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National Uranium Resource Evaluation

URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE OF THE SKAGWAY NTMS QUADRANGLE, ALASKA

Data Compiled by

Bendix Field Engineering Corporation
Grand Junction, Colorado

Data Collection and Chemical Analysis by

Los Alamos National Laboratory
Los Alamos, New Mexico

September 1981

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

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INTRODUCTION

This report presents results of a Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) of the Skagway 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 and B describe the sample media and summarize the analytical results for each medium. The data were subdivided by one of the Los Alamos National Laboratory (LANL) sorting programs of Zinkl and others (1981a) into groups of stream sediment and lake sediment samples. For each group which contains a sufficient number of observations, statistical tables, tables of raw data, and 1:1000000 scale maps of pertinent elements have been included in this report. In addition, maps showing results of multivariate statistical analyses have been included.

The Skagway 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 and for lake sediments in Table 2. 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). Also tabulated for each variable are the maximum value, the minimum value considered above detection limit, and the maximum detection limit. Variable detection limits account for the fact that the maximum value of the detection limit is occasionally greater than the minimum value considered above the detection limit.

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 and lake sediment are presented as Plates 1 and 2, respectively. Thorium concentrations in stream and lake sediment samples and thorium-to-uranium ratios of stream and lake sediment samples are plotted in Plates 3, 4, 5, and 6. Locations of stream sediment and lake sediment are shown in Plates 7 and 8.

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 2. 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.

When multielement data are provided by LANL, maps of elements considered useful in uranium exploration are included in the data release. Figures 3, 4, 5, and 6 show vanadium in stream sediments, copper in stream sediments, vanadium in lake sediments, and copper in lake sediments, respectively.

Chemical analysis and field data for water samples from this quadrangle were open filed by the DOE Grand Junction Office as GJBX-164(81).

Table 1. Population Statistics for Stream Sediment Data

SKAGWAY STREAM SEDIMENTS

VAR	TOTAL	NADL	NADL	MISS	FOR TOTAL ANALYSES:				FOR ABOVE DETECTION LIMIT ANALYSES:				MAXIMUM	MIN(ADL)	DET.LIM.
					MEAN	STD.DEV.	SKEWNESS	KURTOSIS	MEAN	STD.DEV.	SKEWNESS	KURTOSIS			
1 PM	182	182	0	0	7.49	.60	-1.01	5.89	7.49	.60	-1.01	5.89	9.50	5.30	99999.00
2 MU	182	182	0	0	57.24	78.35	2.74	14.44	57.24	78.35	2.74	14.44	585.00	1.00	99999.00
3 UR	158	158	0	32	6.42	4.90	1.75	6.89	6.42	4.90	1.75	6.89	29.00	1.00	99999.00
4 U	190	190	0	0	5.59	6.45	4.06	26.12	5.59	6.45	4.06	26.12	56.63	.08	99999.00
5 AG	188	1	187	2	2.51	.18	13.60	186.01	5.00	0.00	0.00	0.00	5.00	5.00	5.00
6 RI	188	8	180	2	2.62	.56	4.74	24.25	5.25	.43	1.15	2.33	6.00	5.00	5.00
7 CD	188	10	178	2	2.79	1.38	6.41	51.62	7.00	3.06	1.90	5.31	16.00	5.00	5.00
8 CU	198	168	20	2	48.35	44.68	1.97	8.87	53.51	44.54	1.98	8.94	306.00	10.00	10.00
9 NR	188	0	188	2	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	10.00	20.00
10 NI	198	103	85	2	25.80	25.45	2.04	7.94	40.89	25.04	1.93	6.64	149.00	15.00	15.00
11 PR	188	96	102	2	6.23	5.71	2.43	12.11	10.66	5.92	2.39	11.87	43.00	5.00	5.00
12 SN	188	1	187	2	5.04	.51	3.60	196.01	12.00	0.00	0.00	0.00	12.00	12.00	10.00
13 W	198	11	177	2	8.19	2.92	4.57	24.81	19.77	3.96	1.26	3.74	29.00	15.00	15.00
14 RE	0	0	0	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99999.00
15 LI	0	0	0	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99999.00
16 AL	190	190	0	0	67644.58	11159.60	-7.74	3.92	67644.58	11159.60	-7.74	3.92	97060.00	29260.00	99999.00
17 AU	190	2	188	0	.06	.04	4.27	33.06	.18	.09	0.00	1.00	.27	.09	.08
18 RA	190	168	22	0	861.76	519.05	.59	3.39	955.74	474.47	.77	3.85	2999.00	241.00	1728.00
19 CA	190	189	1	0	39580.41	18934.15	1.39	6.31	39755.92	18829.41	1.42	6.38	123500.00	5081.00	12820.00
20 CE	190	185	5	0	74.65	54.09	1.81	6.81	76.34	53.77	1.85	6.84	329.00	16.00	51.00
21 CL	190	22	168	0	93.61	60.01	2.94	11.94	232.91	66.32	.92	4.55	430.00	121.00	145.00
22 CO	188	125	3	2	15.02	11.19	1.75	8.32	15.26	11.12	1.79	8.47	72.30	1.90	.80
23 CR	190	156	34	0	56.27	53.14	3.08	19.03	66.92	52.72	3.4	20.75	415.00	11.00	139.00
24 CS	190	23	167	0	1.37	1.35	3.52	16.33	4.02	1.91	.62	2.81	8.80	1.10	2.00
25 DY	190	189	1	0	5.21	1.77	1.46	7.61	5.20	1.76	1.49	7.73	15.00	2.00	15.00
26 FU	190	186	4	0	1.47	.43	.41	4.12	1.49	.40	.73	4.10	3.00	.60	4.60
27 FE	190	190	0	0	48880.16	23590.26	1.72	8.89	48480.16	23590.26	1.72	8.89	166100.00	12110.00	99999.00
28 HF	190	183	7	0	8.79	9.19	3.44	19.70	9.05	9.26	3.47	19.48	72.90	1.90	15.00
29 K	190	145	45	0	10720.31	5819.61	.38	3.44	13111.28	4401.45	1.17	6.11	34920.00	5004.00	27500.00
30 LA	190	152	38	0	41.52	36.25	1.68	5.92	49.23	36.45	1.60	5.46	203.00	8.00	77.00
31 LU	190	176	14	0	.33	.13	.40	3.21	.35	.12	.61	3.12	.70	.10	1.50
32 MG	190	183	7	0	12395.87	6659.23	1.51	8.39	12791.07	6454.38	1.71	9.13	49160.00	3416.00	13550.00
33 MN	190	190	0	0	1024.48	369.05	.65	3.71	1024.48	369.06	.65	3.71	2365.00	289.00	99999.00
34 NA	190	190	0	0	21139.58	6480.48	.11	3.37	21139.58	6480.48	.11	3.37	44130.00	6085.00	99999.00
35 RA	190	10	180	0	26.21	21.12	6.21	89.46	64.10	19.59	.49	2.35	98.00	36.00	48.00
36 SB	190	8	182	0	1.93	1.48	2.98	14.26	6.63	2.12	-.29	2.22	10.00	3.00	2.00
37 SC	190	190	0	0	17.57	9.58	2.87	17.87	17.57	9.58	2.87	17.87	81.90	4.40	99999.00
38 SM	190	173	17	0	6.17	4.10	1.64	6.20	6.60	4.04	1.70	6.27	23.70	1.60	8.30
39 SR	189	56	133	1	304.03	219.36	1.60	5.00	502.91	180.34	1.19	4.22	1104.00	314.00	382.00
40 TA	190	4	186	0	.69	.59	8.55	96.28	1.75	.43	-1.15	2.33	2.00	1.00	1.00
41 TH	188	57	131	2	.83	.69	3.38	19.67	1.44	.65	1.57	5.73	4.00	1.00	1.00
42 TH	190	176	14	0	10.03	10.82	2.03	7.11	10.72	10.94	1.97	6.78	51.70	1.10	14.90
43 TI	170	169	1	0	4464.55	2310.34	3.75	31.67	4471.18	2314.69	3.74	31.56	24640.00	1254.00	6423.00
44 V	190	190	0	0	146.59	94.12	1.56	7.88	146.59	94.12	1.54	7.88	619.00	18.00	99999.00
45 YR	190	135	52	0	3.62	2.19	1.37	5.99	4.42	1.92	1.91	7.98	13.00	1.60	20.20
46 YR	190	68	122	0	92.48	141.01	3.53	17.70	207.51	183.95	2.40	8.52	932.00	42.00	53.00
47 TU	176	176	0	14	2.12	1.33	1.59	9.49	2.12	1.33	1.69	8.49	9.82	.15	99999.00

NUMBER OF SAMPLES = 100

Table 2. Population Statistics for Lake Sediment Data

SKAGWAY LAKE SEDIMENTS

VAP	TOTAL	NADL	NADL	MISS	FOR TOTAL ANALYSES				FOR ABOVE DETECTION LIMIT ANALYSES				MAXIMUM	MINIMUM	DET. LIM.
					MEAN	STD. DEV.	SKEWNESS	KURTOSIS	MEAN	STD. DEV.	SKEWNESS	KURTOSIS			
1 PH	153	153	0	3	7.37	.87	-.67	5.01	7.37	.87	-.67	5.01	10.80	4.40	99999.00
2 MJ	152	152	0	4	48.63	82.97	2.41	8.21	48.63	82.97	2.41	8.21	383.00	3.00	99999.00
3 HR	0	0	0	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99999.00
4 U	156	156	0	0	5.75	5.78	2.79	13.17	5.75	5.78	2.79	13.17	40.00	.42	99999.00
5 AG	152	0	152	4	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	2.50	5.00
6 BI	152	4	148	4	2.64	.90	6.87	50.66	7.75	1.92	-.28	1.57	10.00	5.00	5.00
7 CO	152	3	149	4	2.56	.40	7.22	54.70	5.33	.47	.71	1.50	6.00	5.00	5.00
8 CU	152	127	25	4	44.88	68.56	4.93	35.10	52.73	72.46	4.71	31.53	611.00	10.00	10.00
9 NR	152	0	152	4	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	10.00	20.00
10 NI	152	62	90	4	18.78	22.15	3.34	16.64	35.15	27.39	2.42	9.35	19.00	15.00	15.00
11 PB	152	79	73	4	11.65	49.59	11.48	137.66	20.11	67.69	8.31	72.03	608.00	5.00	5.00
12 SN	152	2	150	4	6.60	17.94	12.04	147.08	126.50	99.50	0.00	1.00	226.00	27.00	10.00
13 W	152	2	150	4	7.63	1.09	8.69	77.33	17.00	1.00	0.00	1.00	18.00	16.00	15.00
14 RE	0	0	0	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99999.00
15 LI	0	0	0	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99999.00
16 AL	156	156	0	0	63512.83	19654.76	-1.27	4.03	63512.83	19654.76	-1.27	4.03	102300.00	4742.00	99999.00
17 AU	156	2	154	0	.08	.05	5.97	56.98	.40	.31	0.00	1.00	.71	.09	.07
18 RA	156	128	28	0	931.98	517.12	.34	2.31	982.70	445.98	.41	2.56	2225.00	184.00	244.00
19 CA	156	149	7	0	36509.86	39508.96	6.13	47.56	38158.34	38624.91	6.27	48.08	353600.00	1022.00	3079.00
20 CF	154	144	10	2	67.53	56.54	3.16	18.45	71.88	55.92	3.36	19.43	416.00	8.00	6.00
21 CL	156	26	130	0	120.77	111.90	2.94	11.96	332.58	142.53	.95	3.33	700.00	114.00	116.00
22 CO	152	124	28	4	9.92	9.10	1.60	7.37	12.10	9.71	1.78	8.28	58.90	1.90	.10
23 CR	154	116	38	2	48.74	51.39	2.82	15.73	62.38	52.44	2.90	15.71	393.00	14.00	15.00
24 CS	154	21	133	2	1.34	.85	3.04	14.11	2.95	1.27	1.08	3.07	5.40	1.50	1.90
25 DY	156	139	17	0	4.65	1.96	.58	3.58	5.05	1.67	1.30	8.18	14.00	1.00	2.00
26 EU	154	141	13	2	1.39	.64	2.00	16.96	1.50	.56	3.55	27.21	5.80	.50	.30
27 FE	154	154	0	2	37959.21	18489.86	.43	2.71	37559.21	18489.86	.43	2.71	92340.00	4428.00	99999.00
28 HF	154	124	26	2	7.72	7.38	3.01	19.00	9.09	7.38	3.22	18.95	58.90	1.40	1.30
29 K	156	112	44	0	11044.97	6535.62	.33	2.98	14320.10	4616.00	1.17	5.75	33600.00	5616.00	3852.00
30 LA	154	93	61	2	36.37	36.90	2.89	15.60	52.18	39.87	2.72	13.53	271.00	11.00	9.00
31 LU	154	116	38	2	.28	.16	.85	4.84	.34	.13	1.60	7.77	1.00	.20	.10
32 MG	156	139	18	0	10640.65	6501.82	1.17	5.83	11938.20	5945.32	1.60	7.14	42050.00	3333.00	2174.00
33 PN	156	156	0	0	824.95	465.92	.99	4.69	824.95	465.92	.99	4.69	2841.00	98.00	99999.00
34 NA	156	156	0	0	19093.99	7603.27	-.31	2.55	19093.99	7603.27	-.31	2.55	37730.00	1470.00	99999.00
35 RB	154	17	137	2	33.40	23.51	2.41	12.63	89.76	29.44	.79	3.78	165.00	38.00	50.00
36 SA	154	1	153	2	2.16	1.13	.67	2.88	4.00	0.00	0.00	0.00	4.00	4.00	2.00
37 SC	154	154	0	2	14.57	7.81	1.13	4.81	14.57	7.81	1.13	4.81	45.60	1.30	99999.00
38 SM	154	129	25	2	5.71	4.27	2.10	11.40	6.58	4.13	2.38	12.95	31.90	.90	1.80
39 SR	156	46	110	0	313.15	228.10	2.03	7.08	600.70	235.44	1.88	3.92	1258.00	207.00	331.00
40 TA	154	9	145	2	.80	.48	2.11	5.19	1.89	.74	.14	1.85	3.00	1.00	2.00
41 TB	154	21	133	2	.74	.59	3.92	23.31	1.81	.96	1.69	6.33	5.00	1.00	1.00
42 TH	154	132	22	2	9.36	10.65	3.82	24.35	10.76	10.89	3.45	23.82	87.70	1.70	1.20
43 TI	156	144	12	0	4108.42	2341.44	1.43	8.59	4405.24	2185.53	2.13	10.38	16430.00	811.00	527.00
44 V	156	152	4	0	108.13	69.75	1.05	3.93	110.85	64.60	1.10	4.00	362.00	12.00	10.00
45 Y	154	88	66	2	3.24	1.97	1.58	7.52	4.42	1.45	2.09	8.75	13.10	2.40	1.70
46 ZH	154	57	97	2	77.15	98.67	3.27	16.45	161.42	119.14	2.46	9.32	652.00	47.00	49.00
47 TU	132	132	0	24	1.94	1.19	2.21	12.14	1.98	1.19	2.21	12.14	9.01	.22	99999.00

NUMBER OF SAMPLES = 156

SKAGWAY STREAM SEDIMENTS

Figure 1. Uranium versus Thorium, Stream Sediments

SKAGWAY LAKE SEDIMENTS

Figure 2. Uranium versus Thorium, Lake Sediments

SKAGWAY STREAM SEDIMENTS - VANADIUM (PPM)

Figure 3. Vanadium (ppm) in Stream Sediments

Figure 4. Copper (ppm) in Stream Sediments

Figure 5. Vanadium (ppm) in Lake Sediments

Figure 6. Copper (ppm) in Lake Sediments

MULTIVARIATE STATISTICAL ANALYSES

Stream-sediment and lake-sediment analyses were edited by the FACEDT computer program (Shettell 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 is shown in Tables 3 through 6. The edited data sets are logarithmically transformed prior to the application of statistical methods.

R-mode factor analysis (Tables 7 and 8) 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 9 and 10) 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 7 through 14.

Table 3. Stream Sediment Data Before Editing

SKAGWAY STREAM SEDIMENTS						
VAR	# MISSING	%	#	BOL	%	MEAN STD DEV
1 PH	8	4.21	0	0.00	7.49	.60
2 MU	8	4.21	0	0.00	57.24	78.35
3 UR	32	16.84	0	0.00	6.42	4.90
4 U	0	0.00	0	0.00	5.59	6.45
5 AG	2	1.05	187	98.42	2.51	.18
6 BI	2	1.05	180	94.74	2.62	.56
7 CD	2	1.05	178	93.68	2.78	1.38
8 CU	2	1.05	20	10.53	48.35	44.68
9 NP	2	1.05	188	98.95	10.00	0.00
10 NI	2	1.05	85	44.74	25.80	25.45
11 PR	2	1.05	102	53.68	6.23	5.71
12 SN	2	1.05	187	98.42	5.04	.51
13 W	2	1.05	177	93.16	8.19	2.92
14 BE	190	100.00	0	0.00	0.00	0.00
15 LI	190	100.00	0	0.00	0.00	0.00
16 AL	0	0.00	0	0.00	67644.58	11150.60
17 AU	0	0.00	188	98.95	.06	.04
18 HA	0	0.00	22	11.58	861.76	519.05
19 CA	0	0.00	1	.53	39580.41	19934.15
20 CE	0	0.00	5	2.63	74.65	54.09
21 CL	0	0.00	168	88.42	93.61	60.01
22 CO	2	1.05	3	1.58	15.02	11.19
23 CR	0	0.00	34	17.89	56.27	53.14
24 CS	0	0.00	167	87.89	1.37	1.35
25 OY	0	0.00	1	.53	5.21	1.77
26 EU	0	0.00	4	2.11	1.47	.43
27 FE	0	0.00	0	0.00	48880.16	23590.26
28 HF	0	0.00	7	3.69	8.70	9.19
29 K	0	0.00	45	23.68	10720.31	5819.61
30 LA	0	0.00	38	20.00	41.52	36.25
31 LU	0	0.00	14	7.37	.33	.13
32 MG	0	0.00	7	3.69	12395.87	6659.23
33 MN	0	0.00	0	0.00	1024.48	369.06
34 NA	0	0.00	0	0.00	21139.58	6480.48
35 RR	0	0.00	180	94.74	26.21	21.12
36 SR	0	0.00	182	95.70	1.93	1.48
37 SC	0	0.00	0	0.00	17.57	9.58
38 SM	0	0.00	17	8.95	5.17	4.10
39 SR	1	.53	133	70.00	304.03	219.36
40 TA	0	0.00	186	97.89	.69	.59
41 TR	2	1.05	131	68.95	.83	.65
42 TH	0	0.00	14	7.37	10.03	10.82
43 TI	0	0.00	1	.53	4464.55	2310.38
44 V	0	0.00	0	0.00	146.58	94.12
45 YR	0	0.00	52	27.37	3.62	2.19
46 ZN	0	0.00	122	64.21	92.48	141.01
47 TU	14	7.37	0	0.00	2.12	1.33

TOTAL NUMBER OF SAMPLES = 190

Table 4. Stream Sediment Data After Editing

SKAGWAY STREAM SEDIMENTS						
VAR	# MISSING	%	# BCL	%	MEAN	STD DEV
1 PH	0	0.00	0	0.00	7.46	.61
2 MU	0	0.00	0	0.00	58.88	81.14
3 UR	0	0.00	0	0.00	6.43	4.98
4 UJ	0	0.00	0	0.00	5.27	5.46
5 CU	0	0.00	12	8.63	47.91	36.67
6 NI	0	0.00	51	36.69	28.50	26.79
7 AL	0	0.00	0	0.00	67339.50	10498.92
8 BA	0	0.00	13	9.35	864.27	535.25
9 CA	0	0.00	0	0.00	41194.59	19532.04
10 CE	0	0.00	0	0.00	69.93	43.52
11 CD	0	0.00	0	0.00	15.36	8.91
12 CR	0	0.00	20	14.33	63.04	57.06
13 DY	0	0.00	0	0.00	5.26	1.80
14 EU	0	0.00	0	0.00	1.51	.40
15 FE	0	0.00	0	0.00	49028.85	17992.55
16 HF	0	0.00	1	.72	8.54	9.72
17 K	0	0.00	30	21.58	10264.52	5191.83
18 LA	0	0.00	26	18.71	37.69	29.90
19 LU	0	0.00	6	4.32	.34	.12
20 MG	0	0.00	2	1.44	12663.33	5469.29
21 MN	0	0.00	0	0.00	1047.09	351.79
22 NA	0	0.00	0	0.00	21086.58	6425.98
23 SC	0	0.00	0	0.00	17.44	6.81
24 SM	0	0.00	9	6.47	5.95	3.54
25 TH	0	0.00	0	0.00	8.95	9.19
26 TI	0	0.00	0	0.00	4651.70	2373.80
27 V	0	0.00	0	0.00	152.05	79.07
28 YR	0	0.00	34	24.46	3.52	1.95
29 TIJ	0	0.00	0	0.00	1.91	1.20
TOTAL NUMBER OF SAMPLES = 139						

Table 5. Lake Sediment Data Before Editing

SKAGWAY LAKE SEDIMENTS						
VAR	# MISSING	%	# RDL	%	MEAN	STD DEV
1 PH	3	1.92	0	0.00	7.37	.87
2 MU	4	2.56	0	0.00	48.63	82.97
3 UR	156	100.00	0	0.00	0.00	0.00
4 U	0	0.00	0	0.00	5.75	5.79
5 AG	4	2.56	152	97.44	2.50	0.00
6 BI	4	2.56	148	94.87	2.64	.90
7 CD	4	2.56	149	95.51	2.56	.40
8 CU	4	2.56	25	16.03	44.88	68.55
9 NR	4	2.56	152	97.44	10.00	0.00
10 NI	4	2.56	90	57.69	18.78	22.15
11 PB	4	2.56	73	46.79	11.65	49.59
12 SN	4	2.56	150	96.15	6.60	17.94
13 W	4	2.56	150	96.15	7.63	1.09
14 RE	156	100.00	0	0.00	0.00	0.00
15 LI	156	100.00	0	0.00	0.00	0.00
16 AL	0	0.00	0	0.00	63512.83	10654.76
17 AU	0	0.00	154	98.72	.08	.06
18 RA	0	0.00	28	17.95	831.98	517.12
19 CA	0	0.00	7	4.49	36509.86	38506.96
20 CE	2	1.28	10	6.41	67.53	56.54
21 CL	0	0.00	130	83.33	120.77	111.80
22 CT	4	2.56	28	17.95	9.92	9.10
23 CP	2	1.28	38	24.36	48.74	51.39
24 CS	2	1.28	133	85.26	1.34	.85
25 DY	0	0.00	17	10.90	4.65	1.96
26 EU	2	1.28	13	.33	1.39	.64
27 FE	2	1.28	0	0.00	37959.21	18489.86
28 HF	2	1.28	26	16.67	7.72	7.38
29 K	0	0.00	44	28.21	11044.97	6535.62
30 LA	2	1.28	61	39.10	36.37	36.90
31 LU	2	1.28	38	24.36	.28	.16
32 MG	0	0.00	18	11.54	10640.65	6501.82
33 MN	0	0.00	0	0.00	824.95	465.92
34 NA	0	0.00	0	0.00	19093.99	7603.27
35 PA	2	1.28	127	87.82	33.40	23.51
36 SA	2	1.28	153	98.09	2.16	1.13
37 SC	2	1.28	0	0.00	14.57	7.81
38 SM	2	1.28	25	16.03	5.71	4.27
39 SR	0	0.00	110	70.51	313.15	228.10
40 TA	2	1.28	145	92.95	.90	.48
41 TB	2	1.28	133	85.26	.74	.58
42 TH	2	1.28	22	14.10	9.36	10.65
43 TI	0	0.00	12	7.69	4106.42	2341.48
44 V	0	0.00	4	2.56	108.13	69.76
45 YA	2	1.28	66	42.21	3.26	1.97
46 ZN	2	1.28	97	62.18	79.15	96.67
47 TU	24	15.38	0	0.00	1.98	1.19

TOTAL NUMBER OF SAMPLES = 156

Table 6. Lake Sediment Data After Editing

SKAGWAY LAKE SEDIMENTS						
VAR	# MISSING	%	# BDL	%	MEAN	STD DEV
1 PH	0	0.00	0	0.00	7.34	.95
2 MU	0	0.00	0	0.00	38.11	70.39
3 U	0	0.00	0	0.00	5.08	5.79
4 CU	0	0.00	21	17.07	35.91	41.09
5 PB	0	0.00	50	40.65	13.24	54.94
6 AL	0	0.00	0	0.00	59771.63	11174.01
7 BA	0	0.00	7	5.69	940.52	472.59
8 CA	0	0.00	1	.81	34760.50	17436.46
9 CE	0	0.00	0	0.00	74.88	56.45
10 CO	0	0.00	12	9.76	10.64	8.00
11 CR	0	0.00	23	18.70	54.32	54.00
12 DY	0	0.00	1	.81	5.13	1.67
13 EU	0	0.00	1	.81	1.49	.42
14 FE	0	0.00	0	0.00	41072.68	16161.90
15 HF	0	0.00	5	4.07	9.87	7.57
16 K	0	0.00	21	17.07	12062.06	5574.11
17 LA	0	0.00	39	31.71	39.30	37.89
18 LU	0	0.00	17	13.82	.31	.15
19 MG	0	0.00	5	4.07	11594.26	5636.44
20 MN	0	0.00	0	0.00	911.63	427.55
21 NA	0	0.00	0	0.00	20959.09	5887.13
22 SC	0	0.00	0	0.00	15.60	6.82
23 SM	0	0.00	11	9.04	5.33	4.27
24 TH	0	0.00	0	0.00	10.43	10.95
25 TI	0	0.00	0	0.00	4554.44	2122.41
26 V	0	0.00	0	0.00	117.86	62.36
27 YB	0	0.00	41	33.33	3.53	2.01
28 TU	0	0.00	0	0.00	1.93	1.02
TOTAL NUMBER OF SAMPLES = 123						

FACTOR ANALYSIS (CASE 2)
 SKAWEY STREAM SEDIMENTS
 NUMBER OF SAMPLES 139
 NUMBER OF VARIABLES 29

Table 7. R-mode Factor Analysis of Stream Sediment Data

CORRELATION COEFFICIENTS

	PH	MU	UR	U	CU	NI	AL	BA	CA	CE	CO	CR	DY	FU	FE
PH	1.000														
MU	-.076	1.000													
UR	-.044	-.083	1.000												
U	-.052	-.148	.272	1.000											
CU	.137	.422	-.189	-.235	1.000										
NI	.160	.432	-.128	-.102	.584	1.000									
AL	-.180	-.395	.094	.005	-.242	-.401	1.000								
BA	.058	.014	.152	.257	-.120	.220	-.124	1.000							
CA	.043	.022	-.139	-.256	-.024	-.134	-.204	-.408	1.000						
CE	.003	-.345	.469	.475	-.414	-.305	.226	.231	-.175	1.000					
CO	.104	.419	-.265	-.339	.645	.642	-.311	-.368	.288	-.429	1.000				
CR	.056	.312	-.133	-.155	.361	.778	-.357	-.047	.063	-.258	.697	1.000			
DY	-.020	-.035	.300	.435	.058	.082	-.064	.239	-.165	.586	-.091	-.084	1.000		
FU	.113	-.113	.009	.052	.086	.009	.112	.116	-.053	.373	-.029	-.169	.373	1.000	
FE	.103	.375	-.267	-.284	.642	.489	-.211	-.329	.218	-.354	.802	.404	.007	.322	1.000
HF	.050	-.259	.325	.448	-.344	-.307	.197	.067	-.032	.660	-.309	-.295	.307	.481	-.110
K	-.054	-.166	.189	.215	-.360	-.284	.254	.443	-.406	.343	-.564	-.313	.087	-.125	-.568
LA	.026	-.314	.516	.556	-.440	-.290	.145	.278	-.229	.936	-.481	-.255	.560	.291	-.423
LU	.046	-.029	.172	.319	.017	.041	-.088	.004	-.054	-.52	-.008	-.080	.646	.441	.213
MG	.074	.279	-.260	-.225	.345	.528	-.194	-.354	.382	-.364	.791	.731	-.194	-.170	.572
MN	-.061	.125	-.175	-.207	.465	.121	.123	-.492	.283	-.203	.505	.122	.080	.361	.697
NA	-.159	-.366	.026	-.131	-.277	-.600	.697	-.263	-.091	.159	-.397	-.497	-.158	.093	-.304
SC	.085	.309	-.234	-.225	.469	.487	-.238	.326	.270	-.227	.828	.609	-.004	.097	.755
SM	.045	-.303	.439	.493	-.294	-.219	.155	.233	-.198	.910	-.367	-.222	.611	.445	-.236
TH	-.039	-.318	.492	.501	-.458	-.327	.178	.200	-.195	.910	-.459	-.225	.562	.077	-.479
TI	.061	.044	-.042	-.166	.181	.052	-.013	-.288	.219	-.042	.402	.083	-.012	.191	.526
V	.119	.429	-.256	-.283	.766	.593	-.318	-.184	.199	-.483	.720	.391	.077	.204	.819
YB	.064	-.114	.340	.334	-.224	-.115	.014	.065	-.127	.683	-.183	-.166	.624	.331	-.072
TU	-.149	-.325	.211	-.175	-.383	-.395	.309	-.036	.009	.540	-.293	-.204	.119	.028	-.338

	HF	K	LA	LU	MG	MN	NA	SC	SM	TH	TI	V	YB	TU
HF	1.000													
K	.102	1.000												
LA	.661	.365	1.000											
LU	.484	-.120	.423	1.000										
MG	-.266	-.455	-.420	-.115	1.000									
MN	-.044	-.512	-.324	.195	.391	1.000								
NA	.247	.232	.124	-.043	-.443	.038	1.000							
SC	-.109	-.527	-.279	.157	.719	.439	-.359	1.000						
SM	.637	.264	.979	.529	-.368	-.166	.086	-.148	1.000					
TH	.527	.428	.898	.403	-.357	-.353	.133	-.277	.826	1.000				
TI	.078	-.389	-.117	.042	.331	.499	-.001	.435	-.080	-.207	1.000			
V	-.274	-.516	-.508	.142	.491	.610	-.354	.575	-.377	-.557	.352	1.000		
YB	.581	.169	.699	.707	-.230	-.090	.047	-.066	.679	.657	-.050	-.163	1.000	
TU	.144	.244	.440	.053	-.210	-.176	.349	-.155	.405	.597	-.030	-.466	.294	1.000

Table 7. R-mode Factor Analysis of Stream Sediment Data
(continued)

EIGENVALUES CPTV ELEMENTS	FACTOR				
	1	2	3	4	5
	9.45245	4.63618	2.94751	1.83306	1.33221
	.32595	.48581	.58745	.65066	.69660
		UNROTATED	FACTOR	LOADINGS	
PH	-.08298	.15160	.12580	.06060	-.33730
MU	-.48232	.12606	.33887	.09528	.07258
UR	.46474	.20549	.11574	-.13662	.08227
U	.49100	.30280	.30449	.09903	-.24224
CU	-.66478	.28609	.10671	.32845	.25267
NI	-.59660	.35214	.55085	.01297	.25490
AL	.35666	-.21228	-.53694	.10741	.49350
RA	.33280	-.01215	.65999	.29094	.09810
CA	-.31387	.03724	-.37779	-.39964	-.53078
CE	.80638	.48641	-.04062	-.17549	.08837
CO	-.83118	.38606	-.02348	-.22413	.14168
CR	-.58409	.26712	.37955	-.43491	.25007
DY	.37721	.69047	.16614	.16882	.07736
EU	.14931	.55896	-.29327	.47249	.00219
FE	-.73453	.52284	-.22492	.15010	.06761
HF	.57039	.46784	-.23666	.06357	-.22278
K	.59705	-.28591	.28922	.07969	.28526
LA	.82988	.44200	.08076	-.15451	.00615
LU	.25136	.72129	-.07353	.18165	-.11383
MG	-.71540	.24578	-.06677	-.48495	.06001
MN	-.49642	.38458	-.56840	.21479	.08893
NA	.39592	-.32267	-.65210	.16571	.26589
SC	-.65176	.50926	-.10283	-.29291	.10864
SM	.73061	.56684	.00754	-.06140	.04988
TH	.82355	.36637	.08487	-.32019	.10869
TI	-.33158	.33430	-.45992	-.05394	-.03942
V	-.77142	.39732	-.02031	.30269	.04130
YB	.53952	.61500	-.06309	-.05238	-.01659
TU	.50356	-.00476	-.29757	-.46682	.35662

Table 8. R-mode Factor Analysis of Lake Sediment Data

FACTOR ANALYSIS (CASE 2)
SKAGWAY LAKE SEDIMENTS
NUMBER OF SAMPLES 123
NUMBER OF VARIABLES 28

CORRELATION COEFFICIENTS

	PH	MU	U	CU	PB	AL	BA	CA	CE	CO	CR	DY	EU	FE	HF
PH	1.000														
MU	.095	1.000													
U	.015	-.071	1.000												
CU	.131	.100	-.221	1.000											
PB	.021	.019	.251	.084	1.000										
AL	-.131	-.306	-.051	-.056	-.158	1.000									
BA	.115	-.083	.170	-.370	.024	.016	1.000								
CA	.056	.348	-.279	.208	-.140	-.139	-.189	1.000							
CE	-.113	-.250	.298	-.272	-.035	.040	.140	-.059	1.000						
CO	-.072	.280	-.235	.492	-.077	-.097	-.312	.535	-.166	1.000					
CR	-.092	.185	-.059	.246	-.073	-.264	-.102	.208	-.089	.668	1.000				
DY	-.167	-.168	.214	-.044	.042	.138	-.027	.134	.717	.204	.141	1.000			
EU	-.176	-.252	-.026	-.077	-.125	.257	.118	.211	.368	.096	.032	.385	1.000		
FE	-.101	.174	-.164	.429	-.118	.037	-.292	.421	-.084	.819	.511	.241	.350	1.000	
HF	-.050	-.279	.284	-.305	-.040	.153	.110	-.151	.795	-.288	-.176	.554	.384	-.133	1.000
K	.120	-.222	.197	-.280	.058	.452	.324	-.374	.198	-.364	-.276	.044	-.045	-.306	.319
LA	-.130	-.202	.374	-.277	-.018	.031	.144	-.084	.912	-.177	-.077	.614	.280	-.153	.772
LU	-.105	-.147	.108	.035	-.121	.124	-.121	.093	.610	.176	.110	.644	.451	.348	.528
MG	-.056	.360	-.229	.317	-.129	-.178	-.137	.566	-.189	.870	.694	.108	.104	.731	-.297
MN	-.101	.042	.030	.254	-.176	.158	-.352	.369	.168	.490	.121	.310	.334	.636	.025
NA	-.091	-.265	-.245	-.019	-.139	.705	-.218	-.042	.076	-.259	-.423	-.036	.134	-.183	.146
SC	-.057	.135	-.161	.254	-.125	-.148	-.263	.412	.075	.714	.543	.380	.331	.794	-.017
SM	-.180	-.241	.337	-.224	-.069	.017	.085	.028	.865	-.075	-.006	.688	.476	.068	.674
TH	-.116	-.210	.156	-.266	-.007	.018	.138	-.110	.950	-.171	-.048	.712	.217	-.136	.729
TI	-.153	-.054	-.056	.224	-.079	-.026	-.161	.284	.085	.511	.397	.307	.430	.614	.208
V	.073	.272	-.277	.568	-.087	-.143	-.275	.378	-.306	.770	.568	.113	.182	.782	-.305
YA	-.066	-.177	.165	-.108	-.018	.009	.024	-.024	.783	-.061	-.022	.644	.345	-.001	.703
TU	-.181	-.240	-.215	-.170	-.149	.139	.049	.021	.713	-.132	-.138	.460	.332	-.048	.527

	K	LA	LU	MG	MN	NA	SC	SM	TH	TI	V	YA	TU
K	1.000												
LA	.160	1.000											
LU	-.003	.502	1.000										
MG	-.341	-.225	.069	1.000									
MN	-.318	.155	.467	.335	1.000								
NA	.320	.070	.122	-.409	.089	1.000							
SC	-.385	-.063	.411	.660	.504	-.318	1.000						
SM	.069	.795	.637	-.108	.330	.034	.194	1.000					
TH	.245	.874	.562	-.172	.077	-.000	.037	.937	1.000				
TI	-.229	.044	.241	.521	.362	-.173	.515	.197	-.006	1.000			
V	-.487	-.323	.157	.689	.454	-.296	.677	-.199	-.338	.471	1.000		
YA	.190	.768	.608	-.109	.181	.106	.124	.723	.762	.147	-.125	1.000	
TU	.122	.590	.474	-.173	.095	.272	-.064	.636	.689	.045	-.274	.409	1.000

Table 8. R-mode Factor Analysis of Lake Sediment Data
(continued)

EIGENVALUES CPTV ELEMENTS	FACTOR				
	1	2	3	4	5
	7.43007	6.51644	2.40997	1.43511	1.35527
	.26536	.49809	.58416	.63541	.68382
		UNROTATED	FACTOR	LOADINGS	
PH	.13517	.15541	.15705	-.07718	.10615
MU	.40419	-.12276	.31709	-.36558	-.05649
U	-.35632	.10048	.46368	.42806	.40747
CU	.43274	-.34257	-.16167	-.08925	.46361
PB	.01059	.15963	.32578	.19349	.51477
AL	-.22204	.09299	-.76901	.36526	.00468
BA	-.22774	.28950	.30807	.37437	-.54173
CA	.27293	-.52049	-.07124	-.36652	-.20996
CE	-.90634	-.30669	.13941	-.10514	-.00612
CO	.47117	-.78381	-.00111	.04355	.00491
CR	.33173	-.57685	.31613	.19096	-.15268
DY	-.59206	-.58682	.07628	.08453	.09751
EU	-.34249	-.47166	-.30060	.28045	-.26300
FE	.33677	-.83192	-.15920	.20168	.04039
HF	-.83463	-.16919	.02698	.07373	-.00457
K	-.40401	.39834	-.16314	.40622	-.06949
LA	-.86160	-.23684	.18995	-.10257	.04690
LU	-.53063	-.59261	-.13363	-.01785	.14801
MG	.48719	-.71560	.15053	.08822	-.23398
MN	-.00207	-.66624	-.30123	-.04977	.27927
NA	-.26228	.22759	-.83308	-.12020	.11224
SC	.19333	-.83751	.04661	.05220	-.05290
SM	-.80642	-.42384	.10684	-.04452	.01198
TH	-.88027	-.25078	.23549	-.11218	.02603
TI	.07321	-.67188	-.05797	.32262	-.08572
V	.55781	-.69153	-.02593	.08261	.08213
YB	-.76022	-.36163	.07320	-.13905	.07121
TU	-.69049	-.23319	-.19519	-.35992	-.23760

Table 9. Regression Analysis Results, Stream Sediment

MULTIPLE REGRESSION ANALYSIS

PROBLEM SKAGWAY STREAM

OBSERVATIONS 139

PROBLEM SKAGWAY STREAM

STEPWISE REGRESSION CASE 1

DEPENDENT VARIABLE 4

F-LEVEL TO ENTER 5.00000

F-LEVEL TO REMOVE 5.00000

STANDARD ERROR OF Y .76325

STEP NO. 1

ENTERED VARIABLE 25

F-LEVEL	115.67998
STANDARD ERROR OF Y	.56406
MULTIPLE CORRELATION	.67662
R-SQUARED	.45781
DEGREES OF FREEDOM	137
CONSTANT TERM	.26201

VARIABLE	BETA PRIME	BETA	SE(BETA)
25	.67662E+00	.59883E+00	.55676E-01
STEP NO.	2		

ENTERED VARIABLE 29

F-LEVEL	57104254.95164
STANDARD ERROR OF Y	.00087
MULTIPLE CORRELATION	1.00000
R-SQUARED	1.00000
DEGREES OF FREEDOM	136
CONSTANT TERM	.00016

VARIABLE	BETA PRIME	BETA	SE(BETA)
25	.11299E+01	.99998E+00	.10127E-03
29	-.86466E+00	-.10002E+01	.13237E-03

ANALYSIS OF VARIANCE			
TERM	SS	DF	MS
TOTAL	.80392E+02	138	
REG	.80392E+02	2	.40196E+02
ERR	.10381E-03	136	.76330E-06

Table 10. Regression Analysis Results, Lake Sediment

MULTIPLE REGRESSION ANALYSIS

PROBLEM SKAGWAY LAKE

OBSERVATIONS 123

PROBLEM SKAGWAY LAKE

STEPWISE REGRESSION CASE 1

DEPENDENT VARIABLE 3

F-LEVEL TO ENTER 5.00000

F-LEVEL TO REMOVE 5.00000

STANDARD ERROR OF Y .71071

STEP NO. 1

ENTERED VARIABLE 24

F-LEVEL	104.59222
STANDARD ERROR OF Y	.52265
MULTIPLE CORRELATION	.68091
R-SQUARED	.46363
DEGREES OF FREEDOM	121
CONSTANT TERM	.23516

VARIABLE	BETA PRIME	BETA	SE(BETA)
24	.68091E+00	.63560E+00	.62149E-01

STEP NO. 2

ENTERED VARIABLE 28

F-LEVEL	45289656.95184
STANDARD ERROR OF Y	.00085
MULTIPLE CORRELATION	1.00000
R-SQUARED	1.00000
DEGREES OF FREEDOM	120
CONSTANT TERM	.00032

VARIABLE	BETA PRIME	BETA	SE(BETA)
24	.10711E+01	.99981E+00	.11510E-03
28	-.82982E+00	-.10001E+01	.14860E-03

ANALYSIS OF VARIANCE

TERM	SS	DF	MS
TOTAL	.61624E+02	122	
REG	.61524E+02	2	.30812E+02
ERR	.87577E-04	120	.72981E-06

SKAGWAY STREAM SEDIMENTS FACTOR SCORE 1

Figure 7. Stream Sediment Factor Score 1

SKAGWAY STREAM SEDIMENTS FACTOR SCORE 2

Figure 8. Stream Sediment Factor Score 2

SKAGWAY STREAM SEDIMENTS FACTOR SCORE 3

Figure 9. Stream Sediment Factor Score 3

SKAGWAY STREAM SEDIMENT RESIDUALS

Figure 10. Stream Sediment Residuals

SKAGWAY LAKE SEDIMENTS FACTOR SCORE 1

Figure 11. Lake Sediment Factor Score 1

SKAGWAY LAKE SEDIMENTS FACTOR SCORE 2

Figure 12. Lake Sediment Factor Score 2

SKAGWAY LAKE SEDIMENTS FACTOR SCORE 3

Figure 13. Lake Sediment Factor Score 3

SKAGWAY LAKE SEDIMENT RESIDUALS

Figure 14. Lake Sediment Residuals

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Appendix A. Stream Sediment Data

Appendix A. Stream Sediment Data

SKAGWAY STREAM SEDIMENTS

PG. ONE - SAMPLE SET 1

SAMPLE NO.	LAT.	LONG.	±H	COND.	SCINT.	ANTIMONY PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NIOBIUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
467602	59.1961	135.0064	7.	8.	15.	2.63	-5.	-5.	-5.	-10.	-20.	-15.	10.	-10.	-15.
467603	59.1844	135.0461	6.	6.	-999.	7.63	-5.	-5.	-5.	14.	-20.	-15.	5.	-10.	-15.
467605	59.1483	135.1425	6.	6.	-999.	11.55	-5.	-5.	-5.	34.	-20.	-15.	22.	-10.	-15.
467615	59.0994	135.1489	6.	14.	9.	4.78	-5.	9.	-5.	20.	-20.	-15.	15.	-10.	-15.
467619	59.0075	135.0153	6.	6.	3.	3.23	-5.	-5.	-5.	11.	-20.	-15.	8.	-10.	-15.
467622	59.0569	135.4700	6.	25.	3.	2.65	-5.	-5.	-5.	30.	-20.	15.	-5.	-10.	-15.
467623	59.0556	135.4697	6.	12.	3.	2.40	-5.	-5.	-5.	75.	-20.	31.	-5.	-10.	-15.
467625	59.1492	135.5142	6.	8.	9.	1.33	-5.	-5.	-5.	29.	-20.	24.	-5.	-10.	-15.
467626	59.1569	135.5031	5.	8.	10.	1.56	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.
467627	59.1472	135.5736	5.	17.	13.	2.27	-5.	-5.	-5.	72.	-20.	37.	6.	-10.	-15.
467631	59.2594	135.2539	6.	5.	-999.	6.68	-5.	-5.	-5.	-10.	-20.	-15.	8.	-10.	-15.
467635	59.2783	135.0964	5.	21.	5.	34.09	-5.	-5.	-5.	43.	-20.	39.	8.	-10.	-15.
467639	59.3719	135.0828	-999.	-999.	12.	4.97	-5.	-5.	-5.	36.	-20.	27.	12.	-10.	-15.
467640	59.3708	135.0833	-999.	-999.	12.	13.34	-5.	-5.	-5.	29.	-20.	45.	6.	-10.	-15.
467641	59.3536	135.1714	-999.	-999.	12.	3.10	-5.	-5.	-5.	-10.	-20.	-15.	9.	-10.	-15.
467642	59.3364	135.1875	-999.	-999.	6.	2.30	-5.	-5.	-5.	15.	-20.	-15.	17.	-10.	-15.
467643	59.3075	135.2069	-999.	-999.	9.	10.07	-5.	-5.	-5.	14.	-20.	-15.	7.	-10.	-15.
467644	59.2881	135.1639	-999.	-999.	10.	5.31	-5.	-5.	-5.	25.	-20.	-15.	5.	-10.	-15.
467656	59.5017	135.2203	8.	13.	8.	6.08	-5.	-5.	-5.	15.	-20.	-15.	9.	-10.	-15.
467657	59.4957	135.2128	8.	20.	-999.	7.53	-5.	-5.	-5.	24.	-20.	-15.	5.	-10.	-15.
467658	59.4769	135.1239	8.	11.	-999.	11.60	-5.	-5.	-5.	13.	-20.	-15.	10.	-10.	-15.
467660	59.4772	135.0986	8.	7.	-999.	8.09	-5.	5.	-5.	21.	-20.	-15.	11.	-10.	-15.
467663	59.5339	135.0739	8.	12.	-999.	3.21	-5.	-5.	-5.	10.	-20.	-15.	9.	-10.	-15.
467664	59.5597	135.0533	8.	10.	-999.	18.41	-5.	5.	-5.	-10.	-20.	-15.	14.	-10.	-15.
467671	59.6453	135.2167	8.	16.	-999.	23.64	-5.	-5.	-5.	-10.	-20.	-15.	19.	-10.	-15.
467675	59.6606	135.2653	8.	29.	16.	9.30	-5.	-5.	-5.	19.	-20.	-15.	16.	-10.	-15.
467676	59.6558	135.3050	8.	6.	25.	15.42	-5.	-5.	-5.	-10.	-20.	-15.	15.	-10.	-15.
467677	59.6094	135.3564	8.	7.	-999.	3.03	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
467682	59.5856	135.3250	8.	16.	16.	4.69	-5.	-5.	-5.	10.	-20.	-15.	11.	-10.	-15.
467683	59.5692	135.3353	8.	23.	-999.	4.71	-5.	-5.	-5.	22.	-20.	-15.	8.	-10.	-15.
467692	59.6897	135.4219	8.	12.	6.	10.67	-5.	5.	-5.	15.	-20.	-15.	10.	-10.	-15.
467694	59.6106	135.4494	8.	6.	-999.	5.33	-5.	-5.	-5.	-10.	-20.	15.	11.	-10.	-15.
467695	59.6306	135.4294	8.	5.	3.	3.66	-5.	-5.	-5.	-10.	-20.	-15.	8.	-10.	-15.
467702	59.2953	135.5853	7.	15.	1.	56.63	-5.	-5.	-5.	123.	-20.	-15.	-5.	-10.	-15.
467706	59.3942	135.5942	7.	15.	1.	1.98	-5.	-5.	-5.	111.	-20.	19.	-5.	-10.	-15.
467707	59.3789	135.6089	7.	15.	1.	1.59	-5.	-5.	-5.	20.	-20.	-15.	5.	-10.	-15.
467708	59.3936	135.6744	7.	7.	1.	2.41	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
467712	59.4133	135.7411	7.	12.	-999.	1.24	-5.	-5.	-5.	23.	-20.	-15.	-5.	-10.	-15.
467713	59.4631	135.7114	7.	5.	2.	6.06	-5.	-5.	-5.	16.	-20.	-15.	5.	-10.	-15.
467714	59.4503	135.7586	7.	9.	2.	3.87	-5.	-5.	-5.	41.	-20.	16.	-5.	-10.	-15.
467716	59.4869	135.7294	7.	9.	-999.	1.37	-5.	-5.	-5.	135.	-20.	-15.	-5.	-10.	-15.
467717	59.4989	135.6708	8.	5.	5.	1.89	-5.	-5.	-5.	-10.	-20.	-15.	10.	-10.	-15.
467718	59.4839	135.6575	7.	5.	3.	3.60	-5.	-5.	-5.	70.	-20.	-15.	12.	-10.	-15.
467719	59.4736	135.5957	8.	6.	-999.	4.45	-5.	-5.	-5.	15.	-20.	-15.	23.	-10.	-15.
467720	59.4906	135.5067	8.	5.	-999.	1.48	-5.	-5.	-5.	14.	-20.	-15.	11.	-10.	-15.
467721	59.5686	135.5253	7.	5.	5.	2.63	-5.	-5.	-5.	20.	-20.	-15.	7.	-10.	-15.
467723	59.5033	135.4636	7.	4.	-999.	5.41	-5.	-5.	-5.	10.	-20.	-15.	12.	-10.	-15.
467724	59.4872	135.4153	8.	4.	4.	9.07	-5.	-5.	-5.	11.	-20.	-15.	20.	-10.	-15.
467726	59.4303	135.4394	8.	5.	2.	2.20	-5.	-5.	-5.	26.	-20.	24.	-5.	-10.	-15.
467727	59.4067	135.6417	8.	15.	3.	3.52	-5.	-5.	-5.	27.	-20.	-15.	-5.	-10.	-15.

SKAGWAY STREAM SEDIMENTS

PG. TWO - SAMPLE SET 1

SAMPLE NO.	BL PPM	PA PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CR PPM	CS PPM	DY PPM	FU PPM	FE PPM	HF PPM	K PPM	LA PPM
467602	-999.	-999.	75070.	-0.	1625.	29660.	67.	-133.	4.3	-9.	-1.5	4.	1.2	22860.	5.5	14710.	40.
467603	-999.	-999.	79640.	0.	1182.	45650.	150.	-151.	6.5	37.	-1.4	7.	2.0	32420.	14.9	14970.	90.
467605	-999.	-999.	66080.	-0.	792.	37300.	92.	-122.	9.5	56.	-1.7	6.	1.1	36270.	10.7	12840.	49.
467615	-999.	-999.	68880.	-0.	823.	35100.	108.	-155.	8.2	48.	-1.8	10.	1.2	36100.	8.6	17970.	93.
467619	-999.	-999.	85490.	-0.	1495.	39430.	81.	-169.	4.0	27.	-1.8	5.	1.8	38650.	9.7	17930.	39.
467622	-999.	-999.	67640.	-0.	427.	26960.	68.	-154.	12.8	49.	-1.7	3.	1.3	39480.	10.1	11290.	36.
467623	-999.	-999.	77180.	-0.	368.	37840.	55.	-180.	29.1	99.	-2.3	6.	1.7	71700.	6.4	11500.	27.
467625	-999.	-999.	64130.	-0.	-172.	51670.	37.	-144.	19.8	83.	-1.7	4.	1.4	64320.	5.1	-4933.	16.
467626	-999.	-999.	71590.	-0.	-190.	43880.	37.	-145.	11.3	21.	-1.7	4.	1.3	45680.	5.2	-4707.	17.
467627	-999.	-999.	70870.	-0.	423.	53870.	38.	-158.	19.8	137.	-1.8	4.	1.1	53200.	3.1	-5268.	18.
467631	-999.	-999.	87410.	-0.	1752.	34750.	89.	-170.	4.2	25.	-1.7	5.	1.5	40720.	9.3	14430.	38.
467635	-999.	-999.	61480.	-0.	1385.	26050.	93.	265.	16.6	63.	-2.7	9.	1.1	33530.	5.1	-5932.	54.
467639	-999.	-999.	68170.	-0.	974.	30660.	80.	-132.	10.8	76.	-1.7	7.	1.1	28090.	6.3	16360.	50.
467640	-999.	-999.	65360.	-0.	854.	42270.	224.	-128.	10.7	70.	-1.4	8.	1.7	35620.	20.9	10510.	149.
467641	-999.	-999.	78210.	-0.	928.	39490.	111.	-122.	6.5	14.	-1.6	5.	1.6	30380.	17.1	6788.	74.
467642	-999.	-999.	70520.	-0.	1300.	34490.	84.	-123.	3.9	29.	-1.3	5.	1.4	24090.	5.6	11930.	52.
467643	-999.	-999.	76860.	-0.	1186.	38170.	186.	275.	7.3	28.	-1.8	8.	1.4	27850.	20.2	12420.	118.
467644	-999.	-999.	80730.	-0.	1553.	39670.	98.	-170.	9.4	34.	-1.9	6.	1.9	46740.	8.7	21390.	-25.
467656	-999.	-999.	73350.	-0.	1212.	30110.	136.	-125.	4.6	24.	-1.1	5.	1.5	23800.	15.6	17330.	101.
467657	-999.	-999.	67390.	-0.	1381.	31150.	329.	-122.	8.1	29.	-1.6	7.	1.9	29610.	22.3	14140.	203.
467658	-999.	-999.	62500.	-0.	1246.	27770.	241.	-122.	5.4	37.	-1.3	6.	1.6	27290.	31.5	16070.	166.
467660	-999.	-999.	70680.	-0.	1357.	29540.	285.	-135.	6.7	30.	-1.3	6.	1.9	36080.	23.2	16210.	162.
467663	-999.	-999.	75060.	-0.	1165.	26730.	67.	121.	2.8	-8.	-1.2	4.	1.0	14490.	6.0	17680.	50.
467664	-999.	-999.	69900.	-0.	599.	10780.	157.	-129.	-999.0	32.	1.1	6.	1.1	18810.	31.8	34820.	124.
467671	-999.	-999.	88570.	-0.	1125.	14560.	72.	-156.	8.1	-13.	2.7	5.	1.3	31540.	12.7	21800.	70.
467675	-999.	-999.	62000.	-0.	1407.	25560.	95.	-115.	4.6	39.	-1.1	7.	1.1	12710.	9.6	24420.	78.
467676	-999.	-999.	70710.	-0.	1141.	27340.	171.	-121.	4.8	27.	-1.2	6.	1.7	26220.	37.3	18000.	136.
467677	-999.	-999.	74710.	-0.	1208.	40490.	118.	-123.	8.4	16.	-1.4	5.	1.6	40390.	11.3	9905.	97.
467682	-999.	-999.	65400.	-0.	1069.	30880.	132.	-125.	7.5	33.	-1.5	4.	1.4	31090.	15.9	13530.	87.
467683	-999.	-999.	78830.	-0.	921.	39560.	134.	-150.	6.7	41.	-1.4	6.	1.6	35720.	13.6	14570.	97.
467692	-999.	-999.	69350.	-0.	1342.	29060.	161.	306.	12.0	64.	-2.2	7.	1.8	49290.	27.9	17440.	100.
467694	-999.	-999.	78070.	-0.	1029.	31410.	68.	-161.	5.6	-10.	-1.6	5.	1.0	27880.	7.5	17330.	45.
467695	-999.	-999.	82940.	-0.	1375.	27880.	114.	-149.	5.1	21.	-1.3	4.	1.6	28900.	8.9	20280.	61.
467702	-999.	-999.	66140.	-0.	-298.	22740.	33.	-238.	8.7	38.	-2.9	4.	.6	26260.	2.4	-7698.	-38.
467706	-999.	-999.	75670.	-0.	398.	56020.	64.	-199.	19.5	48.	-2.3	6.	1.8	52520.	4.4	-6898.	-20.
467707	-999.	-999.	76030.	-0.	569.	29670.	51.	-176.	4.7	-6.	-1.0	3.	1.6	34010.	9.8	13770.	-14.
467708	-999.	-999.	64970.	-0.	927.	42650.	80.	-172.	7.3	19.	-1.6	6.	2.5	46710.	18.8	-5703.	54.
467712	-999.	-999.	76230.	-0.	659.	24860.	44.	-159.	4.1	-8.	-1.2	3.	1.3	26730.	6.3	17210.	-16.
467713	-999.	-999.	70360.	-0.	1217.	42000.	173.	-137.	5.4	-10.	-1.5	6.	2.4	37620.	22.4	8933.	107.
467714	-999.	-999.	78290.	-0.	613.	40220.	57.	-171.	9.5	-11.	-1.8	6.	1.6	40040.	6.7	12120.	-16.
467716	-999.	-999.	73410.	-0.	353.	56060.	63.	248.	26.2	20.	-2.3	5.	1.8	68890.	3.2	9459.	-23.
467717	-999.	-999.	72270.	-0.	1829.	31650.	60.	-126.	1.9	-7.	-1.1	3.	1.5	23340.	3.7	13430.	-13.
467718	-999.	-999.	84610.	-0.	1250.	41530.	69.	-148.	4.5	-9.	-1.5	5.	1.6	22200.	8.3	12570.	43.
467719	-999.	-999.	77970.	-0.	1076.	31550.	91.	-150.	7.7	36.	-1.6	5.	2.2	51250.	10.2	17480.	49.
467720	-999.	-999.	79510.	-0.	1244.	33680.	56.	-132.	2.9	-8.	-1.3	4.	1.3	20380.	6.2	13440.	37.
467721	-999.	-999.	71480.	-0.	1237.	33020.	66.	-130.	4.3	35.	-1.3	3.	1.4	27630.	5.3	15900.	43.
467723	-999.	-999.	81710.	-0.	1476.	26590.	183.	-136.	-3	-6.	-1.0	3.	1.5	17950.	7.6	22790.	102.
467724	-999.	-999.	81430.	-0.	1363.	29910.	131.	-163.	2.4	-12.	-1.9	6.	1.8	33900.	15.3	16630.	94.
467726	-999.	-999.	81750.	-0.	2006.	27310.	40.	-179.	11.7	54.	-1.9	4.	1.3	36720.	2.8	21820.	-19.
467727	-999.	-999.	76360.	-0.	474.	48110.	47.	237.	18.3	36.	-1.7	4.	1.3	56030.	6.0	-9037.	-20.

SKAGWAY STREAM SEDIMENTS

PG. THREE - SAMPLE SFT 1

SAMPLE NO.	LU PPM	MG PPM	MN PPM	NA PPM	RB PPM	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	U/TH RATIO
467602	.1	7420.	564.	26050.	-33.	-2.	9.3	4.8	620.	-1.	-1.	10.1	2766.	51.	3.3	101.	3.571
467603	.3	9112.	799.	26030.	40.	-2.	15.6	13.0	528.	-1.	-1.	26.2	2883.	78.	5.0	42.	3.344
467609	.5	10440.	893.	22560.	-33.	-2.	25.3	8.2	-276.	-1.	1.	21.9	1404.	92.	5.7	-38.	1.898
467615	.6	9620.	974.	23870.	54.	-1.	20.2	11.6	-298.	-2.	3.	46.0	1492.	69.	6.6	-50.	9.619
467619	.2	8166.	828.	25800.	-37.	-1.	13.1	6.9	-325.	-2.	-1.	8.4	4063.	73.	2.9	145.	2.597
467622	.3	8032.	651.	32970.	-36.	-1.	11.0	3.9	-329.	-1.	-1.	6.7	5992.	92.	2.8	-46.	2.525
467623	.3	18470.	1160.	28060.	-44.	-1.	29.3	5.2	494.	-1.	1.	4.1	9654.	237.	3.2	-58.	1.709
467625	.4	18000.	1307.	22330.	-34.	-1.	22.9	5.0	-345.	-1.	1.	2.9	5987.	173.	3.7	-42.	2.179
467626	.3	9977.	1022.	24090.	-35.	-1.	12.7	3.9	-353.	-1.	-1.	3.0	4165.	92.	2.4	100.	1.923
467627	.3	15940.	1283.	22920.	-33.	-1.	22.9	3.4	-324.	-1.	1.	4.4	2841.	177.	2.1	-46.	1.938
467631	.2	8489.	911.	25240.	-34.	-1.	11.6	6.9	677.	-1.	-1.	9.5	3849.	64.	2.2	166.	1.422
467635	.4	13490.	1300.	11880.	-67.	-3.	11.7	8.9	-434.	-2.	-2.	14.5	4650.	131.	3.7	176.	.425
467639	.3	12900.	755.	19910.	-43.	-5.	12.5	5.3	-256.	-1.	2.	18.5	3732.	107.	-2.9	-47.	3.717
467640	.5	12890.	976.	20410.	-33.	-4.	17.5	21.6	-294.	-1.	2.	41.2	3817.	84.	4.6	-34.	3.086
467641	.3	8683.	799.	24780.	-39.	-5.	15.6	9.6	-262.	-1.	-1.	14.0	3597.	62.	5.9	77.	4.525
467642	.3	5018.	507.	24210.	-29.	-4.	12.4	7.3	513.	-1.	2.	11.5	1576.	41.	4.2	84.	5.000
467643	.4	9874.	1018.	24480.	-45.	-6.	13.1	10.7	568.	-1.	-1.	31.1	4900.	71.	6.6	-52.	3.086
467644	.3	12310.	935.	23620.	-48.	-6.	16.4	9.5	-393.	-1.	-1.	14.1	4633.	98.	5.0	-54.	2.653
467656	.3	7880.	531.	25230.	-28.	-3.	10.5	8.5	548.	-1.	-1.	20.6	2371.	55.	4.0	-30.	3.390
467657	.4	5927.	725.	23920.	-38.	-5.	12.9	18.7	-263.	-1.	-1.	49.7	3165.	65.	13.0	-38.	6.579
467658	.5	8177.	591.	22680.	-31.	-4.	11.8	17.7	584.	-1.	2.	39.1	2737.	61.	5.1	-29.	3.367
467660	.4	6677.	731.	24990.	-33.	-4.	13.3	14.7	601.	-1.	-1.	43.9	3261.	76.	9.6	-36.	5.435
467663	.2	5790.	442.	26470.	-32.	-4.	6.9	4.3	360.	-1.	-1.	8.2	1769.	40.	-2.2	-38.	2.558
467664	.6	-2175.	339.	28610.	98.	-3.	5.2	12.8	-250.	2.	1.	43.4	2251.	31.	9.3	-38.	2.358
467671	.3	10480.	993.	18040.	-52.	-7.	13.1	4.1	-334.	-1.	-1.	13.2	4503.	69.	-3.5	-100.	.558
467675	.3	6470.	422.	19130.	-29.	-3.	5.1	7.8	-208.	-1.	-1.	24.1	2164.	41.	4.1	82.	2.591
467676	.5	4088.	464.	24670.	-29.	-4.	10.3	15.4	420.	-1.	-1.	39.4	2805.	62.	7.9	-30.	2.558
467677	.2	11150.	769.	22140.	-39.	-5.	17.5	9.0	397.	-1.	-1.	13.0	4200.	84.	5.2	-40.	4.292
467682	.3	7998.	602.	21820.	-39.	-6.	11.6	12.9	666.	-1.	-1.	19.3	3937.	53.	6.4	55.	4.115
467683	.4	11160.	778.	25220.	-33.	-5.	14.1	9.6	484.	-1.	2.	19.3	4055.	80.	4.9	-35.	4.098
467692	.5	13280.	997.	23320.	-53.	-6.	17.9	14.3	-331.	-1.	-1.	18.2	5993.	93.	5.3	-11.	1.706
467694	.3	8085.	788.	26140.	64.	-5.	9.6	3.2	407.	-1.	-1.	12.4	2906.	57.	4.2	-43.	2.326
467695	.2	5869.	535.	29470.	-33.	-4.	9.1	9.6	529.	-1.	-1.	18.2	3018.	50.	5.3	-35.	4.975
467702	.2	8108.	916.	19200.	-79.	-8.	8.5	-3.6	-522.	-2.	-1.	-2.0	3887.	125.	-4.8	172.	-999.000
467706	.4	16280.	2032.	24330.	-40.	-7.	23.4	4.6	648.	-1.	1.	4.1	5884.	258.	-3.8	168.	2.179
467707	.3	-2870.	1266.	35120.	-28.	-3.	8.3	3.7	-373.	-1.	1.	2.2	3160.	111.	2.7	-30.	1.393
467708	.5	7950.	1659.	28230.	-40.	-5.	13.6	8.8	799.	-1.	1.	5.0	4989.	159.	6.0	105.	2.058
467712	.2	-2583.	996.	36200.	-33.	-4.	6.4	3.8	735.	-1.	-999.	1.8	2830.	89.	3.0	80.	1.451
467713	.4	6109.	809.	24260.	-34.	-5.	18.7	11.9	-322.	-1.	2.	20.6	3691.	60.	5.2	-36.	3.401
467714	.3	9576.	1300.	27180.	-47.	-5.	15.0	3.0	684.	-1.	-1.	5.4	3845.	151.	-3.1	-48.	1.395
467716	.4	18570.	1731.	20660.	-57.	-7.	22.3	3.7	877.	-2.	-1.	-9	6478.	230.	4.4	-56.	-999.000
467717	.2	-2135.	397.	25560.	-27.	-3.	7.6	5.3	580.	-1.	-1.	6.6	2446.	24.	-1.8	-26.	3.497
467718	.2	9702.	628.	28760.	-37.	-4.	11.0	3.8	569.	-1.	-1.	8.2	2830.	44.	-2.2	-41.	2.278
467719	.4	10510.	717.	22540.	67.	-5.	14.2	8.0	-344.	-1.	-1.	10.0	5626.	79.	-2.4	-43.	2.247
467720	.2	-2177.	524.	29780.	-33.	-4.	8.7	5.9	624.	-1.	-1.	6.5	1672.	14.	-2.1	71.	4.386
467721	.2	6949.	552.	24130.	-31.	-4.	11.4	6.0	-299.	-1.	-1.	9.8	2893.	48.	3.9	-34.	3.731
467723	.1	4280.	454.	29070.	-25.	-3.	6.3	10.2	314.	-1.	-1.	20.3	1549.	19.	-1.6	-25.	3.745
467724	.4	5110.	1045.	28460.	-45.	-6.	12.5	8.8	562.	-1.	-1.	19.3	3095.	37.	4.7	105.	2.128
467726	.2	15360.	843.	24210.	-54.	-6.	8.9	-2.1	573.	-1.	-1.	4.7	5447.	82.	-3.3	-75.	2.137
467727	.3	13250.	1102.	24770.	-40.	-5.	21.7	5.2	-351.	-1.	-1.	7.1	3782.	147.	-2.4	-42.	2.016

SKAGWAY STREAM SEDIMENTS

PG. ONE - SAMPLE SET 2

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NIOSBIUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
467728	59.2092	135.6392	8.	7.	2.	7.73	-5.	-5.	-5.	12.	-20.	-15.	-5.	-10.	-15.
467729	59.2158	135.7367	7.	6.	5.	5.28	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.	-15.
467730	59.2286	135.7406	7.	13.	4.	12.21	-5.	-5.	-5.	-10.	-20.	-15.	6.	-10.	-15.
467734	59.2303	135.8600	8.	90.	1.	4.41	-5.	-5.	-5.	31.	-20.	41.	7.	-10.	-15.
467735	59.2458	135.8664	8.	157.	3.	3.67	-5.	-5.	-5.	34.	-20.	20.	-5.	-10.	-15.
467736	59.2375	135.9200	8.	23.	4.	4.15	-5.	-5.	-5.	28.	-20.	26.	-5.	-10.	-15.
467739	59.2839	135.9703	8.	61.	2.	14.34	-5.	-5.	-5.	35.	-20.	40.	-5.	-10.	-15.
467740	59.2844	135.9658	8.	80.	4.	11.70	-5.	-5.	-5.	56.	-20.	40.	5.	-10.	-15.
467743	59.2372	135.9875	8.	17.	5.	3.42	-5.	-5.	-5.	21.	-20.	18.	-5.	-10.	-15.
467745	59.2489	136.0103	8.	112.	5.	3.01	-5.	-5.	-5.	23.	-20.	22.	-5.	-10.	-15.
467746	59.2567	136.0569	8.	31.	6.	3.30	-5.	-5.	-5.	40.	-20.	22.	-5.	-10.	-15.
467748	59.3033	136.0908	8.	174.	8.	3.51	-5.	-5.	-5.	61.	-20.	25.	7.	-10.	-15.
467749	59.3117	136.0767	8.	7.	5.	2.42	-5.	-5.	-5.	51.	-20.	27.	-5.	-10.	-15.
467750	59.3383	136.1053	8.	116.	3.	5.94	-5.	-5.	6.	115.	-20.	76.	-5.	-10.	-15.
467751	59.3383	136.0622	8.	200.	4.	9.16	-5.	-5.	-5.	61.	-20.	51.	-5.	-10.	-15.
467752	59.3844	136.0694	8.	117.	5.	2.67	-5.	-5.	-5.	72.	-20.	132.	-5.	-10.	-15.
467755	59.3594	135.9844	8.	182.	3.	1.59	-5.	-5.	-5.	59.	-20.	36.	-5.	-10.	-15.
467763	59.5167	135.8542	8.	6.	6.	1.59	-5.	-5.	-5.	42.	-20.	-15.	-5.	-10.	-15.
467764	59.5172	135.7760	8.	5.	6.	14.47	-5.	-5.	-5.	44.	-20.	25.	-5.	-10.	-15.
467765	59.5406	135.7536	8.	6.	20.	8.63	-5.	-5.	-5.	17.	-20.	-15.	9.	-10.	-15.
467766	59.5494	135.8267	8.	5.	10.	7.21	-5.	-5.	-5.	23.	-20.	27.	11.	-10.	-15.
467768	59.5244	135.8869	8.	25.	1.	1.46	-5.	-5.	-5.	94.	-20.	23.	-5.	-10.	-15.
467770	59.5497	135.9208	8.	7.	5.	1.50	-5.	-5.	-5.	197.	-20.	19.	-5.	-10.	-15.
467773	59.6117	135.9428	7.	21.	-999.	2.01	-5.	-5.	-5.	13.	-20.	-15.	8.	-10.	-15.
467774	59.6331	135.9111	7.	62.	-999.	4.33	-5.	-5.	-5.	14.	-20.	-15.	8.	-10.	-15.
467775	59.6397	135.8836	8.	11.	11.	4.32	-5.	-5.	-5.	14.	-20.	-15.	13.	-10.	-15.
467776	59.6156	135.8142	8.	-999.	12.	13.54	-5.	-5.	-5.	71.	-20.	21.	12.	-10.	-15.
467777	59.6175	135.8233	8.	8.	25.	19.35	-5.	6.	-5.	46.	-20.	17.	11.	-10.	-15.
467779	59.6183	135.7847	8.	5.	3.	4.16	-5.	-5.	-5.	29.	-20.	-15.	12.	-10.	-15.
467780	59.6553	135.8419	8.	14.	3.	8.91	-5.	-5.	-5.	32.	-20.	28.	16.	-10.	-15.
467781	59.6736	135.8483	7.	67.	20.	29.06	-5.	-5.	-5.	-10.	-20.	-15.	8.	-10.	-15.
467782	59.6522	135.9203	8.	11.	8.	7.02	-5.	-5.	-5.	18.	-20.	20.	-5.	-10.	-15.
467785	59.5906	136.0003	7.	14.	-999.	7.63	-5.	6.	-5.	12.	-20.	-15.	7.	-10.	-15.
467786	59.5631	136.0047	7.	131.	1.	8.9	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.
467789	59.5225	136.0769	8.	39.	4.	3.65	-5.	-5.	-5.	44.	-20.	20.	-5.	-10.	-15.
467790	59.5389	136.0875	8.	82.	5.	1.42	-5.	-5.	-5.	40.	-20.	24.	5.	-10.	-15.
467795	59.5831	136.1494	8.	108.	5.	3.00	-5.	-5.	-5.	106.	-20.	148.	-5.	-10.	-15.
467796	59.5875	136.1547	8.	62.	3.	1.18	-5.	-5.	-5.	150.	-20.	47.	-5.	-10.	-15.
467797	59.6233	136.1697	8.	57.	3.	1.20	-5.	-5.	-5.	147.	-20.	33.	-5.	-10.	-15.
467798	59.6319	136.1808	8.	204.	1.	1.10	-5.	-5.	-5.	306.	-20.	25.	-5.	-10.	-15.
467799	59.6056	136.3125	8.	36.	6.	21.77	-5.	-5.	-5.	37.	-20.	15.	5.	-10.	-15.
467801	59.5981	136.2817	8.	63.	8.	3.19	-5.	-5.	-5.	36.	-20.	-15.	8.	-10.	-15.
467807	59.5231	136.1286	8.	44.	3.	2.94	-5.	-5.	-5.	42.	-20.	29.	-5.	-10.	-15.
467808	59.3603	135.7847	8.	109.	6.	7.80	-5.	-5.	-5.	123.	-20.	26.	-5.	-10.	-15.
467809	59.3742	135.8317	7.	342.	16.	1.81	-5.	-5.	-5.	105.	-20.	-15.	8.	-10.	-15.
467810	59.3867	135.4906	9.	7.	3.	2.11	-5.	-5.	-5.	19.	-20.	-15.	5.	-10.	-15.
467813	59.4369	135.5208	7.	5.	6.	2.51	-5.	-5.	-5.	22.	-20.	-15.	6.	-10.	-15.
467815	59.4525	135.5569	8.	5.	8.	7.22	-5.	-5.	-5.	33.	-20.	-15.	12.	-10.	-15.
467816	59.4833	135.5978	8.	4.	6.	5.98	-5.	-5.	-5.	10.	-20.	-15.	9.	-10.	-15.
467819	59.3386	135.5906	8.	49.	4.	1.55	-5.	-5.	-5.	75.	-20.	54.	-5.	-10.	-15.

SKAGWAY STREAM SEDIMENTS

PG. TWO - SAMPLE SET 2

SAMPLE NO.	BE PPM	LI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CR PPM	CS PPM	DY PPM	FU PPM	FE PPM	HF PPM	K PPM	LA PPM
467728	-999.	-999.	66770.	-0.	425.	26970.	78.	-133.	10.8	21.	-1.5	5.	1.0	37060.	14.0	13070.	57.
467729	-999.	-999.	61880.	-0.	416.	16290.	49.	-124.	2.0	19.	1.5	3.	.7	18330.	5.8	19320.	36.
467730	-999.	-999.	76220.	-0.	522.	19820.	76.	-162.	2.6	-9.	1.8	7.	.8	20020.	8.4	20110.	60.
467734	-999.	-999.	37500.	-0.	1929.	123500.	34.	-92.	12.3	49.	-1.3	4.	1.2	35940.	2.0	8175.	28.
467735	-999.	-999.	60180.	-0.	519.	77000.	51.	167.	18.9	81.	-2.0	4.	1.2	53340.	6.1	9798.	-20.
467736	-999.	-999.	59470.	-0.	597.	55800.	34.	-131.	20.0	76.	-1.8	4.	1.2	62520.	8.1	9652.	-15.
467739	-999.	-999.	55280.	-0.	1040.	35860.	44.	201.	14.0	79.	4.2	4.	1.4	38510.	3.5	7294.	-21.
467740	-999.	-999.	50390.	-0.	985.	28970.	27.	-147.	6.0	76.	4.6	4.	1.2	33260.	2.8	7252.	-29.
467743	-999.	-999.	63550.	-0.	565.	62940.	46.	255.	19.1	54.	-1.9	3.	1.1	55920.	6.5	8242.	-16.
467745	-999.	-999.	64970.	-0.	513.	70510.	33.	150.	17.5	56.	-1.9	4.	.8	40900.	2.9	14480.	-13.
467746	-999.	-999.	62070.	-0.	381.	81520.	38.	171.	21.6	74.	-1.5	3.	1.2	57460.	3.7	12820.	-16.
467748	-999.	-999.	45750.	-0.	558.	83400.	47.	-126.	28.3	87.	2.1	4.	1.4	68110.	8.0	-4392.	26.
467749	-999.	-999.	55670.	-0.	514.	99690.	32.	-145.	19.9	55.	-1.9	5.	1.0	43800.	3.1	13320.	-15.
467750	-999.	-999.	58160.	-0.	1536.	8522.	41.	-116.	15.8	76.	7.0	5.	1.5	60380.	3.2	9396.	-18.
467751	-999.	-999.	50590.	-0.	986.	65330.	49.	-116.	24.0	89.	-2.3	5.	1.4	59430.	4.6	8745.	-23.
467752	-999.	-999.	53340.	-0.	1017.	39650.	24.	-128.	38.1	415.	4.8	4.	1.3	78430.	3.2	-4892.	-21.
467755	-999.	-999.	65210.	-0.	467.	52750.	29.	-144.	30.2	92.	-2.5	5.	1.4	54980.	3.8	-4876.	-24.
467763	-999.	-999.	64650.	-0.	257.	48860.	55.	-169.	13.9	-10.	-1.4	6.	2.3	76850.	12.7	6312.	-44.
467764	-999.	-999.	63810.	-0.	714.	90230.	160.	-158.	16.1	-13.	-1.9	7.	3.0	82150.	72.9	-5568.	93.
467765	-999.	-999.	65920.	-0.	1190.	35830.	111.	-127.	6.8	34.	-1.4	7.	1.3	19980.	11.1	9872.	78.
467766	-999.	-999.	68240.	-0.	789.	43620.	159.	-130.	10.4	59.	-1.4	7.	2.3	33200.	14.1	12980.	101.
467768	-999.	-999.	65120.	-0.	613.	32240.	34.	-171.	19.8	71.	-1.6	4.	1.7	61430.	13.7	18070.	26.
467770	-999.	-999.	68140.	-0.	-198.	54060.	59.	430.	24.3	11.	-1.7	4.	2.0	65490.	4.0	12110.	-15.
467773	-999.	-999.	81200.	-0.	1310.	32900.	40.	-149.	3.7	19.	-1.3	3.	.9	17980.	3.3	24970.	30.
467774	-999.	-999.	80290.	-0.	1051.	32930.	87.	-139.	2.7	22.	-1.1	4.	1.5	24430.	13.5	17230.	38.
467775	-999.	-999.	63100.	-0.	1507.	26980.	105.	-105.	4.2	34.	-1.1	4.	1.4	12980.	7.7	10210.	73.
467776	-999.	-999.	64570.	-0.	1018.	21810.	242.	-120.	11.4	53.	-1.5	10.	1.7	36050.	14.9	17620.	123.
467777	-999.	-999.	67340.	-0.	1266.	22070.	254.	-129.	6.5	44.	-1.4	15.	1.4	22560.	14.6	19540.	160.
467779	-999.	-999.	63170.	-0.	1441.	28920.	75.	-106.	6.0	42.	-1.3	4.	1.4	20210.	7.9	13990.	76.
467780	-999.	-999.	63190.	-0.	1006.	33830.	174.	-132.	8.9	46.	-1.4	8.	1.7	35620.	11.0	12400.	96.
467781	-999.	-999.	78120.	-0.	1172.	36160.	149.	-160.	4.3	-10.	-1.6	7.	1.4	30830.	42.0	18120.	119.
467782	-999.	-999.	77100.	-0.	1353.	36860.	120.	199.	11.0	38.	2.6	5.	1.8	46690.	9.8	14330.	64.
467785	-999.	-999.	76410.	-0.	785.	31920.	127.	205.	4.8	-12.	-1.7	8.	1.3	33290.	17.3	13560.	81.
467786	-999.	-999.	72350.	-0.	601.	16530.	18.	-150.	5.5	15.	-1.0	2.	.9	20630.	3.4	15690.	8.
467789	-999.	-999.	74210.	-0.	352.	31050.	34.	-145.	19.2	45.	-2.2	4.	1.1	47090.	5.1	9168.	21.
467790	-999.	-999.	33330.	-0.	1129.	72440.	29.	-97.	12.0	80.	-1.3	3.	.9	33540.	2.7	5004.	17.
467795	-999.	-999.	59350.	-0.	680.	29740.	57.	-152.	43.5	376.	-3.1	3.	1.6	59940.	2.7	-6038.	23.
467796	-999.	-999.	68920.	-0.	-193.	53310.	28.	-174.	39.8	91.	-2.7	7.	1.5	95650.	4.2	-5889.	15.
467797	-999.	-999.	66610.	-0.	-209.	51410.	22.	-163.	34.3	89.	-2.8	4.	1.1	71810.	3.9	-5704.	-7.
467798	-999.	-999.	49990.	-0.	-297.	25410.	23.	-183.	29.2	50.	-3.6	6.	1.0	76010.	5.5	-7074.	-14.
467799	-999.	-999.	57210.	-0.	-267.	24280.	32.	-166.	4.4	38.	-2.1	5.	1.3	31500.	3.1	7161.	-89.
467801	-999.	-999.	66850.	-0.	533.	50030.	51.	-144.	8.9	42.	-1.5	5.	1.3	32340.	4.4	11180.	27.
467807	-999.	-999.	68540.	-0.	448.	30500.	50.	-157.	20.1	73.	-2.3	4.	1.5	47830.	3.5	10710.	29.
467809	-999.	-999.	73410.	-0.	299.	53910.	29.	-176.	24.7	57.	-2.3	5.	1.3	80490.	5.6	-5801.	20.
467809	-999.	-999.	78870.	-0.	-221.	43230.	54.	-190.	13.8	38.	-2.0	5.	1.5	58740.	5.7	11520.	19.
467810	-999.	-999.	84460.	-0.	1290.	35280.	51.	-149.	7.1	26.	-1.4	4.	1.5	36990.	5.1	12660.	25.
467813	-999.	-999.	83080.	-0.	711.	37920.	36.	-156.	7.5	-10.	-1.8	4.	1.3	27170.	4.7	10770.	23.
467815	-999.	-999.	69910.	-0.	630.	36230.	134.	-141.	9.9	28.	-1.7	7.	2.2	33430.	21.3	9450.	69.
467816	-999.	-999.	82880.	-0.	1599.	50300.	147.	-149.	4.8	-10.	-1.5	6.	2.5	35840.	36.3	9175.	79.
467819	-999.	-999.	60270.	-0.	-226.	52130.	52.	-159.	35.8	116.	-2.5	5.	2.0	110000.	14.1	-5868.	21.

SKAGWAY STREAM SEDIMENTS

PG. THREE - SAMPLE SET 2

SAMPLE NO.	LU PPM	MG PPM	MN PPM	NA PPM	RB PPM	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	U/TH RATIO
467728	.5	7991.	740.	29000.	-38.	-5.	12.1	6.9	-273.	-1.	-1.	14.8	3996.	78.	7.2	-53.	1.916
467729	.4	4084.	351.	26880.	56.	-3.	6.2	3.8	-259.	-1.	-1.	11.4	1381.	39.	3.9	-29.	2.160
467730	.5	3644.	570.	32800.	97.	-4.	6.9	8.4	-283.	-1.	-1.	19.3	1829.	43.	7.1	-36.	1.580
467734	.2	15090.	714.	7090.	-34.	-4.	13.9	3.0	-258.	-1.	-1.	3.2	3002.	312.	-1.9	211.	.726
467735	.2	18460.	1035.	17430.	-49.	-6.	19.5	3.7	-309.	-1.	-1.	5.4	3432.	151.	4.8	-45.	1.471
467736	.3	20160.	1086.	17290.	-41.	-5.	24.2	4.1	-354.	-1.	-1.	6.4	4097.	164.	4.3	-43.	1.543
467739	.3	16050.	600.	11920.	-60.	-7.	13.8	-2.6	-318.	-2.	-1.	5.4	3895.	180.	-4.0	289.	.377
467740	.4	19270.	499.	10480.	-56.	-6.	11.7	3.0	-414.	-2.	-1.	4.6	3800.	142.	-3.3	138.	.390
467743	.4	16280.	1061.	19970.	-47.	-5.	21.1	4.1	-300.	-1.	-1.	4.7	3466.	175.	-3.6	-47.	1.370
467745	.2	19360.	1135.	19660.	-47.	-5.	15.9	1.7	423.	-1.	-1.	3.2	3684.	168.	3.6	-50.	1.063
467746	.3	16650.	1092.	18280.	-39.	-4.	19.7	3.8	-328.	-1.	-1.	5.3	3144.	155.	4.4	-43.	1.567
467748	.3	16610.	1029.	16010.	-43.	-5.	24.3	4.0	-337.	-1.	1.	5.1	6212.	173.	3.5	-43.	1.453
467749	.3	15690.	1045.	19450.	-49.	-5.	17.6	2.2	-301.	-1.	-1.	2.9	5935.	182.	-3.0	-50.	1.199
467750	.4	8411.	877.	13750.	-41.	7.	18.8	5.3	-302.	-1.	1.	3.0	3558.	298.	-2.2	618.	.505
467751	.6	15080.	978.	12970.	-56.	-6.	20.4	4.8	-313.	-1.	-1.	5.3	7517.	190.	-3.3	115.	1.678
467752	.4	31760.	1215.	12150.	-53.	-6.	34.1	4.1	-388.	-2.	4.	1.3	4295.	262.	-3.2	346.	.487
467755	.4	19810.	1137.	21770.	-59.	-7.	27.4	2.6	-351.	-2.	1.	3.7	6742.	187.	-3.6	116.	2.326
467761	.4	7625.	1724.	26000.	-48.	-8.	7.6	-4.1	729.	-1.	1.	2.1	6317.	304.	-3.4	157.	1.321
467764	.7	15320.	1481.	20940.	-47.	-5.	21.6	12.5	-423.	2.	2.	18.8	6809.	220.	12.7	-46.	1.299
467765	.4	8812.	740.	19900.	-34.	-4.	8.7	8.2	-246.	-1.	1.	18.8	2919.	64.	3.7	-37.	2.179
467766	.4	10890.	889.	21470.	-33.	-4.	17.3	13.0	-300.	-1.	2.	21.0	3225.	85.	7.1	-35.	2.915
467768	.3	9331.	1214.	33300.	-40.	-4.	19.4	4.5	702.	-1.	1.	3.2	6053.	195.	-3.1	-41.	2.193
467770	.3	11390.	1646.	22060.	-43.	-5.	23.0	6.0	-402.	-1.	-1.	1.8	4488.	226.	-2.2	-44.	1.200
467773	.2	6617.	514.	29460.	-31.	-4.	6.7	3.0	459.	-1.	-1.	6.2	1820.	47.	-1.9	87.	3.086
467774	.3	4836.	562.	28000.	70.	-3.	9.5	7.7	476.	-1.	1.	11.8	1760.	40.	4.5	-30.	2.725
467775	.2	4811.	456.	22620.	36.	-3.	6.1	8.1	386.	-1.	-1.	18.7	1254.	31.	3.5	-28.	4.329
467776	.5	7923.	920.	14140.	-37.	-4.	11.8	23.7	-334.	-1.	2.	51.7	3621.	70.	9.3	-56.	3.817
467777	.5	6189.	670.	18100.	-38.	-4.	6.7	21.8	-262.	-1.	2.	50.9	2769.	89.	10.7	-41.	2.632
467779	.2	6059.	479.	19860.	-31.	-4.	7.9	6.7	-226.	-1.	-1.	11.9	2150.	47.	3.7	55.	2.857
467780	.6	8294.	767.	21710.	-32.	-4.	12.5	12.1	-315.	-1.	1.	28.7	3482.	59.	6.9	114.	3.226
467781	.5	5368.	789.	28630.	-40.	-4.	8.8	8.3	476.	-1.	-1.	29.5	3652.	66.	6.8	-83.	1.015
467782	.3	11770.	891.	22870.	-42.	-4.	15.1	9.7	-347.	-1.	-1.	14.6	4352.	87.	4.6	-42.	2.079
467785	.3	7219.	870.	25980.	-48.	-6.	10.0	6.5	-333.	-1.	-1.	20.7	2725.	62.	5.9	110.	2.710
467786	.1	3447.	506.	44130.	-22.	-1.	8.6	2.2	1061.	-1.	-999.	1.1	2748.	71.	1.4	-18.	1.236
467789	.3	16130.	1096.	21460.	-51.	-3.	18.7	2.5	-345.	-1.	-1.	5.5	4967.	165.	2.7	-59.	1.506
467790	.2	15060.	879.	10310.	-30.	-2.	14.8	3.3	-259.	-1.	1.	2.4	3737.	104.	-1.1	104.	1.669
467795	-.2	29130.	1398.	14130.	-65.	-4.	28.8	4.0	-481.	-2.	-1.	4.5	4033.	220.	-2.9	-93.	1.499
467796	.5	20280.	1459.	21720.	-55.	-4.	46.1	-3.8	-375.	-1.	3.	-1.5	8441.	355.	5.1	-68.	-999.000
467797	.4	23510.	1496.	21350.	-65.	-4.	31.9	2.4	-416.	-2.	-1.	-1.6	9292.	286.	-2.5	-81.	-999.000
467798	.6	19480.	1203.	16470.	-80.	-5.	34.7	3.6	-534.	-3.	-1.	-2.0	6854.	242.	3.7	202.	-999.000
467799	-.2	9442.	759.	17040.	-57.	-11.	13.6	-5.1	-452.	-2.	-1.	3.3	3222.	93.	-4.9	-57.	.152
467801	.3	11370.	969.	26450.	-37.	-2.	10.7	3.2	-315.	-1.	-1.	5.7	6191.	91.	4.3	-43.	1.786
467807	.3	15430.	979.	24070.	-47.	-3.	20.9	5.3	-387.	-1.	-1.	5.3	3831.	155.	3.6	-53.	1.802
467808	.4	13900.	1348.	24590.	-47.	-3.	31.2	3.6	645.	-1.	-1.	3.2	7220.	328.	4.2	-57.	.410
467809	.3	11500.	1549.	29710.	-49.	-3.	11.2	3.3	871.	-2.	-1.	4.1	4404.	242.	3.9	197.	2.268
467810	.2	8352.	828.	29860.	-31.	-2.	13.3	4.9	884.	-1.	-1.	5.3	3360.	86.	-1.5	-35.	2.513
467813	.2	6185.	845.	31220.	-41.	-2.	11.0	3.6	603.	-1.	-1.	3.3	2218.	109.	3.4	126.	1.314
467815	.5	5617.	833.	26430.	-35.	-2.	14.5	13.5	-325.	-1.	-1.	17.1	2217.	81.	5.2	58.	2.370
467816	.4	8092.	778.	26580.	-33.	-2.	16.2	13.5	509.	2.	2.	17.6	4662.	58.	3.9	-37.	2.941
467819	.5	17700.	1645.	19740.	-56.	-3.	30.2	5.7	-430.	-2.	1.	2.0	7989.	339.	5.3	-58.	1.290

SKAGWAY STREAM SEDIMENTS

PG. ONE - SAMPLE SET 3

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NIOBIMUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
467820	59.3497	135.6053	8.	41.	1.	.95	-5.	-5.	-5.	106.	-20.	19.	-5.	-10.	-15.
467821	59.4131	135.7828	7.	11.	3.	1.03	-5.	-5.	-5.	59.	-20.	-15.	-5.	-10.	-15.
467824	59.4456	135.8269	7.	11.	6.	.46	-5.	-5.	-5.	90.	-20.	-15.	-5.	-10.	-15.
467828	59.4875	135.8389	7.	6.	13.	.76	-5.	-5.	-5.	49.	-20.	-15.	-5.	-10.	-15.
467830	59.4967	135.9017	10.	9.	5.	1.15	-5.	-5.	-5.	154.	-20.	40.	-5.	-10.	-15.
467832	59.4967	136.0661	6.	146.	10.	2.07	-5.	-5.	-5.	50.	-20.	26.	-5.	-10.	-15.
467833	59.4753	136.0375	7.	192.	10.	3.65	-5.	-5.	-5.	60.	-20.	23.	-5.	-10.	-15.
467835	59.4244	136.0567	7.	101.	3.	3.14	-5.	-5.	-5.	59.	-20.	56.	-5.	-10.	-15.
467836	59.4133	136.1028	7.	154.	5.	2.89	-5.	-5.	-5.	44.	-20.	67.	-5.	-10.	-15.
467839	59.4728	135.9861	8.	108.	3.	1.75	-5.	-5.	-5.	27.	-20.	-15.	-5.	-10.	-15.
467840	59.4617	135.9592	-999.	-999.	10.	3.57	-5.	-5.	-5.	14.	-20.	-15.	11.	-10.	-15.
467841	59.4564	135.9533	-999.	78.	10.	3.57	-5.	-5.	-5.	26.	-20.	-15.	12.	-10.	-15.
467844	59.4103	135.9133	7.	310.	-999.	.08	-5.	-5.	-5.	157.	-20.	61.	-5.	-10.	-15.
467845	59.3672	135.7997	8.	210.	-999.	.10	5.	-5.	-5.	185.	-20.	53.	-5.	-10.	-15.
467848	59.3392	135.8783	8.	125.	5.	2.45	-5.	-5.	-5.	88.	-20.	28.	-5.	-10.	-15.
467849	59.3272	135.9058	8.	118.	6.	3.36	-5.	-5.	-5.	69.	-20.	46.	-5.	-10.	-15.
467850	59.3072	135.8733	8.	216.	3.	2.40	-5.	-5.	-5.	93.	-20.	39.	5.	-10.	-15.
467851	59.2933	135.8228	8.	119.	-999.	1.84	-5.	-5.	-5.	50.	-20.	62.	-5.	-10.	-15.
467852	59.2953	135.8206	8.	90.	-999.	1.66	-5.	-5.	-5.	52.	-20.	35.	-5.	-10.	-15.
467855	59.2600	136.1422	8.	47.	6.	1.78	-5.	-5.	-5.	49.	-20.	28.	-5.	-10.	-15.
467856	59.2953	136.1372	7.	284.	4.	6.50	-5.	-5.	16.	145.	-20.	84.	-5.	-10.	24.
467857	59.2886	136.1747	7.	62.	10.	2.64	-5.	-5.	-5.	74.	-20.	72.	-5.	-10.	-15.
467858	59.2831	136.1917	7.	43.	4.	4.12	-5.	-5.	-5.	63.	-20.	59.	-5.	-10.	-15.
467859	59.2725	136.2647	7.	237.	6.	2.82	-5.	-5.	-5.	47.	-20.	25.	-5.	-10.	-15.
467860	59.2761	136.3008	8.	130.	3.	2.83	-5.	-5.	-5.	76.	-20.	27.	-5.	-10.	-15.
467861	59.2794	136.3436	8.	93.	9.	3.24	-5.	-5.	-5.	64.	-20.	42.	-5.	-10.	-15.
467862	59.2928	136.3583	7.	246.	3.	2.61	-5.	-5.	-5.	68.	-20.	28.	-5.	-10.	-15.
467863	59.3094	136.4092	8.	177.	8.	4.70	-5.	-5.	-5.	99.	-20.	62.	-5.	-10.	-15.
467864	59.3097	136.4078	8.	146.	8.	3.92	-5.	-5.	-5.	75.	-20.	39.	-5.	-10.	-15.
467865	59.3122	136.3992	8.	41.	4.	2.14	-5.	-5.	-5.	42.	-20.	41.	-5.	-10.	-15.
467866	59.3069	136.3931	8.	45.	3.	2.81	-5.	-5.	-5.	54.	-20.	39.	-5.	-10.	-15.
467867	59.2983	136.3311	8.	49.	-999.	12.14	-5.	-5.	-5.	33.	-20.	-15.	-5.	-10.	-15.
467868	59.3111	136.3639	8.	6.	3.	2.74	-5.	-5.	6.	74.	-20.	47.	-5.	-10.	-15.
467869	59.3244	136.1453	8.	32.	3.	5.09	-5.	-5.	6.	106.	-20.	60.	-5.	-10.	-15.
467870	59.3392	136.1619	5.	52.	12.	6.84	-5.	-5.	6.	110.	-20.	101.	-5.	-10.	16.
467871	59.3383	136.1625	8.	129.	12.	7.67	-5.	-5.	10.	122.	-20.	102.	-5.	-10.	-15.
467873	59.3842	136.3408	8.	183.	4.	2.64	-5.	-5.	-5.	92.	-20.	72.	-5.	-10.	-15.
467874	59.3878	136.3725	8.	47.	-999.	1.90	-5.	-5.	5.	92.	-20.	-15.	25.	-10.	-15.
467875	59.3989	136.3489	7.	585.	5.	3.55	-5.	-5.	-5.	98.	-20.	99.	-5.	-10.	-15.
467876	59.4200	136.3089	8.	81.	5.	2.13	-5.	-5.	-5.	98.	-20.	76.	20.	-10.	21.
467877	59.4194	136.4175	8.	58.	5.	1.41	-5.	-5.	-5.	73.	-20.	42.	-5.	-10.	-15.
467879	59.4414	136.3258	8.	145.	9.	3.97	-5.	-5.	-5.	62.	-20.	63.	7.	-10.	-15.
467880	59.4542	136.4633	9.	7.	-999.	4.64	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.	-15.
467882	59.4611	136.2264	8.	70.	-999.	4.26	-5.	-5.	8.	-10.	-20.	17.	-5.	12.	-15.
467883	59.4608	136.2281	8.	83.	-999.	8.79	-5.	-5.	-5.	33.	-20.	-15.	-5.	-10.	-15.
467884	59.4700	136.1744	8.	74.	3.	3.57	-5.	-5.	-5.	50.	-20.	37.	-5.	-10.	-15.
467886	59.4753	136.1394	9.	5.	10.	3.20	-5.	-5.	-5.	86.	-20.	69.	6.	-10.	-15.
467892	59.3658	136.1736	8.	107.	10.	6.00	-5.	-5.	8.	113.	-20.	126.	-5.	-10.	-15.
467894	59.3383	136.2283	8.	6.	-999.	1.18	-5.	-5.	-5.	18.	-20.	41.	-5.	-10.	-15.
467895	59.3514	136.1983	8.	143.	4.	6.43	-5.	-5.	7.	64.	-20.	75.	-5.	-10.	-15.

SKAGWAY STREAM SEDIMENTS

PG. TWO - SAMPLE SET 3

SAMPLE NO.	RE PPM	PPM	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
467820	-999.	-999.	814.0.	-0.	-219.	69430.	54.	-212.	18.1	-9.	-1.6	7.	2.6	83580.	6.7	-7189.	20.
467821	-999.	-999.	76330.	-0.	-216.	57790.	43.	-188.	14.5	-9.	-1.7	5.	1.9	57500.	6.0	-6272.	21.
467824	-999.	-999.	85310.	-0.	-213.	65290.	50.	-212.	18.1	-10.	-1.7	6.	2.2	69470.	3.8	-6619.	22.
467828	-999.	-999.	97060.	-0.	561.	45100.	38.	-230.	6.2	-8.	-1.2	5.	1.3	29600.	3.3	9259.	-10.
467830	-999.	-999.	72460.	-0.	447.	35190.	52.	-170.	26.3	62.	-2.2	5.	1.7	70490.	7.3	10630.	-16.
467832	-999.	-997.	78880.	-0.	-203.	43270.	42.	-157.	25.8	58.	-2.0	3.	1.3	65480.	3.8	10620.	-19.
467833	-999.	-999.	73440.	-0.	833.	29670.	54.	-142.	23.1	101.	-2.7	5.	1.3	52470.	6.4	18120.	-26.
467835	-999.	-999.	73640.	-0.	942.	17910.	54.	-126.	29.7	119.	-2.7	6.	1.4	56530.	3.8	12310.	28.
467836	-999.	-999.	56080.	-0.	958.	45640.	60.	-135.	26.0	206.	-2.2	4.	1.8	68940.	5.7	6585.	37.
467839	-999.	-999.	61090.	-0.	404.	51590.	86.	-182.	16.9	-10.	-1.8	7.	2.8	76880.	8.4	9056.	35.
467840	-999.	-999.	71940.	-0.	1562.	28210.	58.	-155.	4.9	17.	-1.6	4.	1.9	35140.	8.1	17120.	32.
467841	-999.	-999.	83170.	-0.	1521.	37190.	63.	-178.	6.2	25.	-2.0	6.	2.1	36050.	8.2	17190.	33.
467844	-999.	-999.	44240.	-0.	-177.	79200.	-5.	-106.	69.7	-13.	-2.7	2.	.6	166100.	-1.4	-4256.	-6.
467845	-999.	-999.	49350.	-0.	-178.	104600.	28.	-127.	72.3	-20.	-3.9	3.	.8	146700.	-2.2	-5422.	-7.
467848	-999.	-999.	57830.	-0.	-238.	28650.	39.	-152.	25.4	97.	-2.2	4.	1.3	68150.	3.7	-5584.	19.
467849	-999.	-999.	74670.	-0.	417.	33390.	79.	-126.	22.8	122.	-2.3	6.	1.6	60090.	4.2	9286.	33.
467850	-999.	-999.	63880.	-0.	393.	49600.	35.	-148.	24.7	141.	-2.2	4.	1.3	68980.	2.6	9988.	21.
467851	-999.	-999.	76260.	-0.	447.	50280.	29.	-141.	23.0	83.	-2.6	5.	1.1	57130.	2.4	-5295.	12.
467852	-999.	-999.	69810.	-0.	-219.	50870.	36.	256.	26.4	83.	-2.1	5.	1.6	82770.	2.7	-5331.	22.
467855	-999.	-999.	52120.	-0.	431.	109800.	52.	-117.	20.8	162.	-1.8	4.	1.0	41750.	3.2	7084.	22.
467856	-999.	-999.	55050.	-0.	1954.	5927.	75.	-127.	22.7	71.	6.6	8.	2.0	83530.	3.4	12150.	32.
467857	-999.	-999.	71650.	-0.	1094.	45420.	46.	-145.	23.4	122.	-2.2	5.	1.3	64020.	2.9	8092.	17.
467858	-999.	-999.	63010.	-0.	1367.	44330.	37.	-124.	18.4	163.	-1.8	5.	1.5	55840.	3.8	10260.	29.
467859	-999.	-999.	54910.	-0.	717.	77790.	40.	-150.	13.1	41.	-2.6	6.	1.0	39520.	3.5	12360.	17.
467860	-999.	-999.	46510.	-0.	655.	74720.	55.	-126.	33.6	68.	-1.6	5.	1.6	72560.	6.3	-4297.	19.
467861	-999.	-999.	50070.	-0.	1082.	50120.	45.	-124.	18.5	67.	-2.2	8.	1.9	55840.	3.3	11090.	27.
467862	-999.	-999.	60830.	-0.	824.	23710.	23.	-152.	10.6	45.	4.1	5.	1.3	60900.	4.1	10230.	18.
467863	-999.	-999.	46900.	-0.	2999.	10910.	39.	-99.	11.4	55.	-2.0	9.	1.7	45910.	2.8	12230.	25.
467864	-999.	-999.	38560.	-0.	1450.	13320.	51.	-92.	11.7	47.	2.5	6.	1.6	47770.	3.3	9770.	31.
467865	-999.	-999.	55320.	-0.	496.	54790.	59.	-157.	26.3	99.	-2.6	10.	2.1	74130.	5.0	-5546.	25.
467866	-999.	-999.	50320.	-0.	676.	76200.	41.	-116.	21.3	92.	-1.9	7.	1.6	58580.	3.7	-4211.	32.
467867	-999.	-999.	48210.	-0.	407.	26970.	-13.	-164.	13.9	-23.	4.2	4.	-7.	33960.	-2.8	-6475.	-14.
467868	-999.	-999.	69940.	-0.	1270.	36580.	28.	-136.	22.9	38.	2.9	5.	1.7	78680.	3.8	-5227.	19.
467869	-999.	-999.	61120.	-0.	2047.	5081.	46.	-120.	17.8	85.	6.0	7.	1.8	63210.	2.7	11830.	30.
467870	-999.	-999.	59600.	-0.	1683.	11130.	50.	-108.	16.8	89.	4.1	7.	2.0	71900.	4.1	10700.	37.
467871	-999.	-999.	55100.	-0.	2049.	7623.	30.	-100.	15.1	66.	6.4	8.	1.3	48210.	2.4	11570.	27.
467873	-999.	-999.	68620.	-0.	907.	26180.	56.	-159.	32.1	156.	-2.8	6.	1.5	63500.	3.2	10570.	27.
467874	-999.	-999.	52810.	-0.	781.	50720.	40.	-144.	45.9	59.	-2.0	8.	1.9	89010.	4.5	-4784.	27.
467875	-999.	-999.	49680.	-0.	1479.	34660.	31.	-125.	30.9	123.	-2.1	5.	1.7	72920.	1.9	5821.	76.
467876	-999.	-999.	62190.	-0.	930.	13340.	50.	-157.	41.0	190.	-2.9	5.	1.4	72130.	4.4	6591.	19.
467877	-999.	-999.	57400.	-0.	326.	41690.	36.	-138.	36.5	126.	-2.3	6.	1.5	75340.	2.5	-4903.	22.
467879	-999.	-999.	48570.	-0.	530.	30870.	44.	-128.	22.7	88.	4.7	4.	1.4	56060.	2.9	14240.	24.
467880	-999.	-999.	73220.	0.	688.	36070.	71.	-161.	7.1	40.	-1.7	5.	1.5	59530.	11.0	10140.	38.
467882	-999.	-999.	29210.	-0.	340.	17080.	-0.	-121.	6.0	-18.	-3.1	2.	-5.	164600.	-2.1	-5861.	-9.
467883	-999.	-999.	61140.	-0.	670.	21520.	46.	146.	10.3	28.	-2.1	3.	1.5	89490.	6.4	8906.	26.
467884	-999.	-999.	61260.	-0.	838.	33970.	45.	227.	13.0	86.	4.4	5.	1.3	40600.	3.7	12430.	17.
467886	-999.	-999.	78730.	-0.	491.	19040.	52.	-151.	26.1	101.	-2.5	4.	1.1	47490.	2.5	7292.	20.
467892	-999.	-999.	65410.	-0.	1978.	6815.	64.	-126.	22.5	142.	8.8	8.	1.9	75030.	2.6	8739.	24.
467894	-999.	-999.	72140.	-0.	370.	52660.	16.	332.	19.7	99.	-2.1	3.	.9	43120.	2.0	-4690.	12.
467895	-999.	-999.	46490.	-0.	1669.	16360.	36.	-139.	7.2	87.	-2.6	3.	1.3	47510.	3.5	-7337.	23.

SPURWAY STREAM SEDIMENTS

PG. 1 - SAMPLE

SAMPLE NO.	LU PPM	MG PPM	MN PPM	NA PPM	RB PPM	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	U/TH RATIO
467820	.4	12210.	2169.	26130.	-40.	-2.	14.6	7.8	1085.	-1.	1.	1.4	6333.	296.	4.4	206.	1.473
467821	.3	10640.	1853.	27050.	-44.	-2.	9.8	4.2	573.	-1.	1.	1.7	6290.	224.	2.5	-46.	1.650
467824	.4	15390.	1846.	31810.	-39.	-2.	16.4	6.2	1060.	-1.	2.	2.2	5688.	237.	4.7	271.	4.785
467828	.3	6275.	1680.	40320.	-36.	-3.	4.4	-4.4	1104.	-1.	1.	1.2	3810.	125.	-1.8	-101.	1.580
467830	.3	16900.	1373.	31910.	-54.	-6.	20.3	5.7	-386.	-2.	1.	1.9	9170.	241.	-2.9	80.	1.653
467832	.3	18790.	1272.	21150.	-49.	-5.	24.1	4.1	-397.	-1.	1.	4.0	4620.	189.	-2.5	-51.	1.934
467833	-.2	14780.	1085.	17900.	-65.	-7.	22.2	4.3	-369.	-1.	-1.	7.9	5402.	163.	-4.1	155.	2.165
467835	.3	19560.	1034.	13070.	-64.	-3.	19.0	3.3	-348.	-2.	-1.	4.4	7120.	199.	2.8	-132.	1.401
467836	.3	21760.	1078.	14990.	-47.	-2.	30.2	5.0	-377.	-2.	-1.	4.3	5246.	199.	2.7	-57.	1.488
467839	.5	11130.	2036.	23780.	-45.	-2.	11.2	6.9	-434.	-2.	1.	3.5	9193.	328.	4.7	113.	2.000
467840	.2	9402.	674.	24240.	-36.	-2.	11.4	5.8	-367.	-1.	-1.	8.6	3115.	54.	2.5	-45.	2.410
467841	.3	8537.	776.	28100.	-45.	-2.	11.4	6.2	-331.	-1.	-1.	10.7	2903.	73.	2.9	-51.	2.994
467844	-.1	41400.	1241.	7688.	-56.	-3.	81.9	1.8	-336.	-2.	-1.	-1.4	8002.	619.	-2.0	-67.	-999.000
467845	-.2	49160.	1524.	7280.	-77.	-4.	73.2	1.6	-358.	-2.	-2.	-2.1	9039.	618.	-3.1	-95.	-999.000
467848	.3	14030.	1240.	16750.	-51.	-2.	27.0	4.4	-436.	-1.	-1.	3.6	4896.	198.	-1.6	-60.	1.468
467849	.3	19380.	923.	14180.	-48.	-2.	24.9	6.7	-283.	-1.	-1.	7.1	4689.	214.	4.3	-53.	2.114
467850	.3	22710.	1396.	17460.	-43.	-2.	31.4	4.5	-375.	-1.	-1.	3.9	3684.	242.	2.9	-52.	1.626
467851	.2	25580.	1207.	17400.	-60.	-3.	19.5	2.4	-368.	-2.	-1.	2.2	6543.	224.	-1.9	-78.	1.196
467852	.3	23710.	1291.	15770.	-46.	-2.	30.0	-3.9	-412.	-1.	1.	2.6	7463.	221.	3.1	-54.	1.567
467855	.2	16380.	971.	16809.	-42.	-2.	14.0	2.6	507.	-1.	-1.	3.3	3843.	127.	1.6	-48.	1.855
467856	.4	5752.	1322.	11340.	-46.	10.	17.8	8.4	-415.	-1.	1.	4.3	2947.	243.	5.2	932.	.661
467857	.3	18170.	1254.	17540.	-45.	-2.	21.3	4.0	-322.	-2.	-1.	2.0	3133.	198.	2.8	161.	.758
467858	.4	14770.	1001.	16440.	-36.	-2.	23.5	5.8	610.	-1.	1.	3.6	3515.	250.	3.2	207.	.874
467859	.3	13270.	950.	17060.	-60.	-3.	15.0	2.8	-373.	-2.	-1.	4.3	3705.	163.	3.9	141.	1.524
467860	.2	17290.	1050.	16500.	-39.	4.	25.0	3.8	-334.	-1.	-1.	4.1	6480.	179.	3.2	-46.	1.449
467861	.6	10920.	1057.	13240.	-45.	-2.	21.5	5.6	-286.	-2.	-1.	3.2	4359.	210.	4.1	221.	.988
467862	.3	13400.	1183.	13790.	-51.	-2.	16.6	-3.0	-428.	-1.	-1.	2.3	4021.	194.	3.3	290.	.881
467863	.4	5853.	845.	11200.	-48.	-2.	13.1	4.1	-277.	-2.	1.	2.2	4477.	252.	3.9	340.	.468
467864	.4	5298.	633.	9232.	-33.	-1.	13.0	6.6	-264.	-1.	1.	2.9	2821.	164.	4.6	191.	.740
467865	.6	15960.	1505.	18270.	-51.	-3.	33.6	-6.3	-349.	-1.	-1.	4.0	6657.	216.	6.3	165.	1.869
467866	.5	15090.	1061.	12910.	-37.	-2.	26.5	6.1	-308.	-1.	2.	2.5	4610.	191.	4.1	-49.	.890
467867	-.2	12130.	721.	8946.	-99.	-4.	10.0	-1.2	-481.	-4.	-2.	-2.9	3063.	147.	-3.6	-122.	-999.000
467868	.4	11310.	1275.	14200.	-44.	-2.	22.4	4.8	-407.	-1.	1.	2.2	5185.	186.	3.1	-51.	.803
467869	.4	7082.	854.	14260.	-44.	7.	17.9	5.1	-268.	-2.	1.	3.5	3400.	289.	3.9	429.	.688
467870	.5	9657.	905.	12290.	-39.	6.	19.4	7.9	-298.	-1.	1.	3.8	3085.	311.	3.7	807.	.556
467871	.3	8770.	782.	13030.	-47.	8.	14.0	3.7	-264.	-2.	1.	2.2	4232.	343.	3.7	858.	.287
467873	.3	19940.	1504.	14490.	-60.	-3.	26.3	-5.6	-394.	-1.	-1.	3.3	4176.	235.	4.0	-60.	1.250
467874	.6	10470.	1284.	21480.	-44.	3.	33.8	6.5	-349.	-1.	2.	3.6	5621.	227.	7.1	323.	1.694
467875	.4	14970.	1029.	13410.	-44.	-2.	29.9	4.9	-367.	-1.	-1.	1.8	5476.	254.	3.5	-52.	.507
467876	.3	24080.	1363.	16620.	-60.	-3.	30.0	2.8	-373.	-2.	-1.	-1.7	6733.	246.	-2.6	-69.	-999.000
467877	.4	17750.	1250.	17590.	-45.	-2.	36.1	4.6	-360.	-1.	1.	1.9	8640.	234.	5.3	-58.	1.348
467879	.2	16410.	1224.	7812.	-49.	-2.	16.0	4.2	-456.	-1.	1.	3.8	3084.	109.	3.4	-62.	.957
467880	.5	5661.	1078.	26190.	-40.	-2.	11.7	5.2	507.	-1.	-1.	8.9	3577.	119.	4.3	-43.	1.919
467882	-.2	5282.	1169.	6085.	-99.	-3.	4.7	-8	-439.	-3.	-2.	-1.9	2606.	49.	-2.8	174.	-999.000
467883	.3	11150.	864.	14680.	-52.	-2.	16.3	5.3	-408.	-1.	-1.	4.5	3770.	114.	2.9	-65.	.512
467884	.3	14800.	749.	11910.	-61.	-3.	17.0	-3.7	-349.	-2.	-1.	4.8	3993.	141.	3.7	215.	1.344
467886	.3	21600.	1124.	21080.	-58.	-3.	16.9	2.7	-373.	-2.	-1.	4.2	4866.	204.	4.2	147.	1.312
467892	.5	13900.	1166.	13720.	-51.	8.	19.2	5.9	-313.	-2.	-1.	3.1	3700.	280.	4.0	648.	.512
467894	.2	21510.	1209.	21360.	-47.	-2.	21.4	-1.4	-334.	-1.	-1.	-1.2	3536.	158.	2.4	-59.	-999.000
467895	.3	9463.	1533.	6891.	-59.	-3.	17.9	4.3	-396.	-2.	-1.	-1.4	3211.	228.	-2.1	445.	-999.000

SKAGWAY STREAM SEDIMENTS

PG. ONE - SAMPLE SET 4

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NIOBIUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
467896	59.2350	135.4875	8.	48.	1.	1.10	-5.	-5.	-5.	144.	-20.	-15.	-5.	-10.	-15.
467904	59.2567	135.3567	8.	8.	6.	4.16	-5.	-5.	-5.	59.	-20.	40.	14.	-10.	17.
467905	59.2914	135.3636	9.	4.	8.	3.33	-5.	-5.	-5.	33.	-20.	32.	-5.	-10.	-15.
467906	59.3308	135.3614	8.	8.	2.	5.52	-5.	-5.	-5.	44.	-20.	50.	8.	-10.	-15.
467907	59.3700	135.3144	8.	1.	4.	32.23	-5.	-5.	-5.	17.	-20.	-15.	12.	-10.	-15.
467908	59.4044	135.3383	8.	2.	20.	4.23	-5.	-5.	-5.	14.	-20.	-15.	5.	-10.	16.
467909	59.4414	135.3119	8.	17.	8.	12.33	-5.	-5.	-5.	31.	-20.	-15.	23.	-10.	-15.
467910	59.4503	135.3044	7.	11.	10.	6.60	-5.	-5.	-5.	-10.	-20.	-15.	14.	-10.	-15.
467911	59.4750	135.2847	7.	17.	8.	3.87	-5.	-5.	-5.	-10.	-20.	-15.	11.	-10.	-15.
467912	59.4847	135.1897	8.	8.	11.	19.65	-5.	-5.	-5.	-10.	-20.	-15.	6.	-10.	-15.
467913	59.4797	135.3342	8.	36.	4.	12.75	-5.	-5.	-5.	21.	-20.	18.	43.	-10.	-15.
467914	59.4983	135.3606	8.	5.	6.	3.24	-5.	-5.	-5.	-10.	-20.	-15.	15.	-10.	-15.
467915	59.3350	135.4353	7.	3.	16.	6.26	-5.	-5.	-5.	16.	-20.	-15.	10.	-10.	-15.
467916	59.3283	135.4489	7.	1.	10.	5.25	-5.	-5.	-5.	-10.	-20.	16.	-5.	-10.	-15.
467917	59.3167	135.5081	7.	3.	6.	2.58	-5.	-5.	-5.	33.	-20.	-15.	6.	-10.	-15.
467918	59.3133	135.5431	7.	113.	5.	1.47	-5.	-5.	-5.	118.	-20.	34.	-5.	-10.	-15.
467919	59.3000	135.5142	7.	99.	2.	6.64	-5.	-5.	-5.	140.	-20.	19.	-5.	-10.	-15.
467920	59.2675	135.4428	8.	38.	2.	2.14	-5.	-5.	-5.	88.	-20.	29.	-5.	-10.	-15.
467921	59.3303	135.7425	8.	49.	-999.	10.17	-5.	-5.	-5.	51.	-20.	-15.	-5.	-10.	-15.
467922	59.2514	135.6736	6.	227.	5.	5.28	-5.	-5.	-5.	25.	-20.	-15.	-5.	-10.	-15.
467923	59.2483	135.5933	7.	131.	1.	4.05	-5.	-5.	-5.	36.	-20.	19.	-5.	-10.	-15.
467924	59.2242	135.5531	7.	209.	1.	2.92	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
467925	59.2158	135.5336	8.	43.	11.	1.59	-5.	-5.	-5.	26.	-20.	-15.	-5.	-10.	-15.
467926	59.1717	135.4800	8.	50.	5.	1.50	-5.	-5.	-5.	61.	-20.	21.	-5.	-10.	-15.
467927	59.1300	135.4506	8.	42.	6.	1.83	-5.	-5.	-5.	60.	-20.	42.	-5.	-10.	15.
467928	59.1178	135.4431	8.	95.	1.	2.77	-5.	-5.	-5.	48.	-20.	85.	-5.	-10.	-15.
467929	59.0614	135.3917	8.	71.	2.	2.11	-5.	-5.	-5.	42.	-20.	26.	-5.	-10.	-15.
467930	59.0331	135.2006	8.	5.	6.	1.98	-5.	-5.	-5.	15.	-20.	-15.	-5.	-10.	-15.
467931	59.0522	135.1967	8.	17.	9.	10.34	-5.	-5.	-5.	24.	-20.	-15.	7.	-10.	18.
467932	59.0694	135.2017	7.	15.	9.	4.46	-5.	-5.	-5.	10.	-20.	18.	12.	-10.	-15.
467933	59.0658	135.2025	7.	27.	9.	5.48	-5.	-5.	-5.	29.	-20.	22.	6.	-10.	-15.
467934	59.1036	135.2206	7.	21.	5.	5.87	-5.	-5.	-5.	32.	-20.	34.	-5.	-10.	-15.
467935	59.1461	135.2464	8.	11.	-999.	3.63	-5.	-5.	-5.	18.	-20.	-15.	21.	-10.	-15.
467936	59.1856	135.2769	7.	10.	28.	6.87	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.	-15.
467937	59.2339	135.2353	8.	5.	11.	4.37	-5.	-5.	-5.	19.	-20.	18.	-5.	-10.	-15.
467938	59.2336	135.2789	7.	4.	2.	5.30	-5.	-5.	-5.	24.	-20.	27.	5.	-10.	-15.
467939	59.2425	135.3433	7.	1.	2.	4.01	-5.	-5.	-5.	69.	-20.	37.	-5.	-10.	-15.
467940	59.2175	135.3105	7.	5.	1.	2.05	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
467941	59.2246	135.2839	7.	14.	2.	9.81	-5.	-5.	-5.	18.	-20.	27.	8.	-10.	-15.
467942	59.2136	135.2639	7.	12.	6.	4.26	-5.	-5.	-5.	15.	-20.	-15.	10.	-10.	-15.

SKAGWAY STREAM SEDIMENTS

PG. TWO SAMPLE SET 4

SAMP. E	BE	LI	AL	AU	BA	CA	CE	CL	CO	CR	CS	DY	EU	FE	HF	K	LA
PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH
467900	-999.	-999.	31810.	-0.	-307.	1711.	-13.	-199.	-1.	-29.	-3.8	3.	-8.	12110.	-2.8	-6087.	-19.
467904	-999.	-999.	73900.	-0.	788.	42560.	86.	-150.	21.3	122.	-2.5	5.	1.3	57150.	4.6	10780.	38.
467905	-999.	-999.	72520.	-0.	867.	35660.	64.	-151.	12.2	86.	-1.9	4.	1.4	51670.	5.8	13550.	41.
467906	-999.	-999.	70480.	-0.	1500.	32380.	70.	228.	13.7	72.	-2.5	6.	1.4	38640.	4.3	12370.	41.
467907	-999.	-999.	70500.	-0.	1319.	30690.	102.	-163.	7.1	23.	-2.2	6.	1.8	45860.	11.3	13660.	59.
467908	-999.	-999.	67230.	-0.	721.	44720.	167.	-173.	13.5	21.	-2.1	5.	1.7	69110.	22.5	-5945.	86.
467909	-999.	-999.	82630.	-0.	1184.	24810.	84.	-174.	4.2	-12.	-2.0	4.	1.6	41210.	8.7	15210.	47.
467910	-999.	-999.	79720.	-0.	1721.	28900.	89.	-147.	7.0	26.	-2.2	5.	1.4	37450.	8.6	17730.	44.
467911	-999.	-999.	71400.	-0.	1262.	29360.	154.	-128.	-999.0	-7.	-1.2	5.	1.5	14210.	20.7	16870.	92.
467912	-999.	-999.	79090.	-0.	898.	49580.	148.	-160.	8.5	18.	-2.1	7.	2.1	42740.	59.9	9823.	87.
467913	-999.	-999.	73310.	-0.	1057.	30810.	82.	-174.	2.5	38.	-2.3	5.	1.6	42750.	8.6	20560.	50.
467914	-999.	-999.	80270.	-0.	1486.	28580.	71.	-135.	2.7	20.	-1.3	3.	1.1	16000.	6.7	14280.	39.
467915	-999.	-999.	70920.	-0.	1220.	31750.	121.	225.	5.0	-10.	-1.7	5.	1.9	38210.	17.7	13990.	68.
467916	-999.	-999.	73410.	-0.	863.	37880.	98.	-165.	8.1	59.	-2.2	6.	1.9	37150.	21.9	8497.	52.
467917	-999.	-999.	71180.	-0.	558.	30990.	35.	-194.	8.5	34.	-2.2	5.	1.9	45380.	4.5	12890.	19.
467918	-999.	-999.	69960.	-0.	302.	52500.	25.	-168.	26.7	75.	-2.6	4.	1.0	56080.	4.3	-5739.	17.
467919	-999.	-999.	66210.	-0.	524.	35940.	28.	-164.	18.6	76.	-1.8	4.	1.2	64780.	5.6	-5439.	21.
467920	-999.	-999.	76160.	-0.	700.	49230.	60.	-165.	23.2	63.	-2.5	4.	1.2	60770.	6.2	11870.	27.
467921	-999.	-999.	73460.	-0.	404.	33760.	51.	-176.	11.2	24.	2.3	6.	1.8	74470.	14.7	13560.	28.
467922	-999.	-999.	71140.	-0.	577.	44270.	57.	232.	17.4	32.	-2.1	5.	1.1	59720.	11.2	8902.	29.
467923	-999.	-999.	68580.	-0.	548.	35440.	35.	-204.	18.8	47.	-2.9	4.	1.4	67930.	-1.7	13100.	-10.
467924	-999.	-999.	61360.	-0.	542.	47080.	37.	-200.	18.3	31.	-1.9	4.	1.1	46480.	4.3	10490.	22.
467925	-999.	-999.	78550.	-0.	241.	51950.	26.	-150.	16.8	31.	-2.0	3.	1.0	45490.	3.0	-5398.	14.
467926	-999.	-999.	59690.	-0.	-198.	46740.	28.	-136.	23.2	92.	-2.3	4.	.9	60820.	3.0	8117.	16.
467927	-999.	-999.	61290.	-0.	245.	99340.	34.	-141.	9.3	82.	-1.9	5.	1.3	70930.	2.3	-4700.	22.
467928	-999.	-999.	81680.	-0.	-171.	72590.	64.	-127.	25.5	147.	3.1	5.	1.3	62350.	4.3	-4692.	29.
467929	-999.	-999.	70440.	-0.	416.	40440.	58.	-144.	21.2	72.	-1.9	5.	1.6	55920.	4.4	7773.	22.
467930	-999.	-999.	72140.	-0.	411.	41820.	54.	-135.	10.3	45.	-1.7	4.	1.2	39580.	6.8	-4369.	23.
467931	-999.	-999.	69180.	-0.	415.	40400.	197.	-147.	11.5	76.	-1.6	11.	1.2	34400.	16.2	8604.	110.
467932	-999.	-999.	65100.	-0.	1129.	29410.	63.	252.	7.1	35.	-2.6	4.	1.5	40450.	7.9	13840.	37.
467933	-999.	-999.	68350.	-0.	906.	36740.	54.	-184.	10.4	85.	-3.0	4.	1.1	48300.	6.9	12530.	33.
467934	-999.	-999.	59820.	-0.	852.	36880.	117.	-126.	12.1	72.	-1.9	7.	1.3	20920.	7.5	12090.	63.
467935	-999.	-999.	71480.	-0.	680.	35770.	66.	-140.	8.3	20.	-1.4	5.	1.0	30490.	4.4	16540.	30.
467936	-999.	-999.	72570.	-0.	990.	52250.	160.	-138.	5.9	25.	-1.9	7.	2.2	32080.	21.4	11590.	93.
467937	-999.	-999.	74880.	-0.	1590.	39800.	84.	-143.	12.1	84.	-1.9	5.	1.8	42360.	7.7	14970.	41.
467938	-999.	-999.	68450.	-0.	1504.	39160.	81.	-146.	10.0	71.	-2.0	5.	1.5	35140.	8.0	18380.	42.
467939	-999.	-999.	70050.	-0.	663.	49000.	95.	-171.	25.0	90.	-2.3	5.	1.5	69010.	5.1	11320.	47.
467940	-999.	-999.	60950.	-1.	-1728.	-12820.	-81.	-707.	-8.	-123.	-18.4	-15.	-4.6	40350.	-15.0	-27500.	-77.
467941	-999.	-999.	68710.	-0.	1310.	35170.	122.	-147.	8.5	76.	-1.9	7.	1.9	40480.	12.8	14370.	64.
467942	-999.	-999.	64850.	-0.	1010.	32340.	63.	-145.	12.0	59.	-2.0	4.	1.3	34690.	8.2	11740.	36.

SKAGWAY STREAM SEDIMENTS

PG. THREE - SAMPLE SET 4

SAMPLE NO.	LU PPM	MG PPM	MN PPM	NA PPM	RB PPM	SB PPM	SC PPM	SH PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	U/TH RATIO
467896	-.3	-3407.	289.	9096.	-91.	-4.	9.1	-1.4	-435.	-4.	-2.	-2.7	2527.	63.	-3.8	-97.	-999.000
467904	.3	18800.	1220.	15680.	-54.	-3.	22.0	7.1	-354.	-1.	-2.	13.4	5356.	141.	4.2	-109.	3.226
467905	.4	17080.	1088.	21970.	-38.	-2.	19.1	6.3	-372.	-3.	-1.	12.7	4496.	104.	3.2	130.	3.817
467906	.2	19620.	1022.	19130.	-61.	-3.	13.2	5.2	-399.	-1.	-2.	10.3	5313.	120.	2.7	172.	1.866
467907	.4	11440.	1259.	13850.	-48.	-2.	18.8	11.1	-495.	-1.	-1.	12.5	4060.	74.	-1.7	-57.	.388
467908	.4	11170.	1766.	22510.	-43.	-2.	24.8	10.8	-367.	-1.	-1.	17.3	24640.	124.	4.1	-48.	4.082
467909	.3	8487.	1265.	20330.	-43.	-2.	11.3	8.0	-459.	-1.	-1.	11.1	3356.	57.	-1.8	145.	.900
467910	.4	9961.	1043.	22810.	-51.	-3.	13.6	5.3	-367.	-2.	-1.	13.2	4698.	68.	5.8	-70.	2.000
467911	.4	4305.	451.	26060.	-23.	-1.	11.7	12.1	597.	-1.	-1.	24.5	1302.	26.	4.5	-30.	6.329
467912	.7	10490.	1099.	24690.	-42.	-2.	20.8	15.0	-313.	-1.	2.	20.6	4765.	82.	5.9	-48.	1.048
467913	.4	9178.	1097.	18770.	-48.	-2.	13.3	8.7	-464.	-1.	-1.	10.2	3853.	87.	4.1	156.	.800
467914	.2	3416.	554.	29760.	-81.	-1.	6.8	3.9	595.	-1.	-1.	8.5	1916.	23.	2.4	-38.	2.625
467915	.3	7482.	775.	22390.	-42.	-2.	12.5	11.4	561.	-1.	-1.	14.6	4074.	68.	4.9	-50.	2.331
467916	.3	11480.	1008.	23230.	-45.	-2.	18.2	6.7	525.	-1.	-1.	9.2	5565.	97.	3.1	-78.	1.751
467917	.3	8764.	1303.	24950.	-44.	-2.	16.9	4.1	-472.	-1.	-1.	3.5	5149.	155.	1.9	142.	1.357
467918	.3	19750.	1465.	25100.	-59.	-3.	23.6	2.7	-408.	-2.	-1.	2.8	7192.	229.	-2.0	-75.	1.905
467919	.3	10780.	1125.	24790.	-42.	-2.	18.6	3.0	564.	-1.	-1.	1.7	5259.	190.	-1.5	-53.	.256
467920	.3	17700.	1051.	23090.	-53.	-3.	25.9	3.9	-335.	-1.	-1.	5.6	6186.	215.	3.2	129.	2.618
467921	.5	8553.	1492.	26010.	-40.	-2.	11.1	5.6	-427.	1.	1.	3.5	5418.	250.	4.5	135.	.344
467922	.4	17630.	1253.	23200.	-49.	-2.	18.4	2.9	-344.	-2.	-1.	8.0	5450.	188.	3.5	-60.	1.515
467923	.3	19630.	1091.	18230.	-70.	-3.	21.5	4.1	-591.	-2.	-1.	4.0	5106.	160.	-2.2	-80.	.988
467924	.2	16500.	2366.	21150.	-43.	-2.	16.7	3.6	-449.	-1.	-1.	3.9	2898.	125.	3.4	78.	1.335
467925	.3	15760.	1438.	20210.	-47.	-2.	13.7	2.3	-379.	-2.	-1.	2.0	3763.	148.	1.9	-55.	1.258
467926	.2	15710.	1261.	17480.	-54.	-3.	22.8	2.6	-374.	-2.	-1.	3.4	6151.	180.	2.9	-67.	2.268
467927	.2	17100.	1085.	17230.	-43.	-2.	25.5	4.1	-296.	-1.	-1.	3.0	8224.	216.	3.0	-52.	1.639
467928	.3	24540.	946.	13280.	-58.	-3.	23.1	5.5	-321.	-1.	-1.	7.2	7476.	176.	3.2	116.	2.597
467929	.3	16480.	937.	28750.	-40.	-2.	24.8	4.8	-313.	-1.	2.	5.5	7228.	160.	3.1	-48.	2.604
467930	.3	11690.	845.	23000.	-43.	-2.	15.1	4.1	387.	-1.	-1.	5.3	5988.	93.	3.4	-53.	2.674
467931	.6	11260.	1127.	19700.	-35.	-2.	20.1	17.7	-307.	-1.	2.	19.5	2735.	80.	8.7	-43.	4.785
467932	-.2	8961.	583.	17730.	-64.	-3.	10.9	7.1	-369.	-2.	-2.	8.1	4068.	81.	-2.4	-74.	1.815
467933	-.2	15920.	1061.	17030.	-65.	-3.	17.3	4.6	-501.	-2.	-1.	7.3	6029.	121.	-2.7	396.	1.332
467934	.4	11120.	831.	18420.	-43.	-2.	15.9	7.7	-327.	-1.	2.	25.0	2904.	82.	4.5	-56.	4.255
467935	.3	7678.	754.	24150.	-25.	-1.	18.9	4.8	-258.	-1.	-1.	10.9	1348.	77.	2.7	-37.	3.003
467936	.5	7686.	780.	25120.	-39.	-2.	18.2	12.0	365.	-1.	-1.	25.4	2768.	67.	5.6	-49.	3.704
467937	.4	16390.	825.	23430.	-40.	-2.	15.7	6.7	-331.	-1.	-1.	12.2	4265.	99.	3.6	-46.	2.793
467938	.3	13870.	759.	21230.	-47.	-2.	12.6	5.3	558.	-1.	-1.	11.6	4445.	94.	3.5	101.	2.188
467939	.2	20890.	1436.	19500.	-49.	-2.	33.5	5.3	595.	-1.	-1.	10.0	7584.	248.	2.6	-64.	2.494
467940	-1.5	-13550.	1710.	12670.	-531.	-20.	12.1	-8.3	-999.	-15.	-11.	-14.9	-6423.	155.	-20.2	-559.	-999.000
467941	.4	12110.	894.	22040.	59.	-2.	16.6	9.5	-344.	-1.	-1.	20.2	5302.	108.	5.4	-53.	2.058
467942	.2	8646.	930.	19600.	-48.	-2.	12.3	4.2	-382.	-1.	-1.	10.0	4014.	93.	2.3	120.	2.347

Appendix B. Lake Sediment Data

SKAGWAY LAKE SEDIMENTS

Appendix B. Lake Sediment Data

PG. ONE - SAMPLE SET 1

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NIOBIMUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
467597	59.2397	135.1356	7.	7.	-999.	3.90	-5.	-5.	-5.	-10.	-20.	-15.	5.	-10.	-15.
467598	59.2444	135.1344	7.	11.	-999.	7.30	-5.	-5.	-5.	-10.	-20.	-15.	8.	-10.	-15.
467599	59.2414	135.1250	7.	7.	-999.	7.28	-5.	-5.	-5.	28.	-20.	-15.	6.	-10.	-15.
467600	59.2286	135.1122	7.	6.	-999.	5.16	-5.	-5.	-5.	17.	-20.	17.	6.	-10.	-15.
467601	59.2447	135.0428	7.	11.	-999.	8.11	-5.	-5.	-5.	29.	-20.	34.	7.	-10.	-15.
467604	59.1497	135.1203	7.	10.	-999.	3.64	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
467606	59.1542	135.1683	6.	6.	-999.	4.00	-5.	-5.	-5.	13.	-20.	-15.	5.	-10.	-15.
467607	59.1631	135.2033	6.	4.	-999.	7.66	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.	-15.
467608	59.1778	135.2158	6.	3.	-999.	3.41	-5.	-5.	-5.	-10.	-20.	-15.	8.	-10.	-15.
467609	59.1978	135.1617	6.	6.	-999.	6.38	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.	-15.
467610	59.1994	135.1719	4.	6.	-999.	6.01	-5.	-5.	-5.	14.	-20.	-15.	9.	-10.	-15.
467611	59.2117	135.1214	6.	6.	-999.	8.07	-5.	-5.	-5.	15.	-20.	-15.	15.	-10.	-15.
467612	59.2003	135.2239	6.	12.	-999.	7.57	-5.	-5.	-5.	22.	-20.	-15.	6.	-10.	-15.
467613	59.1225	135.1881	6.	10.	-999.	5.96	-5.	-5.	-5.	31.	-20.	26.	13.	-10.	16.
467614	59.1208	135.1733	6.	9.	-999.	13.12	-5.	7.	-5.	28.	-20.	23.	-5.	-10.	-15.
467616	59.1797	135.3711	7.	18.	-999.	1.19	-5.	-5.	-5.	96.	-20.	-15.	-5.	-18.	-15.
467617	59.1325	135.3367	7.	108.	-999.	1.81	-5.	-5.	-5.	35.	-20.	17.	-5.	-10.	-15.
467618	59.0158	135.0369	7.	-999.	-999.	5.16	-5.	-5.	-5.	34.	-20.	23.	9.	-10.	-15.
467620	59.0281	135.4819	5.	6.	-999.	3.35	-5.	-5.	-5.	55.	-20.	22.	21.	-10.	-15.
467621	59.0256	135.4436	6.	6.	-999.	5.00	-5.	-5.	-5.	21.	-20.	-15.	-5.	-10.	-15.
467624	59.0714	135.4350	6.	43.	-999.	2.34	-5.	-5.	-5.	62.	-20.	149.	-5.	-10.	-15.
467628	59.1831	135.5878	6.	6.	-999.	2.10	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.	-15.
467629	59.1861	135.6122	5.	5.	-999.	3.60	-5.	-5.	-5.	60.	-20.	48.	-5.	-10.	-15.
467630	59.2508	135.3103	6.	5.	-999.	4.56	-5.	-5.	-5.	19.	-20.	16.	8.	-10.	-15.
467632	59.2550	135.1369	6.	6.	-999.	2.50	-5.	-5.	-5.	17.	-20.	-15.	9.	-10.	-15.
467633	59.2531	135.1297	5.	17.	-999.	7.23	-5.	-5.	-5.	-10.	-20.	-15.	6.	-10.	-15.
467634	59.2731	135.0869	5.	6.	-999.	5.27	-5.	-5.	-5.	56.	-20.	141.	-5.	-10.	-15.
467636	59.2972	135.0581	6.	8.	-999.	7.38	-5.	-5.	-5.	21.	-20.	22.	-5.	-10.	-15.
467637	59.3128	135.0589	6.	16.	-999.	8.37	-5.	-5.	-5.	34.	-20.	25.	5.	-10.	-15.
467638	59.3219	135.1022	6.	5.	-999.	4.72	-5.	-5.	-5.	23.	-20.	-15.	5.	-10.	-15.
467645	59.2803	135.1750	-999.	-999.	-999.	22.08	-5.	-5.	-5.	-10.	-20.	-15.	11.	-10.	-15.
467646	59.2850	135.1944	-999.	-999.	-999.	5.15	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.	-15.
467647	59.2778	135.2311	-999.	-999.	-999.	5.56	-5.	-5.	-5.	12.	-20.	-15.	15.	-10.	-15.
467648	59.2978	135.2689	9.	6.	-999.	4.47	-5.	-5.	-5.	11.	-20.	-15.	5.	-10.	-15.
467649	59.3111	135.2842	8.	6.	-999.	5.10	-5.	-5.	-5.	10.	-20.	29.	7.	-10.	-15.
467650	59.3206	135.2747	9.	6.	-999.	3.93	-5.	-5.	-5.	17.	-20.	-15.	13.	-10.	-15.
467651	59.3581	135.3156	8.	5.	-999.	13.07	-5.	10.	-5.	-10.	-20.	-15.	8.	-10.	-15.
467652	59.4031	135.2622	8.	5.	-999.	3.36	-5.	-5.	-5.	13.	-20.	-15.	8.	-10.	-15.
467653	59.4308	135.2783	7.	15.	-999.	15.96	-5.	-5.	-5.	-10.	-20.	-15.	12.	-10.	-15.
467654	59.4425	135.2631	7.	13.	-999.	5.91	-5.	-5.	-5.	-10.	-20.	-15.	12.	-10.	-15.
467655	59.4514	135.2553	7.	18.	-999.	16.15	-5.	-5.	-5.	-10.	-20.	-15.	20.	-10.	-15.
467659	59.4703	135.1114	8.	16.	-999.	4.53	-5.	-5.	-5.	16.	-20.	-15.	9.	-10.	-15.
467661	59.5428	135.1647	8.	21.	-999.	7.89	-5.	-5.	-5.	31.	-20.	18.	29.	-10.	-15.
467662	59.5481	135.1442	8.	7.	-999.	11.33	-5.	-5.	-5.	16.	-20.	-15.	19.	-10.	-15.
467665	59.5658	135.0561	8.	7.	-999.	14.15	-5.	-5.	-5.	-10.	-20.	-15.	25.	-10.	-15.
467666	59.5947	135.1356	8.	6.	-999.	5.69	-5.	-5.	-5.	11.	-20.	-15.	14.	-10.	-15.
467667	59.6233	135.1350	7.	42.	-999.	18.46	-5.	9.	6.	87.	-20.	22.	608.	226.	-15.
467668	59.5942	135.1697	8.	10.	-999.	11.66	-5.	-5.	-5.	14.	-20.	16.	33.	-10.	-15.
467669	59.6100	135.1753	8.	14.	-999.	7.93	-5.	-5.	-5.	-10.	-20.	-15.	35.	-10.	-15.
467670	59.6308	135.2122	8.	10.	-999.	6.28	-5.	-5.	-5.	-10.	-20.	-15.	11.	-10.	-15.

SKAGWAY LAKE SEDIMENTS

PG. TWO - SAMPLE SET 11

SAMPLE NO.	BE 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
467597	-999.	-999.	74680.	-0.	1273.	38920.	75.	-163.	-1.9	31.	-2.1	5.	1.7	28610.	11.0	14250.	43.
467598	-999.	-999.	63380.	-0.	1139.	25280.	64.	-164.	5.6	44.	-2.3	4.	1.5	17610.	8.3	14270.	47.
467599	-999.	-999.	34750.	-0.	1519.	43230.	96.	-196.	13.6	25.	-2.2	7.	2.1	60360.	12.5	15430.	47.
467600	-999.	-999.	70480.	-0.	952.	28540.	60.	-170.	6.0	53.	-2.6	3.	1.9	30070.	7.5	1356.	37.
467601	-999.	-999.	75460.	-0.	1302.	40420.	96.	-134.	12.5	100.	3.4	6.	1.6	44240.	7.9	12370.	53.
467604	-999.	-999.	65740.	-0.	968.	14730.	58.	315.	4.3	37.	-3.3	5.	1.4	35020.	12.1	14010.	41.
467606	-999.	-999.	66290.	-0.	1380.	32760.	72.	-149.	5.5	-12.	-2.1	6.	1.5	24900.	9.8	8752.	47.
467607	-999.	-999.	76050.	-0.	761.	52210.	133.	-181.	13.7	54.	-2.2	8.	2.7	75420.	35.6	11790.	66.
467608	-999.	-999.	83630.	-0.	935.	45690.	111.	-143.	5.1	16.	-1.7	5.	2.2	27990.	11.2	11960.	58.
467609	-999.	-999.	78950.	-0.	1360.	37750.	65.	-130.	7.0	14.	-1.9	5.	1.6	46800.	6.9	15090.	36.
467610	-999.	-999.	68990.	-0.	1304.	31240.	64.	-144.	6.6	20.	-2.1	5.	1.5	25660.	10.7	13520.	41.
467611	-999.	-999.	78310.	-0.	1364.	33710.	161.	-146.	3.6	-7.	-1.3	6.	1.9	26860.	15.6	17820.	92.
467612	-999.	-999.	75790.	-0.	929.	42240.	124.	172.	9.8	44.	-2.1	7.	1.7	37910.	13.2	12750.	62.
467613	-999.	-999.	69810.	-0.	858.	28510.	139.	-130.	12.6	73.	1.5	8.	1.6	45360.	11.9	13900.	68.
467614	-999.	-999.	53900.	-0.	-253.	42150.	416.	-169.	13.7	87.	-2.6	14.	1.5	47280.	26.9	-6424.	216.
467616	-999.	-999.	33990.	-0.	-222.	12940.	21.	532.	4.0	47.	-3.2	-2.	5.8	13910.	-2.3	-4297.	11.
467617	-999.	-999.	52930.	0.	511.	33340.	35.	448.	8.9	103.	-2.3	3.	1.1	29760.	6.4	7351.	19.
467618	-999.	-999.	79150.	-0.	1291.	36690.	87.	-167.	13.2	66.	-2.8	6.	1.9	49290.	5.8	18970.	44.
467620	-999.	-999.	77100.	-0.	391.	25700.	54.	-159.	14.1	58.	-2.3	5.	1.1	48540.	6.3	14900.	27.
467621	-999.	-999.	72330.	-0.	460.	29470.	77.	-162.	13.7	36.	1.8	6.	1.7	63030.	14.1	13150.	38.
467624	-999.	-999.	79260.	-0.	213.	42030.	39.	-153.	31.0	225.	-2.9	7.	1.6	66910.	3.5	-4882.	20.
467628	-999.	-999.	74040.	-0.	-165.	45650.	36.	-149.	10.7	-9.	-1.6	4.	1.1	44430.	7.6	5829.	20.
467629	-999.	-999.	78400.	-0.	412.	35820.	45.	-143.	25.8	75.	2.2	5.	1.6	60780.	4.9	8795.	21.
467630	-999.	-999.	74100.	-0.	1164.	30840.	87.	-144.	9.8	54.	-2.2	4.	1.7	43810.	8.2	13370.	43.
467632	-999.	-999.	48800.	-0.	831.	18580.	32.	-156.	-1	52.	-2.1	2.	1.2	17820.	4.7	-4884.	27.
467633	-999.	-999.	73520.	-0.	1251.	37560.	84.	-158.	7.7	36.	-2.3	7.	1.7	35290.	17.0	16150.	51.
467634	-999.	-999.	60040.	-0.	1204.	47280.	61.	-150.	24.4	393.	2.4	6.	1.7	51570.	4.4	9736.	32.
467636	-999.	-999.	55030.	-0.	736.	38840.	181.	-134.	18.8	105.	-1.6	7.	1.9	60720.	12.8	-4810.	85.
467637	-999.	-999.	72790.	-0.	933.	44620.	105.	-158.	13.8	70.	-2.1	9.	1.5	41330.	8.2	8622.	53.
467638	-999.	-999.	64160.	-0.	1761.	28000.	81.	-121.	8.7	49.	-1.4	3.	1.5	36480.	6.7	9205.	52.
467643	-999.	-999.	75110.	-0.	1640.	25710.	99.	-152.	3.6	-14.	-2.3	5.	1.9	26490.	12.6	12580.	109.
467646	-999.	-999.	18640.	-0.	-410.	-2735.	20.	-159.	-2	24.	-2.8	-3.	-5	11960.	-2.3	-5205.	-63.
467647	-999.	-999.	87230.	-0.	1765.	20110.	72.	-174.	3.6	14.	-1.6	3.	1.2	18090.	4.3	18180.	-20.
467648	-999.	-999.	71050.	-0.	880.	46530.	106.	-138.	7.0	47.	-1.3	6.	1.9	30610.	11.8	12290.	61.
467649	-999.	-999.	69080.	-0.	1483.	29640.	133.	-125.	8.0	49.	-1.7	6.	1.4	32430.	9.5	17780.	79.
467650	-999.	-999.	70190.	-0.	1786.	20850.	73.	-141.	2.7	44.	2.5	4.	1.5	34250.	6.7	13710.	-20.
467651	-999.	-999.	69600.	-0.	1132.	35430.	403.	-151.	5.1	29.	-1.5	10.	2.1	23200.	58.9	17850.	271.
467652	-999.	-999.	87870.	-0.	1494.	40830.	77.	-181.	2.7	-11.	-1.8	7.	1.5	38370.	5.5	17140.	-22.
467653	-999.	-999.	74870.	-0.	1512.	22840.	115.	-143.	7.8	37.	-2.0	5.	1.5	37820.	8.0	16420.	82.
467654	-999.	-999.	76590.	-0.	1487.	22510.	95.	-158.	3.6	30.	-1.9	5.	1.5	37890.	11.0	19490.	62.
467655	-999.	-999.	102300.	-0.	1523.	19950.	96.	-179.	8.0	-13.	-2.2	7.	1.2	42840.	10.8	24640.	68.
467659	-999.	-999.	78090.	-0.	1410.	36320.	75.	-148.	5.2	-9.	-1.5	6.	1.4	21090.	7.3	12740.	39.
467661	-999.	-999.	47520.	-0.	1823.	14710.	60.	114.	7.0	54.	-1.4	5.	1.2	21880.	3.7	11570.	47.
467662	-999.	-999.	61420.	-0.	854.	16840.	77.	253.	-1	23.	-1.8	5.	1.3	30030.	10.2	16340.	-24.
467665	-999.	-999.	58160.	-0.	184.	1922.	47.	-111.	-959.0	-7.	1.8	7.	-2	5588.	7.1	33600.	37.
467666	-999.	-999.	62980.	-0.	1126.	18050.	48.	331.	-2	42.	-1.8	4.	1.5	21050.	17.0	20310.	-23.
467667	-999.	-999.	52300.	-0.	867.	17440.	40.	189.	8.3	-19.	-3.0	6.	1.0	29660.	3.4	11960.	-39.
467668	-999.	-999.	82370.	-0.	911.	16330.	81.	-136.	3.2	56.	5.8	5.	2.2	34150.	21.7	18060.	80.
467669	-999.	-999.	69000.	-0.	1764.	17550.	104.	-118.	3.2	-8.	-1.3	4.	1.2	16220.	9.4	24550.	72.
467670	-999.	-999.	67660.	-0.	1529.	23530.	168.	-128.	3.8	15.	-1.3	4.	1.9	25610.	19.1	13050.	122.

SKAGWAY LAKE SEDIMENTS

PG. THREE - SAMPLE SET 1

SAMPLE NO.	LU PPM	MG PPM	MM PPM	NA PPM	PB PPM	SD PPM	SC PPM	SN PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	U/TH RATIO
467597	.4	10860.	767.	74340.	-43.	-3.	15.5	5.9	621.	-1.	-1.	9.6	3858.	83.	3.7	-56.	2.463
467598	-1.1	8380.	539.	18740.	-54.	-3.	10.7	4.8	493.	-1.	-1.	6.9	3548.	62.	-2.5	138.	.945
467599	.4	16000.	1273.	22870.	103.	-3.	21.1	8.9	543.	-1.	-1.	15.3	5360.	143.	4.1	92.	2.101
467600	.2	9788.	594.	21680.	-55.	-4.	12.9	5.7	-383.	-2.	-2.	8.8	2991.	78.	3.7	94.	1.706
467601	.4	13510.	942.	18480.	-42.	-3.	16.7	8.1	629.	-1.	-1.	14.1	5531.	121.	3.9	-47.	1.739
467604	-2	9016.	402.	12680.	-74.	-3.	13.3	6.2	-394.	-2.	-2.	10.8	5661.	126.	-3.4	-82.	2.967
467606	.3	8731.	609.	19550.	-49.	-3.	10.9	5.4	-366.	-1.	-1.	7.6	4492.	55.	2.7	-55.	1.901
467607	.6	15550.	1900.	18430.	-49.	-3.	11.7	15.9	-423.	2.	-1.	16.9	16430.	160.	6.5	-46.	2.208
467608	.2	6485.	607.	28640.	-33.	-2.	13.0	10.0	669.	-1.	-1.	11.8	4321.	45.	2.6	85.	3.460
467609	.2	12190.	951.	17680.	-41.	-3.	17.7	5.8	-325.	-1.	-1.	10.1	4610.	80.	3.3	-47.	1.582
467610	.2	11470.	691.	20080.	-46.	-3.	13.8	5.2	556.	-1.	-1.	11.5	3530.	63.	4.1	180.	1.912
467611	.4	6676.	719.	26860.	38.	-2.	14.1	13.1	398.	-1.	-1.	29.9	2275.	53.	4.1	62.	3.650
467612	.3	12400.	895.	21760.	-45.	-3.	16.0	11.3	-333.	-1.	2.	19.4	4148.	96.	4.6	-90.	2.564
467613	.4	12520.	1076.	18910.	-37.	-1.	20.4	13.3	-324.	-2.	-1.	27.9	3908.	88.	6.1	-31.	4.673
467614	1.0	11790.	2224.	14450.	-49.	-1.	29.9	31.9	-487.	-2.	3.	87.7	1858.	70.	11.2	-66.	6.667
467616	-2	-2410.	235.	8529.	-74.	-2.	7.5	1.4	-338.	-4.	-2.	-2.2	2012.	47.	-1.9	-101.	-999.000
467617	.2	8163.	601.	17350.	-46.	-1.	19.3	3.6	-337.	3.	-1.	3.4	9236.	113.	2.4	-10.	1.880
467618	.3	14510.	790.	22490.	-56.	-1.	16.4	8.2	-412.	-2.	-2.	14.7	5063.	87.	3.8	187.	2.849
467620	.3	13320.	975.	26690.	-49.	-1.	15.8	3.8	-358.	-1.	-1.	7.5	6339.	132.	3.3	59.	2.237
467621	.5	10600.	1150.	10510.	-35.	-1.	13.4	7.9	593.	2.	-1.	10.4	6977.	120.	5.0	82.	2.079
467624	.3	24370.	773.	24360.	-60.	-1.	28.2	4.9	-343.	-2.	-1.	4.0	11350.	241.	2.9	-80.	1.709
467628	.2	8631.	1087.	26300.	-37.	-1.	10.1	3.0	-331.	-1.	-1.	3.0	4008.	111.	2.5	-47.	1.429
467625	.3	19830.	917.	23920.	-39.	-1.	18.7	5.4	-332.	-2.	-1.	5.8	4892.	118.	3.8	121.	1.610
467630	.2	10480.	694.	19690.	-46.	-1.	11.0	7.9	464.	-1.	-1.	9.9	4330.	65.	2.5	-52.	2.169
467632	.2	6941.	351.	14760.	-51.	-2.	10.2	3.5	-379.	-2.	-1.	5.6	2218.	61.	-1.8	-64.	2.242
467633	.3	8705.	858.	20520.	-50.	-2.	16.0	8.6	494.	-1.	-1.	13.1	4341.	101.	3.7	-69.	1.912
467634	.3	25430.	915.	13780.	-56.	-3.	20.7	5.5	-405.	-1.	-1.	7.7	6749.	194.	3.6	-66.	1.462
467636	.6	13910.	1325.	16900.	-36.	-2.	25.4	15.1	-362.	-1.	2.	27.1	10620.	136.	5.9	-43.	3.676
467637	.4	15960.	972.	24870.	-43.	-2.	19.2	11.3	584.	-1.	-1.	14.9	3467.	117.	4.3	-50.	1.779
467638	.3	10690.	691.	19470.	-35.	-4.	12.8	6.0	431.	-1.	-1.	9.3	3709.	76.	3.5	144.	1.969
467645	-2	6045.	622.	22020.	-55.	-1.	11.7	7.6	-347.	-2.	-1.	10.9	3173.	53.	-4.2	109.	.494
467646	-3	-3067.	135.	4417.	-79.	-9.	3.8	-3.7	-471.	-2.	-2.	2.8	-1244.	35.	-5.5	-94.	.544
467647	.2	6424.	404.	28130.	-42.	-5.	5.3	5.0	430.	-1.	-1.	9.1	2267.	29.	-2.6	-100.	1.637
467648	.3	7943.	821.	25010.	-32.	-4.	15.3	10.8	473.	-1.	-1.	11.3	2994.	60.	5.5	-34.	2.525
467649	.2	10750.	713.	22760.	-43.	-5.	12.0	8.5	-278.	-1.	-1.	18.9	3597.	77.	8.9	95.	3.704
467650	.5	8490.	439.	20690.	93.	-5.	9.6	5.3	-325.	-1.	-1.	11.3	3412.	68.	-2.4	-40.	2.857
467651	.6	6949.	991.	26580.	-37.	-5.	11.7	18.9	533.	-1.	-1.	62.9	7087.	51.	13.1	-41.	4.808
467652	.3	8068.	834.	27920.	-44.	-6.	14.9	5.5	-400.	-1.	-1.	8.3	3103.	55.	-2.6	-42.	2.469
467653	.3	8700.	932.	23380.	-49.	-6.	13.7	6.5	-333.	-1.	-1.	14.0	3815.	65.	-3.6	-71.	.877
467654	.4	6449.	781.	21590.	84.	-6.	15.9	6.4	-388.	-1.	1.	15.7	3452.	55.	5.3	-51.	2.660
467655	.5	9024.	1437.	20300.	-55.	-7.	14.5	-2.7	-399.	-1.	-2.	15.4	3526.	76.	4.9	118.	.953
467659	.2	8945.	574.	26480.	-38.	-5.	8.7	4.9	422.	-1.	-1.	9.4	2928.	71.	-2.9	49.	2.075
467661	.3	6717.	624.	10920.	-35.	-4.	8.4	5.2	-226.	-1.	-1.	7.7	7269.	78.	3.1	-36.	.976
467662	.4	6654.	382.	17070.	-45.	-6.	10.2	6.0	-335.	-1.	-1.	9.8	3153.	42.	-3.7	-50.	.865
467665	.5	-1864.	293.	24200.	165.	-3.	2.3	8.4	-216.	2.	-1.	17.9	811.	-7.	6.2	53.	1.264
467666	.3	6792.	396.	18870.	-44.	-6.	11.7	3.7	-337.	-1.	-1.	9.7	3649.	57.	5.1	149.	1.618
467667	-2	6445.	271.	12890.	-76.	-9.	10.2	-3.8	562.	-3.	-1.	6.6	3406.	96.	-5.2	662.	.358
467668	.3	6010.	936.	16200.	101.	-9.	12.2	8.2	-321.	-1.	-1.	11.9	5910.	99.	4.3	-48.	1.020
467669	.2	3440.	389.	24180.	81.	-4.	5.7	10.8	364.	-1.	-1.	22.5	2570.	33.	5.4	106.	2.841
467670	.4	6342.	517.	25430.	59.	-4.	11.6	8.6	-283.	-1.	-1.	23.7	3449.	58.	6.9	-31.	3.774

SKAGWAY LAKE SEDIMENTS

PG. ONE - SAMPLE SET 2

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NIOBIUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
467672	59.7019	135.2697	8.	5.	-999.	11.59	-5.	-5.	-5.	-10.	-20.	-15.	35.	-10.	-15.
467673	59.7064	135.3267	8.	8.	-999.	4.54	-5.	-5.	-5.	-10.	-20.	-15.	20.	-10.	-15.
467674	59.7056	135.3186	8.	5.	-999.	9.09	-5.	-5.	-5.	19.	-20.	-15.	34.	-10.	-15.
467678	59.6147	135.2906	8.	15.	-999.	28.74	-5.	-5.	-5.	18.	-20.	20.	14.	-10.	-15.
467679	59.6039	135.2978	8.	14.	-999.	19.10	-5.	-5.	-5.	-10.	-20.	21.	7.	-10.	-15.
467680	59.6053	135.2678	8.	42.	-999.	8.12	-5.	-5.	-5.	27.	-20.	23.	20.	-10.	-15.
467681	59.6008	135.2506	8.	47.	-999.	10.35	-5.	-5.	-5.	50.	-20.	51.	-5.	-10.	-15.
467684	59.5564	135.3678	8.	24.	-999.	6.50	-5.	-5.	-5.	10.	-20.	15.	9.	-10.	-15.
467685	59.5342	135.2964	8.	17.	-999.	3.94	-5.	-5.	-5.	10.	-20.	-15.	14.	-10.	-15.
467686	59.5033	135.2942	8.	5.	-999.	4.55	-5.	-5.	-5.	13.	-20.	-15.	12.	-10.	-15.
467687	59.5311	135.2625	8.	41.	-999.	13.79	-5.	-5.	-5.	15.	-20.	-15.	-5.	-10.	-15.
467688	59.5400	135.2550	8.	20.	-999.	30.06	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.	-15.
467689	59.7375	135.4044	8.	17.	-999.	8.44	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
467690	59.7286	135.4178	8.	7.	-999.	2.43	-5.	-5.	-5.	10.	-20.	-15.	11.	-10.	-15.
467691	59.7278	135.4278	8.	6.	-999.	3.13	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
467693	59.6650	135.4169	8.	12.	-999.	5.25	-5.	-5.	-5.	-10.	-20.	-15.	8.	-10.	-15.
467696	59.5942	135.3928	8.	6.	-999.	3.89	-5.	-5.	-5.	17.	-20.	-15.	9.	-10.	-15.
467697	59.5739	135.3775	8.	17.	-999.	3.07	-5.	-5.	-5.	12.	-20.	-15.	-5.	-10.	-15.
467698	59.5458	135.3786	8.	26.	-999.	4.92	-5.	-5.	-5.	14.	-20.	-15.	11.	-10.	-15.
467699	59.5428	135.3956	8.	5.	-999.	5.76	-5.	-5.	-5.	12.	-20.	-15.	7.	-10.	-15.
467700	59.5161	135.3789	7.	51.	-999.	40.05	-5.	-5.	-5.	10.	-20.	-15.	17.	-10.	-15.
467701	59.2886	135.5597	7.	14.	-999.	1.55	-5.	-5.	-5.	43.	-20.	-15.	-5.	-10.	-15.
467703	59.3436	135.5319	7.	9.	-999.	4.92	-5.	-5.	-5.	76.	-20.	-15.	5.	-10.	-15.
467704	59.3514	135.5428	7.	8.	-999.	2.53	-5.	-5.	-5.	31.	-20.	-15.	-5.	-10.	-15.
467705	59.3817	135.5744	7.	7.	-999.	3.03	-5.	-5.	-5.	29.	-20.	-15.	-5.	-10.	-15.
467709	59.4369	135.6444	8.	5.	-999.	1.83	-5.	-5.	-5.	22.	-20.	-15.	5.	-10.	-15.
467710	59.4261	135.6506	8.	5.	-999.	2.69	-5.	-5.	-5.	18.	-20.	-15.	12.	-10.	-15.
467711	59.4244	135.6758	7.	6.	-999.	.96	-5.	-5.	-5.	319.	-20.	-15.	-5.	-10.	-15.
467715	59.4633	135.6853	8.	5.	-999.	2.22	-5.	-5.	-5.	52.	-20.	-15.	-5.	-10.	-15.
467722	59.5689	135.5094	7.	4.	-999.	3.82	-5.	-5.	-5.	-10.	-20.	-15.	-5.	-10.	-15.
467725	59.4667	135.3944	7.	18.	-999.	15.70	-5.	-5.	-5.	15.	-20.	-15.	-5.	-10.	-15.
467731	59.2386	135.7906	7.	11.	-999.	3.77	-5.	-5.	-5.	20.	-20.	-15.	-5.	-10.	-15.
467732	59.2347	135.7986	11.	135.	-999.	3.16	-5.	-5.	-5.	27.	-20.	-15.	-5.	-10.	-15.
467733	59.2325	135.8392	8.	213.	-999.	4.68	-5.	-5.	-5.	31.	-20.	32.	9.	-10.	-15.
467737	59.2422	135.9339	8.	135.	-999.	2.82	-5.	-5.	-5.	71.	-20.	58.	7.	-10.	-15.
467738	59.2606	135.9472	8.	23.	-999.	20.41	-5.	-5.	-5.	12.	-20.	-15.	-5.	-10.	-15.
467741	59.2900	136.0239	8.	5.	-999.	5.10	-5.	-5.	-5.	77.	-20.	-15.	-5.	-10.	-15.
467742	59.2972	136.0269	8.	5.	-999.	5.69	-5.	-5.	-5.	207.	-20.	-15.	7.	-10.	-15.
467744	59.2514	135.9892	7.	181.	-999.	2.69	-5.	-5.	-5.	50.	-20.	41.	-5.	-10.	-15.
467747	59.2769	136.1081	7.	269.	-999.	14.28	-5.	-5.	-5.	192.	-20.	22.	-5.	-10.	-15.
467753	59.3900	136.0967	8.	189.	-999.	3.44	-5.	-5.	-5.	35.	-20.	-15.	-5.	-10.	-15.
467754	59.3831	136.0192	8.	106.	-999.	2.43	-5.	-5.	-5.	49.	-20.	25.	-5.	-10.	-15.
467756	59.3603	135.9314	8.	115.	-999.	2.49	-5.	-5.	-5.	67.	-20.	47.	5.	-10.	-15.
467757	59.3517	135.9406	8.	100.	-999.	2.71	-5.	-5.	-5.	78.	-20.	45.	-5.	-10.	-15.
467758	59.3522	135.9458	9.	5.	-999.	5.23	-5.	-5.	-5.	14.	-20.	-15.	11.	-10.	-15.
467759	59.3572	135.4794	8.	6.	-999.	.52	-5.	-5.	-5.	51.	-20.	-15.	-5.	-10.	-15.
467760	59.3789	135.4406	8.	5.	-999.	3.28	-5.	-5.	-5.	17.	-20.	26.	6.	-10.	-15.
467761	59.3839	135.4342	8.	5.	-999.	4.86	-5.	-5.	-5.	30.	-20.	23.	24.	-10.	-15.
467762	59.3983	135.4233	8.	18.	-999.	5.80	-5.	-5.	-5.	40.	-20.	100.	12.	-10.	-15.
467767	59.5397	135.8339	8.	6.	-999.	1.94	-5.	-5.	-5.	169.	-20.	-15.	-5.	-10.	-15.

SKAGWAY LAKE SEDIMENTS

PG. TWO - SAMPLE SET 2

SAMPLE NO.	BE 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
467672	-999.	-999.	64370.	-0.	832.	16070.	156.	-135.	2.2	29.	-1.1	7.	1.2	26760.	30.4	24540.	108.
467673	-999.	-999.	63040.	-0.	1269.	10590.	85.	-107.	-999.0	-7.	-1.0	3.	.9	11000.	12.0	25240.	62.
467674	-999.	-999.	63010.	-0.	1059.	11260.	156.	-136.	-1.2	16.	-1.3	6.	1.0	25200.	18.1	29950.	89.
467675	-999.	-999.	70940.	-0.	974.	20750.	89.	-155.	9.9	80.	4.8	6.	1.9	39640.	11.9	18150.	-32.
467679	-999.	-999.	81990.	-0.	1323.	25270.	168.	-139.	5.9	70.	3.1	9.	1.6	33490.	19.6	17080.	133.
467680	-999.	-999.	79610.	-0.	1105.	24170.	120.	-141.	10.5	47.	-1.9	8.	1.5	28310.	10.5	21300.	64.
467681	-999.	-999.	51500.	-0.	1416.	75340.	109.	-116.	21.7	147.	1.5	7.	1.8	52770.	5.7	9802.	75.
467684	-999.	-999.	74040.	-0.	930.	34850.	78.	-153.	9.3	49.	-2.4	6.	1.3	34660.	10.7	12490.	92.
467685	-999.	-999.	79440.	-0.	1433.	28720.	93.	-154.	11.3	-11.	-2.0	5.	1.9	57440.	4.8	19830.	-43.
467686	-999.	-999.	51080.	-0.	1210.	32170.	89.	-175.	6.1	35.	-2.1	6.	1.8	38660.	20.3	11580.	-39.
467687	-999.	-999.	50970.	-0.	981.	41150.	73.	-175.	12.5	46.	-2.7	7.	1.9	52870.	12.5	12700.	-31.
467688	-999.	-999.	58790.	-0.	1003.	17630.	55.	-180.	-3.3	-25.	-3.8	5.	1.4	33720.	10.5	11710.	-51.
467689	-999.	-999.	59880.	-0.	981.	14340.	203.	-144.	8.0	38.	2.8	8.	1.5	47030.	18.6	22510.	123.
467690	-999.	-999.	57890.	-0.	578.	34810.	25.	336.	7.8	-18.	-3.0	5.	.9	23310.	3.6	11190.	-37.
467691	-999.	-999.	67520.	-0.	1076.	30240.	156.	-136.	8.5	27.	-1.4	5.	1.5	34800.	6.2	17140.	71.
467693	-999.	-999.	62210.	-0.	1184.	27700.	195.	248.	6.6	30.	-1.5	6.	1.7	45410.	25.9	13520.	101.
467696	-999.	-999.	52330.	-0.	1429.	19470.	90.	343.	5.7	34.	-2.5	5.	1.5	33270.	16.2	13820.	-23.
467697	-999.	-999.	58620.	-0.	649.	21120.	56.	-192.	-1.	-20.	-3.0	4.	1.4	36590.	6.6	-6664.	-43.
467698	-999.	-999.	75570.	-0.	1355.	32680.	51.	-151.	7.2	44.	-1.8	5.	1.2	26840.	4.7	13790.	-21.
467699	-999.	-999.	69400.	-0.	1000.	22640.	103.	169.	-1.1	28.	-1.9	6.	2.0	26330.	12.9	11980.	-29.
467700	-999.	-999.	72860.	-0.	1162.	21680.	78.	-214.	5.3	-14.	-2.1	3.	1.1	39510.	9.1	-8943.	103.
467701	-999.	-999.	39070.	-0.	-372.	-2183.	22.	-203.	-1.	-16.	-2.5	-3.	-.4	11610.	-1.8	-6061.	-45.
467703	-999.	-999.	68040.	-0.	404.	30080.	73.	-197.	6.1	28.	-2.2	4.	1.9	47580.	6.2	11420.	-29.
467704	-999.	-999.	70640.	-0.	503.	30210.	63.	-157.	11.1	35.	-2.0	4.	1.7	45530.	4.3	12710.	-20.
467705	-999.	-999.	61250.	-0.	568.	46940.	126.	-181.	10.0	32.	-2.0	6.	3.3	57500.	6.3	-6487.	71.
467709	-999.	-999.	79950.	-0.	979.	31330.	30.	-152.	1.9	-7.	-1.2	2.	1.1	21490.	5.9	15760.	-13.
467710	-999.	-999.	87070.	-0.	811.	34560.	48.	-163.	3.4	15.	-1.2	5.	1.3	16640.	4.1	11440.	42.
467711	-999.	-999.	19860.	-0.	-403.	-2377.	-8.	-155.	-2	-16.	-2.4	-4.	-.4	4428.	-1.6	-5105.	-52.
467715	-999.	-999.	77000.	-0.	416.	38060.	43.	-175.	10.9	30.	-1.6	4.	1.5	49800.	4.7	11160.	-18.
467722	-999.	-999.	50340.	-0.	1002.	43630.	93.	-149.	5.3	21.	-1.5	6.	1.2	24890.	13.5	10450.	63.
467725	-999.	-999.	34520.	-0.	-455.	-3779.	26.	-186.	-1.	-20.	-2.8	-4.	.7	11810.	-1.9	-5838.	-48.
467731	-999.	-999.	74700.	-0.	449.	36870.	52.	-145.	8.9	29.	-1.4	4.	1.2	42100.	7.9	15780.	-18.
467732	-999.	-999.	45650.	-0.	1798.	98570.	32.	-103.	9.2	44.	-1.6	3.	1.2	31560.	2.3	8362.	-15.
467733	-999.	-999.	37640.	-0.	2225.	24580.	30.	-122.	4.2	51.	-2.2	3.	1.4	36300.	2.9	-4608.	-29.
467737	-999.	-999.	57040.	-0.	2022.	59930.	30.	-169.	24.6	56.	-2.9	4.	1.6	52150.	-1.9	-6640.	-26.
467738	-999.	-999.	67270.	-0.	334.	14610.	42.	-194.	-1.	-11.	-2.0	3.	.7	15980.	5.6	16230.	-31.
467741	-999.	-999.	78630.	-0.	534.	21250.	25.	-155.	5.6	15.	2.1	3.	.8	17740.	3.6	17170.	19.
467742	-999.	-999.	82250.	-0.	543.	25790.	41.	-153.	7.4	18.	-1.3	4.	.9	35160.	4.0	15760.	-15.
467744	-999.	-999.	61780.	-0.	813.	67300.	38.	-173.	28.5	85.	2.8	4.	1.0	66910.	2.4	13980.	-27.
467747	-999.	-999.	10420.	-0.	272.	29920.	-10.	-101.	-1.	-18.	-2.6	-2.	.5	9553.	-2.1	-3407.	-51.
467753	-999.	-999.	46720.	-0.	371.	33300.	24.	-154.	10.2	53.	-2.5	4.	.7	19310.	-1.6	-4860.	-29.
467754	-999.	-999.	55850.	-0.	399.	84540.	38.	-141.	24.7	79.	-1.8	5.	1.3	59040.	3.3	7434.	-18.
467756	-999.	-999.	64260.	-0.	703.	30750.	37.	-165.	29.1	108.	-3.0	5.	1.4	74380.	3.1	11140.	-28.
467757	-999.	-999.	70110.	-0.	578.	47780.	32.	-154.	21.6	64.	-2.2	6.	1.0	49100.	2.2	7151.	-18.
467758	-999.	-999.	84050.	-0.	1076.	24130.	71.	-151.	2.2	23.	-1.6	5.	1.6	23130.	20.4	14080.	43.
467759	-999.	-999.	13290.	-0.	-378.	-2605.	-999.	402.	-999.0	-999.	-999.0	-3.	99999.	-999.	-999.0	-4698.	-999.
467760	-999.	-999.	70760.	-0.	1227.	32340.	53.	-146.	10.7	75.	-1.6	3.	1.4	43420.	5.1	13450.	-14.
467761	-999.	-999.	73730.	-0.	1050.	27510.	44.	-183.	8.8	47.	-2.3	4.	.9	31220.	4.1	14130.	-28.
467762	-999.	-999.	77920.	-0.	1018.	36990.	66.	-179.	29.9	196.	3.6	5.	1.5	70810.	5.1	20730.	-27.
467767	-999.	-999.	46860.	-0.	559.	21270.	23.	-210.	-2	-25.	-3.8	4.	1.2	22340.	-2.7	-7349.	-53.

SKAGWAY LAKE SEDIMENTS

PG. THREE - SAMPLE SET 2

SAMPLE NO.	LU PPM	MG PPM	MN PPM	NA PPM	PB PPM	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	U/TH RATIO
467672	.6	4560.	761.	24900.	93.	-4.	10.4	14.8	-290.	1.	-1.	25.8	3404.	50.	7.9	-28.	2.227
467673	.3	-1788.	313.	25990.	86.	-3.	3.9	5.0	-208.	-1.	-1.	12.0	1509.	12.	2.6	59.	2.646
467674	.5	-2339.	559.	26890.	98.	-4.	9.0	10.9	-303.	1.	1.	22.7	2087.	23.	7.6	131.	2.500
467678	.5	11160.	562.	16910.	-75.	-10.	13.4	-5.2	-398.	-2.	-2.	18.1	4874.	88.	-5.6	-76.	.630
467679	.5	9500.	482.	18570.	88.	-7.	12.9	15.6	-270.	-1.	2.	41.1	4128.	112.	8.4	-106.	2.151
467680	.3	10530.	720.	22060.	-53.	-7.	11.1	9.7	346.	-2.	-1.	28.4	2895.	87.	8.6	-54.	1.497
467681	.3	29410.	1114.	11870.	-43.	-6.	15.5	12.9	-318.	3.	-1.	18.8	12970.	144.	5.9	-43.	1.815
467684	-.2	11320.	784.	20120.	-65.	-9.	12.2	-3.9	-368.	-1.	-1.	11.0	4373.	110.	-4.8	85.	1.692
467685	.2	12990.	1234.	19950.	-53.	-7.	18.2	8.4	-397.	-1.	-1.	11.0	6864.	100.	-3.5	-55.	2.793
467686	.6	10170.	780.	21460.	-52.	-8.	17.1	8.0	498.	-1.	-1.	11.9	5224.	113.	-3.8	-54.	2.618
467687	.3	17240.	868.	16780.	-67.	-8.	24.9	7.5	-462.	-1.	-1.	8.5	5281.	188.	-4.1	-64.	.617
467688	-.3	8735.	517.	12710.	-99.	-11.	12.8	6.9	-472.	-2.	-2.	10.4	5369.	107.	-6.3	-89.	.346
467689	.7	8649.	1068.	19890.	144.	-5.	16.4	12.4	-380.	-1.	2.	32.4	4315.	63.	4.9	238.	3.846
467690	-.2	10780.	769.	18090.	-73.	-9.	16.2	-2.9	-437.	-2.	-1.	3.8	4560.	86.	-4.8	250.	1.565
467691	.3	8412.	770.	24240.	-34.	-4.	17.7	10.5	-290.	-1.	-1.	28.2	2742.	73.	6.1	-34.	9.009
467693	.5	6757.	932.	23110.	57.	-5.	18.0	11.6	-335.	1.	-1.	22.5	6985.	61.	6.3	-37.	4.292
467696	.3	8528.	425.	14900.	-62.	-7.	13.2	7.1	-309.	-1.	-2.	15.2	5716.	108.	6.4	72.	3.906
467697	-.2	12710.	548.	12400.	-79.	-9.	13.8	3.9	-533.	-3.	-1.	4.8	5372.	88.	-5.2	-166.	1.563
467698	.3	9093.	620.	20890.	-46.	-6.	10.4	4.2	457.	-1.	-1.	6.4	3757.	104.	-2.8	-54.	1.300
467699	.2	7493.	483.	16460.	-47.	-5.	12.5	8.6	-354.	-1.	-1.	12.4	3769.	78.	3.9	-51.	2.151
467700	.3	-3768.	2841.	18690.	-57.	-6.	8.1	16.3	-650.	-1.	-1.	8.6	3105.	34.	-3.8	176.	.222
467701	-.2	-3782.	270.	15170.	-69.	-7.	6.1	-2.7	-491.	-2.	-1.	3.9	2454.	45.	-4.6	-81.	2.519
467703	.3	7842.	1325.	23620.	-55.	-6.	17.5	4.7	-507.	-1.	-1.	6.1	4763.	172.	-3.3	-51.	1.239
467704	.4	11520.	1364.	27500.	-47.	-6.	21.0	4.7	651.	-1.	-1.	4.9	4220.	155.	3.2	-45.	1.938
467705	.6	9664.	2019.	21830.	-42.	-6.	32.1	12.3	-484.	2.	2.	11.2	4021.	163.	6.7	-48.	3.690
467709	.2	-2560.	528.	32600.	-26.	-3.	8.4	2.1	855.	-1.	-1.	2.5	1852.	63.	-2.0	102.	1.366
467710	.2	3905.	559.	37730.	-30.	-4.	7.1	4.8	892.	-1.	-1.	5.0	2046.	65.	3.1	94.	1.859
467711	-.2	-3199.	124.	5522.	-61.	-7.	2.8	-3.1	-488.	-2.	-1.	-1.7	-3309.	-11.	-3.9	-74.	-999.000
467715	.3	9370.	1430.	27120.	-42.	-5.	16.6	5.4	620.	-1.	1.	3.1	4151.	157.	3.6	-42.	1.397
467722	.3	8013.	771.	26660.	-38.	-5.	11.0	5.2	592.	-1.	-1.	13.3	2780.	57.	3.6	174.	3.484
467725	-.3	-3500.	162.	6736.	-87.	-8.	3.3	-3.4	-519.	-3.	-2.	-2.1	-1379.	36.	-5.1	-99.	-999.000
467731	.3	9551.	809.	26580.	-35.	-4.	14.7	-4.4	379.	-1.	-1.	6.5	2111.	105.	3.3	-36.	1.724
467732	.2	13400.	734.	13820.	-37.	-5.	11.7	3.7	-249.	-1.	-1.	3.7	2784.	130.	3.3	103.	1.171
467733	-.2	13840.	508.	7550.	-55.	-7.	13.1	3.5	-381.	-2.	-1.	2.8	3754.	159.	-3.7	151.	.598
467737	-.2	24620.	1075.	10020.	-80.	-8.	12.3	-2.6	-447.	-2.	-1.	2.4	3528.	207.	-4.5	356.	.851
467738	-.1	-3324.	380.	19910.	-51.	-5.	7.1	-2.1	-446.	-1.	-1.	7.6	2278.	51.	-3.0	-52.	.372
467741	.2	5819.	452.	33700.	-30.	-3.	5.9	2.2	256.	-1.	-1.	3.8	2317.	53.	2.9	-33.	.745
467742	.2	8422.	541.	28830.	75.	-4.	10.0	4.2	-713.	-1.	-1.	7.6	2845.	67.	3.5	-37.	1.335
467744	.4	25180.	1226.	13990.	-65.	-7.	21.4	3.7	-521.	-1.	-1.	3.1	4514.	155.	4.9	198.	1.898
467747	-.2	4505.	105.	2546.	-69.	-8.	3.2	-3.6	-303.	-2.	-1.	-2.0	-815.	34.	-4.7	153.	-999.000
467753	-.2	11530.	452.	11820.	-61.	-7.	12.3	-2.4	545.	-2.	-1.	2.1	3250.	103.	-4.0	207.	.611
467754	.4	18270.	1056.	18090.	-46.	-5.	24.0	5.4	-345.	-2.	-1.	2.9	5458.	180.	-2.8	-48.	1.193
467756	.4	22130.	931.	15340.	-72.	-8.	27.4	3.4	-465.	-2.	5.	3.8	5430.	214.	-4.5	411.	1.527
467757	.3	17280.	1257.	17080.	-57.	-6.	17.8	-1.8	528.	-1.	-1.	3.0	4657.	212.	-3.4	-60.	1.107
467758	.3	5570.	408.	25930.	-39.	-4.	13.1	6.0	-308.	-1.	-1.	10.8	2516.	47.	3.7	-43.	2.066
467759	++++	-3110.	123.	5154.	-999.	-999.	-999.0	-999.0	-448.	-999.	-999.	-999.0	-1217.	-10.	-999.0	-999.	-999.000
467760	.2	11320.	771.	23450.	-41.	-5.	14.3	5.0	-351.	-1.	1.	8.1	4825.	89.	-2.6	-82.	2.469
467761	-.2	12880.	687.	20460.	-62.	-6.	10.0	-2.4	-368.	-2.	-1.	5.1	4649.	93.	-3.8	-61.	1.049
467762	-.1	23930.	1188.	20500.	-63.	-7.	23.8	5.3	-456.	-1.	-1.	10.0	7126.	157.	-3.4	-59.	1.724
467767	-.3	7457.	562.	13240.	-106.	-11.	7.4	-4.8	-560.	-4.	-2.	-2.7	3097.	73.	-6.6	-123.	-999.000

SKAGWAY LAKE SEDIMENTS

PG. ONE - SAMPLE SFT 3

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	NIOBIMUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
467769	59.5939	135.9103	8.	5.	-999.	.61	-5.	-5.	-5.	171.	-20.	-15.	-5.	-10.	-15.
467771	59.5933	135.9592	8.	22.	-999.	4.57	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
467772	59.5944	135.9475	7.	25.	-999.	9.68	-5.	-5.	-5.	30.	-20.	17.	-5.	-10.	-15.
467778	59.6144	135.7533	8.	5.	-999.	6.36	-5.	-5.	-5.	22.	-20.	-15.	9.	-10.	-15.
467783	59.6397	135.9825	7.	23.	-999.	4.89	-5.	-5.	-5.	52.	-20.	20.	5.	-10.	-15.
467784	59.6289	135.9867	7.	27.	-999.	4.38	-5.	-5.	-5.	51.	-20.	26.	8.	-10.	-15.
467787	59.5458	136.0067	7.	125.	-999.	17.01	-5.	-5.	-5.	78.	-20.	15.	-5.	-10.	-15.
467788	59.5261	136.0289	7.	322.	-999.	3.23	-5.	-5.	-5.	57.	-20.	19.	10.	-10.	-15.
467791	59.5639	136.1125	8.	53.	-999.	.69	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
467792	59.6453	136.0825	8.	8.	-999.	2.58	-5.	-5.	-5.	32.	-20.	26.	-5.	-10.	-15.
467793	59.6350	136.0847	8.	12.	-999.	3.45	-5.	-5.	-5.	48.	-20.	86.	-5.	-10.	-15.
467794	59.6142	136.0631	8.	12.	-999.	5.30	-5.	-5.	-5.	32.	-20.	-15.	5.	-10.	-15.
467800	59.6139	136.2917	8.	46.	-999.	4.84	-5.	-5.	-5.	36.	-20.	25.	6.	-10.	-15.
467802	59.5967	136.2478	8.	6.	-999.	3.18	-5.	-5.	-5.	32.	-20.	19.	7.	-10.	-15.
467803	59.5775	136.1981	8.	95.	-999.	7.22	-5.	-5.	-5.	40.	-20.	67.	6.	-10.	-15.
467804	59.5714	136.1928	8.	56.	-999.	1.88	-5.	-5.	-5.	26.	-20.	20.	-5.	-10.	-15.
467805	59.5589	136.1636	8.	33.	-999.	3.90	-5.	-5.	-5.	47.	-20.	26.	-5.	-10.	-15.
467806	59.5539	136.1547	8.	72.	-999.	1.18	-5.	-5.	-5.	40.	-20.	-15.	-5.	-10.	-15.
467811	59.4153	135.5031	8.	24.	-999.	2.37	-5.	-5.	-5.	-10.	-20.	-15.	6.	-10.	-15.
467812	59.4258	135.5094	8.	21.	-999.	.72	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
467814	59.4511	135.5400	8.	4.	-999.	4.73	-5.	-5.	-5.	-10.	-20.	15.	10.	-10.	-15.
467817	59.4694	135.5081	8.	4.	-999.	3.05	-5.	-5.	-5.	-10.	-20.	-15.	15.	-10.	-15.
467818	59.4417	135.3919	7.	12.	-999.	5.16	-5.	-5.	-5.	45.	-20.	72.	6.	-10.	-15.
467822	59.4136	135.7994	7.	5.	-999.	1.08	-5.	-5.	-5.	81.	-20.	-15.	-5.	-10.	-15.
467823	59.4308	135.8083	7.	9.	-999.	.42	-5.	-5.	-5.	57.	-20.	-15.	-5.	-10.	-15.
467825	59.4744	135.8131	7.	3.	-999.	1.23	-5.	-5.	-5.	43.	-20.	16.	-5.	-10.	-15.
467826	59.4769	135.7956	7.	4.	-999.	1.40	-5.	-5.	-5.	71.	-20.	-15.	-5.	-10.	-15.
467827	59.4836	135.7711	6.	5.	-999.	1.39	-5.	-5.	-5.	35.	-20.	-15.	-5.	-10.	-15.
467829	59.4619	135.8547	7.	5.	-999.	1.11	-5.	-5.	-5.	92.	-20.	-15.	-5.	-10.	-15.
467831	59.4853	136.0117	7.	15.	-999.	3.15	-5.	-5.	-5.	20.	-20.	-15.	9.	-10.	-15.
467834	59.4575	136.0158	7.	118.	-999.	2.80	-5.	-5.	-5.	67.	-20.	40.	-5.	-10.	-15.
467837	59.4317	135.9853	8.	17.	-999.	1.06	-5.	-5.	-5.	34.	-20.	-15.	-5.	-10.	-15.
467838	59.4417	135.9814	7.	373.	-999.	2.47	-5.	-5.	-5.	11.	-20.	-15.	-5.	-10.	-15.
467842	59.4406	135.9347	7.	324.	-999.	.93	-5.	-5.	-5.	209.	-20.	18.	-5.	-10.	-15.
467843	59.4347	135.9322	8.	201.	-999.	.87	-5.	-5.	-5.	611.	-20.	16.	-5.	-10.	-15.
467846	59.3628	135.9147	8.	260.	-999.	.79	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
467847	59.3589	135.8864	8.	179.	-999.	1.17	-5.	-5.	-5.	10.	-20.	-15.	-5.	-10.	-15.
467853	59.3067	135.7856	8.	243.	-999.	2.72	-5.	-5.	-5.	41.	-20.	-15.	-5.	-10.	-15.
467854	59.3400	135.8294	8.	224.	-999.	16.66	-5.	-5.	-5.	57.	-20.	48.	100.	27.	-15.
467872	59.3742	136.1964	8.	36.	-999.	4.86	-5.	-5.	-5.	71.	-20.	63.	-5.	-10.	-15.
467879	59.4272	136.4525	8.	72.	-999.	2.55	-5.	-5.	-5.	94.	-20.	15.	-5.	-10.	-15.
467881	59.4392	136.4453	8.	202.	-999.	2.08	-5.	-5.	-5.	70.	-20.	55.	-5.	-10.	-15.
467885	59.4828	136.1503	8.	27.	-999.	2.92	-5.	-5.	-5.	90.	-20.	46.	-5.	-10.	-15.
467887	59.4031	136.2225	8.	24.	-999.	1.03	-5.	-5.	-5.	28.	-20.	16.	-5.	-10.	-15.
467888	59.4058	136.1836	8.	62.	-999.	1.16	-5.	-5.	-5.	102.	-20.	-15.	-5.	-10.	-15.
467889	59.4094	136.1669	8.	26.	-999.	1.61	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
467890	59.4108	136.1481	8.	143.	-999.	2.21	-5.	-5.	-5.	59.	-20.	30.	-5.	-10.	-15.
467891	59.3936	136.1425	8.	70.	-999.	3.43	-5.	-5.	-5.	24.	-20.	18.	-5.	-10.	-15.
467893	59.3642	136.1178	8.	8.	-999.	5.19	-5.	-5.	-5.	97.	-20.	69.	-5.	-10.	-15.
467897	59.3081	135.6569	8.	9.	-999.	.89	-5.	-5.	-5.	331.	-20.	39.	-5.	-10.	-15.

SKAGWAY LAKE SEDIMENTS

PG. TWO - SAMPLE SET 3

SAMPLE NO.	BE PPM	LI PPM	AL PPM	AU PPM	RA 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
467769	-999.	-999.	88080.	-0.	-196.	60150.	36.	-201.	16.2	-10.	-1.7	4.	1.3	43450.	1.4	10500.	-14.
467771	-999.	-999.	69850.	-0.	832.	34950.	75.	-145.	16.0	46.	-2.1	4.	1.6	66420.	5.9	15160.	51.
467772	-999.	-999.	62890.	-0.	1085.	22610.	59.	-186.	-2	42.	-2.6	4.	1.2	45930.	3.9	14490.	-35.
467778	-999.	-999.	78670.	-0.	1052.	37820.	112.	-135.	4.9	27.	-1.2	4.	1.8	22160.	14.3	13810.	76.
467783	-999.	-999.	73300.	-0.	971.	28040.	79.	-130.	17.8	65.	-2.5	6.	1.5	46560.	6.4	13560.	48.
467784	-999.	-999.	78980.	-0.	1130.	35700.	55.	-158.	15.6	46.	-2.3	5.	1.3	39840.	5.2	14340.	-21.
467787	-999.	-999.	28760.	-0.	-405.	28990.	25.	-162.	7.5	-24.	-3.7	-3.	-7	17180.	-2.6	-5226.	-15.
467788	-999.	-999.	82360.	-0.	1113.	31740.	54.	-183.	9.4	56.	-1.8	4.	1.4	37890.	7.4	16910.	29.
467791	-999.	-999.	13450.	-0.	-470.	-3134.	-999.	-166.	-999.0	-999.	-999.0	-4.	-4.0	-999.	-999.0	-5021.	-999.
467792	-999.	-999.	64460.	-0.	517.	52140.	53.	412.	22.7	106.	-2.4	6.	1.5	78460.	5.3	-5013.	33.
467793	-999.	-999.	69650.	-0.	727.	32930.	35.	309.	25.8	158.	-2.7	5.	1.0	55840.	4.3	14510.	-8.
467794	-999.	-999.	64770.	-0.	702.	44690.	59.	-130.	18.4	61.	2.7	6.	1.9	58420.	11.6	12050.	33.
467800	-999.	-999.	71580.	-0.	830.	27770.	40.	-161.	7.5	73.	2.3	4.	1.2	36000.	6.0	11580.	25.
467802	-999.	-999.	65450.	-0.	721.	27150.	48.	-153.	9.2	81.	-1.9	5.	1.5	38280.	5.5	13150.	25.
467803	-999.	-999.	56340.	-0.	486.	25580.	34.	-136.	20.2	137.	-2.6	4.	1.3	54490.	3.3	5616.	26.
467804	-999.	-999.	70410.	-0.	384.	35980.	30.	-169.	11.7	95.	-2.1	5.	1.1	45410.	5.4	-5569.	19.
467805	-999.	-999.	65720.	-0.	399.	26440.	36.	-149.	13.7	65.	-2.1	5.	.9	33990.	6.2	8639.	27.
467806	-999.	-999.	10800.	-0.	-262.	17110.	-6.	294.	-1	26.	-1.9	-2.	-4	6424.	-1.4	-3209.	-13.
467811	-999.	-999.	79640.	-0.	1960.	29720.	45.	-182.	6.7	-16.	-2.7	3.	1.5	41450.	3.7	19240.	-9.
467812	-999.	-999.	16170.	-0.	-296.	-3079.	-12.	700.	-2	-23.	-3.2	-3.	-6	7011.	-2.6	-4478.	-21.
467814	-999.	-999.	79790.	-0.	1113.	29640.	77.	-152.	6.6	29.	-1.7	5.	1.9	44680.	10.5	11470.	40.
467817	-999.	-999.	86170.	-0.	1522.	32410.	63.	-148.	4.6	-9.	-1.5	4.	1.5	23140.	7.5	16810.	31.
467818	-999.	-999.	69230.	-0.	1024.	28650.	54.	228.	26.6	158.	4.7	5.	1.9	65130.	8.7	14610.	37.
467822	-999.	-999.	82450.	-0.	382.	49580.	69.	-189.	13.9	14.	-1.4	6.	2.7	61420.	7.7	-6229.	28.
467823	-999.	-999.	70680.	-0.	-249.	60940.	59.	-183.	23.6	-11.	-1.9	6.	2.3	67600.	3.1	-6352.	24.
467825	-999.	-999.	88200.	-0.	-231.	40810.	37.	-197.	9.0	-10.	-1.7	4.	1.4	36030.	5.7	10610.	15.
467826	-999.	-999.	83660.	-0.	526.	46400.	63.	-226.	11.3	27.	-1.8	6.	2.1	64680.	9.3	-7877.	32.
467827	-999.	-999.	79870.	1.	791.	40740.	48.	-234.	5.4	-12.	-2.0	5.	1.9	27500.	7.6	-7517.	25.
467829	-999.	-999.	81210.	-0.	-245.	57650.	55.	-203.	19.2	-9.	-1.6	5.	2.3	53740.	2.4	14910.	24.
467831	-999.	-999.	74690.	-0.	1378.	28850.	68.	-141.	2.3	29.	1.9	4.	1.4	27950.	7.5	16480.	42.
467834	-999.	-999.	58780.	-0.	439.	53750.	90.	-128.	25.6	169.	-2.0	5.	1.7	92340.	8.5	9193.	32.
467837	-999.	-999.	24960.	-0.	-369.	19820.	-19.	581.	-2	-33.	-4.7	-3.	-1.1	17470.	-3.7	-6888.	-17.
467838	-999.	-999.	11100.	-0.	-161.	315500.	8.	-123.	-1	-9.	-1.4	1.	-3	8321.	-1.0	-3272.	-4.
467842	-999.	-999.	61810.	-0.	-337.	55880.	23.	-166.	27.9	38.	-3.2	4.	1.2	75750.	-1.8	-6164.	-7.
467843	-999.	-999.	69790.	-0.	540.	64040.	-11.	-169.	50.9	-25.	-5.0	4.	1.0	80250.	-2.9	8476.	-12.
467846	-999.	-999.	12750.	-0.	-241.	38840.	-8.	280.	-1	30.	-2.4	-2.	-4	11710.	-1.7	-3793.	-8.
467847	-999.	-999.	4742.	-0.	-139.	353600.	-7.	-104.	-2.0	-11.	-1.6	-1.	-4	5375.	-1.3	-2723.	-8.
467853	-999.	-999.	30740.	-0.	-263.	40770.	19.	-181.	-1	38.	-3.4	2.	.8	19740.	-2.4	-6510.	-11.
467854	-999.	-999.	41400.	-0.	622.	32960.	48.	301.	7.7	162.	-2.5	4.	1.2	32550.	3.4	6459.	25.
467872	-999.	-999.	59770.	-0.	2018.	14040.	48.	-129.	14.8	123.	-2.3	5.	1.4	48270.	3.2	-5412.	21.
467878	-999.	-999.	50630.	-0.	487.	86500.	68.	-135.	24.1	51.	-2.6	7.	1.5	55340.	-1.4	-4759.	25.
467881	-999.	-999.	50570.	-0.	481.	35400.	31.	-132.	23.6	116.	-2.2	4.	1.5	58960.	2.6	-4656.	20.
467885	-999.	-999.	82660.	-0.	-232.	21930.	26.	-182.	27.4	142.	-2.2	4.	1.2	70920.	2.5	9879.	18.
467887	-999.	-999.	22350.	-0.	-386.	10620.	22.	-155.	-2	22.	-3.0	-3.	.7	0369.	-1.9	-5370.	-14.
467888	-999.	-999.	24710.	-0.	-266.	20080.	-11.	623.	-1	30.	-3.0	-2.	-7	14540.	-2.4	-5256.	-12.
467889	-999.	-999.	33310.	-0.	-246.	29060.	20.	257.	-2.0	49.	-2.7	3.	.8	20380.	-1.7	-4916.	-10.
467890	-999.	-999.	63870.	-0.	800.	36340.	44.	-141.	22.4	101.	-2.5	5.	1.2	52140.	2.4	-5269.	22.
467891	-999.	-999.	38370.	-0.	547.	24490.	14.	264.	5.7	165.	-2.5	4.	1.2	35460.	-1.5	-5119.	-8.
467893	-999.	-999.	72260.	-0.	1617.	10630.	49.	-127.	16.3	145.	5.8	6.	1.9	61930.	4.5	11800.	22.
467897	-999.	-999.	70920.	-0.	-211.	54830.	29.	-165.	29.6	103.	-2.5	5.	1.5	83620.	4.6	-5809.	16.

SKAGWAY LAKE SEDIMENTS

PG. THREE - SAMPLE SET 3

SAMPLE NO.	LU PPM	MG PPM	MN PPM	NA PPM	RB PPM	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	U/TM RATIO
467769	.2	14990.	1446.	32610.	-49.	-9.	11.7	3.2	1091.	-1.	-1.	-1.1	6168.	216.	-2.8	-49.	-999.000
467771	.3	12740.	1078.	24130.	-55.	-6.	15.4	6.0	925.	-1.	-2.	8.2	4270.	127.	-3.1	140.	1.795
467772	-.2	12270.	592.	15500.	-71.	-7.	10.8	3.8	-490.	-2.	-1.	7.6	2799.	81.	-4.3	-73.	.785
467778	.3	6544.	515.	28360.	-27.	-3.	10.8	10.9	939.	-1.	-1.	17.4	2919.	46.	4.8	-30.	2.732
467783	.4	16580.	965.	15430.	-59.	-7.	17.4	6.1	-350.	-1.	-2.	12.2	4731.	134.	-3.6	144.	2.494
467784	.4	16130.	926.	17960.	-58.	-6.	14.9	4.1	358.	-1.	-1.	7.1	4905.	142.	-3.2	-60.	1.621
467787	-.2	-3028.	253.	5172.	-88.	-5.	10.2	-1.8	-498.	-4.	-2.	-2.6	-1310.	31.	-4.1	-38.	-999.000
467788	.3	11960.	828.	29450.	-39.	-2.	13.8	4.6	454.	-1.	-1.	6.6	3818.	118.	2.4	-42.	2.045
467791	****	-3247.	155.	4118.	-999.	-999.	-999.0	-999.0	-319.	-999.	-999.	-999.0	-1390.	31.	-999.0	-999.	-999.000
467792	.4	22890.	1763.	16590.	-47.	-3.	41.9	7.3	-377.	-1.	1.	3.2	7215.	254.	4.3	-55.	1.241
467793	.3	24710.	1188.	14740.	-61.	-4.	23.9	2.7	-390.	-2.	-1.	3.8	6128.	202.	-2.4	-75.	1.101
467794	.5	14680.	1189.	18800.	-41.	-3.	32.6	7.6	-327.	-1.	-1.	8.4	5884.	161.	4.3	-46.	1.585
467800	.4	14710.	675.	24340.	-37.	-2.	14.2	3.6	-309.	-1.	-1.	7.4	3191.	147.	2.9	188.	1.529
467802	.4	13350.	701.	23760.	-43.	-3.	15.6	5.1	-350.	-1.	-1.	6.1	5345.	117.	4.0	94.	1.919
467803	.3	15850.	910.	12740.	-58.	-4.	20.7	3.9	-401.	-2.	-1.	4.4	4359.	177.	-2.6	113.	.609
467804	.4	12540.	1202.	23850.	-40.	-3.	26.9	2.7	-351.	-1.	3.	2.9	3605.	165.	4.2	-51.	1.543
467805	.2	10170.	1004.	17320.	-51.	-3.	12.9	2.6	-321.	-1.	-1.	4.7	4067.	135.	3.7	-59.	1.205
467806	-.1	3333.	111.	3226.	-45.	-3.	3.4	-9.9	-311.	-2.	-1.	-1.2	-841.	27.	-2.1	-73.	-999.000
467811	-.2	9029.	711.	23910.	-64.	-4.	11.2	5.4	-440.	-2.	-1.	5.5	4924.	68.	-2.6	190.	2.320
467812	-.2	-2713.	96.	4518.	-87.	-4.	2.0	-1.4	-354.	-3.	-2.	-2.5	-952.	-10.	-3.7	-106.	-999.000
467814	.3	8293.	892.	25200.	-40.	-2.	14.2	7.5	624.	-1.	-1.	8.6	4545.	93.	3.0	76.	1.818
467817	.3	5952.	664.	28560.	-37.	-2.	8.7	4.4	497.	-1.	-1.	8.7	2801.	39.	3.2	184.	2.849
467818	.4	19070.	1031.	14440.	-48.	-3.	26.9	6.4	-332.	-1.	-1.	5.7	7306.	185.	3.7	-51.	1.105
467822	.5	9487.	1779.	31980.	-37.	-2.	12.2	8.4	1100.	-1.	2.	2.4	6832.	183.	5.2	121.	2.222
467823	.4	16760.	1809.	25690.	-45.	-3.	16.3	8.0	1168.	-1.	-1.	-2.4	7124.	221.	3.2	101.	-999.000
467825	.3	7824.	1429.	33290.	-43.	-2.	7.7	2.9	878.	-1.	1.	2.9	3695.	132.	3.2	148.	2.358
467826	.5	10130.	1597.	30170.	-46.	-2.	12.5	6.9	1258.	-1.	1.	4.0	7242.	235.	3.8	141.	2.857
467827	.3	8701.	1067.	29550.	-45.	-3.	7.6	4.9	1113.	-2.	1.	2.4	5956.	107.	2.6	47.	1.727
467829	.4	14620.	1900.	28670.	-43.	-4.	14.5	7.3	-490.	-1.	1.	1.9	5178.	176.	4.6	-19.	1.712
467831	.3	8828.	552.	25200.	59.	-4.	10.2	5.2	-317.	-1.	-1.	9.6	2538.	43.	4.0	140.	3.049
467834	.4	18200.	1170.	16430.	-44.	-2.	28.4	5.7	-329.	-1.	2.	6.3	5645.	281.	3.5	-52.	2.252
467837	-.3	-3666.	322.	6620.	-124.	-5.	6.2	-1.9	-518.	-4.	-3.	-3.6	1795.	57.	-5.0	-151.	-999.000
467838	-.1	9809.	245.	4150.	-38.	-2.	3.4	.9	559.	-1.	-1.	-1.0	-664.	22.	-1.4	-44.	-999.000
467842	-.1	20920.	1209.	15480.	-64.	-3.	37.0	3.1	-457.	-2.	-1.	-1.8	6016.	289.	-2.6	-76.	-999.000
467843	-.2	42050.	1554.	12420.	-107.	-5.	45.6	2.0	-533.	-3.	-2.	-2.7	10710.	362.	-4.1	-143.	-999.000
467846	-.2	4266.	142.	3944.	-61.	-3.	3.8	-7	-117.	-2.	-1.	-1.7	-834.	35.	-2.3	139.	-999.000
467847	-.1	3761.	127.	1470.	-46.	-2.	1.3	-6	207.	-2.	-1.	-1.2	-527.	13.	-1.7	-54.	-999.000
467855	-.2	5553.	621.	9714.	-75.	-4.	10.9	3.3	-444.	-2.	-2.	-2.3	2941.	66.	-3.2	-93.	-999.000
467856	.3	22740.	593.	9918.	-56.	-3.	11.9	5.0	-367.	-4.	-1.	5.0	4283.	130.	3.5	197.	.300
467857	.3	10460.	1251.	10580.	-48.	-2.	23.1	5.3	-428.	-1.	-1.	3.8	3528.	295.	3.3	247.	.782
467876	.3	18210.	1319.	16910.	-57.	-3.	29.4	5.2	737.	-2.	-1.	3.0	6175.	222.	2.8	-73.	1.176
467881	.2	24450.	998.	13280.	-44.	-2.	25.2	3.9	-352.	-1.	2.	3.4	4142.	183.	-2.2	-54.	1.634
467885	.3	18640.	1626.	22930.	102.	-2.	19.9	3.4	-464.	-1.	-1.	4.8	3905.	190.	-1.7	-54.	1.645
467887	-.2	6085.	218.	5012.	-74.	-3.	7.1	1.4	-489.	-3.	-1.	-1.9	2050.	46.	-2.8	-108.	-999.000
467888	-.2	-3002.	243.	7371.	-75.	-3.	4.3	-1.2	-385.	-3.	-2.	-2.3	1552.	39.	-3.1	-96.	-999.000
467889	-.1	7615.	386.	8886.	-61.	-3.	11.4	2.3	-392.	-2.	-1.	-1.7	2224.	69.	-2.4	-76.	-999.000
467890	.3	19690.	1497.	17900.	-55.	-3.	25.6	5.0	-376.	-2.	-1.	1.8	5037.	225.	4.1	-58.	.814
467891	.2	11980.	606.	7802.	-56.	-3.	16.8	-1.8	-422.	-2.	-1.	-1.4	2989.	128.	-2.0	-59.	-999.000
467893	.4	12960.	709.	12960.	-51.	-4.	24.5	5.2	-340.	-1.	-1.	4.6	4170.	324.	3.9	514.	.887
467897	.4	17140.	1463.	20080.	-50.	-3.	31.9	3.9	-423.	-2.	2.	2.1	10050.	278.	3.3	-57.	2.358

SKAGWAY LAKE SEDIMENTS

PG. ONE - SAMPLE SET 4

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	TUNGSTEN PPM
467898	59.3136	135.6697	8.	6.	-999.	2.84	-5.	-5.	-5.	172.	-20.	-15.	-5.	-10.	-15.
467899	59.3400	135.6928	4.	5.	-999.	1.57	-5.	-5.	-5.	54.	-20.	-15.	-5.	-10.	-15.
467900	59.3564	135.7092	8.	6.	-999.	1.91	-5.	-5.	-5.	31.	-20.	-15.	6.	-10.	-15.
467901	59.2628	135.6711	7.	383.	-999.	2.83	-5.	-5.	-5.	29.	-20.	-15.	-5.	-10.	-15.
467902	59.2708	135.7100	7.	379.	-999.	3.00	-5.	-5.	-5.	19.	-20.	-15.	-5.	-10.	-15.
467903	59.2883	135.7469	7.	257.	-999.	3.02	-5.	-5.	-5.	24.	-20.	-15.	-5.	-10.	-15.

SKAGWAY LAKE SEDIMENTS

PG. TWO - SAMPLE SET 4

SAMPLE NO.	BE PPM	LI PPM	AL PPM	AU PPM	RA PPM	CA PPM	CE PPM	CL PPM	CO PPM	CR PPM	CS PPM	DT PPM	EU PPM	FE PPM	HF PPM	K PPM	LO PPM
467898	-999.	-999.	69550.	-0.	454.	33300.	59.	-159.	13.7	15.	-1.7	4.	1.4	52530.	13.2	16000.	22.
467899	-999.	-999.	76700.	-0.	451.	27210.	50.	-187.	5.0	-7.	2.4	5.	1.5	32740.	7.4	14350.	20.
467900	-999.	-999.	72240.	-0.	690.	23440.	22.	-238.	-1.9	-15.	-2.4	2.	.9	17850.	-1.7	17540.	-7.
467901	-999.	-999.	78840.	-0.	332.	48570.	42.	356.	18.4	51.	-2.3	9.	1.3	65340.	2.6	11600.	17.
467902	-999.	-999.	66050.	-0.	661.	51520.	32.	190.	10.6	45.	-1.8	4.	1.0	34650.	5.1	15570.	25.
467903	-999.	-999.	16000.	-0.	-244.	32970.	-6.	-116.	-0.1	24.	-1.9	-2.	-0.	22020.	-1.3	-3852.	-7.

SKAGWAY LAKE SEDIMENTS

PG. THREE - SAMPLE SET 4

SAMPLE NO.	LU PPM	HG PPM	KM PPM	NA PPM	RB PPM	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YR PPM	ZN PPM	U/TH RATIO
467898	.4	11330.	1472.	25540.	-43.	-2.	9.4	4.0	-378.	-1.	-1.	5.1	5769.	232.	4.1	184.	1.795
467899	.3	7221.	1339.	29100.	-33.	-1.	5.8	4.5	650.	-1.	2.	2.4	3532.	110.	3.1	-42.	1.529
467900	-.1	4562.	852.	25870.	-56.	-3.	5.5	1.7	-473.	-2.	-1.	1.7	2041.	69.	-2.3	61.	.860
467901	.3	17800.	1260.	24510.	-47.	-2.	21.1	3.9	-433.	-1.	-1.	4.3	3524.	161.	3.3	-58.	1.520
467902	.2	15880.	958.	21350.	-40.	-2.	13.5	2.1	-295.	-1.	-1.	6.0	3556.	128.	2.4	-40.	2.000
467903	-.1	-2174.	232.	5258.	-50.	-2.	5.5	1.2	-331.	-2.	-1.	-1.2	1191.	31.	-1.7	185.	-799.000

END