED VARIABLE 9

F-LEVEL 6.50298
STANDARD ERROR OF Y .40463

Table 11. Regression Analysis Results, Stream Sediment (continued)

MULTIPLE CORRELATION .73584
 R-SQUARED .54117
 DEGREES OF FREEDOM 136
 CONSTANT TERM 1.35962

VARIABLE	BETA P2TME	BETA	SE(BETA)
9	.17884E+00	.12196E+00	.47499E-01
10	.27824E+00	.43958E+00	.10477E+00
13	.17492E+00	.13176E+00	.54280E-01
14	.18211E+00	.15409E+00	.56564E-01
15	.22671E+00	.25913E+00	.84076E-01
19	-.60713E+00	-.77803E+00	.27422E-01

ANALYSIS OF VARIANCE			
TERM	SS	DF	MS
TOTAL	.48529E+02	142	
REG	.26262E+02	6	.43771E+01
ERR	.22266E+02	136	.16372E+00

Table 12. Regression Analysis: Results, Lake Sediment

PROBLEM ILIACNA LS (TRAN)

STEPWISE REGRESSION CASE 1
DEPENDENT VARIABLE 2
F-LEVEL TO ENTER 5.00000
F-LEVEL TO REMOVE 5.00000
STANDARD ERROR OF Y .60593

STEP NO. 1

ENTERED VARIABLE 4

F-LEVEL 244.20570
STANDARD ERROR OF Y .45050
MULTIPLE CORRELATION .44995
R-SQUARED .44883
DEGREES OF FREEDOM 200
CONSTANT TERM -4.44454

VARIABLE	BETA PRIME	BETA	SE(BETA)
4	.46705E+00	.42055E+00	.53075E-01

STEP NO. 2

ENTERED VARIABLE 20

F-LEVEL 65.20433
STANDARD ERROR OF Y .43395
MULTIPLE CORRELATION .73004
R-SQUARED .54751
DEGREES OF FREEDOM 200
CONSTANT TERM -6.13153

VARIABLE	BETA PRIME	BETA	SE(BETA)
4	.45741E+00	.36420E+00	.50159E-01
20	.37917E+00	.37304E+00	.44307E-01

STEP NO. 3

ENTERED VARIABLE 10

F-LEVEL 19.00600
STANDARD ERROR OF Y .39780
MULTIPLE CORRELATION .75716
R-SQUARED .57320
DEGREES OF FREEDOM 200
CONSTANT TERM -5.03427

Table 12. Regression Analysis Results, Lake Sediment (continued)

VARIABLE	BETA COEFF	BETA	SE(BETA)
4	.39013E+00	.49418E+00	.59076E-01
10	.22035E+00	.20377E+00	.71622E-01
20	.26423E+00	.26444E+00	.51212E-01

STEP NO. 4

ENTERED VARIABLE 16

R-LEVEL 5.42818
STANDARD ERROR OF Y .30474
MULTIPLE CORRELATION .76239
R-SQUARED .54123
DEGREES OF FREEDOM 202
CONSTANT TERM -5.21072

VARIABLE	BETA COEFF	BETA	SE(BETA)
4	.48021E+00	.50442E+00	.72312E-01
10	.20672E+00	.28435E+00	.71513E-01
16	-.11459E+00	-.04255E-01	.39730E-01
20	.26924E+00	.26618E+00	.51514E-01

STEP NO. 5

ENTERED VARIABLE 21

R-LEVEL 7.01377
STANDARD ERROR OF Y .20020
MULTIPLE CORRELATION .76872
R-SQUARED .54093
DEGREES OF FREEDOM 204
CONSTANT TERM -5.22435

VARIABLE	BETA COEFF	BETA	SE(BETA)
4	.44443E+00	.51054E+00	.73497E-01
10	.19122E+00	.26704E+00	.71255E-01
16	-.14714E+00	-.15123E+00	.44838E-01
20	.23312E+00	.23004E+00	.52704E-01
21	.16044E+00	.13233E+00	.49047E-01

ANALYSIS OF VARIANCE

TERM	SS	DF	MS
TOTAL	.11051E+03	301	
REG	.45704E+02	5	.13341E+02
ERR	.44207E+02	204	.15273E+00

ILIAMNA, AK: STREAM SEDIMENT FACTOR SCORE 1

Figure 9. Stream Sediment Factor Score 1

ILIAMNA, AK: STREAM SEDIMENT FACTOR SCORE 2

Figure 10. Stream Sediment Factor Score 2

ILIAMNA, AK: STREAM SEDIMENT FACTOR SCORE 3

Figure 11. Stream Sediment Factor Score 3

ILIAMNA, AK: STREAM SEDIMENT RESIDUALS

Figure 12. Stream Sediment Residuals

ILIAMNA, AK: LAKE SEDIMENT FACTOR SCORE 1

Figure 13. Lake Sediment Factor Score 1

ILIAMNA, AK: LAKE SEDIMENT FACTOR SCORE 2

SCALE 1: 1000000

Figure 14. Lake Sediment Factor Score 2

ILIAMNA, AK: LAKE SEDIMENT FACTOR SCORE 3

Figure 15. Lake Sediment Factor Score 3

ILIAMNA, AK: LAKE SEDIMENT RESIDUALS

SCALE 1: 1000000

Figure 16. Lake Sediment Residuals

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Appendix A. Stream Sediment Data

Appendix A. Stream Sediment Data

ESTUARINE SEDIMENT DATA

PG. ONE - SAMPLE

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNG. PPM
421226	50.9139	153.0154	6.	78.	14.	.53	-5.	-5.	-5.	93.	-20.	24.	-5.	-15.
421227	50.9300	153.0472	7.	53.	7.	.50	-5.	-5.	-5.	85.	-20.	-15.	-5.	-10.
421228	50.9364	153.0192	7.	80.	1.	.61	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421229	50.8767	153.0702	7.	38.	7.	1.29	-5.	-5.	-5.	53.	-20.	-15.	-5.	-10.
421230	50.8711	153.1525	7.	40.	9.	.76	-5.	-5.	-5.	75.	-20.	-15.	-5.	-10.
421231	50.8146	153.0861	7.	90.	7.	1.31	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421232	50.8053	153.1504	7.	79.	3.	1.34	-5.	-5.	-5.	47.	-20.	19.	-5.	-10.
421233	50.9014	153.2372	7.	71.	5.	.62	-5.	-5.	-5.	85.	-20.	26.	-5.	-10.
421234	50.8411	153.2706	7.	63.	-999.	2.21	-5.	-5.	-5.	66.	-20.	37.	-5.	-10.
421235	50.8353	153.3177	7.	44.	3.	1.99	-5.	-5.	-5.	58.	-20.	-15.	-5.	-10.
421236	50.8217	153.2983	7.	39.	-999.	1.96	-5.	-5.	-5.	55.	-20.	20.	-5.	-10.
421237	50.8129	153.3231	6.	56.	5.	1.06	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421239	50.7317	153.3311	7.	61.	7.	1.35	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421240	50.9158	154.4750	7.	24.	9.	1.97	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421267	50.9594	155.6307	7.	32.	9.	2.72	-5.	-5.	-5.	13.	-20.	-15.	-5.	-10.
421268	50.9544	155.6609	6.	35.	1.	1.73	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.
421363	50.7000	155.4047	7.	39.	-999.	2.16	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421396	50.9728	154.2041	7.	11.	7.	2.43	-5.	-5.	-5.	23.	-20.	-15.	11.	-10.
421398	50.9561	154.0675	7.	11.	3.	2.32	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421399	50.9763	153.9747	7.	70.	-999.	2.16	-5.	-5.	-5.	38.	-20.	-15.	21.	-10.
421401	50.9141	153.9861	8.	19.	1.	3.16	-5.	-5.	-5.	54.	-20.	-15.	22.	-10.
421403	50.9283	154.2031	7.	14.	-999.	6.56	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421404	50.9314	154.1636	9.	24.	-999.	3.34	-5.	-5.	-5.	36.	-20.	-15.	10.	-10.
421406	50.8983	154.1531	7.	8.	3.	5.44	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421408	50.8531	154.2419	11.	18.	1.	2.05	-5.	-5.	-5.	51.	-20.	20.	-5.	-10.
421412	50.8014	154.1502	7.	6.	3.	1.95	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421413	50.8281	154.1031	7.	9.	1.	2.54	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421414	50.8901	153.9833	8.	16.	1.	2.77	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421415	50.8878	154.0356	7.	9.	-999.	3.04	-5.	-5.	-5.	47.	-20.	-15.	22.	-10.
421416	50.8603	154.0608	7.	8.	-999.	13.21	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421421	50.7936	153.8169	7.	14.	3.	.65	-5.	-5.	-5.	74.	-20.	-15.	-5.	-10.
421422	50.8170	153.7294	7.	15.	-999.	1.76	-5.	-5.	-5.	43.	-20.	35.	-5.	-10.
421423	50.8297	153.6825	7.	7.	-999.	.57	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421424	50.8342	153.6147	7.	8.	3.	.50	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421425	50.7719	153.6433	7.	4.	-999.	.60	-5.	-5.	-5.	64.	-20.	-15.	-5.	-10.
421426	50.8072	153.6333	7.	5.	7.	.47	-5.	-5.	-5.	65.	-20.	18.	-5.	-10.
421427	50.7969	153.5567	5.	2.	3.	1.25	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421428	50.7703	153.4794	7.	12.	1.	1.26	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421430	50.8058	153.4616	7.	115.	3.	1.73	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421431	50.8375	153.4578	7.	9.	11.	1.11	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421433	50.8801	153.5036	7.	10.	7.	.84	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421434	50.9003	153.4708	7.	4.	5.	.61	-5.	-5.	-5.	99.	-20.	76.	-5.	-10.
421435	50.9150	153.4847	8.	56.	1.	1.70	-5.	-5.	-5.	52.	-20.	17.	-5.	-10.
421437	50.9478	153.3211	7.	13.	3.	.90	-5.	-5.	-5.	94.	-20.	33.	-5.	-10.
421438	50.9572	153.2397	7.	121.	1.	.54	-5.	-5.	-5.	83.	-20.	-15.	-5.	-10.
421439	50.9631	153.2108	7.	22.	-999.	1.54	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421440	50.9417	153.2500	7.	23.	3.	.64	-5.	-5.	-5.	86.	-20.	26.	-5.	-10.
421442	50.9803	153.5064	6.	7.	1.	.96	-5.	-5.	-5.	60.	-20.	27.	-5.	-10.
421443	50.9750	153.5450	7.	7.	1.	1.31	-5.	-5.	-5.	77.	-20.	79.	-5.	-10.
421444	50.9436	153.7092	7.	12.	3.	.96	-5.	-5.	-5.	58.	-20.	-15.	-5.	-10.

ILIANA STEAM SHIPMENTS

PG. TWO - SAMPLE 1

SAMPLE NO.	SI PPM	II PPM	AI PPM	AM PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CU PPM	CS PPM	CV PPM	EU PPM	FE PPM	HI PPM	NI PPM	12 PPM
421226	-1.	9.	66410.	-0.	-775.	33480.	50.	-154.	64.0	72.	-2.4	3.	.7	206900.	3.6	-5874.	-13.
421227	-1.	9.	66010.	-0.	-709.	40480.	-5.	-148.	45.1	70.	-2.1	2.	.6	138300.	2.5	-5442.	-12.
421228	-999.	-999.	18940.	-0.	-462.	20750.	104.	-213.	93.4	128.	-4.7	-3.	-6	325100.	10.6	-10280.	-22.
421229	-1.	39.	65100.	-0.	454.	28760.	28.	-162.	13.0	49.	-2.2	3.	1.2	7220.	3.3	16830.	-13.
421230	-1.	26.	75550.	-0.	315.	43420.	17.	-150.	20.9	30.	4.7	3.	1.1	62730.	2.4	-5047.	-13.
421231	-999.	-999.	87930.	-0.	787.	20920.	19.	-127.	13.5	30.	-1.9	4.	1.1	43960.	3.2	15100.	-11.
421232	-1.	39.	76880.	-0.	466.	18590.	17.	-144.	18.5	58.	-2.8	3.	1.0	80300.	9.1	10810.	-17.
421233	-1.	11.	76570.	-0.	-178.	49460.	31.	254.	21.7	40.	-2.0	3.	.7	61490.	2.9	-4679.	-11.
421234	1.	61.	40200.	-0.	843.	22020.	45.	-159.	20.6	91.	4.3	4.	1.5	50180.	4.7	13540.	-18.
421235	-1.	31.	81500.	-0.	685.	21810.	29.	-160.	15.6	56.	-3.4	5.	1.2	58960.	4.4	9417.	-13.
421236	1.	51.	81300.	-0.	679.	25320.	37.	222.	14.7	67.	-3.1	5.	1.2	47300.	3.7	12970.	18.
421237	-999.	-999.	80860.	-0.	512.	27020.	15.	-123.	16.4	76.	-2.3	3.	1.0	65030.	3.1	8470.	11.
421238	-999.	-999.	75650.	-0.	511.	17610.	17.	-123.	17.2	59.	-2.0	3.	1.1	58880.	3.3	11960.	10.
421239	-999.	-999.	72740.	-0.	685.	28570.	48.	-151.	13.0	61.	3.1	3.	1.4	45340.	6.1	12210.	19.
421240	1.	21.	74070.	-0.	701.	17720.	54.	-176.	11.6	57.	0.1	4.	1.5	42940.	7.5	14250.	23.
421241	-1.	3.	28720.	-0.	-393.	20300.	24.	443.	-1.	-31.	-4.2	-3.	-1.0	18550.	-7.5	-7401.	-19.
421303	-999.	-999.	74280.	-0.	933.	20750.	-23.	-379.	-2.	-42.	-6.2	6.	-1.4	25360.	-4.9	-12740.	-15.
421304	1.	15.	69360.	-0.	639.	23990.	64.	-164.	7.3	-11.	-1.9	5.	1.7	46610.	13.2	8854.	27.
421305	-999.	-999.	75750.	-0.	648.	24980.	49.	-223.	11.6	-17.	-2.9	6.	1.5	44660.	5.5	14530.	19.
421309	-1.	20.	70910.	-0.	737.	32760.	43.	297.	8.4	-14.	-2.4	3.	1.1	41810.	8.5	16230.	16.
421401	-1.	16.	73660.	-0.	711.	25770.	42.	479.	9.2	18.	-1.6	3.	1.1	33470.	4.3	14570.	16.
421403	-999.	-999.	68680.	-0.	481.	34080.	52.	299.	15.9	41.	-3.1	6.	1.5	82720.	7.2	-8575.	24.
421404	1.	22.	76750.	-0.	599.	34910.	32.	239.	9.3	22.	-1.7	3.	1.2	35810.	5.5	17660.	17.
421406	-999.	-999.	57010.	-0.	333.	29090.	45.	-138.	15.5	57.	-1.6	4.	1.4	96730.	13.8	12420.	27.
421408	-1.	18.	74090.	-0.	763.	31520.	44.	209.	8.2	22.	-1.8	4.	1.4	31570.	6.4	12560.	22.
421411	-999.	-999.	67580.	-0.	792.	15830.	29.	-160.	3.8	24.	-1.3	2.	.8	23590.	5.0	19100.	13.
421413	-999.	-999.	66070.	-0.	696.	16260.	27.	-137.	4.5	10.	-1.0	2.	.7	29050.	5.3	19720.	15.
421414	-999.	-999.	67170.	-0.	691.	23740.	46.	215.	9.7	27.	-1.8	3.	1.2	41580.	6.7	14920.	18.
421415	1.	17.	65330.	-0.	588.	19000.	56.	-145.	7.6	19.	-1.5	3.	.9	51860.	9.8	12160.	24.
421416	-999.	-999.	28830.	-0.	-349.	6697.	162.	-229.	27.3	101.	-2.5	5.	1.7	301600.	42.4	-8717.	95.
421421	-1.	18.	72370.	-0.	420.	43430.	18.	154.	23.2	46.	-2.0	3.	.9	75990.	4.7	-4994.	9.
421422	-1.	6.	51300.	-0.	724.	18490.	60.	377.	10.1	68.	3.9	4.	1.2	56810.	6.0	9184.	15.
421423	-999.	-999.	81940.	-0.	-476.	49830.	-13.	-257.	14.8	-28.	-4.7	5.	-7	50950.	-3.1	-9683.	-11.
421424	-999.	-999.	71890.	-0.	440.	43400.	-7.	-181.	22.4	26.	-2.6	4.	1.0	71210.	3.5	-6332.	-5.
421425	-1.	8.	71360.	-0.	-179.	50350.	18.	-142.	21.0	27.	-1.8	3.	1.1	69880.	3.6	-4841.	8.
421426	-1.	14.	68340.	-0.	209.	47240.	26.	230.	25.0	42.	-2.5	3.	1.2	86630.	4.7	-5083.	10.
421427	-999.	-999.	57170.	-0.	-306.	39940.	-9.	270.	28.2	121.	-1.6	4.	.9	171100.	18.6	-6923.	16.
421428	-999.	-999.	67770.	-0.	-423.	45440.	19.	221.	23.7	63.	-4.2	5.	1.1	135600.	17.3	-9744.	-8.
421430	-999.	-999.	76870.	-0.	315.	32630.	30.	343.	17.4	48.	-2.8	7.	1.5	44040.	3.1	15380.	-6.
421431	-999.	-999.	72620.	-0.	-723.	43860.	-27.	-350.	22.2	-54.	-9.7	5.	-1.5	90890.	9.5	-13660.	-20.
421432	-999.	-999.	66870.	-0.	-267.	48170.	21.	-163.	27.8	62.	-3.1	4.	1.2	99040.	4.9	-6288.	9.
421434	-1.	12.	63860.	-0.	-220.	47220.	24.	-149.	31.6	70.	-2.3	3.	1.4	121200.	6.5	-5364.	13.
421435	-1.	18.	77730.	-0.	584.	29910.	23.	735.	11.6	35.	-2.1	3.	.9	35920.	3.6	-5814.	-5.
421437	-1.	8.	69140.	-0.	-177.	47360.	40.	234.	21.9	38.	-2.0	3.	.8	87050.	4.6	-4492.	9.
421438	-1.	11.	68470.	-0.	-219.	46250.	15.	196.	35.6	55.	-2.2	3.	.7	104800.	5.7	-5309.	6.
421439	-999.	-999.	64240.	-0.	310.	19980.	29.	-144.	13.6	32.	-1.8	5.	1.4	51570.	4.0	10690.	13.
421440	-1.	25.	77690.	-0.	-141.	44880.	32.	267.	22.9	30.	-2.1	2.	1.1	63700.	3.9	-4659.	-4.
421442	-1.	7.	59190.	-0.	831.	15720.	25.	-184.	4.7	29.	1.2	3.	.7	19500.	2.3	-6007.	12.
421443	1.	8.	67360.	-0.	649.	20230.	23.	-141.	6.9	33.	-1.1	2.	.9	24830.	3.6	13280.	14.
421444	1.	14.	79350.	-0.	774.	28730.	27.	-134.	5.3	14.	-1.3	2.	1.6	14200.	2.4	9795.	12.

ILLIANA STREAM SEDIMENTS

PG. THREE - SAMPLE 1

SAMPLE NO.	LI PPM	PG PPM	MM PPM	MA PPM	PB PPM	SB PPM	SC PPM	SP PPM	SP PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	VB PPM	ZN PPM	U/TH RATIO
421222	.3	18670.	2169.	13950.	-61.	-5.	33.0	2.0	-441.	-2.	-1.	-1.5	10570.	750.	-3.2	374.	-999.000
421227	.7	22750.	1825.	18020.	-51.	-5.	28.4	1.8	422.	-1.	-1.	-1.2	8279.	540.	-2.5	-50.	-999.000
421228	.3	34230.	1694.	4317.	-127.	-10.	36.3	-2.6	-964.	-3.	-2.	-2.9	26030.	1553.	-6.3	284.	-999.000
421229	.3	11000.	774.	23720.	-48.	-5.	19.2	2.5	-337.	-2.	-1.	1.9	3772.	148.	-3.2	-50.	1.473
421230	.5	13430.	1259.	25080.	-46.	-5.	25.9	3.2	-376.	-1.	-1.	1.6	3738.	187.	-2.6	117.	2.105
421231	.3	11940.	634.	23110.	-40.	-4.	17.0	2.8	407.	-1.	-1.	1.6	3853.	155.	-2.3	-42.	1.221
421232	.4	11810.	961.	17970.	-59.	-6.	22.5	-1.7	-405.	-2.	-1.	2.6	7411.	314.	-3.5	-62.	1.942
421233	.2	16720.	1132.	23660.	-44.	-4.	23.3	2.4	-334.	-1.	-1.	-1.2	3219.	208.	3.0	-44.	-999.000
421234	.4	14130.	994.	20790.	-63.	-6.	20.7	4.6	-430.	-2.	-1.	5.3	4237.	166.	3.6	248.	2.398
421235	.3	14330.	1090.	19360.	-79.	-4.	20.0	3.5	-451.	-3.	-2.	3.5	3502.	164.	3.7	209.	1.757
421236	.3	12940.	851.	27117.	-69.	-3.	18.1	4.4	-408.	-3.	-2.	4.8	3791.	149.	-3.0	-64.	2.451
421237	.3	12000.	816.	18690.	-47.	-2.	22.2	2.3	-301.	-2.	-1.	1.3	4564.	209.	-1.8	-52.	1.227
421239	.2	15790.	787.	22410.	-45.	-2.	19.9	2.4	-298.	-2.	-1.	1.9	4600.	186.	2.2	-53.	1.406
421246	.4	10410.	1074.	23530.	-45.	-2.	16.4	3.7	-370.	-2.	-1.	3.6	3567.	121.	2.9	96.	1.808
421247	.4	7104.	1006.	15850.	-81.	-4.	14.4	4.7	-521.	-4.	-2.	4.6	5735.	84.	-3.6	-100.	2.427
421268	.3	-3256.	769.	6727.	-104.	-5.	5.2	4.1	-608.	-4.	-2.	-3.4	-1518.	35.	-4.5	-144.	-999.000
421363	.4	-6739.	1064.	25590.	-155.	-5.	10.1	-1.5	-999.	-7.	-3.	-4.5	4763.	81.	-5.3	-189.	-999.000
421366	.6	9479.	1368.	27350.	67.	-2.	14.1	5.8	-397.	-1.	2.	4.6	3636.	112.	4.8	-46.	1.626
421398	.4	11440.	1540.	30670.	-63.	-2.	14.6	3.9	-610.	-3.	-1.	2.9	5772.	146.	-2.2	-79.	1.250
421399	.4	8990.	1405.	23500.	-50.	-2.	12.3	-3.4	-430.	-2.	-1.	3.0	2968.	115.	-1.7	-65.	1.271
421401	.4	6530.	896.	25660.	-37.	-2.	11.2	3.5	-344.	-1.	1.	4.7	2425.	86.	3.0	135.	1.488
421403	.4	14520.	2008.	20140.	-71.	-3.	18.3	4.0	-718.	-2.	-1.	4.4	8699.	251.	3.2	-126.	1.671
421404	.3	7460.	999.	24050.	-34.	-2.	13.3	3.2	-352.	-1.	1.	3.1	2907.	115.	2.9	-33.	1.917
421406	.4	10530.	1530.	19510.	-36.	-2.	12.9	3.9	-362.	-1.	-1.	5.9	4475.	261.	3.7	96.	1.085
421408	.3	7694.	978.	25920.	-36.	-2.	10.6	4.3	-405.	-1.	-1.	3.7	2694.	89.	-1.7	168.	1.805
421412	.2	4580.	745.	30780.	-30.	-1.	6.2	2.1	-365.	-1.	-1.	3.2	1857.	52.	2.4	-44.	1.739
421413	.2	4645.	779.	29560.	45.	-1.	6.0	1.8	-297.	-1.	-999.	4.1	2205.	60.	1.9	-63.	1.613
421414	.4	6712.	1046.	23940.	-35.	-2.	11.4	3.5	-348.	-1.	-1.	5.4	3116.	106.	3.3	-39.	1.949
421415	.4	4363.	1216.	25860.	-34.	-2.	8.5	3.8	-361.	-1.	-1.	4.4	2759.	111.	2.8	-84.	1.447
421416	1.1	-4045.	3138.	11710.	-69.	-3.	16.7	13.2	-677.	4.	-2.	30.2	9729.	656.	8.5	182.	2.288
421421	.2	17140.	1261.	20750.	-41.	-2.	23.1	2.6	-365.	-1.	-1.	-1.1	4642.	266.	2.4	-52.	-999.000
421422	.3	9318.	529.	12510.	-73.	-4.	12.0	4.0	-400.	-3.	-2.	5.1	3411.	111.	-2.9	-86.	2.899
421423	.3	18160.	1389.	20150.	-102.	-5.	20.1	2.6	-786.	-4.	-2.	-2.9	5539.	195.	-4.4	-102.	-999.000
421424	.3	17690.	1387.	20490.	-57.	-3.	26.6	2.9	-507.	-2.	-1.	-1.6	4755.	240.	2.9	-50.	-999.000
421425	.3	16200.	1310.	22030.	-37.	-2.	25.0	3.3	-349.	-1.	-1.	-1.0	3400.	217.	2.5	-44.	-999.000
421426	.4	19850.	1502.	19650.	-47.	-3.	28.0	3.8	-378.	-1.	-1.	-1.4	4683.	279.	2.8	-52.	-999.000
421427	.3	16070.	1639.	11910.	-88.	-4.	22.0	2.9	-549.	-3.	-2.	-2.1	8235.	674.	-2.9	-97.	-999.000
421428	.4	20150.	1870.	17040.	-95.	-4.	27.9	2.8	-746.	-3.	-2.	-2.5	8413.	587.	-3.3	196.	-999.000
421430	.5	14260.	1272.	26380.	-57.	-3.	19.9	4.2	-538.	-2.	-1.	2.5	3193.	140.	5.4	176.	1.445
421431	.5	26340.	1874.	20130.	-179.	-10.	31.1	-2.3	-999.	-7.	-4.	-5.7	6255.	444.	-8.5	-213.	-999.000
421433	.3	21860.	1591.	18000.	-64.	-3.	28.1	3.4	-488.	-2.	-1.	-1.8	6629.	354.	-2.4	-74.	-999.000
421434	.4	17880.	1532.	15910.	-48.	-2.	31.4	4.1	-414.	-1.	-1.	-1.3	5774.	371.	2.7	-54.	-999.000
421435	.2	11570.	1006.	22940.	-43.	-2.	13.2	2.2	-432.	-1.	-1.	2.2	2425.	118.	3.0	113.	1.294
421437	.2	14830.	1235.	20920.	-42.	-2.	26.1	2.3	-333.	-1.	-1.	1.2	4163.	317.	2.2	-47.	2.000
421438	.3	18310.	1417.	19580.	-46.	-2.	28.6	2.8	-407.	-1.	-1.	-1.2	5912.	371.	1.9	-58.	-999.000
421439	.5	5738.	1071.	27840.	-34.	-2.	27.9	4.2	-327.	-1.	1.	1.8	3487.	108.	4.4	-38.	1.139
421440	.3	14690.	1169.	23760.	-41.	-2.	22.5	2.6	403.	-1.	-1.	-1.3	3319.	203.	3.5	-44.	-999.000
421442	.2	4224.	1463.	30750.	-26.	1.	5.9	2.6	-461.	-1.	1.	1.8	-1138.	47.	2.5	57.	1.876
421443	.1	5642.	778.	30500.	-23.	-1.	6.	2.0	-303.	-1.	-999.	2.2	1443.	65.	1.7	-58.	1.681
421444	.1	6598.	530.	33530.	-27.	-1.	7.1	2.1	628.	-1.	-1.	1.3	2184.	41.	1.0	-32.	1.355

ILIADNA STREAM SEDIMENTS

PG. ONE - SAMPLE 2

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM	
421445	59.9131	153.7442	7.	16.	3.	1.07	-5.	-5.	-5.	73.	-20.	20.	-5.	-10.	16.
421446	59.8874	153.7778	7.	13.	1.	1.90	-5.	-5.	-5.	66.	-20.	32.	-5.	14.	18.
421447	59.8878	153.6556	8.	9.	3.	.97	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.
421448	59.9144	153.6353	7.	4.	3.	.86	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421449	59.8725	153.6797	6.	8.	3.	.89	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421450	59.8583	153.7503	7.	5.	5.	2.47	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421451	59.7594	153.7414	7.	3.	1.	1.07	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421452	59.7683	153.8289	7.	10.	3.	1.27	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421453	59.8478	153.8597	7.	14.	-999.	2.11	-5.	-5.	-5.	67.	-20.	-15.	-5.	-10.	-15.
421454	59.8808	153.8967	7.	11.	3.	2.69	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421456	59.9714	153.8822	8.	3.	-999.	3.40	-5.	-5.	-5.	70.	-20.	-15.	37.	-10.	23.
421467	59.7067	154.0386	7.	53.	3.	.40	-5.	-5.	-5.	150.	-20.	158.	-5.	-10.	-15.
421471	59.6519	153.8536	7.	2.	3.	1.30	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421473	59.6247	153.8844	7.	15.	3.	1.83	-5.	-5.	-5.	51.	-20.	-15.	-5.	-10.	-15.
421476	59.6439	153.9783	7.	22.	1.	1.03	-5.	-5.	-5.	95.	-20.	36.	-5.	-10.	-15.
421478	59.6319	154.0867	7.	19.	7.	1.87	-5.	-5.	-5.	94.	-20.	24.	-5.	-10.	-15.
421480	59.5428	154.0636	7.	20.	3.	.85	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421482	59.5425	153.9331	11.	36.	1.	1.10	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421507	59.5406	154.3525	7.	45.	5.	1.17	-5.	-5.	-5.	51.	-20.	30.	19.	14.	-15.
421514	59.6036	154.3222	7.	40.	-999.	1.81	-5.	-5.	-5.	27.	-20.	-15.	10.	-10.	-15.
421520	59.6111	154.5658	7.	39.	1.	1.18	-5.	-5.	-5.	27.	-20.	-15.	14.	-10.	-15.
421524	59.6100	154.2300	6.	39.	-999.	1.12	-5.	-5.	-5.	78.	-20.	112.	-5.	-10.	15.
421537	59.6217	153.8439	7.	60.	-999.	1.20	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421538	59.3772	153.5119	6.	81.	1.	1.06	-5.	-5.	-5.	41.	-20.	-15.	-5.	-10.	-15.
421540	59.3311	153.4539	7.	59.	-999.	.77	-5.	-5.	-5.	51.	-20.	34.	-5.	-10.	-15.
421541	59.3297	153.3969	7.	870.	-999.	.77	-5.	-5.	-5.	50.	-20.	54.	-5.	-10.	-15.
421542	59.3792	153.3781	-999.	-999.	-999.	1.10	-5.	-5.	-5.	47.	-20.	16.	-5.	-10.	-15.
421544	59.4500	153.7503	7.	67.	3.	1.43	-5.	-5.	81.	85.	-20.	49.	-5.	22.	-15.
421546	59.4869	153.8272	7.	47.	-999.	1.79	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421548	59.5694	153.8139	7.	13.	7.	.81	-5.	-5.	-5.	64.	-20.	22.	-5.	39.	-15.
421549	59.5503	153.7258	7.	33.	3.	.64	-5.	-5.	-5.	48.	-20.	79.	-5.	-10.	-15.
421550	59.5708	153.7347	7.	25.	-999.	.84	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421551	59.6094	153.6842	7.	16.	3.	.55	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421552	59.6392	153.7153	7.	22.	-999.	.86	-5.	-5.	-5.	106.	-20.	78.	-5.	32.	-15.
421553	59.7006	153.5903	7.	7.	1.	2.10	-5.	-5.	-5.	79.	-20.	35.	-5.	-10.	-15.
421555	59.7050	153.6772	7.	4.	3.	1.17	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421556	59.7072	153.7228	7.	7.	3.	.81	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421557	59.7217	153.7992	7.	8.	-999.	.43	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421559	59.6619	153.5314	7.	17.	3.	.65	-5.	-5.	-5.	119.	-20.	54.	-5.	24.	-15.
421560	59.6589	153.5158	7.	42.	-999.	1.78	-5.	-5.	-5.	75.	-20.	56.	-5.	-10.	-15.
421561	59.7358	153.4544	7.	27.	1.	.98	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421563	59.6883	153.3081	7.	139.	1.	1.21	-5.	-5.	-5.	74.	-20.	17.	-5.	-10.	-15.
421567	59.7503	153.0756	7.	37.	1.	1.26	-5.	-5.	-5.	86.	-20.	18.	-5.	-10.	-15.
421569	59.7156	153.1436	7.	46.	-999.	1.19	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421570	59.6797	153.1769	7.	693.	-999.	1.35	-5.	-5.	-5.	58.	-20.	19.	-5.	-10.	-15.
421571	59.6539	153.1703	7.	38.	1.	1.17	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421573	59.6414	153.3947	7.	36.	-999.	.79	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421574	59.6664	153.3636	7.	15.	1.	1.49	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421576	59.5686	153.6206	7.	88.	3.	2.57	-5.	-5.	-5.	44.	-20.	57.	-5.	-10.	-15.
421577	59.5550	153.6144	7.	98.	7.	2.43	-5.	-5.	-5.	74.	-20.	72.	15.	-10.	-15.

ELIABHA STRAIT SEDIMENTS

PG. TWO - SAMPLE

SAMPLE NO.	GF PPM	LI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CR PPM	CS PPM	DV PPM	EU PPM	FE PPM	HA PPM	K PPM	LA PPM
421445	-1.	11.	65210.	-0.	594.	285 J.	45.	-139.	13.4	71.	-1.6	3.	1.2	97220.	17.5	9251.	21.
421446	1.	14.	75750.	-0.	552.	33120.	40.	-165.	8.1	25.	-1.5	4.	1.3	39260.	6.5	8242.	18.
421447	-1.	16.	74330.	-0.	764.	19010.	11.	-133.	7.5	17.	1.8	1.	.8	24300.	2.6	13420.	7.
421448	-999.	-999.	81120.	-0.	1214.	24710.	-13.	457.	6.6	-25.	-3.8	3.	-.7	32360.	-2.8	-8646.	-17.
421449	-999.	-999.	72910.	-0.	731.	28900.	33.	-205.	10.7	56.	-2.9	4.	.7	28830.	4.4	9499.	19.
421450	-999.	-999.	78740.	-0.	-603.	29880.	29.	302.	8.0	44.	-3.0	4.	.8	60620.	6.2	11730.	-8.
421451	-999.	-999.	89800.	-0.	-740.	58880.	-17.	-361.	22.2	-35.	-6.0	-5.	-1.0	59770.	-4.0	-13890.	-18.
421452	-999.	-999.	18990.	-0.	-751.	15290.	147.	-123.	51.8	307.	-3.6	2.	-.4	491800.	51.3	-5616.	-4.
421453	2.	13.	71670.	-0.	978.	31720.	52.	-137.	8.0	29.	-1.4	3.	1.2	38470.	7.5	11570.	20.
421454	-999.	-999.	68860.	-0.	677.	20730.	41.	-173.	9.5	15.	-1.6	3.	.8	47230.	7.5	15320.	25.
421455	-1.	20.	74520.	-0.	625.	22160.	46.	460.	7.7	-12.	-2.0	3.	1.2	35260.	12.5	16140.	21.
421456	-1.	18.	71750.	0.	-723.	63410.	-8.	362.	49.7	512.	-3.5	4.	.7	79880.	-2.1	-5351.	-5.
421457	-999.	-999.	48610.	-0.	-495.	27700.	-17.	562.	-4.4	-32.	4.8	-3.	-1.0	18740.	-3.6	-9391.	-13.
421473	-1.	19.	66150.	-0.	-741.	37090.	19.	357.	28.5	68.	-2.2	3.	1.1	110100.	5.9	-5825.	9.
421474	-1.	21.	75390.	-0.	-206.	41410.	41.	247.	22.7	100.	-2.8	4.	1.2	55750.	2.5	-5128.	-4.
421478	-1.	17.	75180.	-0.	508.	40500.	22.	246.	25.5	98.	3.6	4.	1.0	69670.	3.0	-5024.	11.
421480	-999.	-999.	75170.	-0.	-200.	44890.	19.	291.	24.2	32.	-2.1	3.	1.1	60050.	2.6	-5277.	-4.
421482	-999.	-999.	80590.	-0.	481.	44550.	23.	527.	16.0	35.	-2.1	3.	1.1	42720.	3.6	-4658.	-4.
421507	-1.	19.	83630.	-0.	464.	36940.	26.	-147.	19.1	74.	3.7	3.	1.3	62120.	4.1	6746.	10.
421514	-1.	20.	73400.	-0.	741.	18400.	39.	911.	6.3	-21.	5.0	4.	1.2	23500.	3.9	14490.	-8.
421520	-1.	14.	59810.	-0.	843.	22490.	23.	455.	4.0	46.	4.2	-2.	1.0	28090.	2.6	12760.	-0.
421529	-1.	9.	78170.	-0.	-241.	41090.	25.	377.	40.3	277.	-2.4	4.	1.2	76870.	3.7	-6006.	12.
421537	-999.	-999.	77480.	-0.	371.	37800.	27.	369.	17.7	54.	-2.4	3.	.9	43620.	2.7	11300.	9.
421538	-1.	29.	77510.	-0.	477.	39680.	68.	778.	11.9	-13.	-2.1	4.	1.1	36550.	4.1	7978.	8.
421540	-1.	25.	68850.	-0.	335.	44740.	13.	363.	24.4	88.	-2.7	3.	.9	70550.	2.9	-5180.	9.
421541	-1.	25.	74120.	-0.	280.	44790.	31.	503.	20.9	83.	-1.9	3.	1.0	55230.	2.8	-4887.	8.
421542	-1.	23.	77950.	-0.	492.	41430.	34.	513.	13.1	32.	-2.1	4.	1.2	36840.	3.7	9295.	10.
421544	-1.	13.	62020.	-0.	-250.	25410.	49.	450.	30.9	112.	-2.5	4.	1.0	135400.	4.1	-5906.	10.
421547	-999.	-999.	79000.	-0.	-432.	59890.	-13.	-273.	15.8	94.	-4.4	5.	-.7	48280.	-2.9	-9897.	-13.
421548	-1.	17.	61270.	-0.	-202.	35320.	58.	-142.	29.4	154.	-2.4	4.	1.0	111300.	5.1	-5143.	10.
421549	-1.	10.	67840.	-0.	-215.	50980.	36.	227.	41.4	182.	-2.3	3.	.8	80440.	1.8	-5196.	7.
421550	-999.	-999.	84090.	-0.	254.	47330.	13.	359.	26.8	111.	-2.3	2.	.7	55390.	2.2	-5618.	-4.
421551	-999.	-999.	80200.	-0.	-254.	41630.	-9.	571.	19.6	-20.	-3.4	3.	.9	59240.	-2.2	-6182.	-8.
421552	-1.	29.	69070.	-0.	-195.	40240.	28.	-145.	23.4	54.	-2.6	4.	1.0	57500.	3.6	-4927.	9.
421553	-1.	41.	73520.	-0.	526.	38180.	36.	402.	23.2	69.	4.3	5.	1.2	62550.	4.3	14010.	11.
421555	-999.	-999.	77560.	-0.	-238.	44110.	22.	288.	21.5	39.	-2.3	3.	1.0	63100.	2.6	-5709.	-4.
421556	-999.	-999.	72970.	-0.	-250.	47980.	40.	-167.	29.9	62.	-2.7	4.	.9	104200.	5.9	-6292.	6.
421557	-999.	-999.	82470.	-0.	-679.	59710.	-33.	-338.	23.6	-65.	-10.3	5.	-1.9	69300.	-7.3	-13530.	-33.
421559	-1.	18.	69460.	-0.	-252.	46170.	19.	-165.	27.7	180.	-2.6	3.	1.1	96040.	3.8	-6011.	8.
421560	-1.	17.	77860.	-0.	-233.	34010.	32.	299.	24.8	143.	-2.7	3.	1.2	65370.	2.3	-6027.	11.
421561	-999.	-999.	75250.	-0.	-730.	47030.	-36.	-355.	-8.8	-69.	-10.7	6.	-2.0	65700.	-7.7	-14270.	-39.
421563	-1.	41.	83160.	-0.	583.	19850.	23.	-142.	14.1	33.	-2.1	3.	.9	49760.	3.2	15000.	11.
421567	-1.	36.	78850.	-0.	723.	24610.	27.	-137.	16.2	80.	-2.3	4.	1.3	59780.	3.6	10390.	13.
421569	-999.	-999.	82260.	-0.	734.	19670.	24.	-139.	14.0	35.	-2.9	4.	1.1	49080.	-1.9	7586.	11.
421570	-1.	43.	73270.	-0.	517.	18060.	20.	920.	21.2	65.	-2.1	3.	.8	80600.	5.1	7050.	12.
421571	-999.	-999.	84850.	-0.	685.	38870.	-11.	-230.	9.6	96.	-3.5	4.	1.1	43990.	-2.4	12030.	-9.
421573	-999.	-999.	78540.	-0.	527.	39840.	-8.	224.	16.8	60.	-2.6	2.	.8	36780.	-1.8	16440.	-7.
421574	-999.	-999.	101600.	-1.	-3315.	-21340.	-111.	-1460.	-1.2	-150.	-25.8	-73.	-5.9	77950.	-20.1	-34820.	-110.
421576	-1.	47.	57320.	-0.	-187.	74580.	31.	239.	21.2	181.	-2.7	3.	.8	66470.	-1.2	-4531.	12.
421577	-1.	49.	60500.	-0.	-216.	72280.	19.	332.	16.6	131.	-2.3	3.	1.2	58420.	-1.3	-4992.	10.

ELIATHA STRAIN SEDIMENTS

PG. THREE - SAMPLE 2

SAMPLE NO.	TH PPM	PC PPM	PN PPM	NA PPM	OB PPM	SA PPM	SC PPM	SR PPM	SB PPM	TA PPM	TS PPM	TH PPM	TI PPM	V PPM	VA PPM	ZP PPM	U2/P1 RATIO
421444	.4	9739.	1110.	27310.	-41.	-2.	9.7	4.1	-337.	-1.	-1.	6.5	4468.	265.	2.1	-41.	2.119
421445	.7	9746.	835.	30750.	-34.	-2.	10.1	4.3	-381.	-1.	-1.	4.1	2745.	96.	3.4	99.	2.160
421447	.1	6219.	506.	32310.	-25.	2.	6.4	1.1	327.	-1.	-555.	.7	1508.	65.	1.3	36.	.722
421448	-.2	9002.	1054.	30840.	-81.	-4.	9.8	3.3	-676.	-1.	-2.	-2.6	3519.	125.	-3.7	-92.	-999.000
421449	-.2	10560.	1186.	26390.	-68.	-3.	12.0	2.8	-559.	-2.	-1.	2.6	3689.	283.	-2.6	-74.	2.924
421450	.9	8707.	1022.	29100.	-72.	-3.	10.2	2.1	-656.	-2.	-1.	2.8	3929.	222.	-2.4	-79.	1.134
421451	-.3	24340.	1678.	22570.	-126.	-7.	20.8	2.1	-999.	-5.	-3.	-3.8	8281.	265.	-5.3	-140.	-999.000
421452	.3	6722.	1967.	4421.	-103.	-4.	12.2	-.9	-469.	-3.	-2.	3.2	18150.	2003.	-2.9	-99.	2.519
421453	.3	6249.	817.	30390.	-28.	-2.	9.9	4.3	-304.	-1.	-1.	4.5	2723.	105.	2.4	-31.	2.132
421454	.3	6307.	1185.	25670.	-41.	-2.	9.3	2.9	-443.	-1.	-1.	4.9	3358.	140.	2.6	116.	1.821
421455	.4	7444.	841.	27690.	-41.	-2.	10.0	3.9	-376.	-2.	-1.	6.3	2708.	90.	4.6	117.	1.852
421467	.4	34570.	1446.	12030.	-64.	-4.	41.3	1.9	-418.	-2.	-2.	-2.0	3848.	282.	-2.6	-76.	-999.000
421471	-.3	10490.	1167.	15500.	-105.	-5.	10.3	-2.6	-789.	-4.	-3.	-3.6	-1952.	103.	-4.7	-124.	-999.000
421473	.4	16470.	1607.	20530.	-47.	-2.	25.4	3.2	-450.	-1.	-1.	1.5	5672.	373.	2.9	161.	.820
421474	.4	20180.	1234.	20790.	-48.	-3.	27.5	-2.9	-385.	-1.	-1.	-1.6	3810.	191.	3.2	-64.	-999.000
421476	.4	16150.	1232.	20420.	-50.	-3.	25.6	3.7	-378.	-1.	-1.	2.5	4999.	221.	2.8	57.	1.337
421481	.3	18740.	1470.	20060.	-41.	-2.	27.0	2.8	-348.	-1.	-1.	-1.2	3243.	176.	2.9	-50.	-999.000
421482	.3	15260.	938.	25090.	-41.	-2.	19.0	2.4	-347.	-1.	-1.	1.8	3385.	126.	3.1	-51.	1.637
421507	.2	17030.	1015.	19130.	-44.	-2.	21.6	3.6	-402.	-1.	-1.	2.5	5917.	178.	3.7	112.	2.137
421514	.4	6738.	632.	21560.	-65.	-4.	11.7	3.6	-469.	-3.	-2.	3.3	2427.	70.	-2.7	-77.	1.825
421520	.2	7592.	865.	16850.	-61.	-3.	9.6	2.3	-580.	-2.	-1.	2.3	3420.	72.	-2.7	138.	1.949
421529	.2	28340.	1504.	17850.	-51.	-2.	20.1	3.3	-455.	-2.	-1.	1.7	8296.	220.	-2.0	-60.	1.517
421537	.3	15400.	1061.	23230.	-52.	-2.	17.5	1.9	-423.	-2.	-1.	-1.4	3735.	151.	-1.7	-60.	-999.000
421538	.3	10940.	760.	27050.	-47.	-2.	15.7	2.4	-316.	-2.	-1.	-1.4	3150.	127.	-1.6	-57.	-999.000
421540	.3	21640.	1185.	22610.	-45.	-2.	26.5	2.8	-400.	-2.	-1.	1.4	5057.	233.	3.3	-53.	1.818
421541	.3	17920.	1185.	23930.	-39.	-2.	20.7	2.4	-354.	-1.	-1.	-1.1	3623.	221.	2.8	-45.	-999.000
421542	.2	13150.	781.	27110.	-43.	-2.	16.0	-2.7	-314.	-1.	-1.	-1.4	3148.	124.	2.7	-51.	-999.000
421544	.4	16500.	1539.	18600.	-57.	-2.	22.0	-2.9	-466.	-2.	-1.	-1.5	6965.	425.	4.2	125.	-999.000
421546	-.2	16710.	1585.	24840.	-98.	-4.	19.1	3.3	-774.	-4.	-2.	-2.7	3158.	179.	-3.6	-117.	-999.000
421548	.3	21780.	1607.	18740.	-51.	-2.	29.4	2.5	-385.	-2.	-1.	-1.4	5856.	381.	4.2	-57.	-999.000
421549	.3	30420.	1431.	15900.	-47.	-2.	30.2	-2.3	-408.	-1.	-1.	-1.3	3851.	203.	2.3	-58.	-999.000
421550	.2	23490.	1263.	22310.	-48.	-2.	21.2	1.5	-410.	-2.	-1.	-1.3	2899.	189.	2.0	-56.	-999.000
421551	-.2	20750.	1416.	26090.	-69.	-3.	26.0	2.9	-478.	-3.	-1.	-2.1	4319.	203.	-2.8	-82.	-999.000
421552	.2	22030.	1276.	22470.	-50.	-2.	27.5	-1.8	-376.	-2.	-1.	-1.6	3485.	188.	-1.9	-60.	-999.000
421553	.4	19810.	1145.	17300.	-62.	-3.	27.0	3.5	-409.	-2.	-1.	3.8	4874.	230.	-2.4	-69.	1.808
421555	.3	16400.	1342.	19180.	-47.	-2.	23.6	2.3	-438.	-2.	-1.	-1.4	3733.	166.	-1.8	-57.	-999.000
421558	.3	21210.	1701.	18690.	-59.	-3.	27.0	2.2	-473.	-2.	-1.	-1.6	5357.	421.	2.3	-73.	-999.000
421557	-.6	23290.	1750.	20990.	-249.	-10.	28.4	-2.5	-999.	-11.	-5.	-7.0	7089.	324.	-9.1	-297.	-999.000
421559	.3	19970.	1629.	18350.	-53.	-2.	31.7	2.6	-471.	-2.	-1.	-1.5	4091.	276.	7.6	-59.	-999.000
421560	.3	23870.	1517.	20440.	-52.	-3.	29.4	2.8	-448.	-2.	-1.	-1.5	4600.	244.	2.5	-60.	-999.000
421561	-.6	24210.	1879.	19980.	-264.	-10.	28.2	-2.6	-999.	-12.	-5.	-7.4	6933.	283.	-9.6	-343.	-999.000
421563	.2	11370.	704.	21270.	-43.	-2.	19.1	2.5	-353.	-2.	-1.	1.8	3724.	150.	3.7	-54.	1.484
421567	.2	14750.	857.	21900.	-50.	-2.	18.7	2.5	-348.	-2.	-1.	2.7	5227.	702.	2.5	-60.	2.141
421569	-.1	12010.	787.	21170.	-64.	-3.	18.5	2.7	-362.	-3.	-1.	-1.9	3505.	153.	-2.4	-67.	-999.000
421570	.2	12180.	1040.	22360.	-46.	-2.	19.3	2.3	-334.	-2.	-1.	2.3	4483.	274.	2.4	90.	1.704
421571	-.2	15210.	926.	24290.	-84.	-3.	15.3	1.9	-620.	-3.	-2.	-2.3	2596.	160.	-2.9	-104.	-999.000
421573	-.1	13440.	972.	28430.	-61.	-2.	13.5	1.3	660.	-2.	-1.	-1.6	3598.	150.	-2.1	-84.	-999.000
421574	-2.0	-24080.	930.	57620.	-661.	-31.	14.8	-11.1	-999.	-22.	-14.	-20.8	-999.	163.	-27.7	-794.	-999.000
421575	.3	18170.	1204.	16240.	-47.	-2.	21.5	2.3	940.	-2.	-1.	-1.3	4339.	230.	-1.5	57.	-999.000
421577	.3	18550.	1124.	18070.	-47.	-2.	23.5	3.1	524.	-2.	-1.	-1.4	3022.	161.	2.8	-50.	-999.000

ILJAMPA STREAM SEDIMENTS

PG. ONE - SAMPLE 3

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCPT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	PICTEL PPM	LEAD PPM	IRON PPM	ZINC PPM
421578	59.5041	153.7769	7.	18.	3.	1.13	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421580	59.3958	153.9989	7.	26.	1.	1.97	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421584	59.3475	154.1389	7.	53.	3.	1.55	-5.	-5.	-5.	20.	-20.	-15.	11.	-10.	-15.
421589	59.3742	154.1300	7.	13.	3.	1.33	-5.	10.	-5.	36.	-20.	28.	-5.	-10.	-15.
421586	59.3742	154.1744	7.	28.	3.	1.07	-5.	-5.	-5.	66.	-20.	97.	-5.	-10.	-15.
421592	59.3336	154.4022	6.	32.	-999.	1.79	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421604	59.3719	155.3597	7.	41.	3.	4.49	-5.	-5.	-5.	17.	-20.	-15.	-5.	-10.	-15.
421625	59.1725	155.6481	7.	26.	-999.	1.55	-5.	-5.	-5.	27.	-20.	-15.	-5.	-10.	-15.
421626	59.0700	155.7350	7.	34.	-999.	2.25	-5.	-5.	-5.	25.	-20.	24.	-5.	-10.	-15.
421627	59.0622	155.7444	7.	28.	3.	2.70	12.	-5.	-5.	52.	-20.	80.	-5.	-10.	26.
421628	59.0564	155.8183	7.	28.	-999.	1.56	-5.	-5.	-5.	26.	-20.	19.	-5.	-10.	-15.
421637	59.2242	155.8200	7.	97.	-999.	1.29	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421660	59.0433	154.6842	7.	6.	-999.	3.36	-5.	-5.	-5.	75.	-20.	18.	27.	-10.	-15.
421663	59.0222	154.5489	7.	9.	-999.	1.16	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421665	59.0500	154.4886	7.	13.	-999.	1.84	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421667	59.0483	154.3783	6.	49.	-999.	2.23	8.	-5.	-5.	22.	-20.	-15.	-5.	-10.	-15.
421670	59.1175	154.3642	7.	36.	-999.	1.75	-5.	-5.	-5.	37.	-20.	17.	5.	-10.	-15.
421671	59.1264	154.4542	9.	22.	-999.	2.27	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421678	59.1754	154.6033	7.	9.	-999.	2.15	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421680	59.1853	154.7875	7.	15.	-999.	2.77	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421683	59.2433	154.8069	8.	23.	-999.	1.84	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421684	59.2244	154.7331	7.	13.	-999.	3.40	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421692	59.3708	154.8739	7.	39.	-999.	2.02	-5.	-5.	-5.	18.	-20.	-15.	-5.	-10.	-15.
421698	59.1928	154.4936	7.	25.	-999.	1.37	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421699	59.1536	154.3017	7.	46.	-999.	3.78	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421700	59.1136	154.2842	7.	19.	-999.	3.97	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421702	59.0161	154.2075	7.	23.	-999.	1.18	-5.	-5.	-5.	34.	-20.	31.	-5.	-10.	-15.
421703	59.0214	154.1275	7.	42.	-999.	.86	-5.	-5.	-5.	40.	-20.	24.	-5.	-10.	-15.
421704	59.0089	154.0942	7.	40.	-999.	.96	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
421705	59.0275	153.9858	7.	51.	-999.	1.00	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421706	59.0484	153.9947	7.	72.	-999.	.82	-5.	-5.	-5.	28.	-20.	19.	-5.	-10.	-15.
421712	59.0608	153.9264	7.	104.	-999.	1.19	-5.	-5.	-5.	32.	-20.	-15.	-5.	-10.	-15.
421713	59.0689	153.9761	7.	90.	-999.	.84	-5.	-5.	-5.	31.	-20.	29.	-5.	-10.	-15.
421714	59.0764	154.0153	7.	76.	-999.	1.14	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421716	59.1474	154.2739	7.	87.	-999.	1.06	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421721	59.2800	154.1294	7.	80.	-999.	1.26	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421724	59.2450	154.3156	7.	36.	-999.	.37	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421725	59.2389	154.3506	7.	24.	-999.	1.05	-5.	-5.	-5.	38.	-20.	-15.	-5.	-10.	-15.
421731	59.2106	154.9514	7.	28.	-999.	2.21	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421735	59.1114	154.9867	7.	37.	-999.	1.39	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421736	59.1317	155.0342	7.	26.	-999.	2.05	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421738	59.0967	155.2208	7.	37.	-999.	2.00	-5.	-5.	-5.	31.	-20.	-15.	7.	-10.	-15.
421740	59.1161	155.4414	7.	42.	-999.	1.59	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421742	59.1322	155.5553	7.	30.	-999.	1.55	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421753	59.1889	155.1244	7.	26.	-999.	2.05	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421758	59.3139	155.1486	7.	44.	-999.	1.47	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421759	59.3289	155.2250	7.	52.	-999.	1.29	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421765	59.2364	155.5419	7.	114.	-999.	1.14	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.

SAMPLE NO.	SI PPM	LI PPM	AL PPM	ATI PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CR PPM	CS PPM	DT PPM	EU PPM	FE PPM	HF PPM	K PPM	LA PPM
421578	-999.	-999.	82340.	-0.	-357.	48470.	-11.	363.	21.0	153.	-3.4	6.	.9	48260.	-2.6	-7902.	-8.
421580	-999.	-999.	75340.	-0.	-584.	51010.	-20.	-296.	17.1	150.	-6.4	5.	-1.2	61340.	-4.3	-12030.	-17.
421584	-1.	15.	64150.	-0.	630.	25100.	27.	921.	5.0	31.	-2.7	4.	1.1	38200.	4.4	12340.	15.
421585	-1.	31.	72590.	-0.	451.	35170.	17.	-152.	15.0	30.	-2.1	3.	1.0	66500.	8.6	-5387.	9.
421586	-1.	21.	79140.	-0.	-215.	39260.	30.	437.	23.4	126.	-2.2	4.	1.0	50460.	3.6	-5443.	10.
421592	-999.	-999.	83690.	-0.	-452.	22430.	-14.	490.	-2.7	70.	-4.3	-3.	-0.8	45630.	-3.0	13600.	-11.
421604	-1.	1.	12170.	-0.	-425.	24670.	-18.	543.	-4.6	-31.	-6.4	-3.	-1.0	-3416.	-3.5	-4717.	-18.
421625	-1.	11.	69030.	-0.	622.	30540.	36.	-156.	14.5	72.	-2.6	4.	1.2	48960.	3.9	10720.	14.
421626	-1.	12.	47590.	-0.	-511.	16600.	-16.	975.	-0.1	-29.	-4.4	5.	-0.9	17020.	-3.1	10300.	-13.
421627	-1.	1.	69120.	-0.	478.	30810.	31.	-149.	22.8	170.	-2.2	4.	1.3	118400.	20.6	-5654.	17.
421628	-1.	12.	68530.	-0.	627.	29350.	45.	-169.	13.7	74.	-3.1	3.	1.4	51350.	7.4	9743.	14.
421637	-999.	-999.	67800.	-0.	-470.	29620.	-16.	-256.	-4.7	-31.	-4.6	2.	-0.9	32290.	-3.4	-10740.	-12.
421640	-1.	21.	75660.	-0.	614.	29610.	31.	742.	16.2	64.	-2.9	6.	1.1	48450.	8.4	9598.	13.
421663	-999.	-999.	70700.	-0.	276.	42130.	18.	472.	15.2	36.	-1.8	3.	.9	41240.	3.8	3905.	9.
421665	-999.	-999.	66450.	-0.	321.	38860.	37.	416.	20.9	72.	-2.3	4.	1.2	75640.	12.4	-4627.	11.
421667	-1.	20.	67080.	-0.	588.	21730.	30.	909.	10.9	-15.	-2.7	6.	1.1	37580.	5.6	11860.	14.
421670	-1.	19.	72410.	-0.	627.	30390.	37.	721.	9.3	-13.	-2.3	4.	1.0	35430.	4.4	10190.	15.
421671	-999.	-999.	77290.	-0.	727.	35220.	-11.	479.	15.5	42.	-4.0	6.	.7	46640.	4.8	14060.	-10.
421678	-999.	-999.	67940.	0.	-261.	37490.	32.	377.	14.2	64.	-3.5	5.	.8	63380.	7.5	10740.	17.
421680	-999.	-999.	66590.	-0.	536.	43710.	60.	-173.	16.5	105.	-3.1	6.	1.8	87230.	14.7	-6678.	24.
421683	-999.	-999.	87310.	-1.	-1391.	-8770.	-73.	-647.	-2.5	-131.	-17.1	-9.	-4.2	49410.	-14.4	-20770.	-90.
421684	-999.	-999.	110800.	-3.	-5886.	-42220.	-234.	-2247.	-2.7	-400.	-53.3	-47.	0.0000	-209.	-43.6	-62810.	-241.
421692	1.	20.	70950.	-0.	675.	24780.	43.	-150.	8.9	24.	-2.1	4.	1.4	37800.	5.1	12040.	18.
421696	-999.	-999.	83610.	-0.	-1123.	40040.	-29.	-551.	-0.3	-56.	-8.0	-7.	-1.7	55650.	-6.5	-19300.	-30.
421699	-999.	-999.	78430.	-0.	-585.	43180.	-19.	756.	24.7	107.	-6.1	5.	-1.2	94560.	12.0	-12170.	-15.
421700	-999.	-999.	44740.	-0.	-341.	30330.	95.	308.	31.6	300.	-4.7	6.	1.3	241500.	73.5	-7709.	-8.
421702	-1.	26.	69110.	-0.	480.	25950.	25.	326.	12.7	57.	-2.2	4.	1.0	47930.	5.8	6856.	14.
421703	-1.	28.	71770.	-0.	519.	30440.	25.	-138.	12.3	57.	-1.7	3.	.9	34460.	2.5	8995.	10.
421704	-1.	28.	69320.	-0.	463.	29370.	37.	-130.	10.7	62.	-2.3	3.	1.1	38490.	3.1	9979.	12.
421705	-999.	-999.	73850.	-0.	435.	29990.	34.	-162.	13.3	64.	-2.6	4.	1.2	43630.	3.0	9975.	8.
421706	-1.	25.	70950.	-0.	367.	29220.	23.	-145.	12.8	67.	-1.8	3.	1.0	37150.	3.0	8585.	10.
421712	-1.	43.	65310.	-0.	307.	30500.	39.	-135.	12.3	96.	-1.9	3.	1.1	49920.	8.7	-4301.	13.
421713	-1.	43.	71560.	-0.	427.	30230.	28.	-136.	12.5	55.	-2.3	2.	1.3	39190.	3.2	7305.	10.
421714	-999.	-999.	88790.	-2.	-4730.	-31400.	-167.	-1984.	-55.1	-282.	-39.4	-37.	-9.5	-28100.	-32.3	-49850.	-253.
421716	-999.	-999.	56630.	-0.	-295.	36010.	16.	-169.	14.9	74.	-3.1	5.	1.1	80040.	8.1	-6325.	8.
421721	-999.	-999.	80840.	-0.	-392.	39590.	29.	440.	19.3	59.	-4.1	4.	1.4	86070.	3.4	-7883.	-7.
421724	-999.	-999.	80800.	-0.	-384.	51640.	-13.	-211.	18.1	78.	-4.5	4.	-0.7	59000.	-2.9	-8016.	-10.
421725	-1.	9.	47160.	-0.	-392.	15300.	50.	751.	-0.1	-26.	-4.1	6.	.7	97710.	-2.9	6702.	-9.
421731	-999.	-999.	66590.	-0.	-412.	34740.	30.	-210.	22.0	128.	-4.5	6.	1.1	125700.	11.7	12570.	16.
421735	-999.	-999.	74760.	-0.	-545.	33200.	-18.	-299.	19.3	46.	-5.7	-4.	-1.0	42780.	-4.0	-10560.	-17.
421736	-999.	-999.	81730.	-0.	631.	33630.	-14.	-224.	23.1	47.	-4.2	4.	1.2	45830.	5.1	12000.	-7.
421738	-1.	43.	83730.	-0.	585.	29520.	37.	245.	15.7	49.	-2.7	4.	1.4	54340.	4.5	11360.	13.
421740	-999.	-999.	84390.	-1.	-1833.	-9741.	-53.	-835.	-0.5	-93.	-12.4	-12.	-2.4	69520.	-9.9	-26770.	-52.
421742	-999.	-999.	73150.	-999.	-703.	51330.	-999.	-335.	-999.0	-999.	-999.0	5.	0.0000	-999.	-999.0	-13120.	-999.
421753	-999.	-999.	78990.	-0.	506.	27130.	25.	-187.	-0.1	39.	-4.8	4.	1.5	44130.	-3.3	17100.	-12.
421758	-999.	-999.	64310.	-0.	-1336.	34960.	-39.	-627.	20.4	-69.	-10.9	-9.	-2.3	53510.	-7.4	-26140.	-54.
421759	-999.	-999.	76810.	-0.	-503.	32840.	21.	-283.	-4.9	75.	-4.7	6.	-0.7	38870.	4.6	-10240.	-11.
421765	-1.	8.	56080.	-0.	-437.	27240.	12.	-236.	4.3	28.	-2.4	2.	1.0	49500.	4.8	-9895.	-8.

SIAMPA TITAN SEDIMENTS

PG. THREE - SATITE 3

SAMPLE NO.	TH PPM	PS PPM	PH PPM	MA PPM	PA PPM	SP PPM	SC PPM	SM PPM	SB PPM	TA PPM	TS PPM	TH PPM	TI PPM	V PPM	TE PPM	ZN PPM	UTM COORD
421578	-2	21680.	1149.	22970.	-80.	-3.	19.2	-1.7	-612.	-3.	-2.	-2.5	4024.	187.	-3.1	-108.	-999,000
421580	-4	23750.	1523.	18930.	-149.	-6.	22.8	1.7	-972.	-6.	-3.	-4.2	6851.	205.	-5.3	-172.	-999,000
421584	.3	6074.	637.	23480.	-61.	-2.	10.7	2.7	-412.	-3.	-1.	2.6	2508.	84.	3.1	-75.	1.678
421585	.3	14380.	1250.	18570.	-42.	-2.	17.8	2.7	-418.	-2.	-1.	1.3	3005.	148.	3.2	-51.	.976
421586	.2	17360.	1180.	21680.	-48.	-2.	18.3	-2.3	-400.	-1.	-1.	2.6	4531.	182.	2.0	-58.	2.427
421592	.4	17490.	1131.	20410.	-101.	-4.	16.9	2.6	-746.	-4.	-2.	-2.8	4386.	138.	-3.6	-138.	-999,000
421604	-3	-3244.	131.	4341.	-122.	-4.	2.4	-1.3	-472.	-5.	-2.	-3.4	-1333.	42.	-4.2	-143.	-999,000
421625	.3	10400.	977.	20260.	-62.	-2.	18.3	3.1	-469.	-2.	-1.	2.9	4031.	143.	-1.9	-73.	1.871
421626	.3	-4476.	407.	20400.	-114.	-4.	8.0	2.4	-697.	-5.	-2.	-3.0	2409.	40.	3.7	-139.	-999,000
421627	.4	10910.	1722.	16910.	-49.	-2.	23.2	3.4	-420.	-2.	-1.	4.2	10880.	444.	2.5	-54.	1.555
421628	.3	7928.	1659.	20720.	-71.	-3.	19.8	3.9	-503.	-3.	-2.	-2.0	4749.	159.	3.9	-89.	-999,000
421637	-3	7147.	2845.	22550.	-122.	-4.	12.8	1.8	-866.	-5.	-3.	-3.4	5147.	104.	-3.8	-153.	-999,000
421660	.5	15410.	1133.	23330.	-60.	-2.	19.0	4.0	-452.	-2.	-1.	3.2	3897.	154.	3.9	-69.	.952
421661	.3	14930.	928.	23110.	-35.	-2.	23.4	2.3	-310.	-1.	-1.	2.5	2572.	137.	2.5	-45.	2.155
421665	.4	15410.	1770.	21040.	-46.	-2.	29.2	-3.3	-344.	-1.	-1.	2.8	4627.	147.	4.5	-54.	1.522
421667	.4	7410.	841.	28760.	-97.	-2.	14.7	4.1	-459.	-2.	-1.	3.1	4028.	70.	4.8	-71.	1.391
421670	.5	7784.	771.	29150.	-45.	-2.	13.4	3.5	-422.	-2.	-1.	3.4	4003.	105.	4.3	-62.	1.942
421671	.3	14720.	1221.	27360.	-83.	-3.	24.2	2.7	-611.	-3.	-2.	-2.3	3937.	183.	-3.3	-109.	-999,000
421678	-2	12540.	1354.	22510.	-77.	-3.	24.4	-2.7	-474.	-2.	-2.	-2.3	5784.	230.	-2.8	-95.	-999,000
421680	.5	11860.	1848.	18950.	-86.	-3.	25.9	4.3	-525.	-2.	-1.	5.9	10980.	305.	3.6	-71.	2.132
421683	-1.4	-12100.	1066.	34700.	-445.	-20.	11.7	-6.9	-999.	-15.	-10.	-14.3	-4806.	147.	-19.6	-571.	-999,000
421684	-4.3	-42510.	1430.	64770.	-445.	-81.	11.6	-23.2	-999.	-51.	-30.	-42.4	-999.	-143.	-60.1	-1248.	-999,000
421692	.3	6752.	827.	23510.	-42.	-2.	18.2	3.6	-375.	-2.	-1.	3.8	3537.	102.	3.3	-91.	1.880
421696	-6	18330.	1897.	31870.	-203.	-11.	17.3	-3.0	-999.	-8.	-5.	-6.0	-4444.	179.	-9.4	-258.	-999,000
421699	.5	15970.	1870.	24690.	-146.	-5.	20.0	2.9	-986.	-8.	-3.	-3.9	8082.	470.	-4.7	-179.	-999,000
421700	.8	15320.	2334.	14100.	-114.	-4.	27.5	3.5	-629.	-4.	-2.	4.2	14140.	1135.	7.0	-130.	1.056
421702	.4	9233.	887.	24740.	-44.	-2.	20.7	3.2	-385.	-2.	-1.	2.2	3783.	153.	3.3	55.	1.866
421703	.7	10180.	662.	28400.	-35.	-1.	16.2	2.2	-292.	-1.	-999.	2.0	2805.	116.	1.9	115.	2.326
421704	.3	9081.	689.	27050.	-47.	-2.	18.5	-3.3	-300.	-2.	-1.	2.8	2793.	123.	3.6	-59.	2.915
421705	.3	12740.	803.	27250.	-57.	-2.	19.6	2.6	-385.	-2.	-1.	-1.6	3859.	126.	-1.7	-66.	-999,000
421706	.2	9293.	655.	27750.	-37.	-1.	17.5	2.8	-332.	-1.	-1.	1.9	2935.	118.	2.3	-43.	2.315
421712	.3	10380.	840.	24980.	-39.	-1.	18.0	2.9	-315.	-1.	-1.	2.1	3366.	172.	3.6	-48.	1.764
421713	.2	8730.	707.	28000.	-49.	-2.	18.0	2.4	-308.	-2.	-1.	-1.5	2846.	126.	-1.6	-58.	-999,000
421714	-3.1	-36310.	913.	63000.	-49.	-46.	15.7	-17.4	-999.	-43.	-22.	-30.7	-999.	-111.	-44.0	-1166.	-999,000
421716	.4	13160.	1387.	15320.	-67.	-2.	26.0	2.7	-519.	-2.	-1.	-1.9	6574.	305.	3.1	-74.	-999,000
421721	-2	12620.	1190.	21810.	-90.	-3.	25.0	2.9	-651.	-4.	-2.	-2.6	4461.	223.	3.2	-108.	-999,000
421724	-2	17990.	1329.	19010.	-98.	-4.	22.1	1.8	-640.	-4.	-2.	-2.8	4612.	186.	-3.4	131.	-999,000
421725	.4	4683.	445.	15470.	-113.	-3.	7.0	2.6	-558.	-5.	-2.	-2.8	2525.	140.	-3.3	151.	-999,000
421731	.4	12260.	1840.	14920.	-105.	-4.	22.4	3.2	-737.	-4.	-2.	-2.7	13640.	571.	-3.0	-111.	-999,000
421735	-3	15810.	1214.	22750.	-129.	-7.	19.2	-1.8	-875.	-5.	-3.	-3.8	5138.	179.	-5.7	-139.	-999,000
421736	-2	13640.	1240.	22520.	-95.	-3.	15.3	2.8	-626.	-4.	-2.	-2.7	5745.	168.	-2.9	-131.	-999,000
421738	.4	10810.	1172.	17830.	-54.	-2.	22.0	-3.2	-404.	-2.	-1.	4.1	4895.	168.	2.3	-98.	2.049
421740	-1.0	-15140.	1942.	37170.	-320.	-15.	15.7	-5.2	-999.	-10.	-7.	-9.9	-6612.	253.	-14.5	-410.	-999,000
421742	***	25950.	1819.	18530.	-999.	-999.	-999.0	-999.0	-999.	-999.	-955.	-999.0	9635.	226.	-999.0	-999.	-999,000
421753	.3	9872.	928.	21370.	-101.	-5.	17.2	-1.4	-479.	-4.	-2.	-1.1	4634.	161.	-4.5	-61.	-999,000
421758	-7	-11870.	3512.	27640.	-271.	-12.	15.0	-3.8	-999.	-10.	-8.	-7.5	-5580.	208.	-10.5	-352.	-999,000
421759	-3	13480.	1604.	20850.	-93.	-5.	18.3	2.3	-856.	-3.	-2.	-2.8	5560.	137.	-4.1	132.	-999,000
421765	.2	-4344.	2810.	17820.	-57.	-3.	12.4	2.8	-814.	-2.	-1.	2.3	3096.	71.	-2.6	-62.	2.016

Appendix B. Lake Sediment Data

Appendix B. Lake Sediment Data

ILLIAMA LAKE SEDIMENTS

95. DINE - SAMPLE															
SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	QUANTUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	IRON PPM	LEAD PPM	ZIN PPM	THIOUSTEE PPM
421230	59.7192	153.7597	7.	22.	-999.	.61	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421240	59.7161	154.7089	8.	24.	-999.	.60	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421241	59.7197	154.6131	7.	34.	-999.	.88	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
421242	59.8053	154.5383	7.	180.	-999.	1.15	-5.	-5.	-5.	18.	-20.	-15.	-5.	-10.	-15.
421243	59.7031	154.4625	8.	47.	-999.	1.74	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421244	59.8356	154.4317	8.	11.	-999.	1.25	-5.	-5.	-5.	22.	-20.	-15.	-5.	-10.	-15.
421245	59.8725	154.4589	7.	35.	-999.	1.23	-5.	-5.	-5.	22.	-20.	-15.	-5.	-10.	-15.
421247	59.9000	154.4997	7.	19.	-999.	1.15	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
421249	59.9733	154.6375	7.	28.	-999.	4.79	-5.	-5.	-5.	22.	-20.	-15.	-5.	-10.	-15.
421250	59.9747	154.7117	7.	43.	-999.	2.14	-5.	-5.	-5.	14.	-20.	-15.	-5.	-10.	-15.
421252	59.9744	154.8961	7.	18.	-999.	.23	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421253	59.9767	154.9697	7.	42.	-999.	1.07	-5.	-5.	-5.	14.	-20.	-15.	-5.	-10.	-15.
421254	59.9681	155.0722	7.	25.	-999.	1.42	-5.	-5.	-5.	13.	-20.	-15.	-5.	-10.	-15.
421255	59.9650	155.1194	7.	36.	-999.	2.56	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.
421256	59.9428	155.1050	7.	22.	-999.	.25	-5.	-5.	-5.	12.	-20.	-15.	-5.	-10.	-15.
421258	59.9350	155.2128	7.	23.	-999.	.34	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421259	59.9491	155.2244	7.	34.	-999.	.68	-5.	-5.	-5.	18.	-20.	-15.	-5.	-10.	-15.
421260	59.9651	155.3203	7.	35.	-999.	.37	-5.	-5.	-5.	10.	-20.	-15.	-5.	-10.	-15.
421262	59.9383	155.3972	7.	16.	-999.	2.10	-5.	-5.	-5.	14.	-20.	-15.	-5.	-10.	-15.
421264	59.9600	155.5027	7.	5.	-999.	1.97	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421265	59.9356	155.4747	7.	6.	-999.	.92	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
421266	59.9439	155.6217	7.	22.	-999.	.49	-5.	-5.	-5.	12.	-20.	-15.	-5.	-10.	-15.
421269	59.9492	155.6764	7.	27.	-999.	3.85	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
421270	59.9367	155.7436	7.	15.	-999.	.49	-5.	-5.	-5.	18.	-20.	-15.	-5.	-10.	-15.
421271	59.9583	155.7786	7.	7.	-999.	2.67	-5.	-5.	-5.	31.	-20.	-15.	-5.	-10.	-15.
421274	59.9328	155.9242	7.	42.	-999.	1.16	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421275	59.9044	155.9164	7.	16.	-999.	3.38	-5.	-5.	-5.	17.	-20.	-15.	-5.	-10.	-15.
421277	59.8011	155.7672	7.	27.	-999.	1.64	-5.	-5.	-5.	22.	-20.	-15.	-5.	-10.	-15.
421278	59.8836	155.7139	7.	37.	-999.	1.19	-5.	-5.	-5.	17.	-20.	-15.	-5.	-10.	-15.
421279	59.8783	155.5756	7.	19.	-999.	2.72	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421281	59.8592	155.5039	7.	9.	-999.	2.23	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
421282	59.8903	155.4317	7.	16.	-999.	.28	-5.	-5.	-5.	10.	-20.	-15.	-5.	-10.	-15.
421284	59.8928	155.1683	7.	24.	-999.	2.23	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421286	59.8878	155.1119	7.	34.	-999.	1.65	-5.	-5.	-5.	10.	-20.	-15.	-5.	-10.	-15.
421287	59.9114	155.0189	7.	43.	-999.	1.03	-5.	-5.	-5.	12.	-20.	-15.	-5.	-10.	-15.
421288	59.9275	154.9247	7.	77.	-999.	.57	-5.	-5.	-5.	18.	-20.	-15.	-5.	-10.	-15.
421290	59.9297	154.7372	7.	49.	-999.	12.20	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421292	59.9167	154.5975	7.	29.	-999.	.57	-5.	-5.	-5.	13.	-20.	-15.	-5.	-10.	-15.
421293	59.8962	154.5811	7.	62.	-999.	1.81	-5.	-5.	-5.	29.	-20.	-15.	-5.	-10.	-15.
421294	59.8575	154.5567	7.	1.	-999.	1.50	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
421295	59.8033	154.6514	7.	46.	-999.	.54	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.
421296	59.7917	154.7099	7.	146.	-999.	.68	-5.	-5.	-5.	15.	-20.	-15.	-5.	-10.	-15.
421298	59.8297	154.7578	8.	57.	-999.	2.00	-5.	-5.	-5.	18.	-20.	-15.	-5.	-10.	-15.
421299	59.8247	154.6183	8.	250.	-999.	1.53	-5.	-5.	-5.	25.	-20.	-15.	-5.	-10.	-15.
421300	59.8803	154.6031	7.	24.	-999.	2.56	-5.	-5.	-5.	20.	-20.	-15.	-5.	-10.	-15.
421302	59.8431	154.4103	7.	39.	-999.	1.46	-5.	-5.	-5.	16.	-20.	-15.	-5.	-10.	-15.
421303	59.7706	154.8278	8.	18.	-999.	1.88	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
421305	59.8347	154.8708	7.	6.	-999.	1.29	-5.	-5.	-5.	15.	-20.	-15.	-5.	-10.	-15.
421306	59.8703	154.8883	7.	29.	-999.	3.62	-5.	-5.	-5.	26.	-20.	-15.	-5.	-10.	-15.
421307	59.8986	154.9633	7.	28.	-999.	3.63	-5.	-5.	-5.	16.	-20.	-15.	-5.	-10.	-15.

HILARIA LAKE SEDIMENTS

No. TML - SAMPLE 1

SAMPLE NO.	SI PPM	LI PPM	AL PPM	AI PPM	BA PPM	CA PPM	CF PPM	CL PPM	CO PPM	CR PPM	CS PPM	CV PPM	FU PPM	FE PPM	HF PPM	NI PPM	LA PPM
421240	-999.	-999.	34230.	-0.	-397.	15960.	-22.	615.	-2.	-37.	-5.1	3.	-1.7	22613.	-4.0	-6452.	-19.
421241	-999.	-999.	31560.	-0.	-614.	19560.	-41.	662.	-3.	-71.	-9.1	-4.	-2.3	21460.	-7.5	-8021.	-46.
421242	-1.	5.	42290.	-0.	744.	22610.	-10.	789.	-5.	-31.	-4.6	-3.	-1.0	47850.	-3.5	-9085.	-16.
421243	-1.	16.	70970.	-0.	899.	30110.	26.	413.	5.7	27.	-2.1	3.	1.3	25280.	2.6	12500.	13.
421244	-999.	-999.	24170.	-0.	-536.	-4206.	-31.	395.	-5.0	-52.	-6.7	-4.	-1.7	16100.	-5.7	-7617.	-31.
421245	-1.	17.	75610.	-0.	565.	25970.	33.	451.	8.8	28.	-2.4	3.	1.2	30360.	4.4	-5354.	16.
421246	-1.	6.	42980.	-0.	-379.	25610.	-29.	793.	-1.	-36.	-5.0	3.	1.6	23120.	-3.9	-6183.	-25.
421247	-1.	9.	52100.	-0.	-427.	18170.	-23.	644.	-2.	-29.	-5.4	5.	-1.2	20960.	-4.3	-7313.	-21.
421248	-1.	5.	35490.	-0.	-435.	15100.	-16.	567.	12.1	-25.	-4.2	5.	-4.9	33700.	-3.2	-9125.	28.
421250	-1.	7.	32850.	-0.	379.	14100.	-14.	299.	5.6	-25.	-3.6	5.	1.3	18100.	-2.8	-4668.	-14.
421252	-999.	-999.	12840.	-0.	-434.	14490.	-24.	729.	-2.	-43.	-5.5	-3.	-1.4	19030.	-4.4	-5407.	-26.
421253	-1.	5.	42610.	-0.	-373.	14960.	-17.	398.	-6.1	62.	-4.7	3.	-4.9	50570.	-3.2	-7771.	-14.
421254	-1.	6.	39090.	-0.	340.	-7091.	20.	419.	-6.1	-32.	-4.5	3.	-1.0	21290.	-3.6	-5549.	-26.
421255	-1.	18.	71060.	-0.	769.	18470.	54.	-148.	8.5	96.	4.3	3.	1.5	42010.	9.5	11820.	17.
421256	-1.	2.	12530.	-0.	-436.	-2439.	-23.	614.	-2.	-39.	-5.2	-3.	-1.3	11040.	-4.4	-6186.	-25.
421258	-999.	-999.	10400.	-0.	-594.	9855.	-34.	569.	-3.	-58.	-7.6	-4.	-1.9	23740.	-6.0	-7185.	-31.
421259	-1.	3.	26710.	-0.	-468.	11040.	80.	416.	-8.7	-46.	-6.6	5.	2.3	28940.	-5.0	-5747.	-36.
421260	-1.	3.	19470.	-0.	-481.	9995.	-30.	547.	-2.	-53.	-6.8	-4.	-1.7	24370.	-5.6	-5236.	-35.
421262	1.	36.	69750.	-0.	770.	22000.	33.	-135.	9.1	57.	-1.9	4.	1.3	28620.	7.8	13190.	22.
421264	-999.	-999.	66670.	-0.	525.	9045.	17.	167.	-1.4	47.	-3.7	4.	.9	27840.	3.8	12000.	-15.
421265	-1.	7.	11740.	-0.	-310.	8537.	31.	484.	-2.	-31.	-4.1	3.	-1.0	19890.	-3.3	-4706.	-16.
421266	-1.	2.	11720.	-0.	-482.	21440.	-25.	1463.	-8.5	-43.	-6.0	-4.	-1.4	14100.	-4.7	-6281.	-36.
421269	1.	25.	71610.	-0.	768.	16020.	44.	-183.	8.6	58.	4.8	4.	1.6	37410.	8.2	10320.	19.
421270	-1.	2.	16210.	-0.	-448.	-3256.	-25.	454.	-8.3	-42.	-6.0	-4.	-1.4	25490.	-4.8	-4916.	-37.
421271	-1.	21.	73830.	-0.	869.	11760.	50.	-153.	9.6	58.	4.3	4.	1.8	33670.	7.6	14040.	26.
421274	-999.	-999.	30350.	-0.	-555.	-3582.	-31.	-212.	-3.	-53.	-6.8	-4.	-1.7	18170.	-5.5	-6631.	-33.
421275	1.	27.	72240.	-0.	793.	15510.	48.	275.	8.0	55.	4.4	5.	1.4	36480.	6.1	12800.	22.
421277	-1.	4.	34290.	-0.	-452.	-2866.	-24.	489.	-8.1	-43.	-6.5	6.	1.1	14920.	-4.8	-5977.	-34.
421278	-1.	2.	21390.	-0.	-618.	-3496.	-35.	489.	-2.6	-61.	-7.8	-4.	-1.9	58550.	-6.4	-8044.	-42.
421279	-999.	-999.	70930.	-1.	1629.	-7938.	-40.	-521.	-5.	-83.	-11.3	-9.	-2.6	24870.	-9.2	-16810.	-58.
421281	-1.	30.	78970.	-0.	389.	26120.	38.	-166.	8.4	35.	-2.3	4.	1.2	35670.	7.2	14330.	22.
421282	-1.	2.	10260.	-0.	-424.	-2521.	-24.	659.	-3.	-40.	-5.3	-3.	-1.3	7931.	-4.3	-4307.	-23.
421285	-999.	-999.	50040.	-0.	612.	10270.	-17.	295.	11.3	-30.	-4.8	5.	1.6	40600.	-3.5	11390.	-23.
421286	1.	14.	58410.	-0.	922.	22840.	35.	-181.	3.5	41.	-3.1	3.	1.7	19460.	7.3	10030.	-13.
421287	-1.	4.	30780.	-0.	-362.	12880.	-10.	477.	-2.	-31.	-4.2	-3.	-1.0	21290.	-3.4	-5363.	-19.
421288	-1.	3.	21350.	-0.	-362.	10320.	-20.	547.	-2.	-33.	-4.6	-3.	-1.1	34720.	-3.8	-4943.	-17.
421290	-999.	-999.	62430.	-0.	541.	20960.	28.	368.	12.5	-24.	-3.7	6.	1.2	31230.	-2.6	-6413.	-17.
421292	-1.	1.	10360.	-0.	-541.	-3276.	-32.	444.	-2.	-56.	-6.9	-4.	-1.8	18780.	-5.8	-4842.	-40.
421293	-1.	13.	59540.	-0.	569.	22450.	36.	512.	-1.7	-19.	-3.0	4.	1.3	18700.	3.1	-5508.	-12.
421294	-1.	14.	66450.	-0.	705.	17530.	36.	398.	-3.	-19.	-3.0	3.	1.7	18550.	3.3	12570.	-10.
421295	-1.	4.	33750.	-0.	-363.	15230.	-16.	574.	-5.6	-29.	-4.1	-3.	-4.9	14420.	-3.2	-5724.	-23.
421296	-1.	3.	28900.	-0.	-421.	13320.	-22.	776.	-2.	-40.	-5.3	5.	-1.3	19480.	-4.2	-5309.	-29.
421298	-2.	4.	23530.	-0.	-417.	11560.	-20.	732.	-2.	-35.	-4.5	-3.	-1.1	12030.	-3.8	-5384.	-22.
421299	-1.	3.	65100.	-0.	-279.	25210.	23.	420.	6.9	-21.	-3.1	4.	1.3	25360.	-2.1	-5907.	-10.
421300	-1.	26.	81690.	-0.	664.	28740.	39.	261.	10.0	27.	5.6	5.	1.7	34860.	4.3	9047.	20.
421302	-1.	7.	53380.	-0.	-339.	19780.	23.	597.	5.4	-21.	-3.4	4.	-7	13510.	-2.4	7903.	-18.
421303	1.	23.	69340.	-0.	497.	27380.	38.	289.	8.6	47.	-2.7	5.	1.4	30300.	5.8	10120.	23.
421305	-1.	19.	70100.	-0.	555.	22670.	36.	337.	6.0	37.	-1.9	3.	1.1	20660.	6.7	13570.	15.
421306	2.	15.	64900.	-0.	723.	20620.	55.	296.	4.0	44.	-2.4	4.	1.5	23040.	6.4	11870.	22.
421307	1.	40.	65950.	-0.	710.	17480.	38.	187.	5.5	28.	5.4	4.	1.0	18580.	6.0	13340.	23.

SAMPLE NO.	TH PPM	HC PPM	PC PPM	NA PPM	BA PPM	SE PPM	SC PPM	SO PPM	SA PPM	TA PPM	TS PPM	TH PPM	TI PPM	V PPM	VP PPM	ZP PPM	UT/TH RATIO
421240	-6	-3510.	475.	993.	-129.	-6.	7.0	-2.6	-561.	-6.	-3.	-4.0	-1452.	59.	-5.5	-155.	-999.000
421241	-7	-4714.	369.	9344.	-257.	-11.	4.7	-3.7	-777.	-9.	-5.	-7.7	-2663.	43.	-10.4	-313.	-999.000
421242	-3	-4145.	1385.	13050.	-124.	-5.	6.5	2.9	-736.	-5.	-2.	-1.4	-1714.	75.	-4.7	-144.	-999.000
421243	-3	-2651.	631.	26320.	-49.	-7.	10.6	3.6	-143.	-2.	-1.	2.4	-2548.	57.	2.9	107.	2.688
421244	-5	-4154.	291.	12350.	-126.	-8.	5.4	-3.6	-670.	-6.	-4.	-5.7	-1710.	72.	-8.0	-211.	-999.000
421245	-3	-2541.	829.	23940.	-58.	-3.	11.7	2.7	-397.	-3.	-1.	-1.6	-3403.	88.	3.4	110.	-999.000
421246	-4	-3453.	478.	13430.	-179.	-6.	7.2	3.4	-517.	-4.	-3.	-3.7	-1176.	47.	-5.4	-172.	-999.000
421247	-4	-5494.	470.	14659.	-130.	-6.	6.9	2.7	-677.	-5.	-3.	-4.2	-2453.	51.	-5.7	-157.	-999.000
421248	-3	-3933.	1571.	9923.	-119.	-5.	5.8	4.9	-742.	-4.	-2.	-1.1	-1869.	59.	-4.3	-149.	-999.000
421249	-7	-5901.	357.	9361.	-91.	-4.	7.0	3.2	-391.	-4.	-2.	2.5	-1065.	56.	-3.8	-101.	1.168
421250	-4	-3177.	261.	3791.	-143.	-6.	2.2	-2.3	-547.	-5.	-3.	-4.6	-1397.	33.	-6.1	-197.	-999.000
421251	-3	-4935.	1119.	9372.	-108.	-5.	9.4	2.7	-34.	-4.	-2.	-3.1	-4909.	70.	-4.3	-131.	-999.000
421252	-3	-3069.	244.	8455.	-130.	-5.	6.3	2.4	-77.	-5.	-3.	-3.5	-2233.	35.	-4.9	-170.	-999.000
421253	-4	-6318.	591.	20970.	-59.	-3.	12.7	4.1	-77.	-2.	-1.	4.8	-5215.	87.	3.4	68.	1.876
421254	-4	-3108.	346.	1726.	-148.	-6.	3.0	-2.2	-551.	-5.	-3.	-4.3	-1447.	30.	-5.7	-178.	-999.000
421255	-4	-4028.	358.	2426.	-211.	-6.	2.2	-2.1	-74.	-7.	-4.	-6.2	-1906.	-16.	-8.2	-265.	-999.000
421256	-4	-3230.	160.	4336.	-193.	-7.	6.1	2.7	-72.	-7.	-4.	-4.9	-1414.	33.	-6.7	-240.	-999.000
421257	-5	-3289.	138.	4131.	-196.	-8.	3.7	-2.1	-52.	-7.	-4.	-5.7	-1490.	-11.	-7.7	-227.	-999.000
421258	-2	-7740.	586.	22270.	-46.	-2.	11.7	3.1	-72.	-1.	-1.	3.9	-5098.	84.	2.4	157.	1.859
421259	-3	-6812.	415.	15200.	-90.	-4.	10.9	1.1	-54.	-4.	-2.	4.1	-4205.	88.	-3.8	-124.	2.083
421260	-3	-2794.	173.	6917.	-116.	-5.	7.3	2.9	-404.	-5.	-2.	-3.4	-1416.	47.	-4.5	-124.	-999.000
421261	-4	-3452.	344.	2974.	-173.	-7.	2.4	-2.3	-592.	-7.	-3.	-4.6	-1549.	-14.	-6.3	-214.	-999.000
421262	-3	-5426.	1286.	18880.	-67.	-3.	12.6	5.0	-536.	-2.	-2.	5.1	-4955.	79.	-3.2	168.	1.325
421263	-4	-2993.	98.	2806.	-174.	-7.	3.0	-2.3	-471.	-7.	-3.	-4.1	-1319.	-10.	-6.3	-228.	-999.000
421264	-4	-4445.	497.	20140.	-55.	-3.	12.7	5.4	-407.	-2.	-1.	4.7	-4116.	89.	3.9	-54.	1.761
421265	-6	-4155.	153.	7618.	-176.	-8.	4.8	-2.9	-644.	-6.	-4.	-5.7	-1762.	39.	-7.8	-198.	-999.000
421266	-3	-6589.	952.	18780.	-60.	-3.	13.6	4.2	-440.	-2.	-1.	6.7	-4140.	94.	4.1	161.	1.984
421267	-4	-1277.	178.	4790.	-172.	-7.	9.3	5.2	-516.	-6.	-3.	-4.7	-1372.	25.	-6.4	-218.	-999.000
421268	-6	-4259.	603.	3812.	-227.	-9.	4.7	-3.1	-806.	-7.	-5.	-6.5	-2114.	89.	-9.0	-281.	-999.000
421269	-9	-10340.	489.	29130.	-281.	-13.	7	-5.8	-999.	-10.	-6.	-8.9	-1826.	-35.	-13.1	-312.	-999.000
421270	-3	-11470.	1096.	24380.	-50.	-3.	1.3	-419.	-1.	-1.	-1.	4.6	-3809.	82.	-2.0	82.	2.682
421271	-4	-2786.	59.	2651.	-135.	-5.	2.7	-2.3	-451.	-5.	-3.	-4.3	-1233.	-9.	-6.0	-176.	-999.000
421272	-3	-6460.	699.	11490.	-121.	-4.	11.3	3.1	-590.	-6.	-2.	3.4	-1906.	76.	-4.6	-145.	1.546
421273	-7	-6322.	533.	22610.	-75.	-4.	10.7	2.8	-454.	-3.	-2.	3.4	-3299.	49.	-3.0	-94.	2.082
421274	-3	-3140.	260.	8131.	-110.	-5.	5.9	-1.7	-476.	-4.	-2.	-1.5	-1233.	57.	-4.6	-152.	-999.000
421275	-4	-4695.	190.	6359.	-124.	-5.	5.2	-1.8	-453.	-4.	-3.	-3.6	-1616.	68.	-5.1	-147.	-999.000
421276	-5	-6177.	601.	19150.	-98.	-4.	5.4	5.5	-490.	-5.	-2.	4.8	-2399.	79.	2.5	231.	3.393
421277	-6	-3325.	76.	2951.	-197.	-8.	5.5	-2.5	-966.	-7.	-4.	-6.0	-1643.	22.	-8.2	-247.	-999.000
421278	-4	-5462.	466.	19780.	-71.	-3.	17.8	5.1	-433.	-3.	-2.	-2.1	-2703.	47.	-3.1	-84.	-999.000
421279	-2	-9303.	518.	23290.	-67.	-3.	10.4	2.8	-441.	-3.	-2.	-2.1	-3424.	56.	-3.7	-39.	-999.000
421280	-3	-6030.	294.	11500.	-117.	-5.	5.3	1.8	-483.	-4.	-2.	-3.1	-1250.	39.	-4.3	-160.	-999.000
421281	-4	-3303.	204.	8687.	-141.	-6.	5.1	2.8	-530.	-5.	-3.	-4.3	-1405.	37.	-5.9	-182.	-999.000
421282	-4	-3196.	155.	6745.	-116.	-5.	3.2	-1.9	-501.	-4.	-3.	-3.8	-1349.	29.	-5.1	-157.	-999.000
421283	-3	-10370.	640.	19680.	-72.	-4.	13.0	3.4	-459.	-3.	-2.	-2.2	-3108.	78.	-2.8	-12.	-999.000
421284	-3	-8361.	1167.	24650.	-47.	-3.	16.0	4.9	-428.	-1.	-1.	3.1	-4773.	85.	4.8	156.	1.211
421285	-2	-3568.	442.	17110.	-87.	-4.	6.7	2.2	-502.	-4.	-2.	-2.3	-1227.	39.	-3.4	-103.	-999.000
421286	-4	-10040.	923.	22790.	-56.	-3.	14.5	4.7	-459.	-2.	-1.	3.1	-4804.	89.	3.7	-43.	1.650
421287	-2	-6819.	633.	25080.	-41.	-2.	11.6	2.6	-346.	-2.	-1.	3.2	-2638.	67.	2.4	-44.	2.481
421288	-3	-6619.	586.	22980.	-51.	-3.	12.3	7.9	-386.	-2.	-1.	3.9	-3291.	83.	3.0	-59.	2.410
421289	-7	-5427.	515.	27940.	-42.	-2.	10.1	3.8	-346.	-2.	-1.	3.8	-3081.	59.	3.1	-50.	1.947

11 JAN 1984 10:00 AM

PG. ONE - SATELL 2

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCPT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
421300	59.8709	154.9539	7.	15.	-999.	1.45	-5.	-5.	-5.	13.	-20.	-15.	-5.	-10.	-15.
421301	59.8714	154.9547	7.	31.	-999.	3.19	-5.	-5.	-5.	17.	-20.	-15.	-5.	-10.	-15.
421310	59.7703	155.0892	7.	32.	-999.	1.56	-5.	-5.	-5.	10.	-20.	-15.	5.	-10.	-15.
421311	59.8153	155.0300	7.	45.	-999.	1.26	-5.	-5.	-5.	26.	-20.	-15.	11.	-10.	-15.
421314	59.8097	155.2094	7.	67.	-999.	1.07	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
421317	59.8381	155.3156	7.	7.	-979.	2.12	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421318	59.8114	155.3394	7.	11.	-999.	1.73	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421319	59.8247	155.4031	7.	25.	-999.	1.91	-5.	-5.	-5.	95.	-20.	-15.	47.	-10.	-15.
421320	59.8156	155.4169	7.	19.	-999.	1.22	-5.	-5.	-5.	36.	-20.	-15.	-5.	-10.	-15.
421322	59.8031	155.5069	7.	5.	-999.	1.07	-5.	-5.	-5.	23.	-20.	-15.	8.	-10.	-15.
421323	59.8354	155.6039	7.	6.	-999.	1.57	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421325	59.8197	155.6822	7.	6.	-999.	1.87	-5.	-5.	-5.	29.	-20.	-15.	-5.	-10.	-15.
421326	59.8086	155.7367	7.	5.	-999.	2.02	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421327	59.8392	155.7772	7.	12.	-999.	1.47	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421328	59.8504	155.8175	7.	14.	-999.	1.05	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421329	59.8197	155.8764	7.	3.	-999.	2.76	-5.	-5.	-5.	41.	-20.	-15.	5.	-10.	-15.
421330	59.8353	155.9044	7.	7.	-999.	2.08	-5.	-5.	-5.	29.	-20.	-15.	-5.	-10.	-15.
421331	59.8114	155.9472	7.	4.	-999.	1.89	-5.	-5.	-5.	29.	-20.	-15.	9.	-10.	-15.
421332	59.7689	155.9656	7.	4.	-999.	3.53	-5.	-5.	-5.	33.	-20.	-15.	5.	-10.	-15.
421333	59.7094	155.9692	7.	4.	-999.	1.22	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421334	59.6767	155.9378	7.	4.	-999.	1.98	-5.	-5.	-5.	35.	-20.	-15.	7.	-10.	-15.
421335	59.6792	155.8683	7.	3.	-999.	1.84	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
421336	59.7119	155.8997	7.	2.	-999.	1.88	-5.	-5.	-5.	20.	-20.	-15.	-5.	-10.	-15.
421337	59.7364	155.8722	7.	4.	-999.	.49	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421338	59.7422	155.8067	7.	7.	-999.	2.17	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421339	59.7253	155.7867	7.	3.	-999.	1.55	-5.	-5.	-5.	21.	-20.	-15.	10.	-10.	-15.
421341	59.7781	155.6861	7.	2.	-999.	2.00	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421343	59.7127	155.6439	7.	5.	-999.	1.90	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421344	59.7108	155.5494	7.	5.	-999.	1.65	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421347	59.7561	155.5244	7.	25.	-999.	3.79	-5.	-5.	-5.	22.	-20.	-15.	-5.	-10.	-15.
421349	59.7647	155.4547	7.	20.	-999.	1.86	-5.	-5.	-5.	27.	-20.	-15.	-5.	-10.	-15.
421347	59.7472	155.3842	7.	16.	-999.	1.66	-5.	-5.	-5.	22.	-20.	-15.	-5.	-10.	-15.
421348	59.7611	155.2928	7.	22.	-999.	.63	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421349	59.7575	155.2208	7.	50.	-999.	.89	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421350	59.7461	155.0294	7.	21.	-999.	.59	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
421351	59.8883	154.6997	7.	35.	-999.	3.78	-5.	-5.	-5.	23.	-20.	-15.	24.	-10.	-15.
421352	59.8733	154.7853	7.	43.	-999.	1.97	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421353	59.8294	154.8256	7.	38.	-999.	1.54	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
421355	59.7286	154.8856	7.	7.	-999.	1.37	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421356	59.7175	154.9739	7.	12.	-999.	.69	-5.	-5.	-5.	18.	-20.	-15.	-5.	-10.	-15.
421358	59.7125	155.1494	7.	5.	-999.	2.22	-5.	-5.	-5.	39.	-20.	-15.	9.	-10.	-15.
421359	59.7097	155.2639	7.	9.	-999.	2.35	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421360	59.6817	155.2797	7.	6.	-999.	1.51	-5.	-5.	-5.	17.	-20.	-15.	6.	-10.	-15.
421368	59.6589	155.7539	7.	2.	-999.	1.86	-5.	-5.	-5.	26.	-20.	-15.	10.	-10.	-15.
421369	59.6419	155.7697	7.	5.	-999.	1.67	-5.	-5.	-5.	31.	-20.	-15.	-5.	-10.	-15.
421370	59.6408	155.8539	7.	21.	-999.	2.09	-5.	-5.	-5.	12.	-20.	-15.	-5.	-10.	-15.
421371	59.6247	155.9286	7.	14.	-999.	1.52	-5.	-5.	-5.	16.	-20.	-15.	-5.	-10.	-15.
421372	59.5911	155.9519	7.	20.	-999.	3.31	-5.	-5.	-5.	11.	-20.	-15.	-5.	-10.	-15.
421374	59.5594	155.9781	7.	9.	-999.	1.72	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.
421375	59.5061	155.9847	7.	17.	-999.	1.33	-5.	-5.	-5.	29.	-20.	-15.	-5.	-10.	-15.

ILLIANA LAKE SEDIMENTS

PG. TWO - SAMPLE 2

SAMPLE NO.	AC PPM	AI PPM	AL PPM	AU PPM	PA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CP PPM	CS PPM	DV PPM	EU PPM	FE PPM	HF PPM	K PPM	LA PPM
421308	-1.	29.	64900.	-0.	607.	19870.	46.	266.	6.6	50.	-2.6	4.	1.5	18.00.	6.6	16720.	22.
421309	1.	48.	67400.	-0.	650.	21890.	37.	217.	5.2	35.	5.4	3.	1.6	22600.	6.8	14000.	21.
421310	-1.	22.	58200.	-0.	545.	17880.	30.	276.	-1.3	30.	3.5	3.	1.2	27980.	4.9	8753.	-8.
421311	-1.	7.	59790.	-0.	707.	24080.	24.	394.	7.6	-19.	-3.0	3.	1.1	19860.	3.5	10990.	-14.
421315	2.	33.	70700.	-0.	801.	22360.	59.	-176.	9.3	72.	3.8	6.	1.7	31150.	8.3	12000.	23.
421317	-999.	-999.	73360.	-0.	958.	18920.	35.	-197.	7.0	48.	-3.1	4.	.7	31760.	8.6	27260.	19.
421318	-999.	-999.	11450.	-0.	-492.	17360.	-17.	-262.	-6.0	-32.	-4.9	4.	-1.0	24050.	-3.7	-8800.	-26.
421319	-1.	14.	67950.	-0.	-334.	16560.	55.	309.	5.4	40.	-3.3	5.	1.4	32310.	6.7	13490.	-12.
421320	-1.	7.	52430.	-0.	379.	18860.	21.	335.	5.7	-20.	-3.0	2.	.6	21800.	3.7	-11900.	-11.
421322	-1.	6.	73570.	-0.	683.	16700.	33.	281.	7.8	42.	-2.1	4.	1.2	23740.	6.3	12590.	20.
421323	-999.	-999.	16360.	-0.	656.	14460.	36.	320.	6.2	41.	-2.9	3.	1.5	22190.	6.7	8229.	19.
421325	-1.	27.	71660.	-0.	725.	19790.	48.	360.	5.5	47.	-2.4	5.	1.5	25960.	8.4	15180.	27.
421327	-999.	-999.	69660.	-0.	855.	20710.	42.	-177.	8.8	54.	-2.7	5.	1.2	34280.	9.4	14920.	21.
421327	-999.	-999.	65110.	-0.	752.	19900.	32.	-133.	2.9	40.	-1.9	3.	1.1	17860.	5.3	17790.	-23.
421328	-999.	-999.	38980.	-0.	-539.	-2763.	-16.	-202.	-2	-31.	-3.9	-4.	-8	18040.	-3.0	-6548.	-68.
421329	-1.	23.	67690.	-0.	512.	25940.	53.	-132.	11.9	97.	-1.6	4.	1.3	40800.	15.5	9461.	30.
421330	-1.	15.	63720.	-0.	477.	15500.	44.	256.	4.4	66.	-2.6	4.	1.4	20260.	11.3	11390.	-29.
421331	1.	16.	71970.	-0.	655.	21360.	51.	-132.	6.6	43.	-1.5	3.	1.3	28710.	8.3	11650.	19.
421332	1.	29.	66360.	1.	671.	19450.	70.	-139.	10.9	115.	-2.1	4.	1.4	62200.	31.7	11370.	33.
421333	-999.	-999.	55100.	-0.	681.	13960.	27.	685.	5.7	32.	-2.3	3.	1.2	19530.	3.3	10750.	-11.
421334	-1.	13.	71540.	-0.	694.	19080.	53.	-148.	8.3	60.	-2.1	4.	1.5	38840.	9.8	11100.	17.
421335	-1.	15.	68420.	-0.	684.	19350.	50.	-133.	8.5	61.	-1.6	4.	1.3	47300.	12.2	17000.	24.
421336	1.	4.	74460.	-0.	789.	18640.	47.	198.	8.2	58.	-2.0	4.	1.3	27830.	7.6	16410.	20.
421337	-999.	-999.	13160.	-0.	-548.	11320.	-25.	356.	-9.0	-42.	-6.0	-5.	-1.4	16050.	-5.0	-5554.	-37.
421338	-999.	-999.	65860.	1.	829.	21080.	55.	-206.	5.2	67.	-3.2	4.	1.5	35530.	13.2	11870.	30.
421339	1.	20.	70470.	-0.	722.	16400.	37.	206.	4.4	37.	-1.7	3.	1.3	21440.	5.7	10780.	16.
421341	-999.	-999.	69230.	-0.	779.	21960.	50.	-172.	4.2	50.	-2.3	4.	1.6	31510.	12.9	15250.	21.
421343	-999.	-999.	43490.	-0.	-441.	11860.	-18.	507.	18.1	-33.	-4.9	-3.	-1.1	21880.	-3.6	-7083.	-28.
421344	-999.	-999.	72430.	-0.	1047.	19120.	52.	-159.	6.7	50.	-2.4	4.	1.7	25920.	7.1	16020.	21.
421345	-1.	6.	43280.	-0.	518.	18440.	-14.	-204.	-1	-26.	-3.7	3.	-8	12130.	-2.8	-6189.	-15.
421346	-1.	27.	57620.	-0.	600.	19720.	37.	-196.	10.9	56.	-3.3	5.	.9	30930.	5.7	-7278.	16.
421347	-1.	10.	46320.	-0.	435.	15760.	-11.	386.	5.2	46.	-3.1	3.	-6	21080.	-2.2	11560.	-15.
421348	-999.	-999.	38110.	-0.	-630.	15690.	-34.	898.	-2	-59.	-7.4	-4.	-1.9	26990.	-6.2	-7916.	-39.
421349	-999.	-999.	43840.	-0.	-359.	18570.	-16.	464.	-1	-28.	-4.1	3.	-9	12970.	-3.1	-6300.	-17.
421350	-1.	3.	12670.	-0.	-498.	16090.	-18.	350.	-2	-33.	-4.1	-3.	-1.0	12560.	-3.4	-9259.	-19.
421351	-1.	28.	66900.	-0.	970.	15340.	41.	247.	4.5	-14.	5.7	3.	3.0	18070.	4.8	19510.	20.
421352	-999.	-999.	66270.	-0.	-476.	26500.	36.	-281.	5.4	61.	-5.1	4.	-1.1	26060.	6.6	-8753.	-23.
421353	-1.	16.	62050.	-0.	-252.	22640.	45.	303.	4.3	-18.	-2.8	3.	1.1	29940.	5.2	12790.	-8.
421355	-999.	-999.	60780.	-0.	816.	34030.	24.	-285.	-1	72.	-3.9	3.	1.2	35220.	4.5	16890.	-9.
421356	-1.	3.	31040.	-0.	-329.	13320.	-15.	720.	-1	-28.	-3.7	-2.	-9	12020.	-2.9	-5112.	-15.
421358	-1.	13.	70290.	-0.	614.	21570.	67.	190.	8.7	63.	-1.9	4.	1.4	49970.	14.6	11020.	25.
421359	-999.	-999.	64560.	-0.	654.	22790.	63.	174.	11.5	71.	-2.2	5.	1.4	35670.	10.5	12810.	31.
421360	2.	16.	68420.	-0.	797.	19670.	27.	194.	5.9	-12.	-1.9	2.	1.1	21480.	3.8	14080.	15.
421368	-1.	11.	75330.	-0.	716.	18770.	54.	166.	7.0	49.	-2.0	4.	1.5	29810.	7.6	14200.	29.
421369	1.	18.	73800.	-0.	811.	15630.	35.	244.	8.7	41.	-2.2	4.	1.3	22910.	4.5	18690.	17.
421370	2.	27.	64440.	-0.	683.	70910.	38.	-132.	3.2	44.	-2.0	3.	1.0	18600.	13.5	16390.	21.
421371	-1.	29.	61030.	-0.	718.	16610.	34.	-164.	3.3	39.	-2.2	4.	1.1	17680.	5.5	12830.	19.
421372	-1.	18.	60680.	-0.	537.	22550.	103.	-158.	9.1	129.	-2.1	5.	2.0	47520.	42.6	10740.	48.
421374	-1.	7.	64560.	-0.	703.	15470.	49.	170.	8.5	61.	-2.6	5.	2.3	35440.	6.4	17010.	21.
421375	1.	10.	62940.	-0.	950.	16430.	34.	-159.	6.5	-21.	-3.1	3.	1.9	24880.	4.6	13730.	14.

ILIAMA LAVE SEDIMENTS

PG. THREE - SAMPLE

SAMPLE NO.	LI PPM	MG PPM	MN PPM	NA PPM	PB PPM	SB PPM	SC PPM	SP PPM	SP PPM	TA PPM	TB PPM	TN PPM	TI PPM	V PPM	VB PPM	ZN PPM	W/TI RATIO
421304	.4	7145.	613.	22770.	-57.	-3.	10.5	4.1	-418.	-3.	-1.	4.1	3883.	64.	-2.5	73.	2.809
421309	.3	5968.	595.	23220.	-47.	-2.	11.3	3.6	-364.	-2.	-1.	3.5	3849.	69.	-1.9	-63.	1.090
421310	-.7	5437.	467.	21250.	-61.	-3.	10.1	3.4	-409.	-3.	-1.	-1.9	3467.	63.	-2.6	-75.	-999.000
421311	.2	6658.	578.	19770.	-71.	-3.	9.4	2.1	-475.	-3.	-2.	-2.0	3936.	67.	-2.9	-98.	-999.000
421315	.4	6927.	747.	21370.	-69.	-3.	13.8	5.9	-468.	-3.	-2.	3.2	4413.	97.	-3.0	-19.	1.043
421317	.3	7174.	701.	24730.	-67.	-4.	11.2	3.5	-500.	-3.	-2.	3.5	5796.	112.	-3.1	-77.	1.650
421318	-.3	9139.	663.	19760.	-127.	-6.	9.5	2.4	-715.	-6.	-3.	-3.4	3651.	89.	-4.9	-153.	-999.000
421319	.4	5506.	1015.	17860.	-68.	-4.	11.5	4.3	-566.	-3.	-2.	3.4	3587.	90.	-3.0	383.	1.779
421320	.2	6705.	734.	14666.	-67.	-3.	9.1	2.4	-507.	-3.	-2.	-2.1	3483.	67.	-3.0	-61.	-999.000
421322	.2	6913.	549.	20570.	-47.	-2.	12.7	3.5	-331.	-2.	-1.	3.4	4559.	82.	3.0	-56.	1.818
421323	.3	5302.	450.	20090.	-64.	-3.	10.5	2.9	-422.	-3.	-2.	3.8	3559.	69.	-2.6	-69.	2.278
421324	.4	7563.	680.	22350.	-53.	-3.	12.7	3.8	-409.	-2.	-1.	3.5	4500.	104.	3.0	159.	1.873
421326	.3	8765.	823.	22990.	-58.	-3.	13.4	4.0	-451.	-2.	-1.	4.1	6547.	206.	3.4	175.	2.028
421327	.2	7643.	488.	25000.	-44.	-6.	9.4	-2.0	356.	-2.	-1.	3.2	3743.	57.	-3.3	-49.	2.179
421328	-.4	-3761.	253.	8605.	-111.	-12.	5.8	-5.1	-641.	-4.	-2.	-3.3	-1779.	42.	-7.3	-107.	-999.000
421329	.4	8833.	870.	22960.	-36.	-5.	15.4	3.8	-310.	-1.	-1.	4.7	6060.	135.	4.1	-36.	1.704
421330	.3	4508.	931.	20150.	-56.	-8.	11.2	4.7	-371.	-1.	-1.	4.4	5963.	89.	7.1	-61.	2.131
421331	.3	5283.	717.	25730.	36.	-2.	11.8	3.3	-294.	-1.	-1.	3.7	4035.	82.	2.7	92.	1.957
421332	.5	9306.	1114.	21370.	-44.	-2.	16.3	5.1	-171.	-2.	-1.	7.1	8325.	179.	4.1	144.	2.012
421333	.2	5592.	438.	20430.	-58.	-3.	7.9	2.2	-372.	-3.	-1.	2.9	3002.	47.	-2.7	-66.	2.375
421334	.3	5295.	651.	24750.	-44.	-2.	12.6	4.0	-355.	-2.	-1.	4.3	4762.	111.	2.5	59.	2.174
421335	.3	5273.	808.	25110.	42.	-2.	11.8	4.0	-307.	-1.	-1.	3.4	4754.	132.	3.2	85.	1.848
421336	.3	7608.	589.	23900.	-39.	-2.	13.3	4.0	-320.	-1.	-1.	4.1	3621.	87.	3.2	-57.	2.179
421337	-.4	-1535.	91.	4072.	-173.	-7.	1.9	-2.5	-577.	-7.	-3.	-4.6	-1568.	31.	-6.5	-215.	-999.000
421338	.3	5747.	890.	25140.	-72.	-4.	10.7	3.9	-542.	-2.	-2.	6.3	5952.	115.	2.8	-82.	2.907
421339	.3	5967.	498.	26550.	-35.	-2.	9.9	3.4	-301.	-1.	-1.	3.2	2884.	64.	-1.4	-41.	2.066
421341	.3	6567.	710.	27720.	-51.	-3.	10.3	3.8	-409.	-1.	-1.	3.9	5126.	84.	-2.0	-64.	1.949
421343	-.3	6415.	347.	13820.	-136.	-5.	6.9	2.6	-581.	-5.	-3.	-3.6	2253.	69.	-4.9	-171.	-999.000
421344	.4	3687.	981.	24980.	-53.	-3.	12.0	4.6	-375.	-2.	-1.	3.9	3524.	78.	-2.0	-59.	2.364
421345	-.3	-3507.	347.	15530.	-90.	-4.	7.0	3.2	-491.	-4.	-2.	-2.7	2267.	46.	-3.9	-101.	-999.000
421346	-.7	-3529.	1190.	17300.	-71.	-4.	11.9	3.3	-578.	-3.	-2.	3.6	3891.	83.	3.8	-58.	1.934
421347	-.7	-3039.	809.	12220.	-79.	-4.	7.7	2.0	-488.	-4.	-2.	-2.1	3060.	65.	-3.0	-98.	-999.000
421348	-.6	-4823.	226.	10440.	-211.	-9.	4.9	-3.1	-745.	-8.	-4.	-6.3	-2016.	48.	-8.8	-267.	-999.000
421349	-.3	-3615.	349.	13690.	-92.	-4.	7.2	-1.5	-504.	-5.	-2.	-3.0	2035.	36.	-4.2	-122.	-999.000
421350	-.3	-3848.	1310.	4479.	-115.	-5.	2.3	-1.8	-797.	-4.	-2.	-3.5	-2003.	25.	-4.7	-119.	-999.000
421351	.3	-2763.	493.	22710.	-54.	-3.	6.8	3.4	-361.	-2.	-1.	7.3	2590.	35.	3.4	137.	1.931
421352	-.7	-4899.	948.	25880.	-177.	-6.	11.9	4.1	-730.	-6.	-3.	-3.8	5015.	63.	-5.3	-148.	-999.000
421353	-.7	7209.	540.	20210.	-63.	-3.	11.8	2.6	-421.	-3.	-1.	3.7	3030.	105.	-2.7	68.	2.404
421355	-.2	13370.	943.	30090.	-77.	-5.	15.5	2.9	-723.	-3.	-2.	-2.6	5776.	98.	-3.8	-117.	-999.000
421356	-.3	-3177.	239.	10820.	-95.	-4.	5.1	-1.4	-442.	-4.	-2.	-3.0	1331.	32.	-3.9	-77.	-999.000
421358	.4	7273.	895.	23320.	-42.	-2.	14.5	5.1	-323.	-1.	-1.	5.1	4951.	147.	4.5	-48.	2.299
421359	.3	7549.	1040.	22670.	-49.	-2.	13.8	-5.3	-420.	-2.	-1.	3.6	7547.	124.	3.5	150.	1.531
421360	-.1	5975.	500.	26290.	-61.	-2.	10.2	-2.3	394.	-1.	-1.	2.6	2919.	54.	2.9	-50.	1.721
421368	.4	4438.	708.	24670.	-41.	-2.	12.9	4.2	-333.	-1.	-1.	3.6	3944.	85.	3.1	165.	1.934
421369	.2	7168.	476.	22290.	-50.	-2.	11.7	-2.8	-344.	-2.	-1.	2.9	3641.	77.	-1.8	-58.	1.736
421370	-.1	7687.	586.	25670.	-44.	-2.	10.9	-4.2	-298.	-1.	-1.	4.0	3982.	56.	-1.6	-47.	1.916
421371	-.4	4490.	442.	21210.	-49.	-2.	9.0	-2.9	-392.	-2.	-1.	3.0	3126.	59.	-1.6	-67.	1.972
421372	.6	5606.	1501.	23060.	-41.	-2.	17.8	6.7	-407.	-1.	-1.	6.8	9785.	134.	5.6	-49.	2.053
421374	.2	5253.	528.	18800.	-56.	-2.	12.6	-4.1	-368.	-2.	-1.	3.6	4107.	107.	2.8	-64.	2.092
421375	-.7	3738.	498.	21530.	-72.	-3.	10.5	-3.4	-367.	-3.	-2.	-2.2	1571.	63.	-2.5	-90.	-999.000

ILLIANA LAKE SEDIMENTS

PG. ONE - SAMPLE

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NIOBILUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
421376	59.4675	155.9126	7.	8.	-999.	.95	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421377	59.5061	155.9083	7.	8.	-999.	1.55	-5.	-5.	-5.	25.	-20.	-15.	4.	-10.	-15.
421378	59.5272	155.9289	7.	16.	-999.	2.37	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421379	59.5522	155.9103	7.	39.	-999.	6.42	-5.	-5.	-5.	33.	-20.	38.	9.	-10.	16.
421380	59.5704	155.7906	7.	35.	-999.	2.98	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421381	59.6344	155.6525	7.	16.	-999.	1.71	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421382	59.6317	155.6031	7.	42.	-999.	1.94	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421383	59.6319	155.5604	7.	20.	-999.	1.73	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421384	59.6478	155.4697	7.	32.	-999.	1.99	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421385	59.6411	155.3761	7.	32.	-999.	.43	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421387	59.6550	155.2247	7.	11.	-999.	1.45	-5.	-5.	-5.	26.	-20.	-15.	8.	-10.	-15.
421388	59.6706	155.1297	7.	25.	-999.	1.30	-5.	-5.	-5.	30.	-20.	-15.	-5.	-10.	-15.
421389	59.6653	155.0428	7.	10.	-999.	3.93	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421390	59.6864	154.9569	7.	35.	-999.	1.45	-5.	-5.	-5.	33.	-20.	-15.	-5.	-10.	-15.
421391	59.6897	154.9486	7.	39.	-999.	1.34	-5.	-5.	-5.	16.	-20.	-15.	-5.	-10.	-15.
421392	59.6136	154.4131	7.	26.	-999.	18.17	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421395	59.9919	154.2672	8.	8.	-999.	.96	-5.	-5.	-5.	32.	-20.	-15.	8.	-10.	-15.
421405	59.9006	154.2639	7.	20.	-999.	1.65	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.
421409	59.8511	154.3131	7.	18.	-999.	1.00	-5.	-5.	-5.	29.	-20.	-15.	5.	-10.	-15.
421410	59.8181	154.3153	7.	26.	-999.	2.64	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
421411	59.8103	154.2497	7.	15.	-999.	1.21	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421417	59.7808	154.0542	7.	46.	-999.	1.79	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421418	59.7266	153.9575	7.	16.	-999.	1.51	-5.	6.	-5.	20.	-20.	-15.	11.	-10.	-15.
421419	59.7494	153.9031	7.	17.	-999.	1.99	-5.	-5.	-5.	31.	-20.	-15.	-5.	-10.	-15.
421420	59.7953	153.8736	7.	23.	-999.	1.65	-5.	-5.	-5.	40.	-20.	-15.	7.	-10.	-15.
421431	59.4367	153.4422	7.	12.	-999.	1.71	-5.	-5.	-5.	50.	-20.	-15.	-5.	-10.	-15.
421441	59.9236	153.3269	7.	9.	-999.	.72	-5.	-5.	-5.	25.	-20.	-15.	-5.	-10.	-15.
421457	59.8383	153.9150	7.	12.	-999.	1.67	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421460	59.6464	154.4022	7.	46.	-999.	.85	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421463	59.6683	154.1953	7.	22.	-999.	1.01	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421465	59.7106	154.1897	7.	25.	-999.	2.25	-5.	-5.	-5.	-10.	-20.	-17.	-5.	-10.	-15.
421469	59.7211	153.9383	7.	36.	-999.	.75	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421470	59.6876	153.9311	7.	20.	-999.	1.17	-5.	5.	-5.	54.	-20.	29.	-5.	-10.	-15.
421472	59.6467	153.8386	7.	11.	-999.	1.01	-5.	5.	-5.	53.	-20.	-15.	-5.	-10.	-15.
421475	59.6014	153.9950	7.	10.	-999.	.45	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421479	59.5836	154.0764	7.	26.	-999.	.81	-5.	-5.	-5.	26.	-20.	19.	-5.	-10.	-15.
421481	59.5411	153.9933	7.	8.	-999.	1.53	-5.	-5.	-5.	40.	-20.	19.	-5.	-10.	-15.
421483	59.5019	153.9350	7.	9.	-999.	2.37	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421487	59.5264	154.1831	7.	20.	-999.	1.54	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421489	59.4425	154.3292	7.	46.	-999.	1.32	-5.	-5.	-5.	31.	-20.	30.	6.	-10.	-15.
421490	59.4186	154.3933	7.	40.	-999.	1.19	-5.	7.	-5.	37.	-20.	36.	-5.	-10.	-15.
421491	59.4125	154.4492	7.	23.	-999.	.94	-5.	-5.	-5.	41.	-20.	-15.	-5.	-10.	-15.
421492	59.4208	154.5039	7.	53.	-999.	1.37	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421499	59.4547	154.4472	7.	83.	-999.	1.54	-5.	-5.	-5.	15.	-20.	-15.	-5.	-10.	-15.
421501	59.5100	154.4089	7.	48.	-999.	1.11	-5.	7.	-5.	24.	-20.	21.	-5.	-10.	-15.
421502	59.5033	154.5681	7.	36.	-999.	1.42	-5.	-5.	-5.	23.	-20.	15.	13.	-10.	-15.
421503	59.4917	154.5825	7.	21.	-999.	.56	-5.	-5.	-5.	28.	-20.	-15.	10.	-10.	-15.
421505	59.5472	154.4914	7.	43.	-999.	.58	-5.	-5.	-5.	17.	-20.	-15.	-5.	-10.	-15.
421506	59.5492	154.4436	7.	52.	-999.	1.56	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421508	59.5503	154.2783	7.	67.	-999.	1.62	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.

ILLIANA LAKE SEDIMENTS

PG. TWO - SAMPLE 3

SAMPLE NO.	AF PPM	LI PPM	AL PPM	AU PPM	PA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CR PPM	CS PPM	CV PPM	FI PPM	FE PPM	HF PPM	K PPM	LA PPM
421371	-999.	-999.	47890.	-0.	-790.	-4563.	-28.	-323.	-0.1	-49.	-6.2	-5.	-1.6	36960.	-5.5	-10710.	-20.
421377	-1.	28.	76220.	-0.	724.	20210.	50.	-149.	5.0	47.	-2.7	4.	1.4	29780.	7.3	15370.	20.
421378	-999.	-999.	70410.	-0.	902.	25410.	30.	-202.	6.0	51.	-2.6	5.	1.4	26470.	12.4	15080.	27.
421379	-1.	15.	57980.	-0.	-347.	35540.	180.	-193.	13.7	224.	-4.0	9.	3.3	65400.	77.8	-8311.	67.
421380	-999.	-999.	70430.	-0.	-703.	33130.	189.	-337.	7.9	237.	-5.3	12.	2.7	62590.	85.1	-14370.	92.
421381	-999.	-999.	67200.	-0.	555.	16340.	-23.	-296.	-0.2	-41.	-6.3	6.	-1.3	41420.	-4.4	-9342.	-14.
421382	-999.	-999.	66600.	-0.	598.	33720.	42.	-171.	11.0	71.	-2.7	5.	1.1	39310.	4.0	15250.	27.
421383	-999.	-999.	59140.	-0.	631.	19400.	51.	296.	4.7	31.	-3.0	4.	.9	30850.	7.0	13930.	21.
421384	-999.	-999.	60370.	-0.	-530.	20960.	-17.	-271.	-0.1	-29.	-4.7	4.	-1.0	23460.	-3.3	-8439.	-12.
421385	-999.	-999.	14640.	-0.	-568.	-3062.	-28.	371.	-0.3	-48.	-6.5	-5.	-1.6	15950.	-5.1	-9138.	-18.
421387	-1.	1.	60080.	-0.	616.	13480.	24.	287.	5.0	-21.	-3.2	4.	1.3	18120.	-2.3	10370.	-10.
421388	-1.	8.	48850.	-0.	456.	14840.	-14.	696.	-3.2	-25.	-3.7	4.	1.0	20290.	-2.6	9156.	-10.
421389	-999.	-999.	61060.	-0.	575.	35050.	133.	-181.	13.8	154.	-2.4	8.	2.3	51640.	19.3	-6603.	60.
421390	-1.	11.	64500.	-0.	436.	19650.	38.	880.	4.9	34.	-2.7	4.	1.5	29420.	5.2	8832.	16.
421391	-1.	18.	65570.	-0.	-267.	29720.	35.	312.	8.1	-14.	-2.4	4.	1.1	26110.	7.5	-6144.	20.
421392	-999.	-999.	64780.	-0.	846.	16610.	49.	393.	-1.1	-30.	7.6	5.	-0.9	26310.	-3.4	16920.	26.
421393	-1.	9.	65370.	-0.	528.	20550.	19.	544.	-0.5	-21.	-3.4	-2.	1.0	25940.	-2.4	-6919.	14.
421405	-1.	14.	68680.	-0.	501.	24090.	36.	492.	-2.5	-18.	-2.9	3.	1.4	15480.	5.3	11450.	-7.
421409	-1.	6.	50790.	-0.	413.	19140.	23.	509.	3.3	-16.	-2.5	3.	.9	13690.	3.3	-6116.	-4.
421410	-1.	9.	39510.	-0.	454.	10580.	24.	905.	-2.3	-23.	5.3	4.	1.1	20370.	-2.5	11750.	-11.
421411	-999.	-999.	44240.	-0.	-327.	14070.	26.	959.	-0.1	-18.	-2.8	4.	.7	12490.	-2.1	9136.	-8.
421417	-999.	-999.	84960.	-0.	-676.	46230.	-16.	-363.	14.5	-31.	-5.2	7.	-0.9	51260.	-3.5	-13460.	-15.
421418	-1.	16.	50090.	-0.	631.	14790.	31.	1152.	-0.2	-27.	5.2	4.	-0.8	8320.	5.3	21140.	-13.
421419	-1.	23.	59800.	-0.	801.	14960.	34.	1358.	-0.1	-18.	-2.8	6.	1.2	12900.	5.7	14460.	-9.
421420	-1.	10.	74110.	-0.	850.	25910.	29.	447.	-3.0	39.	-2.5	3.	1.2	21370.	5.2	9267.	-7.
421416	1.	24.	76280.	-0.	691.	25750.	26.	626.	8.1	24.	-2.2	4.	.9	30770.	4.9	11900.	8.
421441	-1.	3.	37480.	-0.	-429.	-2819.	-13.	826.	-0.2	-25.	-3.7	-3.	-0.8	10160.	-2.8	-6262.	-11.
421457	-999.	-999.	51250.	-0.	603.	10580.	27.	1167.	-0.1	-15.	-2.8	5.	.8	11860.	5.7	14590.	-6.
421460	-999.	-999.	81930.	-0.	-704.	43090.	-15.	935.	-2.5	50.	-4.8	-4.	-0.8	30830.	-3.3	-11120.	-13.
421463	-999.	-999.	49800.	-0.	456.	18650.	-9.	1281.	6.2	-17.	-2.7	4.	.8	16730.	2.4	9245.	-11.
421465	1.	26.	80090.	-0.	552.	38080.	26.	632.	11.6	22.	-2.0	4.	1.1	33070.	5.2	10060.	13.
421469	-999.	-999.	65010.	-0.	-566.	33830.	-15.	749.	-0.2	52.	-4.7	-4.	1.0	34190.	-3.2	-9392.	-13.
421470	-1.	16.	76130.	-0.	277.	37110.	21.	510.	20.1	59.	-2.2	3.	.9	65810.	3.6	-5540.	13.
421472	-1.	71.	75950.	-0.	475.	36920.	21.	448.	10.7	43.	-2.2	4.	1.1	43790.	3.5	6281.	11.
421475	-999.	-999.	72770.	-0.	-213.	45530.	-5.	268.	22.7	33.	-2.3	3.	1.0	80690.	3.8	-5447.	6.
421479	-1.	31.	78650.	-0.	-736.	37050.	18.	493.	12.8	29.	-2.1	2.	.9	50840.	3.6	-5402.	-4.
421481	-1.	16.	74390.	-0.	486.	33230.	47.	782.	12.3	-16.	-2.6	5.	1.4	43130.	4.8	10810.	11.
421483	-999.	-999.	84310.	-0.	-310.	47460.	18.	420.	15.5	40.	-2.9	3.	1.0	49500.	2.7	-6783.	8.
421487	-999.	-999.	60780.	-0.	586.	19950.	25.	1199.	6.4	-14.	-2.4	5.	.8	19880.	4.5	17560.	-6.
421489	-1.	14.	74560.	-0.	497.	31560.	47.	530.	12.4	138.	-3.2	3.	1.3	39850.	3.7	-6252.	-7.
421490	-1.	7.	57400.	-0.	527.	19570.	32.	674.	5.2	120.	-3.2	4.	1.1	40870.	4.6	8614.	16.
421491	-1.	9.	51770.	-0.	594.	18680.	-8.	458.	-1.8	-17.	-2.8	4.	1.0	46860.	4.0	-6055.	8.
421492	-999.	-999.	46800.	-0.	-347.	12070.	-9.	1307.	3.2	-17.	-2.6	5.	.7	14570.	4.1	10290.	-9.
421499	-1.	25.	60810.	-0.	491.	22540.	39.	1038.	-0.1	-19.	-3.1	5.	1.3	15820.	5.3	16000.	-0.
421501	-1.	11.	49310.	-0.	322.	17830.	30.	671.	4.0	-16.	4.9	4.	1.2	20880.	3.4	11360.	-6.
421502	-1.	17.	47490.	-0.	-389.	13210.	27.	1065.	-0.1	31.	-2.9	5.	.6	14470.	-2.2	14520.	-8.
421503	-1.	3.	35200.	-0.	-397.	16720.	-10.	830.	3.2	-14.	-3.2	-3.	-0.6	12820.	-2.2	-6548.	-11.
421505	-1.	5.	33880.	-0.	-372.	16350.	-14.	744.	-1.3	45.	-4.0	2.	-0.8	13260.	-3.1	-6503.	-13.
421506	-999.	-999.	78870.	-0.	694.	26530.	27.	-205.	5.1	54.	-2.6	3.	.9	29110.	4.0	10810.	-7.
421508	-1.	25.	60090.	-0.	641.	17900.	28.	1163.	5.7	-13.	-2.7	4.	1.1	15230.	4.8	12000.	13.

ILLIANA LAKE SEDIMENTS

PG. THREE - SAMPLE 3

SAMPLE NO.	LU PPM	PG PPM	PH PPM	NA PPM	BB PPM	SP PPM	SC PPM	SM PPM	SP PPM	TA PPM	TR PPM	TH PPM	TI PPM	V PPM	TE PPM	ZI PPM	U/TH PPM
421371	-5	-6071.	532.	12400.	-189.	-6.	7.1	-1.8	-932.	-7.	-4.	-5.2	-2669.	56.	-6.2	-110.	-999.000
421377	.3	4324.	561.	25490.	-43.	-2.	12.1	4.3	-332.	-1.	-1.	3.9	3188.	76.	2.6	-70.	2.519
421378	.3	8404.	970.	27290.	-64.	-2.	11.4	4.3	-521.	-2.	-1.	3.7	6951.	91.	-2.2	-70.	1.560
421379	1.1	10380.	2619.	16620.	-79.	-3.	26.7	10.7	-650.	-4.	-2.	10.8	20590.	228.	10.4	-102.	1.684
421380	1.1	12380.	3296.	22140.	-111.	-4.	21.3	9.3	-999.	-4.	-3.	16.7	25680.	232.	9.1	-155.	1.859
421381	-4	-5255.	580.	21740.	-152.	-5.	10.7	2.9	-764.	-7.	-3.	-4.4	3771.	119.	-5.2	-185.	-999.000
421382	.3	13560.	1211.	23210.	-54.	-2.	21.0	4.5	-467.	-2.	-1.	3.1	6068.	133.	3.4	-71.	1.597
421383	.3	7151.	624.	22210.	-68.	-2.	11.1	3.5	-386.	-3.	-2.	-2.1	4071.	67.	-2.5	-95.	-999.000
421384	-3	6897.	560.	18890.	-113.	-4.	9.1	2.0	-751.	-6.	-3.	-3.3	2967.	69.	-3.9	151.	-999.000
421385	-5	-3683.	92.	3859.	-182.	-6.	2.1	-1.7	-592.	-6.	-4.	-5.2	-1708.	-13.	-5.9	-219.	-999.000
421387	-2	6307.	402.	18460.	-75.	-3.	7.9	2.7	-466.	-4.	-2.	2.7	2806.	61.	-2.6	-94.	1.862
421388	-2	4790.	406.	15880.	-91.	-3.	8.9	-3.5	-398.	-3.	-2.	-2.8	2547.	53.	-3.1	-109.	-999.000
421389	.8	10090.	1499.	20520.	-45.	-2.	24.0	11.6	-521.	2.	-1.	11.5	12700.	142.	6.1	-53.	2.924
421390	.4	5192.	631.	20540.	-60.	-2.	12.2	4.1	-410.	-3.	-1.	3.6	2643.	69.	4.1	-73.	2.481
421391	.3	10120.	1091.	22980.	-55.	-2.	12.0	-4.0	-475.	-2.	-1.	2.1	4174.	67.	-1.6	-70.	1.567
421392	.5	7863.	624.	16180.	-106.	-4.	10.4	-10.2	-491.	-4.	-2.	-3.1	1909.	62.	-3.8	-136.	-999.000
421395	-2	-3764.	555.	18520.	-79.	-3.	9.0	2.9	-577.	-3.	-2.	-2.3	-1473.	78.	-2.7	-87.	-999.000
421405	.5	5672.	695.	23520.	-54.	-3.	10.4	3.5	-463.	-2.	-1.	-2.0	3706.	56.	-2.4	-76.	-999.000
421409	-2	-3841.	406.	18940.	-59.	-3.	6.1	2.1	-528.	-2.	-1.	1.8	-1349.	45.	-2.4	-72.	1.799
421410	.6	-3319.	393.	15930.	-73.	-4.	6.5	3.3	-465.	-3.	-2.	-2.5	1408.	42.	-3.1	176.	-999.000
421411	.2	-3319.	326.	17080.	-62.	-3.	6.0	2.3	-459.	-3.	-2.	-2.0	-1195.	33.	-2.8	-97.	-999.000
421417	-3	18150.	1692.	26040.	-115.	-5.	14.7	-1.6	-999.	-5.	-2.	-3.3	5130.	218.	-4.6	-153.	-999.000
421418	.3	-3788.	361.	22400.	-79.	-4.	7.5	-3.4	-524.	-3.	-2.	-2.9	1511.	29.	-3.6	-99.	-999.000
421419	.5	-3149.	407.	26270.	-58.	-3.	8.5	3.0	-470.	-2.	-1.	4.3	-1162.	32.	4.2	-75.	2.160
421420	.3	6744.	712.	25550.	-50.	-3.	11.6	2.3	-516.	-2.	-1.	3.2	3275.	66.	-2.4	-64.	1.938
421431	.3	8212.	848.	28040.	-43.	-2.	13.2	-4.1	-376.	-1.	-1.	2.8	2446.	83.	4.0	-108.	1.637
421441	-3	-3688.	290.	11060.	-77.	-4.	5.6	-1.3	-544.	-4.	-2.	-2.6	1824.	29.	-3.8	-95.	-999.000
421457	.3	-3700.	343.	22200.	-66.	-3.	7.0	2.8	-492.	-3.	-1.	3.6	-1269.	29.	3.1	108.	2.155
421460	-3	16630.	971.	24980.	-105.	-5.	12.7	-1.3	-999.	-4.	-2.	-3.1	-2637.	129.	-4.3	-127.	-999.000
421463	.3	-3268.	389.	18810.	-63.	-3.	7.2	2.2	-437.	-3.	-1.	-1.8	-1112.	67.	-2.6	-64.	-999.000
421465	.3	14110.	1026.	28070.	-38.	-2.	15.6	3.1	-411.	-1.	-1.	2.8	2790.	93.	2.6	-103.	1.244
421469	-3	11480.	664.	19840.	-103.	-5.	10.7	1.9	-820.	-4.	-2.	-3.0	-2153.	110.	-4.3	199.	-999.000
421470	.3	14160.	1215.	22890.	-46.	-2.	18.7	2.6	-409.	-1.	1.	2.0	5575.	237.	2.6	-53.	1.709
421472	.3	15860.	974.	23710.	-43.	-2.	18.4	2.6	-365.	-2.	-1.	2.3	3585.	123.	2.6	-55.	2.278
421475	.2	17830.	1509.	20250.	-42.	-2.	26.5	2.4	-408.	-1.	-1.	-1.7	4258.	303.	2.9	-51.	-999.000
421479	.3	12760.	1084.	24400.	-42.	-2.	17.6	2.7	-421.	-1.	-1.	2.2	3798.	136.	-2.5	-20.	2.717
421481	.3	11610.	890.	26280.	-50.	-3.	17.1	4.0	-389.	-2.	-1.	-1.7	3948.	139.	4.3	-58.	-999.000
421483	.3	21180.	1247.	25280.	-55.	-3.	21.9	2.0	-550.	-2.	-1.	1.8	4116.	140.	3.7	194.	.759
421487	.4	6343.	486.	25900.	-51.	-2.	9.0	3.4	-463.	-2.	-1.	2.5	-1154.	65.	3.8	64.	1.623
421489	-2	9732.	1005.	22450.	-61.	-3.	14.9	3.2	-488.	-2.	-2.	-2.2	4258.	159.	4.8	-47.	-999.000
421490	.3	7066.	545.	14290.	-71.	-3.	10.7	3.4	-469.	-3.	-2.	2.6	4066.	95.	-2.8	-83.	2.183
421491	.3	4925.	689.	16060.	-62.	-3.	10.6	3.0	-502.	-2.	-1.	-1.8	2028.	73.	3.6	66.	-999.000
421492	.4	-3785.	328.	19760.	-58.	-3.	6.5	2.4	-507.	-3.	-1.	-1.9	-1292.	42.	-2.2	-68.	-999.000
421499	.3	-3398.	474.	24890.	-56.	-3.	9.7	4.3	-436.	-3.	-1.	4.1	2372.	50.	3.6	-91.	2.660
421501	.3	4990.	431.	17540.	-52.	-3.	10.2	3.6	-386.	-2.	-1.	-1.7	2141.	59.	3.4	-76.	-999.000
421502	.4	-3980.	346.	20130.	-71.	-3.	7.0	2.6	-565.	-3.	-2.	-2.1	1848.	35.	3.3	-82.	-999.000
421503	-2	-3568.	404.	10480.	-65.	-3.	5.5	-1.0	-560.	-3.	-2.	-2.0	-1434.	43.	-2.7	-85.	-999.000
421505	-3	5428.	597.	10700.	-81.	-4.	7.0	-1.2	-563.	-4.	-2.	-3.0	-1427.	53.	-3.9	-126.	-999.000
421506	.2	9642.	1091.	23290.	-58.	-3.	11.7	1.7	-559.	-2.	-1.	2.3	4259.	103.	-2.2	-72.	1.475
421508	.4	-3565.	417.	24990.	-47.	-2.	7.9	3.0	-445.	-2.	-1.	3.2	2043.	46.	4.6	132.	1.976

ILLIANA LAKE SEDIMENTS

PG. ONE - SAMPLE															
SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NIOBUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	BIUNGSTEN PPM
421509	59.5922	154.2444	7.	62.	-999.	.62	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421510	59.5881	154.1936	7.	48.	-999.	1.11	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.	-15.
421511	59.6197	154.1769	7.	15.	-999.	1.97	-5.	-5.	-5.	33.	-20.	-15.	7.	-10.	-15.
421512	59.6192	154.2250	7.	60.	-999.	.95	-5.	-5.	-5.	37.	-20.	-15.	-5.	-10.	-15.
421513	59.6339	154.3062	7.	25.	-999.	.43	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421515	59.5933	154.4047	7.	43.	-999.	1.26	-5.	-5.	-5.	21.	-20.	24.	5.	-10.	-15.
421516	59.6414	154.3839	7.	16.	-999.	.86	-5.	-5.	-5.	40.	-20.	89.	8.	11.	-15.
421517	59.6214	154.4356	7.	8.	-999.	1.84	-5.	-5.	-5.	64.	-20.	24.	18.	21.	-15.
421518	59.5947	154.4769	7.	11.	-999.	.82	-5.	-5.	5.	25.	-20.	-15.	-5.	-10.	-15.
421519	59.5850	154.5725	7.	43.	-999.	1.00	-5.	-5.	-5.	20.	-20.	-15.	5.	-10.	-15.
421521	59.4406	154.7722	8.	90.	-999.	1.21	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421524	59.3744	154.5494	7.	29.	-999.	2.49	-5.	-5.	-5.	29.	-20.	17.	6.	-10.	-15.
421525	59.3617	154.4294	7.	24.	-999.	1.30	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421526	59.3714	154.4286	7.	22.	-999.	2.11	-5.	-5.	-5.	20.	-20.	-15.	9.	-10.	-15.
421528	59.3553	154.2819	7.	28.	-999.	2.24	-5.	-5.	-5.	25.	-20.	-15.	8.	-10.	-15.
421530	59.4106	154.2867	7.	19.	-999.	1.60	-5.	-5.	-5.	42.	-20.	56.	-5.	-10.	-15.
421531	59.4544	154.2633	7.	33.	-999.	1.24	-5.	-5.	-5.	44.	-20.	-15.	-5.	-10.	-15.
421532	59.4669	154.1861	7.	27.	-999.	1.96	-5.	-5.	-5.	29.	-20.	-15.	-5.	-10.	-15.
421534	59.4694	153.9892	7.	16.	-999.	2.64	-5.	-5.	-5.	40.	-20.	-15.	-5.	-10.	-15.
421535	59.4561	153.9125	7.	21.	-999.	1.09	-5.	-5.	-5.	34.	-20.	20.	-5.	11.	-15.
421537	59.4253	153.9217	7.	65.	-999.	1.48	-5.	-5.	-5.	47.	-20.	30.	-5.	-10.	-15.
421539	59.3297	153.5228	8.	120.	-999.	.88	-5.	-5.	-5.	22.	-20.	24.	-5.	-10.	-15.
421543	59.4006	153.4361	7.	558.	-999.	1.10	-5.	-5.	-5.	55.	-20.	-15.	-5.	-10.	-15.
421547	59.5581	153.8144	7.	93.	-999.	3.17	-5.	-5.	-5.	48.	-20.	-15.	-5.	-10.	-15.
421548	59.6333	153.5564	7.	22.	-999.	1.48	-5.	5.	5.	40.	-20.	62.	-5.	-10.	-15.
421542	59.6778	153.3314	7.	85.	-999.	1.01	-5.	-5.	-5.	38.	-20.	-15.	-5.	-10.	-15.
421564	59.7189	153.2528	7.	65.	-999.	1.17	-5.	-5.	-5.	59.	-20.	18.	-5.	-10.	-15.
421565	59.7417	153.1797	7.	2.	-999.	.41	-5.	-5.	-5.	44.	-20.	72.	7.	-10.	-15.
421566	59.7606	153.1394	7.	3.	-999.	.99	-5.	-5.	-5.	22.	-20.	26.	-5.	-10.	-15.
421568	59.7225	153.0339	7.	11.	-999.	1.83	-5.	-5.	-5.	28.	-20.	50.	-5.	40.	-15.
421575	59.6439	153.5144	7.	9.	-999.	1.20	-5.	-5.	-5.	42.	-20.	23.	5.	-10.	-15.
421579	59.4092	153.9561	7.	57.	-999.	1.78	-5.	-5.	-5.	15.	-20.	37.	8.	-10.	-15.
421581	59.3839	154.0192	7.	82.	-999.	3.42	-5.	-5.	-5.	34.	-20.	-15.	5.	-10.	-15.
421582	59.3431	154.0097	7.	119.	-999.	.93	-5.	-5.	-5.	50.	-20.	50.	-5.	-10.	-15.
421583	59.3017	154.1283	7.	80.	-999.	2.18	-5.	-5.	-5.	15.	-20.	-15.	-5.	-10.	-15.
421588	59.3344	154.2592	7.	20.	-999.	2.04	-5.	-5.	-5.	29.	-20.	33.	-5.	-10.	-15.
421590	59.3308	154.4206	7.	19.	-999.	2.18	-5.	-5.	-5.	35.	-20.	20.	-5.	-10.	-15.
421593	59.3275	154.6797	7.	21.	-999.	2.81	-5.	-5.	-5.	17.	-20.	21.	-5.	-10.	-15.
421594	59.3675	154.7122	7.	39.	-999.	.79	-5.	-5.	-5.	29.	-20.	24.	-5.	-10.	-15.
421597	59.4081	154.8414	8.	59.	-999.	1.42	-5.	-5.	-5.	20.	-20.	26.	-5.	-10.	-15.
421598	59.4108	154.9478	7.	36.	-999.	1.05	-5.	-5.	-5.	17.	-20.	-15.	11.	-10.	-15.
421599	59.4053	155.0136	7.	56.	-999.	.79	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421600	59.4053	155.1067	7.	48.	-999.	.25	-5.	-5.	-5.	14.	-20.	-15.	-5.	-10.	-15.
421601	59.4111	155.1833	7.	65.	-999.	1.24	-5.	-5.	-5.	23.	-20.	30.	-5.	-10.	-15.
421602	59.4050	155.2664	7.	115.	-999.	.94	-5.	-5.	-5.	25.	-20.	-15.	-5.	-10.	-15.
421605	59.3242	155.3494	7.	30.	-999.	.69	-5.	-5.	-5.	29.	-20.	-15.	-5.	-10.	-15.
421607	59.3147	155.5244	7.	25.	-999.	1.54	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421608	59.3092	155.5781	7.	58.	-999.	1.07	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421609	59.3044	155.7039	7.	23.	-999.	1.09	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421610	59.3078	155.8000	7.	9.	-999.	.91	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.

ILLIAPPA CREEK SEDIMENTS

PG. TWO - SAMPLE

4

SAMPLE NO.	PF PPM	SI PPM	AL PPM	AU PPM	SA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HF PPM	K PPM	LA PPM
421500	-999.	-999.	34550.	-0.	-1042.	14940.	-41.	1016.	-5.	-72.	-10.5	-7.	-2.3	34200.	-7.9	-13710.	-34.
421510	-1.	23.	74370.	-0.	617.	29930.	34.	676.	6.8	-12.	-2.7	4.	1.2	32060.	3.5	9540.	13.
421511	-1.	15.	63130.	-0.	621.	15490.	34.	1277.	-1.	-14.	-2.4	6.	1.2	20620.	5.9	14780.	11.
421512	-1.	19.	82960.	-0.	374.	33070.	20.	520.	11.8	29.	-2.0	3.	.9	43310.	3.3	9061.	-4.
421513	-999.	-999.	25090.	-1.	-1856.	-10610.	-100.	1465.	-9.	-171.	-22.3	-13.	-5.5	-14910.	-18.0	-26980.	-111.
421514	-1.	23.	7670.	-0.	493.	31570.	35.	590.	6.9	20.	4.6	4.	1.1	28550.	3.6	7051.	-4.
421515	-1.	27.	79920.	-0.	559.	37160.	19.	564.	13.4	110.	-2.3	3.	1.1	37860.	2.4	-5481.	10.
421517	-1.	26.	86110.	-0.	485.	23060.	37.	828.	11.7	38.	6.7	3.	1.1	32090.	3.9	15440.	16.
421518	-1.	72.	85430.	-0.	450.	38900.	19.	380.	11.2	25.	-2.7	3.	1.0	31630.	2.9	-4848.	10.
421519	-1.	7.	42090.	-0.	-359.	13570.	30.	696.	-1.	-21.	-3.3	4.	-6.	12380.	-2.3	-5079.	-9.
421521	-999.	-999.	75750.	-0.	-1002.	-8589.	-39.	-514.	-4.	-66.	-8.9	-8.	-2.2	20710.	-7.3	-15790.	-45.
421524	-1.	31.	82790.	-0.	334.	35150.	31.	-180.	10.4	41.	-2.4	4.	1.4	55650.	6.7	-6456.	16.
421525	-999.	-999.	61760.	-0.	-690.	23270.	-22.	821.	12.0	157.	-6.3	4.	-1.2	29460.	-4.6	12790.	-17.
421526	-1.	34.	65520.	-0.	725.	18760.	40.	1363.	4.5	-14.	-2.4	7.	1.1	30970.	6.2	17290.	16.
421527	-1.	34.	69430.	-0.	788.	20210.	37.	1347.	-2.5	-13.	2.0	6.	1.3	26660.	6.0	17380.	22.
421530	-1.	5.	67710.	-0.	542.	16380.	35.	625.	15.7	128.	-3.0	4.	1.2	47120.	3.9	-5100.	-7.
421531	-1.	15.	60190.	-0.	549.	31050.	33.	541.	7.4	-14.	-2.5	4.	1.2	42810.	4.1	6593.	11.
421532	-1.	32.	67340.	-0.	613.	18990.	35.	1325.	6.2	-12.	-2.0	5.	.8	24060.	5.0	18170.	11.
421534	-1.	18.	79070.	-0.	446.	28070.	34.	957.	7.0	-17.	-2.8	4.	1.3	28490.	-1.8	8179.	-8.
421535	-1.	9.	57010.	-0.	553.	21970.	22.	896.	3.8	-22.	-3.4	4.	1.2	34430.	4.6	8274.	-10.
421536	-1.	30.	79300.	-0.	343.	41090.	33.	388.	15.5	56.	-2.2	3.	.8	45370.	3.2	-4845.	13.
421539	-1.	27.	76820.	-0.	348.	43020.	17.	449.	15.4	47.	-1.9	3.	.9	45390.	2.5	8146.	8.
421543	-1.	22.	78810.	-0.	504.	37120.	37.	1073.	10.2	-10.	-1.6	4.	1.0	31900.	4.1	9089.	11.
421547	-1.	70.	73740.	-0.	741.	20450.	46.	555.	8.7	42.	-3.1	5.	1.2	26150.	-2.1	15740.	16.
421548	-1.	12.	64010.	-0.	490.	19500.	28.	770.	10.6	138.	-2.4	4.	.7	29980.	3.3	11100.	-7.
421549	-1.	35.	78770.	-0.	481.	20510.	19.	200.	12.8	37.	-7.6	3.	1.1	60160.	4.1	7850.	10.
421554	-1.	44.	89390.	-0.	455.	17350.	24.	-147.	13.0	33.	-2.4	4.	1.1	45300.	3.2	10280.	-6.
421565	-1.	3.	16130.	-0.	-793.	-4325.	-27.	2951.	18.4	114.	-7.0	-6.	-1.6	20700.	-5.3	-10840.	-27.
421567	-1.	9.	40140.	-0.	-398.	11780.	-23.	827.	-2.	-42.	-6.0	3.	-1.3	13390.	-4.6	6971.	-21.
421568	-1.	28.	59150.	-0.	806.	15290.	32.	1357.	6.9	62.	-3.5	5.	1.0	17000.	4.6	21890.	-12.
421575	-1.	16.	61120.	-0.	469.	30330.	26.	559.	7.2	30.	-7.6	3.	1.1	33550.	3.8	6823.	-6.
421579	-1.	24.	72310.	-0.	-205.	41730.	22.	262.	19.0	-15.	-2.6	3.	.9	68240.	3.7	-5112.	8.
421581	-1.	40.	68670.	-0.	963.	20500.	40.	1378.	-4.	-15.	-2.4	7.	1.3	23990.	6.9	20590.	18.
421582	-1.	6.	51610.	-0.	-393.	26070.	33.	1050.	18.2	75.	-3.5	3.	-7.	22180.	-2.5	-8424.	-11.
421583	-1.	42.	67260.	-0.	843.	14580.	39.	1443.	-3.3	-18.	-2.9	6.	1.1	19830.	5.4	20030.	-9.
421588	-1.	27.	64820.	-0.	784.	16990.	36.	1351.	-1.	-24.	-3.5	6.	-7.	20080.	4.6	18030.	-12.
421590	-1.	30.	65090.	-0.	834.	18020.	39.	1461.	3.1	-14.	-2.7	6.	1.2	23650.	5.5	17940.	14.
421593	-1.	15.	72480.	-0.	631.	21220.	29.	502.	9.1	47.	-2.5	3.	.8	24500.	3.6	11410.	13.
421594	-1.	5.	34530.	-0.	-291.	15100.	-17.	846.	-1.	-31.	-4.6	3.	-9.	15120.	-3.4	-5201.	-16.
421597	-1.	15.	51080.	-0.	482.	16880.	34.	691.	-1.9	38.	-2.7	5.	.8	24720.	3.1	10820.	14.
421598	-1.	8.	43060.	-0.	-517.	-3082.	-19.	612.	-2.	-34.	-4.9	6.	-1.1	19190.	-1.9	-7665.	-17.
421599	-999.	-999.	21990.	-0.	-968.	-6172.	-60.	948.	-15.1	-71.	-9.9	-7.	-2.3	20780.	-7.6	-11810.	-42.
421600	-1.	2.	7961.	-0.	-470.	-2923.	-32.	430.	-1.6	-58.	-8.2	-4.	-1.9	-6442.	-6.3	-4591.	-33.
421601	-1.	5.	37240.	-0.	535.	17720.	-14.	409.	-1.	-26.	-4.1	2.	1.4	37950.	-2.8	-6451.	-13.
421602	-1.	5.	35140.	-0.	-524.	14230.	-19.	274.	-2.	-36.	-5.3	-4.	-1.1	28750.	-3.9	-7456.	-17.
421605	-1.	2.	21810.	-0.	-341.	14840.	-19.	578.	-2.	-35.	-5.0	2.	-1.1	18340.	-3.8	-5402.	-19.
421607	-999.	-999.	50130.	-1.	-1593.	-8321.	-57.	-765.	-13.2	-98.	-13.7	-12.	-3.2	23610.	-11.1	-23230.	-86.
421608	-999.	-999.	37160.	-0.	-721.	-1972.	-23.	983.	-2.	-44.	-6.3	-5.	-1.4	29490.	-4.6	-13720.	-23.
421609	-999.	-999.	31920.	-2.	-2574.	-11440.	-142.	3441.	-1.3	-240.	-28.4	-18.	-7.7	-21970.	-26.1	-27770.	-175.
421610	-999.	-999.	37290.	-0.	-642.	-3498.	-27.	686.	-2.	-35.	-6.0	-4.	-1.3	38670.	-4.4	-9284.	-18.

18 TAMPA LAKE SEDIMENTS

PG. THREE - SAMPLE 4

SAMPLE NO.	LI PPM	PG PPM	PH PPM	NA PPM	PE PPM	SP PPM	SC PPM	SM PPM	SR PPM	TA PPM	IB PPM	TH PPM	TI PPM	V PPM	YS PPM	ZH PPM	U/ZH RATIO
421500	-7	-7743.	836.	11430.	-261.	-10.	4.9	-3.4	-999.	-8.	-2.	-7.8	-3396.	55.	-10.8	-335.	-999.000
421510	3	9084.	655.	25810.	-45.	-2.	12.3	3.1	-36.	-2.	-1.	3.9	2749.	38.	3.4	-18.	3.509
421511	5	-3433.	435.	26490.	-50.	-3.	9.4	4.3	-461.	-2.	-1.	5.2	1719.	35.	5.2	-59.	2.639
421512	3	9732.	942.	23650.	-42.	-2.	14.7	2.2	-372.	-1.	-1.	1.8	2080.	125.	2.3	123.	1.894
421513	-1.8	-14850.	1740.	22160.	-546.	-26.	3.5	-9.9	-999.	-20.	-13.	-18.4	-6514.	-57.	-25.6	-710.	-999.000
421514	3	7776.	686.	24690.	-47.	-2.	13.2	2.8	-780.	-2.	-1.	2.9	2948.	79.	2.8	-52.	2.304
421516	3	13430.	925.	24190.	-43.	-2.	17.4	2.6	-436.	-1.	-1.	2.1	3802.	95.	2.6	189.	2.439
421517	3	7481.	885.	27640.	-40.	3.	12.2	3.8	-406.	-1.	-1.	3.3	2750.	87.	3.0	134.	1.792
421518	3	13840.	951.	25680.	-40.	-2.	16.8	2.7	-366.	-1.	-1.	-1.5	3140.	91.	2.7	-48.	-999.000
421519	-7	-3400.	324.	15410.	-67.	-4.	7.7	3.2	-486.	-3.	-2.	-2.3	-1266.	35.	-2.9	-109.	-999.000
421521	-7	-9499.	567.	33230.	-230.	-11.	7.2	-6.0	-999.	-8.	-5.	-7.2	-3371.	-32.	-10.6	-255.	-999.000
421524	4	10370.	1742.	23180.	-49.	-3.	17.1	4.4	-473.	-1.	1.	4.1	3956.	163.	3.0	-141.	1.647
421525	-4	11790.	1906.	20970.	-133.	-7.	11.2	3.8	-999.	-5.	-3.	-4.4	-2785.	109.	-6.1	-141.	-999.000
421526	5	5707.	595.	23480.	-47.	-2.	11.7	4.9	-413.	-1.	-1.	4.5	3168.	55.	4.4	-56.	2.132
421527	6	-3362.	578.	29940.	-44.	-2.	11.3	4.8	-457.	-1.	-1.	5.2	2791.	49.	4.9	743.	2.120
421528	3	6441.	556.	16710.	-71.	-3.	12.4	2.7	-379.	-3.	-1.	2.8	4405.	134.	3.2	-85.	1.751
421531	3	8244.	783.	23620.	-55.	-2.	14.0	2.7	-421.	-2.	-1.	-1.5	3165.	99.	-1.8	-61.	-999.000
421532	5	5344.	471.	28200.	-46.	-2.	9.3	-4.4	-357.	-2.	-1.	2.8	1713.	49.	4.7	-51.	1.429
421534	7	8164.	720.	24590.	-63.	-3.	12.4	-3.3	-377.	-2.	-1.	-1.9	2768.	96.	-2.6	-80.	-999.000
421535	-7	6998.	497.	19540.	-83.	-3.	9.8	2.2	-453.	-4.	-2.	-2.3	1994.	93.	-3.1	-114.	-999.000
421536	3	16610.	850.	24770.	-44.	-2.	22.3	2.7	-369.	-2.	-1.	1.5	7812.	119.	3.4	-51.	1.013
421539	3	12740.	852.	25170.	-40.	-2.	18.4	2.3	-313.	-1.	-1.	2.2	3363.	145.	3.2	112.	2.500
421543	3	8075.	634.	27810.	-39.	-2.	11.9	3.2	-315.	-2.	1.	3.1	2425.	96.	2.6	-47.	2.817
421547	4	10860.	598.	24770.	-65.	-3.	15.2	-3.3	-367.	-2.	-2.	4.7	2976.	106.	-2.3	-93.	1.484
421548	3	13060.	592.	19830.	-59.	-2.	11.3	2.1	-380.	-2.	-1.	2.7	2638.	73.	3.1	103.	1.825
421562	7	10430.	688.	17730.	-58.	-2.	18.3	2.3	-352.	-2.	-1.	-1.5	3330.	152.	2.2	-57.	-999.000
421564	7	11710.	562.	21810.	-50.	-2.	17.5	-1.7	-340.	-2.	-1.	2.7	3774.	155.	2.5	-65.	2.309
421565	-5	-5129.	877.	4115.	-191.	-7.	3.8	-2.0	-999.	-8.	-4.	-5.0	-2751.	42.	-6.4	-266.	-999.000
421566	-4	-3677.	311.	14620.	-161.	-6.	7.1	-1.6	-529.	-6.	-3.	-4.5	1885.	55.	-5.5	-219.	-999.000
421568	6	-4207.	484.	26020.	-87.	-3.	8.7	3.0	-558.	-4.	-2.	3.8	-1397.	53.	-2.7	-60.	2.075
421571	3	12190.	807.	24290.	-55.	-2.	14.4	-1.9	-364.	-2.	-1.	-1.7	3139.	89.	-1.9	-72.	-999.000
421579	7	16660.	1343.	22050.	-53.	-2.	22.2	-2.4	-389.	-2.	-1.	-1.6	4791.	220.	-1.8	-67.	-999.000
421581	5	5473.	531.	30690.	-54.	-2.	10.7	3.7	-440.	-2.	2.	3.9	2416.	42.	3.7	-64.	1.140
421582	-2	8272.	1125.	19340.	-83.	-3.	8.6	1.9	-679.	-4.	-2.	-2.3	-1672.	73.	-3.0	-109.	-999.000
421583	4	3635.	509.	29770.	-69.	-3.	10.4	-3.7	-371.	-3.	-1.	-2.0	2137.	36.	3.9	-88.	-999.000
421588	-3	-3315.	471.	27600.	-86.	-3.	9.9	-3.6	-428.	-3.	-2.	-2.5	2456.	54.	6.3	-119.	-999.000
421590	5	-2949.	569.	30020.	-51.	-2.	10.8	5.2	-374.	-2.	-1.	3.4	2911.	60.	4.2	-59.	1.560
421593	3	6347.	653.	21170.	-59.	-2.	12.3	2.7	-418.	-3.	-1.	2.9	3672.	89.	-2.1	-63.	1.032
421594	-7	-2986.	365.	17520.	-170.	-4.	6.1	-1.2	-438.	-5.	-2.	-3.3	-1105.	59.	-4.1	-164.	-999.000
421597	4	3992.	596.	18420.	-61.	-2.	10.0	3.1	-402.	-3.	-1.	2.6	2070.	60.	3.5	-67.	1.532
421598	-3	-4604.	374.	14250.	-144.	-5.	7.7	2.4	-683.	-6.	-3.	-3.7	-1817.	63.	-4.5	-123.	-999.000
421599	-7	-6853.	559.	6190.	-276.	-9.	3.9	-2.9	-979.	-11.	-5.	-7.6	-3223.	59.	-9.1	-297.	-999.000
421600	-5	-3163.	128.	2153.	-248.	-7.	2.0	-2.2	-512.	-9.	-5.	-6.3	-1427.	-10.	-7.6	-298.	-999.000
421601	-2	-3389.	670.	11320.	-91.	-4.	7.5	2.1	-530.	-5.	-2.	-2.8	-1350.	60.	-3.6	-124.	-999.000
421602	-7	-4240.	341.	10700.	-137.	-5.	6.8	2.2	-670.	7.	-3.	-3.8	-1780.	54.	-4.6	-199.	-999.000
421605	-3	4111.	601.	6717.	-144.	-5.	5.2	-1.3	-518.	-5.	-3.	-3.8	-1306.	-12.	-4.6	-181.	-999.000
421607	-1.0	-13010.	1147.	24590.	-388.	-17.	7.2	-6.0	-974.	-14.	-8.	-10.7	-5568.	-50.	-14.8	-577.	-999.000
421608	-4	-5986.	1830.	11060.	-171.	-6.	7	-1.7	-999.	-6.	-3.	-4.6	-2773.	60.	-5.8	-220.	-999.000
421609	-7.5	-19970.	618.	28830.	-804.	-37.		-13.5	-975.	-35.	-18.	-26.4	-7638.	-81.	-38.1	-1039.	-999.000
421610	-4	-4997.	686.	10990.	-165.	-5.		-1.6	-868.	-5.	-3.	-4.7	-7213.	75.	-5.4	-219.	-999.000

ILLIANA LAKE SEDIMENTS

PG. ONE - SAMPLE 5

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	GRANITE PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	MICHEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
421611	59.3142	155.8567	7.	37.	-999.	1.37	-5.	8.	-5.	15.	-20.	-15.	-5.	-10.	-15.
421612	59.3758	155.9047	7.	36.	-999.	2.27	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421613	59.3975	155.9161	7.	43.	-999.	1.25	-5.	-5.	5.	31.	-20.	19.	-5.	-10.	-15.
421614	59.4003	155.9467	7.	48.	-999.	2.75	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421615	59.3708	155.9606	7.	22.	-999.	1.19	-5.	-5.	5.	20.	-20.	29.	6.	-10.	-15.
421616	59.3358	155.9603	7.	19.	-999.	1.26	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421617	59.2933	155.9539	7.	36.	-999.	1.18	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421618	59.2358	155.9897	7.	58.	-999.	.91	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421619	59.2072	155.9711	7.	122.	-999.	1.05	-5.	-5.	-5.	-10.	-20.	19.	-5.	-10.	-15.
421620	59.1697	155.9761	7.	15.	-999.	1.21	-5.	-5.	-5.	43.	-20.	26.	-5.	-10.	-15.
421621	59.1100	155.9572	7.	20.	-999.	1.51	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421622	59.0822	155.9653	7.	65.	-999.	1.14	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421623	59.0393	155.9842	7.	11.	-999.	1.65	-5.	-5.	-5.	44.	-20.	16.	-5.	-10.	-15.
421624	59.0278	155.9253	7.	9.	-999.	1.65	-5.	-5.	-5.	31.	-20.	-15.	7.	-10.	-15.
421629	59.0564	155.8572	7.	72.	-999.	1.03	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421631	59.1241	155.8729	7.	25.	-999.	2.00	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421632	59.1547	155.8842	7.	30.	-999.	1.20	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421633	59.1711	155.8994	7.	9.	-999.	1.02	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421634	59.2250	155.9161	7.	62.	-999.	1.25	-5.	-5.	-5.	26.	-20.	17.	8.	-10.	-15.
421635	59.2692	155.8825	7.	66.	-999.	2.17	-5.	-5.	-5.	24.	-20.	25.	-5.	-10.	-15.
421638	59.2083	155.8129	7.	21.	-999.	1.02	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421639	59.1902	155.7964	7.	21.	-999.	.88	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421640	59.1256	155.7800	7.	11.	-999.	1.84	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
421641	59.1125	155.7381	7.	4.	-999.	1.72	-5.	-5.	-5.	41.	-20.	-15.	17.	12.	-15.
421642	59.0725	155.6864	7.	8.	-999.	1.75	-5.	-5.	-5.	37.	-20.	20.	15.	-10.	-15.
421644	59.0242	155.6025	7.	37.	-999.	.42	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421645	59.0475	155.5358	7.	12.	-999.	1.17	-5.	-5.	-5.	34.	-20.	20.	-5.	-10.	-15.
421646	59.0661	155.4958	7.	20.	-999.	1.05	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421647	59.0592	155.4306	7.	19.	-999.	1.55	-5.	-5.	-5.	38.	-20.	30.	7.	-10.	-15.
421648	59.0244	155.3722	7.	32.	-999.	.57	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.
421649	59.0119	155.2914	7.	37.	-999.	2.83	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.
421650	59.0061	155.2594	7.	197.	-999.	.52	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421651	59.0306	155.1700	7.	89.	-999.	.58	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421652	59.0400	155.0972	7.	23.	-999.	1.53	-5.	-5.	-5.	10.	-20.	-15.	-5.	-10.	-15.
421653	59.0211	155.0025	7.	12.	-999.	2.36	-5.	-5.	-5.	24.	-20.	15.	11.	-10.	-15.
421654	59.0514	154.9758	7.	16.	-999.	2.22	-5.	-5.	-5.	28.	-20.	-15.	-5.	-10.	-15.
421655	59.0391	154.8992	7.	16.	-999.	.73	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421657	59.0289	154.8283	7.	18.	-999.	3.06	-5.	-5.	-5.	32.	-20.	16.	9.	-10.	-15.
421658	59.0356	154.7728	7.	16.	-999.	2.44	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
421659	59.0472	154.7375	7.	15.	-999.	2.08	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421661	59.0533	154.6358	7.	11.	-999.	1.41	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
421664	59.0375	154.4725	7.	22.	-999.	2.33	-5.	-5.	6.	27.	-20.	-15.	-5.	-10.	-15.
421666	59.0619	154.4089	7.	36.	-999.	2.47	-5.	-5.	-5.	25.	-20.	-15.	-5.	-10.	-15.
421668	59.0239	154.3158	7.	48.	-999.	1.64	-5.	-5.	-5.	20.	-20.	-15.	-5.	-10.	-15.
421669	59.0558	154.3319	7.	46.	-999.	1.04	-5.	-5.	-5.	32.	-20.	-15.	-5.	-10.	-15.
421673	59.1397	154.5264	7.	38.	-999.	1.44	-5.	-5.	-5.	31.	-20.	22.	-5.	-10.	-15.
421674	59.1439	154.5847	7.	18.	-999.	2.35	-5.	-5.	-5.	16.	-20.	-15.	10.	-10.	-15.
421675	59.1292	154.6103	7.	5.	-999.	1.40	-5.	-5.	-5.	48.	-20.	-15.	11.	-10.	-15.
421677	59.1064	154.7008	7.	18.	-999.	2.30	-5.	-5.	-5.	20.	-20.	-15.	-5.	-10.	-15.
421682	59.2250	154.8619	7.	20.	-999.	1.61	-5.	-5.	-5.	36.	-20.	-15.	-5.	-10.	-15.

101A-11A LAMP SEDIMENTS

PG. TWO - SAMPLE

SAMPLE NO.	HI PPM	LI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CS PPM	DV PPM	EU PPM	FE PPM	HF PPM	LA PPM	LA PPM	
421611	-1.	4.	47110.	-0.	684.	13230.	27.	928.	8.7	-21.	-3.4	5.	-7	25800.	-2.4	9012.	-12.
421612	-000.	-000.	53940.	-0.	679.	23360.	40.	564.	9.5	44.	-3.2	5.	1.4	57530.	12.7	15640.	32.
421613	-1.	3.	41000.	-0.	314.	12140.	28.	384.	-1.4	42.	-3.0	4.	1.0	76750.	3.5	8672.	13.
421614	-000.	-000.	56820.	-0.	726.	30110.	97.	-190.	5.9	106.	-2.8	6.	1.9	60700.	20.4	10750.	35.
421615	1.	11.	58860.	-0.	621.	14950.	30.	-176.	3.9	-15.	-2.5	3.	1.2	38250.	2.7	13500.	-7.
421616	-000.	-000.	69900.	-0.	1027.	14630.	-9.	-164.	-1.1	-17.	-2.5	2.	1.1	11150.	-2.6	16970.	-10.
421617	-000.	-000.	28550.	-0.	-534.	-3097.	-18.	-221.	-1.2	-29.	-4.4	-4.	-1.0	35630.	-3.4	-0400.	-16.
421618	-000.	-000.	75630.	-0.	504.	31740.	23.	-145.	5.3	41.	-1.7	3.	1.1	28870.	3.9	9491.	10.
421619	1.	29.	65150.	-0.	574.	27140.	25.	427.	9.2	-14.	-2.3	3.	.9	18810.	3.0	-5739.	11.
421620	-1.	9.	75560.	-0.	713.	14260.	36.	433.	7.5	-24.	-3.7	5.	1.3	22510.	-2.6	14230.	14.
421621	-000.	-000.	40170.	-0.	-787.	-5417.	-29.	1786.	-3	-53.	-7.4	-6.	-1.7	32160.	-5.7	-12110.	-27.
421622	-000.	-000.	18760.	-0.	-1040.	-5598.	-35.	838.	-3	-58.	-8.5	-7.	-1.9	20270.	-6.6	-16590.	-33.
421623	-1.	25.	77230.	-0.	372.	21490.	30.	470.	9.2	33.	-2.1	4.	1.3	27620.	5.5	14040.	12.
421624	-1.	15.	58050.	-0.	681.	16530.	27.	1006.	-1.2	-22.	-3.4	5.	.8	15380.	3.8	15440.	-11.
421625	-000.	-000.	37480.	-0.	-826.	-4442.	-29.	1160.	-2	-52.	-7.1	-6.	-1.6	27500.	-5.5	-8930.	-23.
421631	-000.	-000.	72000.	-0.	473.	31260.	26.	325.	15.3	51.	-2.6	3.	1.1	49440.	17.5	8440.	18.
421632	-000.	-000.	72170.	-0.	564.	33080.	39.	178.	7.6	42.	-3.1	4.	1.4	31980.	6.4	10840.	13.
421633	-000.	-000.	35440.	-0.	-1079.	-7009.	-46.	2333.	-4	-82.	-11.6	-6.	-2.6	42540.	-8.8	-14030.	-41.
421634	-1.	7.	51600.	-0.	-322.	15140.	25.	484.	-3.7	-20.	-3.1	5.	.9	28820.	3.2	9454.	-8.
421635	1.	33.	63770.	-0.	680.	15590.	37.	1155.	-3.2	-19.	-3.0	5.	1.1	19320.	6.2	20420.	-9.
421636	-000.	-000.	57630.	-0.	499.	23100.	27.	280.	8.6	32.	-2.5	4.	.9	26190.	4.3	8714.	12.
421639	-000.	-000.	34790.	-0.	-542.	-2622.	-20.	824.	-2	-36.	-5.1	-4.	-1.1	25090.	-4.0	-2597.	-14.
421640	-1.	12.	78160.	-0.	657.	15180.	26.	726.	7.6	-18.	-3.0	4.	1.5	24100.	3.9	14370.	12.
421641	-1.	10.	76540.	-0.	512.	26220.	34.	-127.	9.9	57.	-2.2	4.	1.2	32490.	7.3	9124.	16.
421642	1.	14.	75300.	-0.	735.	16870.	38.	824.	4.7	-20.	-3.2	5.	2.0	22800.	8.0	13630.	17.
421644	-000.	-000.	14300.	-0.	-491.	-2824.	-19.	551.	-2	-34.	-4.7	-4.	-1.1	20280.	-3.6	-5423.	-14.
421645	-1.	15.	75860.	-0.	484.	25960.	23.	212.	11.2	31.	-1.9	3.	1.0	22760.	3.8	8982.	9.
421646	-000.	-000.	38820.	-0.	-470.	15270.	-21.	633.	-4.2	-39.	-5.5	4.	-1.2	23410.	-4.1	-9987.	-19.
421647	-1.	13.	65170.	-0.	630.	21790.	37.	627.	5.8	-18.	-2.9	5.	1.3	30480.	4.3	8704.	11.
421648	-1.	4.	71290.	-0.	-508.	12880.	-18.	756.	-2	-33.	-4.6	-4.	-1.1	13970.	-3.6	-6279.	-16.
421649	-1.	5.	89910.	-0.	-939.	35070.	-37.	1092.	17.9	-67.	-10.5	9.	2.0	48480.	-7.7	-15070.	-34.
421650	-000.	-000.	16770.	-0.	-595.	16450.	64.	519.	12.2	-31.	-4.8	-3.	.9	227200.	-3.3	-14490.	-13.
421651	-000.	-000.	25670.	-0.	-552.	16440.	-20.	1458.	-1	-37.	-5.6	-4.	-1.2	108100.	-4.1	-9694.	-16.
421652	1.	21.	54090.	-0.	687.	16070.	-13.	992.	-1	-24.	-3.6	6.	-7	22210.	-2.8	14570.	-10.
421653	1.	40.	71410.	-0.	915.	14450.	39.	1534.	4.2	-13.	-2.1	6.	1.3	20780.	6.6	23920.	15.
421654	1.	48.	64290.	-0.	867.	15180.	30.	1406.	-2.6	-25.	-3.7	6.	-8	19460.	-2.7	20480.	-11.
421656	-000.	-000.	26310.	-0.	-363.	13370.	-13.	709.	8.9	-25.	-3.9	3.	-7	122700.	-2.7	-7000.	-10.
421657	-1.	33.	65140.	-0.	954.	18330.	34.	1306.	-3.5	-18.	-2.8	6.	1.3	40740.	6.4	20110.	18.
421658	-1.	32.	60350.	-0.	708.	15330.	31.	1486.	4.8	-17.	-2.7	7.	.9	18100.	4.9	19310.	19.
421659	-000.	-000.	48890.	-0.	596.	16560.	-20.	921.	-3.2	-37.	-5.4	5.	-1.1	44510.	-4.0	9420.	-18.
421661	-000.	-000.	70600.	-0.	447.	41150.	29.	469.	20.9	64.	-2.7	5.	1.1	67990.	4.5	-5521.	13.
421664	1.	18.	67270.	-0.	887.	13660.	29.	1565.	-999.0	-17.	-3.0	7.	1.0	19030.	5.9	20690.	16.
421666	-1.	32.	69250.	-0.	616.	22520.	40.	1148.	-3.3	-16.	-2.7	7.	1.1	27930.	6.3	15930.	12.
421668	1.	38.	64760.	-0.	612.	20310.	41.	1070.	7.9	-26.	-3.9	6.	-8	24920.	4.5	10840.	-12.
421669	-1.	11.	52260.	-0.	-316.	23300.	25.	730.	5.1	-21.	-3.3	3.	.8	26320.	-2.3	-5681.	-9.
421673	1.	36.	72430.	-0.	584.	26590.	27.	915.	9.4	-16.	-2.9	5.	1.0	34150.	6.0	12130.	-7.
421674	2.	31.	63910.	-0.	932.	14710.	36.	1418.	-5	-16.	-2.6	7.	1.1	17940.	6.5	18690.	18.
421675	-1.	29.	66530.	-0.	-333.	25420.	28.	836.	6.8	-19.	-3.2	6.	1.2	35160.	4.1	9854.	18.
421677	-1.	43.	71210.	-0.	774.	17570.	35.	1582.	5.9	-12.	-2.0	6.	1.1	21650.	6.9	23590.	10.
421682	-1.	15.	74940.	-0.	573.	21230.	45.	574.	5.9	37.	-2.8	5.	1.1	41580.	4.6	9016.	13.

ILLIANA LAKE SEDIMENTS

PG. 1011 - SAMPLE

SAMPLE NO.	TO PPM	PG PPM	MA PPM	HA PPM	BE PPM	SB PPM	SC PPM	SP PPM	SO PPM	TA PPM	TP PPM	TH PPM	TI PPM	V PPM	FE PPM	ZP PPM	U/TH RATIO
421611	.3	-3400.	475.	17400.	-93.	-3.	9.3	2.8	-474.	-4.	-2.	3.8	2800.	85.	-2.4	-97.	2.776
421612	.4	7174.	1300.	21400.	-71.	-3.	18.1	-0.9	-602.	-2.	-2.	3.7	8626.	110.	-2.4	-84.	1.729
421613	-.2	2572.	455.	11210.	-70.	-3.	6.7	2.5	-307.	-3.	-2.	2.6	2670.	85.	-2.5	-34.	2.079
421614	.5	10160.	1564.	20020.	-61.	-3.	18.4	5.7	-556.	-2.	1.	5.5	10250.	170.	5.0	-19.	2.600
421615	.2	-3125.	440.	22270.	-66.	-2.	8.1	2.0	-605.	-3.	-1.	3.2	2081.	79.	-2.1	-67.	2.606
421616	-.2	-2965.	248.	24470.	-72.	-2.	4.9	1.5	-350.	-3.	-1.	3.2	3571.	29.	-2.3	-91.	2.538
421617	-.3	-6429.	1836.	4095.	-121.	-4.	6.9	2.9	-854.	-4.	-2.	-3.1	-2178.	45.	-4.0	-94.	-999.000
421618	.2	7227.	574.	26920.	-34.	-2.	12.7	1.9	-336.	-1.	-1.	2.9	4518.	80.	2.0	-89.	1.185
421619	.2	5243.	686.	23640.	-54.	-2.	10.3	-2.0	-434.	-2.	-1.	-1.5	2191.	67.	2.4	-64.	-999.000
421620	-.2	6150.	650.	19480.	-85.	-3.	14.6	-3.3	-436.	-3.	-2.	-2.5	4671.	113.	-3.1	-116.	-999.000
421621	-.5	-6384.	864.	16280.	-203.	-7.	5.5	-2.1	-999.	-8.	-4.	-5.7	-2732.	-25.	-6.8	-259.	-999.000
421622	-.6	-6310.	444.	6721.	-244.	-8.	2.9	-2.5	-399.	-9.	-5.	-6.3	-3400.	-24.	-7.4	-330.	-999.000
421623	.3	8410.	714.	23630.	-44.	-2.	14.2	2.5	-307.	-7.	-1.	2.5	3268.	113.	2.4	-49.	1.515
421624	.4	1111.	462.	23700.	-82.	-3.	11.0	3.5	-403.	-4.	-2.	4.2	2857.	51.	-2.7	-104.	2.545
421625	-.5	-5724.	294.	17370.	-210.	-6.	4.9	-1.8	-939.	-8.	-4.	-5.6	-2582.	-20.	-6.3	-277.	-999.000
421626	.4	12110.	1381.	21990.	-55.	-2.	20.2	2.5	-484.	-2.	-1.	2.4	8564.	168.	-1.8	-75.	1.449
421627	.4	9829.	800.	24980.	-71.	-3.	14.6	-3.1	-401.	-3.	-2.	-2.0	4626.	110.	-2.3	-93.	-999.000
421628	-.8	-8104.	692.	12770.	-322.	-10.	5.2	-3.1	-739.	-12.	-7.	-8.8	-3424.	57.	-10.5	-395.	-999.000
421629	.1	-3244.	652.	15490.	-77.	-3.	8.9	2.1	-508.	-3.	-2.	-2.1	2175.	70.	-2.5	-100.	-999.000
421630	.5	3564.	506.	27130.	-71.	-3.	8.8	-4.6	-481.	-3.	-2.	3.5	1955.	45.	-2.2	-94.	1.613
421631	.3	7939.	715.	17390.	-57.	-2.	13.5	3.1	-374.	-2.	-1.	2.3	3771.	71.	2.6	-68.	2.257
421632	-.3	-4436.	344.	11490.	-143.	-5.	5.6	-1.3	-604.	-5.	-3.	-3.4	-1023.	51.	-4.6	-204.	-999.000
421633	.4	5100.	513.	22000.	-69.	-3.	12.5	3.2	-430.	-3.	-1.	3.1	3874.	86.	3.2	-81.	1.684
421634	.3	10250.	762.	20570.	-43.	-2.	19.3	3.3	-317.	-2.	-1.	2.8	5254.	99.	2.7	-51.	1.679
421635	.4	6554.	570.	23220.	-72.	-3.	14.1	-3.4	-370.	-3.	-2.	-2.2	4098.	80.	-2.4	-93.	-999.000
421636	-.3	-6268.	720.	3454.	-134.	-4.	3.3	-1.2	-585.	-5.	-3.	-3.6	-1543.	38.	-4.4	-178.	-999.000
421637	-.1	7402.	483.	21660.	-34.	-2.	12.3	2.0	-308.	-2.	-1.	-1.2	2927.	84.	-1.4	-53.	-999.000
421638	-.3	5549.	1851.	13480.	-145.	-5.	7.7	2.2	-822.	-6.	-3.	-4.1	2008.	58.	-4.9	-268.	-999.000
421639	.4	8932.	674.	19840.	-67.	-2.	13.6	3.2	-411.	-2.	-1.	3.2	3238.	104.	3.3	-80.	2.066
421640	-.3	-3863.	279.	7514.	-137.	-4.	4.5	-1.2	-612.	-5.	-3.	-3.6	-1663.	25.	-4.2	-186.	-999.000
421641	-.6	-8448.	1019.	26810.	-275.	-9.	17.6	4.8	-995.	-11.	-5.	-7.1	4815.	127.	-8.5	-880.	-999.000
421642	-.3	-5595.	5388.	5063.	-146.	-4.	2.7	-1.0	-999.	-4.	-3.	-3.2	-2794.	64.	-3.9	-169.	-999.000
421643	-.3	-4592.	1096.	9940.	-171.	-5.	3.8	-1.4	-917.	-5.	-3.	-4.0	-2015.	33.	-4.8	-199.	-999.000
421644	.3	-4127.	508.	23150.	-90.	-3.	10.8	2.8	-581.	-4.	-2.	-2.6	4323.	63.	-2.0	-100.	-999.000
421645	.5	-3056.	490.	32340.	-47.	-2.	9.2	4.6	-379.	-2.	-1.	4.7	2403.	39.	5.2	-51.	1.779
421646	.5	6156.	476.	28250.	-97.	-3.	9.1	-4.1	-442.	-4.	-2.	-2.6	2290.	48.	-3.2	-119.	-999.000
421647	-.2	-3128.	992.	7855.	-113.	-3.	3.8	-9	-585.	-3.	-2.	-2.7	-1449.	108.	-3.2	-121.	-999.000
421648	.6	-3657.	617.	24570.	-65.	-2.	10.4	4.1	-507.	-3.	-1.	4.4	2943.	40.	5.1	-95.	1.439
421649	.4	-3031.	444.	27850.	-67.	-2.	7.9	3.6	-459.	-3.	-1.	4.3	2617.	37.	4.1	-81.	1.764
421650	-.3	-3680.	739.	17400.	-149.	-5.	7.8	-1.3	-593.	-5.	-3.	-4.0	2531.	86.	-4.7	-195.	-999.000
421651	.5	20820.	1291.	22460.	-51.	-2.	35.5	3.7	-438.	-2.	-1.	-1.6	5255.	169.	3.3	-75.	-999.000
421652	.6	3158.	449.	30740.	-74.	-2.	9.1	5.1	-379.	-3.	-2.	3.5	1993.	36.	5.4	-50.	1.502
421653	.5	5483.	602.	29340.	-60.	-2.	13.0	4.4	-473.	-2.	-1.	4.3	2955.	65.	4.5	-70.	1.767
421654	.6	5257.	800.	25100.	-99.	-3.	11.1	-3.3	-508.	-4.	-2.	-2.8	2533.	70.	-2.9	-128.	-999.000
421655	-.2	5945.	490.	20570.	-78.	-3.	9.4	2.2	-472.	-4.	-2.	-2.3	1933.	80.	-2.7	-62.	-999.000
421656	.3	8209.	773.	28750.	-83.	-2.	16.2	-4.9	-385.	-2.	-1.	-1.9	3454.	102.	3.9	-83.	-999.000
421657	.5	-3324.	453.	29580.	-67.	-2.	8.9	5.0	-420.	-3.	-1.	6.0	2689.	36.	5.0	-82.	2.551
421658	.3	8036.	715.	24470.	-70.	-3.	14.9	-3.6	-536.	-3.	-2.	-2.0	4205.	121.	4.0	-100.	-999.000
421659	.5	4427.	552.	32830.	-44.	-2.	10.3	-3.6	-342.	-1.	-1.	3.8	1982.	55.	4.4	-57.	1.753
421660	.1	7447.	740.	21800.	-80.	-2.	17.1	3.0	-477.	-3.	-1.	3.9	4584.	123.	3.4	-73.	2.421

PL. ONE - SAMPLE: 6

COPPER PPM	LEAD PPM	IRON PPM	PH	CMO. PPM	SCINT. PPM	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COBALT PPM	NICKEL PPM	LEAD PPM	IRON PPM	LONGSTERN PPM
621707	59.2772	154.6725	7.	5.	-999.	11.45	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621708	59.2875	154.7544	7.	30.	-999.	1.35	-5.	-5.	-5.	32.	-20.	-15.	6.	-10.
621709	59.3053	154.8508	7.	58.	-999.	3.33	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621710	59.2447	154.5139	7.	31.	-999.	.90	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621711	59.1244	154.5357	7.	31.	-999.	1.15	-5.	-5.	-5.	48.	-20.	-17.	-5.	-10.
621712	59.1897	154.4655	7.	36.	-999.	2.05	-5.	-5.	-5.	25.	-20.	-15.	6.	-10.
621713	59.6814	154.2387	7.	44.	-999.	1.12	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621714	59.7200	154.4711	7.	40.	-999.	1.22	-5.	-5.	-5.	16.	-20.	-15.	-5.	-10.
621715	59.6089	153.8109	7.	72.	-999.	1.00	-5.	-5.	-5.	20.	-20.	-15.	-5.	-10.
621716	59.0156	153.7424	7.	47.	-999.	.62	-5.	-5.	-5.	17.	-20.	29.	5.	-10.
621717	59.0619	153.7764	7.	64.	-999.	.83	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621718	59.1108	154.1933	7.	80.	-999.	1.24	-5.	-5.	-5.	30.	-20.	-15.	-5.	-10.
621719	59.1467	154.2203	7.	74.	-999.	1.42	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621719	59.2078	154.1553	7.	62.	-999.	1.35	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621719	59.2264	154.1633	7.	99.	-999.	2.20	-5.	-5.	-5.	24.	-20.	-15.	6.	-10.
621720	59.2378	154.1384	7.	148.	-999.	1.85	-5.	-5.	-5.	27.	-20.	-15.	9.	-10.
621722	59.2654	154.1825	7.	92.	-999.	2.10	-5.	-5.	-5.	32.	-20.	-15.	-5.	-10.
621723	59.2718	154.2400	7.	29.	-999.	2.12	-5.	-5.	-5.	19.	-20.	-23.	7.	-10.
621726	59.2778	154.3719	7.	74.	-999.	2.35	-5.	-5.	-5.	20.	-20.	-15.	-5.	-10.
621727	59.2953	154.4984	7.	16.	-999.	2.21	-5.	-5.	-5.	16.	-20.	-15.	-5.	-10.
621728	59.3118	154.9428	7.	5.	-999.	1.62	-5.	-5.	-5.	24.	-20.	-15.	5.	-10.
621729	59.3469	155.0011	7.	21.	-999.	1.77	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621732	59.1742	154.9583	7.	22.	-999.	1.50	-5.	-5.	-5.	41.	-20.	-15.	-5.	-10.
621733	59.1375	155.1431	7.	40.	-999.	.90	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.
621739	59.0847	155.2953	7.	25.	-999.	1.66	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621741	59.1403	155.4467	7.	8.	-999.	1.39	-5.	-5.	-5.	22.	-20.	-15.	-5.	-10.
621742	59.1406	155.6219	7.	22.	-999.	1.31	-5.	-5.	-5.	22.	-20.	-15.	-5.	-10.
621744	59.1406	155.6828	7.	14.	-999.	.97	-5.	-5.	-5.	16.	-20.	-15.	-5.	-10.
621745	59.1767	155.6883	7.	28.	-999.	1.34	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.
621746	59.1861	155.6589	7.	35.	-999.	.72	-5.	-5.	-5.	22.	-20.	-15.	-5.	-10.
621747	59.1931	155.5161	7.	31.	-999.	.45	-5.	-5.	-5.	11.	-20.	-15.	-5.	-10.
621748	59.2083	155.4867	7.	89.	-999.	.52	-5.	-5.	-5.	22.	-20.	-15.	5.	-10.
621749	59.2384	155.4414	7.	10.	-999.	1.47	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621750	59.2508	155.4017	7.	14.	-999.	1.21	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.
621751	59.2286	155.3125	7.	53.	-999.	.89	-5.	-5.	-5.	10.	-20.	-15.	-5.	-10.
621752	59.2008	155.2003	7.	38.	-999.	1.47	-5.	-5.	-5.	23.	-20.	-15.	-5.	-10.
621754	59.2419	155.1217	7.	13.	-999.	1.42	-5.	-5.	-5.	15.	-20.	-15.	-5.	-10.
621755	59.2425	155.0642	7.	26.	-999.	2.33	-5.	-5.	-5.	21.	-20.	-15.	6.	-10.
621756	59.2450	155.0500	7.	26.	-999.	.93	-5.	-5.	-5.	16.	-20.	-15.	-5.	-10.
621757	59.2483	155.1053	7.	20.	-999.	1.02	-5.	-5.	-5.	20.	-20.	-15.	-5.	-10.
621761	59.2803	155.2483	7.	13.	-999.	1.05	-5.	-5.	-5.	28.	-20.	-15.	-5.	-10.
621762	59.2828	155.3961	7.	12.	-999.	1.37	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621763	59.2817	155.4339	7.	21.	-999.	1.24	-5.	-5.	-5.	17.	-20.	-15.	-5.	-10.
621766	59.2306	155.5986	7.	62.	-999.	.81	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.
621767	59.2706	155.6239	7.	24.	-999.	1.18	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.
621768	59.2517	155.7003	7.	66.	-999.	.44	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621769	59.2700	155.7117	7.	70.	-999.	1.37	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621770	59.3625	155.2389	7.	56.	-999.	1.68	-5.	-5.	-5.	25.	-20.	-15.	-5.	-10.
621771	59.3639	155.1217	7.	25.	-999.	1.38	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
621772	59.3625	155.0697	7.	67.	-999.	.62	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.

ILLIANA CLAY SEDIMENTS

PG. TWO - SAMPLES

SAMPLE NO.	PF PPM	LI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HI PPM	K PPM	LA PPM
421687	-999.	-999.	205600.	-0.	-1291.	114100.	94.	1985.	51.8	290.	-14.5	-9.	4.7	113400.	-10.4	-24440.	-38.
421688	-1.	23.	78990.	-0.	822.	17360.	47.	261.	9.3	40.	-2.9	4.	1.4	37510.	8.1	14520.	17.
421690	-999.	-999.	38870.	-0.	-1436.	-7308.	-57.	1197.	-0.5	-59.	-13.5	-11.	-3.2	41410.	-10.9	-18370.	-41.
421694	-999.	-999.	47040.	0.	-397.	26780.	-10.	234.	26.0	96.	-4.3	-2.	.8	238200.	8.2	-9479.	-6.
421695	-1.	18.	74670.	-0.	355.	36510.	36.	482.	15.4	46.	-2.5	4.	1.3	54560.	4.1	9221.	13.
421697	1.	76.	67730.	-0.	748.	19390.	52.	1274.	-1.	-19.	-2.9	7.	1.4	27640.	6.2	17840.	18.
421701	-999.	-999.	35670.	-0.	-607.	-3583.	-28.	1147.	-2.	-49.	-7.0	-5.	-1.6	24930.	-5.3	-7945.	-22.
421707	-1.	10.	44760.	-0.	556.	17960.	22.	980.	5.0	-16.	-2.8	4.	-6	18390.	-2.1	11830.	-8.
421708	-1.	8.	61270.	-0.	487.	24480.	37.	419.	8.6	-21.	-3.5	4.	1.4	43800.	6.0	8316.	13.
421709	-1.	4.	30140.	-0.	-442.	-3462.	-20.	1026.	-2.	-35.	-5.1	4.	-1.1	17540.	-1.9	-6111.	-19.
421711	-999.	-999.	29280.	-0.	-466.	9941.	-17.	1227.	-1.	53.	-6.5	-3.	5.7	21010.	-3.4	-5940.	-14.
421717	-1.	76.	65490.	-0.	613.	25860.	33.	685.	8.4	28.	-2.5	4.	1.0	39630.	4.6	14050.	12.
421717	-999.	-999.	83250.	-1.	-1802.	-10350.	-94.	-824.	-1.0	-159.	-21.0	-13.	-5.3	-521.	-18.1	-23380.	-106.
421718	-999.	-999.	46860.	-0.	-404.	15690.	24.	1068.	-5.1	36.	-4.2	4.	-9	20140.	-3.2	11760.	-14.
421719	1.	37.	60520.	-0.	882.	15410.	32.	1336.	5.5	-20.	4.0	6.	1.6	26460.	4.7	23620.	-9.
421720	-1.	40.	71960.	-0.	712.	22690.	33.	1055.	5.5	-14.	-2.3	5.	1.2	27110.	5.8	15180.	15.
421722	-1.	34.	74440.	-0.	657.	23350.	27.	1366.	6.9	-12.	-2.0	5.	1.1	26910.	4.6	17430.	10.
421723	-1.	37.	66610.	-0.	803.	15840.	47.	1306.	-2.4	-22.	-3.3	6.	1.5	25820.	6.5	19750.	-9.
421726	1.	28.	68230.	-0.	595.	17480.	29.	1180.	6.2	-17.	-2.7	6.	1.2	29330.	4.8	15960.	10.
421727	2.	45.	67890.	-0.	842.	16609.	42.	1354.	-2.6	-21.	-3.2	6.	1.2	24250.	5.5	18130.	-3.
421728	-1.	19.	75070.	-0.	808.	17615.	29.	657.	6.9	-17.	-3.0	5.	1.4	32880.	4.2	13160.	16.
421729	-999.	-999.	76940.	-0.	826.	28740.	26.	-161.	13.1	29.	2.7	4.	1.4	48710.	5.0	11710.	13.
421732	-1.	9.	69310.	-0.	-318.	21710.	-20.	706.	13.7	-39.	-5.9	6.	-1.2	44180.	-4.2	15230.	-18.
421737	-1.	5.	34160.	-0.	-481.	12790.	-26.	-199.	-6	-45.	-6.7	-3.	-1.5	39330.	-5.0	-8771.	-12.
421739	-999.	-999.	70820.	-0.	-428.	26870.	-16.	420.	-2	-34.	-5.3	3.	-1.1	36740.	6.7	13700.	-8.
421741	-1.	10.	70260.	-0.	711.	21190.	36.	420.	11.0	41.	-2.8	4.	1.0	35370.	3.9	9180.	9.
421743	-1.	17.	49290.	-0.	384.	15090.	42.	834.	-1.9	34.	-3.1	5.	1.4	23310.	4.2	15350.	-11.
421744	-1.	5.	31020.	-0.	331.	7544.	15.	576.	-1.1	49.	-2.5	3.	.5	21470.	-1.8	10260.	-7.
421745	-1.	70.	71400.	-0.	316.	38460.	26.	116.	12.4	75.	-2.2	3.	1.2	50210.	11.1	7678.	16.
421746	-1.	3.	21520.	-0.	-339.	15060.	-9.	742.	8.5	25.	-2.5	-2.	-5	22560.	-1.9	-6723.	-11.
421747	-1.	2.	17970.	-0.	-229.	14270.	-12.	344.	-1	-21.	-2.9	-2.	-7	9469.	-2.3	-3573.	-13.
421748	-1.	2.	14250.	-0.	-457.	-2546.	-16.	344.	-2	-31.	-4.3	-4.	-1.0	12530.	-3.5	-5162.	-18.
421749	-999.	-999.	76920.	-0.	575.	27830.	34.	394.	6.1	44.	-2.7	4.	1.5	35040.	8.4	-6707.	-7.
421750	-1.	8.	57670.	-0.	315.	18310.	25.	457.	7.1	44.	-1.8	4.	.9	23710.	3.9	8885.	10.
421751	-1.	3.	20920.	-0.	-206.	17360.	19.	438.	2.8	31.	-2.3	1.	-5	15700.	-1.7	-4171.	-8.
421752	-1.	16.	64530.	-0.	500.	30600.	27.	254.	12.1	82.	-2.6	3.	1.1	45020.	6.9	-6056.	-5.
421754	-1.	21.	70460.	-0.	488.	34280.	31.	-147.	13.0	75.	-2.5	4.	1.5	40880.	10.8	9455.	17.
421755	1.	24.	47440.	-0.	766.	11950.	37.	667.	2.5	50.	3.4	5.	1.0	26350.	3.7	8395.	-7.
421756	-1.	6.	38900.	-0.	-290.	19650.	18.	613.	-1	40.	-2.7	2.	.8	21850.	3.6	7610.	-8.
421757	-1.	21.	64370.	-0.	630.	21650.	30.	300.	8.6	33.	-3.6	4.	1.3	31960.	5.6	4776.	-8.
421761	-1.	8.	77600.	-0.	437.	24470.	26.	329.	11.3	39.	-2.1	4.	1.0	26220.	2.4	8272.	9.
421762	-999.	-999.	74760.	-0.	941.	26550.	-13.	-241.	10.7	62.	-4.2	4.	1.3	33870.	3.6	-9126.	-14.
421763	-1.	11.	67130.	-0.	737.	24390.	26.	-151.	10.8	37.	-2.5	4.	1.2	37880.	4.2	12900.	-7.
421766	-1.	2.	26400.	-0.	-333.	9721.	-10.	356.	4.0	-17.	-2.8	-2.	-6	13620.	-2.1	-5490.	-12.
421767	-1.	9.	61740.	-0.	620.	20460.	31.	351.	5.9	37.	-3.2	3.	1.3	27240.	4.6	12690.	-12.
421768	-999.	-999.	14160.	-0.	-424.	-2665.	-13.	-142.	-2	-23.	-3.4	-3.	-7	11910.	-2.6	-6449.	-16.
421769	-999.	-999.	68590.	-0.	488.	31900.	31.	-145.	5.8	31.	-1.8	3.	1.1	26600.	5.3	-4453.	13.
421770	-1.	24.	72420.	-0.	565.	22790.	25.	231.	9.9	32.	-1.9	4.	1.0	30960.	3.6	10530.	-5.
421771	-999.	-999.	67170.	-0.	-1070.	73370.	-25.	-460.	-8.4	99.	-7.3	-6.	-1.4	43920.	-5.1	-24290.	-23.
421772	-999.	-999.	16550.	-0.	-537.	15050.	-15.	2160.	-2	51.	-4.0	-4.	-8	22670.	-2.9	13470.	-18.

ELIANTIA LOVE SEDIMENTS

PG. THREE - SAMPLE 6

SAMPLE NO.	1U PPM	PG PPM	MN PPM	NA PPM	OB PPM	SB PPM	SC PPM	SP PPM	SP PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	VB PPM	ZK PPM	U/TH PPM
421667	-0.5	36630.	2301.	54750.	-356.	-11.	40.1	10.3	-999.	-17.	-7.	-9.5	8063.	358.	-11.4	-460.	-999.000
421668	-0.3	6619.	628.	22210.	-66.	-2.	16.0	3.1	-338.	-3.	-1.	4.3	4321.	113.	3.1	-83.	2.208
421669	-0.2	-9115.	1439.	10820.	-405.	-12.	5.7	-3.5	-999.	-15.	-8.	-10.7	-4631.	-37.	-12.3	-546.	-999.000
421674	-0.4	15440.	2960.	13250.	-96.	-3.	36.5	2.0	-748.	-3.	-2.	-2.4	15360.	1109.	-2.7	-109.	-999.000
421675	-0.3	13340.	1094.	24360.	-53.	-2.	21.5	2.9	-386.	-2.	-1.	-1.5	4117.	156.	3.4	102.	-999.000
421677	-0.5	-3540.	507.	27760.	-64.	-7.	11.6	5.1	-496.	-3.	-2.	3.4	2370.	59.	4.6	-92.	1.650
421701	-0.5	-4708.	366.	11090.	-196.	-6.	5.5	-1.7	-725.	-7.	-4.	-5.2	-1891.	67.	-6.1	345.	-999.000
421707	-0.7	-3077.	523.	18730.	-68.	-2.	6.8	2.7	-436.	-3.	-1.	-1.9	1914.	38.	-2.3	-55.	-999.000
421708	-0.3	11940.	818.	24140.	-82.	-3.	18.5	2.9	-408.	-3.	-2.	-2.3	4317.	118.	-2.7	-107.	-999.000
421709	-0.3	4769.	247.	10210.	-139.	-4.	5.4	-1.2	-548.	-5.	-3.	-3.8	-1422.	52.	-4.4	-178.	-999.000
421711	-0.3	4748.	241.	9338.	-176.	-4.	5.2	1.5	-576.	-4.	-3.	-3.3	-1516.	63.	-3.9	-155.	-999.000
421715	-0.4	6517.	750.	26080.	-60.	-2.	11.2	2.5	-415.	-3.	-1.	7.9	2914.	91.	-1.8	-78.	2.336
421717	-1.7	-15500.	897.	38400.	-554.	-27.	13.8	-9.4	-999.	-19.	-12.	-17.5	7992.	161.	-25.5	-720.	-999.000
421719	-0.3	-4177.	372.	19480.	-116.	-4.	6.3	3.2	-572.	-4.	-2.	-3.0	2747.	101.	-3.6	-147.	-999.000
421720	-0.6	-3656.	577.	29760.	-77.	-3.	10.9	4.8	-398.	-4.	-2.	5.5	2311.	48.	5.3	-98.	2.500
421721	-0.5	5840.	620.	29190.	-51.	-2.	13.7	4.2	-370.	-2.	-1.	3.5	2841.	63.	4.4	-56.	1.890
421722	-0.4	5051.	613.	30940.	-44.	-2.	11.5	4.3	-362.	-2.	-1.	3.9	2467.	84.	3.3	-68.	1.859
421723	-0.7	6346.	498.	29860.	-64.	-3.	10.2	5.7	-402.	-3.	-2.	3.2	2291.	45.	4.9	-105.	1.462
421726	-0.4	-3473.	632.	29190.	-63.	-2.	10.8	4.2	-450.	-3.	2.	4.2	3230.	56.	4.2	-75.	1.786
421727	-0.5	3897.	504.	29830.	-83.	-3.	9.9	-4.9	-397.	-3.	-2.	4.0	1904.	43.	-2.8	-100.	1.812
421728	-0.5	7558.	723.	19070.	-67.	-2.	16.0	3.5	-411.	-3.	-1.	3.0	3555.	96.	-2.0	-19.	1.852
421729	-0.4	9196.	1031.	20990.	-53.	-2.	21.2	3.2	-437.	-2.	-1.	3.0	5215.	157.	3.2	78.	1.695
421732	-0.3	10000.	966.	14610.	-142.	-5.	18.0	4.1	-595.	-7.	-3.	-4.1	4911.	115.	-4.8	-195.	-999.000
421733	-0.4	-3903.	1143.	6628.	-165.	-4.	9.6	-1.2	-775.	-8.	-4.	-4.9	-1949.	77.	-4.9	-210.	-999.000
421739	-0.3	8865.	790.	21910.	-171.	-3.	12.5	2.1	-678.	-6.	-3.	-3.6	4802.	86.	-3.8	-163.	-999.000
421741	-0.2	1354.	616.	18460.	-60.	-2.	14.0	2.5	-372.	-3.	-1.	-1.7	4409.	109.	2.3	-98.	-999.000
421743	-0.4	-2919.	547.	18890.	-65.	-4.	11.3	3.7	-409.	-3.	-2.	3.7	2818.	60.	2.1	-74.	2.625
421744	-0.7	-2164.	257.	9567.	-55.	-3.	6.6	1.4	-310.	-2.	-1.	1.9	2216.	45.	-2.3	54.	1.957
421745	-0.3	10430.	1131.	22320.	-42.	-2.	22.6	2.4	-416.	-2.	-1.	2.3	6545.	121.	3.1	-53.	1.715
421746	-0.2	-2987.	1104.	6638.	-71.	-3.	3.7	1.3	-566.	-3.	-1.	-1.8	-1404.	53.	-2.5	-71.	-999.000
421747	-0.2	2861.	227.	7224.	-72.	-3.	3.6	-1.1	-321.	-2.	-2.	-2.3	871.	16.	-3.1	-93.	-999.000
421748	-0.3	-3213.	150.	5964.	-114.	-5.	2.5	-1.7	-516.	-3.	-2.	-3.4	-1418.	-12.	-4.7	-136.	-999.000
421749	-0.3	7796.	953.	24800.	-56.	-3.	16.5	4.0	-543.	-2.	-1.	-2.5	5385.	102.	2.7	135.	-999.000
421750	-0.3	5596.	539.	18800.	-39.	-2.	10.9	2.4	-312.	-1.	-1.	1.9	2972.	55.	2.4	-108.	1.570
421751	-0.1	-2038.	673.	7766.	-56.	-2.	5.2	1.1	-351.	-2.	-1.	-1.6	1530.	48.	-2.3	-65.	-999.000
421752	-0.1	8953.	1349.	21910.	-52.	-3.	18.9	2.3	-459.	-2.	-1.	1.6	4808.	153.	-2.1	178.	1.088
421754	-0.4	11080.	1006.	25750.	-47.	-3.	22.3	3.7	-365.	-2.	-1.	3.3	6686.	117.	3.2	-57.	2.326
421755	-0.3	5746.	433.	15350.	-60.	-3.	9.8	3.7	-364.	-2.	-1.	4.0	7327.	62.	-2.5	232.	1.718
421756	-0.2	4538.	468.	15310.	-54.	-3.	7.7	2.5	-456.	-2.	-1.	2.1	7550.	46.	-2.5	-64.	2.257
421757	-0.2	9553.	845.	17420.	-86.	-4.	16.9	3.0	-439.	-2.	-1.	2.7	3758.	88.	3.7	-41.	2.646
421761	-0.3	8527.	626.	19300.	-40.	-2.	14.7	2.7	-342.	-2.	-1.	1.7	2937.	113.	2.1	192.	1.618
421762	-0.3	9750.	1677.	21760.	-84.	-5.	16.0	2.9	-727.	-3.	-2.	-2.8	4706.	170.	-4.3	-45.	-999.000
421763	-0.3	9427.	835.	20160.	-50.	-3.	16.7	2.2	-389.	-2.	-1.	4.0	4572.	117.	-2.1	-69.	3.226
421766	-0.2	-3108.	288.	8260.	-67.	-3.	4.9	-1.1	-463.	-3.	-1.	-1.9	-1178.	26.	-2.9	-84.	-999.000
421767	-0.4	6481.	700.	18560.	-66.	-4.	12.0	-3.0	-456.	-2.	-2.	3.4	3197.	87.	-2.8	-70.	2.882
421768	-0.2	-3115.	567.	3311.	-83.	-4.	2.2	-1.4	-575.	-3.	-2.	-2.6	-1497.	-14.	-3.6	-104.	-999.000
421769	-0.3	7887.	694.	23820.	-35.	-2.	14.9	3.2	-343.	-1.	-1.	2.4	3566.	68.	2.9	152.	1.751
421770	-0.3	6265.	725.	21490.	-39.	-2.	13.3	2.5	-352.	-1.	-1.	3.1	3402.	102.	-1.7	-102.	1.845
421771	-0.5	-4182.	6616.	19400.	-157.	-9.	13.6	-2.6	-999.	-6.	-4.	-5.1	-4604.	168.	-7.3	-178.	-999.000
421772	-0.3	-4182.	1262.	4325.	-103.	-5.	3.9	-1.7	-831.	-3.	-2.	-3.0	-2068.	43.	-4.4	-98.	-999.000

TIJANHA LAKE SEDIMENTS

PG. ONE - SAMPLE 7

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NICKEL PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
421773	59.3447	155.0611	7.	31.	-999.	2.30	-5.	-5.	-5.	25.	-20.	-15.	-5.	-10.	-15.
421774	59.7264	154.4527	7.	44.	-999.	1.16	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
421775	59.7424	154.2756	6.	49.	-999.	1.35	-5.	-5.	-5.	15.	-20.	-15.	-5.	-10.	-15.

TIJANHA LAKE SEDIMENTS

PG. TWO - SAMPLE 7

SAMPLE NO.	FE PPM	LI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HF PPM	K PPM	LA PPM
421773	-1.	8.	48540.	-0.	921.	16900.	32.	447.	-1	35.	-2.8	3.	1.2	17790.	5.0	-5620.	-7.
421774	-1.	8.	40680.	-0.	-280.	15860.	27.	888.	3.7	-14.	-2.4	3.	.7	14450.	-1.9	-5605.	-9.
421775	-1.	18.	45430.	-0.	582.	13280.	28.	1124.	-1	-21.	-3.7	5.	1.3	12170.	4.7	10660.	-17.

TIJANHA LAKE SEDIMENTS

PG. THREE - SAMPLE 7

SAMPLE NO.	LU PPM	PG PPM	MN PPM	NA PPM	RB PPM	SR PPM	SC PPM	SM PPM	SR PPM	TA PPM	TE PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	U/TH PARTS
421773	.3	6174.	358.	15880.	-59.	-3.	10.0	2.4	-444.	-2.	-1.	5.3	2533.	51.	-2.5	-56.	2.304
421774	-1	-3152.	409.	14880.	-51.	-3.	6.6	2.3	-437.	-2.	-1.	-1.6	1814.	41.	2.6	-60.	-999.000
421775	-1.7	-3299.	352.	18910.	-65.	-4.	6.8	4.5	-437.	-3.	-2.	-2.3	1795.	37.	-3.3	-78.	-999.000

Appendix C. Stream Water Data

Appendix C. Stream Water Data

ELIABHA STREAM WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	IRANJIM OPR	PH	COND. UMHNS/CM	SCINT. NFI CPS	1000PH/COND.
27	421226	59.914	153.016	.090	6.100	28.000	14.000	2.957
27	421227	59.931	153.067	.050	7.300	59.000	7.000	.943
27	421228	59.896	153.019	.390	7.400	80.000	1.000	4.750
27	421229	59.877	153.071	.170	7.400	39.000	7.000	4.474
27	421230	59.871	153.153	.240	7.300	40.000	9.000	6.000
27	421231	59.819	153.088	.530	7.300	90.000	7.000	5.883
27	421232	59.805	153.151	.060	7.400	78.000	3.000	.769
27	421233	59.901	153.237	.010	7.400	71.000	5.000	.141
27	421234	59.841	153.271	.070	7.300	63.000	0.000	1.111
27	421235	59.835	153.320	.070	7.400	44.000	3.000	1.591
27	421236	59.822	153.298	.070	7.470	39.000	0.000	2.308
27	421237	59.813	153.323	.080	7.300	56.000	5.000	1.429
27	421239	59.737	153.331	.010	7.300	61.000	7.000	.164
27	421244	59.916	154.476	.010	7.300	24.000	9.000	.417
27	421247	59.959	155.817	.280	7.100	32.000	9.000	8.750
27	421268	59.954	155.867	.040	6.000	35.000	1.000	1.143
27	421324	59.845	155.864	.010	7.000	28.000	0.000	.357
27	421363	59.700	155.405	.500	7.000	39.000	0.000	12.821
27	421393	59.939	154.410	.050	6.500	30.000	3.000	1.667
27	421396	59.993	154.206	.260	7.300	11.000	7.000	23.616
27	421397	59.991	154.129	.010	7.300	8.000	7.000	1.250
27	421398	59.978	154.068	.020	7.200	11.000	3.000	1.918
27	421399	59.970	153.975	.010	7.100	20.000	0.000	.500
27	421400	59.949	154.031	.010	7.300	5.000	3.000	2.000
27	421401	59.938	153.986	.270	6.200	19.000	1.000	14.211
27	421403	59.928	154.203	.270	7.200	14.000	0.000	19.286
27	421404	59.931	154.164	.040	9.300	24.000	0.000	1.667
27	421406	59.898	154.153	.880	7.300	8.000	3.000	110.000
27	421407	59.885	154.224	.230	7.200	12.000	0.000	19.167
27	421408	59.853	154.242	.230	10.900	18.000	1.000	12.778
27	421412	59.801	154.149	.200	7.000	6.000	3.000	33.333
27	421413	59.828	154.103	.410	7.200	9.000	1.000	45.556
27	421414	59.898	153.983	.560	7.600	18.000	1.000	31.111
27	421415	59.848	154.036	6.030	7.200	9.000	0.000	670.000
27	421416	59.840	154.061	.050	7.200	8.000	0.000	6.250
27	421421	59.794	153.817	4.230	7.100	14.000	3.000	302.143
27	421422	59.818	153.729	1.020	7.200	15.000	0.000	64.000
27	421423	59.810	153.883	.220	7.200	7.000	0.000	31.429
27	421424	59.834	153.815	.250	7.200	9.000	3.000	31.250
27	421425	59.772	153.643	.160	7.300	4.000	0.000	40.000
27	421426	59.807	153.633	.210	7.200	5.000	7.000	47.000
27	421427	59.797	153.557	.160	5.300	2.000	3.000	40.000
27	421428	59.770	153.479	.030	7.200	12.000	1.000	2.500
27	421429	59.763	153.416	.200	7.800	35.000	1.000	5.714
27	421430	59.806	153.464	.290	7.100	115.000	3.000	2.522
27	421431	59.838	153.458	1.960	7.200	9.000	11.000	217.778
27	421433	59.882	153.504	.020	7.200	10.000	7.000	2.000
27	421434	59.900	153.471	.010	7.200	4.000	5.000	2.500
27	421435	59.915	153.485	.120	7.400	56.000	1.000	2.143
27	421437	59.988	153.321	.250	7.200	13.000	3.000	19.231

ILLIAMA STEAM WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DEANJIM PPH	PH	COND. UMH/5/CM	SCINT. NET CPS	1000*U/COND.
27	421438	59.957	153.740	.250	7.150	121.000	1.000	2.026
27	421439	59.963	153.711	.150	7.250	22.000	0.000	6.918
27	421440	59.962	153.250	.070	7.250	23.000	3.000	3.043
27	421442	59.940	153.504	.140	6.650	7.000	1.000	25.714
27	421443	59.975	153.505	.030	7.100	7.000	1.000	4.288
27	421444	59.944	153.709	.600	7.100	12.000	3.000	50.000
27	421445	59.913	153.744	2.430	7.100	16.000	3.000	151.275
27	421446	59.899	153.774	.140	7.100	13.000	1.000	10.789
27	421447	59.888	153.656	.010	7.550	9.000	3.000	1.111
27	421448	59.914	153.635	.030	7.250	4.000	3.000	7.500
27	421449	59.973	153.680	.360	6.000	8.000	3.000	45.000
27	421450	59.858	153.750	3.150	7.250	5.000	5.000	632.000
27	421451	59.759	153.761	.270	7.300	3.000	1.000	73.333
27	421452	59.768	153.929	.240	7.100	10.000	3.000	24.000
27	421453	59.843	153.859	.430	7.150	14.000	0.000	10.714
27	421454	59.881	153.907	.480	7.250	11.000	3.000	43.636
27	421455	59.915	153.898	.390	7.200	9.000	1.000	43.333
27	421456	59.971	153.892	.220	7.500	3.000	0.000	73.333
27	421459	59.633	154.506	.580	6.000	35.000	0.000	16.571
27	421466	59.681	154.115	.380	7.100	45.000	3.000	8.444
27	421467	59.707	154.019	.670	6.600	53.000	3.000	12.442
27	421471	59.652	153.854	.100	7.050	2.000	3.000	50.000
27	421473	59.625	153.884	1.280	7.000	15.000	3.000	85.333
27	421476	59.644	153.978	.940	7.050	22.000	1.000	42.727
27	421478	59.632	154.087	1.110	7.050	19.000	7.000	59.421
27	421480	59.543	154.064	.360	7.100	20.000	3.000	17.000
27	421482	59.543	153.933	.040	10.950	36.000	1.000	2.222
27	421507	59.541	154.353	3.290	6.700	45.000	5.000	73.111
27	421514	59.604	154.322	3.640	7.300	40.000	0.000	91.000
27	421520	59.611	154.586	.790	6.700	39.000	1.000	20.256
27	421529	59.410	154.230	.200	6.000	39.000	0.000	5.128
27	421537	59.422	153.844	.270	7.100	60.000	0.000	4.500
27	421538	59.377	153.512	.500	6.300	81.000	1.000	6.173
27	421540	59.331	153.454	.080	7.000	59.000	0.000	1.356
27	421541	59.330	153.397	.080	7.050	870.000	0.000	.092
27	421544	59.450	153.750	.250	7.300	67.000	3.000	3.731
27	421546	59.447	153.827	.030	7.200	47.000	0.000	.834
27	421548	59.569	153.814	.140	7.300	13.000	7.000	13.446
27	421549	59.550	153.728	.050	7.100	33.000	3.000	1.515
27	421550	59.571	153.735	.070	7.100	25.000	0.000	2.800
27	421551	59.409	153.684	.040	7.100	16.000	3.000	5.000
27	421552	59.639	153.715	.970	7.100	22.000	0.000	44.091
27	421553	59.701	153.590	.030	7.250	7.000	1.000	4.288
27	421554	59.682	153.629	.010	7.100	14.000	3.000	2.143
27	421555	59.705	153.677	.250	7.200	4.000	3.000	42.500
27	421556	59.707	153.723	.100	7.200	7.000	3.000	14.286
27	421557	59.722	153.799	.040	7.200	8.000	0.000	5.600
27	421559	59.682	153.531	2.120	6.400	17.000	3.000	124.708
27	421560	59.659	153.518	.030	7.000	42.000	0.000	.714
27	421561	59.736	153.454	.270	7.100	27.000	1.300	10.000

TITANUM STEEL DATA

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FMS	PH	COND. UMHRS/CM	SCINT. NET CPS	1000U/COND.
27	421563	59.698	153.309	1.170	7.100	139.000	1.000	8.417
27	421567	59.750	153.076	.200	7.600	37.000	1.000	5.405
27	421569	59.716	153.144	.500	7.070	46.000	0.000	10.470
27	421570	59.690	153.177	.450	7.000	693.000	0.000	1.286
27	421571	59.654	153.170	.070	7.200	38.000	1.000	1.842
27	421572	59.674	153.326	.010	6.400	33.000	3.000	.303
27	421573	59.641	153.395	.010	7.100	36.000	0.000	.279
27	421574	59.646	153.344	.230	7.100	15.000	1.000	15.331
27	421576	59.569	153.621	.600	7.000	89.000	3.000	6.818
27	421577	59.555	153.614	.460	7.100	99.000	7.000	4.674
27	421578	59.509	153.777	.390	7.200	18.000	3.000	21.111
27	421580	59.376	153.909	.070	7.200	26.000	1.000	2.692
27	421584	59.348	154.139	.210	7.100	53.000	3.000	3.962
27	421585	59.374	154.130	.930	7.100	13.000	3.000	71.538
27	421586	59.379	154.174	3.070	7.100	28.000	3.000	109.643
27	421592	59.334	154.602	.190	6.100	32.000	0.000	5.938
27	421604	59.372	155.360	.590	7.200	61.000	3.000	9.672
27	421625	59.023	155.848	.270	7.100	29.000	0.000	9.643
27	421626	59.030	155.735	.010	7.100	34.000	0.000	.294
27	421627	59.062	155.749	.390	7.200	29.000	3.000	13.571
27	421628	59.056	155.818	.010	7.100	29.000	0.000	.357
27	421630	59.103	155.976	.560	5.600	60.000	3.000	9.333
27	421637	59.224	155.820	.360	6.970	97.000	0.000	3.711
27	421660	59.043	154.684	1.240	7.100	6.000	0.000	208.667
27	421663	59.022	154.549	.350	7.100	9.000	0.000	38.889
27	421665	59.050	154.469	.150	7.100	13.000	0.000	11.538
27	421667	59.048	154.378	.170	5.700	49.000	0.007	3.465
27	421670	59.118	154.364	.040	7.100	36.000	0.000	1.111
27	421671	59.126	154.454	.010	8.900	22.000	0.000	.455
27	421672	59.134	154.427	.010	7.100	15.000	0.000	.667
27	421678	59.176	154.603	.240	7.100	9.000	0.000	31.111
27	421680	59.185	154.789	.740	7.100	15.000	0.000	49.333
27	421681	59.197	154.875	.760	7.100	16.000	0.000	46.250
27	421683	59.243	154.807	.990	7.500	23.000	0.000	43.043
27	421684	59.234	154.733	1.470	7.100	13.000	0.000	139.462
27	421692	59.378	154.874	.860	7.070	39.000	0.000	27.051
27	421696	59.193	154.494	.570	6.800	25.000	0.000	22.900
27	421698	59.159	154.373	.030	7.100	23.000	0.000	1.304
27	421699	59.154	154.302	.360	7.000	45.000	0.000	7.826
27	421700	59.114	154.284	.970	7.170	19.000	0.000	51.053
27	421702	59.016	154.208	.390	7.100	21.000	0.000	16.522
27	421703	59.021	154.129	.160	7.000	42.000	0.000	3.810
27	421704	59.009	154.094	.190	7.000	40.000	0.000	4.750
27	421705	59.028	153.986	.220	7.100	51.000	0.000	4.314
27	421706	59.049	153.994	.440	7.100	72.000	0.000	6.389
27	421712	59.061	153.926	.250	6.803	104.000	0.000	2.474
27	421713	59.069	153.974	.220	7.000	90.000	0.000	2.444
27	421714	59.074	154.035	.070	7.100	74.000	0.000	.921
27	421716	59.148	154.274	.570	7.100	67.000	0.000	9.507
27	421721	59.280	154.123	.790	7.100	80.000	0.000	3.625

ILIAPPA STREAM WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	URANIUM PPM	PH	CTND. UMH/5/CM	SCINT. NET CPS	1000*U/CTND.
27	421724	59.245	154.316	1.620	6.850	34.000	0.000	45.000
27	421725	59.239	154.351	.100	6.900	24.000	0.000	4.157
27	421730	59.227	154.957	.070	6.900	20.000	0.000	3.500
27	421731	59.211	154.951	.530	6.900	24.000	0.000	14.929
27	421733	59.168	154.840	.040	6.900	26.000	0.000	1.538
27	421734	59.072	154.849	.070	6.300	128.000	0.000	.547
27	421735	59.111	154.987	7.470	6.900	37.000	0.000	201.972
27	421736	59.132	155.034	.560	6.900	24.000	0.000	21.534
27	421738	59.097	155.221	.400	6.900	37.000	0.000	10.411
27	421740	59.116	155.441	.200	6.900	42.000	0.000	4.762
27	421742	59.132	155.555	.260	6.900	30.000	0.000	8.667
27	421753	59.149	155.124	.570	7.100	26.000	0.000	21.923
27	421758	59.314	155.149	.270	7.000	44.000	0.000	6.136
27	421759	59.329	155.225	.140	7.000	52.000	0.000	3.462
27	421765	59.236	155.542	.530	6.700	114.000	0.000	4.449

Appendix D. Lake Water Data

Appendix D. Lake Water Data

ILLINOIS LAKE WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH DPA	PH	COND. UMH/CM	SCINT. NET CPS	1000*H/CMO.
29	421239	59.769	153.299	.310	7.490	29.000	0.000	.357
29	421240	59.766	154.709	.010	7.430	24.000	0.000	.417
29	421241	59.769	154.611	.010	7.300	34.000	0.000	.294
29	421242	59.805	154.538	.730	7.150	180.000	0.000	1.279
29	421243	59.793	154.463	.010	7.500	47.000	0.000	.213
29	421244	59.835	154.437	.460	7.500	11.000	0.000	41.818
29	421245	59.873	154.497	.230	7.400	35.000	0.000	6.571
29	421247	59.940	154.500	5.490	7.450	19.000	0.000	102.474
29	421248	59.988	154.532	.240	7.450	31.000	0.000	7.273
29	421249	59.973	154.633	.010	7.300	28.000	0.000	.157
29	421250	59.975	154.712	.970	7.300	43.000	0.000	20.233
29	421251	59.975	154.785	.010	7.300	41.000	0.000	.244
29	421252	59.994	154.896	.010	7.400	18.000	0.000	.556
29	421253	59.977	154.770	.080	7.200	42.000	0.000	1.205
29	421254	59.968	155.072	.010	7.300	25.000	0.000	.400
29	421255	59.965	155.119	.160	7.300	36.000	0.000	6.444
29	421256	59.943	155.105	.310	7.300	22.000	0.000	14.091
29	421257	59.938	155.164	.310	7.300	47.000	0.000	7.381
29	421258	59.935	155.213	.510	7.400	23.000	0.000	22.174
29	421259	59.958	155.224	.450	7.399	34.000	0.000	13.235
29	421260	59.966	155.320	.590	7.300	35.000	0.000	16.857
29	421261	59.949	155.380	.660	7.300	41.000	0.000	14.098
29	421262	59.918	155.397	.010	7.300	16.000	0.000	.625
29	421263	59.964	155.454	.170	7.200	3.000	0.000	56.667
29	421264	59.960	155.502	.020	7.150	5.000	0.000	4.000
29	421265	59.936	155.495	.040	7.000	6.000	0.000	6.667
29	421266	59.944	155.622	.470	7.100	22.000	0.000	21.364
29	421269	59.949	155.676	.060	7.300	27.000	0.000	2.222
29	421270	59.937	155.744	.010	6.900	15.000	0.000	.667
29	421271	59.958	155.779	.260	7.000	7.000	0.000	37.143
29	421272	59.958	155.860	.010	6.900	30.000	0.000	.333
29	421273	59.943	155.866	.180	7.100	7.000	0.000	25.714
29	421274	59.933	155.924	.010	6.900	42.000	0.000	.738
29	421275	59.904	155.916	.050	7.000	16.000	0.000	3.125
29	421276	59.894	155.845	.010	7.000	25.000	0.000	.400
29	421277	59.891	155.767	.210	7.000	27.000	0.000	7.778
29	421278	59.884	155.714	.560	7.000	37.000	0.000	15.135
29	421279	59.878	155.576	.290	7.100	19.000	0.000	15.263
29	421280	59.872	155.529	.730	7.000	11.000	0.000	20.909
29	421281	59.859	155.504	.010	7.000	9.000	0.000	1.111
29	421282	59.890	155.432	.010	7.000	16.000	0.000	.625
29	421283	59.891	155.351	.010	7.000	13.000	0.000	.769
29	421284	59.891	155.274	.310	7.000	49.000	0.000	6.327
29	421285	59.893	155.168	.270	7.100	24.000	0.000	11.250
29	421286	59.888	155.117	.090	7.000	34.000	0.000	2.667
29	421287	59.916	155.019	.010	7.100	43.000	0.000	.233
29	421288	59.928	154.925	.010	7.100	77.000	0.000	.130
29	421289	59.934	154.793	.010	7.100	41.000	0.000	.244
29	421290	59.930	154.737	.190	7.300	49.000	0.000	3.878
29	421291	59.930	154.666	1.420	7.100	27.000	0.000	64.545

ILLUMINA TAPE VATED

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	QUANTITY PPH	PH	COND. UMH/5/CM	SCINT. NET CPS	1000*H/COND.
22	421292	59.917	154.599	.090	7.100	29.000	0.000	2.999
22	421293	59.874	154.591	9.000	7.100	62.000	0.000	80.665
22	421294	59.858	154.557	1.100	7.170	1.000	0.000	1103.000
22	421295	59.803	154.651	.010	7.230	46.000	0.000	.217
22	421296	59.792	154.709	.790	7.100	146.000	0.000	5.411
22	421297	59.783	154.910	.070	7.500	42.000	0.000	1.667
22	421298	59.830	154.759	.110	7.500	52.000	0.000	2.115
22	421299	59.925	154.613	.530	8.000	250.000	0.000	.120
22	421300	59.890	154.603	.340	7.200	24.000	0.000	15.152
22	421301	59.804	154.393	.010	7.700	43.000	0.000	.233
22	421302	59.843	154.410	1.260	7.400	39.000	0.000	32.308
22	421303	59.771	154.828	.010	7.800	18.000	0.000	.556
22	421304	59.817	154.968	.200	7.200	17.000	0.000	11.765
22	421305	59.835	154.871	.010	7.200	6.000	0.000	1.667
22	421306	59.870	154.888	.290	7.100	29.000	0.000	9.655
22	421307	59.839	154.963	1.860	7.200	24.000	0.000	66.429
22	421308	59.827	154.954	.790	7.300	15.000	0.000	52.667
22	421310	59.770	155.087	.520	7.200	32.000	0.000	16.250
22	421311	59.915	155.050	1.010	7.100	45.000	0.000	22.444
22	421312	59.830	155.117	.940	7.100	4.000	0.000	235.000
22	421313	59.832	155.142	.160	7.200	23.000	0.000	6.957
22	421314	59.815	155.173	.290	7.200	35.000	0.000	8.296
22	421315	59.810	155.209	.380	7.200	42.000	0.000	9.048
22	421316	59.828	155.217	.800	7.300	1.000	0.000	800.000
22	421317	59.838	155.316	.660	7.300	2.000	0.000	330.000
22	421318	59.911	155.339	.010	7.100	11.000	0.000	.909
22	421319	59.924	155.403	.410	7.100	1.000	0.000	16.400
22	421320	59.816	155.419	.330	7.100	14.000	0.000	17.368
22	421321	59.809	155.471	.330	7.000	26.000	0.000	12.672
22	421322	59.803	155.467	.250	7.400	5.000	0.000	50.000
22	421323	59.838	155.604	.900	7.200	6.000	0.000	133.333
22	421325	59.820	155.692	.240	7.200	6.000	0.000	40.000
22	421326	59.809	155.737	.010	7.100	5.000	0.000	2.000
22	421327	59.819	155.777	.010	7.000	12.000	0.000	.833
22	421328	59.851	155.819	.010	7.000	14.000	0.000	.714
22	421329	59.820	155.876	.250	7.100	3.000	0.000	83.333
22	421330	59.835	155.904	.790	7.000	7.000	0.000	112.857
22	421331	59.811	155.947	.010	7.100	4.000	0.000	2.400
22	421332	59.759	155.966	.330	7.100	5.000	0.000	62.500
22	421333	59.709	155.969	.240	7.000	4.000	0.000	60.000
22	421334	59.677	155.938	.010	7.100	4.000	0.000	2.500
22	421335	59.679	155.968	.010	7.100	3.000	0.000	3.333
22	421336	59.712	155.900	.170	7.000	2.000	0.000	25.000
22	421337	59.736	155.872	.010	7.000	4.000	0.000	2.500
22	421338	59.742	155.807	.010	7.000	7.000	0.000	1.429
22	421339	59.725	155.787	.010	7.000	1.000	0.000	1.333
22	421340	59.725	155.715	.010	6.900	24.000	0.000	.357
22	421341	59.778	155.686	.070	7.100	2.000	0.000	10.000
22	421342	59.788	155.639	.010	7.000	6.000	0.000	1.667
22	421343	59.712	155.644	.070	7.100	5.000	0.000	2.000

ILLINOIS LAKE WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	DEPTH FPP	PH	COND. UMHNS/CM	SCINT. MFL CPS	1000PH/COND.
24	421344	59.711	155.549	.120	6.939	5.000	0.000	24.000
24	421345	59.756	155.524	1.320	6.920	25.000	0.000	52.800
24	421346	59.765	155.455	.060	7.000	20.000	0.000	3.000
24	421347	59.747	155.384	.100	7.179	36.000	0.000	2.778
24	421348	59.761	155.293	.060	7.100	22.000	0.000	2.727
24	421349	59.754	155.221	.170	7.100	50.000	0.000	3.400
24	421350	59.746	155.024	.990	7.200	21.000	0.000	41.405
24	421351	59.848	154.700	6.270	7.100	35.000	0.000	179.143
24	421352	59.873	154.745	.130	7.300	43.000	0.000	3.023
24	421353	59.829	154.424	.070	7.300	38.000	0.000	1.842
24	421354	59.758	154.728	.010	7.200	3.000	0.000	3.313
24	421355	59.729	154.886	.010	7.200	7.000	0.000	1.429
24	421356	59.718	154.774	.010	7.100	12.000	0.000	.833
24	421357	59.714	155.069	.190	7.070	4.000	0.000	45.000
24	421358	59.713	155.143	.110	7.100	5.000	0.000	36.000
24	421359	59.710	155.264	1.170	6.920	9.000	0.000	12.444
24	421360	59.692	155.280	.950	7.100	6.000	0.000	158.313
24	421361	59.681	155.326	.030	7.000	18.000	0.000	1.867
24	421362	59.708	155.350	.350	7.000	35.000	0.000	10.000
24	421364	59.690	155.441	.200	7.100	5.000	0.000	40.000
24	421365	59.676	155.561	.960	7.000	34.000	0.000	28.235
24	421366	59.675	155.596	.010	7.100	20.000	0.000	.500
24	421367	59.671	155.696	.210	7.100	37.000	0.000	5.676
24	421368	59.659	155.754	.020	7.200	2.000	0.000	5.000
24	421369	59.662	155.770	.750	7.100	5.070	0.000	150.000
24	421370	59.641	155.854	.450	7.000	21.000	0.000	21.429
24	421371	59.625	155.929	.440	7.100	14.000	0.000	31.429
24	421372	59.591	155.452	1.180	7.100	20.000	0.000	59.000
24	421373	59.575	155.887	.010	7.100	18.000	0.000	.556
24	421374	59.559	155.978	.010	7.100	9.000	0.000	1.111
24	421375	59.506	155.985	.470	7.100	17.000	0.000	27.647
24	421376	59.468	155.989	.250	7.200	8.000	0.000	31.250
24	421377	59.508	155.908	.010	7.100	8.000	0.000	1.750
24	421378	59.527	155.899	.010	7.000	16.000	0.000	.625
24	421379	59.552	155.810	.170	7.000	39.000	0.000	4.359
24	421380	59.571	155.791	.010	7.100	35.000	0.000	.796
24	421381	59.634	155.683	.010	7.200	16.000	0.000	.625
24	421382	59.632	155.603	.540	7.100	42.000	0.000	12.857
24	421383	59.632	155.561	.010	7.200	20.000	0.000	.500
24	421384	59.648	155.470	.010	7.100	37.000	0.000	.313
24	421385	59.641	155.376	1.020	7.100	32.000	0.000	31.875
24	421386	59.644	155.302	.290	7.100	27.000	0.000	3.655
24	421387	59.655	155.225	.140	7.200	11.000	0.000	14.545
24	421388	59.671	155.130	.950	7.100	25.000	0.000	38.000
24	421389	59.685	155.043	.090	7.200	10.000	0.000	9.000
24	421390	59.686	154.957	.170	7.100	35.000	0.000	3.429
24	421391	59.670	154.899	.490	7.200	39.000	0.000	12.564
24	421392	59.914	154.414	3.340	7.270	24.000	0.000	128.462
24	421394	59.948	154.427	.300	7.400	23.000	0.000	13.043
24	421395	59.992	154.267	.330	7.500	8.000	0.000	41.250

NETAMMA LAKE WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	UPANILIN PPH	PH	COND. UMHIS/CM	SCINT. NET CPS	1000UM/COND.
22	421402	59.969	154.277	.160	7.300	30.000	0.000	5.333
22	421405	59.901	154.266	9.640	7.300	20.000	0.000	42.000
22	421409	59.851	154.316	.090	7.300	14.000	0.000	5.000
22	421410	59.818	154.315	.460	7.300	26.000	0.000	17.692
22	421411	59.810	154.250	.360	7.000	15.000	0.000	24.000
22	421417	59.781	154.054	.180	7.200	45.000	0.000	3.913
22	421419	59.799	153.959	.510	7.300	16.000	0.000	31.875
22	421419	59.749	153.903	.660	7.100	17.000	0.000	38.824
22	421420	59.745	153.874	.220	7.100	23.000	0.000	9.565
22	421432	59.864	153.523	.010	7.200	8.000	0.000	1.250
22	421436	59.937	153.442	5.050	7.200	12.000	0.000	420.933
22	421441	59.924	153.327	.740	7.200	9.000	0.000	82.222
22	421457	59.838	153.915	.060	7.300	12.000	0.000	5.000
22	421454	59.732	154.753	.760	7.400	17.000	0.000	44.706
22	421460	59.666	154.482	.540	7.000	46.000	0.000	11.739
22	421491	59.659	154.314	.490	6.900	34.000	0.000	12.495
22	421462	59.665	154.253	.710	6.900	66.000	0.000	10.758
22	421463	59.668	154.195	.940	7.100	22.000	0.000	42.727
22	421464	59.709	154.245	.810	7.000	34.000	0.000	21.316
22	421465	59.711	154.190	.530	7.100	25.000	0.000	21.200
22	421468	59.723	154.003	.580	6.900	22.000	0.000	26.364
22	421469	59.721	153.938	.670	7.200	34.000	0.000	19.611
22	421470	59.688	153.931	4.370	6.900	20.000	0.000	218.500
22	421472	59.647	153.939	.700	7.000	11.000	0.000	63.636
22	421474	59.603	153.934	.040	7.000	10.000	0.000	4.000
22	421475	59.601	153.995	.180	7.000	10.000	0.000	18.000
22	421477	59.660	153.961	.670	6.900	64.000	0.000	10.469
22	421479	59.544	154.076	.560	7.100	26.000	0.000	21.538
22	421481	59.541	153.993	.720	7.100	8.000	0.000	90.000
22	421483	59.502	153.935	.440	7.100	9.000	0.000	53.333
22	421484	59.478	153.977	.100	7.000	16.000	0.000	6.250
22	421485	59.496	154.051	.020	6.700	15.000	0.000	1.333
22	421486	59.514	154.159	.010	6.400	13.000	0.000	.769
22	421487	59.526	154.193	.050	6.700	20.000	0.000	2.500
22	421488	59.503	154.249	.050	6.700	23.000	0.000	2.174
22	421489	59.443	154.329	.070	6.700	46.000	0.000	1.522
22	421490	59.419	154.393	.340	6.700	40.000	0.000	13.500
22	421491	59.413	154.449	.290	6.400	23.000	0.000	12.609
22	421492	59.421	154.504	.890	6.700	53.000	0.000	16.792
22	421493	59.425	154.611	.050	6.700	58.000	0.000	.862
22	421494	59.434	154.691	.770	6.700	55.000	0.000	14.000
22	421495	59.494	154.734	.580	6.900	23.000	0.000	25.217
22	421496	59.490	154.718	.180	6.800	40.000	0.000	4.500
22	421497	59.446	154.609	.390	6.900	45.000	0.000	8.667
22	421498	59.453	154.534	1.970	6.800	77.000	0.000	24.935
22	421499	59.455	154.447	.840	6.800	83.000	0.000	10.120
22	421500	59.494	154.363	.580	6.800	41.000	0.000	14.146
22	421501	59.510	154.409	.010	6.800	44.000	0.000	.208
22	421502	59.503	154.504	.050	6.700	36.000	0.000	1.667
22	421503	59.492	154.583	.250	6.700	21.000	0.000	11.905

ILLIANA LAKE WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	UPRINT PPH	PH	COND. UMH/CM	SCINT. NET CPS	100COW/COND.
29	421504	59.522	154.567	.050	6.700	16.000	0.000	3.125
29	421505	59.547	154.491	.120	6.800	43.000	0.000	2.791
29	421506	59.549	154.444	.350	6.700	52.000	0.000	6.731
29	421508	59.550	154.279	1.050	6.700	63.000	0.000	16.667
29	421509	59.562	154.264	.170	6.750	67.000	0.000	2.742
29	421510	59.589	154.194	.100	6.700	48.000	0.000	2.083
29	421511	59.620	154.177	1.420	6.700	15.000	0.000	94.667
29	421512	59.619	154.225	.760	6.700	60.000	0.000	12.667
29	421513	59.634	154.304	.360	7.090	25.000	0.000	14.400
29	421515	59.593	154.405	.360	6.900	45.000	0.000	8.000
29	421516	59.641	154.384	.570	7.000	16.000	0.000	35.625
29	421517	59.621	154.436	.320	7.100	8.000	0.000	40.000
29	421518	59.595	154.477	.350	7.000	11.000	0.000	31.818
29	421519	59.596	154.573	.450	6.700	43.000	0.000	10.445
29	421521	59.441	154.772	.690	7.500	50.000	0.000	13.800
29	421522	59.427	154.737	.030	7.100	45.000	0.000	.667
29	421523	59.368	154.641	.290	7.000	16.000	0.000	18.125
29	421524	59.374	154.549	4.770	7.100	29.000	0.000	164.444
29	421525	59.362	154.429	3.080	7.200	24.000	0.000	128.333
29	421526	59.372	154.429	2.390	7.200	22.000	0.000	108.636
29	421527	59.366	154.364	.170	7.200	15.000	0.000	11.333
29	421528	59.355	154.287	.200	7.100	28.000	0.000	7.143
29	421530	59.411	154.287	.260	7.100	19.000	0.000	13.684
29	421531	59.456	154.283	.200	7.100	33.000	0.000	6.061
29	421532	59.467	154.186	.370	7.100	27.000	0.000	13.704
29	421533	59.457	154.064	.200	7.200	10.000	0.000	20.000
29	421534	59.469	153.989	.190	7.100	16.000	0.000	11.875
29	421535	59.456	153.913	.050	7.100	21.000	0.000	2.381
29	421536	59.425	153.927	1.690	7.000	65.000	0.000	26.000
29	421539	59.330	153.523	.250	7.500	120.000	0.000	2.083
29	421543	59.401	153.436	.080	7.200	558.000	0.000	.143
29	421545	59.441	153.803	.050	7.200	48.000	0.000	1.042
29	421547	59.558	153.814	.060	7.200	93.000	0.000	.645
29	421558	59.633	153.556	.230	6.800	72.000	0.000	10.455
29	421562	59.678	153.331	.050	7.100	45.000	0.000	.598
29	421564	59.719	153.253	.390	7.200	65.000	0.000	6.000
29	421565	59.742	153.200	.400	7.300	2.000	0.000	200.000
29	421566	59.761	153.139	.580	7.200	3.000	0.000	193.333
29	421568	59.723	153.034	.460	7.100	11.000	0.000	41.818
29	421575	59.644	153.514	3.990	7.200	9.000	0.000	443.333
29	421579	59.409	153.956	.180	7.100	57.000	0.000	3.158
29	421581	59.384	154.019	1.340	7.100	87.000	0.000	16.341
29	421582	59.343	154.010	.190	7.100	119.000	0.000	1.597
29	421583	59.307	154.128	.170	7.100	80.000	0.000	1.250
29	421587	59.324	154.206	.070	7.200	28.000	0.000	2.500
29	421588	59.334	154.219	.210	7.200	20.000	0.000	10.500
29	421589	59.332	154.364	.060	6.900	17.000	0.000	3.579
29	421590	59.311	154.471	.270	6.900	19.000	0.000	14.711
29	421591	59.337	154.527	.190	6.900	19.000	0.000	10.000
29	421593	59.328	154.680	19.080	6.900	21.000	0.000	907.419

ILLIANA LAKE CATCH

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	IPANUM PPA	PH	COND. UMHNS/CM	SCINT. NET CPS	1000*U/COND.
29	421594	59.368	154.712	.930	6.700	39.000	0.000	21.946
29	421595	59.369	154.771	.400	6.900	27.000	0.000	18.182
29	421596	59.403	154.783	.180	6.700	54.000	0.000	3.333
29	421597	59.408	154.841	.230	7.000	59.000	0.000	3.898
29	421598	59.411	154.948	3.760	7.100	36.000	0.000	104.444
29	421599	59.405	155.014	.190	7.100	56.000	0.000	3.214
29	421600	59.405	155.107	.050	7.200	48.000	0.000	1.042
29	421601	59.411	155.183	.190	7.200	65.000	0.000	5.846
29	421602	59.405	155.266	.040	7.100	115.000	0.000	.348
29	421603	59.377	155.318	.060	7.200	56.000	0.000	1.071
29	421605	59.324	155.369	.420	7.300	30.000	0.000	14.000
29	421606	59.339	155.443	.500	7.200	54.000	0.000	9.259
29	421607	59.315	155.524	.300	7.300	25.000	0.000	17.000
29	421608	59.399	155.579	1.130	7.200	58.000	0.000	19.483
29	421609	59.304	155.704	1.060	7.100	23.000	0.000	46.097
29	421610	59.308	155.800	1.050	7.100	9.000	0.000	116.667
29	421611	59.314	155.857	2.110	7.000	37.000	0.000	57.027
29	421612	59.376	155.905	.450	7.100	36.000	0.000	12.500
29	421613	59.398	155.916	.760	7.100	43.000	0.000	17.674
29	421614	59.400	155.947	.590	7.100	48.000	0.000	12.292
29	421615	59.371	155.961	.180	7.200	22.000	0.000	4.182
29	421616	59.336	155.960	.590	7.100	19.000	0.000	31.053
29	421617	59.293	155.954	1.430	7.100	36.000	0.000	39.722
29	421618	59.236	155.990	.360	7.100	58.000	0.000	5.862
29	421619	59.207	155.971	.090	7.100	122.000	0.000	.738
29	421620	59.170	155.976	.190	7.300	15.000	0.000	12.667
29	421621	59.110	155.957	.120	7.200	20.000	0.000	16.000
29	421622	59.042	155.965	.020	7.100	65.000	0.000	.308
29	421623	59.038	155.984	1.150	7.300	11.000	0.000	104.545
29	421624	59.028	155.925	.170	7.200	9.000	0.000	18.889
29	421629	59.056	155.857	.330	7.100	72.000	0.000	4.583
29	421631	59.126	155.893	.010	7.300	25.000	0.000	.400
29	421632	59.155	155.884	.260	7.200	30.000	0.000	8.667
29	421633	59.171	155.899	.190	7.300	9.000	0.000	21.111
29	421634	59.225	155.913	.630	7.100	62.000	0.000	10.151
29	421635	59.289	155.883	.560	7.200	66.000	0.000	8.445
29	421636	59.299	155.819	.260	7.000	36.000	0.000	7.222
29	421638	59.209	155.813	.160	7.200	21.000	0.000	7.619
29	421639	59.159	155.796	.010	7.100	21.000	0.000	.475
29	421640	59.126	155.790	4.270	7.200	11.000	0.000	388.182
29	421641	59.113	155.738	.420	7.200	4.000	0.000	105.000
29	421642	59.073	155.686	.040	7.100	4.000	0.000	10.000
29	421643	59.067	155.643	.550	7.200	6.000	0.000	91.667
29	421644	59.074	155.603	.800	7.000	37.000	0.000	21.622
29	421645	59.048	155.536	.490	7.100	12.000	0.000	40.833
29	421646	59.066	155.496	.550	7.100	20.000	0.000	27.500
29	421647	59.059	155.431	.610	7.100	19.000	0.000	32.105
29	421648	59.074	155.372	.490	7.100	32.000	0.000	15.313
29	421649	59.017	155.281	1.290	7.100	37.000	0.000	34.859
29	421651	59.031	155.170	.270	7.200	89.000	0.000	3.034

ILLINOIS COAST WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	LEADLINE PPH	PH	COND. UMHNS/CM	SCINT. NET CPS	1000*PH/COND.
20	421652	59.040	155.097	.410	7.200	23.000	0.000	17.426
20	421653	59.021	155.003	.010	7.200	12.000	0.000	.833
20	421654	59.031	154.976	.410	7.100	16.000	0.000	25.425
20	421655	59.042	154.925	.540	7.100	15.000	0.000	38.667
20	421656	59.034	154.899	.590	7.100	16.000	0.000	36.875
20	421657	59.029	154.824	1.650	7.200	18.000	0.000	91.667
20	421658	59.036	154.773	2.730	7.200	16.000	0.000	170.625
20	421659	59.047	154.734	.830	7.200	15.000	0.000	55.333
20	421661	59.053	154.636	.340	7.100	11.000	0.000	30.909
20	421662	59.052	154.575	.230	7.100	12.000	0.000	24.167
20	421664	59.034	154.473	.340	7.100	22.000	0.000	15.455
20	421666	59.062	154.409	.600	7.100	36.000	0.000	16.667
20	421668	59.074	154.316	.170	7.100	44.000	0.000	3.542
20	421669	59.056	154.332	.030	7.100	46.000	0.000	.652
20	421673	59.140	154.526	.190	7.100	36.000	0.000	5.278
20	421674	59.144	154.585	.010	7.200	18.000	0.000	.556
20	421675	59.129	154.610	.020	7.200	5.000	0.000	4.000
20	421676	59.100	154.634	.010	7.100	14.000	0.000	.714
20	421677	59.106	154.701	.010	7.100	18.000	0.000	.556
20	421679	59.184	154.716	.410	7.100	10.000	0.000	41.000
20	421682	59.225	154.862	.220	7.100	20.000	0.000	11.000
20	421685	59.225	154.659	.040	7.100	13.000	0.000	6.154
20	421686	59.267	154.652	.010	7.100	15.000	0.000	.667
20	421687	59.277	154.673	.040	7.200	5.000	0.000	8.000
20	421688	59.288	154.754	.140	7.100	30.000	0.000	4.667
20	421689	59.271	154.852	.010	7.200	3.000	0.000	3.333
20	421690	59.305	154.851	.010	7.000	54.000	0.000	.172
20	421691	59.308	154.815	.340	7.200	14.000	0.000	24.246
20	421693	59.294	154.554	.140	7.000	19.000	0.000	10.000
20	421694	59.244	154.514	.010	6.900	31.000	0.000	.323
20	421695	59.199	154.540	.260	6.900	31.000	0.000	4.387
20	421697	59.190	154.404	.170	7.000	36.000	0.000	4.722
20	421701	59.081	154.237	.140	7.100	44.000	0.000	4.091
20	421707	59.720	154.471	.560	7.000	40.000	0.000	14.000
20	421708	59.009	153.817	1.170	7.200	72.000	0.000	15.556
20	421709	59.016	153.749	.210	7.300	47.000	0.000	4.468
20	421710	59.013	153.560	.310	7.200	39.000	0.000	7.949
20	421711	59.062	153.776	.310	7.100	64.000	0.000	4.844
20	421715	59.111	154.193	.440	7.200	80.000	0.000	10.500
20	421717	59.197	154.220	.030	7.100	74.000	0.000	.405
20	421718	59.208	154.155	.090	7.100	62.000	0.000	1.452
20	421719	59.226	154.143	.090	7.100	99.000	0.000	8.990
20	421720	59.234	154.139	3.490	7.000	144.000	0.000	24.865
20	421722	59.264	154.147	1.210	6.800	92.000	0.000	13.152
20	421723	59.271	154.240	1.300	7.000	29.000	0.000	44.828
20	421726	59.278	154.372	.910	6.900	24.000	0.000	37.917
20	421727	59.295	154.466	.220	6.900	16.000	0.000	13.750
20	421728	59.311	154.943	.080	7.000	5.000	0.000	16.000
20	421729	59.347	155.001	.010	6.700	21.000	0.000	.476
20	421732	59.174	154.954	.910	7.000	22.000	0.000	41.364

ST. JAMES LAKE WATER

SAMPLE TYPE	SAMPLE NO.	LATITUDE	LONGITUDE	IRAN IUM PPM	PH	COND. UMHSC/CM	SCINT. NET CPS	LOG COND/CM.
22	421737	59.138	155.143	1.880	6.950	40.000	0.000	47.000
22	421739	59.090	155.785	.530	6.950	25.000	0.000	21.200
22	421741	59.140	155.447	.740	7.020	8.000	0.000	92.500
22	421743	59.141	155.622	3.700	7.000	22.000	0.000	169.192
22	421744	59.141	155.693	.520	6.900	14.000	0.000	37.143
22	421745	59.177	155.688	.160	6.800	74.000	0.000	5.714
22	421746	59.188	155.659	.580	6.930	35.000	0.000	16.571
22	421747	59.193	155.516	.400	6.930	31.000	0.000	17.903
22	421748	59.208	155.487	.350	6.830	80.000	0.000	3.933
22	421749	59.239	155.441	.230	7.100	10.000	0.000	23.700
22	421750	59.251	155.402	.380	7.090	14.000	0.000	27.143
22	421751	59.227	155.313	.190	6.900	53.000	0.000	3.196
22	421752	59.201	155.700	1.770	7.100	39.000	0.000	45.573
22	421754	59.242	155.172	.090	7.100	13.000	0.000	6.154
22	421755	59.243	155.064	.020	7.100	26.000	0.000	.769
22	421756	59.295	155.050	.140	7.000	24.000	0.000	5.385
22	421757	59.298	155.105	.310	7.100	20.000	0.000	15.500
22	421760	59.330	155.286	.910	7.200	44.000	0.000	.227
22	421761	59.240	155.298	.150	7.200	13.000	0.000	11.538
22	421762	59.283	155.396	.150	7.200	17.000	0.000	12.500
22	421763	59.282	155.434	.290	7.100	21.000	0.000	13.410
22	421764	59.294	155.524	.010	6.900	23.000	0.000	.435
22	421766	59.231	155.599	.190	7.100	82.000	0.000	2.317
22	421767	59.271	155.624	.170	7.100	24.000	0.000	7.083
22	421768	59.252	155.700	.020	6.900	66.000	0.000	.903
22	421769	59.270	155.712	.050	6.900	70.000	0.000	1.285
22	421770	59.363	155.739	.830	6.900	56.000	0.000	14.821
22	421771	59.344	155.122	.110	6.900	25.000	0.000	4.400
22	421772	59.363	155.070	.020	7.000	62.000	0.000	.323
22	421773	59.344	155.061	.470	6.900	31.000	0.000	21.613
22	421774	59.728	154.452	7.110	6.600	44.000	0.000	161.591
22	421775	59.743	154.276	.270	5.500	40.000	0.000	4.490

END