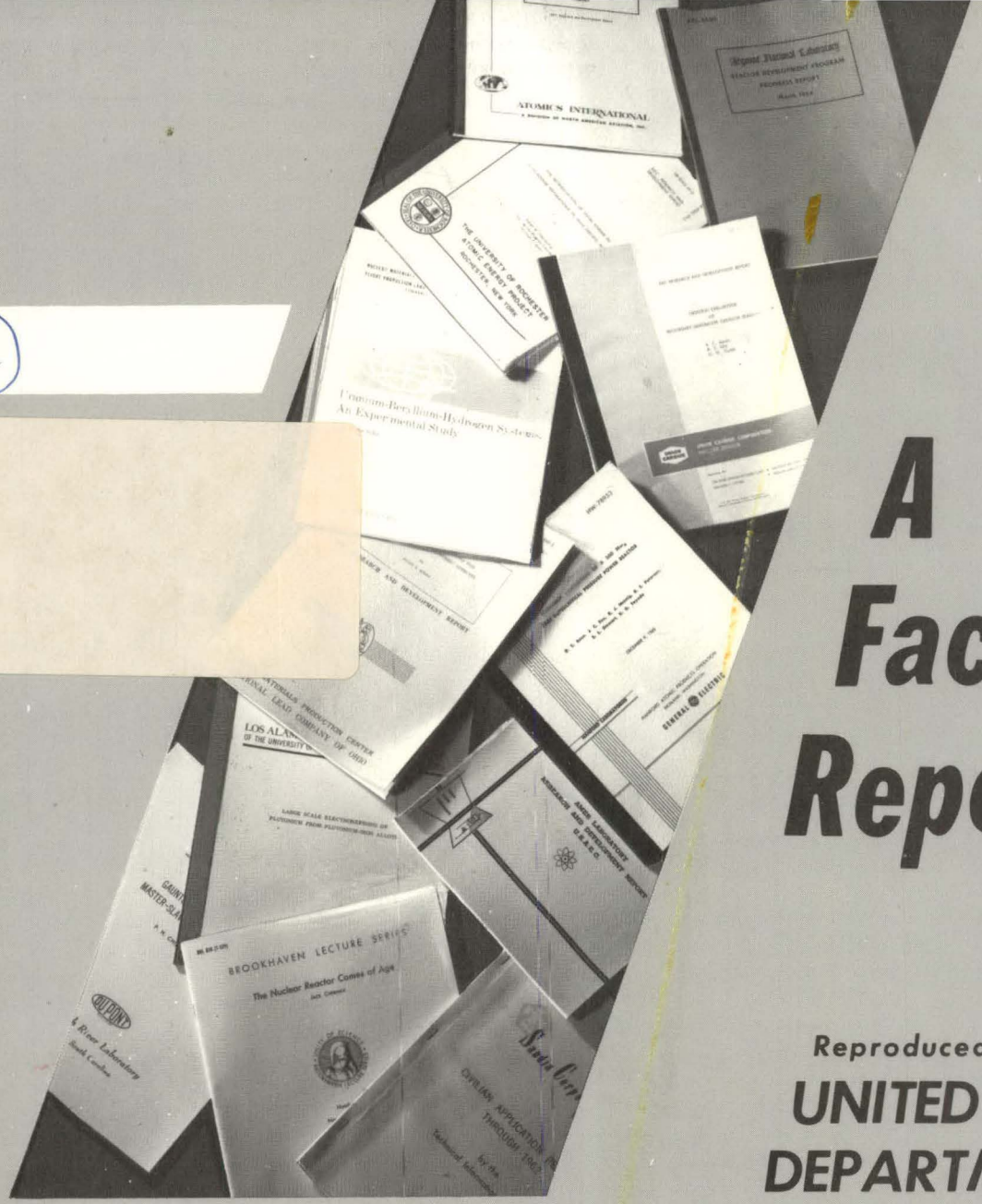
GJBX-48(82)

GJBX--48-82

DE82 016199



MASTER

A Facsimile Report

Reproduced by
UNITED STATES
DEPARTMENT OF ENERGY
Technical Information Center
P. O. Box 62 Oak Ridge, TN 37830

DISCLAIMER

START

GJBX-48(82)

National Uranium Resource Evaluation

URANIUM HYDROGEOCHEMICAL AND STREAM-SEDIMENT RECONNAISSANCE OF THE WAINWRIGHT 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

April 1982

PREPARED FOR THE U.S. DEPARTMENT OF ENERGY
Assistant Secretary for Nuclear Energy
Grand Junction Area Office, Colorado

This report is a result of work performed by Bendix Field Engineering Corporation, Operating Contractor for the U.S. Department of Energy, as part of the National Uranium Resource Evaluation. NURE was 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.

GJBX-48(82)

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

Data Compiled by

S. L. Langfeldt
L. C. Hardy
R. F. D'Andrea, Jr.
R. J. Zinkl
D. L. Shettel, Jr.

BENDIX FIELD ENGINEERING CORPORATION
Grand Junction, Colorado

Data Collection and Chemical Analysis by

S. R. Garcia
D. Hanks
W. E. George
S. L. Bolivar

LOS ALAMOS NATIONAL LABORATORY
Los Alamos, New Mexico

March 1982

PREPARED FOR THE U.S. DEPARTMENT OF ENERGY
Assistant Secretary for Nuclear Energy
Grand Junction Area Office, Colorado

CONTENTS

ILLUSTRATIONS

INTRODUCTION

This report presents results of a Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) of the Wainwright NTMS quadrangle, Alaska. In addition to this abbreviated data release, more complete data are available to the public in machine-readable form. These machine-readable data, as well as quarterly or semiannual program progress reports containing further information on the HSSR program in general, or on the Los Alamos National Laboratory (LANL) portion of the program in particular, are available from DOE's Technical Library at its Grand Junction Area Office. Inquiries should be directed to:

Technical Library
Bendix Field Engineering Corporation
P.O. Box 1569
Grand Junction, CO 81502-1569
(303) 242-8621, Ext. 279

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 have been subdivided by one of the Los Alamos National Laboratory 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 1:1,000,000 scale maps of pertinent elements have been included in this report. Also included are maps showing results of multivariate statistical analyses.

The Wainwright NTMS quadrangle hydrogeochemical reconnaissance was performed by the Los Alamos National Laboratory, under contract to the Grand Junction Area Office of the United States Department of Energy (DOE), as part of the National Uranium Resource Evaluation (NURE) program. Los Alamos National Laboratory was responsible for conducting the HSSR program in the states of New Mexico, Colorado, Wyoming, Montana, and Alaska. This data release was prepared by Bendix Field Engineering Corporation in order to make the data available to members of the public wishing to use the information but having no access to computing facilities.

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

RESULTS

Population statistics for lake sediments are given in Table 1. This table contains 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 lake sediment samples and thorium-to-uranium ratios of lake sediment samples are plotted in Plates 3 and 4. Locations of lake sediment samples are shown in Plate 5.

In addition to the full-sized plates, several page-sized maps and figures are included to assist in interpretation of the data. A scatter plot of uranium versus thorium in lake sediments is shown in Figure 1. This plot 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 2 and 3 show 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 Area Office as GJBX-236(81).

WEINWRIGHT LAKE SEDIMENT

Table 1. Population Statistics for Lake Sediment Data

VAR		TOTAL	NADL	NBDL	MISS	FOR TOTAL ANALYSES: MEAN	STD.DEV.	SKEWNESS	KURTOSIS	FOR ABOVE DETECTION LIMIT ANALYSES: MEAN	STD.DEV.	SKEWNESS	KURTOSIS	MAXIMUM	MINIMUM	DET.LIM.
1	PH	266	266	0	2	6.75	.67	-.43	3.17	6.75	.67	-.43	3.17	8.50	4.70	99999.00
2	MU	265	265	0	1	73.58	110.91	4.97	32.84	73.58	110.91	4.97	32.84	962.00	3.00	99999.00
3	UR	0	0	0	266	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99999.00
4	U	266	266	0	0	1.50	.68	1.34	8.12	1.50	.68	1.34	8.12	5.70	.18	99999.00
5	BE	263	1	262	3	2.53	.52	16.12	261.00	11.00	0.00	0.00	0.00	11.00	11.00	5.00
6	BI	263	13	250	3	2.65	.69	4.45	21.72	5.62	.62	.50	2.35	7.00	5.00	5.00
7	CD	263	1	262	3	2.51	.15	16.12	261.00	5.00	0.00	0.00	0.00	5.00	5.00	5.00
8	CU	263	182	81	3	14.82	9.04	.83	3.62	19.19	7.69	1.16	4.94	51.00	10.00	10.00
9	NB	263	0	263	3	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	10.00	20.00
10	NI	263	127	136	3	15.78	13.82	5.27	45.77	24.64	15.60	5.85	42.85	148.00	15.00	15.00
11	PB	263	67	196	3	3.88	3.00	3.25	17.52	7.93	3.67	2.51	10.99	26.00	5.00	5.00
12	SN	263	3	260	3	5.43	4.39	11.39	142.04	43.00	15.90	.58	1.50	65.00	28.00	10.00
13	W	263	3	260	3	7.67	1.61	9.92	104.12	22.33	3.30	.71	1.50	27.00	20.00	15.00
14	AS	263	184	79	3	9.23	10.09	4.91	37.03	12.11	10.85	4.92	33.84	97.00	5.00	5.00
15	SE	263	0	263	3	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	2.50	5.00
16	ZR	263	263	0	3	129.23	123.08	3.02	16.82	129.23	123.08	3.02	16.82	1025.00	21.00	99999.00
17	MO	0	0	0	266	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99999.00
18	AG	0	0	0	266	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99999.00
19	LI	0	0	0	266	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99999.00
20	AL	266	264	2	0	24524.76	11742.81	.89	3.64	24694.92	11622.24	.94	3.66	64960.00	3340.00	1723.00
21	AU	266	9	257	0	.05	.09	6.55	51.43	.40	.22	1.05	3.17	.89	.14	.03
22	BA	266	238	28	0	373.30	140.12	.34	3.29	403.98	131.92	1.00	3.44	811.00	142.00	193.00
23	CA	266	147	119	0	3066.97	3395.09	1.74	5.96	5006.08	3347.51	1.47	4.88	17060.00	1134.00	1062.00
24	CE	266	233	33	0	35.45	17.71	.24	3.56	39.52	14.42	.91	4.81	96.00	7.00	5.00
25	CL	266	148	98	0	312.94	490.30	5.68	54.75	476.08	540.59	5.46	46.83	5515.00	52.00	40.00
26	CO	266	227	39	0	6.66	6.32	5.92	56.90	7.53	6.35	6.51	61.65	73.90	2.30	1.70
27	CR	266	240	26	0	213.62	362.13	4.34	26.49	235.51	374.71	4.19	24.60	2979.00	17.00	14.00
28	CS	266	36	230	0	1.12	1.17	6.06	57.76	2.56	1.40	1.65	6.97	7.90	.40	.70
29	DY	266	233	33	0	2.55	1.31	.46	2.94	2.80	1.13	.68	3.09	6.00	1.00	1.00
30	EU	266	205	61	0	.68	.38	1.13	7.98	.81	.27	.83	3.76	1.70	.30	.40
31	FE	266	265	1	0	22751.15	26806.69	6.98	65.65	22800.27	26849.27	6.98	65.47	306200.00	4490.00	19470.00
32	HF	266	183	83	0	4.97	5.65	3.23	20.19	6.81	5.93	3.26	19.55	50.50	1.00	1.20
33	K	266	164	102	0	4501.91	3086.11	.98	3.45	6251.41	2633.04	1.14	3.56	14580.00	2293.00	2136.00
34	LA	266	151	115	0	12.93	9.44	1.72	11.23	18.84	6.05	.79	3.90	43.00	8.00	8.00
35	LU	265	178	87	1	.19	.13	2.23	15.14	.23	.10	.70	3.39	.60	.10	.10
36	MG	266	137	129	0	2009.96	1673.79	1.39	4.96	3199.80	1558.97	1.17	4.88	10170.00	972.00	726.00
37	MN	266	265	1	0	195.55	314.90	7.48	68.34	196.27	315.28	7.47	68.20	3414.00	37.00	11.00
38	NA	266	265	1	0	4822.47	2694.00	.53	2.84	4839.81	2694.56	.54	2.84	13310.00	497.00	561.00
39	PB	266	9	257	0	18.99	20.63	9.94	134.83	48.22	17.33	-.22	1.89	76.00	21.00	12.00
40	SB	266	1	265	0	1.17	1.26	10.88	151.85	6.00	0.00	0.00	0.00	6.00	6.00	1.00
41	SC	266	264	2	0	5.48	3.05	1.79	7.87	5.51	3.04	1.83	7.99	21.40	1.20	.20
42	SM	266	213	53	0	2.62	1.47	.37	3.07	3.11	1.14	1.02	4.14	7.30	.90	.70
43	SR	265	0	265	1	90.19	44.41	1.68	5.73	0.00	0.00	0.00	0.00	90.19	90.18	82.00
44	TA	263	0	263	3	1.03	1.45	13.34	202.66	0.00	0.00	0.00	0.00	1.03	1.03	1.00
45	TB	125	2	123	141	.54	.36	10.58	115.74	1.00	0.00	0.00	0.00	1.00	1.00	1.00
46	TH	266	230	36	0	4.03	2.20	.94	4.60	4.47	1.91	1.31	5.47	13.80	1.40	1.50
47	TI	226	226	0	40	2324.48	941.22	.61	3.09	2324.48	941.22	.61	3.09	5779.00	449.00	99999.00
48	V	266	256	10	0	53.26	26.69	.98	3.86	55.09	25.51	1.20	3.97	149.00	15.00	13.00
49	ZN	266	116	150	0	1.61	1.27	4.88	47.51	2.34	.94	.87	3.55	5.40	.90	1.70
50	ZN	266	80	186	0	51.38	64.92	4.44	29.44	95.40	82.93	2.48	11.52	524.00	21.00	18.00
51	TU	230	230	0	36	2.81	.59	.62	4.14	2.81	.59	.62	4.14	4.61	.58	99999.00

NUMBER OF SAMPLES = 266

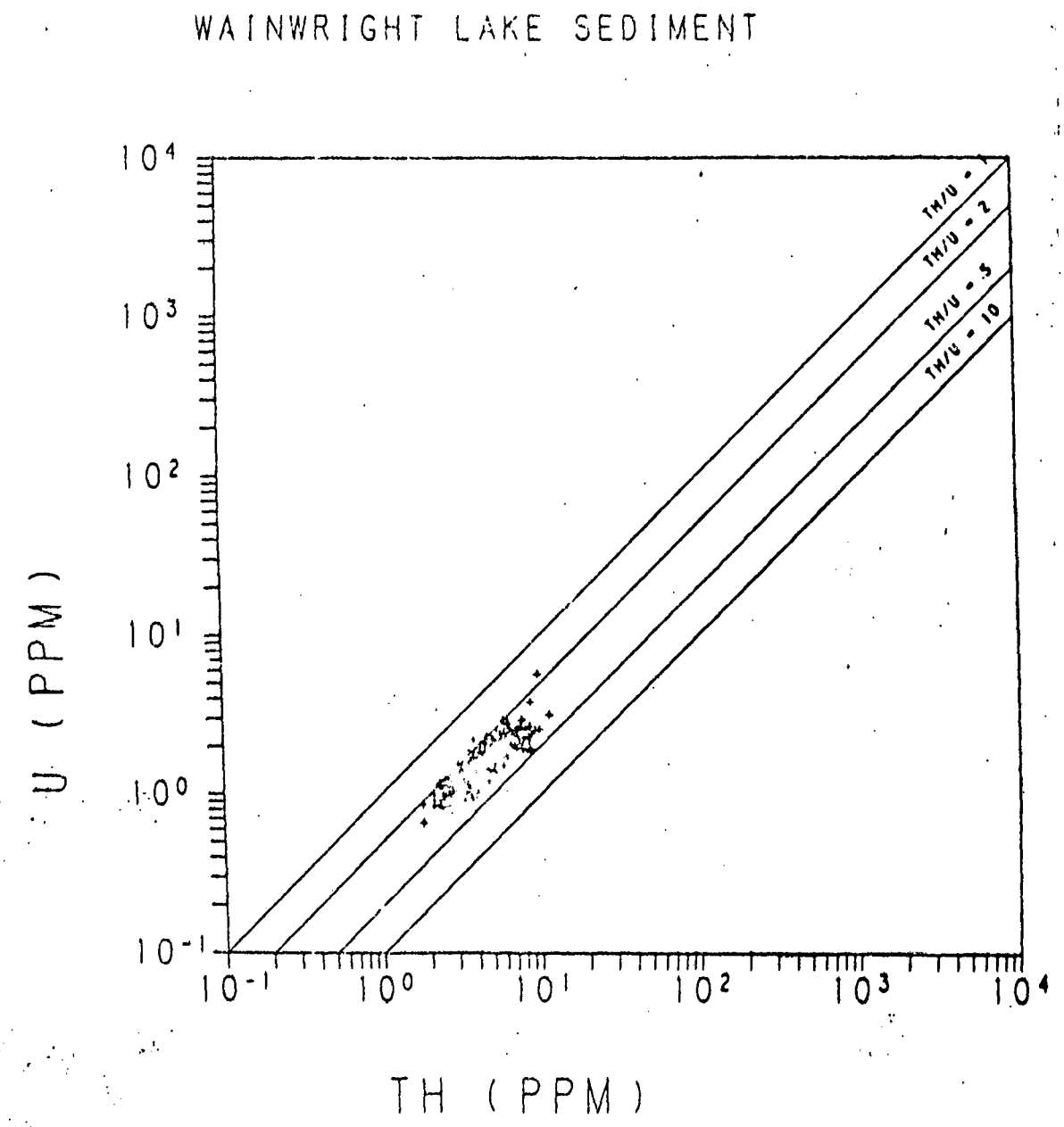


Figure 1. Uranium versus Thorium, Lake Sediments

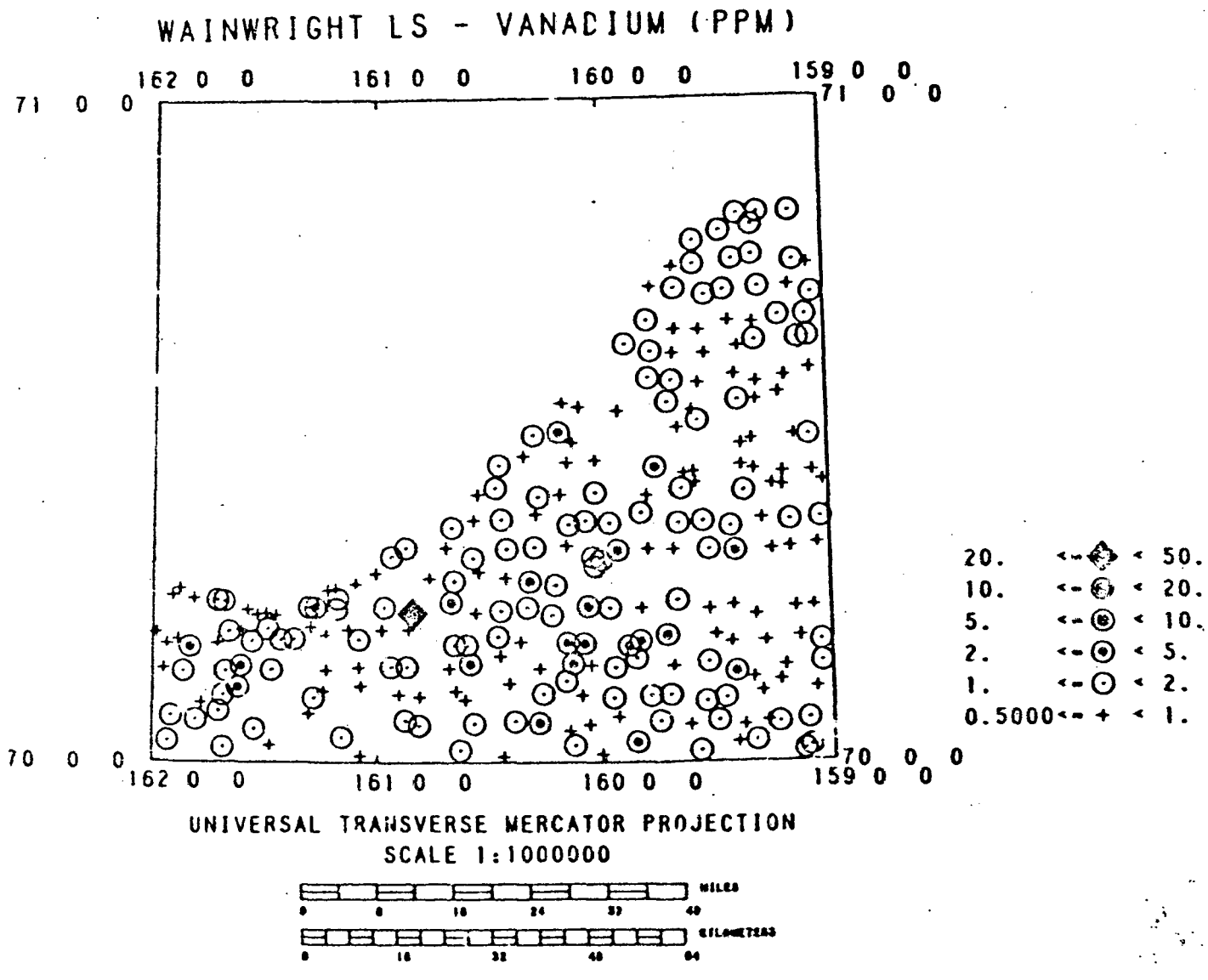


Figure 2. Vanadium (ppm) in Lake Sediments

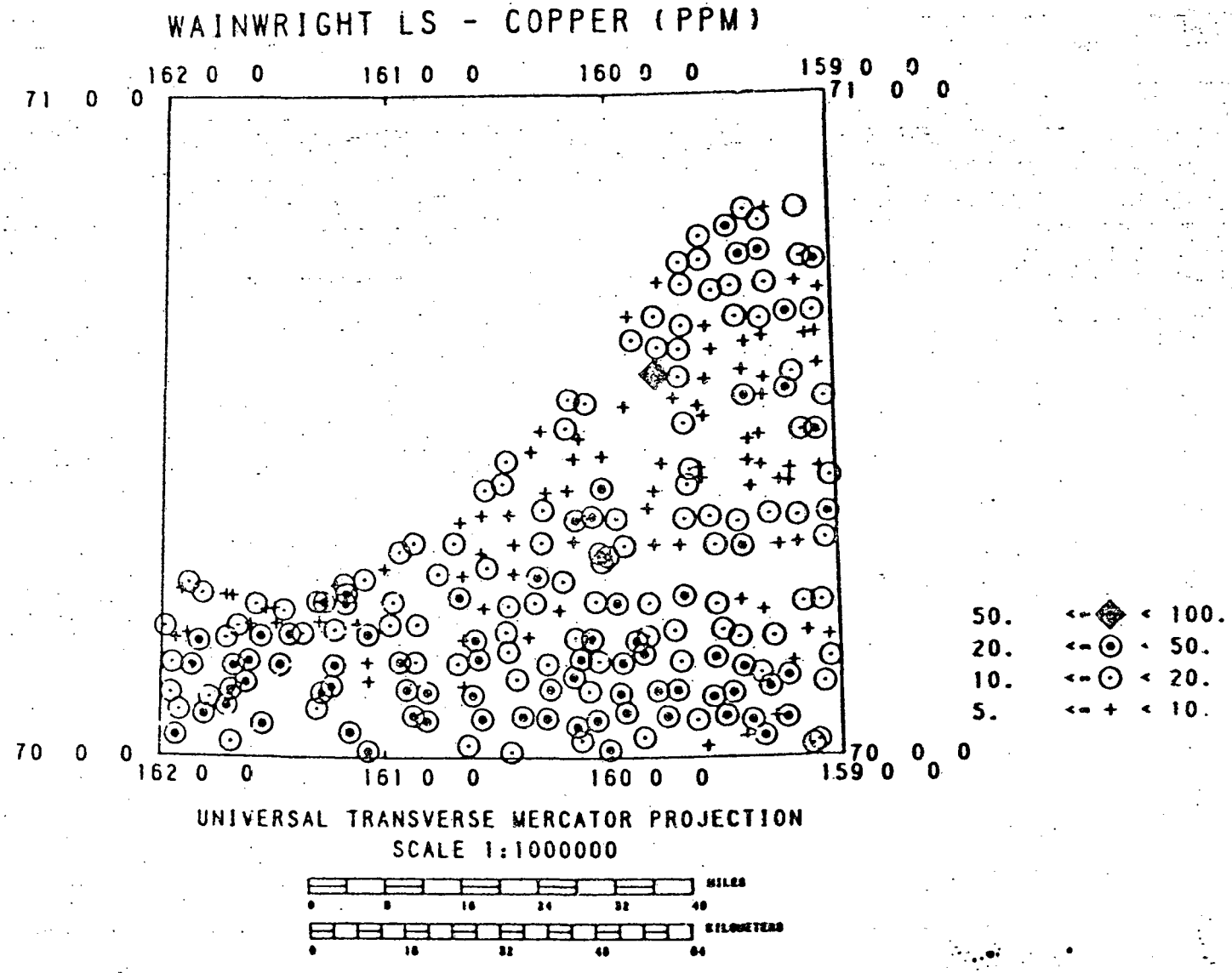


Figure 3. Copper (ppm) in Lake Sediments

MULTIVARIATE STATISTICAL ANALYSES

Lake-sediment analyses were edited by the FACEDT computer program (Shettel and others, 1980) in preparation for multivariate statistical analyses, by eliminating samples and variables with insufficient data. Information contained in the lake-sediment data sets before and after editing is shown in Tables 2 and 3. The edited data sets are logarithmically transformed prior to the application of statistical methods.

R-mode factor analysis (Table 4) 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 (Table 5) 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 4 through 7.

Table 2. Lake Sediment Data Before Editing

VAR	# MISSING	%	# BDL	%	MEAN	STD DEV
1 PH	2	.75	0	0.00	6.75	.67
2 MU	1	.38	0	0.00	73.58	110.91
3 UR	266	100.00	0	0.00	0.00	0.00
4 U	0	0.00	0	0.00	1.50	.68
5 AG	3	1.13	262	98.50	2.53	.52
6 BI	3	1.13	250	93.98	2.65	.69
7 CD	3	1.13	262	98.50	2.51	.15
8 CU	3	1.13	81	30.45	14.82	9.04
9 NB	3	1.13	263	98.87	10.00	0.00
10 NI	3	1.13	136	51.13	15.78	13.82
11 PB	3	1.13	196	73.68	3.88	3.00
12 SN	3	1.13	260	97.74	5.43	4.38
13 W	3	1.13	260	97.74	7.67	1.61
14 AS	3	1.13	79	29.70	9.23	10.09
15 SE	3	1.13	263	98.87	2.50	0.00
16 ZR	3	1.13	0	0.00	129.23	123.08
17 MO	266	100.00	0	0.00	0.00	0.00
18 BE	266	100.00	0	0.00	0.00	0.00
19 LI	266	100.00	0	0.00	0.00	0.00
20 AL	0	0.00	2	.75	24524.76	11742.81
21 AU	0	0.00	257	96.62	.05	.09
22 BA	0	0.00	28	10.53	373.30	160.12
23 CA	0	0.00	119	44.74	3066.97	3395.09
24 CE	0	0.00	33	12.41	35.45	17.71
25 CL	0	0.00	98	36.84	312.94	480.30
26 CO	0	0.00	39	14.66	6.66	6.32
27 CR	0	0.00	26	9.77	213.62	362.13
28 CS	0	0.00	230	86.47	1.12	1.17
29 DY	0	0.00	33	12.41	2.55	1.31
30 EU	0	0.00	61	22.93	.68	.38
31 FE	0	0.00	1	.38	22751.15	25806.69
32 HF	0	0.00	83	31.20	4.97	5.65
33 K	0	0.00	102	38.35	4501.91	3086.11
34 LA	0	0.00	115	43.23	12.93	9.44
35 LU	1	.38	87	32.71	.19	.13
36 MG	0	0.00	129	48.50	2009.96	1673.79
37 MN	0	0.00	1	.38	195.55	314.90
38 NA	0	0.00	1	.38	4822.47	2694.00
39 RB	0	0.00	257	96.62	18.99	20.63
40 SB	0	0.00	265	99.62	1.17	1.26
41 SC	0	0.00	2	.75	5.48	3.03
42 SM	0	0.00	53	19.92	2.62	1.47
43 SR	1	.38	265	99.62	90.18	44.41
44 TA	3	1.13	263	98.87	1.03	1.45
45 TB	141	53.01	123	46.24	.54	.36
46 TH	0	0.00	36	13.53	4.01	2.20
47 TI	40	15.04	0	0.00	2324.43	941.22
48 V	0	0.00	10	3.76	53.26	26.69
49 YB	0	0.00	150	56.39	1.61	1.27
50 ZN	0	0.00	186	69.92	51.38	64.92
51 TU	36	13.53	0	0.00	2.81	.99

TOTAL NUMBER OF SAMPLES = 266

TOTAL NUMBER OF SAMPLES = 266

10

Table 3. Lake Sediment Data After Editing

VAR	# MISSING	%	# BDL	%	MEAN	STD DEV
1 PH	0	0.00	0	0.00	6.71	.70
2 MU	0	0.00	0	0.00	69.38	84.34
3 U	0	0.00	0	0.00	1.65	.62
4 CU	0	0.00	69	32.55	14.43	8.74
5 AS	0	0.00	67	31.60	8.96	9.21
6 ZR	0	0.00	0	0.00	150.21	129.01
7 AL	0	0.00	0	0.00	27216.70	10705.93
8 BA	0	0.00	1	.47	406.90	135.32
9 CA	0	0.00	78	36.79	3106.38	3210.56
10 CE	0	0.00	3	1.42	40.19	13.47
11 CL	0	0.00	92	43.40	215.10	277.66
12 CO	0	0.00	15	7.08	6.60	3.74
13 CR	0	0.00	2	.94	258.52	392.71
14 DY	0	0.00	4	1.89	2.83	1.16
15 EU	0	0.00	19	8.96	.76	.31
16 FE	0	0.00	0	0.00	21079.02	21435.94
17 HF	0	0.00	34	16.04	5.92	5.91
18 K	0	0.00	54	25.47	5033.71	3067.30
19 LA	0	0.00	65	30.66	14.29	8.34
20 LU	0	0.00	40	18.87	.20	.11
21 MG	0	0.00	81	38.21	2207.33	1662.89
22 MN	0	0.00	0	0.00	167.49	247.75
23 NA	0	0.00	0	0.00	5550.46	2448.32
24 SC	0	0.00	0	0.00	5.85	2.87
25 SM	0	0.00	16	7.55	2.98	1.26
26 TH	0	0.00	0	0.00	4.54	1.81
27 TI	0	0.00	0	0.00	2391.88	909.99
28 V	0	0.00	0	0.00	58.14	24.95
29 TU	0	0.00	0	0.00	2.76	.51

TOTAL NUMBER OF SAMPLES = 212

Table 4. R-mode Factor Analysis of Lake Sediment Data

FACTOR ANALYSIS (CASE 2)
WATERLIGHT LAKE SEDIMENT
NUMBER OF SAMPLES 217
NUMBER OF VARIABLES 29

CORRELATION COEFFICIENTS

	PH	MO	U	CU	AS	ZR	AL	BA	CA	CE	CL	CO	CR	DY	EU
PH	1.000														
MO	-.273	1.000													
U	.075	.041	1.000												
CU	.112	-.002	.372	1.000											
AS	.039	.069	.343	.464	1.000										
ZR	-.050	.001	.550	-.179	-.190	1.000									
AL	.134	.012	.775	.548	.359	.180	1.000								
BA	.074	.001	.512	.529	.512	-.183	.671	1.000							
CA	.034	.025	.304	.049	.178	.270	.166	.114	1.000						
CE	.009	-.005	.722	.139	.117	.542	.563	.299	.298	1.000					
CL	-.053	.201	-.056	.308	.339	-.590	.098	.293	-.234	-.268	1.000				
CO	.035	-.009	.600	.240	.392	.216	.606	.465	.324	.492	-.058	1.000			
CR	-.116	.002	.208	-.380	-.313	.796	-.194	-.375	.136	.373	-.533	-.019	1.000		
DY	.049	.042	.768	.399	.405	.264	.719	.554	.270	.624	.095	.472	-.010	1.000	
EU	.047	.000	.570	.107	.215	.361	.472	.367	.271	.632	-.256	.484	.183	.499	1.000
FE	.039	.059	.460	.499	.705	-.277	.550	.627	.168	.212	.452	.621	-.447	.471	.279
HF	-.075	-.011	.424	-.256	-.293	.919	.111	-.252	.220	.497	-.590	.159	.786	.176	.336
K	.135	-.066	.488	.181	-.028	.436	.588	.257	.117	.509	-.418	.329	.199	.364	.396
LA	.024	.029	.384	-.064	-.169	.670	.232	-.094	.197	.462	-.614	.219	.547	.191	.345
LU	.073	-.034	.561	.113	.095	.570	.492	.198	.298	.606	-.310	.408	.349	.521	.530
MG	.115	.040	.506	.373	.217	.240	.567	.369	.339	.409	-.059	.412	.025	.505	.386
MN	.033	.016	.594	.412	.488	.209	.592	.481	.420	.502	.005	.727	-.021	.520	.408
NA	.008	-.057	.428	-.037	-.229	.730	.417	-.062	.168	.431	-.536	.191	.415	.272	.371
SC	.122	.035	.780	.540	.547	-.011	.890	.759	.149	.478	.344	.604	-.293	.723	.425
SM	.115	.012	.632	.203	.201	.423	.514	.283	.320	.680	-.164	.422	.259	.528	.385
TH	.004	.041	.881	.479	.434	.305	.835	.627	.257	.636	.089	.641	-.007	.760	.520
TI	.046	-.004	.791	.127	.016	.797	.628	.211	.322	.727	-.299	.447	.490	.576	.534
V	.133	.034	.771	.572	.559	.022	.891	.738	.177	.549	.298	.614	-.239	.764	.456
YB	.055	.009	-.013	.290	.250	-.408	.281	.345	-.037	-.037	.296	.207	-.458	.093	-.009

	FE	HF	K	LA	LU	MG	MN	NA	SC	SM	TH	TI	V	YB
FE	1.000													
HF	-.366	1.000												
K	-.001	.404	1.000											
LA	-.210	.440	.529	1.000										
LU	.135	.126	.493	.460	1.000									
MG	.262	.176	.480	.223	.341	1.000								
MN	.714	.107	.293	.109	.420	.426	1.000							
NA	-.275	.751	.507	.423	.497	.291	.101	1.000						
SC	.747	-.114	.338	.027	.331	.498	.647	.077	1.000					
SM	.245	.341	.436	.348	.536	.393	.441	.372	.474	1.000				
TH	.588	.193	.469	.239	.590	.534	.682	.273	.840	.595	1.000			
TI	.656	.738	.430	.007	.462	.461	.650	.734	.435	.496	.656	1.000		
V	.744	-.041	.385	.063	.615	.508	.677	.094	.894	.506	.852	.674	1.000	
YB	.214	-.403	.040	-.220	-.010	.160	.112	-.242	.322	.047	.425	-.130	.372	1.000

Table 4. R-mode Factor Analysis of Lake Sediment Data
(continued)

	FACTOR				
	1	2	3	4	5
EIGENVALUES	10.92495	6.39366	1.53846	1.29522	.99253
CPTV	.37672	.59719	.65024	.69491	.72913
ELEMENTS	UNROTATED FACTOR LOADINGS				
PH	-.10808	-.06742	-.57403	-.38195	.31213
MO	-.02475	-.07724	.53352	.55299	-.30154
U	-.92681	.05095	.11369	.05301	.22063
CU	-.45265	-.50907	-.19337	.08885	-.07183
AS	-.40631	-.57122	.25040	-.19694	.04570
ZR	-.46655	.80644	.14829	.02625	.08783
AL	-.87110	-.23324	-.23936	.19089	-.02228
BA	-.59886	-.54683	-.09944	.06398	.02203
CA	-.37380	.12907	.29159	-.53614	-.38783
CE	-.77679	.28203	.09074	-.01726	.11694
CL	.10399	-.76321	.20189	.31965	.22161
CO	-.71493	-.15699	.13650	-.26502	-.17217
CR	-.12696	.81619	.25843	-.01247	.12553
DY	-.80290	-.14136	.06990	.15250	.17967
EU	-.66775	.15602	.06545	-.11103	.00753
FE	-.53112	-.70103	.22438	-.19118	.03766
HF	-.37210	.84844	.11419	.06879	.07024
K	-.61028	.32055	-.44659	.18392	-.24213
LA	-.41616	.65239	-.07379	.01552	-.16749
LI	-.69101	.33411	.00303	-.02148	.08015
MG	-.62747	-.03036	-.15895	.01789	-.35624
MN	-.74697	-.21622	.25395	-.30892	-.06296
NA	-.46727	.66184	-.23907	.18984	-.09274
SC	-.81704	-.49359	-.03309	.12275	.12019
SM	-.71000	.17238	.04793	-.06614	.07908
TH	-.90834	-.19777	-.02473	.08087	.00601
TI	-.79620	.48846	-.03022	.10036	.04637
V	-.84354	-.45074	-.02570	.09777	.10254
YB	-.14490	-.53400	-.26970	.06095	-.41991

Table 5. Regression Analysis Results, Lake Sediment

MULTIPLE REGRESSION ANALYSIS

PROBLEM WAINWRIGHT LAKE SEDIMENT

OBSERVATIONS 212

PROBLEM	WAINWRIGHT LAKE SEDIMENT
STEPWISE REGRESSION CASE	1
DEPENDENT VARIABLE	9
F-LEVEL TO ENTER	5.00000
F-LEVEL TO REMOVE	5.00000
STANDARD ERROR OF Y	.34697

STEP NO. 1

ENTERED VARIABLE 26

F-LEVEL	720.57383
STANDARD ERROR OF Y	.16446
MULTIPLE CORRELATION	.88105
R-SQUARED	.77626
DEGREES OF FREEDOM	210
CONSTANT TERM	-.71031

VARIABLE	BETA PRIME	BETA	SE(BETA)
26	.88105E+00	.79840E+00	.29582E-01

STEP NO. 2

ENTERED VARIABLE 6

F-LEVEL	132.41403
STANDARD ERROR OF Y	.12940
MULTIPLE CORRELATION	.92921
R-SQUARED	.86343
DEGREES OF FREEDOM	209
CONSTANT TERM	-1.33875

VARIABLE	BETA PRIME	BETA	SE(BETA)
6	.31035E+00	.15789E+00	.13669E-01
26	.79442E+00	.71272E+00	.24327E-01

Table 5. Regression Analysis Results, Lake Sediment
(continued)

STEP NO. 3

ENTERED VARIABLE 24

F-LEVEL	182.72030
STANDARD ERROR OF Y	.09420
MULTIPLE CORRELATION	.96294
R-SQUARED	.92730
DEGREES OF FREEDOM	208
CONSTANT TERM	-1.81091

VARIABLE	BETA PRIME	BETA	SE(BETA)
6	.49132E+00	.25020E+00	.12107E-01
24	.60070E+00	.46841E+00	.34653E-01
25	.21421E+00	.19413E+00	.42290E-01

STEP NO. 4

ENTERED VARIABLE 14

F-LEVEL	16.23581
STANDARD ERROR OF Y	.09093
MULTIPLE CORRELATION	.96570
R-SQUARED	.93259
DEGREES OF FREEDOM	207
CONSTANT TERM	-1.72034

VARIABLE	BETA PRIME	BETA	SE(BETA)
6	.46732E+00	.23797E+00	.12074E-01
14	.11530E+00	.85488E-01	.21209E-01
24	.53731E+00	.41909E+00	.35629E-01
25	.19067E+00	.17285E+00	.41163E-01

STEP NO. 5

ENTERED VARIABLE 7

F-LEVEL	16.30800
STANDARD ERROR OF Y	.08774
MULTIPLE CORRELATION	.96824
R-SQUARED	.93753
DEGREES OF FREEDOM	206
CONSTANT TERM	-.36091

VARIABLE	BETA PRIME	BETA	SE(BETA)
6	.49428E+00	.25149E+00	.12136E-01
7	-.17015E+00	-.15993E+00	.39879E-01
14	.12469E+00	.92345E-01	.20836E-01
24	.67447E+00	.52594E+00	.43398E-01
25	.19971E+00	.18099E+00	.39772E-01

Table 5. Regression Analysis Results, Lake Sediment
(continued)

STEP NO. 6

ENTERED VARIABLE 13

F-LEVEL	5.81644
STANDARD ERROR OF Y	.09673
MULTIPLE CORRELATION	.96015
R-SQUARED	.93025
DEGREES OF FREEDOM	204
CONSTANT TERM	-.01515

VARIABLE	BETA PRIME	BETA	SE(BETA)
6	.56852E+00	.28951E+00	.19743E-01
7	-.21119E+00	-.19936E+00	.42260E-01
13	-.83001E-01	-.30378E-01	.12596E-01
14	.12400E+00	.91900E-01	.20301E-01
24	.68713E+00	.53591E+00	.43093E-01
26	.20033E+00	.19155E+00	.39316E-01

STEP NO. 7

ENTERED VARIABLE 10

F-LEVEL	9.54051
STANDARD ERROR OF Y	.09409
MULTIPLE CORRELATION	.97055
R-SQUARED	.94197
DEGREES OF FREEDOM	204
CONSTANT TERM	.09449

VARIABLE	BETA PRIME	BETA	SE(BETA)
6	.56810E+00	.28930E+00	.19244E-01
7	-.23990E+00	-.22534E+00	.41317E-01
10	.94773E-01	.70565E-01	.22946E-01
13	-.11742E+00	-.42514E-01	.12952E-01
14	.99029E-01	.73339E-01	.20779E-01
24	.70003E+00	.54587E+00	.42340E-01
26	.17773E+00	.14107E+00	.38088E-01

STEP NO. 8

ENTERED VARIABLE 27

F-LEVEL	9.05904
STANDARD ERROR OF Y	.08897
MULTIPLE CORRELATION	.97140
R-SQUARED	.94362
DEGREES OF FREEDOM	203
CONSTANT TERM	.12413

Table 5. Regression Analysis Results, Lake Sediment
(continued)

VARIABLE	BETA PRIME	BETA	SE(BETA)
6	.[illegible]+00	.261[illegible]+00	.27[illegible]-01
7	-.30562[illegible]+00	-.28706E+00	.49[illegible]-01
10	.740[illegible]-01	.61571E-01	.22[illegible]-01
13	-.13375[illegible]+00	-.44430E-01	.13025[illegible]-01
14	.[illegible]-01	.69310E-01	.20597[illegible]-01
24	.72237[illegible]+00	.56494E+00	.42[illegible]-01
24	.16245E+00	.14741E+00	.39[illegible]E-01
27	.11754E+00	.10139E+00	.41777E-01

ANALYSIS OF VARIANCE

TERM	SS	DF	MS
TOTAL	.25387E+02	211	
REG	.23054E+02	8	.28945E+01
ERR	.14312E+01	203	.70504E-02

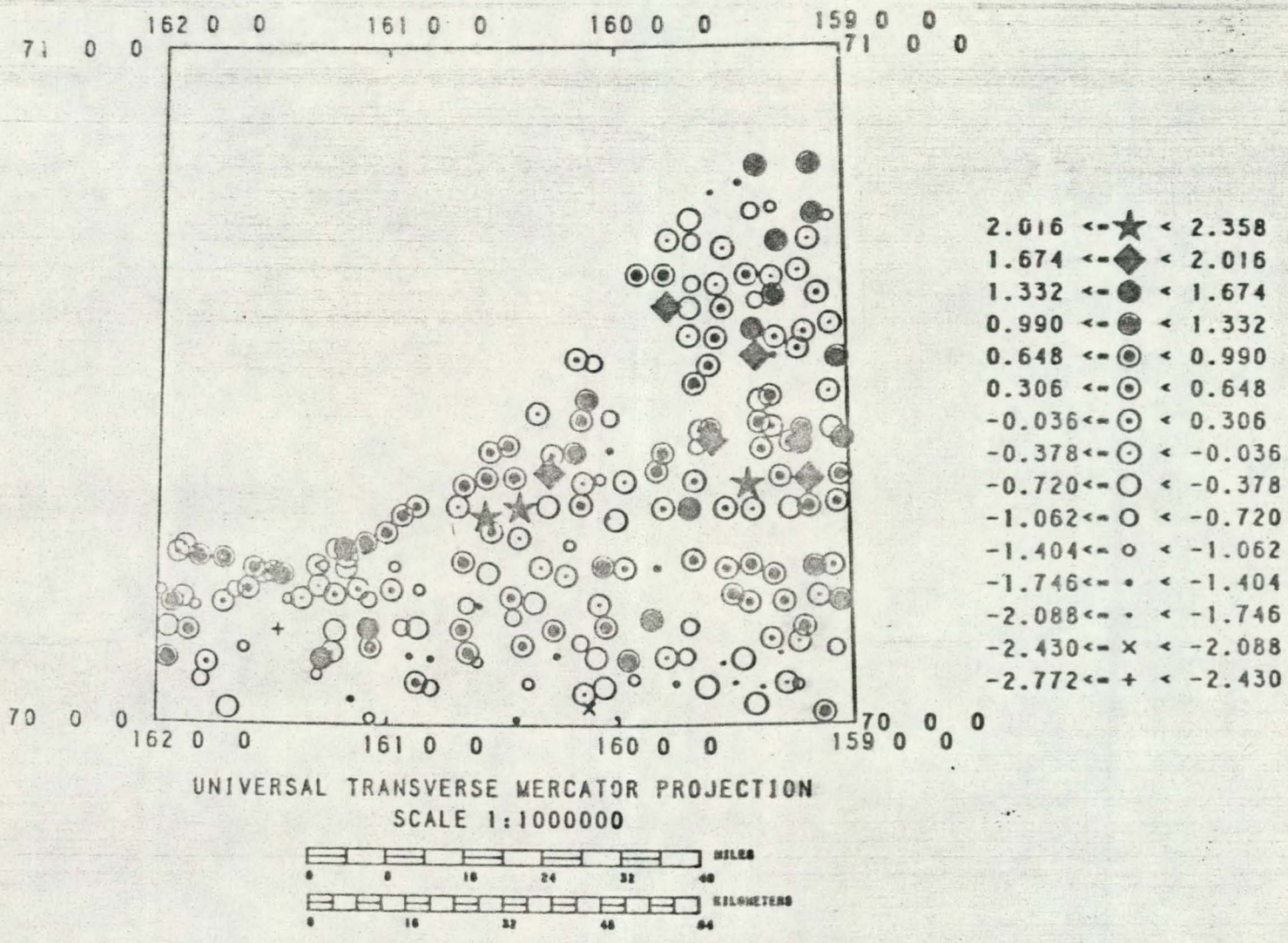


Figure 4. Lake Sediment Factor Score 1

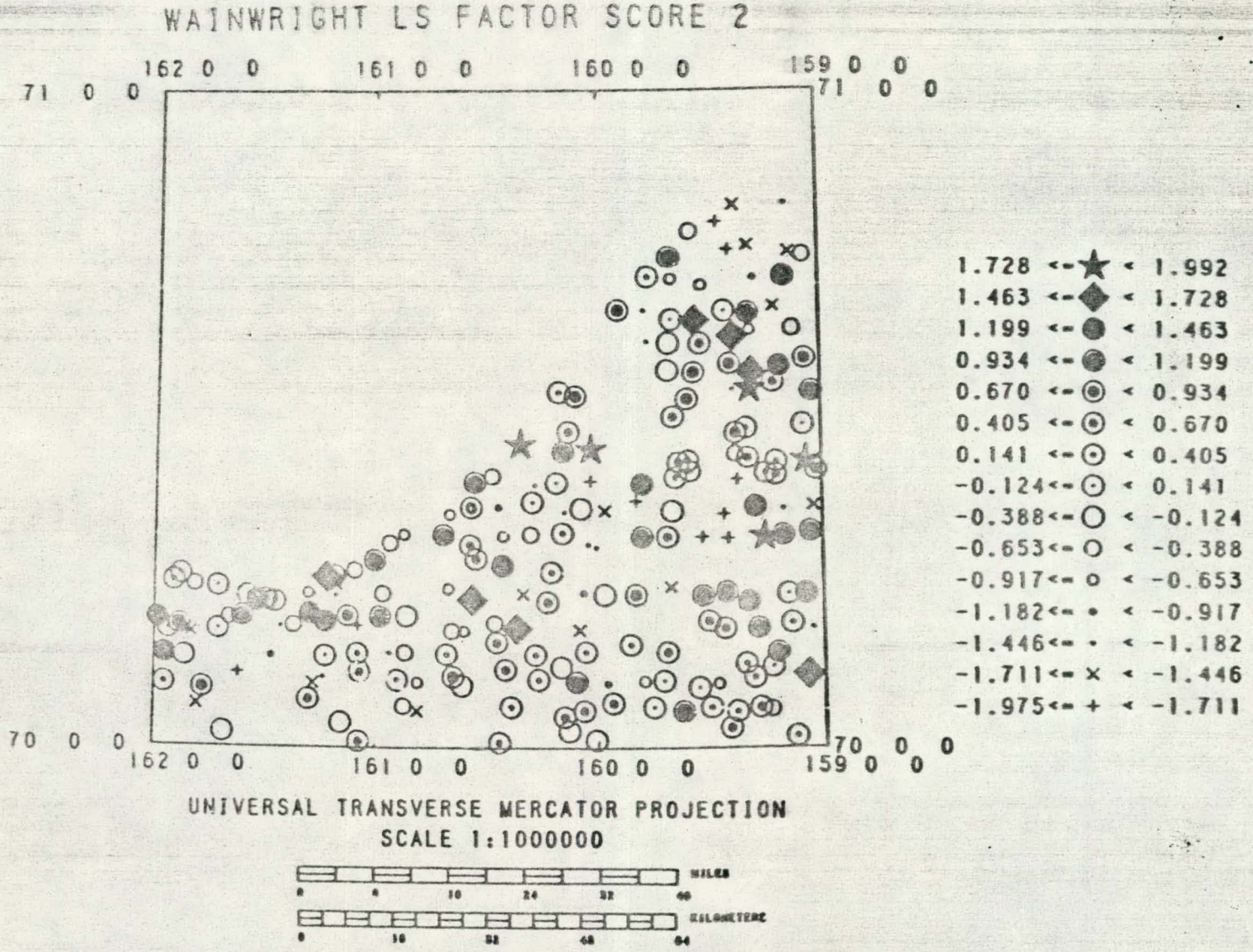


Figure 5. Lake Sediment Factor Score 2

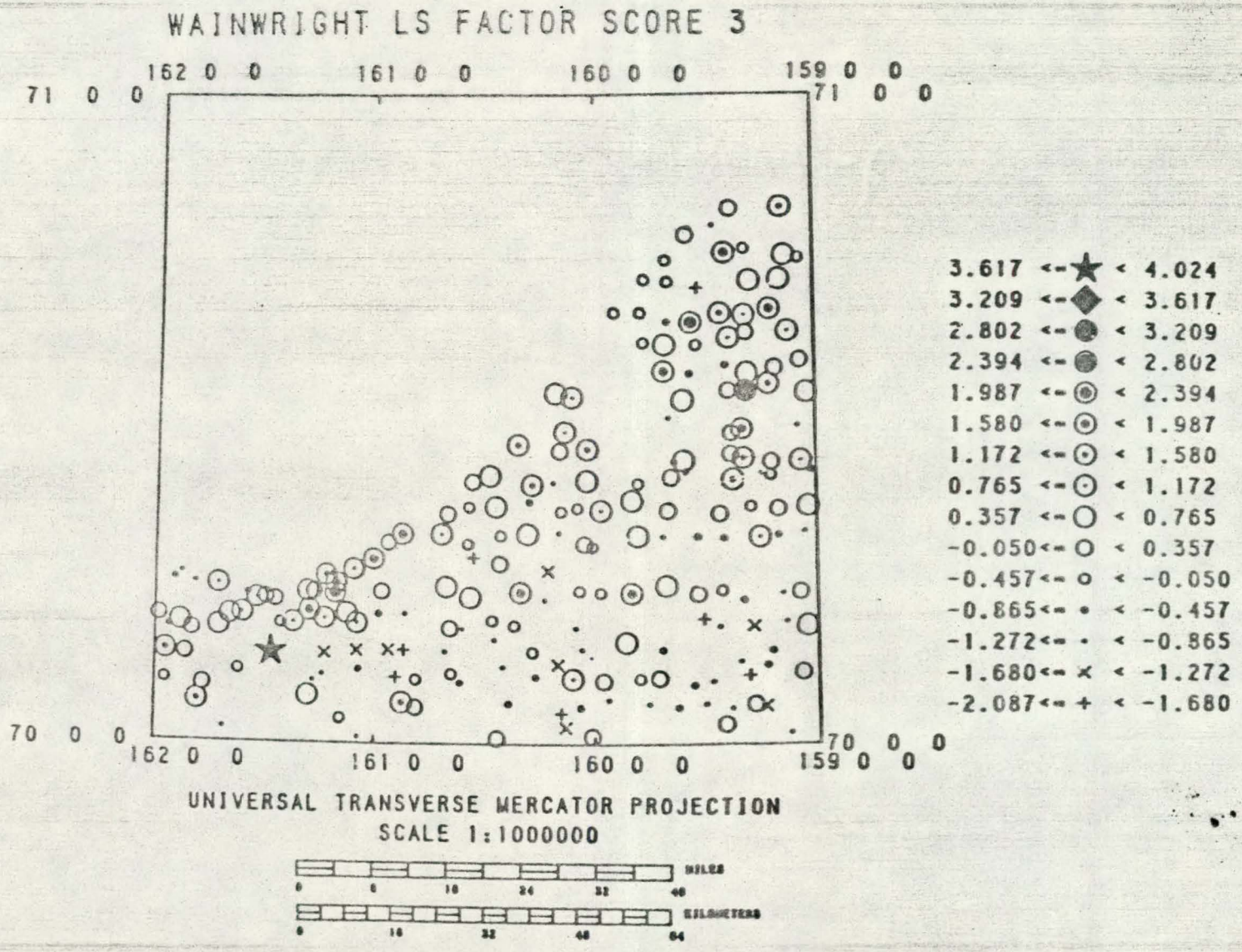


Figure 6. Lake Sediment Factor Score 3

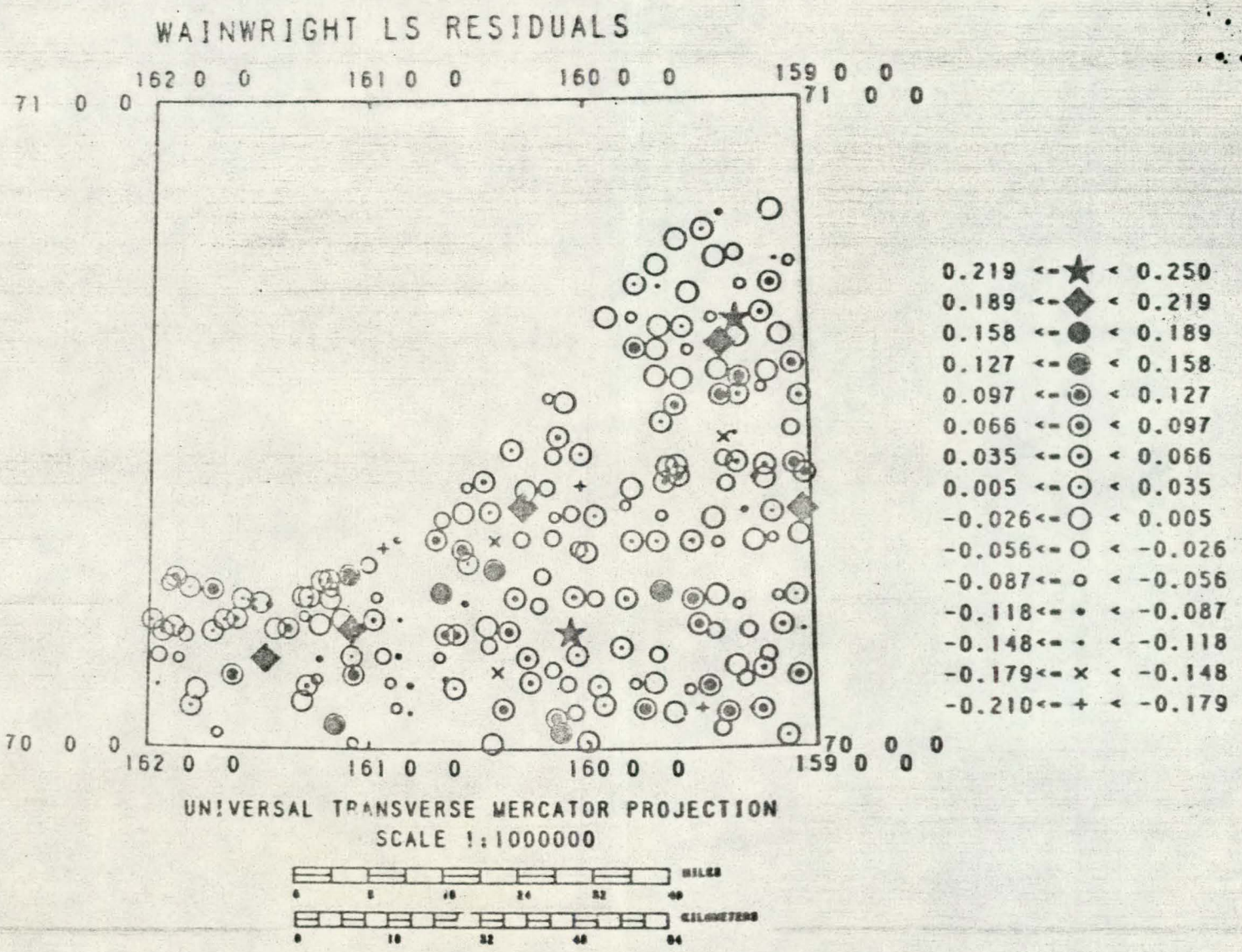


Figure 7. Lake Sediment Residuals

REFERENCES

Arendt, J. W., 1981, Hydrogeochemical and Stream Sediment Reconnaissance Basic Data for Wainwright Quadrangle, Alaska: U.S. Department of Energy Open-File Report GJBX-236(81).

Planner, H. N., Apel, C. T., Fuka, M. A., George, W. E., Hansel, J. M., Hensley, W. K., and Pirtle, J., 1981, Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Release for the Leadville NTMS Quadrangle, Colorado, Including Concentrations of Forty-two Additional Elements: U.S. Department of Energy Open-File Report GJBX-13(81).

Shettel, D. L., Jr., D'Andrea, R. F., Jr., and Zinkl, R. J., 1980, FACEDT: A FORTRAN Program to Process Hydrogeochemical and Stream Sediment Reconnaissance Data for Multivariate Statistical Analysis: U.S. Department of Energy Open-File Report GJBX-246(80).

Zinkl, R. J., D'Andrea, R. F., Jr., and Shettel, D. L., Jr., 1981a, FORTRAN Computer Programs to Read, Sort, and Edit Los Alamos Hydrogeochemical Data: U.S. Department of Energy Open-File Report GJBX-11(81).

———1981b, Symbolic Plotting of Geochemical Exploration Data: U.S. Department of Energy Open-File Report (in preparation).

Appendix A. Stream Sediment Data

Appendix A. Stream Sediment Data

WAINWRIGHT STREAM SEDIMENT — PG. ONE — SAMPLE SET 1

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
453841	70.2219	161.0439	6.	15.0	3.	1.53	-5.00	6.00	-5.00	11.00	-20.00	15.00	-5.00	-10.00	16.00
453922	70.0119	161.8192	8.	53.0	-9999.	.41	-5.00	-5.00	-5.00	19.00	-20.00	18.00	-5.00	-10.00	-15.00
453930	70.0242	161.5811	8.	56.0	1.	2.09	-5.00	-5.00	-5.00	22.00	-20.00	22.00	-5.00	-10.00	-15.00
453934	70.1156	161.4156	6.	37.0	2.	2.72	-5.00	5.00	-5.00	27.00	-20.00	29.00	5.00	-10.00	-15.00
453935	70.0622	161.4261	6.	55.0	3.	1.71	-5.00	-5.00	-5.00	13.00	-20.00	19.00	-5.00	-10.00	-15.00
453937	70.0278	161.2794	7.	47.0	3.	1.66	-5.00	5.00	-5.00	29.00	-20.00	24.00	11.00	31.00	-15.00
453940	70.1506	161.2744	8.	50.0	3.	2.40	-5.00	5.00	-5.00	16.00	-20.00	18.00	7.00	-10.00	-15.00
453943	70.0603	161.1761	8.	61.0	6.	1.74	-5.00	-5.00	-5.00	19.00	-20.00	21.00	-5.00	-10.00	-15.00
453946	70.0553	161.0525	8.	45.0	6.	2.31	-5.00	7.00	-5.00	13.00	-20.00	-15.00	-5.00	-10.00	-15.00
453982	70.0228	160.9219	6.	34.0	4.	2.29	-5.00	-5.00	-5.00	16.00	-20.00	29.00	8.00	-10.00	-15.00
453983	70.0256	160.7750	7.	31.0	10.	2.33	-5.00	5.00	-5.00	28.00	-20.00	32.00	-5.00	-10.00	-15.00
453984	70.0278	160.7894	7.	39.0	12.	2.34	-5.00	-5.00	-5.00	17.00	-20.00	44.00	7.00	-10.00	-15.00
453986	70.0586	160.6833	7.	95.0	6.	2.07	-5.00	5.00	-5.00	23.00	-20.00	25.00	5.00	-10.00	-15.00
453988	70.0114	160.5400	7.	114.0	-9999.	2.12	-5.00	6.00	-5.00	29.00	-20.00	26.00	7.00	-10.00	-15.00
453989	70.0147	160.5411	7.	87.0	-9999.	2.38	-5.00	-5.00	-5.00	24.00	-20.00	22.00	8.00	-10.00	-15.00
454043	70.0161	159.7153	7.	32.0	4.	1.67	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454045	70.0319	159.9347	7.	20.0	-9999.	2.14	-5.00	-5.00	-5.00	10.00	-20.00	22.00	6.00	-10.00	-15.00
454048	70.0178	160.2628	7.	53.0	4.	2.64	-5.00	5.00	-5.00	16.00	-20.00	30.00	13.00	-10.00	-15.00

WAINWRIGHT STREAM SEDIMENT — PG. TWO — SAMPLE SET 1

SAMPLE NO.	AS PPM	SE PPM	ZR PPM	MO PPM	BE PPM	LI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM
453841	6.00	-5.00	200.00	-9999.00	-9999.00	-9999.00	24250.00	-.04	307.00	2213.00	40.00	-45.00	5.90
453922	5.00	-5.00	23.00	-9999.00	-9999.00	-9999.00	5980.00	-.14	425.00	9059.00	-11.00	59.00	15.90
453930	14.00	-5.00	215.00	-9999.00	-9999.00	-9999.00	38830.00	-.06	539.00	3584.00	49.00	-88.00	12.30
453934	16.00	-5.00	352.00	-9999.00	-9999.00	-9999.00	46440.00	.24	503.00	9502.00	66.00	-89.00	12.00
453935	7.00	-5.00	259.00	-9999.00	-9999.00	-9999.00	24560.00	-.04	357.00	3351.00	49.00	-51.00	7.50
453937	13.00	-5.00	109.00	-9999.00	-9999.00	-9999.00	25880.00	-.05	553.00	4798.00	44.00	-65.00	11.70
453940	10.00	-5.00	351.00	-9999.00	-9999.00	-9999.00	38590.00	-.06	451.00	1301.00	61.00	-86.00	11.60
453943	7.00	-5.00	192.00	-9999.00	-9999.00	-9999.00	33890.00	-.06	391.00	2393.00	48.00	-62.00	6.90
453946	35.00	-5.00	216.00	-9999.00	-9999.00	-9999.00	37750.00	-.08	449.00	3377.00	56.00	-70.00	14.30
453982	6.00	-5.00	303.00	-9999.00	-9999.00	-9999.00	39790.00	-.07	397.00	3900.00	60.00	-73.00	11.90
453983	13.00	-5.00	233.00	-9999.00	-9999.00	-9999.00	46430.00	-.08	430.00	3816.00	57.00	-71.00	12.60
453984	9.00	-5.00	242.00	-9999.00	-9999.00	-9999.00	43610.00	-.06	512.00	4700.00	49.00	-74.00	10.90
453986	12.00	-5.00	258.00	-9999.00	-9999.00	-9999.00	28920.00	-.06	364.00	4853.00	59.00	-81.00	17.10
453988	13.00	-5.00	206.00	-9999.00	-9999.00	-9999.00	39210.00	-.05	486.00	202>0.00	47.00	-69.00	10.30
453989	10.00	-5.00	306.00	-9999.00	-9999.00	-9999.00	37760.00	-.06	436.00	5138.00	59.00	-78.00	12.60
454043	17.00	-5.00	152.00	-9999.00	-9999.00	-9999.00	31500.00	-.06	327.00	3257.00	34.00	-70.00	7.10
454045	9.00	-5.00	145.00	-9999.00	-9999.00	-9999.00	43270.00	-.09	416.00	-762.00	52.00	-84.00	9.90
454048	6.00	-5.00	195.00	-9999.00	-9999.00	-9999.00	51880.00	-.08	508.00	5686.00	72.00	-81.00	16.20

MAINWRIGHT STREAM SEDIMENT — PG. THREE — SAMPLE SET 1

SAMPLE NO.	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HF PPM	W PPM	LA PPM	LU PPM	MG PPM	MN PPM	NA PPM	ND PPM
453841	535.00	1.40	3.00	.70	19430.00	8.40	9024.00	20.00	.30	2179.00	109.00	5626.00	-16.00
453922	-17.00	-2.70	-2.00	-.50	21090.00	-1.90	-6770.00	-12.00	-.20	-2571.00	691.00	920.00	-13.00
453930	141.00	-1.30	4.00	.80	24140.00	7.80	10520.00	21.00	.20	4439.00	509.00	9980.00	-23.00
453934	495.00	-1.50	5.00	1.20	28520.00	12.00	11280.00	31.00	.30	8303.00	476.00	8946.00	-29.00
453935	887.00	-.80	3.00	.80	16580.00	10.40	6838.00	22.00	.20	2570.00	274.00	5229.00	31.00
453937	97.00	2.00	3.00	.70	27110.00	3.30	7119.00	15.00	.20	3029.00	912.00	5223.00	-22.00
453940	366.00	-1.40	4.00	1.00	29740.00	11.40	9302.00	22.00	.30	2221.00	265.00	9043.00	-27.00
453943	160.00	2.10	3.00	.80	19870.00	7.50	5279.00	19.00	.20	2084.00	103.00	8679.00	-25.00
453946	121.00	-1.70	4.00	1.10	44520.00	7.90	8227.00	23.00	.30	3000.00	208.00	9153.00	-33.00
453982	189.00	2.10	5.00	1.10	21630.00	9.80	6372.00	25.00	.30	3576.00	213.00	10530.00	-24.00
453983	122.00	-1.60	4.00	.90	26510.00	6.60	7649.00	26.00	.30	5163.00	276.00	10560.00	-31.00
453984	130.00	2.20	5.00	1.10	21670.00	7.50	8982.00	24.00	.30	4877.00	272.00	10500.00	-23.00
453986	368.00	2.20	3.00	.80	30670.00	6.30	9260.00	20.00	.30	2991.00	1307.00	7190.00	-26.00
453988	160.00	2.30	4.00	.90	24190.00	6.20	8902.00	21.00	.30	10360.00	415.00	9831.00	38.00
453989	453.00	-1.20	3.00	1.00	22000.00	9.80	6710.00	24.00	.30	2312.00	895.00	9496.00	-22.00
454043	142.00	-1.20	3.00	.90	28150.00	7.40	5828.00	16.00	.30	2148.00	122.00	8826.00	-25.00
454045	87.00	-1.80	3.00	.80	29540.00	5.50	8155.00	21.00	.20	-1634.00	260.00	9106.00	-35.00
454048	143.00	3.70	5.00	1.10	31430.00	8.10	10780.00	27.00	.30	5548.00	422.00	10330.00	-30.00

MAINWRIGHT STREAM SEDIMENT — PG. FOUR — SAMPLE SET 1

SAMPLE NO.	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	TH/U RATIO
453841	-1.00	4.60	3.20	-111.00	-1.00	-9999.00	4.00	2734.00	51.00	2.10	-14.00	2.61100
453922	-3.00	1.60	-1.00	-498.00	-3.00	-1.00	-2.10	-9999.00	-13.00	-2.60	-117.00	0.00000
453930	-2.00	7.60	2.10	-210.00	-1.00	-9999.00	4.80	3590.00	75.00	-1.00	-34.00	2.29900
453934	-2.00	10.40	4.10	-215.00	-1.00	-9999.00	6.50	4183.00	96.00	2.90	-42.00	2.39200
453935	-1.00	4.80	3.30	-144.00	-1.00	-9999.00	4.30	3078.00	53.00	2.30	53.00	2.51300
453937	-2.00	5.20	3.10	-218.00	-1.00	-9999.00	4.10	1658.00	54.00	2.90	65.00	2.46900
453940	-2.00	6.70	4.20	-146.00	-1.00	-1.00	6.70	3767.00	70.00	2.60	69.00	2.79300
453943	-2.00	6.50	2.80	-129.00	-1.00	-9999.00	4.70	3238.00	59.00	2.40	70.00	2.70300
453946	-2.00	7.50	4.00	-177.00	-2.00	-9999.00	7.10	3378.00	74.00	2.90	-64.00	3.07700
453982	-2.00	7.60	4.60	-175.00	-1.00	-9999.00	7.40	3970.00	73.00	3.30	115.00	3.23600
453983	-2.00	9.60	3.50	-182.00	-1.00	-1.00	6.40	3546.00	93.00	2.70	-47.00	2.74700
453984	-2.00	9.40	3.70	-161.00	-1.00	-9999.00	6.90	4373.00	82.00	3.40	73.00	2.95000
453986	-2.00	6.30	3.30	-316.00	-1.00	-9999.00	5.60	2477.00	95.00	2.50	127.00	2.70300
453988	-1.00	7.90	4.30	-164.00	-1.00	-9999.00	6.80	3596.00	84.00	2.90	-72.00	3.20500
453989	-2.00	6.90	4.60	-264.00	-1.00	-1.00	7.10	3155.00	69.00	2.80	76.00	2.98500
454043	-2.00	5.50	3.00	-139.00	-1.00	-9999.00	5.20	2800.00	49.00	2.20	157.00	3.11500
454045	-2.00	9.30	2.80	-208.00	-1.00	-1.00	5.50	3038.00	81.00	-1.90	-51.00	2.57100
454048	-2.00	9.40	5.40	-225.00	-1.00	-9999.00	7.90	3872.00	90.00	3.60	-120.00	2.99400

Appendix B. Lake Sediment Data

Appendix B. Lake Sediment Data

WAINWRIGHT LAKE SEDIMENT — PG. ONE - SAMPLE SET 3

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	MOLYBDENUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
453801	70.2697	161.0936	5.	27.0	-9999.	1.13	-5.00	-5.00	-5.00	14.00	-20.00	-15.00	9.00	-10.00	-15.00
453802	70.2853	161.0033	5.	50.0	-9999.	1.17	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453803	70.3111	160.9344	5.	52.0	-9999.	.91	-5.00	-5.00	-5.00	12.00	-20.00	-15.00	-5.00	-10.00	-15.00
453804	70.3242	160.8708	5.	70.0	-9999.	1.39	-5.00	-5.00	-5.00	11.00	-20.00	-15.00	-5.00	-10.00	-15.00
453805	70.3242	160.6919	6.	46.0	-9999.	1.82	-5.00	-5.00	-5.00	12.00	-20.00	-15.00	-5.00	-10.00	-15.00
453806	70.3553	160.6642	6.	15.0	-9999.	1.21	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453807	70.3658	160.5672	6.	35.0	-9999.	1.09	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453808	70.4047	160.5508	6.	21.0	-9999.	1.25	-5.00	-5.00	-5.00	14.00	-20.00	-15.00	8.00	-10.00	-15.00
453809	70.4139	160.4722	6.	21.0	-9999.	1.41	-5.00	-5.00	-5.00	10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453810	70.4483	160.4544	6.	57.0	-9999.	.90	-5.00	-5.00	-5.00	10.00	-20.00	30.00	-5.00	-10.00	-15.00
453811	70.4622	160.3442	6.	46.0	-9999.	1.99	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453812	70.4933	160.3003	6.	32.0	-9999.	.53	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453813	70.4978	160.1875	6.	46.0	-9999.	1.30	-5.00	-5.00	-5.00	17.00	-20.00	19.00	6.00	-10.00	-15.00
453814	70.5414	160.1725	6.	725.0	-9999.	1.37	-5.00	-5.00	-5.00	17.00	-20.00	-15.00	-5.00	-10.00	-15.00
453815	70.5353	160.0992	7.	96.0	-9999.	2.02	-5.00	-5.00	-5.00	11.00	-20.00	26.00	6.00	-10.00	-15.00
453816	70.6303	159.8903	7.	12.0	-9999.	.88	-5.00	-5.00	-5.00	12.00	-20.00	-15.00	-5.00	-10.00	-15.00
453817	70.6656	159.9067	7.	82.0	-9999.	1.20	-5.00	5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453818	70.6656	159.7894	7.	50.0	-9999.	1.14	-5.00	-5.00	-5.00	19.00	-20.00	-15.00	-5.00	-10.00	-15.00
453819	70.7169	159.7708	7.	55.0	-9999.	1.59	-5.00	-5.00	-5.00	-10.00	-20.00	15.00	5.00	-10.00	-15.00
453820	70.7136	159.6661	7.	116.0	-9999.	2.02	-5.00	-5.00	-5.00	19.00	-20.00	25.00	9.00	-10.00	-15.00
453821	70.7467	159.6736	7.	58.0	-9999.	1.93	-5.00	-5.00	-5.00	13.00	-20.00	-15.00	9.00	-10.00	-15.00
453822	70.7506	159.5817	7.	58.0	-9999.	1.43	-5.00	-5.00	-5.00	13.00	-20.00	-15.00	-5.00	-10.00	-15.00
453823	70.7858	159.5806	7.	79.0	-9999.	2.57	-5.00	-5.00	-5.00	18.00	-20.00	30.00	16.00	-10.00	-15.00
453824	70.8003	159.4592	7.	33.0	-9999.	2.56	-5.00	-5.00	-5.00	31.00	-20.00	27.00	10.00	-10.00	-15.00
453825	70.8256	159.3803	7.	99.0	-9999.	1.01	-5.00	-5.00	-5.00	11.00	-20.00	17.00	-5.00	-10.00	-15.00
453826	70.8275	159.2961	7.	131.0	-9999.	.49	-5.00	-5.00	-5.00	-10.00	-20.00	17.00	-5.00	-10.00	-15.00
453827	70.8278	159.1461	6.	300.0	-9999.	.98	-5.00	-5.00	-5.00	11.00	-20.00	-15.00	-5.00	-10.00	-15.00
453828	70.8086	159.3158	7.	71.0	-9999.	1.33	-5.00	-5.00	-5.00	14.00	-20.00	-15.00	-5.00	-10.00	-15.00
453829	70.7981	159.4067	7.	102.0	-9999.	1.71	-5.00	-5.00	-5.00	21.00	-20.00	20.00	17.00	-10.00	-15.00
453830	70.7639	159.3175	7.	205.0	-9999.	1.92	-5.00	-5.00	-5.00	28.00	-20.00	19.00	8.00	-10.00	-15.00
453831	70.7539	159.1331	7.	67.0	-9999.	.81	-5.00	-5.00	-5.00	12.00	-20.00	18.00	-5.00	-10.00	-15.00
453832	70.7489	159.0697	6.	435.0	-9999.	2.02	-5.00	-5.00	-5.00	27.00	-20.00	15.00	6.00	-10.00	-15.00
453833	70.5425	159.7067	6.	66.0	-9999.	.71	-5.00	-5.00	-5.00	-10.00	-20.00	15.00	-5.00	-10.00	-15.00
453834	70.5750	159.6842	6.	82.0	-9999.	1.70	-5.00	-5.00	-5.00	14.00	-20.00	15.00	-5.00	-10.00	-15.00
453835	70.6164	159.6797	6.	85.0	-9999.	1.73	-5.00	-5.00	-5.00	10.00	-20.00	-15.00	8.00	-10.00	-15.00
453836	70.6508	159.5606	5.	127.0	-9999.	2.19	-5.00	-5.00	-5.00	-10.00	-20.00	17.00	-5.00	-10.00	-15.00
453837	70.6647	159.4289	6.	72.0	-9999.	1.49	-5.00	-5.00	-5.00	11.00	-20.00	-15.00	-5.00	-10.00	-15.00
453838	70.6617	159.3200	6.	124.0	-9999.	2.12	-5.00	-5.00	-5.00	12.00	-20.00	-15.00	5.00	-10.00	-15.00
453839	70.6711	159.2036	7.	90.0	-9999.	1.63	-5.00	-5.00	-5.00	22.00	-20.00	-15.00	12.00	-10.00	-15.00
453840	70.6719	159.0928	6.	87.0	-9999.	.54	-5.00	-5.00	-5.00	17.00	-20.00	33.00	-5.00	-10.00	-15.00
453842	70.2353	160.9656	6.	199.0	-9999.	2.11	-5.00	-5.00	-5.00	19.00	-20.00	22.00	-5.00	-10.00	-15.00
453843	70.2781	160.7642	6.	15.0	-9999.	.90	-5.00	-5.00	-5.00	10.00	-20.00	-15.00	7.00	-10.00	-15.00
453844	70.2747	160.6547	6.	10.0	-9999.	.68	-5.00	-5.00	-5.00	-10.00	-20.00	22.00	-5.00	-10.00	-15.00
453845	70.3089	160.5714	6.	5.0	-9999.	.98	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453846	70.3667	160.4447	6.	25.0	-9999.	1.41	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453847	70.4003	160.2806	6.	30.0	-9999.	1.63	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453848	70.4519	160.1542	7.	31.0	-9999.	1.17	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453849	70.4817	160.1306	6.	400.0	-9999.	1.09	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453850	70.5294	159.9275	6.	962.0	-9999.	2.43	-5.00	-5.00	-5.00	-10.00	-20.00	19.00	-5.00	-10.00	-15.00
453851	70.5792	159.7875	7.	955.0	-9999.	1.78	-5.00	-5.00	5.00	51.00	-20.00	122.00	-5.00	45.00	-15.00

WAINWRIGHT LAKE SEDIMENT — PG. TWO — SAMPLE SET 3

SAMPLE NO.	AS PPM	SE PPM	ZR PPM	MN PPM	BE PPM	LI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CR PPM
453801	-5.00	-5.00	50.00	-9999.00	-9999.00	-9999.00	22070.00	-.06	391.00	-537.00	25.00	189.00	4.90
453802	5.00	-5.00	224.00	-9999.00	-9999.00	-9999.00	14140.00	-.03	293.00	-283.00	32.00	-33.00	7.10
453803	-5.00	-5.00	75.00	-9999.00	-9999.00	-9999.00	18130.00	-.10	314.00	-812.00	36.00	295.00	4.50
453804	6.00	-5.00	90.00	-9999.00	-9999.00	-9999.00	28440.00	-.10	493.00	-766.00	43.00	390.00	12.40
453805	10.00	-5.00	237.00	-9999.00	-9999.00	-9999.00	22160.00	-.04	300.00	2665.00	44.00	95.00	3.40
453806	-5.00	-5.00	91.00	-9999.00	-9999.00	-9999.00	17920.00	-.07	375.00	-530.00	26.00	247.00	5.70
453807	-5.00	-5.00	92.00	-9999.00	-9999.00	-9999.00	18110.00	-.04	315.00	2126.00	38.00	-38.00	3.40
453808	-5.00	-5.00	200.00	-9999.00	-9999.00	-9999.00	19030.00	-.04	309.00	2340.00	33.00	-44.00	4.30
453809	9.00	-5.00	101.00	-9999.00	-9999.00	-9999.00	25410.00	-.09	457.00	-714.00	28.00	287.00	4.10
453810	16.00	-5.00	32.00	-9999.00	-9999.00	-9999.00	12690.00	-.11	285.00	-914.00	25.00	848.00	7.20
453811	-5.00	-5.00	425.00	-9999.00	-9999.00	-9999.00	19200.00	-.04	317.00	3154.00	58.00	-39.00	5.50
453812	-5.00	-5.00	48.00	-9999.00	-9999.00	-9999.00	10340.00	-.07	348.00	8285.00	-5.00	609.00	-1.00
453813	9.00	-5.00	44.00	-9999.00	-9999.00	-9999.00	19730.00	-.14	336.00	-1537.00	-9.00	482.00	5.90
453814	-5.00	-5.00	119.00	-9999.00	-9999.00	-9999.00	28290.00	-.06	219.00	-563.00	32.00	309.00	4.10
453815	9.00	-5.00	270.00	-9999.00	-9999.00	-9999.00	27800.00	-.05	340.00	7483.00	51.00	-49.00	7.90
453816	-5.00	-5.00	45.00	-9999.00	-9999.00	-9999.00	15660.00	-.13	-159.00	-1029.00	-10.00	460.00	-2.00
453817	-5.00	-5.00	138.00	-9999.00	-9999.00	-9999.00	21470.00	-.03	298.00	2262.00	29.00	-46.00	3.10
453818	-5.00	-5.00	49.00	-9999.00	-9999.00	-9999.00	22070.00	-.12	347.00	-1351.00	26.00	618.00	7.10
453819	7.00	-5.00	117.00	-9999.00	-9999.00	-9999.00	27870.00	-.07	399.00	2573.00	39.00	189.00	5.30
453820	6.00	-5.00	94.00	-9999.00	-9999.00	-9999.00	41810.00	-.14	615.00	6808.00	58.00	275.00	8.10
453821	-5.00	-5.00	252.00	-9999.00	-9999.00	-9999.00	27640.00	-.05	322.00	4624.00	40.00	-53.00	6.90
453822	15.00	-5.00	42.00	-9999.00	-9999.00	-9999.00	28530.00	-.13	393.00	-1554.00	44.00	1205.00	7.50
453823	19.00	-5.00	140.00	-9999.00	-9999.00	-9999.00	49110.00	-.12	772.00	5812.00	81.00	188.00	12.80
453824	24.00	-5.00	70.00	-9999.00	-9999.00	-9999.00	56760.00	-.15	718.00	-1142.00	42.00	332.00	13.30
453825	13.00	-5.00	50.00	-9999.00	-9999.00	-9999.00	16640.00	-.09	318.00	-877.00	23.00	1034.00	3.60
453826	20.00	-5.00	27.00	-9999.00	-9999.00	-9999.00	8776.00	-.10	-112.00	-1093.00	-6.00	1685.00	7.70
453827	13.00	-5.00	60.00	-9999.00	-9999.00	-9999.00	17970.00	-.11	381.00	-940.00	20.00	2178.00	5.20
453828	15.00	-5.00	59.00	-9999.00	-9999.00	-9999.00	23540.00	-.10	386.00	4996.00	38.00	872.00	-1.80
453829	52.00	-5.00	60.00	-9999.00	-9999.00	-9999.00	26400.00	-.11	464.00	9834.00	40.00	406.00	10.00
453830	15.00	-5.00	58.00	-9999.00	-9999.00	-9999.00	52050.00	-.16	687.00	-1231.00	50.00	772.00	8.80
453831	16.00	-5.00	31.00	-9999.00	-9999.00	-9999.00	15100.00	-.11	209.00	-701.00	27.00	910.00	6.40
453832	5.00	-5.00	113.00	-9999.00	-9999.00	-9999.00	42560.00	-.10	590.00	-1005.00	44.00	662.00	8.90
453833	8.00	-5.00	43.00	-9999.00	-9999.00	-9999.00	14050.00	-.09	238.00	-870.00	16.00	599.00	-1.40
453834	12.00	-5.00	130.00	-9999.00	-9999.00	-9999.00	28200.00	-.08	320.00	5467.00	50.00	191.00	7.60
453835	13.00	-5.00	118.00	-9999.00	-9999.00	-9999.00	33920.00	-.07	469.00	3795.00	41.00	184.00	4.50
453836	6.00	-5.00	433.00	-9999.00	-9999.00	-9999.00	22960.00	-.05	299.00	3272.00	48.00	87.00	5.40
453837	8.00	-5.00	204.00	-9999.00	-9999.00	-9999.00	23150.00	-.06	365.00	3862.00	31.00	296.00	4.70
453838	-5.00	-5.00	218.00	-9999.00	-9999.00	-9999.00	24810.00	-.04	375.00	2786.00	38.00	-47.00	6.90
453839	16.00	-5.00	42.00	-9999.00	-9999.00	-9999.00	15970.00	-.15	551.00	16690.00	41.00	392.00	7.90
453840	8.00	-5.00	25.00	-9999.00	-9999.00	-9999.00	9571.00	-.14	-120.00	-2174.00	-9.00	858.00	-7.40
453842	16.00	-5.00	140.00	-9999.00	-9999.00	-9999.00	44920.00	-.09	475.00	-761.00	55.00	192.00	8.50
453843	-5.00	-5.00	43.00	-9999.00	-9999.00	-9999.00	15590.00	-.04	386.00	1114.00	26.00	117.00	4.10
453844	8.00	-5.00	32.00	-9999.00	-9999.00	-9999.00	13350.00	-.09	283.00	-932.00	13.00	1749.00	4.60
453845	-5.00	-5.00	65.00	-9999.00	-9999.00	-9999.00	14220.00	-.07	162.00	-801.00	26.00	2784.00	-1.70
453846	8.00	-5.00	51.00	-9999.00	-9999.00	-9999.00	20870.00	-.11	660.00	3817.00	31.00	381.00	-1.70
453847	17.00	-5.00	75.00	-9999.00	-9999.00	-9999.00	18430.00	-.11	530.00	7315.00	32.00	246.00	8.30
453848	8.00	-5.00	177.00	-9999.00	-9999.00	-9999.00	17220.00	-.03	292.00	2078.00	37.00	-42.00	3.40
453849	-5.00	-5.00	105.00	-9999.00	-9999.00	-9999.00	17080.00	-.03	295.00	-392.00	31.00	120.00	3.10
453850	-5.00	-5.00	36.00	-9999.00	-9999.00	-9999.00	3340.00	-.06	-99.00	13630.00	7.00	5515.00	7.50
453851	85.00	-5.00	47.00	-9999.00	-9999.00	-9999.00	19490.00	-.11	511.00	-1595.00	95.00	2092.00	40.20

WAINWRIGHT LAKE SEDIMENT — PG. THREE - SAMPLE SET -1

SAMPLE NO.	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HF PPM	K PPM	LA PPM	LU PPM	MG PPM	MN PPM	NA PPM	PP PPM
453801	61.00	-1.10	2.00	.60	19190.00	1.60	-2013.00	10.00	.20	-1127.00	127.00	4394.00	-23.00
453802	732.00	-.70	2.00	.60	12140.00	7.70	2283.00	17.00	.20	-607.00	127.00	2957.00	-15.00
453803	77.00	-1.90	1.00	.70	22560.00	2.10	5336.00	-6.00	.20	-1282.00	150.00	3795.00	-39.00
453804	293.00	-1.90	2.00	-.30	37950.00	4.00	-3304.00	-9.00	-.10	-1516.00	261.00	3705.00	-41.00
453805	649.00	-.80	3.00	.70	8615.00	10.70	4937.00	22.00	.20	-982.00	111.00	6496.00	-14.00
453806	87.00	-1.30	2.00	.90	18820.00	2.60	-1878.00	-4.00	.10	-1083.00	88.00	3925.00	-30.00
453807	267.00	-.70	2.00	.60	8778.00	4.40	4920.00	13.00	.20	1650.00	83.00	5043.00	-12.00
453808	471.00	-.70	2.00	.50	13520.00	7.50	4711.00	15.00	.10	1570.00	89.00	5213.00	-14.00
453809	86.00	-1.50	3.00	.86	19690.00	3.80	-2520.00	-7.00	.20	-1576.00	73.00	6410.00	-33.00
453810	29.00	-2.00	2.00	-.30	37260.00	-1.30	-2152.00	-8.00	-.10	-1176.00	70.00	3622.00	-48.00
453811	1319.00	-.80	3.00	.90	11210.00	19.10	2951.00	22.00	.30	2509.00	133.00	5428.00	-14.00
453812	66.00	-1.30	-1.00	-.30	13170.00	-1.00	-1956.00	-6.00	-.10	1862.00	58.00	1870.00	-32.00
453813	43.00	-2.70	2.00	-.50	22590.00	-1.80	-3117.00	-14.00	-.20	-1548.00	61.00	2011.00	-57.00
453814	166.00	-1.10	2.00	.70	12960.00	5.20	5123.00	15.00	.20	2637.00	116.00	6116.00	-23.00
453815	407.00	-1.00	3.00	.90	17260.00	12.10	5737.00	17.00	.30	3825.00	253.00	6693.00	-17.00
453816	-16.00	-2.60	-1.00	-.50	23770.00	-1.80	-3644.00	-13.00	-.20	-1981.00	169.00	2077.00	-59.00
453817	115.00	-.70	2.00	.60	9250.00	6.10	4257.00	13.00	.10	-910.00	71.00	7228.00	26.00
453818	55.00	-2.30	2.00	-.30	17930.00	-1.40	-2511.00	-11.00	.30	-1368.00	98.00	2214.00	-46.00
453819	136.00	-1.30	3.00	.70	15630.00	5.30	7183.00	13.00	.20	2355.00	80.00	5862.00	-23.00
453820	84.00	-2.80	4.00	.50	25130.00	4.70	11520.00	-11.00	-.20	6416.00	213.00	4030.00	-55.00
453821	261.00	-.90	3.00	.90	14310.00	12.60	6529.00	20.00	.30	2372.00	139.00	7500.00	-16.00
453822	47.00	-2.60	3.00	-.40	28120.00	-1.70	-2999.00	-12.00	-.20	-1562.00	97.00	1865.00	-56.00
453823	145.00	3.90	5.00	1.30	46630.00	6.60	12020.00	33.00	.30	6647.00	305.00	5405.00	-43.00
453824	105.00	-2.90	5.00	.80	39030.00	-1.80	11610.00	-8.00	-.20	5780.00	176.00	3244.00	-50.00
453825	47.00	-1.70	2.00	-.30	18340.00	-1.20	-2473.00	-7.00	-.10	-1407.00	68.00	2527.00	-33.00
453826	28.00	-1.70	-1.00	-.30	23330.00	-1.20	-2306.00	-9.00	-.10	-1278.00	75.00	1439.00	-45.00
453827	52.00	-2.00	2.00	.70	16690.00	-1.30	-2383.00	-8.00	-.10	3297.00	92.00	3021.00	-40.00
453828	61.00	-2.10	3.00	.50	22080.00	-1.40	5016.00	-9.00	-.10	2946.00	96.00	3649.00	-42.00
453829	72.00	-2.20	4.00	1.10	95050.00	2.60	-3121.00	-7.00	.30	4292.00	313.00	2625.00	-53.00
453830	83.00	-3.10	4.00	1.10	42850.00	-1.70	11310.00	-12.00	.50	5120.00	108.00	2734.00	-55.00
453831	36.00	-1.90	2.00	.50	27020.00	-1.30	-2075.00	-7.00	-.10	2077.00	89.00	1615.00	-39.00
453832	114.00	-1.90	4.00	1.00	22510.00	4.40	8588.00	19.00	.20	5922.00	155.00	7270.00	-24.00
453833	40.00	-1.50	1.00	-.30	17600.00	-1.00	-2269.00	-8.00	-.10	-1466.00	56.00	2857.00	-36.00
453834	148.00	-1.60	3.00	.90	26520.00	6.40	-2154.00	17.00	.20	-1268.00	148.00	5581.00	-24.00
453835	99.00	2.60	3.00	.80	26220.00	5.10	7171.00	18.00	.20	3096.00	128.00	6421.00	-27.00
453836	503.00	-1.00	3.00	.80	14010.00	22.60	4066.00	16.00	.30	1596.00	114.00	6894.00	-19.00
453837	156.00	-1.00	3.00	.60	9778.00	5.90	-1897.00	-4.00	.20	2733.00	85.00	5741.00	-20.00
453838	258.00	-.80	2.00	.80	9503.00	10.10	4568.00	20.00	.30	-887.00	84.00	7662.00	-15.00
453839	53.00	-2.90	4.00	.90	42260.00	-1.90	-3395.00	-11.00	-.20	2899.00	259.00	1621.00	-59.00
453840	-15.00	-2.40	-1.00	-.40	8647.00	-1.60	-2651.00	-11.00	-.20	-1436.00	40.00	901.00	-49.00
453842	120.00	2.70	4.00	1.00	60940.00	7.50	8176.00	25.00	.30	4210.00	172.00	8578.00	-42.00
453843	97.00	-.70	1.00	.40	16510.00	1.60	4587.00	9.00	-9999.00	-712.00	99.00	3384.00	-14.00
453844	-11.00	-1.70	2.00	-.30	18280.00	-1.20	-2661.00	-8.00	-.10	-1416.00	78.00	1718.00	-39.00
453845	201.00	-1.40	1.00	.30	5985.00	2.80	-1818.00	-6.00	.20	-1227.00	41.00	3719.00	-30.00
453846	109.00	-2.10	3.00	.80	16060.00	-1.30	-2330.00	-9.00	.20	-1752.00	80.00	2771.00	-39.00
453847	89.00	-2.40	3.00	.70	45390.00	-1.50	-3257.00	-9.00	-.10	-1527.00	200.00	2714.00	-50.00
453848	280.00	-.70	2.00	.60	14170.00	6.60	5116.00	16.00	.10	-819.00	66.00	5427.00	-15.00
453849	199.00	-.70	1.00	.80	14600.00	5.20	3873.00	17.00	.10	-683.00	70.00	4165.00	-16.00
453850	12.00	-1.10	-1.00	-.20	18260.00	-.80	-2341.00	-4.00	-.10	10170.00	176.00	8913.00	-24.00
453851	66.00	-2.40	3.00	.90	306200.00	-1.40	-6430.00	-4.00	.30	2670.00	2973.00	3372.00	-57.00

WAINWRIGHT LAKE SEDIMENT

PG. FOUR - SAMPLE SET 1

SAMPLE NO.	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	U PPM	YB PPM	ZN PPM	TH/U RATIO
453801	-2.00	4.10	-.40	-192.00	-1.00	-9999.00	2.40	1379.00	41.00	-.90	-34.00	2.12300
453802	-1.00	2.70	1.90	-86.00	-1.00	-9999.00	2.50	2069.00	37.00	1.20	-42.00	2.13700
453803	-3.00	3.70	1.80	-178.00	-2.00	-1.00	3.30	1269.00	36.00	-1.90	-42.00	3.62300
453804	-3.00	6.80	1.90	-223.00	-2.00	-1.00	4.20	2170.00	53.00	-1.80	-67.00	3.02100
453805	-1.00	4.20	3.10	-120.00	-1.00	-9999.00	4.20	3096.00	47.00	1.10	-67.00	2.30900
453806	-2.00	5.00	2.40	-132.00	-2.00	-9999.00	4.00	1645.00	45.00	-1.20	-42.00	3.30000
453807	-1.00	3.20	2.90	-77.00	-1.00	-9999.00	3.00	2298.00	36.00	-.70	-21.00	2.75500
453808	-1.00	3.60	2.30	-88.00	-1.00	-9999.00	2.50	2374.00	41.00	1.20	-19.00	2.00000
453809	-2.00	4.70	-.60	-192.00	-2.00	-9999.00	3.20	1991.00	48.00	-1.50	-52.00	2.26800
453810	-3.00	4.50	2.60	-160.00	-3.00	-1.00	3.10	-9999.00	36.00	-2.00	-71.00	3.44800
453811	-1.00	3.70	4.00	-86.00	-1.00	-9999.00	4.80	3673.00	43.00	2.70	40.00	2.41000
453812	-2.00	1.90	-.60	-147.00	-2.00	-9999.00	-1.00	938.00	19.00	-1.40	-19.00	0.00000
453813	-4.00	5.30	-1.00	-241.00	-4.00	-1.00	-1.90	852.00	50.00	-2.40	-88.00	0.00000
453814	-2.00	5.30	2.90	-133.00	-1.00	-9999.00	4.10	2273.00	52.00	1.80	-98.00	2.99400
453815	-1.00	5.60	3.70	-116.00	-1.00	-9999.00	5.20	3159.00	58.00	2.50	104.00	2.57700
453816	-4.00	3.30	-1.10	-272.00	-3.00	-1.00	-1.90	1363.00	34.00	-2.60	-90.00	0.00000
453817	-1.00	3.20	1.60	-102.00	-9999.00	-9999.00	3.20	2096.00	37.00	1.80	29.00	2.66700
453818	-3.00	5.80	2.20	-194.00	-3.00	-1.00	3.50	961.00	56.00	-2.10	-91.00	3.08700
453819	-2.00	5.30	3.20	-110.00	-1.00	-9999.00	4.70	2359.00	59.00	-1.20	-36.00	2.95900
453820	-4.00	11.50	3.00	-266.00	-3.00	-1.00	5.60	2711.00	107.00	-2.50	-69.00	2.77000
453821	-1.00	5.30	3.30	-132.00	-1.00	-9999.00	5.40	3006.00	55.00	2.60	29.00	2.90100
453822	-4.00	7.90	4.00	-208.00	-3.00	-1.00	5.50	-9999.00	69.00	-2.40	-75.00	3.94600
453823	-3.00	11.50	5.80	-198.00	-2.00	-1.00	8.10	3347.00	116.00	-2.10	-79.00	3.19500
453824	-4.00	15.00	4.10	-241.00	-3.00	-1.00	9.90	3742.00	149.00	-2.70	-91.00	3.86100
453825	-2.00	4.00	-.70	-188.00	-2.00	-1.00	4.00	969.00	46.00	-1.70	-62.00	3.95300
453826	-2.00	2.30	-.70	-188.00	-2.00	-1.00	-1.40	-9999.00	21.00	-1.90	-70.00	0.00000
453827	-3.00	4.50	2.00	-176.00	-2.00	-1.00	2.10	1053.00	49.00	-2.10	-51.00	2.14100
453828	-3.00	5.70	2.00	-198.00	-3.00	-1.00	-1.60	1373.00	56.00	-2.00	120.00	0.00000
453829	-3.00	7.10	4.10	-258.00	-2.00	-1.00	5.90	2051.00	123.00	-1.80	-74.00	3.44500
453830	-4.00	12.50	4.10	-226.00	-3.00	-1.00	7.70	1780.00	119.00	-2.60	-12.00	4.01800
453831	-3.00	3.90	-2.80	-145.00	-2.00	-1.00	2.40	757.00	40.00	-1.90	150.00	2.95900
453832	-3.00	9.50	2.80	-190.00	-1.00	-1.00	6.90	3041.00	98.00	-2.20	-58.00	3.41300
453833	-2.00	2.40	-.60	-181.00	-2.00	-9999.00	1.90	-9999.00	29.00	-1.50	-45.00	2.67400
453834	-2.00	6.00	3.80	-156.00	-2.00	-9999.00	4.70	1850.00	63.00	2.00	-46.00	2.76200
453835	-2.00	6.60	3.50	-124.00	-1.00	-9999.00	4.90	2498.00	72.00	3.00	-33.00	2.83300
453836	-1.00	4.80	3.60	-117.00	-1.00	-9999.00	3.80	3447.00	45.00	3.00	-29.00	1.73600
453837	-2.00	4.10	2.10	-143.00	-1.00	-9999.00	4.00	2286.00	44.00	-.90	-30.00	2.68100
453838	-1.00	4.50	3.10	-99.00	-1.00	-9999.00	4.50	2929.00	42.00	2.00	81.00	2.12300
453839	-4.00	5.90	4.10	-249.00	-3.00	-1.00	4.90	1433.00	57.00	-2.60	81.00	3.00300
453840	-3.00	3.50	-1.00	-185.00	-3.00	-1.00	-1.90	-9999.00	21.00	-2.50	-79.00	0.00000
453842	-3.00	9.30	4.70	-186.00	-2.00	-1.00	7.40	2587.00	94.00	2.50	298.00	3.50900
453843	-1.00	2.80	-1.40	-87.00	-1.00	-9999.00	2.20	1130.00	34.00	-.70	-23.00	2.44500
453844	-2.00	3.20	-.60	-208.00	-2.00	-1.00	-1.30	916.00	32.00	-1.70	-67.00	0.00000
453845	-2.00	3.10	1.50	-136.00	-2.00	-9999.00	2.10	1066.00	29.00	-1.30	-50.00	2.14100
453846	-3.00	6.10	3.10	-158.00	-3.00	-1.00	4.10	1465.00	49.00	-2.20	-67.00	2.90700
453847	-3.00	6.20	3.00	-235.00	-3.00	-1.00	4.90	1256.00	64.00	-2.20	-81.00	3.00300
453848	-1.00	2.80	2.20	-93.00	-1.00	-9999.00	2.80	2040.00	30.00	1.60	-20.00	2.39200
453849	-1.00	3.20	2.30	-81.00	-1.00	-9999.00	2.90	1273.00	39.00	1.30	-20.00	2.22000
453850	-2.00	2.40	.90	-174.00	-1.00	-9999.00	1.40	-9999.00	15.00	-1.10	-20.00	.57600
453851	-3.00	21.10	2.10	-454.00	-2.00	-1.00	-1.60	-9999.00	109.00	-2.10	-74.00	0.00000

WAINWRIGHT LAKE SEDIMENT

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	MOLYBDENUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
453852	70.6189	159.7764	8.	92.0	-9999.	1.09	-5.00	-5.00	-5.00	16.00	-20.00	-15.00	-5.00	-10.00	-15.00
453853	70.6519	159.6667	8.	49.0	-9999.	2.04	-5.00	-5.00	-5.00	14.00	-20.00	-15.00	-5.00	-10.00	-15.00
453854	70.7039	159.5311	8.	8.0	-9999.	1.74	-5.00	-5.00	-5.00	10.00	-20.00	20.00	8.00	-10.00	-15.00
453855	70.7106	159.4472	8.	44.0	-9999.	.61	-5.00	-5.00	-5.00	12.00	-20.00	19.00	-5.00	-10.00	-15.00
453856	70.7150	159.2925	7.	239.0	-9999.	.92	-5.00	-5.00	-5.00	11.00	-20.00	-15.00	-5.00	-10.00	-15.00
453857	70.7169	159.1575	8.	54.0	-9999.	1.88	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	27.00
453858	70.7053	159.0522	7.	82.0	-9999.	.38	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453859	70.2264	160.8389	7.	95.0	-9999.	.19	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00
453860	70.2878	160.5456	8.	11.0	-9999.	1.20	-5.00	-5.00	-5.00	19.00	-20.00	-15.00	5.00	-10.00	-15.00
453861	70.3222	160.4228	8.	23.0	-9999.	.66	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453862	70.3742	160.2928	8.	16.0	-9999.	.86	-5.00	-5.00	-5.00	10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453863	70.4036	160.1944	8.	18.0	-9999.	.90	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453864	70.4547	160.0294	7.	125.0	-9999.	2.54	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453865	70.4061	160.0311	8.	88.0	-9999.	1.87	-5.00	-5.00	-5.00	27.00	-20.00	38.00	9.00	-10.00	-15.00
453866	70.3586	160.1486	8.	20.0	-9999.	1.72	-5.00	-5.00	-5.00	22.00	-20.00	21.00	-5.00	-10.00	-15.00
453867	70.3247	160.3000	8.	72.0	-9999.	1.87	-5.00	-5.00	-5.00	17.00	-20.00	-15.00	-5.00	-10.00	-15.00
453868	70.2783	160.4264	8.	40.0	-9999.	2.05	-5.00	-5.00	-5.00	-10.00	-20.00	17.00	-5.00	-10.00	-15.00
453869	70.2672	160.2075	7.	11.0	-9999.	2.32	-5.00	-5.00	-5.00	10.00	-20.00	36.00	9.00	-10.00	-15.00
453870	70.3089	160.0431	7.	107.0	-9999.	2.27	-5.00	-5.00	-5.00	32.00	-20.00	20.00	9.00	-10.00	-15.00
453871	70.3603	159.9683	7.	65.0	-9999.	1.84	-5.00	-5.00	-5.00	13.00	-20.00	-15.00	-5.00	-10.00	-15.00
453872	70.3756	159.8286	7.	45.0	-9999.	1.03	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453873	70.5942	159.4061	7.	21.0	-9999.	.92	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453874	70.5719	159.3089	6.	45.0	-9999.	1.73	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453875	70.5500	159.1825	6.	59.0	-9999.	1.65	-5.00	-5.00	-5.00	10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453876	70.5914	159.0683	6.	35.0	-9999.	1.69	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453877	70.4217	159.0250	7.	35.0	-9999.	1.08	-5.00	-5.00	-5.00	10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453878	70.4364	159.0692	7.	33.0	-9999.	2.34	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	5.00	-10.00	-15.00
453879	70.4908	159.0806	7.	58.0	-9999.	1.76	-5.00	-5.00	-5.00	20.00	-20.00	19.00	-5.00	-10.00	-15.00
453880	70.4917	159.1464	-9999.	581.0	-9999.	1.24	-5.00	-5.00	-5.00	13.00	-20.00	-15.00	6.00	-10.00	-15.00
453881	70.4858	159.3344	5.	41.0	-9999.	1.10	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453882	70.4789	159.3825	5.	36.0	-9999.	1.61	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453883	70.4467	159.3850	6.	34.0	-9999.	1.13	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453884	70.4406	159.3286	6.	48.0	-9999.	1.64	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453885	70.4350	159.2014	6.	49.0	-9999.	1.01	-5.00	-5.00	-5.00	-10.00	-20.00	23.00	-5.00	-10.00	-15.00
453886	70.4147	159.2050	6.	76.0	-9999.	1.02	-5.00	-5.00	-5.00	-10.00	-20.00	16.00	-5.00	-10.00	-15.00
453887	70.4175	159.2492	6.	68.0	-9999.	1.09	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453888	70.4078	159.3761	6.	63.0	-9999.	1.19	-5.00	-5.00	-5.00	-10.00	-20.00	19.00	-5.00	-10.00	-15.00
453889	70.4206	159.5894	6.	48.0	-9999.	.86	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453890	70.4369	159.5964	6.	76.0	-9999.	1.03	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453891	70.4347	159.6389	6.	36.0	-9999.	1.67	-5.00	6.00	-5.00	15.00	-20.00	-15.00	5.00	-10.00	-15.00
453892	70.4114	159.6522	6.	68.0	-9999.	2.02	-5.00	-5.00	-5.00	15.00	-20.00	21.00	-5.00	-10.00	-15.00
453893	70.2328	161.1783	5.	106.0	-9999.	1.51	-5.00	-5.00	-5.00	25.00	-20.00	17.00	-5.00	-10.00	-15.00
453894	70.2481	161.1747	5.	122.0	-9999.	1.44	-5.00	-5.00	-5.00	20.00	-20.00	26.00	-5.00	-10.00	-15.00
453895	70.2622	161.1853	6.	57.0	-9999.	.88	-5.00	-5.00	-5.00	13.00	-20.00	-15.00	-5.00	-10.00	-15.00
453896	70.2606	161.2189	6.	71.0	-9999.	1.65	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453897	70.2350	161.2756	6.	35.0	-9999.	2.30	-5.00	-5.00	-5.00	27.00	-20.00	27.00	-5.00	-10.00	-15.00
453898	70.0233	159.1017	7.	39.0	-9999.	1.06	-5.00	-5.00	-5.00	17.00	-20.00	20.00	-5.00	-10.00	-15.00
453899	70.0181	159.1267	7.	32.0	-9999.	1.12	-5.00	-5.00	-5.00	16.00	-20.00	-15.00	-5.00	-10.00	-15.00
453900	70.0325	159.3367	7.	33.0	-9999.	.52	-5.00	-5.00	-5.00	23.00	-20.00	32.00	-5.00	-10.00	-15.00
453901	70.1497	159.0447	7.	20.0	-9999.	.53	-5.00	-5.00	-5.00	14.00	-20.00	-15.00	-5.00	-10.00	-15.00

WAINWRIGHT LAKE SEDIMENT

SAMPLE NO.	AS PPM	SB PPM	ZR PPM	MO PPM	BE PPM	LI PPM	AL PPM	SN PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM
453852	8.00	-5.00	36.00	-9999.00	-9999.00	-9999.00	19770.00	-.10	209.00	-938.00	18.00	1092.00	-1.90
453853	5.00	-5.00	146.00	-9999.00	-9999.00	-9999.00	37240.00	-.08	431.00	-668.00	44.00	219.00	8.30
453854	-5.00	-5.00	73.00	-9999.00	-9999.00	-9999.00	34580.00	-.11	479.00	-750.00	48.00	405.00	7.50
453855	-5.00	-5.00	28.00	-9999.00	-9999.00	-9999.00	10190.00	-.10	-109.00	-1905.00	-8.00	1391.00	-2.30
453856	5.00	-5.00	62.00	-9999.00	-9999.00	-9999.00	19750.00	-.08	241.00	-767.00	20.00	1330.00	4.00
453857	8.00	-5.00	261.00	-9999.00	-9999.00	-9999.00	24810.00	-.04	217.00	5645.00	42.00	-53.00	6.00
453858	18.00	-5.00	31.00	-9999.00	-9999.00	-9999.00	5771.00	-.10	-99.00	8578.00	-7.00	529.00	-1.10
453859	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-6531.00	-1.60	-1651.00	-27570.00	-136.00	-750.00	-37.90
453860	-5.00	-5.00	101.00	-9999.00	-9999.00	-9999.00	23100.00	-.04	351.00	1876.00	30.00	-49.00	3.80
453861	5.00	-5.00	29.00	-9999.00	-9999.00	-9999.00	9101.00	-.08	329.00	-1155.00	17.00	534.00	-2.00
453862	5.00	-5.00	61.00	-9999.00	-9999.00	-9999.00	11710.00	-.04	482.00	-278.00	25.00	58.00	2.90
453863	6.00	-5.00	66.00	-9999.00	-9999.00	-9999.00	15610.00	-.04	362.00	1471.00	27.00	-39.00	3.20
453864	7.00	-5.00	777.00	-9999.00	-9999.00	-9999.00	21520.00	-.04	787.00	3634.00	43.00	-46.00	4.40
453865	33.00	-5.00	71.00	-9999.00	-9999.00	-9999.00	42300.00	-.14	495.00	8669.00	59.00	241.00	16.70
453866	13.00	-5.00	72.00	-9999.00	-9999.00	-9999.00	22990.00	-.14	527.00	-1016.00	37.00	494.00	6.00
453867	8.00	-5.00	84.00	-9999.00	-9999.00	-9999.00	35030.00	-.12	520.00	8666.00	57.00	292.00	6.90
453868	-5.00	-5.00	266.00	-9999.00	-9999.00	-9999.00	24650.00	-.04	364.00	2960.00	51.00	87.00	4.40
453869	-5.00	-5.00	207.00	-9999.00	-9999.00	-9999.00	43680.00	-.07	491.00	-610.00	52.00	-82.00	13.30
453870	13.00	-5.00	75.00	-9999.00	-9999.00	-9999.00	50070.00	-.12	610.00	11036.00	57.00	256.00	15.90
453871	17.00	-5.00	58.00	-9999.00	-9999.00	-9999.00	29870.00	-.13	579.00	8982.00	49.00	337.00	8.40
453872	11.00	-5.00	36.00	-9999.00	-9999.00	-9999.00	21540.00	-.07	460.00	3964.00	23.00	324.00	4.70
453873	-5.00	-5.00	102.00	-9999.00	-9999.00	-9999.00	15470.00	-.04	210.00	-395.00	29.00	126.00	3.00
453874	-5.00	-5.00	253.00	-9999.00	-9999.00	-9999.00	20960.00	-.04	277.00	2924.00	44.00	-45.00	4.70
453875	-5.00	-5.00	227.00	-9999.00	-9999.00	-9999.00	21180.00	-.04	295.00	4469.00	39.00	-50.00	5.50
453876	6.00	-5.00	207.00	-9999.00	-9999.00	-9999.00	26890.00	-.05	307.00	2716.00	35.00	103.00	4.40
453877	-5.00	-5.00	112.00	-9999.00	-9999.00	-9999.00	18990.00	-.03	247.00	1994.00	31.00	-39.00	3.80
453878	-5.00	-5.00	482.00	-9999.00	-9999.00	-9999.00	20290.00	-.04	269.00	5528.00	36.00	-44.00	6.10
453879	7.00	-5.00	127.00	-9999.00	-9999.00	-9999.00	36900.00	-.08	462.00	-674.00	39.00	-81.00	9.70
453880	-5.00	-5.00	111.00	-9999.00	-9999.00	-9999.00	20840.00	-.03	297.00	2698.00	37.00	146.00	3.70
453881	-5.00	-5.00	95.00	-9999.00	-9999.00	-9999.00	20310.00	-.05	305.00	2181.00	29.00	250.00	5.20
453882	-5.00	-5.00	194.00	-9999.00	-9999.00	-9999.00	31300.00	-.06	389.00	5973.00	43.00	-56.00	5.50
453883	6.00	-5.00	54.00	-9999.00	-9999.00	-9999.00	22510.00	-.06	434.00	2312.00	30.00	197.00	5.40
453884	8.00	-5.00	139.00	-9999.00	-9999.00	-9999.00	25560.00	-.05	411.00	3791.00	34.00	135.00	6.10
453885	-5.00	-5.00	62.00	-9999.00	-9999.00	-9999.00	21730.00	-.04	227.00	2965.00	26.00	-53.00	6.40
453886	-5.00	-5.00	83.00	-9999.00	-9999.00	-9999.00	18610.00	-.04	279.00	-305.00	32.00	68.00	3.50
453887	-5.00	-5.00	83.00	-9999.00	-9999.00	-9999.00	26720.00	-.06	378.00	-652.00	28.00	-70.00	3.30
453888	18.00	-5.00	37.00	-9999.00	-9999.00	-9999.00	20970.00	-.09	492.00	6554.00	23.00	371.00	11.40
453889	-5.00	-5.00	67.00	-9999.00	-9999.00	-9999.00	14000.00	-.03	319.00	1575.00	22.00	-30.00	2.70
453890	11.00	-5.00	98.00	-9999.00	-9999.00	-9999.00	15700.00	-.03	334.00	1674.00	32.00	-32.00	3.00
453891	-5.00	-5.00	195.00	-9999.00	-9999.00	-9999.00	29640.00	-.05	375.00	-375.00	33.00	109.00	4.90
453892	11.00	-5.00	154.00	-9999.00	-9999.00	-9999.00	35100.00	-.07	439.00	5145.00	47.00	-67.00	9.20
453893	29.00	-5.00	83.00	-9999.00	-9999.00	-9999.00	26210.00	-.12	459.00	-999.00	36.00	465.00	5.40
453894	10.00	-5.00	53.00	-9999.00	-9999.00	-9999.00	23790.00	-.11	504.00	-1411.00	41.00	491.00	-2.10
453895	-5.00	-5.00	60.00	-9999.00	-9999.00	-9999.00	17050.00	-.03	311.00	1659.00	29.00	-36.00	2.90
453896	-5.00	-5.00	314.00	-9999.00	-9999.00	-9999.00	20330.00	-.03	244.00	2844.00	46.00	-43.00	4.90
453897	18.00	-5.00	90.00	-9999.00	-9999.00	-9999.00	40140.00	-.13	734.00	6720.00	60.00	398.00	8.60
453898	7.00	-5.00	74.00	-9999.00	-9999.00	-9999.00	19630.00	-.08	375.00	7084.00	31.00	439.00	5.10
453899	-5.00	-5.00	103.00	-9999.00	-9999.00	-9999.00	21920.00	-.06	319.00	5216.00	22.00	-77.00	5.10
453900	7.00	-5.00	30.00	-9999.00	-9999.00	-9999.00	8453.00	-.09	-134.00	-1641.00	-7.00	487.00	9.90
453901	6.00	-5.00	34.00	-9999.00	-9999.00	-9999.00	10520.00	.01	231.00	10930.00	-12.00	309.00	8.70

MAINWRIGHT LAKE SEDIMENT

PG. THPEF — SAMPLE SET #2

SAMPLE NO.	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HF PPM	K PPM	LA PPM	LU PPM	MG PPM	MN PPM	NA PPM	ND PPM
453852	39.00	-1.90	2.00	-.80	13860.00	-1.20	-2445.00	-8.00	-.20	-1354.00	62.00	1731.00	-39.00
453853	113.00	-1.70	4.00	1.00	17690.00	6.70	-2552.00	24.00	.40	4613.00	104.00	7047.00	-32.00
453854	93.00	-2.20	3.00	.90	19540.00	3.60	5549.00	-6.00	.20	2993.00	104.00	4363.00	-38.00
453855	-13.00	-2.00	1.00	-.40	9601.00	-1.40	-2622.00	-9.00	-.10	-1310.00	47.00	1011.00	-43.00
453856	49.00	-1.90	2.00	-.30	19370.00	2.30	-2299.00	-6.00	-.10	2790.00	76.00	3670.00	-37.00
453857	262.00	-.90	2.00	.80	14590.00	12.40	5432.00	19.00	.30	4627.00	220.00	7241.00	-18.00
453858	-12.00	-2.00	-1.00	-.30	36500.00	-1.30	-2321.00	-8.00	-.10	-1106.00	153.00	1299.00	-46.00
453859	-200.00	-27.60	-13.00	-6.10	-19470.00	-21.80	-18050.00	-160.00	-2.30	-6034.00	-11.00	-561.00	-605.00
453860	93.00	-.80	2.00	.70	9655.00	3.60	5401.00	14.00	.20	-981.00	70.00	6571.00	-35.00
453861	53.00	-1.70	1.00	.70	15820.00	2.00	-2112.00	-8.00	-.10	-1277.00	60.00	1780.00	-39.00
453862	186.00	-.70	1.00	.50	12010.00	2.30	3106.00	11.00	.10	-513.00	76.00	1736.00	-14.00
453863	68.00	1.10	2.00	.40	16860.00	1.30	4510.00	9.00	.10	1328.00	75.00	3412.00	-31.00
453864	1515.00	-.70	3.00	1.10	10420.00	27.90	4171.00	27.00	.40	2328.00	154.00	6833.00	-13.00
453865	55.00	-3.10	4.00	1.70	135100.00	-1.70	-3522.00	23.00	.30	-1692.00	302.00	2873.00	-74.00
453866	119.00	-3.00	4.00	1.00	31330.00	-2.00	-2567.00	-10.00	.30	-1581.00	77.00	3348.00	-53.00
453867	136.00	-2.30	3.00	.90	25870.00	2.80	-3355.00	25.00	-.20	-1723.00	122.00	3687.00	-47.00
453868	592.00	1.00	3.00	.80	11760.00	14.30	5283.00	22.00	.20	-970.00	109.00	7188.00	-14.00
453869	145.00	2.10	3.00	1.10	24220.00	8.20	8188.00	26.00	.30	-1452.00	385.00	10850.00	55.00
453870	100.00	-2.70	6.00	1.30	57150.00	2.70	8314.00	28.00	.30	5580.00	529.00	3334.00	-48.00
453871	64.00	-2.70	3.00	1.00	47760.00	-1.70	-3306.00	-9.00	-.20	-1607.00	150.00	2469.00	-54.00
453872	22.00	-1.60	2.00	.70	36600.00	-.90	-2289.00	-5.00	-.10	2342.00	195.00	1571.00	-32.00
453873	207.00	-.60	1.00	.50	8052.00	6.20	3817.00	14.00	.10	-835.00	52.00	5165.00	-16.00
453874	372.00	-.90	3.00	.80	9600.00	14.20	4398.00	18.00	.20	1806.00	99.00	6373.00	-15.00
453875	277.00	-.80	2.00	.70	9174.00	12.70	4794.00	19.00	.20	2070.00	106.00	6716.00	-15.00
453876	196.00	-.90	2.00	.80	13490.00	8.80	7491.00	18.00	.20	2989.00	146.00	6948.00	-17.00
453877	173.00	-.60	1.00	.60	9100.00	5.20	3679.00	12.00	.10	1758.00	68.00	5428.00	-13.00
453878	950.00	-.80	3.00	.90	10310.00	24.90	4922.00	23.00	.40	1914.00	181.00	6319.00	-15.00
453879	137.00	-1.50	3.00	.70	15620.00	4.40	7614.00	22.00	.10	2724.00	81.00	6949.00	-29.00
453880	215.00	.90	2.00	.60	9514.00	8.00	6424.00	16.00	.20	1378.00	77.00	5942.00	-13.00
453881	139.00	-1.10	2.00	.60	11960.00	3.70	-1820.00	12.00	.10	-1061.00	112.00	5490.00	-23.00
453882	243.00	1.70	3.00	.90	15570.00	7.30	8659.00	17.00	.20	3578.00	181.00	6032.00	-21.00
453883	70.00	-1.30	2.00	1.00	15810.00	2.20	4014.00	-4.00	-.10	2655.00	66.00	5087.00	-24.00
453884	170.00	1.90	3.00	.70	15130.00	5.90	4155.00	18.00	.20	-1167.00	113.00	6440.00	-20.00
453885	93.00	-.90	2.00	.60	9031.00	2.20	4023.00	13.00	.10	-968.00	109.00	5949.00	-19.00
453886	112.00	-.80	2.00	.60	11110.00	3.60	4254.00	13.00	.10	1387.00	83.00	4634.00	-15.00
453887	72.00	-1.20	2.00	.90	12240.00	2.30	5997.00	16.00	.20	-1281.00	54.00	6694.00	-21.00
453888	37.00	-1.80	3.00	.70	58600.00	1.50	-2377.00	-6.00	.20	-1179.00	132.00	1799.00	-43.00
453889	67.00	1.10	1.00	.40	6597.00	1.80	4147.00	10.00	.10	972.00	47.00	2756.00	-13.00
453890	261.00	-.70	2.00	.50	6832.00	3.60	4200.00	12.00	.10	1160.00	79.00	3545.00	-13.00
453891	204.00	1.90	3.00	.70	10460.00	5.50	5416.00	15.00	.20	2220.00	92.00	6339.00	-18.00
453892	166.00	2.60	3.00	1.20	27880.00	6.90	8105.00	19.00	.30	2645.00	154.00	7316.00	-29.00
453893	59.00	-2.70	4.00	1.20	48970.00	3.00	-2890.00	-8.00	.20	-1474.00	173.00	3470.00	-59.00
453894	34.00	-2.60	3.00	-.40	34400.00	-1.70	-3486.00	-8.00	-.20	-1552.00	186.00	2122.00	-53.00
453895	64.00	-.60	1.00	-.50	6059.00	1.80	3924.00	11.00	.10	1179.00	56.00	4963.00	-10.00
453896	1275.00	-.90	2.00	.70	10190.00	13.70	2915.00	21.00	.20	-792.00	122.00	5913.00	-15.00
453897	82.00	-2.90	5.00	1.40	30050.00	-1.70	9614.00	-7.00	.30	4021.00	157.00	3208.00	-50.00
453898	49.00	-1.70	2.00	-.30	16370.00	2.10	4824.00	-7.00	-.10	-1575.00	113.00	4899.00	-38.00
453899	67.00	-1.10	2.00	.50	10930.00	3.20	5376.00	11.00	.20	-1475.00	112.00	4973.00	-23.00
453900	-13.00	-2.10	-1.00	-.30	22670.00	-1.40	-3096.00	-8.00	-.10	-1421.00	241.00	1200.00	-50.00
453901	-18.00	-2.80	-1.00	-.50	11460.00	-1.90	-2985.00	-12.00	-.20	-1584.00	119.00	1426.00	-60.00

WAINWRIGHT LAKE SEDIMENT

SAMPLE NO.	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	TH/U RATIO
453852	-2.00	4.10	-.70	-190.00	-3.00	-1.00	2.30	1339.00	52.00	-1.80	-46.00	2.11000
453853	-2.00	7.70	4.00	-148.00	-1.00	-1.00	9.20	2944.00	77.00	3.10	-59.00	2.55100
453854	-3.00	8.20	3.20	-165.00	-2.00	-1.00	5.80	2277.00	73.00	-2.00	-60.00	3.33300
453855	-3.00	2.90	-.80	-180.00	-3.00	-1.00	-1.60	-9999.00	36.00	-1.90	-67.00	0.00000
453856	-2.00	3.70	2.20	-192.00	-2.00	-9999.00	2.50	1093.00	41.00	-1.40	-57.00	2.71700
453857	-1.00	4.60	3.10	-127.00	-1.00	-9999.00	3.80	3025.00	41.00	2.50	-22.00	2.07000
453858	-2.00	1.50	-.70	-179.00	-2.00	-1.00	-1.50	-9999.00	17.00	-1.90	-62.00	0.00000
453859	-38.00	-2.00	-12.40	-9999.00	-46.00	-9.00	-23.60	-9999.00	-48.00	-29.90	-1126.00	0.00000
453860	-1.00	3.70	2.20	-112.00	-1.00	-9999.00	3.10	2031.00	38.00	-.70	59.00	2.58400
453861	-2.00	2.90	1.60	-158.00	-3.00	-1.00	1.80	787.00	21.00	-1.60	-68.00	2.72500
453862	-1.00	2.10	-1.80	-68.00	-1.00	-9999.00	1.80	920.00	30.00	-.70	-22.00	2.09200
453863	-1.00	2.90	1.60	-86.00	-1.00	-9999.00	2.10	1329.00	40.00	-.80	-20.00	2.33100
453864	-1.00	4.50	4.20	-118.00	-1.00	-9999.00	5.30	4346.00	51.00	2.90	58.00	2.08800
453865	-4.00	11.90	5.60	-253.00	-3.00	-1.00	8.30	2411.00	122.00	4.30	177.00	4.44400
453866	-4.00	8.50	4.60	-182.00	-3.00	-1.00	5.30	1213.00	85.00	-3.10	-78.00	3.07700
453867	-3.00	9.80	3.20	-204.00	-3.00	-1.00	4.10	2487.00	78.00	-2.20	-67.00	2.19300
453868	-1.00	4.50	4.00	-116.00	-1.00	-9999.00	4.20	3036.00	47.00	-.90	54.00	2.04900
453869	-2.00	8.50	4.30	-195.00	-2.00	1.00	8.50	3420.00	75.00	3.30	59.00	3.66300
453870	-3.00	12.40	6.30	-255.00	-2.00	-1.00	8.50	2961.00	117.00	5.30	134.00	3.74500
453871	-3.00	8.70	-2.30	-219.00	-2.00	-1.00	5.60	2018.00	78.00	-2.50	-87.00	3.04000
453872	-2.00	5.10	2.40	-182.00	-2.00	-9999.00	3.40	1277.00	51.00	-1.30	99.00	3.30000
453873	-1.00	2.50	1.90	-91.00	-1.00	-9999.00	2.40	1639.00	28.00	-.70	-27.00	2.61100
453874	-1.00	3.50	3.70	-92.00	-1.00	-9999.00	3.60	2925.00	38.00	2.10	-31.00	2.07900
453875	-1.00	4.20	2.70	-90.00	-1.00	-9999.00	3.70	2962.00	42.00	2.30	-22.00	2.24700
453876	-1.00	4.50	2.60	-145.00	-1.00	-9999.00	4.00	2518.00	48.00	1.90	43.00	2.36400
453877	-1.00	2.90	2.30	-83.00	-1.00	-9999.00	3.00	1456.00	32.00	1.00	43.00	2.77800
453878	-1.00	4.10	4.50	-99.00	-1.00	-9999.00	4.60	3632.00	44.00	3.50	44.00	1.98500
453879	-2.00	7.10	1.80	-151.00	-2.00	-9999.00	5.10	3126.00	61.00	-1.40	-48.00	2.80000
453880	-1.00	3.50	2.00	-103.00	-1.00	-9999.00	3.20	2011.00	40.00	1.70	-24.00	2.58400
453881	-1.00	4.00	2.30	-129.00	-1.00	-9999.00	3.20	2142.00	41.00	2.10	-39.00	2.90700
453882	-2.00	6.00	3.00	-126.00	-1.00	-9999.00	5.10	3231.00	61.00	2.70	-30.00	3.16500
453883	-2.00	4.90	2.50	-127.00	-1.00	-9999.00	3.40	1376.00	45.00	-1.20	-41.00	3.01200
453884	-1.00	5.00	3.00	-142.00	-1.00	-9999.00	3.90	2452.00	47.00	2.50	-31.00	2.37500
453885	-1.00	3.60	2.50	-117.00	-1.00	-9999.00	2.80	1234.00	35.00	1.50	-24.00	2.77000
453886	-1.00	3.00	2.20	-80.00	-1.00	-9999.00	2.80	1938.00	36.00	1.30	57.00	2.74700
453887	-2.00	4.60	2.10	-131.00	-1.00	-9999.00	3.20	1909.00	43.00	-1.10	-36.00	2.03300
453888	-2.00	5.30	-.60	-184.00	-2.00	-1.00	4.70	1424.00	63.00	-1.70	-56.00	3.05300
453889	-1.00	2.30	1.50	-70.00	-1.00	-9999.00	2.40	888.00	26.00	.90	-22.00	2.79200
453890	-1.00	2.70	2.10	-71.00	-1.00	-9999.00	2.40	1796.00	35.00	1.10	-19.00	2.33100
453891	-1.00	5.20	2.10	-127.00	-1.00	-9999.00	3.80	2226.00	60.00	1.90	66.00	2.77900
453892	-2.00	7.00	4.70	-154.00	-2.00	-9999.00	5.10	2832.00	84.00	3.50	-30.00	2.52900
453893	-3.00	6.10	3.70	-207.00	-3.00	-1.00	3.90	1382.00	57.00	-2.70	-79.00	2.58400
453894	-3.00	6.00	2.20	-243.00	-3.00	-1.00	4.70	1971.00	56.00	-2.20	-87.00	3.26800
453895	-1.00	2.60	1.90	-84.00	-1.00	-9999.00	2.70	1567.00	30.00	-.60	-31.00	3.06700
453896	-1.00	3.80	3.50	-99.00	-1.00	-9999.00	3.90	2709.00	38.00	2.10	41.00	2.36400
453897	-4.00	10.70	5.10	-197.00	-4.00	-1.00	6.10	2431.00	97.00	-2.50	-108.00	2.65300
453898	-2.00	4.40	-1.50	-191.00	-2.00	-1.00	-1.40	1502.00	36.00	-1.60	-56.00	0.00000
453899	-1.00	3.40	1.70	-180.00	-2.00	-9999.00	2.60	1868.00	41.00	-1.00	-37.00	2.32000
453900	-3.00	2.90	-.70	-251.00	-3.00	-1.00	2.40	-9999.00	-7.00	-1.90	524.00	4.40000
453901	-3.00	2.10	-1.00	-224.00	-3.00	-1.00	-2.20	1190.00	23.00	-2.80	-85.00	0.00000

MAINWRIGHT LAKE SEDIMENT

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	MOLYBDENUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
453902	70.1447	159.2039	7.	29.0	-9999.	1.17	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453903	70.1278	159.3450	7.	30.0	-9999.	1.39	-5.00	-5.00	-5.00	16.00	-20.00	-15.00	-5.00	-10.00	-15.00
453904	70.1369	159.4208	7.	33.0	-9999.	.19	-5.00	-5.00	-5.00	20.00	-20.00	-15.00	-5.00	-10.00	-15.00
453905	70.1514	159.5411	7.	21.0	-9999.	.96	-5.00	-5.00	-5.00	27.00	-20.00	27.00	-5.00	-10.00	-15.00
453906	70.1456	159.6925	7.	43.0	-9999.	2.10	-5.00	-5.00	-5.00	10.00	-20.00	19.00	8.00	-10.00	-15.00
453907	70.1569	159.8558	7.	43.0	-9999.	1.13	-5.00	-5.00	-5.00	20.00	-20.00	21.00	-5.00	-10.00	-15.00
453908	70.1433	159.9469	7.	17.0	-9999.	.50	-5.00	-5.00	-5.00	25.00	-20.00	26.00	-5.00	-10.00	-15.00
453909	70.1458	160.0542	7.	18.0	-9999.	.94	-5.00	-5.00	-5.00	13.00	-20.00	-15.00	-5.00	-10.00	-15.00
453910	70.1492	160.1333	7.	16.0	-9999.	1.41	-5.00	-5.00	-5.00	25.00	-20.00	23.00	-5.00	-10.00	-15.00
453911	70.1417	160.2794	7.	40.0	-9999.	.98	-5.00	-5.00	-5.00	12.00	-20.00	-15.00	-5.00	-10.00	-15.00
453912	70.1608	160.4528	7.	8.0	-9999.	1.89	-5.00	5.00	-5.00	15.00	-20.00	17.00	-5.00	-10.00	-15.00
453913	70.1494	160.5850	7.	43.0	-9999.	.44	-5.00	-5.00	-5.00	29.00	-20.00	-15.00	-5.00	-10.00	-15.00
453914	70.1425	160.6781	7.	42.0	-9999.	1.16	-5.00	5.00	-5.00	13.00	-20.00	18.00	-5.00	-10.00	-15.00
453915	70.1447	160.8667	8.	15.0	-9999.	1.50	-5.00	-5.00	-5.00	16.00	-20.00	27.00	-5.00	-10.00	-15.00
453916	70.1447	160.9364	7.	19.0	-9999.	1.91	-5.00	-5.00	-5.00	27.00	-20.00	27.00	-5.00	-10.00	-15.00
453917	70.1386	161.8631	5.	36.0	-9999.	.94	-5.00	-5.00	-5.00	22.00	-20.00	-15.00	-5.00	-10.00	-15.00
453918	70.1425	161.9517	5.	40.0	-9999.	2.11	-5.00	-5.00	-5.00	10.00	-20.00	21.00	-5.00	-10.00	-15.00
453919	70.0972	161.9536	6.	30.0	-9999.	.87	-5.00	-5.00	-5.00	10.00	-20.00	19.00	-5.00	-10.00	-15.00
453920	70.0708	161.9158	6.	10.0	-9999.	.75	-5.00	-5.00	-5.00	16.00	-20.00	15.00	-5.00	-10.00	-15.00
453921	70.0325	161.9311	7.	95.0	-9999.	1.26	-5.00	-5.00	-5.00	42.00	-20.00	18.00	-5.00	-10.00	-15.00
453923	70.0653	161.8061	7.	91.0	-9999.	2.02	-5.00	-5.00	-5.00	49.00	-20.00	-15.00	18.00	-10.00	-15.00
453924	70.0911	161.7817	7.	53.0	-9999.	1.35	-5.00	-5.00	-5.00	17.00	-20.00	-15.00	-5.00	-10.00	-15.00
453925	70.1467	161.6081	8.	15.0	-9999.	1.22	-5.00	-5.00	-5.00	22.00	-20.00	-15.00	-5.00	-10.00	-15.00
453926	70.1392	161.6761	8.	15.0	-9999.	.99	-5.00	-5.00	-5.00	29.00	-20.00	17.00	9.00	-10.00	-15.00
453927	70.1025	161.6881	8.	47.0	-9999.	.57	-5.00	-5.00	-5.00	23.00	-20.00	17.00	-5.00	-10.00	-15.00
453928	70.0786	161.7064	8.	14.0	-9999.	.98	-5.00	-5.00	-5.00	26.00	-20.00	16.00	-5.00	-10.00	-15.00
453929	70.0239	161.6867	7.	21.0	-9999.	1.65	-5.00	-5.00	-5.00	17.00	-20.00	23.00	5.00	-10.00	-15.00
453931	70.0514	161.5472	8.	77.0	-9999.	.94	-5.00	-5.00	-5.00	23.00	-20.00	-15.00	-5.00	-10.00	-15.00
453932	70.1142	161.6214	8.	26.0	-9999.	2.19	-5.00	-5.00	-5.00	25.00	-20.00	41.00	9.00	-10.00	-15.00
453933	70.1408	161.4719	5.	65.0	-9999.	5.70	11.00	-5.00	-5.00	30.00	-20.00	148.00	-5.00	36.00	-15.00
453936	70.0267	161.4786	7.	164.0	-9999.	.81	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00
453938	70.0744	161.3042	8.	101.0	-9999.	2.44	-5.00	6.00	-5.00	15.00	-20.00	15.00	-5.00	-10.00	-15.00
453939	70.0983	161.2828	8.	37.0	-9999.	1.13	-5.00	-5.00	-5.00	25.00	-20.00	24.00	-5.00	-10.00	-15.00
453941	70.1397	161.2272	8.	56.0	-9999.	1.69	-5.00	-5.00	-5.00	22.00	-20.00	-15.00	-5.00	-10.00	-15.00
453942	70.1078	161.2383	8.	19.0	-9999.	1.38	-5.00	-5.00	-5.00	26.00	-20.00	21.00	-5.00	-10.00	-15.00
453944	70.0386	161.1567	8.	96.0	-9999.	2.34	-5.00	-5.00	-5.00	26.00	-20.00	16.00	5.00	-10.00	-15.00
453945	70.0100	161.0796	9.	43.0	-9999.	2.35	-5.00	6.00	-5.00	20.00	-20.00	23.00	-5.00	-10.00	-15.00
453947	70.1153	161.0728	8.	93.0	-9999.	1.28	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	5.00	-10.00	-15.00
453948	70.1436	161.0811	8.	14.0	-9999.	.93	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453949	70.2342	159.0767	7.	24.0	-9999.	1.54	-5.00	6.00	-5.00	15.00	-20.00	-15.00	-5.00	-10.00	-15.00
453950	70.2331	159.1553	6.	22.0	-9999.	.89	-5.00	-5.00	-5.00	19.00	-20.00	-15.00	-5.00	-10.00	-15.00
453951	70.2222	159.3300	7.	14.0	-9999.	1.20	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453952	70.2367	159.4281	7.	19.0	-9999.	1.11	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453953	70.1028	160.9022	6.	8.0	-9999.	2.63	-5.00	5.00	-5.00	25.00	-20.00	27.00	9.00	-10.00	-15.00
453954	70.0992	160.8111	7.	44.0	-9999.	2.04	-5.00	-5.00	-5.00	29.00	-20.00	26.00	-5.00	-10.00	-15.00
453955	70.1083	160.6497	6.	23.0	-9999.	1.06	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453956	70.0950	160.6094	7.	48.0	-9999.	2.01	-5.00	-5.00	-5.00	23.00	-20.00	42.00	5.00	-10.00	-15.00
453957	70.1192	160.4136	7.	13.0	-9999.	1.04	-5.00	-5.00	-5.00	11.00	-20.00	-15.00	-5.00	-10.00	-15.00
453958	70.1039	160.2658	7.	23.0	-9999.	2.50	-5.00	-5.00	-5.00	25.00	-20.00	-15.00	6.00	-10.00	-15.00
453959	70.1228	160.1642	6.	16.0	-9999.	2.06	-5.00	-5.00	-5.00	21.00	-20.00	25.00	9.00	-10.00	-15.00

SAMPLE NO.	AS PPM	SE PPM	ZR PPM	MO PPM	BE PPM	LI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM
453902	-5.00	-5.00	135.00	-9999.00	-9999.00	-9999.00	20630.00	-.03	304.00	2401.00	28.00	-49.00	4.10
453903	8.00	-5.00	127.00	-9999.00	-9999.00	-9999.00	24810.00	-.06	400.00	4846.00	32.00	-75.00	3.10
453904	-5.00	-5.00	23.00	-9999.00	-9999.00	-9999.00	-1723.00	-.13	-272.00	-2906.00	-10.00	-123.00	-3.50
453905	9.00	-5.00	44.00	-9999.00	-9999.00	-9999.00	16710.00	.30	386.00	9255.00	34.00	460.00	32.00
453906	5.00	-5.00	266.00	-9999.00	-9999.00	-9999.00	41830.00	-.07	433.00	-721.00	43.00	556.00	6.20
453907	-5.00	-5.00	121.00	-9999.00	-9999.00	-9999.00	18170.00	-.06	331.00	4708.00	27.00	403.00	4.00
453908	6.00	-5.00	34.00	-9999.00	-9999.00	-9999.00	8383.00	.89	-145.00	-1884.00	-8.00	1900.00	8.50
453909	8.00	-5.00	78.00	-9999.00	-9999.00	-9999.00	17200.00	-.03	283.00	1471.00	33.00	-37.00	3.00
453910	14.00	-5.00	90.00	-9999.00	-9999.00	-9999.00	34620.00	-.16	486.00	-2074.00	44.00	370.00	32.00
453911	6.00	-5.00	63.00	-9999.00	-9999.00	-9999.00	16590.00	-.03	291.00	2403.00	29.00	113.00	3.30
453912	11.00	-5.00	208.00	-9999.00	-9999.00	-9999.00	35980.00	-.05	377.00	2822.00	49.00	-50.00	8.00
453913	8.00	-5.00	21.00	-9999.00	-9999.00	-9999.00	8520.00	.38	-203.00	-2106.00	-16.00	631.00	20.90
453914	-5.00	-5.00	100.00	-9999.00	-9999.00	-9999.00	21310.00	-.04	350.00	-472.00	31.00	93.00	5.00
453915	9.00	-5.00	98.00	-9999.00	-9999.00	-9999.00	30340.00	-.06	479.00	-548.00	38.00	163.00	6.00
453916	11.00	-5.00	75.00	-9999.00	-9999.00	-9999.00	41800.00	-.13	424.00	-1249.00	45.00	538.00	9.50
453917	5.00	-5.00	69.00	-9999.00	-9999.00	-9999.00	17640.00	-.06	325.00	3827.00	33.00	313.00	4.10
453918	8.00	-5.00	458.00	-9999.00	-9999.00	-9999.00	23110.00	-.04	352.00	2726.00	54.00	112.00	4.70
453919	-5.00	-5.00	75.00	-9999.00	-9999.00	-9999.00	17940.00	-.03	330.00	3205.00	27.00	-38.00	3.80
453920	9.00	-5.00	46.00	-9999.00	-9999.00	-9999.00	14510.00	.22	-140.00	-1106.00	-7.00	412.00	6.40
453921	8.00	-5.00	40.00	-9999.00	-9999.00	-9999.00	15780.00	.49	427.00	-1547.00	-12.00	348.00	-2.70
453923	37.00	-5.00	75.00	-9999.00	-9999.00	-9999.00	22300.00	-.12	442.00	17060.00	41.00	-93.00	11.00
453924	8.00	-5.00	184.00	-9999.00	-9999.00	-9999.00	19280.00	-.03	349.00	2636.00	45.00	-43.00	6.00
453925	52.00	-5.00	43.00	-9999.00	-9999.00	-9999.00	9973.00	-.15	630.00	11700.00	19.00	254.00	11.00
453926	6.00	-5.00	57.00	-9999.00	-9999.00	-9999.00	17340.00	-.10	-119.00	-1586.00	-8.00	895.00	-1.80
453927	8.00	-5.00	40.00	-9999.00	-9999.00	-9999.00	9345.00	-.08	259.00	-1084.00	12.00	583.00	3.40
453928	15.00	-5.00	61.00	-9999.00	-9999.00	-9999.00	19760.00	-.10	396.00	-1348.00	28.00	694.00	-2.10
453929	7.00	-5.00	127.00	-9999.00	-9999.00	-9999.00	30610.00	-.09	391.00	4884.00	36.00	196.00	7.40
453931	9.00	-5.00	37.00	-9999.00	-9999.00	-9999.00	12290.00	-.10	-180.00	13100.00	17.00	251.00	-2.20
453932	30.00	-5.00	55.00	-9999.00	-9999.00	-9999.00	34410.00	-.16	606.00	-1949.00	38.00	-107.00	17.30
453933	97.00	-5.00	181.00	-9999.00	-9999.00	-9999.00	35460.00	-.13	755.00	13740.00	76.00	-136.00	73.90
453936	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	11310.00	-.03	444.00	-393.00	19.00	-79.00	3.50
453938	14.00	-5.00	321.00	-9999.00	-9999.00	-9999.00	34160.00	-.06	405.00	8013.00	47.00	-82.00	8.80
453939	12.00	-5.00	57.00	-9999.00	-9999.00	-9999.00	21270.00	-.11	449.00	-1638.00	-8.00	760.00	-2.30
453941	7.00	-5.00	126.00	-9999.00	-9999.00	-9999.00	33090.00	-.06	559.00	-578.00	47.00	107.00	4.40
453942	14.00	-5.00	56.00	-9999.00	-9999.00	-9999.00	26330.00	-.09	467.00	4023.00	41.00	274.00	5.70
453944	9.00	-5.00	129.00	-9999.00	-9999.00	-9999.00	44010.00	.14	585.00	7051.00	50.00	169.00	9.90
453945	8.00	-5.00	280.00	-9999.00	-9999.00	-9999.00	35730.00	-.06	406.00	8811.00	57.00	-76.00	7.90
453947	-5.00	-5.00	86.00	-9999.00	-9999.00	-9999.00	21600.00	-.04	303.00	3019.00	35.00	100.00	5.20
453948	9.00	-5.00	75.00	-9999.00	-9999.00	-9999.00	17700.00	-.03	288.00	1697.00	26.00	-34.00	3.20
453949	5.00	-5.00	236.00	-9999.00	-9999.00	-9999.00	19350.00	-.03	314.00	2891.00	43.00	-45.00	4.60
453950	11.00	-5.00	78.00	-9999.00	-9999.00	-9999.00	18550.00	-.03	301.00	1998.00	30.00	-39.00	2.60
453951	-5.00	-5.00	217.00	-9999.00	-9999.00	-9999.00	19260.00	-.03	276.00	2522.00	31.00	-41.00	3.10
453952	-5.00	-5.00	142.00	-9999.00	-9999.00	-9999.00	16670.00	-.03	256.00	1752.00	34.00	-32.00	3.70
453953	6.00	-5.00	233.00	-9999.00	-9999.00	-9999.00	45750.00	-.09	607.00	3060.00	59.00	-90.00	8.80
453954	18.00	-5.00	109.00	-9999.00	-9999.00	-9999.00	44710.00	-.10	797.00	7912.00	60.00	153.00	19.70
453955	8.00	-5.00	140.00	-9999.00	-9999.00	-9999.00	18450.00	-.03	263.00	2725.00	34.00	-39.00	4.80
453956	10.00	-5.00	121.00	-9999.00	-9999.00	-9999.00	40840.00	-.07	582.00	4229.00	40.00	-63.00	8.40
453957	5.00	-5.00	126.00	-9999.00	-9999.00	-9999.00	17820.00	-.03	283.00	2316.00	35.00	-45.00	4.20
453958	9.00	-5.00	233.00	-9999.00	-9999.00	-9999.00	45550.00	.24	504.00	2174.00	61.00	-83.00	9.40
453959	5.00	-5.00	153.00	-9999.00	-9999.00	-9999.00	40710.00	-.09	608.00	-763.00	47.00	-93.00	8.00

WAINWRIGHT LAKE SEDIMENT

PG. THREE - SAMPLE SET 3

SAMPLE NO.	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HF PPM	K PPM	LA PPM	LU PPM	MG PPM	MN PPM	NA PPM	ND PPM
453902	105.00	-.70	2.00	.90	8851.00	4.40	6717.00	17.00	.10	2012.00	77.00	6515.00	-13.00
453903	117.00	-1.30	2.00	.60	9257.00	4.60	5596.00	11.00	.20	2813.00	141.00	6149.00	-26.00
453904	-16.00	-2.50	-2.00	-.50	6167.00	-1.90	-5881.00	-14.00	-.20	-2492.00	576.00	773.00	-69.00
453905	34.00	-2.70	-1.00	-.40	32890.00	-1.70	-4747.00	-9.00	-.20	-1889.00	757.00	-1752.00	-55.00
453906	155.00	-1.40	4.00	.50	16890.00	9.10	8672.00	24.00	.30	-1779.00	274.00	12010.00	-26.00
453907	432.00	-1.30	2.00	-.30	11630.00	4.40	-2479.00	10.00	-.10	-1918.00	113.00	4308.00	-29.00
453908	-14.00	-2.50	-1.00	-.40	35190.00	-1.60	-3066.00	-9.00	-.20	-1584.00	115.00	1310.00	-28.00
453909	105.00	-.70	2.00	.60	10680.00	2.70	3905.00	12.00	.10	1580.00	80.00	4913.00	-13.00
453910	71.00	-3.70	3.00	-.60	41170.00	-2.50	-5076.00	-13.00	-.20	-2416.00	261.00	2067.00	-71.00
453911	163.00	-.70	2.00	.50	9940.00	2.40	4167.00	15.00	.10	1952.00	118.00	4862.00	-15.00
453912	206.00	-1.10	3.00	1.00	23350.00	8.00	6171.00	17.00	.30	3452.00	143.00	9241.00	-23.00
453913	-25.00	-3.60	-1.00	-.70	25620.00	-2.50	-4142.00	-15.00	-.30	-2038.00	283.00	955.00	-82.00
453914	104.00	-.90	2.00	.60	10170.00	2.80	4590.00	11.00	.10	-997.00	82.00	5636.00	-17.00
453915	137.00	-1.40	3.00	.90	20340.00	2.80	6683.00	22.00	.20	3213.00	92.00	5215.00	-24.00
453916	68.00	-2.90	3.00	-.40	49860.00	8.30	12220.00	-11.00	.50	4713.00	252.00	3653.00	-61.00
453917	158.00	-1.30	2.00	.50	10380.00	2.70	4255.00	12.00	.20	2073.00	97.00	4418.00	-24.00
453918	1081.00	-.80	3.00	.70	10170.00	17.80	4241.00	25.00	.40	2719.00	121.00	8541.00	-15.00
453919	60.00	-.60	2.00	.50	8727.00	1.70	3952.00	13.00	.10	1689.00	95.00	4992.00	-11.00
453920	41.00	-2.10	-1.00	-.40	28140.00	-1.40	-3309.00	-9.00	-.10	-1559.00	238.00	2087.00	-50.00
453921	37.00	-2.60	-1.00	-.50	10760.00	-2.10	-3899.00	-11.00	-.20	-1503.00	257.00	1359.00	-59.00
453923	50.00	-2.70	5.00	1.50	56610.00	-1.60	-5163.00	-8.00	.20	-2247.00	632.00	2496.00	-55.00
453924	803.00	-.70	2.00	.80	11390.00	8.40	4380.00	18.00	.20	-784.00	142.00	5434.00	-15.00
453925	40.00	-2.90	3.00	1.20	71310.00	-2.00	-4310.00	-10.00	-.20	-1765.00	539.00	1433.00	-72.00
453926	138.00	-2.00	2.00	-.40	19290.00	-1.40	-3033.00	-7.00	-.10	-1395.00	122.00	2746.00	-39.00
453927	-10.00	-1.40	1.00	-.30	7103.00	-1.10	-3079.00	-7.00	-.10	-1487.00	249.00	1509.00	-32.00
453928	105.00	-2.30	2.00	.60	34130.00	-1.50	-3504.00	-9.00	.20	-1727.00	285.00	3270.00	-54.00
453929	101.00	-2.10	3.00	.90	19530.00	4.50	8470.00	-9.00	.20	3065.00	153.00	6510.00	-36.00
453931	39.00	-1.90	-1.00	-.40	16210.00	-1.30	-3809.00	-7.00	-.10	-1718.00	300.00	1874.00	-39.00
453932	59.00	-3.70	3.00	1.20	55190.00	-2.30	-5855.00	-12.00	.40	-2395.00	661.00	2086.00	-82.00
453933	75.00	3.90	6.00	1.50	242700.00	4.90	-6693.00	34.00	.50	-2759.00	3414.00	4892.00	-63.00
453936	27.00	-.70	1.00	.30	15870.00	1.00	-1212.00	8.00	.10	-974.00	146.00	1736.00	-17.00
453938	162.00	-1.20	4.00	.80	18920.00	11.70	-2475.00	26.00	.40	5188.00	218.00	10460.00	-22.00
453939	50.00	-2.90	-1.00	-.40	21420.00	-1.60	-3048.00	-10.00	-.20	-1664.00	92.00	3153.00	-56.00
453941	77.00	-1.30	3.00	.90	13110.00	3.20	7062.00	17.00	.20	3515.00	115.00	6681.00	-23.00
453942	93.00	-1.90	3.00	.70	25930.00	2.50	6182.00	-6.00	.20	3612.00	141.00	3354.00	-34.00
453944	88.00	2.70	4.00	.90	26390.00	4.00	10250.00	20.00	.30	4654.00	402.00	8152.00	-29.00
453945	122.00	-1.20	5.00	.90	16710.00	10.60	6757.00	27.00	.40	5628.00	153.00	11430.00	-22.00
453947	215.00	-.90	2.00	.50	10100.00	3.40	3814.00	14.00	.10	2291.00	80.00	5738.00	-15.00
453948	65.00	-.60	1.00	.50	11740.00	1.70	3303.00	12.00	.10	-604.00	76.00	4418.00	-13.00
453949	721.00	-.70	2.00	.80	8210.00	12.20	4460.00	20.00	.20	2189.00	92.00	6274.00	-13.00
453950	78.00	-.70	2.00	.50	8951.00	2.70	3381.00	12.00	.10	1498.00	57.00	5443.00	-12.00
453951	290.00	-.70	2.00	.50	6202.00	5.50	5235.00	12.00	.20	1529.00	63.00	6238.00	-13.00
453952	507.00	-.60	2.00	.60	8236.00	9.70	4457.00	16.00	.10	1516.00	81.00	4332.00	-11.00
453953	128.00	-1.90	5.00	1.10	23790.00	8.30	10490.00	28.00	.40	5791.00	146.00	8799.00	-38.00
453954	91.00	3.00	4.00	.90	30420.00	4.10	11610.00	19.00	.30	5327.00	367.00	5485.00	-37.00
453955	-313.00	-.70	1.00	.40	9403.00	3.50	5292.00	16.00	.10	1200.00	120.00	5301.00	-13.00
453956	107.00	-1.40	4.00	.90	21920.00	4.00	8667.00	24.00	.20	4263.00	190.00	7228.00	-26.00
453957	160.00	-.70	2.00	.60	9146.00	4.10	4996.00	14.00	.20	1357.00	90.00	5573.00	-13.00
453958	113.00	3.80	4.00	1.40	20010.00	7.70	10380.00	23.00	.30	3975.00	319.00	11490.00	59.00
453959	76.00	-1.80	4.00	1.00	31270.00	4.60	8579.00	23.00	-.10	5027.00	711.00	8075.00	-39.00

WAINWRIGHT LAKE SEDIMENT

SAMPLE NO.	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	TH/U RATIO
453902	-1.00	3.60	1.80	-92.00	-1.00	-9999.00	2.30	2095.00	34.00	-.60	-22.00	1.96500
453903	-2.00	4.40	2.50	-190.00	-1.00	-9999.00	4.10	1900.00	45.00	1.40	-38.00	2.95000
453904	-3.00	-.20	-1.00	-497.00	-4.00	-1.00	-1.90	-9999.00	-12.00	-2.50	-81.00	0.00000
453905	-3.00	4.80	1.40	-374.00	-3.00	-1.00	3.70	-9999.00	43.00	-2.20	-76.00	3.86100
453906	-2.00	7.40	2.90	-205.00	-1.00	-9999.00	4.40	3359.00	65.00	1.90	114.00	2.09600
453907	-2.00	3.50	2.10	-192.00	-2.00	-9999.00	2.30	1809.00	43.00	-1.30	-31.00	2.03700
453908	-3.00	2.60	-.80	-236.00	-3.00	-1.00	2.30	-9999.00	-6.00	-2.10	133.00	4.60800
453909	-1.00	2.60	2.00	-75.00	-1.00	-9999.00	2.50	1534.00	34.00	1.10	-20.00	2.46000
453910	-4.00	9.90	-1.20	-354.00	-4.00	-1.00	-2.70	1596.00	14.00	-3.10	-123.00	0.00000
453911	-1.00	2.90	1.90	-118.00	-1.00	-9999.00	2.60	1779.00	36.00	1.50	189.00	2.65300
453912	-1.00	6.30	3.70	-131.00	-1.00	-9999.00	5.90	3360.00	61.00	2.50	-51.00	3.12500
453913	-4.00	2.20	-1.30	-356.00	-4.00	-1.00	-2.90	-9999.00	-9.00	-3.70	-109.00	0.00000
453914	-1.00	3.90	1.80	-108.00	-1.00	-9999.00	3.10	1999.00	38.00	-.90	-29.00	2.67400
453915	-2.00	6.40	3.30	-155.00	-2.00	-9999.00	5.80	1965.00	65.00	2.20	85.00	3.86100
453916	-3.00	9.90	4.50	-267.00	-3.00	-1.00	8.70	2011.00	87.00	-2.10	170.00	4.54500
453917	-2.00	3.10	2.30	-125.00	-2.00	-9999.00	3.70	1475.00	37.00	-1.00	-31.00	3.93700
453918	-1.00	4.60	3.50	-114.00	-1.00	-9999.00	5.10	4191.00	49.00	2.90	-24.00	2.41500
453919	-1.00	3.00	1.90	-91.00	-9999.00	-9999.00	2.50	1671.00	31.00	-.50	30.00	2.97400
453920	-3.00	3.60	1.60	-261.00	-3.00	-1.00	-1.60	-9999.00	35.00	-1.90	-67.00	0.00000
453921	-4.00	3.90	-1.00	-284.00	-3.00	-1.00	-2.30	-9999.00	55.00	-2.80	-94.00	0.00000
453923	-3.00	7.10	3.80	-419.00	-3.00	-1.00	5.90	2088.00	85.00	2.80	-75.00	2.92400
453924	-1.00	3.60	3.00	-100.00	-1.00	-9999.00	3.90	2228.00	42.00	1.70	-75.00	2.89000
453925	-4.00	3.80	3.40	-337.00	-4.00	-1.00	2.90	-9999.00	45.00	-2.80	-90.00	2.37500
453926	-3.00	4.10	-.70	-205.00	-3.00	-1.00	-1.50	1413.00	49.00	-1.80	-74.00	0.00000
453927	-2.00	2.10	-.50	-270.00	-2.00	-9999.00	-1.10	-9999.00	20.00	-1.40	-50.00	0.00000
453928	-3.00	4.20	2.80	-280.00	-3.00	-1.00	4.30	-9999.00	37.00	-2.00	-76.00	4.39600
453929	-3.00	6.10	3.50	-188.00	-2.00	-1.00	5.20	2903.00	60.00	2.90	159.00	3.15500
453931	-2.00	2.90	-.70	-323.00	-3.00	-1.00	-1.40	-9999.00	37.00	-1.80	-58.00	0.00000
453932	-4.00	10.40	5.60	-440.00	-4.00	-1.00	8.50	1755.00	90.00	-2.70	305.00	3.87600
453933	6.00	21.40	7.30	-478.00	-3.00	1.00	9.70	2584.00	124.00	5.40	375.00	1.70100
453936	-1.00	2.40	1.60	-92.00	-1.00	-9999.00	1.70	449.00	32.00	-.60	-26.00	2.10100
453938	-2.00	6.80	3.60	-164.00	-1.00	-9999.00	5.90	3709.00	63.00	3.40	-34.00	2.41500
453939	-3.00	6.10	2.80	-213.00	-3.00	-1.00	3.20	1214.00	48.00	-2.70	-99.00	2.83300
453941	-2.00	7.10	3.10	-137.00	-1.00	-9999.00	4.30	2644.00	64.00	-1.30	-39.00	2.54500
453942	-2.00	6.30	2.80	-167.00	-1.00	-1.00	5.20	1600.00	65.00	-1.70	70.00	3.77400
453944	-2.00	8.20	4.30	-210.00	-2.00	-1.00	5.90	3331.00	99.00	2.80	-113.00	2.51900
453945	-1.00	6.70	4.50	-148.00	-1.00	-9999.00	6.90	4183.00	61.00	3.90	-67.00	2.93300
453947	-1.00	4.00	1.90	-89.00	-1.00	-9999.00	2.90	1664.00	45.00	1.00	-148.00	2.26800
453948	-1.00	2.80	1.50	-71.00	-1.00	-9999.00	2.50	1623.00	34.00	-.60	34.00	2.68900
453949	-1.00	3.60	3.20	-86.00	-1.00	-9999.00	3.70	2726.00	36.00	1.90	35.00	2.40400
453950	-1.00	2.70	1.90	-85.00	-1.00	-9999.00	2.90	1594.00	32.00	1.30	35.00	3.25700
453951	-1.00	3.20	-2.40	-84.00	-1.00	-9999.00	2.80	1957.00	33.00	1.20	-142.00	2.33100
453952	-1.00	2.90	2.00	-69.00	-1.00	-9999.00	2.80	2094.00	32.00	1.60	-18.00	2.52500
453953	-2.00	10.10	5.70	-184.00	-1.00	-1.00	7.60	4250.00	85.00	4.20	107.00	2.89000
453954	-3.00	9.80	4.40	-248.00	-1.00	-1.00	7.40	3031.00	105.00	-1.80	-98.00	3.62300
453955	-1.00	3.50	2.20	-88.00	-1.00	-9999.00	2.80	2022.00	36.00	1.50	-98.00	2.63900
453956	-2.00	8.10	3.40	-147.00	-1.00	-9999.00	5.50	3106.00	86.00	2.70	79.00	2.74000
453957	-1.00	3.20	2.50	-87.00	-1.00	-9999.00	3.30	1812.00	33.00	1.20	51.00	3.17500
453958	-2.00	7.70	4.90	-217.00	-2.00	-9999.00	6.60	3832.00	70.00	3.10	-55.00	2.63900
453959	-2.00	8.00	2.60	-194.00	-2.00	-1.00	5.50	2957.00	84.00	-1.40	-335.00	2.66700

WAINWRIGHT LAKE SEDIMENT

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
453960	70.1008	160.0961	6.	165.0	-9999.	1.78	-5.00	-5.00	-5.00	16.00	-20.00	21.00	-5.00	-10.00	-15.00
453961	70.0972	159.9583	7.	24.0	-9999.	1.06	-5.00	5.00	-5.00	23.00	-20.00	27.00	-5.00	-10.00	-15.00
453962	70.1008	159.7942	7.	24.0	-9999.	1.37	-5.00	-5.00	-5.00	20.00	-20.00	28.00	-5.00	-10.00	-15.00
453963	70.1019	159.7086	7.	50.0	-9999.	1.97	-5.00	-5.00	-5.00	20.00	-20.00	27.00	-5.00	-10.00	-15.00
453964	70.0917	159.5531	7.	18.0	-9999.	2.58	-5.00	-5.00	-5.00	34.00	-20.00	37.00	9.00	-10.00	-15.00
453965	70.0975	159.4683	7.	18.0	-9999.	2.07	-5.00	-5.00	-5.00	32.00	-20.00	26.00	-5.00	-10.00	-15.00
453966	70.1067	159.3081	7.	3.0	-9999.	2.55	-5.00	-5.00	-5.00	26.00	-20.00	28.00	6.00	-10.00	-15.00
453967	70.1228	159.2267	7.	30.0	-9999.	1.65	-5.00	-5.00	-5.00	25.00	-20.00	-15.00	-5.00	-10.00	-15.00
453968	70.1114	159.0706	7.	8.0	-9999.	2.79	-5.00	-5.00	-5.00	15.00	-20.00	16.00	-5.00	-10.00	-15.00
453969	70.0644	159.1069	8.	55.0	-9999.	.81	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00
453970	70.0592	159.2361	7.	35.0	-9999.	2.35	-5.00	-5.00	-5.00	32.00	-20.00	20.00	-5.00	-10.00	-15.00
453971	70.0619	159.2847	8.	5.0	-9999.	1.59	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
453972	70.0561	159.3869	7.	30.0	-9999.	2.97	-5.00	6.00	-5.00	23.00	-20.00	24.00	6.00	-10.00	-15.00
453973	70.0625	159.5008	7.	85.0	-9999.	2.40	-5.00	-5.00	-5.00	28.00	-20.00	25.00	-5.00	-10.00	-15.00
453974	70.0569	159.6231	7.	94.0	-9999.	1.82	-5.00	-5.00	-5.00	19.00	-20.00	-15.00	-5.00	-10.00	-15.00
453975	70.0622	159.7539	7.	24.0	-9999.	2.86	-5.00	6.00	-5.00	27.00	-20.00	42.00	11.00	-10.00	-15.00
453976	70.0683	159.9350	7.	21.0	-9999.	2.26	-5.00	-5.00	-5.00	23.00	-20.00	22.00	7.00	-10.00	-15.00
453977	70.0569	160.0628	7.	39.0	-9999.	1.82	-5.00	-5.00	-5.00	20.00	-20.00	-15.00	-5.00	-10.00	-15.00
453978	70.0478	160.1494	7.	3.0	-9999.	1.59	-5.00	-5.00	-5.00	20.00	-20.00	17.00	-5.00	-10.00	-15.00
453979	70.0600	160.2822	7.	31.0	-9999.	1.03	-5.00	-5.00	-5.00	24.00	-20.00	20.00	-5.00	-10.00	-15.00
453980	70.0628	160.3889	6.	19.0	-9999.	2.38	-5.00	-5.00	-5.00	33.00	-20.00	-15.00	8.00	-10.00	-15.00
453981	70.0539	160.8739	5.	47.0	-9999.	1.45	-5.00	-5.00	-5.00	24.00	-20.00	32.00	-5.00	-10.00	-15.00
453985	70.0564	160.8122	7.	33.0	-9999.	1.71	-5.00	-5.00	-5.00	34.00	-20.00	28.00	-5.00	-10.00	-15.00
453987	70.0194	160.6308	7.	25.0	-9999.	.18	-5.00	-5.00	-5.00	15.00	-20.00	-15.00	-5.00	-10.00	-15.00
453990	70.0592	160.5686	7.	42.0	-9999.	.61	-5.00	-5.00	-5.00	30.00	-20.00	37.00	-5.00	-10.00	-15.00
453991	70.2314	159.5336	7.	31.0	-9999.	1.31	-5.00	-5.00	-5.00	15.00	-20.00	-15.00	-5.00	-10.00	20.00
453992	70.2442	159.6742	7.	28.0	-9999.	1.36	-5.00	-5.00	-5.00	20.00	-20.00	27.00	5.00	-10.00	-15.00
453993	70.2328	159.8308	7.	443.0	-9999.	2.81	-5.00	-5.00	-5.00	15.00	-20.00	19.00	6.00	-10.00	-15.00
453994	70.2328	159.9703	7.	26.0	-9999.	1.82	-5.00	-5.00	-5.00	20.00	-20.00	-15.00	-5.00	-10.00	-15.00
453995	70.2356	160.0650	7.	34.0	-9999.	1.08	-5.00	-5.00	-5.00	18.00	-20.00	20.00	-5.00	-10.00	-15.00
453996	70.2222	160.2250	7.	28.0	-9999.	1.96	-5.00	-5.00	-5.00	-10.00	-20.00	27.00	-5.00	-10.00	-15.00
453997	70.2342	160.3328	7.	30.0	-9999.	1.47	-5.00	-5.00	-5.00	15.00	-20.00	32.00	-5.00	-10.00	-15.00
453998	70.2292	160.4500	7.	23.0	-9999.	.78	-5.00	-5.00	-5.00	11.00	-20.00	23.00	-5.00	-10.00	-15.00
453999	70.2261	160.5611	7.	26.0	-9999.	1.88	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	20.00
454000	70.2425	160.6694	7.	31.0	-9999.	1.54	-5.00	-5.00	-5.00	24.00	-20.00	18.00	9.00	-10.00	-15.00
454001	70.1822	159.0469	8.	20.0	-9999.	.83	-5.00	-5.00	-5.00	-10.00	-20.00	18.00	6.00	-10.00	-15.00
454002	70.1894	159.1394	8.	9.0	-9999.	1.82	-5.00	-5.00	-5.00	-10.00	-20.00	18.00	-5.00	-10.00	-15.00
454003	70.1822	159.2878	8.	7.0	-9999.	1.22	-5.00	-5.00	-5.00	12.00	-20.00	-15.00	-5.00	-10.00	-15.00
454004	70.1817	159.4378	8.	29.0	-9999.	1.17	-5.00	-5.00	-5.00	11.00	-20.00	-15.00	-5.00	-10.00	-15.00
454005	70.1928	159.5086	8.	12.0	-9999.	.98	-5.00	-5.00	-5.00	16.00	-20.00	-15.00	-5.00	-10.00	-15.00
454006	70.1919	159.7186	8.	11.0	-9999.	1.00	-5.00	-5.00	-5.00	10.00	-20.00	15.00	-5.00	-10.00	-15.00
454007	70.1833	159.8356	8.	31.0	-9999.	.86	-5.00	-5.00	-5.00	14.00	-20.00	19.00	-5.00	-10.00	-15.00
454008	70.1758	159.8875	8.	31.0	-9999.	1.44	-5.00	-5.00	-5.00	29.00	-20.00	-15.00	5.00	-10.00	-15.00
454009	70.1792	160.0922	7.	31.0	-9999.	2.07	-5.00	-5.00	-5.00	32.00	-20.00	24.00	-5.00	-10.00	-15.00
454010	70.1806	160.1547	7.	31.0	-9999.	1.01	-5.00	-5.00	-5.00	17.00	-20.00	-15.00	-5.00	-10.00	-15.00
454011	70.1825	160.3622	7.	9.0	-9999.	2.74	-5.00	7.00	-5.00	-10.00	-20.00	-15.00	9.00	-10.00	-15.00
454012	70.1903	160.4619	7.	19.0	-9999.	1.34	-5.00	-5.00	-5.00	17.00	-20.00	-15.00	-5.00	-10.00	-15.00
454013	70.1781	160.5994	7.	19.0	-9999.	2.68	-5.00	-5.00	-5.00	20.00	-20.00	25.00	-5.00	-10.00	-15.00
454014	70.1783	160.6536	7.	89.0	-9999.	2.09	-5.00	-5.00	-5.00	-10.00	-20.00	22.00	-5.00	-10.00	-15.00
454015	70.2011	160.8592	7.	29.0	-9999.	2.11	-5.00	-5.00	-5.00	17.00	-20.00	16.00	10.00	-10.00	-15.00

WAINWRIGHT LAKE SEDIMENT

SAMPLE NO.	AS PPM	SE PPM	ZR PPM	MO PPM	BE PPM	LI PPM	AL PPM	AU PPM	NA PPM	CA PPM	CE PPM	CL PPM	CF PPM
453960	5.00	-5.00	310.00	-9999.00	-9999.00	-9999.00	23770.00	-.04	352.00	12310.00	38.00	-46.00	7.10
453961	12.00	-5.00	65.00	-9999.00	-9999.00	-9999.00	21410.00	-.10	344.00	6349.00	19.00	823.00	6.40
453962	15.00	-5.00	75.00	-9999.00	-9999.00	-9999.00	27700.00	-.08	396.00	7055.00	33.00	362.00	11.00
453963	11.00	-5.00	157.00	-9999.00	-9999.00	-9999.00	36260.00	-.07	391.00	7607.00	47.00	-75.00	10.70
453964	14.00	-5.00	200.00	-9999.00	-9999.00	-9999.00	56950.00	-.07	456.00	5279.00	54.00	-91.00	12.60
453965	9.00	-5.00	87.00	-9999.00	-9999.00	-9999.00	35880.00	-.13	502.00	-1427.00	40.00	286.00	7.30
453966	10.00	-5.00	197.00	-9999.00	-9999.00	-9999.00	50580.00	-.09	444.00	4027.00	64.00	-91.00	11.20
453967	8.00	-5.00	111.00	-9999.00	-9999.00	-9999.00	30670.00	-.06	404.00	-576.00	35.00	-55.00	7.10
453968	7.00	-5.00	566.00	-9999.00	-9999.00	-9999.00	24860.00	-.05	369.00	4477.00	64.00	-59.00	6.20
453969	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	-9999.00	15450.00	-.07	271.00	9032.00	17.00	274.00	7.30
453970	12.00	-5.00	110.00	-9999.00	-9999.00	-9999.00	45540.00	-.13	600.00	-905.00	44.00	-103.00	11.10
453971	14.00	-5.00	243.00	-9999.00	-9999.00	-9999.00	20830.00	-.04	343.00	2445.00	43.00	-43.00	9.80
453972	13.00	-5.00	209.00	-9999.00	-9999.00	-9999.00	51580.00	-.06	619.00	3975.00	65.00	-64.00	9.70
453973	14.00	-5.00	217.00	-9999.00	-9999.00	-9999.00	54230.00	-.07	435.00	3604.00	64.00	-94.00	8.50
453974	-5.00	-5.00	298.00	-9999.00	-9999.00	-9999.00	27230.00	-.05	339.00	2997.00	46.00	-54.00	4.40
453975	19.00	-5.00	270.00	-9999.00	-9999.00	-9999.00	52930.00	-.08	631.00	-665.00	54.00	-96.00	13.60
453976	5.00	-5.00	252.00	-9999.00	-9999.00	-9999.00	41650.00	-.06	434.00	2690.00	41.00	-72.00	7.10
453977	11.00	-5.00	198.00	-9999.00	-9999.00	-9999.00	30270.00	-.05	327.00	4166.00	41.00	-70.00	6.40
453978	7.00	-5.00	145.00	-9999.00	-9999.00	-9999.00	29740.00	-.05	380.00	3260.00	42.00	-57.00	7.00
453979	5.00	-5.00	41.00	-9999.00	-9999.00	-9999.00	13270.00	-.16	-248.00	-2535.00	-13.00	-119.00	-3.40
453980	6.00	-5.00	213.00	-9999.00	-9999.00	-9999.00	42220.00	-.07	464.00	5011.00	45.00	-76.00	8.50
453981	9.00	-5.00	138.00	-9999.00	-9999.00	-9999.00	23540.00	-.09	366.00	4819.00	30.00	613.00	5.20
453985	18.00	-5.00	61.00	-9999.00	-9999.00	-9999.00	39090.00	-.14	791.00	11550.00	54.00	203.00	13.30
453987	5.00	-5.00	23.00	-9999.00	-9999.00	-9999.00	3800.00	-.14	-189.00	-1953.00	-10.00	473.00	-2.90
453990	10.00	-5.00	33.00	-9999.00	-9999.00	-9999.00	9233.00	-.13	-289.00	-1693.00	-10.00	533.00	1.80
453991	-5.00	-5.00	120.00	-9999.00	-9999.00	-9999.00	18000.00	-.03	333.00	5877.00	40.00	-38.00	4.40
453992	10.00	-5.00	39.00	-9999.00	-9999.00	-9999.00	21960.00	-.11	530.00	-1369.00	42.00	528.00	13.10
453993	11.00	-5.00	441.00	-9999.00	-9999.00	-9999.00	33940.00	-.06	300.00	3921.00	71.00	211.00	15.70
453994	-5.00	-5.00	166.00	-9999.00	-9999.00	-9999.00	29880.00	-.10	320.00	-816.00	38.00	218.00	5.90
453995	-5.00	-5.00	44.00	-9999.00	-9999.00	-9999.00	17480.00	-.13	350.00	-1477.00	20.00	420.00	6.80
453996	-5.00	-5.00	187.00	-9999.00	-9999.00	-9999.00	29150.00	-.07	354.00	-661.00	46.00	168.00	5.50
453997	29.00	-5.00	47.00	-9999.00	-9999.00	-9999.00	23660.00	-.15	727.00	9332.00	43.00	473.00	16.30
453998	17.00	-5.00	36.00	-9999.00	-9999.00	-9999.00	11580.00	-.10	285.00	-1236.00	-7.00	427.00	14.40
453999	-5.00	-5.00	504.00	-9999.00	-9999.00	-9999.00	21350.00	-.04	325.00	4031.00	55.00	443.00	8.10
454000	6.00	-5.00	41.00	-9999.00	-9999.00	-9999.00	23830.00	-.16	-208.00	-2286.00	36.00	812.00	-3.20
454001	16.00	-5.00	45.00	-9999.00	-9999.00	-9999.00	15970.00	-.09	303.00	8976.00	19.00	234.00	6.70
454002	8.00	-5.00	117.00	-9999.00	-9999.00	-9999.00	32630.00	-.08	327.00	-761.00	36.00	-70.00	6.90
454003	-5.00	-5.00	137.00	-9999.00	-9999.00	-9999.00	17900.00	-.03	337.00	2476.00	43.00	-39.00	3.80
454004	-5.00	-5.00	86.00	-9999.00	-9999.00	-9999.00	23450.00	-.04	327.00	2647.00	34.00	72.00	4.50
454005	5.00	-5.00	62.00	-9999.00	-9999.00	-9999.00	18660.00	-.04	319.00	2731.00	28.00	-65.00	2.80
454006	6.00	-5.00	43.00	-9999.00	-9999.00	-9999.00	19590.00	-.15	-159.00	-2064.00	28.00	349.00	-3.00
454007	-5.00	-5.00	40.00	-9999.00	-9999.00	-9999.00	16680.00	-.15	470.00	-1845.00	-11.00	386.00	-3.20
454008	-5.00	-5.00	41.00	-9999.00	-9999.00	-9999.00	24090.00	-.14	349.00	-1582.00	25.00	448.00	11.50
454009	10.00	-5.00	52.00	-9999.00	-9999.00	-9999.00	31230.00	-.15	640.00	-1357.00	40.00	391.00	6.90
454010	5.00	-5.00	36.00	-9999.00	-9999.00	-9999.00	11980.00	-.13	-136.00	-1325.00	-10.00	308.00	-2.70
454011	5.00	-5.00	374.00	-9999.00	-9999.00	-9999.00	26540.00	-.04	318.00	2526.00	53.00	-50.00	7.10
454012	5.00	-5.00	52.00	-9999.00	-9999.00	-9999.00	19420.00	-.11	375.00	-1418.00	42.00	377.00	-2.70
454013	7.00	-5.00	99.00	-9999.00	-9999.00	-9999.00	46920.00	-.13	811.00	-901.00	72.00	237.00	10.00
454014	8.00	-5.00	103.00	-9999.00	-9999.00	-9999.00	35440.00	-.10	616.00	7374.00	36.00	301.00	8.30
454015	23.00	-5.00	114.00	-9999.00	-9999.00	-9999.00	44040.00	-.08	485.00	-642.00	51.00	262.00	8.20

WAINWRIGHT LAKE SEDIMENT

SAMPLE NO.	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HF PPM	K PPM	LA PPM	LU PPM	MG PPM	MN PPM	NA PPM	PB PPM
453960	566.00	-.70	3.00	.80	13990.00	9.40	6744.00	19.00	.30	4314.00	218.00	6545.00	-14.00
453961	54.00	-2.00	-1.00	-.30	19630.00	2.40	-3283.00	-9.00	-.10	-1749.00	136.00	3633.00	-43.00
453962	56.00	-1.70	3.00	.90	19210.00	2.60	5801.00	-5.00	.20	2776.00	214.00	5147.00	-34.00
453963	136.00	-1.40	3.00	1.00	22660.00	6.20	6469.00	25.00	.20	5064.00	414.00	8024.00	-27.00
453964	113.00	2.80	6.00	1.10	32300.00	6.20	14580.00	20.00	.40	5746.00	287.00	11670.00	-29.00
453965	106.00	-2.60	4.00	-.40	20660.00	2.40	5543.00	19.00	.40	-2063.00	171.00	3934.00	-55.00
453966	122.00	3.00	5.00	1.40	20990.00	7.40	12590.00	29.00	.40	4454.00	226.00	10730.00	-35.00
453967	165.00	-1.10	2.00	.70	18600.00	3.30	7234.00	19.00	.20	3025.00	183.00	6102.00	-22.00
453968	893.00	-1.00	4.00	1.10	12330.00	22.50	6059.00	29.00	.30	2314.00	172.00	7818.00	-18.00
453969	47.00	-1.40	2.00	.50	21540.00	-.80	3142.00	-5.00	-.10	-1128.00	220.00	1818.00	-33.00
453970	85.00	-2.70	5.00	1.10	21920.00	4.20	11810.00	-8.00	.30	5898.00	171.00	6724.00	-47.00
453971	756.00	-.90	2.00	.70	29580.00	9.00	5316.00	16.00	.20	1961.00	348.00	4705.00	-19.00
453972	149.00	3.20	5.00	1.00	21340.00	7.00	12480.00	28.00	.30	4390.00	243.00	8615.00	62.00
453973	128.00	3.70	5.00	1.20	21230.00	7.90	10950.00	30.00	.40	4572.00	148.00	13310.00	49.00
453974	226.00	1.30	3.00	.70	10660.00	9.60	5842.00	20.00	.30	2052.00	90.00	9161.00	-17.00
453975	152.00	3.10	4.00	1.10	30880.00	8.20	11260.00	31.00	.20	3563.00	498.00	12560.00	-29.00
453976	151.00	2.00	4.00	.80	19760.00	8.30	9422.00	21.00	.30	4263.00	150.00	10440.00	-23.00
453977	120.00	-1.00	3.00	.90	13340.00	7.60	6465.00	19.00	.20	2783.00	107.00	10400.00	-20.00
453978	97.00	-.90	2.00	.70	11760.00	4.70	6995.00	16.00	.20	3528.00	107.00	9589.00	-17.00
453979	-20.00	-3.30	-2.00	-.60	27420.00	-2.30	-5691.00	-16.00	-.20	-2485.00	521.00	1481.00	-74.00
453980	115.00	2.20	4.00	.80	19740.00	6.70	8676.00	22.00	.30	4327.00	162.00	9585.00	-25.00
453981	90.00	-1.70	3.00	-.30	16070.00	5.40	-2865.00	-7.00	-.10	-1783.00	113.00	5966.00	-42.00
453985	81.00	-3.00	4.00	1.00	35830.00	3.50	-4220.00	-10.00	-.20	4218.00	245.00	2348.00	-67.00
453987	-16.00	-2.30	-1.00	-.50	8953.00	-1.70	-2558.00	-12.00	-.20	-1363.00	67.00	601.00	-86.00
453990	-16.00	-2.60	-2.00	-.40	12940.00	-1.70	-6724.00	-12.00	-.20	-2463.00	1034.00	1040.00	-55.00
453991	598.00	-.60	2.00	.70	9797.00	7.50	4193.00	15.00	.20	1998.00	143.00	5273.00	-11.00
453992	60.00	-2.40	-1.00	.80	39810.00	-1.50	-3477.00	-9.00	-.10	-1609.00	247.00	1835.00	-52.00
453993	467.00	-1.20	4.00	1.10	28420.00	16.50	9985.00	22.00	.30	3996.00	438.00	9789.00	-21.00
453994	220.00	-1.90	3.00	.80	19150.00	7.50	-2739.00	-6.00	-.10	3310.00	137.00	6261.00	-38.00
453995	42.00	-2.40	-1.00	.70	23820.00	-1.70	-3651.00	-11.00	-.20	-1676.00	201.00	2215.00	-54.00
453996	105.00	-1.40	3.00	.80	12820.00	9.20	6636.00	20.00	.30	-1675.00	88.00	9633.00	-28.00
453997	64.00	-2.90	3.00	.80	50350.00	2.70	-3846.00	-9.00	.30	-1779.00	281.00	1724.00	-66.00
453998	39.00	-2.10	2.00	.60	62670.00	-1.30	-2436.00	-6.00	-.10	-1126.00	164.00	1842.00	-53.00
453999	2928.00	-.90	3.00	.80	10980.00	15.40	4187.00	25.00	.30	2580.00	192.00	4525.00	-15.00
454000	60.00	-3.30	3.00	-.60	30120.00	-2.30	-4730.00	-16.00	-.20	-2546.00	257.00	2448.00	-71.00
454001	42.00	-1.70	2.00	.70	49650.00	-1.10	-1953.00	-6.00	-.10	1980.00	139.00	2128.00	-39.00
454002	112.00	-1.90	3.00	.90	19160.00	4.20	6308.00	-5.00	.30	-1347.00	125.00	6965.00	-20.00
454003	528.00	-.70	2.00	.60	8720.00	5.40	4391.00	20.00	.20	2129.00	102.00	4628.00	-13.00
454004	108.00	1.40	2.00	.70	9814.00	3.60	4237.00	18.00	.20	-920.00	82.00	6388.00	-16.00
454005	98.00	-.80	2.00	.50	6838.00	2.40	4085.00	13.00	.20	1696.00	65.00	5510.00	-14.00
454006	-19.00	-2.80	-1.00	-.50	26700.00	-1.80	-3341.00	-12.00	-.20	-1803.00	115.00	3324.00	-61.00
454007	35.00	-2.90	-1.00	-.50	19670.00	-2.00	-4984.00	-14.00	-.20	-2206.00	324.00	2005.00	-67.00
454008	54.00	-2.80	3.00	.50	25120.00	-1.60	-5034.00	-12.00	-.20	5669.00	517.00	1321.00	-80.00
454009	-19.00	-2.90	3.00	.90	21850.00	-2.00	8666.00	-9.00	-.20	3762.00	147.00	2661.00	-91.00
454010	-15.00	-2.50	2.00	-.50	20890.00	-1.80	-2745.00	-11.00	-.20	-1561.00	107.00	1625.00	-56.00
454011	1022.00	1.40	3.00	.90	16410.00	19.20	7020.00	26.00	.30	2213.00	217.00	8067.00	-16.00
454012	122.00	-2.30	4.00	1.00	18340.00	2.80	-2842.00	-10.00	-.20	-1622.00	78.00	2537.00	-50.00
454013	72.00	-2.70	6.00	1.30	25930.00	4.00	8025.00	-8.00	.40	-1824.00	162.00	5249.00	-49.00
454014	65.00	-2.00	4.00	.90	25740.00	2.80	5598.00	-7.00	.40	3542.00	232.00	6659.00	-39.00
454015	128.00	-1.80	5.00	1.20	20550.00	4.60	9510.00	21.00	.20	-1509.00	121.00	8874.00	-31.00

WAINWRIGHT LAKE SEDIMENT

PG. FINE - SAMPLE SET

SAMPLE NO.	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	TH/U RATIO
453960	-1.00	4.70	3.30	-106.00	-1.00	-9999.00	4.30	2899.00	92.00	1.90	35.00	2.41500
453961	-3.00	4.20	2.20	-218.00	-3.00	-1.00	3.30	1661.00	38.00	-1.90	-47.00	3.11500
453967	-2.00	5.60	2.90	-214.00	-2.00	-1.00	4.80	2105.00	51.00	2.10	182.00	3.50900
453963	-2.00	7.70	2.50	-196.00	-2.00	-9999.00	5.10	2931.00	64.00	2.90	-43.00	2.59100
453964	-2.00	11.20	4.60	-231.00	-2.00	-1.00	7.20	4421.00	114.00	3.10	141.00	2.79300
453965	-3.00	8.20	3.80	-256.00	-3.00	-1.00	6.10	2489.00	79.00	-2.10	-65.00	2.95000
453966	-2.00	9.50	5.60	-225.00	-1.00	-1.00	9.30	4024.00	93.00	3.60	99.00	3.65000
453967	-2.00	6.20	2.40	-136.00	-1.00	-9999.00	4.00	2444.00	52.00	1.80	-35.00	2.42100
453968	-1.00	5.20	4.30	-124.00	-1.00	-9999.00	5.90	4419.00	52.00	3.40	40.00	2.11400
453969	-2.00	4.40	1.90	-180.00	-2.00	-9999.00	3.30	974.00	33.00	-1.30	199.00	4.08200
453970	-4.00	9.10	4.00	-263.00	-3.00	-1.00	6.90	3273.00	94.00	2.50	-61.00	2.93300
453971	-1.00	5.50	2.40	-130.00	-1.00	-9999.00	3.90	1961.00	48.00	1.80	-27.00	2.45100
453972	-2.00	10.10	3.70	-150.00	-1.00	-9999.00	7.60	3865.00	101.00	3.30	85.00	2.55800
453973	-2.00	11.10	4.80	-175.00	-2.00	-9999.00	8.90	4428.00	102.00	4.40	108.00	3.70400
453974	-1.00	4.20	3.90	-120.00	-1.00	-9999.00	5.10	3037.00	68.00	2.30	35.00	2.80100
453975	-2.00	9.60	2.70	-220.00	-2.00	-1.00	7.60	2793.00	86.00	2.10	-46.00	2.66000
453976	-2.00	7.00	3.40	-141.00	-1.00	-9999.00	5.70	3780.00	71.00	-1.10	99.00	2.52500
453977	-1.00	5.20	3.20	-130.00	-1.00	-9999.00	5.70	3338.00	49.00	2.70	39.00	3.13500
453978	-1.00	4.30	3.20	-128.00	-1.00	-9999.00	4.30	2457.00	48.00	1.90	-25.00	2.70300
453979	-5.00	4.00	-1.30	-455.00	-4.00	-1.00	-2.40	-9999.00	35.00	-3.20	-152.00	0.00000
453980	-2.00	7.30	3.30	-157.00	-2.00	-9999.00	5.60	3673.00	74.00	3.70	124.00	2.35300
453981	-3.00	4.40	2.50	-200.00	-2.00	-1.00	4.40	2292.00	61.00	2.30	-59.00	3.03000
453985	-4.00	10.80	4.70	-286.00	-3.00	-1.00	6.20	1992.00	105.00	-2.70	-45.00	3.62300
453987	-3.00	1.20	-1.00	-213.00	-3.00	-1.00	-2.00	-9999.00	-6.00	-2.30	-80.00	0.00000
453990	-3.00	3.40	-1.00	-546.00	-3.00	-1.00	-1.90	-9999.00	-14.00	-2.50	181.00	0.00000
453991	-1.00	3.30	2.60	-84.00	-1.00	-9999.00	3.00	2164.00	36.00	1.80	46.00	2.29800
453992	-3.00	6.10	3.30	-247.00	-3.00	-1.00	4.20	1522.00	57.00	-2.10	-80.00	3.08500
453993	-2.00	6.80	5.00	-193.00	-1.00	-9999.00	6.20	3922.00	74.00	3.60	-76.00	2.20800
453994	-3.00	6.60	2.40	-195.00	-2.00	-1.00	5.20	2526.00	59.00	-1.80	-58.00	2.85700
453995	-3.00	4.60	-.90	-256.00	-4.00	-1.00	3.10	1314.00	42.00	-2.40	-75.00	2.87400
453996	-2.00	5.90	3.50	-169.00	-2.00	-9999.00	6.80	3050.00	50.00	2.90	-43.00	3.47200
453997	-4.00	6.60	3.50	-306.00	-3.00	-1.00	3.60	1534.00	59.00	-2.80	-47.00	2.45100
453998	-3.00	3.60	-.70	-188.00	-2.00	-1.00	-1.60	-9999.00	32.00	-1.90	125.00	0.00000
453999	-1.00	4.60	3.70	-106.00	-1.00	-9999.00	4.50	3270.00	57.00	2.40	24.00	2.39200
454000	-5.00	6.10	3.70	-380.00	-4.00	-1.00	3.00	1757.00	57.00	-3.20	-130.00	1.94900
454001	-2.00	3.70	2.10	-165.00	-2.00	-1.00	2.10	1055.00	44.00	-1.60	-50.00	2.53200
454002	-2.00	6.90	3.30	-158.00	-1.00	-9999.00	3.50	2718.00	68.00	-1.40	-50.00	1.92300
454003	-1.00	3.50	2.90	-83.00	-1.00	-9999.00	3.00	2336.00	36.00	1.50	24.00	2.45700
454004	-1.00	4.00	2.70	-99.00	-1.00	-9999.00	3.50	2092.00	39.00	1.70	24.00	2.99400
454005	-1.00	2.80	2.10	-104.00	-1.00	-9999.00	2.40	1844.00	30.00	1.30	30.00	2.45100
454006	-4.00	4.50	-1.10	-254.00	-4.00	-1.00	-2.10	-9999.00	45.00	-2.70	-116.00	0.00000
454007	-4.00	3.80	-1.20	-358.00	-4.00	-1.00	-2.10	-9999.00	36.00	-3.00	-116.00	0.00000
454008	-4.00	8.20	3.20	-375.00	-4.00	-1.00	4.90	-9999.00	56.00	-2.40	-35.00	3.40100
454009	-4.00	7.50	3.10	-266.00	-4.00	-1.00	4.40	1457.00	88.00	-2.70	-77.00	2.12800
454010	-3.00	3.90	2.10	-220.00	-4.00	-1.00	-1.80	-9999.00	31.00	-2.40	-55.00	0.00000
454011	-1.00	5.00	3.30	-112.00	-1.00	-9999.00	5.00	3722.00	91.00	2.60	50.00	2.23200
454012	-3.00	5.30	4.40	-193.00	-3.00	-1.00	3.50	1698.00	59.00	-2.10	-75.00	2.61100
454013	-4.00	10.70	6.30	-240.00	-2.00	-1.00	8.60	3994.00	115.00	-2.70	-70.00	3.20500
454014	-3.00	7.60	3.10	-230.00	-2.00	-1.00	5.60	2972.00	70.00	-1.70	-61.00	2.68100
454015	-2.00	11.00	5.10	-165.00	-1.00	-1.00	6.20	3591.00	117.00	2.40	129.00	2.94100

WAINWRIGHT LAKE SEDIMENT

SAMPLE NO.	LAT.	LONG.	PH	COND.	SCINT.	URANIUM PPM	SILVER PPM	BISMUTH PPM	CADMIUM PPM	COPPER PPM	MOLYBDENUM PPM	NICKEL PPM	LEAD PPM	TIN PPM	TUNGSTEN PPM
454016	70.2006	160.9797	7.	29.0	-9999.	1.34	-5.00	-5.00	-5.00	13.00	-20.00	-15.00	-5.00	-10.00	-15.00
454017	70.2731	160.3203	8.	18.0	-9999.	1.19	-5.00	-5.00	-5.00	22.00	-20.00	-15.00	5.00	-10.00	-15.00
454018	70.3264	160.1583	7.	76.0	-9999.	1.16	-5.00	-5.00	-5.00	-10.00	-20.00	33.00	-5.00	-10.00	-15.00
454019	70.3636	160.0747	7.	58.0	-9999.	2.10	-5.00	-5.00	-5.00	25.00	-20.00	31.00	15.00	-10.00	-15.00
454020	70.4017	159.8011	7.	71.0	-9999.	1.57	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454021	70.4436	159.7647	8.	68.0	-9999.	.71	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	6.00	-10.00	-15.00
454022	70.5039	159.6625	7.	47.0	-9999.	1.44	-5.00	-5.00	-5.00	14.00	-20.00	-15.00	-5.00	-10.00	-15.00
454023	70.5144	159.5753	7.	33.0	-9999.	.61	-5.00	-5.00	-5.00	-10.00	-20.00	20.00	-5.00	-10.00	-15.00
454024	70.5303	159.5994	7.	87.0	-9999.	1.47	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454025	70.5711	159.5683	8.	68.0	-9999.	1.41	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454026	70.6153	159.5378	7.	75.0	-9999.	1.46	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454027	70.6264	159.3906	7.	88.0	-9999.	2.94	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	5.00	-10.00	-15.00
454028	70.6347	159.3131	7.	49.0	-9999.	1.35	-5.00	-5.00	-5.00	-10.00	-20.00	19.00	6.00	-10.00	-15.00
454029	70.6367	159.1211	7.	90.0	-9999.	1.45	-5.00	-5.00	-5.00	-10.00	-20.00	16.00	-5.00	-10.00	-15.00
454030	70.6392	159.0744	7.	47.0	-9999.	.72	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454031	70.3278	159.0536	7.	18.0	-9999.	1.36	-5.00	-5.00	-5.00	11.00	-20.00	-15.00	-5.00	-10.00	-15.00
454032	70.3225	159.1742	7.	33.0	-9999.	1.17	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454033	70.3197	159.2556	7.	40.0	-9999.	2.33	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	6.00	-10.00	-15.00
454034	70.3181	159.4183	7.	51.0	-9999.	1.80	-5.00	-5.00	-5.00	25.00	-20.00	-15.00	-5.00	-10.00	-15.00
454035	70.3203	159.5344	7.	35.0	-9999.	1.52	-5.00	-5.00	-5.00	17.00	-20.00	15.00	-5.00	-10.00	-15.00
454036	70.3206	159.6897	7.	33.0	-9999.	.85	-5.00	-5.00	-5.00	-10.00	-20.00	21.00	-5.00	-10.00	-15.00
454037	70.3211	159.8017	7.	223.0	-9999.	1.51	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	6.00	-10.00	-15.00
454038	70.3192	159.9342	7.	57.0	-9999.	.62	-5.00	-5.00	-5.00	12.00	-20.00	21.00	-5.00	-10.00	-15.00
454039	70.3042	160.0072	7.	59.0	-9999.	2.11	-5.00	-5.00	-5.00	22.00	-20.00	17.00	6.00	-10.00	-15.00
454040	70.2953	160.0342	7.	49.0	-9999.	.57	-5.00	-5.00	-5.00	11.00	-20.00	16.00	-5.00	-10.00	-15.00
454041	70.0311	159.4153	7.	96.0	-9999.	1.69	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	5.00	-10.00	-15.00
454042	70.0178	159.5822	7.	128.0	-9999.	.40	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454044	70.0308	159.8569	7.	19.0	-9999.	.61	-5.00	-5.00	-5.00	14.00	-20.00	23.00	-5.00	-10.00	-15.00
454046	70.0122	160.0092	7.	83.0	-9999.	2.67	-5.00	-5.00	-5.00	34.00	-20.00	31.00	13.00	-10.00	-15.00
454047	70.0261	160.1294	7.	11.0	-9999.	3.15	-5.00	-5.00	-5.00	13.00	-20.00	26.00	8.00	-10.00	-15.00
454049	70.0092	160.4403	7.	155.0	-9999.	2.60	-5.00	-5.00	-5.00	17.00	-20.00	22.00	-5.00	-10.00	-15.00
454050	70.2358	161.3036	7.	193.0	-9999.	1.39	-5.00	-5.00	-5.00	14.00	-20.00	18.00	-5.00	-10.00	-15.00
454051	70.2233	161.4544	7.	121.0	-9999.	.86	-5.00	-5.00	-5.00	10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454052	70.2267	161.4969	7.	241.0	-9999.	1.09	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454053	70.2247	161.5358	7.	53.0	-9999.	1.38	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454054	70.2325	161.5789	7.	32.0	-9999.	1.14	-5.00	-5.00	-5.00	14.00	-20.00	17.00	-5.00	-10.00	-15.00
454055	70.2450	161.6850	7.	83.0	-9999.	.87	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454056	70.2464	161.7131	7.	210.0	-9999.	1.27	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	6.00	-10.00	-15.00
454057	70.2489	161.8183	7.	120.0	-9999.	1.38	-5.00	-5.00	-5.00	14.00	-20.00	-15.00	7.00	-10.00	-15.00
454058	70.2639	161.9811	7.	130.0	-9999.	1.69	-5.00	-5.00	-5.00	16.00	-20.00	24.00	6.00	-10.00	-15.00
454059	70.2539	161.9119	7.	82.0	-9999.	1.27	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454073	70.1861	161.3797	6.	36.0	-9999.	2.30	-5.00	-5.00	-5.00	35.00	-20.00	33.00	9.00	-10.00	-15.00
454074	70.2014	161.1256	5.	36.0	-9999.	1.39	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454076	70.1933	161.2269	6.	71.0	-9999.	1.52	-5.00	-5.00	-5.00	16.00	-20.00	-15.00	-5.00	-10.00	-15.00
454077	70.2056	161.2964	6.	100.0	-9999.	1.77	-5.00	-5.00	-5.00	-10.00	-20.00	21.00	-5.00	-10.00	-15.00
454078	70.1875	161.3697	6.	190.0	-9999.	1.63	-5.00	-5.00	-5.00	17.00	-20.00	-15.00	-5.00	-10.00	-15.00
454079	70.1864	161.4294	6.	240.0	-9999.	2.28	-5.00	-5.00	-5.00	31.00	-20.00	35.00	5.00	-10.00	-15.00
454080	70.2028	161.4894	6.	65.0	-9999.	.74	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454081	70.1839	161.5575	-9999.	-9999.0	-9999.	3.91	-5.00	-5.00	-5.00	31.00	-20.00	52.00	26.00	-10.00	-15.00
454082	70.2017	161.6033	6.	135.0	-9999.	1.27	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00

WAINWRIGHT LAKE SEDIMENT — PG. TWO — SAMPLE SET 5

SAMPLE NO.	AS PPM	SE PPM	ZR PPM	MO PPM	BE PPM	LI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CR PPM
454016	-5.00	-5.00	123.00	-9999.00	-9999.00	-9999.00	21490.00	-.04	323.00	3225.00	42.00	-50.00	5.70
454017	15.00	-5.00	42.00	-9999.00	-9999.00	-9999.00	18660.00	-.16	323.00	-1706.00	19.00	479.00	-2.40
454018	-5.00	-5.00	74.00	-9999.00	-9999.00	-9999.00	23650.00	-.04	268.00	3557.00	27.00	-44.00	4.90
454019	20.00	-5.00	124.00	-9999.00	-9999.00	-9999.00	41000.00	-.07	490.00	2682.00	45.00	263.00	6.70
454020	6.00	-5.00	220.00	-9999.00	-9999.00	-9999.00	18780.00	-.05	265.00	-442.00	39.00	122.00	-.90
454021	6.00	-5.00	29.00	-9999.00	-9999.00	-9999.00	9923.00	-.20	-217.00	-2273.00	-14.00	1012.00	-3.90
454022	-5.00	-5.00	157.00	-9999.00	-9999.00	-9999.00	25340.00	-.06	288.00	-462.00	34.00	240.00	3.30
454023	-5.00	-5.00	31.00	-9999.00	-9999.00	-9999.00	9689.00	-.11	-138.00	-1295.00	-8.00	403.00	80.80
454024	10.00	-5.00	186.00	-9999.00	-9999.00	-9999.00	18150.00	-.04	305.00	-512.00	39.00	173.00	3.70
454025	-5.00	-5.00	158.00	-9999.00	-9999.00	-9999.00	22000.00	-.04	306.00	2248.00	40.00	-52.00	5.90
454026	6.00	-5.00	149.00	-9999.00	-9999.00	-9999.00	24790.00	-.05	313.00	-429.00	37.00	-53.00	4.70
454027	-5.00	-5.00	459.00	-9999.00	-9999.00	-9999.00	24360.00	-.04	327.00	7446.00	51.00	94.00	5.90
454028	-5.00	-5.00	49.00	-9999.00	-9999.00	-9999.00	19320.00	-.12	282.00	-1396.00	29.00	708.00	-2.50
454029	10.00	-5.00	65.00	-9999.00	-9999.00	-9999.00	25890.00	-.11	357.00	7529.00	29.00	393.00	5.10
[illegible]	-5.00	-5.00	31.00	-9999.00	-9999.00	-9999.00	10970.00	-.14	-167.00	-1732.00	-11.00	659.00	-3.30
[illegible]	-5.00	-5.00	173.00	-9999.00	-9999.00	-9999.00	21850.00	-.04	349.00	1825.00	39.00	-47.00	3.40
[illegible]	-5.00	-5.00	142.00	-9999.00	-9999.00	-9999.00	19930.00	-.04	274.00	-350.00	40.00	-44.00	3.60
[illegible]	-5.00	-5.00	578.00	-9999.00	-9999.00	-9999.00	17770.00	-.04	231.00	2852.00	90.00	-39.00	2.40
[illegible]	-5.00	-5.00	46.00	-9999.00	-9999.00	-9999.00	40760.00	-.06	632.00	-1442.00	48.00	431.00	9.30
[illegible]	-5.00	-5.00	41.00	-9999.00	-9999.00	-9999.00	32760.00	-.06	576.00	-1005.00	32.00	882.00	10.50
[illegible]	-5.00	-5.00	67.00	-9999.00	-9999.00	-9999.00	19400.00	-.03	289.00	-337.00	26.00	-41.00	3.20
[illegible]	-5.00	-5.00	161.00	-9999.00	-9999.00	-9999.00	24000.00	-.04	362.00	3200.00	39.00	-45.00	5.70
[illegible]	-5.00	-5.00	26.00	-9999.00	-9999.00	-9999.00	9634.00	-.19	-216.00	-2027.00	-13.00	676.00	11.30
454039	15.00	-5.00	70.00	-9999.00	-9999.00	-9999.00	35550.00	-.15	660.00	-1572.00	50.00	327.00	-2.70
454040	12.00	-5.00	21.00	-9999.00	-9999.00	-9999.00	3731.00	-.12	-196.00	-1103.00	-9.00	532.00	33.50
454041	-5.00	-5.00	122.00	-9999.00	-9999.00	-9999.00	29620.00	-.05	342.00	16210.00	45.00	-56.00	8.90
454042	-5.00	-5.00	29.00	-9999.00	-9999.00	-9999.00	9141.00	-.07	-98.00	10550.00	10.00	205.00	4.00
454044	9.00	-5.00	27.00	-9999.00	-9999.00	-9999.00	7020.00	-.21	-307.00	-2343.00	-16.00	-119.00	14.90
454046	7.00	-5.00	170.00	-9999.00	-9999.00	-9999.00	53030.00	-.08	654.00	9525.00	55.00	-87.00	14.70
454047	8.00	-5.00	112.00	-9999.00	-9999.00	-9999.00	54960.00	-.11	738.00	5498.00	70.00	-99.00	21.00
454049	11.00	-5.00	192.00	-9999.00	-9999.00	-9999.00	45740.00	-.08	597.00	6014.00	58.00	-77.00	11.50
454050	7.00	-5.00	74.00	-9999.00	-9999.00	-9999.00	23140.00	-.09	494.00	-789.00	36.00	649.00	9.70
454051	8.00	-5.00	99.00	-9999.00	-9999.00	-9999.00	13210.00	-.03	297.00	-481.00	29.00	60.00	2.90
454052	-5.00	-5.00	91.00	-9999.00	-9999.00	-9999.00	19930.00	-.05	339.00	2064.00	35.00	110.00	3.10
454053	9.00	-5.00	245.00	-9999.00	-9999.00	-9999.00	18540.00	-.05	276.00	2756.00	49.00	-52.00	4.30
454054	8.00	-5.00	83.00	-9999.00	-9999.00	-9999.00	20330.00	-.05	466.00	-447.00	32.00	164.00	2.30
454055	10.00	-5.00	46.00	-9999.00	-9999.00	-9999.00	16380.00	-.16	300.00	-2297.00	-11.00	709.00	-3.40
454056	-5.00	-5.00	72.00	-9999.00	-9999.00	-9999.00	19140.00	-.09	465.00	4090.00	30.00	961.00	-1.40
454057	-5.00	-5.00	70.00	-9999.00	-9999.00	-9999.00	25480.00	-.08	486.00	-591.00	34.00	349.00	-1.20
454058	-5.00	-5.00	85.00	-9999.00	-9999.00	-9999.00	31630.00	-.06	472.00	-401.00	41.00	221.00	4.40
454059	9.00	-5.00	77.00	-9999.00	-9999.00	-9999.00	23000.00	-.05	402.00	-511.00	33.00	-69.00	4.60
454073	19.00	-5.00	51.00	-9999.00	-9999.00	-9999.00	40620.00	-.15	672.00	-1173.00	51.00	543.00	14.00
454074	14.00	-5.00	158.00	-9999.00	-9999.00	-9999.00	26330.00	-.04	395.00	3295.00	37.00	-45.00	4.90
454076	-5.00	-5.00	211.00	-9999.00	-9999.00	-9999.00	19590.00	-.03	340.00	2811.00	44.00	52.00	4.20
454077	19.00	-5.00	395.00	-9999.00	-9999.00	-9999.00	17360.00	-.03	284.00	2552.00	61.00	-45.00	6.60
454078	16.00	-5.00	82.00	-9999.00	-9999.00	-9999.00	30360.00	-.10	446.00	-821.00	36.00	341.00	9.30
454079	14.00	-5.00	83.00	-9999.00	-9999.00	-9999.00	45920.00	-.11	567.00	-920.00	52.00	431.00	10.60
454080	11.00	-5.00	33.00	-9999.00	-9999.00	-9999.00	8660.00	-.10	-191.00	-1432.00	15.00	503.00	-2.40
454081	13.00	-5.00	175.00	-9999.00	-9999.00	-9999.00	64580.00	-.11	693.00	-1356.00	90.00	-105.00	27.90
454082	-5.00	-5.00	157.00	-9999.00	-9999.00	-9999.00	17060.00	-.04	276.00	2314.00	42.00	92.00	4.70

WAINWRIGHT LAKE SEDIMENT

PG. THREE - SAMPLE SET 3

SAMPLE NO.	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HF PPM	K PPM	LA PPM	LU PPM	MG PPM	MN PPM	NA PPM	ND PPM
454016	517.00	1.20	2.00	.70	10220.00	6.80	4527.00	19.00	.20	1957.00	116.00	6464.00	23.00
454017	51.00	-2.90	3.00	.90	21880.00	-2.10	-3248.00	-13.00	-.20	-1779.00	102.00	1866.00	-61.00
454018	81.00	-.90	2.00	.60	10770.00	2.10	5163.00	13.00	.20	2105.00	81.00	5622.00	-16.00
454019	126.00	-1.50	5.00	1.00	17320.00	5.60	7211.00	22.00	.20	3821.00	108.00	9823.00	29.00
454020	489.00	-1.00	2.00	.90	4680.00	11.10	3052.00	20.00	.20	-1098.00	60.00	5851.00	-19.00
454021	37.00	-3.70	-2.00	-.70	26360.00	-2.60	-4102.00	-17.00	-.30	-2170.00	109.00	1208.00	-79.00
454022	199.00	-1.10	2.00	.70	7345.00	7.80	5044.00	8.00	.10	-1105.00	51.00	6818.00	-18.00
454023	-14.00	-2.20	-1.00	-.40	22910.00	-1.50	-3135.00	-10.00	-.10	-1441.00	179.00	1412.00	-52.00
454024	493.00	-.90	2.00	.60	9087.00	9.70	4702.00	17.00	.20	-970.00	72.00	5804.00	-18.00
454025	198.00	-.90	2.00	.60	9828.00	8.50	3554.00	14.00	.20	-970.00	105.00	6917.00	-16.00
454026	180.00	-1.00	2.00	.70	10620.00	7.10	5073.00	14.00	.10	-1013.00	108.00	6507.00	-19.00
454027	514.00	-.80	4.00	1.00	13250.00	25.30	6515.00	23.00	.40	3548.00	150.00	7229.00	-15.00
454028	54.00	-2.40	3.00	-.40	13660.00	-1.60	-3155.00	-10.00	-.20	-1576.00	81.00	1932.00	-46.00
454029	83.00	-2.20	3.00	.40	19020.00	2.80	-2810.00	16.00	.20	-1606.00	118.00	3979.00	-42.00
454030	-17.00	-2.80	-1.00	-.50	6606.00	-1.90	-3291.00	-13.00	-.20	-1669.00	126.00	1017.00	-60.00
454031	198.00	.90	2.00	.60	10450.00	7.90	4902.00	18.00	.20	2111.00	98.00	6669.00	-15.00
454032	583.00	-.70	2.00	.70	8584.00	7.40	3433.00	17.00	.20	2477.00	84.00	4372.00	-14.00
454033	2724.00	-.80	3.00	.90	10410.00	23.80	4812.00	27.00	.40	1723.00	208.00	4436.00	-15.00
454034	-19.00	-3.10	4.00	.60	18750.00	-2.00	-3659.00	-12.00	-.20	-1636.00	159.00	1466.00	-59.00
454035	71.00	-2.50	3.00	-.40	33340.00	-1.50	7242.00	-9.00	.20	3064.00	206.00	1495.00	-50.00
454036	101.00	-.60	1.00	.50	9572.00	2.50	3325.00	13.00	.10	-755.00	52.00	4645.00	-13.00
454037	313.00	-.80	3.00	.80	10080.00	7.40	6531.00	19.00	.20	2065.00	119.00	6214.00	31.00
454038	-23.00	-3.50	-2.00	-.60	25850.00	-2.50	-4423.00	-16.00	-.30	-2074.00	208.00	1049.00	-77.00
454039	85.00	-3.10	4.00	.90	36940.00	-1.80	7459.00	-11.00	.30	-1968.00	180.00	2891.00	-66.00
454040	-14.00	-2.50	2.00	-.40	73090.00	1.60	-4246.00	-9.00	-.20	-1599.00	523.00	487.00	-63.00
454041	99.00	1.90	2.00	.80	18360.00	3.50	6944.00	18.00	.20	4709.00	330.00	8156.00	-17.00
454042	-8.00	-1.40	-1.00	-.20	20970.00	..00	-2342.00	-6.00	-.10	-1075.00	202.00	1427.00	-31.00
454044	-26.00	-3.70	2.00	-.70	23500.00	-2.70	-5920.00	-17.00	-.30	-2626.00	482.00	1091.00	-80.00
454046	121.00	3.30	5.00	1.30	32930.00	6.80	10260.00	26.00	.30	7602.00	662.00	9209.00	-29.00
454047	96.00	5.60	5.00	1.20	32960.00	5.30	14170.00	30.00	.40	9210.00	292.00	7197.00	-43.00
454049	113.00	3.20	5.00	1.10	27340.00	8.20	10110.00	31.00	.30	5683.00	220.00	10200.00	76.00
454050	173.00	-1.70	3.00	.80	13230.00	3.40	-2443.00	-6.00	.20	-1343.00	109.00	4056.00	-37.00
454051	273.00	-.60	2.00	.40	7884.00	3.00	3649.00	13.00	.10	1136.00	74.00	3771.00	-12.00
454052	262.00	-.90	2.00	.60	7402.00	3.80	4498.00	12.00	.10	1722.00	70.00	5352.00	-15.00
454053	1021.00	-1.00	2.00	.50	9674.00	8.90	3876.00	24.00	.20	-954.00	113.00	5010.00	-20.00
454054	208.00	-1.00	2.00	.70	10140.00	3.60	4695.00	15.00	.10	1971.00	71.00	5045.00	-21.00
454055	81.00	-3.10	-1.00	-.60	15040.00	-2.00	-3737.00	-16.00	-.20	-2050.00	81.00	2313.00	-69.00
454056	134.00	-1.60	3.00	.90	7143.00	3.40	-2202.00	-6.00	-.20	2224.00	52.00	4423.00	-29.00
454057	125.00	-1.50	2.00	-.20	9379.00	2.20	5849.00	-6.00	-.10	-1206.00	82.00	5107.00	-27.00
454058	108.00	1.90	3.00	.90	14920.00	3.70	8619.00	21.00	.20	3271.00	77.00	5725.00	-22.00
454059	128.00	-1.10	2.00	.70	11520.00	3.60	4601.00	17.00	.20	2198.00	92.00	5913.00	-21.00
454073	107.00	3.70	4.00	1.30	42650.00	-1.80	-3462.00	-11.00	-.20	4124.00	176.00	2253.00	-62.00
454074	349.00	-1.50	2.00	.80	11740.00	6.80	5612.00	18.00	.20	2777.00	106.00	6743.00	-14.00
454076	1063.00	-.70	2.00	.80	9085.00	10.90	3739.00	22.00	.30	1781.00	113.00	5308.00	-14.00
454077	2089.00	-.80	2.00	.80	12390.00	16.00	3984.00	25.00	.30	1729.00	185.00	4307.00	-15.00
454078	91.00	-2.00	4.00	1.10	27210.00	3.40	4209.00	-6.00	.30	-1573.00	105.00	6113.00	-39.00
454079	95.00	-2.40	4.00	1.10	40890.00	-1.40	11860.00	26.00	.20	5055.00	228.00	4727.00	-44.00
454080	-14.00	-2.30	-1.00	-.40	23350.00	-1.50	-4445.00	-10.00	-.10	-1896.00	469.00	978.00	-54.00
454081	106.00	7.90	6.00	1.50	71990.00	7.00	13760.00	43.00	.40	-2518.00	2019.00	7994.00	-49.00
454082	578.00	-.70	2.00	.70	9400.00	6.70	4204.00	16.00	.20	1815.00	115.00	4787.00	-14.00

WAINWRIGHT LAKE SEDIMENT

SAMPLE NO.	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	TH/U RATIO
454016	-1.00	3.90	2.90	-101.00	-1.00	-9999.00	3.20	2419.00	42.00	1.90	26.00	2.39700
454017	-4.00	5.10	1.70	-256.00	-4.00	-1.00	3.20	-9999.00	56.00	-3.10	-85.00	2.71000
454018	-1.00	4.40	-2.10	-95.00	-1.00	-9999.00	3.80	1708.00	43.00	-.70	-29.00	3.27900
454019	-2.00	9.40	4.00	-151.00	-2.00	-9999.00	5.00	3247.00	110.00	-1.30	-110.00	2.39100
454020	-1.00	3.80	2.70	-116.00	-1.00	-9999.00	4.30	2802.00	43.00	1.40	-33.00	2.74000
454021	-5.00	3.00	-1.40	-336.00	-4.00	-1.00	-3.00	-9999.00	46.00	-4.00	-164.00	0.00000
454022	-2.00	4.50	1.80	-116.00	-1.00	-9999.00	3.20	2217.00	40.00	-1.00	-28.00	2.22200
454023	-3.00	3.10	-.80	-233.00	-3.00	-1.00	-1.70	-9999.00	22.00	-2.20	-63.00	0.00000
454024	-1.00	3.50	2.70	-107.00	-1.00	-9999.00	3.20	2347.00	39.00	1.90	57.00	2.17000
454025	-1.00	3.60	2.70	-117.00	-1.00	-9999.00	4.40	2664.00	39.00	1.90	-22.00	3.32500
454026	-1.00	4.90	2.70	-118.00	-1.00	-9999.00	3.90	2750.00	49.00	-.80	-30.00	2.67400
454027	-1.00	5.10	3.70	-102.00	-1.00	-9999.00	5.80	3569.00	51.00	2.80	34.00	1.97200
454028	-3.00	5.70	2.60	-206.00	-3.00	-1.00	3.70	1311.00	93.00	-2.20	-84.00	2.74000
454029	-3.00	6.00	2.70	-214.00	-3.00	-1.00	4.60	1580.00	63.00	-2.10	-40.00	3.17500
454030	-4.00	3.60	-1.20	-252.00	-3.00	-1.00	-2.10	-9999.00	-8.00	-2.80	-32.00	0.00000
454031	-1.00	3.60	2.60	-94.00	-1.00	-9999.00	3.20	2469.00	36.00	-.90	-23.00	2.35300
454032	-1.00	3.20	2.70	-89.00	-1.00	-9999.00	3.30	2080.00	33.00	1.10	86.00	2.91700
454033	-1.00	4.20	5.10	-118.00	-1.00	-9999.00	5.90	4355.00	56.00	2.90	35.00	2.53200
454034	-4.00	10.50	2.80	-248.00	-4.00	-1.00	6.10	1883.00	78.00	-2.90	-95.00	3.39000
454035	-3.00	7.90	-.90	-218.00	-3.00	-1.00	5.10	1886.00	69.00	-2.20	-69.00	3.25400
454036	-1.00	2.50	1.70	-81.00	-1.00	-9999.00	2.30	1456.00	29.00	1.30	-18.00	2.70300
454037	-1.00	4.20	3.00	-109.00	-1.00	-9999.00	3.70	2478.00	44.00	2.10	-29.00	2.45100
454038	-5.00	4.10	-1.40	-344.00	-4.00	-1.00	-2.70	-9999.00	-9.00	-3.50	-130.00	0.00000
454039	-4.00	10.70	4.60	-263.00	-4.00	-1.00	6.50	1805.00	113.00	-2.80	-96.00	3.07700
454040	-3.00	1.70	-.80	-358.00	-2.00	-1.00	-1.70	-9999.00	21.00	-2.40	-84.00	0.00000
454041	-1.00	6.00	2.30	-143.00	-1.00	-9999.00	4.70	3064.00	55.00	1.90	-27.00	2.84900
454042	-2.00	2.30	-.50	-171.00	-2.00	-9999.00	1.70	-9999.00	17.00	-1.40	157.00	4.25500
454044	-5.00	3.10	-1.60	-535.00	-4.00	-1.00	-3.00	-9999.00	-13.00	-3.90	-125.00	0.00000
454046	-2.00	11.10	3.60	-233.00	-1.00	-1.00	7.40	4315.00	108.00	3.70	95.00	2.77000
454047	-3.00	13.60	6.30	-235.00	-2.00	-1.00	11.40	4238.00	119.00	3.00	176.00	3.62300
454049	-2.00	10.20	3.60	-174.00	-1.00	-1.00	6.40	4024.00	100.00	3.90	-50.00	2.46300
454050	-2.00	5.30	2.40	-163.00	-2.00	-1.00	4.20	2057.00	59.00	-1.70	-54.00	3.02100
454051	-1.00	2.40	2.00	-83.00	-1.00	-9999.00	2.60	1473.00	29.00	1.00	26.00	3.02100
454052	-1.00	3.40	2.80	-106.00	-1.00	-9999.00	3.60	1859.00	43.00	1.30	26.00	3.30000
454053	-1.00	4.20	2.80	-118.00	-1.00	-9999.00	3.50	2376.00	57.00	-.90	-35.00	2.53900
454054	-1.00	3.40	2.20	-107.00	-1.00	-9999.00	2.90	1767.00	41.00	-.90	-24.00	2.54500
454055	-4.00	4.20	2.10	-291.00	-3.00	-1.00	3.90	-9999.00	42.00	-3.00	-112.00	4.48400
454056	-2.00	4.00	2.70	-171.00	-2.00	-1.00	2.80	1528.00	38.00	2.10	-45.00	2.20300
454057	-2.00	5.70	-2.10	-144.00	-1.00	-9999.00	3.50	2049.00	58.00	-1.40	-40.00	2.53900
454058	-2.00	6.60	3.10	-121.00	-1.00	-9999.00	4.20	2338.00	65.00	-1.40	-63.00	2.[illegible]900
454059	-2.00	4.80	2.40	-127.00	-1.00	-9999.00	3.70	2193.00	49.00	2.10	-10.00	2.93500
454073	-4.00	11.40	3.70	-246.00	-3.00	-1.00	7.20	1590.00	86.00	-2.80	705.00	3.12500
454074	-1.00	4.60	2.50	-91.00	-1.00	-9999.00	3.40	2343.00	48.00	1.70	-22.00	2.59100
454076	-1.00	3.90	3.10	-91.00	-1.00	-9999.00	4.00	3022.00	44.00	1.60	21.00	2.69200
454077	-1.00	4.00	3.50	-105.00	-1.00	-9999.00	5.20	3262.00	47.00	1.90	27.00	2.94100
454078	-3.00	6.10	3.70	-200.00	-3.00	-1.00	3.70	2267.00	69.00	-2.30	-60.00	2.26900
454079	-3.00	-12.50	4.10	-216.00	-2.00	-1.00	7.80	2339.00	103.00	-2.10	-76.00	3.42500
454080	-3.00	2.70	-.80	-338.00	-2.00	-1.00	-1.60	-9999.00	37.00	-2.00	-68.00	0.00000
454081	-3.00	15.90	6.90	-466.00	-2.00	-1.00	13.80	4766.00	135.00	4.20	124.00	3.50900
454082	-1.00	3.10	2.90	-99.00	-1.00	-9999.00	2.90	2096.00	38.00	1.70	-13.00	2.29300

WAINWRIGHT LAKE SEDIMENT

PG. ONE - SAMPLE SET 6

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
454083	70.1992	161.6603	7.	65.0	-9999.	2.20	-5.00	-5.00	-5.00	14.00	-20.00	-15.00	-5.00	-10.00	-15.00
454084	70.1814	161.7114	7.	77.0	-9999.	1.47	-5.00	-5.00	-5.00	14.00	-20.00	-15.00	-5.00	-10.00	-15.00
454085	70.1758	161.8339	7.	180.0	-9999.	1.90	-5.00	-5.00	-5.00	27.00	-20.00	17.00	7.00	-10.00	-15.00
454086	70.1875	161.8867	7.	30.0	-9999.	1.54	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	-5.00	-10.00	-15.00
454087	70.1800	161.9364	7.	75.0	-9999.	.91	-5.00	-5.00	-5.00	-10.00	-20.00	-15.00	7.00	-10.00	-15.00
454088	70.1972	161.9842	7.	54.0	-9999.	2.51	-5.00	-5.00	-5.00	17.00	-20.00	-15.00	-5.00	-10.00	-15.00
454101	70.3667	159.0378	7.	48.0	-9999.	1.58	-5.00	-5.00	-5.00	27.00	-20.00	17.00	-5.00	-10.00	-15.00
454102	70.3628	159.1722	7.	46.0	-9999.	1.01	-5.00	-5.00	-5.00	17.00	-20.00	16.00	-5.00	-10.00	-15.00
454103	70.3664	159.2961	7.	58.0	-9999.	1.29	-5.00	-5.00	-5.00	15.00	-20.00	-15.00	-5.00	-10.00	-15.00
454104	70.3550	159.4364	7.	130.0	-9999.	.87	-5.00	-5.00	-5.00	18.00	-20.00	-15.00	-5.00	-10.00	-15.00
454105	70.3628	159.5572	7.	81.0	-9999.	.37	-5.00	-5.00	-5.00	12.00	-20.00	-15.00	-5.00	-10.00	-15.00
454106	70.3600	159.6667	6.	33.0	-9999.	1.58	-5.00	-5.00	-5.00	17.00	-20.00	19.00	-5.00	-10.00	-15.00
454107	70.5447	159.3947	6.	41.0	-9999.	1.27	-5.00	-5.00	-5.00	23.00	-20.00	17.00	-5.00	-10.00	-15.00
454108	70.5450	159.3150	6.	131.0	-9999.	3.80	-5.00	-5.00	-5.00	-10.00	-20.00	16.00	-5.00	-10.00	-15.00
454109	70.5553	159.2119	5.	447.0	-9999.	1.33	-5.00	-5.00	-5.00	21.00	-20.00	24.00	-5.00	-10.00	-15.00
454110	70.5414	159.0397	6.	178.0	-9999.	1.16	-5.00	5.00	-5.00	11.00	-20.00	18.00	-5.00	-10.00	-15.00

WAINWRIGHT LAKE SEDIMENT

PG. TWO - SAMPLE SET 6

SAMPLE NO.	AS PPM	SE PPM	ZR PPM	MO PPM	BE PPM	LI PPM	AL PPM	AU PPM	BA PPM	CA PPM	CE PPM	CL PPM	CO PPM
454083	19.00	-5.00	146.00	-9999.00	-9999.00	-9999.00	43930.00	-.09	613.00	5823.00	90.00	324.00	10.00
454084	11.00	-5.00	139.00	-9999.00	-9999.00	-9999.00	27890.00	-.06	379.00	3455.00	33.00	229.00	4.00
454085	11.00	-5.00	50.00	-9999.00	-9999.00	-9999.00	45210.00	-.14	653.00	5336.00	41.00	757.00	12.70
454086	8.00	-5.00	191.00	-9999.00	-9999.00	-9999.00	24360.00	-.05	346.00	2459.00	49.00	106.00	7.00
454087	-5.00	-5.00	50.00	-9999.00	-9999.00	-9999.00	18280.00	-.03	349.00	1889.00	27.00	151.00	3.50
454088	-5.00	-5.00	44.00	-9999.00	-9999.00	-9999.00	26260.00	-.04	390.00	11430.00	62.00	-61.00	7.10
454101	19.00	-5.00	43.00	-9999.00	-9999.00	-9999.00	18460.00	-.13	418.00	-945.00	76.00	626.00	7.70
454102	14.00	-5.00	61.00	-9999.00	-9999.00	-9999.00	13650.00	-.10	270.00	-968.00	-7.00	790.00	6.70
454103	5.00	-5.00	284.00	-9999.00	-9999.00	-9999.00	18830.00	-.03	302.00	2064.00	99.00	-40.00	3.30
454104	12.00	-5.00	39.00	-9999.00	-9999.00	-9999.00	14010.00	-.10	461.00	-1680.00	-7.00	654.00	-2.00
454105	10.00	-5.00	32.00	-9999.00	-9999.00	-9999.00	6855.00	-.11	291.00	-1173.00	-8.00	1135.00	-2.10
454106	15.00	-5.00	118.00	-9999.00	-9999.00	-9999.00	24590.00	-.08	490.00	-584.00	39.00	217.00	6.20
454107	15.00	-5.00	51.00	-9999.00	-9999.00	-9999.00	14670.00	.31	383.00	-1002.00	21.00	419.00	-1.70
454108	8.00	-5.00	1025.00	-9999.00	-9999.00	-9999.00	20420.00	-.05	313.00	3899.00	96.00	87.00	7.40
454109	10.00	-5.00	175.00	-9999.00	-9999.00	-9999.00	23920.00	-.05	318.00	3210.00	37.00	170.00	4.00
454110	-5.00	-5.00	143.00	-9999.00	-9999.00	-9999.00	17650.00	-.03	253.00	1750.00	30.00	140.00	3.40

WAINWRIGHT LAKE SEDIMENT

PG. THREE - SAMPLE SET 6

SAMPLE NO.	CR PPM	CS PPM	DY PPM	EU PPM	FE PPM	HF PPM	K PPM	LA PPM	LU PPM	MG PPM	MN PPM	NA PPM	PP PPM	
454083	95.00	-1.90	4.00	1.00	28490.00	5.60	6429.00	-6.00	.30	-1601.00	182.00	8264.00	-36.00	-00
454084	116.00	-1.20	3.00	.70	23230.00	5.10	5515.00	14.00	.20	-1225.00	109.00	7957.00	-25.00	-00
454085	93.00	-2.90	4.00	1.70	33060.00	-1.80	9405.00	20.00	-.20	6584.00	165.00	2565.00	-29.00	-00
454086	785.00	-1.00	3.00	.80	12440.00	9.70	4871.00	19.00	.20	2305.00	144.00	6765.00	-17.00	-00
454087	51.00	-.70	2.00	.50	8491.00	1.70	4390.00	11.00	.10	-740.00	63.00	4840.00	-13.00	-00
454088	604.00	-.90	4.00	1.00	12940.00	19.00	4822.00	25.00	.40	4732.00	185.00	8472.00	-16.00	-00
454101	91.00	-2.40	4.00	-.40	19190.00	-1.60	-2854.00	-8.00	-.20	-1459.00	90.00	1805.00	-44.00	-00
454102	96.00	-1.90	1.00	-.30	24030.00	2.50	-2353.00	-8.00	-.10	-1209.00	71.00	2092.00	-44.00	-00
454103	521.00	-.60	2.00	.60	7072.00	9.40	3571.00	16.00	.20	2016.00	80.00	5907.00	-12.00	-00
454104	46.00	-2.00	2.00	-.30	14110.00	-1.30	-2905.00	-9.00	-.10	-1444.00	79.00	1855.00	-42.00	00
454105	39.00	-1.90	-1.00	-.40	10320.00	-1.40	-2144.00	-10.00	-.20	-1278.00	37.00	1256.00	-44.00	-00
454106	199.00	-1.50	3.00	.80	31130.00	4.60	4816.00	21.00	-.10	-1123.00	115.00	4823.00	-31.00	00
454107	54.00	-1.60	2.00	.40	10160.00	-1.20	-2138.00	-8.00	-.10	2643.00	55.00	1766.00	-37.00	-00
454108	1772.00	-.90	4.00	1.60	13230.00	90.50	4066.00	36.00	.60	2389.00	194.00	8035.00	-17.00	-00
454109	171.00	-1.00	2.00	.70	9959.00	6.30	5462.00	17.00	.20	2137.00	77.00	6850.00	-17.00	-00
454110	187.00	-.70	1.00	.50	7675.00	6.00	4266.00	16.00	.10	-726.00	64.00	5559.00	-12.00	00

WAINWRIGHT LAKE SEDIMENT

PG. FIVE - SAMPLE SET 6

SAMPLE NO.	SB PPM	SC PPM	SM PPM	SR PPM	TA PPM	TB PPM	TH PPM	TI PPM	V PPM	YB PPM	ZN PPM	TH/U RATIO
454083	-3.00	9.00	3.20	-195.00	-2.00	-1.00	5.10	3180.00	86.00	-1.60	-57.00	2.32000
454084	-1.00	4.50	2.10	-136.00	-1.00	-9999.00	3.50	2359.00	48.00	-1.00	-88.00	2.38100
454085	-4.00	12.10	3.90	-261.00	-4.00	-1.00	7.10	2916.00	108.00	-2.70	-88.00	3.73100
454086	-1.00	4.40	3.30	-126.00	-1.00	-9999.00	3.60	2533.00	50.00	2.30	63.00	2.33600
454087	-1.00	2.80	1.80	-82.00	-1.00	-9999.00	2.70	1247.00	38.00	-.70	30.00	2.96700
454088	-1.00	5.30	4.50	-125.00	-1.00	-9999.00	6.80	3822.00	46.00	3.40	-26.00	2.71000
454101	-3.00	5.20	2.80	-217.00	-3.00	-1.00	4.30	1146.00	60.00	-2.40	-62.00	2.72500
454102	-3.00	3.70	-.80	-166.00	-3.00	-1.00	3.60	1290.00	31.00	-1.80	124.00	3.35900
454103	-1.00	3.20	2.60	-81.00	-1.00	-9999.00	3.20	2494.00	35.00	1.60	33.00	2.48100
454104	-3.00	3.90	-.80	-188.00	-3.00	-1.00	2.60	719.00	29.00	-1.90	-71.00	2.68500
454105	-3.00	1.50	-.80	-184.00	-2.00	-1.00	-1.50	-9999.00	19.00	-2.10	-61.00	0.00000
454106	-2.00	6.30	2.70	-141.00	-2.00	-9999.00	3.70	2412.00	56.00	2.20	-41.00	2.34200
454107	-2.00	4.40	-.70	-154.00	-2.00	-1.00	3.30	857.00	37.00	-1.70	-51.00	2.59700
454108	-1.00	5.80	6.60	-111.00	-1.00	-9999.00	8.70	5779.00	59.00	4.60	88.00	2.28800
454109	-1.00	3.90	2.70	-116.00	-1.00	-9999.00	3.70	2376.00	41.00	2.30	-24.00	2.77600
454110	-1.00	3.00	1.50	-82.00	-9999.00	-9999.00	2.60	1938.00	31.00	1.50	-18.00	2.24200