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DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

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Report of Investigations 88-15
GEOCHEMICAL INVESTIGATIONS IN THE
CHANDALAR C-5 AND C-6 QUADRANGLES,
ALASKA

by
D.D. Adams and J.T. Dillon

STATE OF ALASKA
Department of Natural Resources
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

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GEOCHEMICAL INVESTIGATIONS IN THE CHANDALAR C-5 AND C-6 QUADRANGLES, ALASKA

by
D.D. Adams¹ and J.T. Dillon²

INTRODUCTION

A geochemical investigation of the Chandalar C-5 and C-6 Quadrangles, Alaska was conducted during July and August, 1982 by the Alaska Division of Geological and Geophysical Surveys (DGGGS). The study area lies within the upper Koyukuk mining district and is the site of recent exploration activity. This district has known gold placer and lode deposits, copper porphyry and skarn deposits, and has potential for massive copper sulfide and tin deposits associated with Devonian igneous rocks. The area includes developable state and native lands adjacent the trans-Alaska pipeline transportation infrastructure.

Brosge and Reiser (1964) published a reconnaissance geologic map of the Chandalar Quadrangle, and regional geochemistry and geology have been discussed previously in Deyoung (1978), Marsh and Wiltse (1978), Marsh and others (1978a,b,c,d, and e), and Dillon (1982).

Additional geochemical data were collected to determine mineral potential of the lands and to encourage exploration by locating specific exploration targets. Locations of 1,319 stream-sediment and 323 pan-concentrate samples collected by student interns are shown on plate 1. Analytical results for stream-sediment and pan-concentrate samples are listed in appendices A and B, respectively.

Univariate and multivariate statistical analyses were performed on the samples to determine anomalously high concentrations of ore metals in sediments. Plates 2 and 3 are interpretive maps showing sample locations which yielded anomalous metal concentrations; these maps can be used directly to conduct resource exploration. Potential exploration targets are described in the conclusions.

SAMPLING METHODS

Stream-sediment samples were collected near stream margins at average spacings of ~0.25 mi (0.4 km) and contained ~8 oz (0.2 kg) of clay- to silt-size material. Pan-concentrate samples were collected at about every fourth stream-sediment sample site and contained silt- to sand-size material which was then sifted through a 1/4-in. (0.635 cm) mesh screen and panned down to ~4 oz (0.1 kg). Each sample was placed in an olefin bag at the sample site and air-dried before shipment to the laboratory. A brief description of the sample and bedrock was recorded at each sample site.

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LABORATORY ANALYSIS

Most of the laboratory analyses were performed by the DGGs Assay Laboratory in Fairbanks. Bondar-Clegg, Ltd., Vancouver, B.C. provided all tin, tungsten, and mercury analyses, as well as some arsenic, nickel, chromium, boron, and barium analyses (labeled separately on tables and figures as As*, Ni*, Cr*, B*, and Ba*, respectively, and indicated in text by asterisk following element name). Final analyses were received in September, 1983. Analytical methods and corresponding detection limits for each element are summarized in table 1. Nickel, nickel*, chromium, chromium*, barium, barium*, boron, boron*, arsenic, arsenic*, vanadium, and strontium analyses do not apply uniformly to all sample locations; evaluation of these results apply only to sample distributions on figures 1 through 4. (Distribution maps for Ni-Ni*-Cr-Cr* and Ba-Ba*-B-B* stream-sediment samples are shown in figures 1 and 2, respectively, and for the As-As* and Ni-Ni*-Cr-Cr* pan-concentrate samples in figures 3 and 4, respectively.)

The DGGs laboratory prepared the samples for analysis by atomic-absorption spectrophotometry (AA) using aqua regia digestions followed by aliquot extractions with a dilution factor of 1:10. Splits of these extractions were diluted again by a factor of 1:10 and used for analysis by inductively-coupled plasma-emission spectrophotometry (ICP). Bondar-Clegg, Ltd., also used aqua regia digestions but prepared samples for arsenic analyses using perchloric digestions.

UNIVARIATE STATISTICAL ANALYSIS

Statistical methods are commonly employed to evaluate large groups of geochemical data, and we have used them here to characterize the data, to graph frequency distributions, and to aid in selecting anomaly thresholds. The silver and beryllium stream-sediment samples and the gold, silver, antimony and tin pan-concentrate samples were not statistically analyzed because they contained very few unqualified values. Data sets were sorted by IBM Textpack global search to exclude qualified (below detection limit) and duplicate values. Log transformations were used to plot the graphed statistics.

Summary statistics for each element were divided into basic and ordered statistics sections, computed to a 95-percent confidence interval on the mean. Summary statistics of duplicate analytical values for each element are shown separately. The basic statistics section summarizes number of observations, number of missing values, sum, mean, variance, standard deviation, coefficient of skewness, coefficient of kurtosis, coefficient of variation, standard error of the mean, and upper and lower limits of the 95-percent confidence interval. The ordered statistics section lists the maximum and minimum values and corresponding range; midrange and median values and Tukey's hinges and middlemeans are also included in this section. Tukey's hinges are the values of the 25th and 75th percentiles; midspread is the range between these values (Tukey, 1977). Tukey's midmean is the mean value of the middle 50 percent of the data and can be compared with the regular mean value to estimate the skewness of the data.

Table 1. Analytical methods and corresponding detection limits for analyzed elements. Lower detection limit values in ppm except for mercury which is in ppb. Analytical data from Bondar-Clegg, Ltd. reported in separate columns labeled As*, Ni*, Cr*, B*, and Ba*.

Method ^a	Cu	Pb	Zn	Au	Ag	Mo	Sb	As	As*	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	Sn	W	Hg	V	Sr	Be
AA		X		X	X	X	X	X	X			X				X		X			X						
ICP	X		X							X	X		X	X					X	X							
E.spec.															X		X								X	X	X
XRF																							X				
CVAA																								X			
Col																								X			
L D L(SS)	1	1	1	--	0.1	1	1	1	--	1	10	10	10	10	10	10	10 ^b	10	1	10	50	--	--	--	1	1 ^b	1
L D L(PC)	1	1	1	0.2	0.1	1	1	1	10	10	10	10	10	10	5	-	5	-	1	10	10	5	2	5	--	--	--

^a AA = Atomic-absorption spectrophotometry.

ICP = Inductively coupled plasma atomic-emission spectrophotometry.

E.spec. = Six-step, DC-arc, semiquantitative emission spectrophotometry.

XRF = X-ray fluorescence spectrophotometry.

CVAA = Cold-vapor, atomic absorption spectrophotometry.

Col = Colorimetry

L D L(SS) = Lower detection limit for stream-sediment analyses.

L D L(PC) = Lower detection limit for pan-concentrate analyses.

^b Variations in detection limits caused several Ba and Sr stream-sediment analyses in appendix A to be reported as greater or less than 1,000 ppm (+1,000 or -1,000, respectively); some Au pan-concentrate analyses in appendix B are reported as less than 0.1 (-0.1).

-- = no data.

Figure 1. Map section of the Chandalar study area showing stream-sediment sample distributions for nickel and chromium (Ni and Cr = DGGs analyses; Ni* and Cr* = Bondar-Clegg analyses). The correlation coefficient for 135 observations with both Ni and Ni* analyses is very high (0.9283) and indicates a significant agreement between these analyses. The linear regression equation for these observations is: $(Ni^*) = 0.552 + 0.667(Ni)$. The correlation coefficient for 98 observations with both Cr and Cr* analyses (-0.1341) is effectively random.

Appendices C and D contain histograms for each element derived from both the normal and log-transform values. These are plots of the relative frequency percentages, typically for 8-10 intervals of values. A normal distribution curve is superimposed on the histograms where enough degrees of freedom are available to perform a best fit test.

Cumulative frequency diagrams were obtained by using the log transform values plotted on an arithmetic scale. Cumulative frequencies were plotted on the ordinate and probability on the abscissa. The statistics program ranks frequency values from lowest to highest, so high percentiles correspond to high values for the element plotted.

Initially, the cumulative frequency diagrams were treated for threshold selections by the simplified method of Lepeltier (1969). Table 2 lists anom-

Figure 2. Map section of Chandalar study area showing stream-sediment sample distributions for barium and boron (Ba and B = DGGs analyses; Ba* and B* = Bondar-Clegg analyses). The correlation coefficient for 56 observations with both Ba and Ba* analyses is high (0.628) and indicates significant agreement between these analyses. The linear regression equation for these observations is: $(Ba^*) = 208 + 0.929 (Ba)$. The correlation coefficient for 56 observations with both B and B* analyses is high (0.829), which indicates a significant agreement between these analyses. The linear regression equation for these observations is: $(B^*) = 21.1 + 0.783 (B)$.

aly thresholds selected using this method; plate 2 is the correlative map of anomalous samples, locations, and metals. A single population was generally assumed and anomaly thresholds were selected at the 2nd standard deviation above the mean (or 97.5-percentile intercept), following the statistical approach to threshold selection suggested by Hawkes and Webb (1962). Anomaly thresholds for the lead, zinc, and mercury pan-concentrate samples were selected at slightly lower percentiles which corresponded to significant upward breaks in slopes of the frequency curves. Thresholds for the antimony stream-sediment and arsenic* pan-concentrate samples were selected at major inflection points of the curves. Two disadvantages of the Lepeltier method are that it tends to give a large number of anomalies, because it includes anomalous background values, and it does not distinguish relative size among anomalies.

Table 2. Stream-sediment and pan-concentrate sample anomaly thresholds (ppm, Hg in ppb) selected using the method of Lepeltier (1969). Thresholds for the Ag and B stream-sediment and Au, Ag, Sb and Sn pan-concentrate samples were arbitrarily set at or above their respective detection limits.

<u>Element</u>	<u>Stream-sediment threshold</u>	<u>Pan-concentrate threshold</u>
Cu	71	53
Pb	22	12
Zn	213	141
Ag	0.1	0.1
Mo	8	8
Sb	17	1
As	92	15
As*	--	56
Co	31	36
Ni	82	79
Ni*	52	58
Fe	62,803	74,097
Mn	2,604	3,633
B	178	125
B*	165	--
Ba	823	922
Ba*	1,367	--
Cd	6	4
Cr	72	482
Cr*	167	38
V	236	--
Sr	935	--
Be	1	--
Sn	--	5
W	--	4
Hg	--	86
Au	--	0.2

-- = Not analyzed.

Cumulative frequency diagrams were also utilized for threshold selections, by a partitioning method (Sinclair, 1974; 1976) for polymodal distributions. Table 3 and appendices C and D list anomaly thresholds, magnitudes and ranges selected using this method; plate 3 is the correlative map of anomalous sample locations and metals. The procedure here involved estimating constituent populations of a distribution and plotting each individual population over the entire probability range. Only populations greater than about 2 percent probability were partitioned. The constituent populations were assigned value ranges which allowed a minimum degree of overlap. Thresholds were then selected at arbitrary percentiles which gave a reasonable number of anomalies, defined the relative magnitude of anomalies, and limited the inclusion of background values. The Sinclair method is a more conservative approach, but it establishes anomalies with greater reliability and provides a better detail analysis of the distribution of

Figure 3. Map section of Chandalar study area showing pan-concentrate sample distributions for arsenic (As = DGGS analyses, As* = Bondar-Clegg analyses). The correlation coefficient for 46 observations with both As and As* analyses is very high (0.8851) and indicates significant agreement between these analyses. The linear regression equation equation for these observations is: $(As^*) = 4.48 + 0.74 (As)$.

values for an element than Lepeltier's (1969) method. It can also identify low-level anomalies of local significance. Ideally, partitioned populations would correlate with specific lithologies or other geologic features, although the detailed plotting necessary to complete an evaluation of this effect is beyond the scope of this report.

MULTIVARIATE STATISTICAL ANALYSIS

Correlation matrices for the stream-sediment and pan-concentrate data groups (tables 4 and 5, respectively) were computed by using the BMDP8D CORPAIR correlation program for incomplete data. This program computes the correlation coefficient between two variables, from cases for which both variables are present as unqualified values. The linear correlation coefficients are shown on the lower left half of the tables and the paired frequencies with both variables present are shown in the upper right half of the tables. The linear correlation coefficient is a value between +1 and -1 which expresses the relationship between two variables. A direct relationship or positive correlation of the concentrations of two elements is

Figure 4. Map section of Chandalar study area showing pan-concentrate sample distributions for nickel and chromium (Ni and Cr = DGGs analyses; Ni* and Cr* (Bondar-Clegg analyses).

indicated by a positive coefficient; an inverse relationship is indicated by a negative coefficient. A correlation coefficient value near zero indicates little or no correlation between variables.

DISCUSSION OF UNIVARIATE STATISTICS

Considering the sample distributions and generally large number of observations, sample statistics presented here could provide a reasonable base for estimating population parameters. Mean and median values for most samples are very similar and could be taken to approximate the population mean. Midrange values often depart significantly from mean and median values, especially in the case of wide ranges and large standard deviations. Assessment of variance and standard deviations of the samples is difficult because of the polymodal distributions seen for most of the samples.

Most histograms of untransformed sample values are positively skewed; the lack of skewness in histograms of log transformed values suggests the distributions are lognormal. Polymodal distributions are suggested by the double-peaked histograms of the antimony stream-sediment samples and the arsenic*, chromium*, and barium pan-concentrate samples.

Table 3. Stream-sediment and pan-concentrate sample anomaly thresholds (ppm, Hg in ppb) and ranges, selected using the method of Sinclair (1974 and 1976). Thresholds are selected at arbitrary percentiles to establish the anomalies and their relative magnitudes and avoid inclusion of background values. Plate 3 shows anomalous sample locations.

Element (sample type) ^a	Anomaly thresholds ^b	Low-level anomaly ranges
Cu (ss)	$Cu_1^1 = 172, Cu_2^2 = 143$	
Cu (pc)	$Cu_1^1 = 93, Cu_2^2 = 67$	
Pb (ss)	$Pb_1^1 = 94, Pb_2^2 = 67$	
Pb (pc)	$Pb_1^1 = 28$	
Zn (ss)	$Zn_1^1 = 471, Zn_2^2 = 362$	$Zn^3 = 22 \text{ to } 24$
Zn (pc)	$Zn_1^1 = 228, Zn_2^2 = 186$	
Ag (ss)	$[Ag_1^1] = 0.7, [Ag] = 0.5$	
Ag (pc)	$[Ag] = 0.2$	
Mo (ss)	$Mo_1^1 = 20, Mo_2^2 = 17$	
Mo (pc)	$Mo_1^1 = 10, Mo_2^2 = 9$	
Sb (ss)	$Sb_1^1 = 156, Sb_2^2 = 71$	
Sb (pc)	$[Sb] = 36$	
As (ss)	$As_1^1 = 133$	
As (pc)	$As_1^1 = 81, As_2^2 = 60$	
As* (pc)	$As^{*2} = 107$	$As^{*3} = 65 \text{ to } 91$
Co (ss)	$Co_1^1 = 199, Co_2^2 = 111$	
Co (pc)	$Co_1^1 = 43$	

^ass = stream sediment; pc = pan concentrate.

^bTypes of anomalies are labeled in decreasing order of magnitude; for example:

Zn_1^1 = threshold set at the 100th percentile of the highest value (A) population

Zn_2^2 = threshold set at the 85th to 98th percentile of the A population

$Zn_3^3, 4, \text{ etc.}$ = lower limit set at the 90th to 98th percentile of the population and upper limit set at the 0 percentile of the next higher population.

Where thresholds for the Ag and Be stream-sediment and Au, Ag, Sb, and Sn pan-concentrate samples were arbitrarily set at or above their respective detection limits, symbols are enclosed in brackets [].

Table 3. Continued

Element (sample type) ^a	Anomaly thresholds ^b	Low-level anomaly ranges
Ni (ss)	$Ni_1^1 = 193, Ni_2^2 = 154$	
Ni (pc)	$Ni_1^1 = 112, Ni_2^2 = 83$	
Ni* (ss)	$Ni_1^{*2} = 75$	
Ni* (pc)	$Ni_1^{*1} = 59$	
Fe (ss)	$Fe_2^1 = 78,884, Fe_2^2 = 73,142$	$Fe^3 = 10,000 \text{ to } 10,998$
Fe (pc)	$Fe_2^2 = 78,102$	
Mn (ss)	$Mn_2^1 = 14,962, Mn_2^2 = 7,043$	
Mn (pc)	$Mn_2^2 = 4,105$	
B (ss)	$B_2^1 = 231, B_2^2 = 208$	$B^3 = 26 \text{ to } 28$
B (pc)	$B_2^2 = 209$	
B* (ss)	$B_1^{*1} = 398, B_1^{*2} = 339$	
Ba (ss)	$Ba_1^2 = 933$	$Ba^3 = 125 \text{ to } 150$
Ba (pc)	$Ba_1^1 = 1,220, Ba_2^2 = 1,064$	
Ba* (ss)	$Ba_2^{*2} = 2,183$	
Cd (ss)	$Cd_1^2 = 12$	
Cd (pc)	$Cd_1^1 = 4$	
Cr (ss)	$Cr_1^1 = 141, Cr_2^2 = 104$	$Cr^3 = 179 \text{ to } 254, Cr^4 = 42 \text{ to } 49$
Cr (pc)	$Cr_1^1 = 794, Cr_2^2 = 479$	
Cr* (ss)	$Cr_2^{*2} = 178$	
Cr* (pc)	$Cr_2^{*2} = 40$	
V (ss)	$V^1 = 429, V^2 = 331$	
Sr (ss)	$Sr^2 = 1,042$	
Sn (pc)	$[Sn^1] = 20, [Sn] = 5$	
W (pc)	$W^2 = 5$	
Hg (pc)	$Hg^2 = 441$	
Au (pc)	$[Au] = 0.2$	

Linear segments forming the curves in most of the cumulative frequency diagrams indicate lognormal distributions. However, the curved form of the log plot and the linear form of the normal plot of the iron stream-sediment sample indicate an arithmetic normal distribution (appendix C). Sample distributions were evaluated and anomaly thresholds were selected by applying statistical and arbitrary graphing methods to the cumulative frequency diagrams. Plotting of anomalies determined by a statistical (Lepeltier)

Table 4. Linear correlation coefficients and bivariate frequencies for stream-sediment samples from the Chandalar C-5 and C-6 Quadrangles. Lower left half of table lists correlation coefficients between element pairs; upper right half of table lists paired frequencies with both elements present as unqualified values. (Coefficient of each element pair computed only from cases for which both elements are present as unqualified values.)

	As	B	Ba	Ba*	B*	Cd	Co	Cr	Cr*	Cu	Fe	Mn	Mo	Ni	Ni*	Pb	Sc	V	Zn	
As	--	197	189	187	187	115	339	363	21	383	365	365	371	367	26	383	192	201	383	As
B	0.1163	--	637	56	56	110	636	692	0	697	697	697	673	689	4	694	656	668	697	B
Ba	0.0769	0.2153	--	56	56	84	592	654	0	659	659	659	635	651	4	656	647	659	659	Ba
Ba*	0.0848	0.4272	0.6280	--	631	203	563	482	230	631	495	494	615	524	235	631	57	57	631	Ba*
B*	-0.0160	0.8270	-0.4589	0.0416	--	203	564	483	230	632	496	495	616	525	235	632	58	58	632	B*
Cd	0.0512	0.1272	0.0063	0.2268	0.1446	--	273	310	0	314	314	314	313	309	3	313	86	87	314	Cd
Co	0.0215	0.2797	0.0835	0.0690	0.0802	0.4616	--	1021	230	1161	1025	1024	1123	1057	238	1158	609	621	1161	Co
Cr	-0.0832	-0.0114	0.0424	-0.0185	0.0409	0.2612	0.0712	--	98	1145	1144	1144	1105	1138	104	1142	674	686	1145	Cr
Cr*	-0.0600	0.0000	0.0000	0.2770	0.3172	0.0000	0.1469	0.0648	--	230	99	98	230	135	228	230	0	0	230	Cr*
Cu	0.5199	0.0382	0.0992	0.1677	0.1194	0.1501	0.1461	-0.0007	0.2854	--	1158	1157	1254	1182	239	1291	679	691	1294	Cu
Fe	0.0267	0.3639	0.1634	-0.0310	0.2469	0.2565	0.3476	0.1711	0.0556	0.1947	--	1157	1118	1146	104	1155	679	691	1158	Fe
Mn	-0.0214	0.0247	0.0512	-0.0934	0.0866	0.2483	0.3130	0.0267	-0.0509	0.0345	0.2744	--	1117	1145	104	1154	679	691	1157	Mn
Mo	0.2350	-0.1196	0.2358	0.4325	-0.0757	-0.0064	-0.0423	-0.0570	-0.0891	0.2718	-0.1152	-0.0806	--	1142	239	1252	655	667	1254	Mo
Ni	0.0047	0.1160	0.1824	0.2139	0.0905	0.5290	0.6153	0.5048	0.2634	0.1505	0.2964	0.1880	0.1527	--	135	1179	671	683	1182	Ni
Ni*	-0.2579	-0.5685	-0.3405	0.6689	0.3086	0.7424	0.5132	0.2281	0.2854	0.6337	0.5868	0.2087	0.5168	0.9283	--	239	4	4	239	Ni*
Pb	0.4804	0.0888	0.0338	0.2597	0.0181	0.0267	0.1312	-0.0423	0.2302	0.2107	0.0187	0.0817	0.1678	0.0878	0.3718	--	676	688	1291	Pb
Sc	-0.0581	-0.1574	0.2270	-0.3692	-0.5902	-0.2451	-0.1055	-0.0321	0.0000	0.1052	-0.0346	-0.1110	0.0797	0.0228	-0.9287	-0.0517	--	679	679	Sc
V	0.0430	0.2966	0.2271	0.4277	-0.0274	0.1668	0.2256	0.0791	0.0000	0.1248	0.3965	0.0783	0.4752	0.3344	0.1024	0.1041	0.0192	--	691	V
Zn	0.3851	0.1397	0.4381	0.3788	0.0807	0.4240	0.5063	0.0296	0.1217	0.2136	0.3552	0.1759	0.3359	0.4993	0.6590	0.4672	-0.0600	0.7125	--	Zn
	As	B	Ba	Ba*	B*	Cd	Co	Cr	Cr*	Cu	Fe	Mn	Mo	Ni	Ni*	Pb	Sc	V	Zn	

method was useful in outlining regions of anomalous and high background concentrations and distinctive metal associations (pls. 2 and 3). These geochemical regions also displayed anomalies determined by another (Sinclair) method, which served to distinguish the magnitude of their associated anomalies.

DISCUSSION OF MULTIVARIATE STATISTICS

Significant element correlations for the stream-sediment and pan-concentrate sample data groups are summarized in tables 6 and 7, respectively. Coefficients listed in tables 4 and 5 are classified by establishing critical regions (where $\rho = 0$) at a 10-percent risk level and selecting the 95 percentile points for the appropriate sample pair frequencies. Significant positive or negative correlation coefficients are those with values beyond the applied critical regions. Coefficients must be interpreted cautiously, in light of variable sample pair frequencies, analytical methods (table 1), and geographic sample distributions (figs. 1, 2, 3 and 4). For example, a positive barium-boron correlation yet negative barium-boron* correlation in the stream-sediment data could be explained by differing geographic distributions of the boron and boron* samples (fig. 1). High positive coefficients between arsenic and arsenic*, boron and boron*, barium and barium*, and nickel and nickel* suggest agreement between the analyses of both laboratories. High correlations of nickel, chromium, vanadium, lead, zinc, and cobalt in the stream-sediment samples occur because of mutual lithologic association. Negative correlations in the stream-sediment data between molybdenum or strontium and such elements as boron, barium, cadmium, cobalt, chromium, iron, and manganese suggest that rocks containing abundant molybdenum and strontium do not contain high concentrations of the negatively correlated elements. The negative correlation of nickel and chromium in pan-concentrates, in contrast to the positive correlation of these elements in stream-sediments, could be caused by selective occurrence of chromium in detrital accessory minerals.

CONCLUSION

Five major regions of the study area, distinguished by element associations and geologic features, are outlined on plates 2 and 3. Significant positive correlations (tables 6 and 7) support many of the element associations within the regions. Anomalies outside the selected regions do occur but are not discussed.

Region I

Region I contains anomalies of copper, lead, zinc, arsenic, antimony, cobalt, nickel, chromium, barium, silver, tin, and tungsten, which appear to be directly or indirectly related to coarse-grained, metamorphosed plutonic rocks (pl. 3). Compositions of these rocks range from granite to granodiorite; textures are well foliated and often relict porphyritic. These rocks form the western portions of a belt of plutonic rocks which extends northeastward from region I for approximately 30 km. The northern portion of region I, or 'Horace Mt. belt,' can be distinguished from the southern portion of region I by its association with anomalous and high background

Table S. Linear correlation coefficients and bivariate frequencies for pan-concentrate samples from the Chandaar C-5 and C-6 Quadrangles. Lower left half of table lists correlation coefficients between element pairs; upper right half of table lists paired frequencies with both elements present as unqualified values. (Coefficient of each element pair computed only from cases for which both elements are present as unqualified values.)

	As	As*	B	Ba	Cd	Co	Cr*	Cr	Cu	Fe	Hg	Mn	Mo	Ni*	Ni	Pb	W	Zn	
As	--	64	209	215	6	215	22	195	215	176	215	176	215	20	177	215	215	215	As
As*	0.8851	--	64	64	13	63	21	45	64	38	64	38	64	20	38	64	64	64	As*
B	-0.0367	0.2191	--	317	70	308	64	255	317	236	317	236	317	63	235	317	317	316	B
Ba	-0.0311	-0.1857	0.1617	--	70	314	64	261	323	242	323	242	323	63	241	323	323	322	Ba
Cd	0.1070	0.0384	0.2198	-0.1057	--	62	3	67	70	67	70	67	70	4	66	70	70	69	Cd
Co	0.0970	-0.1118	0.3426	0.0909	0.5912	--	64	252	314	233	314	232	314	63	232	314	314	314	Co
Cr	0.2257	-0.0698	0.0086	0.2711	0.0000	0.0081	--	2	64	0	64	0	64	62	1	64	64	64	Cr
Cr*	0.0025	-0.0842	-0.1406	0.3239	0.1157	-0.0270	1.0000	--	261	242	261	242	261	1	241	261	261	260	Cr*
Cu	0.1964	0.4430	0.4089	0.1583	0.1900	0.2393	0.0149	-0.2021	--	242	323	242	323	63	241	323	323	322	Cu
Fe	0.0158	0.0497	0.6103	0.1667	0.3052	0.4053	0.0000	-0.1264	0.3991	--	242	242	242	1	240	242	242	241	Fe
Hg	-0.0718	-0.0511	0.1269	0.0725	-0.2839	0.0353	-0.1707	-0.2618	0.1207	0.1733	--	242	323	63	241	323	323	322	Hg
Mn	-0.0118	0.1216	0.5927	0.0709	0.5040	0.6408	0.0000	0.0156	0.2949	0.5623	0.0807	--	242	1	240	242	242	241	Mn
Mo	0.0700	0.0092	-0.2709	0.3368	-0.1938	-0.1952	0.1063	0.0759	0.0241	-0.3443	0.1339	-0.3614	--	63	241	323	323	322	Mo
Ni*	-0.3887	-0.0214	0.4954	0.4099	-0.0695	0.5633	-0.0253	0.0000	0.1801	0.0000	0.0580	0.0000	-0.1650	--	0	63	63	63	Ni*
Ni	0.1477	-0.1150	0.2448	0.0939	0.5909	0.8606	0.0000	-0.2383	0.2081	0.3133	0.1215	0.4266	0.0272	0.0000	--	241	241	240	Ni
Pb	0.0847	0.3157	0.1871	0.1952	0.0762	0.0046	0.3135	-0.0788	0.4371	0.1288	-0.0074	0.0868	0.0689	0.2700	0.0582	--	323	322	Pb
W	-0.0263	-0.0831	0.0409	0.0646	0.2133	0.0198	0.1788	0.0991	0.1388	-0.0130	-0.0715	0.0364	-0.0569	-0.1399	0.0016	0.0513	--	322	W
Zn	-0.0561	-0.0406	0.3157	0.3819	0.5341	0.6579	-0.1141	0.0441	0.3787	0.3883	0.1402	0.4135	0.1702	0.3578	0.6644	0.1641	0.0440	--	Zn
	As	As*	B	Ba	Cd	Co	Cr*	Cr	Cu	Fe	Hg	Mn	Mo	Ni*	Ni	Pb	W	Zn	

Table 6. Significant correlations determined from coefficients between element pairs for stream-sediment sample data (table 4). Correlations are based on coefficients beyond critical regions established at a 10-percent risk level. Very significant positive correlations have coefficients more than one order of magnitude beyond appropriate critical regions.

Correlation results			
	Very significant positive	Significant positive	Significant negative
As		Cu, Mo, Pb, Zn	
B	B*	Ba, Ba*, Co, Fe, Ni, Pb, V, Zn	Mo, Sr
Ba	Ba*, V	Co, Cu, Fe, Mo, Ni, Sr, Zn, B	B*
Ba*	Ba	Cd, Co, Cr*, Cu, Mo, Ni, Ni*, Pb, V, Zn	Mn, Sr
B*	B	Cd, Co, Cr*, Cu, Fe, Mn, Ni, Ni*, Zn	Mo, Sr, Ba
Cd		Co, Cr, Cu, Fe, Mn, Ni, Zn, Ba*, B*	Sr
Co	Ni	Cr, Cr*, Cu, Fe, Mn, Ni*, V, Pb, Zn, B, Ba, Ba*, B*, Cd	Sr
Cr	Ni	Fe, Ni*, V, Cd, Co	Mo
Cr*		Cu, Ni, Ni*, Pb, Zn, Ba*, B*, Co	
Cu		Fe, Mo, Ni, Ni*, Pb, V, Sr, Zn, As, Ba, B*, Ba*, Cd, Co, Cr*	
Fe		Mn, Ni, Ni*, V, Zn, B, Ba, B*, Cd, Co, Cr, Cu	Mo
Mn		Ni, Ni*, Pb, Sr, V, Zn, B*, Cd, Co, Fe	Mo, Ba*
Mo	Zn	Ni, Ni*, Pb, Sr, V, As, Ba, Ba*, Cu	B
Ni	Zn, Co, Cr	Ni*, Pb, V, B, Ba, Ba*, B*, Cd, Cr*, Cu, Fe, Mn, Mo	
Ni*		Pb, Zn, Ba*, B*, Co, Cr, Cr*, Cu, Fe, Mn, Mo, Ni	
Pb	Zn	V, As, B, Ba*, Co, Cr*	
Sr		Ba, Cu, Mn, Mo	B, Ba*, B*, Cd, Co
V	Zn, Ba	B, Ba*, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb	
Zn	Mo, Ni, Pb, V	As, B, Ba, Ba*, B*, Cd, Co, Cr*, Cu, Fe, Mn, Ni*	

Table 7. Significant correlations determined from coefficients between element pairs for pan-concentrate sample data (table 5). Correlations are based on coefficients beyond critical regions established at a 10-percent risk level. Very significant positive correlations have coefficients above an arbitrary cutoff of 0.6.

Correlation results			
	Very significant positive	Significant positive	Significant negative
As	As*	Cu, Ni	Ni*
As*	As	B, Cu, Pb	
B	Fe	Ba, Cd, Co, Cu, Hg, Mn, Ni*, Ni, Pb, Zn, As*	Cr, Mo
Ba		Cr*, Cr, Cu, Fe, Mo, Ni*, Pb, Zn,	
Cd		Co, Fe, Mn, Ni, W, Zn, B	Hg
Co	Mn, Ni, Zn	Cu, Fe, Ni*, B, Cd	Mo
Cr*		Pb, Ba	
Cr		Ba	Cu, Fe, Hg, Ni, B
Cu		Fe, Hg, Mn, Ni, Pb, W, Zn, As, As*, B, Ba, Co	Cr
Fe	B	Hg, Mn, Ni, Pb, Zn, Ba, Cd, Co, Cu	Mo, Cr
Hg		Mo, Ni, Zn, B, Cu, Fe	Cd, Cr
Mn	Co	Ni, Zn, B, Cd, Cu, Fe	Mo
Mo		Zn, Ba, Hg	B, Co, Fe, Mn
Ni*		Pb, Zn, B, Ba, Co	As
Ni	Zn, Co	As, B, Cd, Cu, Fe, Hg, Mn	Cr
Pb		Zn, As*, B, Ba, Cr*, Cu, Fe, Ni*	
W		Cd, Co, Cu	
Zn	Co, Ni	B, Ba, Cd, Cu, Fe, Hg, Mn, Mo, Ni*, Pb	

values of copper. Copper-iron-bearing skarns have been observed at the Evelyn Lee and Venus claims (pl. 1), and are reported in Deyoung (1978). Scattered calc-silicate skarns occur near intrusive contacts throughout region I (pl. 3). Anomalous values of arsenic, antimony, tin, boron, barium and cobalt commonly occur downstream from contact zones of the plutons and could be related to skarn, vein, greisen, porphyry or other hydrothermal mineralization.

Some anomalies of nickel, chromium, lead, and barium which are located within the plutonic belts (or near intrusive contacts) may represent high

background levels of these elements from accessory minerals. For example, chromium substitutes for Fe^{3+} in magnetite (Deer and others, 1966), known to occur as an accessory in the granitic rocks as well as in some skarns of the region. This speculation is supported by the incidence of many of the highest (A-population) chromium pan-concentrate values (app. D) in the southern portion of region I (pl. 3). The negative correlation of copper with chromium in pan-concentrate samples (table 4) may be explained partly by the spatial separation of high backgrounds of these elements (pl. 3).

Region II

Region II, a distinctive belt of anomalous copper occurrences and local lead, zinc, molybdenum, arsenic, silver, iron and tungsten anomalies, corresponds to a known trend of copper-bearing calc-silicate skarns (pl. 3). These small skarns typically occur near the contacts of small aplitic or felsic dikes with marble and calcareous schist (Newberry, Dillon, and Adams, 1986). Greenschist occurs locally but is seldom associated with significant mineralization. Copper sulfides and hydroxides occur at the Ginger claims (pl. 1) where copper grades of up to 0.2 percent are reported (Deyoung, 1978). Garnet-idocrase-epidote skarns at the Hurricane-Diane-Luna claims (pl. 1) contain interstitial chalcopyrite, pyrite, tenorite, and cobalt bloom with copper grades of about 1 percent. Andraditic garnets, which are characteristic of calcic copper-skarns (Einaudi and others, 1981), have been identified in skarns in both region II and the Horace Mt. belt.

Anomalies of zinc and local anomalies of lead, molybdenum, vanadium, barium, and silver are concentrated in the northwest marginal portion of region II and could be taken to represent the distal portion of a copper to zinc-lead geochemical zonation. Although this is a common pattern in many skarn and other hydrothermal systems, zinc-bearing skarns have not been reported there. A series of greenstone and greenschist bodies just to the west of Region II could also account for the peripheral zinc anomalies on plate 3. Levinson (1974) suggested plotting nickel/cobalt and nickel/chromium ratios to distinguish between anomaly sources like stratiform lead-zinc sulfide mineralization (low Ni/Co ratios) or barren mafic rocks (low Ni/Cr ratios).

Region III

Region III, a broad region in the southern C-5 Quadrangle (pl. 3), contains local anomalies of zinc, cobalt, nickel, chromium, barium, manganese, iron, lead, tungsten, and tin, most of which occur downstream from cupola zones of metamorphosed granitic stocks compositionally similar to the granitic gneisses of region I. Small skarns occur locally, but no significant skarn mineralization has been found in region III. This may be due partly to the absence of abundant marble or calcareous lithologies. The few known skarn occurrences in region III, unlike those of regions I and II, lack associated copper anomalies. Cupola zones of intrusions commonly form favorable host or source rocks for hydrothermal mineralization like that seen in a vein, greisen, skarn or porphyry environment; the presence of tin, zinc, arsenic, and antimony anomalies near the metamorphosed stocks is consistent with such mineralization.

Region IV

Anomalous antimony and arsenic ($\pm$ Zn $\pm$ Pb) concentrations characterize region IV of the study area (pl. 3). A fault zone containing stibnite-quartz vein mineralization with elevated antimony, arsenic, molybdenum, mercury, gold, and silver concentrations occurs between marble and graphitic-schist at the south end of Sukakpak Mountain and provides the obvious source for several nearby antimony and arsenic anomalies. Placer gold deposits are found directly below these veins; many gold placers of the Chandalar and Koyukuk districts are thought to be derived from similar type lodes (Dillon, 1982). The Sukakpak Mountain site exhibits features of some southeast Asian antimony-silver-mercury deposits, such as localization in fault zones or metamorphic rocks or both, and replacement of carbonate lithologies (Hutchinson, 1983). Alteration zones associated with the eastern continuation of the fault zone may supply good target areas for future exploration.

Region V

A wide, northeast-southwest-trending belt outlined as region V (pl. 3) is characterized by anomalous concentrations of elements within the suite zinc-lead-molybdenum-cobalt-barium-boron-manganese-vanadium-nickel-chromium. This belt correlates crudely with a package of distinctive graphitic and chloritic quartz schists and phyllite units, and local, thin calcareous or dolomitic schists and marble units. Elsewhere in the Chandalar Quadrangle, anomalies of copper, barium, boron, and vanadium are associated with black shale and phyllite of the Hunt Fork Shale Formation and underlying units (Marsh and others, 1978a,d). A principal component analysis of rocks in the Fairbanks district (Hawkins, 1982) suggested common behaviors of elements within the assemblages cobalt-copper-manganese-nickel-chromium-vanadium and barium-boron-lead-vanadium; the association of elements in Region V and positive correlations from sample data (tables 6 and 7) appear to agree with findings in the Hawkins study.

The northern portion of region V contains more numerous anomalies of zinc, molybdenum, barium, vanadium, and nickel than the southern portion of the region, which contains more numerous anomalies of boron, manganese, chromium, lead, and cobalt. Copper anomalies are confined to the central part of the region. The apparent zonation of anomalies may be caused by high backgrounds of selective elements in differing stratigraphic sequences.

The anomalies in Region V could have formed downstream from stratiform, shale-hosted lead-zinc or other sediment-hosted deposits, although mineralization of this type is not known to exist in the area. These deposits usually form in depositional environments where carbonaceous host rocks with abundant shale-carbonate facies changes are present (Gustafson and Williams, 1981).

Some lead, zinc, and molybdenum anomalies in the eastern portion of Region V occur downstream from contacts of graphitic-schist with carbonate. Anomalies like these can be caused by the introduction of bicarbonate into stream waters, an increase in pH and consequent metal precipitation (Levinson, 1974).

Samples 449 and 501 contain relatively higher mercury, lead, and gold backgrounds and are located near a fault. This area should probably be inspected for auriferous antimony-arsenic quartz veins like those observed near Sukakpak Mountain.

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APPENDIX A. Analytical results for 1,319 stream-sediment samples from the Chandalar C-5 and C-6 Quadrangles.

Table 1 of the main report lists analytical methods and detection limits. Values are reported in parts per million (ppm) except for mercury which is reported in parts per billion (ppb). Qualified values are preceded by '-' (less than) or '+' (greater than) and values not determined are listed as 'nd.' Anomalous values determined from the threshold values listed in table 3 are underlined. Analytical values determined by Bondar-Clegg, Ltd. are reported in separate columns labeled Ni*, Cr*, B*, and Ba*.

APPENDIX A
Analytical data for stream sediments

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
1	13219	8401	46	9	138	0.2	7	-1	-10	20	50	nd	42300	705	104	nd	706	nd	3	42	nd	178	113	-1
3	13218	8400	50	9	168	0.2	8	-1	-10	21	53	nd	43100	726	99	nd	714	nd	3	40	nd	169	119	-1
4	13217	8399	106	19	740	0.6	16	-1	-10	26	144	nd	42600	426	105	nd	957	nd	10	36	nd	298	78	-1
4	13217d	8399d	107	17	736	0.6	16	-1	-10	26	144	nd	42700	428	nd	nd	nd	nd	10	36	nd	nd	nd	nd
5	13216	8398	48	10	132	0.1	4	-1	-10	23	51	nd	49800	848	90	nd	553	nd	2	42	nd	154	102	-1
6	13215	8397	36	8	97	0.1	2	-1	-10	22	43	nd	49100	895	114	nd	467	nd	1	41	nd	150	102	-1
7	13213	8396	36	9	93	-0.1	2	-1	-10	23	42	nd	49900	954	112	nd	487	nd	1	42	nd	161	99	-1
8	13211	8395	29	9	105	-0.1	3	-1	-10	10	38	nd	23400	381	74	nd	476	nd	2	33	nd	120	123	-1
9	9028	7645	33	9	70	-0.1	2	-1	-10	22	nd	26	nd	nd	nd	105	nd	390	-1	nd	150	nd	nd	nd
10	13210	8394	40	13	66	-0.1	2	-1	-10	25	52	nd	36500	3530	169	nd	390	nd	1	39	nd	112	69	-1
11	9259	7769	25	8	80	-0.1	2	-1	-10	17	43	28	32600	552	nd	60	nd	560	-1	36	30	nd	nd	nd
12	9258	7768	26	11	90	-0.1	2	-1	-10	19	44	32	36200	611	nd	85	nd	670	-1	40	100	nd	nd	nd
13	9256	7767	24	9	81	-0.1	2	-1	-10	16	43	32	33200	646	nd	85	nd	630	-1	39	100	nd	nd	nd
14	9255	7766	27	8	82	-0.1	2	-1	-10	19	47	32	35000	573	nd	85	nd	720	-1	40	100	nd	nd	nd
15	9253	7765	21	8	106	-0.1	1	-1	-10	19	47	33	39400	641	nd	85	nd	550	-1	42	100	nd	nd	nd
16	9252	7764	26	9	78	-0.1	2	-1	-10	18	46	32	32200	556	nd	90	nd	690	-1	43	100	nd	nd	nd
17	9250	7763	26	11	84	-0.1	2	-1	-10	18	47	32	36000	480	nd	90	nd	680	-1	49	100	nd	nd	nd
18	9249	7762	39	10	92	-0.1	3	-1	-10	21	54	40	37000	540	nd	75	nd	820	-1	49	100	nd	nd	nd
18	9249d	7762d	39	10	92	0.1	3	-1	-10	22	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
19	9248	7761	29	10	77	-0.1	1	-1	-10	25	53	31	44300	2550	nd	80	nd	450	-1	60	100	nd	nd	nd
20	9247	7760	38	12	96	-0.1	2	-1	-10	24	47	34	46200	661	nd	100	nd	540	-1	57	100	nd	nd	nd
21	9244	7758	38	12	96	-0.1	3	-1	-10	19	44	32	34500	659	nd	115	nd	590	-1	40	150	nd	nd	nd
22	9245	7759	32	9	88	-0.1	2	-1	-10	18	42	28	42800	680	nd	115	nd	430	-1	48	150	nd	nd	nd
23	9243	7757	45	13	130	-0.1	2	-1	-10	24	58	46	45500	675	nd	100	nd	890	-1	51	100	nd	nd	nd
24	9241	7756	27	10	79	0.1	1	-1	-10	21	44	35	40400	589	nd	125	nd	550	-1	48	100	nd	nd	nd
25	9240	7755	28	8	79	-0.1	1	-1	-10	21	44	34	41400	650	nd	110	nd	470	-1	48	100	nd	nd	nd
26	9440	7910	22	12	66	-0.1	-1	-1	21	14	32	nd	40500	531	nd	120	nd	460	-1	24	nd	nd	nd	nd
26	9440d	7910d	21	13	65	-0.1	1	-1	-10	14	31	nd	40600	519	nd	nd	nd	nd	-1	25	nd	nd	nd	nd
27	9439	7909	28	13	92	-0.1	1	-1	-10	16	37	nd	52900	704	nd	130	nd	580	-1	33	nd	nd	nd	nd
28	9442	7911	17	8	58	-0.1	1	-1	-10	11	29	nd	34800	449	nd	105	nd	410	-1	22	nd	nd	nd	nd
29	9444	7912	45	18	119	0.1	4	-1	11	19	44	nd	45800	1040	nd	105	nd	1100	-1	26	nd	nd	nd	nd
30	9445	7913	26	12	79	-0.1	2	-1	-10	15	35	nd	42900	561	nd	115	nd	650	-1	27	nd	nd	nd	nd
31	9447	7914	21	11	63	-0.1	2	-1	-10	11	30	nd	34400	480	nd	95	nd	560	-1	21	nd	nd	nd	nd
32	9448	7915	34	16	106	0.2	4	-1	-10	10	34	nd	26800	430	nd	60	nd	720	2	18	nd	nd	nd	nd
33	9449	7916	29	15	82	0.1	4	5	-10	10	32	nd	27300	426	nd	65	nd	650	2	17	nd	nd	nd	nd
34	9451	7917	31	15	78	-0.1	2	-1	-10	16	34	nd	42700	498	nd	145	nd	610	-1	22	nd	nd	nd	nd
35	9452	7918	26	14	76	0.1	3	-1	-10	-10	30	nd	27600	429	nd	65	nd	680	-1	18	nd	nd	nd	nd
36	9453	7919	30	14	92	0.1	3	-1	-10	-10	29	nd	27100	408	nd	65	nd	630	1	24	nd	nd	nd	nd
37	9455	7920	29	13	65	-0.1	3	-1	-10	15	31	nd	40000	647	nd	80	nd	300	-1	22	nd	nd	nd	nd
37	9455d	7920d	28	14	62	-0.1	3	-1	-10	15	30	nd	39400	634	nd	nd	nd	nd	-1	26	nd	nd	nd	nd
38	9456	7921	27	12	64	-0.1	2	-1	-10	13	29	nd	36700	641	nd	75	nd	490	-1	26	nd	nd	nd	nd
39	9457	7922	33	12	154	0.1	2	-1	-10	15	46	nd	43700	818	nd	75	nd	720	1	30	nd	nd	nd	nd
40	9036	7651	47	10	68	-0.1	-1	-1	-10	24	nd	31	nd	nd	nd	100	nd	350	-1	nd	150	nd	nd	nd
41	9035	7650	39	10	63	-0.1	1	-1	-10	24	nd	30	nd	nd	nd	95	nd	320	-1	nd	150	nd	nd	nd
41	9035d	7650d	40	9	64	-0.1	1	-1	-10	24	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
42	9032	7648	38	10	58	-0.1	-1	-1	-10	22	nd	28	nd	nd	nd	95	nd	300	-1	nd	150	nd	nd	nd
43	9034	7649	44	9	73	-0.1	1	-1	-10	27	nd	32	nd	nd	nd	95	nd	340	-1	nd	150	nd	nd	nd
44	9031	7647	41	9	60	-0.1	1	-1	-10	23	nd	30	nd	nd	nd	100	nd	290	-1	nd	100	nd	nd	nd
45	9817	8210	44	10	141	0.2	8	-1	-10	13	48	nd	34900	366	nd	86	nd	642	-1	32	nd	148	197	-1
46	9818	8211	44	12	135	0.3	5	-1	-10	14	46	nd	44400	295	104	nd	833	nd	-1	35	nd	139	185	-1
47	9820	8212	62	15	172	0.3	7	-1	-10	18	62	nd	44900	595	88	nd	+1000	nd	-1	36	nd	233	383	-1
48	9821	8213	28	8	117	0.2	4	-1	-10	11	37	nd	41600	223	124	nd	816	nd	-1	33	nd	134	133	-1

Hap number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	Bt	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
49	9822	8214	65	14	229	0.3	15	-1	-10	15	70	nd	35800	367	96	nd	+1000	nd	-1	24	nd	234	147	-1
50	9823	8215	50	13	82	0.1	3	-1	-10	17	42	nd	52200	639	43	nd	nd	nd	-1	44	nd	93	167	-1
51	9825	8216	38	10	114	-0.1	4	-1	-10	17	52	nd	46700	561	134	nd	792	nd	-1	39	nd	202	153	-1
52	9826	8217	35	8	74	-0.1	2	-1	-10	21	39	nd	58100	1080	61	nd	459	nd	-1	50	nd	124	105	-1
53	9828	8218	25	6	67	0.1	2	-1	-10	17	34	nd	46000	626	92	nd	419	nd	1	40	nd	99	107	-1
54	9829	8219	29	6	67	-0.1	2	-1	-10	18	35	nd	47600	740	93	nd	465	nd	-1	41	nd	114	132	-1
55	9830	8220	28	6	68	-0.1	2	-1	-10	18	32	nd	42200	762	67	nd	465	nd	-1	44	nd	nd	nd	nd
56	9831	8221	32	5	70	-0.1	2	-1	-10	20	148	nd	48100	929	67	nd	346	nd	-1	289	nd	147	228	-1
57	9832	8222	30	4	75	-0.1	1	-1	-10	18	33	nd	44800	1280	70	nd	161	nd	-1	43	nd	108	127	-1
58	9834	8223	28	5	66	-0.1	1	-1	-10	18	34	nd	42400	1040	55	nd	147	nd	-1	45	nd	97	108	-1
58	9834d	8223d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1040	58	nd	145	nd	-1	45	nd	89	117	-1
59	9835	8224	27	5	81	-0.1	1	-1	-10	19	37	nd	48000	1460	52	nd	173	nd	-1	51	nd	95	141	-1
59	9836	8225	32	3	62	-0.1	2	-1	-10	19	37	nd	40000	1490	76	nd	222	nd	-1	51	nd	129	131	-1
60	9846	8232	46	8	154	0.3	9	-1	-10	21	57	nd	47700	485	69	nd	120	nd	-1	43	nd	74	154	-1
61	9845	8231	49	9	157	0.2	7	-1	-10	22	55	nd	51500	672	84	nd	603	nd	-1	37	nd	150	483	-1
62	9839	8227	38	8	112	0.1	3	-1	-10	15	43	nd	37500	573	72	nd	723	nd	-1	50	nd	180	371	-1
63	9838	8226	40	9	103	0.2	4	-1	-10	15	50	nd	42600	429	83	nd	723	nd	-1	52	nd	176	421	-1
64	9840	8228	28	7	87	0.1	3	-1	-10	16	41	nd	41500	537	74	nd	483	nd	-1	52	nd	155	203	-1
65	9842	8229	75	14	256	0.3	36	-1	-10	20	164	nd	48800	437	61	nd	483	nd	-1	39	nd	141	282	-1
65	9842d	8229d	76	13	267	0.4	38	-1	-10	19	161	nd	49700	441	73	nd	+1000	nd	-1	39	nd	294	443	-1
66	9843	8230	59	10	187	0.1	8	-1	-10	24	80	nd	57700	731	76	nd	696	nd	-1	28	nd	161	492	-1
67	9846	8234	22	5	109	-0.1	4	-1	-10	13	37	nd	34500	452	65	nd	679	nd	-1	35	nd	166	351	-1
68	9847	8233	50	11	171	0.2	11	-1	-10	18	65	nd	42400	617	82	nd	+1000	nd	-1	34	nd	213	730	-1
69	9039	7653	53	25	102	0.1	1	-1	-10	37	nd	50	nd	nd	nd	320	nd	650	-1	nd	150	nd	nd	nd
70	9020	7638	36	10	73	-0.1	2	-1	-10	27	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
71	9019	7637	37	9	74	-0.1	2	-1	-10	27	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
72	9018	7636	40	9	78	-0.1	2	-1	-10	25	nd	27	nd	nd	nd	140	nd	400	-1	nd	150	nd	nd	nd
73	9017	7635	31	6	67	-0.1	2	-1	-10	22	nd	24	nd	nd	nd	125	nd	310	-1	nd	100	nd	nd	nd
74	9015	7634	32	7	52	-0.1	2	-1	-10	21	nd	25	nd	nd	nd	100	nd	210	-1	nd	100	nd	nd	nd
75	9013	7633	36	6	64	0.1	2	-1	-10	22	nd	27	nd	nd	nd	115	nd	260	-1	nd	150	nd	nd	nd
76	9030	7646	43	9	65	-0.1	1	-1	-10	25	nd	32	nd	nd	nd	110	nd	290	-1	nd	150	nd	nd	nd
77	9027	7644	44	11	62	-0.1	1	-1	-10	24	nd	30	nd	nd	nd	105	nd	310	-1	nd	100	nd	nd	nd
78	9026	7643	44	11	75	-0.1	1	-1	-10	26	nd	35	nd	nd	nd	120	nd	430	-1	nd	150	nd	nd	nd
79	9025	7642	42	9	71	-0.1	2	-1	-10	26	nd	33	nd	nd	nd	115	nd	330	-1	nd	150	nd	nd	nd
80	9024	7641	43	14	80	-0.1	2	-1	-10	25	nd	32	nd	nd	nd	200	nd	400	-1	nd	150	nd	nd	nd
81	9022	7640	56	12	72	-0.1	2	-1	-10	26	nd	40	nd	nd	nd	170	nd	350	-1	nd	150	nd	nd	nd
81	9022d	7640d	58	15	75	-0.1	1	-1	-10	27	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
82	9021	7639	36	7	64	-0.1	2	-1	-10	23	nd	30	nd	nd	nd	130	nd	300	-1	nd	100	nd	nd	nd
83	9659	8083	51	15	75	-0.1	2	-1	-10	33	46	nd	45700	5760	152	nd	489	nd	-1	26	nd	137	226	-1
84	9660	8084	56	16	81	-0.1	-1	-1	-10	35	51	nd	47100	6080	156	nd	552	nd	-1	31	nd	129	232	-1
85	9472	7934	37	13	74	-0.1	-1	-1	-10	23	33	nd	58300	991	nd	120	nd	320	-1	28	nd	nd	nd	nd
86	9473	7935	42	17	90	-0.1	-1	-1	-10	25	36	nd	66000	1240	nd	150	nd	510	-1	35	nd	nd	nd	nd
87	9474	7936	35	15	91	-0.1	1	-1	-10	21	30	nd	57500	1090	nd	140	nd	520	-1	31	nd	nd	nd	nd
88	9475	7937	39	12	73	-0.1	-1	-1	-10	22	35	nd	60400	1520	nd	90	nd	290	-1	30	nd	nd	nd	nd
89	9476	7938	30	11	61	-0.1	1	-1	-10	18	33	nd	52100	765	nd	100	nd	350	-1	44	nd	nd	nd	nd
90	9477	7939	50	12	83	-0.1	-1	-1	-10	27	41	nd	67400	1470	nd	95	nd	270	-1	29	nd	nd	nd	nd
91	9478	7940	39	12	69	-0.1	-1	-1	-10	23	35	nd	58700	1290	nd	105	nd	270	-1	28	nd	nd	nd	nd
91	9478d	7940d	40	12	70	-0.1	-1	-1	-10	24	35	nd	59600	1330	nd	105	nd	270	-1	28	nd	nd	nd	nd
92	9037	7652	52	11	88	-0.1	1	-1	-10	24	nd	30	nd	nd	nd	105	nd	460	-1	nd	200	nd	nd	nd
93	9470	7933	36	11	54	-0.1	2	-1	-10	23	57	nd	46200	1740	nd	105	nd	260	-1	67	nd	nd	nd	nd
94	9469	7932	24	11	47	-0.1	1	-1	-10	15	25	nd	42200	759	nd	95	nd	280	-1	19	nd	nd	nd	nd
95	9467	7931	32	12	55	-0.1	-1	-1	-10	20	34	nd	45500	1630	nd	120	nd	290	-1	29	nd	nd	nd	nd
96	9466	7930	27	12	57	-0.1	-1	-1	-10	18	25	nd	46800	1030	nd	100	nd	350	-1	32	nd	nd	nd	nd
96	9466d	7930d	31	13	67	-0.1	1	-1	-10	19	28	nd	52700	1180	nd	120	nd	290	-1	33	nd	nd	nd	nd
97	9465	7929	32	13	61	-0.1	-1	-1	-10	22	36	nd	48700	1800	nd	120	nd	290	-1	23	nd	nd	nd	nd
98	9464	7928	39	15	73	-0.1	-1	-1	-10	25	43	nd	50300	1740	nd	140	nd	340	-1	22	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Hg	Sb	As	Co	Ni	Ni*	Fe	Mn	B	Bt	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
99	9463	7927	31	13	91	-0.1	-1	-1	-10	21	33	nd	61300	924	nd	95	nd	390	-1	36	nd	nd	nd	nd
100	9461	7925	30	13	53	-0.1	-1	-1	-10	20	33	nd	42400	2020	nd	105	nd	280	-1	21	nd	nd	nd	nd
101	9462	7926	35	13	97	-0.1	-1	-1	-10	20	34	nd	55700	2240	nd	110	nd	370	-1	38	nd	nd	nd	nd
102	9460	7924	33	13	77	-0.1	-1	-1	-10	19	42	nd	44800	1360	nd	145	nd	480	-1	45	nd	nd	nd	nd
103	9459	7923	36	12	70	-0.1	-1	-1	-10	20	36	nd	49700	1160	nd	135	nd	390	-1	23	nd	nd	nd	nd
104	9641	8069	26	11	76	-0.1	1	-1	-10	16	34	nd	40100	718	87	nd	281	nd	-1	37	nd	122	751	-1
104	9641d	8069d	26	11	72	-0.1	1	-1	-10	17	34	nd	36500	686	nd	nd	nd	nd	-1	39	nd	nd	nd	nd
105	9642	8070	26	9	78	-0.1	-1	-1	-10	16	32	nd	42600	967	77	nd	223	nd	-1	34	nd	106	637	-1
106	9644	8071	35	11	95	-0.1	-1	-1	-10	21	39	nd	50200	967	87	nd	299	nd	-1	43	nd	141	619	-1
107	9647	8073	31	11	61	-0.1	-1	-1	-10	18	31	nd	37800	1140	76	nd	147	nd	-1	31	nd	74	915	-1
108	9646	8072	28	8	65	-0.1	-1	-1	-10	16	49	nd	38000	1160	22	nd	66	nd	-1	87	nd	42	312	-1
109	9648	8074	21	10	65	-0.1	-1	-1	-10	14	31	nd	35600	607	63	nd	141	nd	-1	32	nd	57	833	-1
110	9650	8075	27	10	71	-0.1	-1	-1	-10	17	35	nd	41600	1160	62	nd	135	nd	-1	38	nd	72	602	-1
111	9651	8076	30	10	77	-0.1	2	-1	-10	21	42	nd	44100	1280	59	nd	139	nd	-1	47	nd	75	693	-1
112	13203	8390	28	7	70	-0.1	2	-1	-10	21	58	nd	51500	1240	102	nd	273	nd	-1	111	nd	227	76	-1
113	13202	8389	39	4	43	-0.1	2	-1	-10	12	30	nd	22800	819	38	nd	171	nd	2	35	nd	75	89	-1
113	13202d	8389d	40	4	46	-0.1	2	-1	-10	11	27	nd	24600	856	nd	nd	nd	nd	1	31	nd	75	89	-1
114	13201	8388	42	12	61	-0.1	2	-1	-10	27	42	nd	38700	3760	137	nd	315	nd	1	31	nd	125	89	-1
115	13204	8391	35	12	65	-0.1	2	-1	-10	23	44	nd	38900	2650	115	nd	294	nd	2	35	nd	105	111	-1
116	13206	8392	18	6	58	-0.1	2	-1	-10	12	35	nd	27200	837	98	nd	234	nd	-1	42	nd	87	260	-1
117	13207	8393	31	9	61	-0.1	3	-1	-10	19	40	nd	37800	1360	111	nd	309	nd	1	36	nd	114	211	-1
118	9903	8277	44	12	120	-0.1	3	-1	-10	23	56	nd	52100	669	95	nd	+	nd	-1	51	nd	232	790	-1
119	9657	8082	24	11	59	-0.1	2	-1	20	15	33	nd	35200	669	85	nd	427	nd	-1	34	nd	103	907	-1
120	9656	8081	22	11	55	-0.1	3	-1	-10	13	28	nd	33600	676	82	nd	412	nd	-1	30	nd	78	940	-1
121	9655	8080	41	11	88	-0.1	3	-1	-18	21	45	nd	50100	600	122	nd	594	nd	-1	51	nd	138	940	-1
122	9654	8079	33	10	75	-0.1	3	-1	-10	18	36	nd	42900	693	92	nd	340	nd	-1	37	nd	111	+1000	-1
122	9654d	8079d	38	10	85	-0.1	3	-1	-10	17	34	nd	43300	755	nd	nd	nd	nd	2	41	nd	nd	nd	nd
123	9652	8077	31	11	64	-0.1	3	-1	-10	17	34	nd	33700	652	71	nd	195	nd	-1	35	nd	79	799	-1
123	9652d	8077d	123	11	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	64	nd	190	nd	nd	nd	nd	74	717	-1
124	9653	8078	23	11	46	-0.1	1	-1	-10	13	27	nd	29800	583	50	nd	112	nd	-1	29	nd	59	899	-1
125	9481	7942	29	15	52	-0.1	1	-1	-10	16	32	nd	40600	616	100	nd	-1000	nd	-1	22	nd	nd	nd	nd
126a	9480	7941	38	16	68	-0.1	1	-1	-10	20	37	nd	49300	679	100	nd	-1000	nd	-1	22	nd	nd	nd	nd
126b	9260	7770	25	10	69	-0.1	1	-1	-10	24	40	nd	40600	2610	nd	125	nd	420	-1	34	100	nd	nd	nd
127	9261	7771	28	6	88	-0.1	1	-1	-10	21	38	nd	39300	747	nd	105	nd	420	-1	41	100	nd	nd	nd
128	9262	7772	23	8	66	-0.1	1	-1	-10	21	33	nd	38300	2990	nd	110	nd	350	-1	35	100	nd	nd	nd
128	9262d	7772d	21	9	64	-0.1	1	-1	-10	20	31	nd	42500	2370	nd	nd	nd	nd	-1	31	nd	nd	nd	nd
129	9482	7943	37	17	105	-0.1	1	-1	-10	17	45	nd	41900	475	150	nd	-1000	nd	4	32	nd	nd	nd	nd
130	9264	7773	23	10	59	-0.1	1	-1	-10	22	36	nd	36200	2910	nd	90	nd	300	-1	32	100	nd	nd	nd
131	9484	7945	35	17	71	-0.1	1	-1	-10	18	39	nd	43200	572	100	nd	-1000	nd	4	30	nd	nd	nd	nd
132	9483	7944	30	13	76	-0.1	1	-1	-10	10	26	nd	17300	594	100	nd	-1000	nd	2	21	nd	nd	nd	nd
133	9485	7946	30	16	52	-0.1	1	-1	-10	17	36	nd	34100	627	100	nd	-1000	nd	3	24	nd	nd	nd	nd
134	9366	7855	29	8	49	-0.1	4	-1	-10	24	52	nd	nd	nd	nd	80	nd	220	-1	nd	100	nd	nd	nd
135	9364	7854	25	9	50	-0.1	3	-1	-10	22	49	nd	nd	nd	nd	70	nd	240	-1	nd	50	nd	nd	nd
136	9492	7951	26	14	46	-0.1	2	-1	-10	17	35	nd	29900	580	100	nd	-1000	nd	3	22	nd	nd	nd	nd
137a	9490	7950	32	16	63	-0.1	2	-1	-10	15	43	nd	38000	620	100	nd	-1000	nd	3	24	nd	nd	nd	nd
137b	9489	7949	30	16	48	-0.1	2	-1	-10	15	34	nd	31700	617	100	nd	-1000	nd	3	23	nd	nd	nd	nd
138	9488	7948	60	19	80	-0.1	2	-1	-10	21	46	nd	47800	646	100	nd	-1000	nd	4	38	nd	nd	nd	nd
139	9487	7947	30	16	63	-0.1	2	-1	-10	17	36	nd	38200	543	100	nd	-1000	nd	3	23	nd	nd	nd	nd
140	9266	7774	28	4	59	-0.1	1	-1	-10	24	39	nd	41100	1890	nd	80	nd	280	-1	35	100	nd	nd	nd
141	9268	7776	22	6	48	-0.1	1	-1	-10	18	32	nd	30000	999	nd	70	nd	240	-1	25	100	nd	nd	nd
142	9267	7775	19	8	53	-0.1	1	-1	-10	18	34	nd	32400	558	nd	95	nd	310	-1	27	100	nd	nd	nd
143	9269	7777	38	5	51	-0.1	1	-1	-10	23	38	nd	36300	2600	nd	100	nd	250	-1	29	100	nd	nd	nd
144	9271	7778	37	7	56	-0.1	1	-1	-10	25	40	nd	38300	2690	nd	90	nd	270	-1	30	100	nd	nd	nd
145	9498	7956	24	14	74	-0.1	3	-1	-10	17	43	nd	43000	529	100	nd	-1000	nd	3	33	nd	nd	nd	nd
146	9497	7955	24	13	68	-0.1	5	-1	-10	16	44	nd	40800	534	100	nd	-1000	nd	3	32	nd	nd	nd	nd
147	9496	7954	24	15	71	-0.1	4	-1	-10	17	43	nd	42000	528	70	nd	-1000	nd	4	35	nd	nd	nd	nd

Hap number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	Br*	Ba	Pb*	Cd	Cr	Cr*	V	Sr	Re
148	9495	7953	37	15	88	-0.1	2	-1	-10	21	54	nd	49600	479	100	nd	-1000	nd	4	37	nd	nd	nd	nd
148	9495d	7953d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	-1000	nd	nd	nd	nd	nd	nd	nd
149	9494	7952	29	15	76	-0.1	2	-1	-10	18	39	36	44500	745	100	125	-1000	nd	3	28	150	nd	nd	nd
150	9040	7654	53	15	82	0.1	1	-1	-10	30	nd	nd	nd	nd	nd	nd	nd	660	-1	nd	nd	nd	nd	nd
151	9041	7655	52	12	73	-0.1	1	-1	-10	33	nd	48	nd	nd	nd	110	nd	400	-1	nd	150	nd	nd	nd
152	9042	7656	55	11	97	-0.1	2	-1	-10	35	nd	48	nd	nd	nd	145	nd	650	-1	nd	150	nd	nd	nd
153	9043	7657	45	9	87	-0.1	1	-1	-10	27	nd	39	nd	nd	nd	145	nd	570	-1	nd	150	nd	nd	nd
154	9045	7658	44	11	95	-0.1	2	-1	-10	29	nd	40	nd	nd	nd	150	nd	720	-1	nd	150	nd	nd	nd
155	9046	7659	27	6	65	-0.1	2	-1	-10	21	nd	26	nd	nd	nd	165	nd	340	-1	nd	100	nd	nd	nd
156	9047	7660	26	5	60	-0.1	2	-1	-10	19	nd	25	nd	nd	nd	160	nd	320	-1	nd	100	nd	nd	nd
156	9047d	7660d	26	6	59	-0.1	1	-1	-10	19	nd	25	nd	nd	nd	160	nd	320	-1	nd	100	nd	nd	nd
157	9049	7661	29	8	69	-0.1	2	-1	-10	21	nd	27	nd	nd	nd	165	nd	370	-1	nd	100	nd	nd	nd
158	9272	7779	32	6	49	-0.1	1	-1	-10	20	34	25	31700	1960	nd	85	nd	240	-1	26	100	nd	nd	nd
159	9274	7781	25	6	74	-0.1	1	-1	-10	22	39	28	40300	643	nd	100	nd	450	-1	36	100	nd	nd	nd
160	9273	7780	22	9	55	-0.1	2	-1	-10	21	38	24	34200	1220	nd	95	nd	260	-1	32	150	nd	nd	nd
161	9275	7782	34	7	51	-0.1	1	-1	-10	21	37	28	34200	2480	nd	75	nd	260	-1	28	50	nd	nd	nd
161	9275d	7782d	33	9	50	-0.1	2	-1	-10	22	36	24	38900	2130	nd	80	nd	260	-1	25	nd	nd	nd	nd
162	9277	7783	21	8	55	-0.1	1	-1	-10	18	34	22	30100	777	nd	80	nd	330	-1	30	100	nd	nd	nd
163	9278	7784	36	12	79	-0.1	1	-1	-10	26	48	33	46900	2460	nd	100	nd	510	-1	42	150	nd	nd	nd
164	9279	7785	25	10	56	-0.1	2	-1	-10	20	39	24	31700	1010	nd	80	nd	270	-1	32	100	nd	nd	nd
165	9281	7786	28	9	48	-0.1	1	-1	-10	20	34	23	33900	2200	nd	75	nd	230	-1	31	50	nd	nd	nd
166	9283	7788	19	8	52	0.1	1	-1	-10	18	33	22	28300	1380	nd	95	nd	270	-1	34	100	nd	nd	nd
167	9282	7787	20	8	59	0.1	1	-1	-10	17	34	23	33300	879	nd	120	nd	310	-1	37	100	nd	nd	nd
168	9284	7789	14	9	42	-0.1	1	-1	-10	14	28	18	24500	941	nd	90	nd	210	-1	30	100	nd	nd	nd
169	9285	7790	22	9	48	0.1	1	-1	-10	17	32	21	28300	1400	nd	90	nd	240	-1	31	50	nd	nd	nd
170	9286	7791	39	11	60	-0.1	1	-1	-10	24	45	35	33500	2300	nd	110	nd	470	-1	36	100	nd	nd	nd
171	9287	7792	27	10	59	-0.1	2	-1	-10	22	40	26	36000	1670	nd	80	nd	340	-1	36	100	nd	nd	nd
171	9287d	7792d	27	7	57	-0.1	1	-1	-10	21	38	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
172	9905	8279	27	6	113	-0.1	3	-1	-10	17	42	nd	41300	1920	109	nd	652	nd	-1	47	nd	148	295	-1
172	9905d	8279d	27	8	108	-0.1	1	-1	-10	17	45	nd	40700	1940	109	nd	685	nd	-1	42	nd	163	331	-1
173	9904	8278	7	3	50	-0.1	2	-1	-10	10	16	nd	20900	312	99	nd	446	nd	-1	28	nd	92	189	-1
174	9906	8280	14	7	99	-0.1	2	-1	-10	15	37	nd	34400	1970	109	nd	673	nd	-1	37	nd	118	127	-1
175	9288	7793	20	9	59	-0.1	1	-1	-10	17	31	23	30900	1440	nd	105	nd	310	-1	47	100	nd	nd	nd
176	9290	7794	25	12	51	-0.1	2	-1	-10	19	35	26	35200	1460	nd	80	nd	270	-1	31	100	nd	nd	nd
177	9291	7795	45	13	73	-0.1	2	-1	-10	28	45	33	51200	4350	nd	150	nd	510	-1	37	100	nd	nd	nd
178	9292	7796	31	10	57	-0.1	3	-1	-10	19	35	25	34000	1980	nd	90	nd	350	-1	29	100	nd	nd	nd
179	9293	7797	29	6	45	-0.1	3	-1	-10	18	29	21	39400	1020	nd	75	nd	190	-1	29	100	nd	nd	nd
180	9297	7800	29	10	53	-0.1	2	-1	-10	21	39	28	38700	1610	nd	100	nd	290	-1	26	50	nd	nd	nd
181	9294	7798	25	9	49	-0.1	2	-1	-10	19	33	25	37000	1500	nd	120	nd	340	-1	29	50	nd	nd	nd
182	9295	7799	31	9	53	-0.1	3	-1	-10	22	39	30	43700	2060	nd	95	nd	280	-1	27	50	nd	nd	nd
183	9343	7837	36	11	64	0.1	1	-1	-10	22	42	30	43200	1290	nd	85	nd	350	-1	29	150	nd	nd	nd
184	9342	7836	29	9	54	0.1	1	-1	-10	19	34	23	41100	1010	nd	80	nd	230	-1	27	100	nd	nd	nd
185	9341	7835	41	10	55	0.1	1	-1	-10	24	44	28	44300	1970	nd	95	nd	340	-1	30	100	nd	nd	nd
186	9866	8248	30	7	62	-0.1	2	-1	-10	17	32	nd	35800	1690	98	nd	225	nd	-1	31	nd	83	551	-1
187	9865	8247	31	6	94	-0.1	3	-1	-10	15	34	nd	37900	925	42	nd	168	nd	-1	33	nd	63	177	-1
188	9864	8246	42	6	175	-0.1	3	-1	-10	10	110	nd	66100	1570	71	nd	362	nd	10	104	nd	92	190	-1
189	9862	8245	38	8	132	-0.1	3	-1	-10	20	42	nd	50000	1160	58	nd	320	nd	-1	44	nd	115	195	-1
190	9861	8244	38	7	135	-0.1	4	-1	-10	22	46	nd	53200	1530	50	nd	289	nd	-1	47	nd	126	130	-1
191	9860	8243	39	8	160	0.2	6	-1	-10	18	42	nd	41800	907	48	nd	627	nd	-1	39	nd	157	178	-1
192	9858	8242	37	7	108	-0.1	3	-1	-10	19	36	nd	45000	1050	61	nd	425	nd	-1	37	nd	133	155	-1
193	9857	8241	57	10	218	0.2	7	-1	-10	18	54	nd	42000	1230	46	nd	490	nd	2	34	nd	149	187	-1
193	9857d	8241d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	62	nd	427	nd	nd	nd	nd	187	187	-1
194	9856	8240	30	7	137	-0.1	2	-1	-10	17	33	nd	49800	584	69	nd	426	nd	-1	42	nd	134	188	-1
195	9855	8239	37	5	104	-0.1	4	-1	-10	21	42	nd	47000	1250	58	nd	338	nd	-1	48	nd	108	234	-1
195	9855d	8239d	36	6	104	-0.1	3	-1	-10	20	40	nd	45300	1200	nd	nd	200	nd	-1	42	nd	108	234	-1
196	9853	8238	31	5	94	-0.1	3	-1	-10	16	33	nd	42400	919	84	nd	213	nd	-1	40	nd	124	189	-1

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Be	Ba*	Cd	Cr	Cr*	V	Sr	Be
197	9852	8237	31	5	93	-0.1	2	-1	-10	18	34	nd	46700	1160	78	nd	261	nd	-1	42	nd	122	195	-1
198	9851	8236	19	7	271	-0.1	3	-1	-10	17	42	nd	48100	2120	86	nd	500	nd	-1	42	nd	149	233	-1
199	9850	8235	20	5	67	-0.1	2	-1	-10	16	28	nd	37800	1020	84	nd	169	nd	-1	39	nd	77	177	-1
200	9368	7857	23	6	56	0.1	1	-1	-10	19	35	22	nd	nd	nd	105	nd	270	-1	nd	150	nd	nd	nd
201	9369	7858	24	8	66	-0.1	1	-1	-10	19	35	23	nd	nd	nd	131	nd	470	-1	nd	150	nd	nd	nd
202	9747	8155	12	5	83	-0.1	2	-1	-10	13	28	nd	42900	610	82	nd	453	nd	-1	52	nd	160	192	-1
203	9090	7693	25	4	58	-0.1	1	-1	-10	20	nd	20	nd	nd	nd	155	nd	310	-1	nd	100	nd	nd	nd
204	9089	7692	26	5	61	-0.1	1	-1	-10	21	nd	23	nd	nd	nd	175	nd	300	-1	nd	100	nd	nd	nd
204	9089d	7692d	26	6	63	-0.1	1	-1	-10	22	nd	23	nd	nd	nd	nd	nd	300	-1	nd	100	nd	nd	nd
205	9091	7694	22	6	75	-0.1	1	-1	-10	25	nd	23	nd	nd	nd	90	nd	340	-1	nd	50	nd	nd	nd
206	9093	7695	36	10	78	-0.1	1	-1	-10	26	nd	30	nd	nd	nd	115	nd	500	-1	nd	-50	nd	nd	nd
207	9094	7696	23	6	78	-0.1	1	-1	-10	22	nd	24	nd	nd	nd	90	nd	320	-1	nd	100	nd	nd	nd
208	9085	7689	20	6	80	-0.1	1	-1	-10	19	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
209	9088	7691	18	5	46	-0.1	1	-1	-10	17	nd	17	nd	nd	nd	75	nd	220	-1	nd	50	nd	nd	nd
210	9087	7690	25	9	69	-0.1	1	-1	-10	19	nd	22	nd	nd	nd	115	nd	340	-1	nd	100	nd	nd	nd
211	9080	7662	18	9	85	-0.1	2	-1	-10	16	nd	15	nd	nd	nd	100	nd	280	-1	nd	100	nd	nd	nd
212	9051	7663	15	7	87	-0.1	1	-1	-10	18	nd	16	nd	nd	nd	95	nd	310	-1	nd	100	nd	nd	nd
213	9052	7664	24	8	78	-0.1	1	-1	-10	20	nd	22	nd	nd	nd	95	nd	370	-1	nd	-50	nd	nd	nd
214	9053	7665	23	7	5053	-0.1	1	-1	-10	19	nd	20	nd	nd	nd	80	nd	300	-1	nd	50	nd	nd	nd
215	9054	7666	21	6	59	-0.1	1	-1	-10	19	nd	21	nd	nd	nd	80	nd	320	-1	nd	50	nd	nd	nd
216	9055	7667	14	6	55	-0.1	2	-1	-10	15	nd	17	nd	nd	nd	85	nd	330	-1	nd	50	nd	nd	nd
217	9056	7668	23	8	64	-0.1	2	-1	-10	19	nd	20	nd	nd	nd	85	nd	350	-1	nd	50	nd	nd	nd
218	9869	8250	30	8	74	-0.1	2	-1	-10	18	29	nd	43200	1750	83	nd	224	nd	-1	27	nd	85	328	-1
219	9867	8249	32	9	82	-0.1	2	-1	-10	20	33	nd	48200	1470	87	nd	281	nd	-1	33	nd	100	313	-1
219	9867d	8249d	34	9	74	-0.1	1	-1	-10	18	nd	nd	42600	1530	nd	nd	nd	nd	-1	34	nd	nd	nd	nd
220	9362	7853	35	10	43	0.1	2	3	-10	19	32	24	nd	nd	nd	65	nd	160	-1	nd	100	nd	nd	nd
221	9361	7852	28	6	35	-0.1	1	3	-10	16	28	23	nd	nd	nd	60	nd	140	-1	nd	100	nd	nd	nd
221	9361d	7852d	30	6	38	-0.1	2	3	-10	18	30	nd	nd	nd	nd	nd	nd	nd	-1	nd	100	nd	nd	nd
222	9360	7851	31	9	53	-0.1	1	-1	-10	19	34	28	nd	nd	nd	95	nd	260	-1	nd	100	nd	nd	nd
223	9359	7850	20	9	43	0.1	1	-1	-10	15	26	28	nd	nd	nd	80	nd	200	-1	nd	50	nd	nd	nd
224	9358	7849	29	10	64	0.1	1	-1	-10	20	35	25	nd	nd	nd	80	nd	310	-1	nd	50	nd	nd	nd
225	9356	7848	17	9	51	-0.1	1	-1	-10	17	26	18	nd	nd	nd	70	nd	240	-1	nd	100	nd	nd	nd
226	9355	7847	19	12	55	-0.1	1	-1	-10	19	31	21	nd	nd	nd	70	nd	290	-1	nd	100	nd	nd	nd
227	9354	7846	22	8	38	0.1	1	-1	-10	16	27	18	nd	nd	nd	70	nd	180	-1	nd	50	nd	nd	nd
228	9353	7845	27	9	51	0.1	1	-1	-10	20	36	25	nd	nd	nd	120	nd	290	-1	nd	100	nd	nd	nd
229	9750	8158	38	12	101	-0.1	3	-1	-10	25	53	nd	55300	1900	102	nd	723	nd	-1	46	nd	155	192	-1
230	9749	8157	48	13	181	-0.2	4	-1	-10	20	57	nd	47000	965	105	nd	824	nd	-1	50	nd	195	211	-1
231	9351	7844	17	7	65	-0.1	1	-1	-10	17	29	nd	nd	nd	nd	95	nd	290	-1	nd	100	nd	nd	nd
232	9349	7842	21	9	66	0.2	1	-1	-10	16	29	nd	nd	nd	nd	65	nd	270	-1	nd	nd	nd	nd	nd
232	9349d	7842d	21	9	65	0.1	1	-1	-10	16	27	nd	nd	nd	nd	80	nd	440	-1	nd	100	nd	nd	nd
233	9350	7843	22	11	80	0.1	1	-1	-10	27	39	nd	28	nd	nd	nd	nd	nd	-1	nd	100	nd	nd	nd
233	9748	8156	23	8	171	-0.1	3	-1	-10	15	32	nd	44500	393	90	nd	525	nd	-1	47	nd	161	192	-1
236	9367	7856	29	11	219	0.1	3	-1	-10	110	107	67	nd	nd	nd	85	nd	380	-1	nd	100	nd	nd	nd
237	9348	7841	21	9	99	-0.1	2	-1	-10	33	52	30	nd	nd	nd	80	nd	470	-1	nd	100	nd	nd	nd
238	9745	8154	17	5	66	-0.1	2	-1	-10	13	30	nd	37800	668	102	nd	554	nd	-1	42	nd	126	147	-1
239	9742	8152	15	5	63	-0.1	2	3	-10	10	27	nd	25400	457	79	nd	415	nd	-1	37	nd	113	118	-1
240	9743	8153	9	3	62	-0.1	2	-1	-10	10	26	nd	31700	744	87	nd	377	nd	-1	38	nd	78	113	-1
241	9521	7974	15	11	45	-0.1	-1	-1	-10	11	24	nd	28000	1330	46	nd	117	nd	-1	39	nd	54	160	-2
242	9809	8282	24	8	66	-0.1	3	-1	-10	13	31	nd	35800	1040	108	nd	610	nd	-1	32	nd	141	245	-1
243	9519	7973	12	10	49	0.1	-1	-1	-10	10	22	nd	28300	986	27	nd	76	nd	-1	22	nd	44	87	-1
244	9518	7972	14	9	53	-0.1	-1	-1	-10	-10	25	nd	22600	681	60	nd	134	nd	-1	33	nd	68	127	-1
245	9908	8281	21	8	61	-0.1	3	-1	-10	11	28	nd	31400	1270	126	nd	723	nd	-1	30	nd	133	181	-1
246	9370	7859	23	10	370	-0.1	2	-1	-10	18	34	24	nd	nd	nd	95	nd	330	-1	nd	100	nd	nd	nd
247	9299	7802	27	9	87	-0.1	3	-1	-10	21	38	31	47600	752	nd	nd	180	nd	-1	32	nd	nd	nd	nd
247	9299d	7802d	29	9	91	-0.1	3	-1	-10	23	40	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
248	9513	7966	32	12	66	0.1	2	-1	-10	19	46	nd	50800	2690	50	nd	-1000	nd	4	34	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	Bt	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
250	9515	7970	31	12	58	-0.1	2	-1	-10	14	61	nd	36800	669	100	nd	-1000	nd	3	33	nd	nd	nd	nd
250	9515d	7970d	nd	11	nd	-0.1	1	-1	-10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
251	9339	7834	38	9	66	0.1	1	-1	-10	24	42	28	43800	1060	nd	70	220	220	-1	27	100	nd	nd	nd
253	9525	7977	20	10	36	-0.1	-1	-1	-10	10	22	nd	37300	722	65	nd	89	nd	-1	29	nd	83	143	-1
254	9523	7976	29	11	50	-0.1	-1	-1	-10	13	26	nd	49100	893	66	nd	123	nd	-1	34	nd	98	150	-1
255	9522	7975	36	11	82	0.2	-1	-1	-10	15	35	nd	46100	1140	67	nd	175	nd	-1	36	nd	159	161	-1
256	9096	7697	22	8	55	-0.1	1	-1	-10	17	nd	18	nd	nd	nd	85	250	250	-1	nd	50	nd	nd	nd
257	9097	7698	29	10	60	-0.1	2	-1	-10	21	nd	25	nd	nd	nd	65	nd	220	-1	nd	-50	nd	nd	nd
258	9099	7699	30	10	50	-0.1	2	-1	-10	19	nd	25	nd	nd	nd	60	nd	190	-1	nd	-50	nd	nd	nd
259	9338	7833	66	11	91	0.1	1	-1	-10	23	50	30	48700	1010	nd	80	310	310	-1	38	150	nd	nd	nd
260	9337	7832	29	11	58	-0.1	1	-1	-10	18	34	24	35600	826	nd	85	nd	240	-1	25	100	nd	nd	nd
260	9337d	7832d	31	10	52	-0.1	2	-1	-10	19	34	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
261	9517	7971	23	9	41	-0.1	-1	-1	-10	-10	27	nd	39900	920	100	nd	-1000	nd	-1	39	nd	nd	nd	nd
261	9517d	7971d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	100	nd	-1000	nd	-1	39	nd	nd	nd	nd
262	9336	7831	29	9	67	0.1	1	-1	-10	20	36	24	41800	876	nd	90	280	280	-1	27	100	nd	nd	nd
263	9334	7830	28	8	68	-0.1	1	-1	-10	20	37	25	42900	922	nd	70	nd	270	-1	26	100	nd	nd	nd
263	9334	7830	28	8	68	-0.1	1	-1	-10	20	37	25	42900	922	nd	70	nd	270	-1	26	100	nd	nd	nd
264	9333	7829	25	9	56	-0.1	1	-1	-10	17	32	20	35800	839	nd	80	nd	230	-1	25	100	nd	nd	nd
265	9740	8151	24	6	56	-0.1	2	-1	-10	13	32	nd	32200	961	84	nd	404	nd	-1	40	nd	86	220	-1
265	9740d	8151d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	84	nd	369	nd	-1	nd	nd	91	220	-1
266	9739	8150	24	7	60	-0.1	2	-1	-10	14	46	nd	34200	1020	75	nd	367	nd	-1	nd	nd	82	209	-1
267	9738	8149	23	7	53	0.1	2	-1	-10	15	29	nd	30300	822	78	nd	387	nd	-1	74	nd	93	225	-1
267	9738d	8149d	26	5	63	-0.1	1	-1	-10	13	28	nd	35100	1000	nd	nd	nd	nd	-1	37	nd	nd	nd	nd
268	9736	8148	21	5	53	-0.1	1	-1	-10	12	28	nd	30200	771	77	nd	399	nd	-1	30	nd	88	231	-1
269	9734	8146	25	8	59	-0.1	2	-1	-10	13	30	nd	32300	930	82	nd	412	nd	-1	34	nd	96	225	-1
270	9735	8147	20	4	55	-0.1	1	-1	-10	12	27	nd	31700	736	78	nd	384	nd	-1	34	nd	89	201	-1
272	9332	7828	16	7	50	-0.1	1	-1	-10	14	25	15	29700	618	nd	65	nd	190	-1	23	100	nd	nd	nd
273	9331	7827	27	8	51	-0.1	1	-1	-10	16	31	20	31600	719	nd	80	nd	230	-1	23	100	nd	nd	nd
274	9330	7826	32	10	69	0.1	1	-1	-10	21	40	28	42800	916	nd	95	nd	350	-1	31	100	nd	nd	nd
275	9378	7866	16	6	51	-0.1	1	-1	-10	16	28	20	nd	nd	nd	95	nd	260	-1	nd	100	nd	nd	nd
276	9326	7823	28	9	49	-0.1	1	-1	-10	17	33	22	30300	869	nd	70	nd	190	-1	12	100	nd	nd	nd
277	9100	7700	36	8	89	-0.1	2	-1	-10	25	nd	30	nd	nd	nd	130	nd	520	-1	nd	50	nd	nd	nd
277	9328	7825	22	6	56	0.1	1	-1	-10	16	30	24	32400	692	nd	85	nd	230	-1	22	100	nd	nd	nd
278	9327	7824	79	11	57	0.1	2	-1	-10	25	51	40	43800	1310	nd	90	nd	180	-1	24	100	nd	nd	nd
279	9325	7822	22	9	54	-0.1	1	-1	-10	16	31	20	31900	711	nd	70	nd	220	-1	23	100	nd	nd	nd
279	9325d	7822d	24	9	59	-0.1	2	-1	-10	17	33	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
280	9323	7821	22	8	66	-0.1	1	-1	-10	16	31	20	33900	707	nd	70	nd	240	-1	24	100	nd	nd	nd
281	9322	7820	27	10	84	-0.1	1	-1	-10	17	33	25	42000	907	nd	95	nd	370	-1	31	100	nd	nd	nd
282	9321	7819	18	6	59	-0.1	1	-1	-10	16	28	18	36400	708	nd	85	nd	250	-1	27	100	nd	nd	nd
283	9910	8283	15	4	46	-0.1	2	-1	-10	12	28	nd	30000	754	102	nd	469	nd	-1	41	nd	100	257	-1
284	9320	7818	19	9	55	-0.1	1	-1	-10	15	26	16	32600	624	nd	90	nd	220	-1	24	100	nd	nd	nd
285	13779	10165	14	4	35	-0.1	3	-1	-10	10	19	nd	21000	530	nd	80	nd	330	-1	15	nd	nd	nd	nd
286	13777	10164	28	8	69	-0.1	3	-1	-10	13	28	nd	36400	700	nd	110	nd	560	-1	26	nd	nd	nd	nd
287	13776	10163	8	2	43	-0.1	3	-1	-10	13	17	nd	36500	767	nd	75	nd	280	-1	22	nd	nd	nd	nd
288	13775	10162	5	3	43	-0.1	2	-1	-10	-10	14	nd	30400	482	nd	70	nd	260	-1	21	nd	nd	nd	nd
289	13817	10198	22	9	51	-0.1	2	-1	-10	-10	14	nd	22500	456	nd	75	nd	470	-1	20	nd	nd	nd	nd
290	13815	10197	20	12	61	-0.1	3	-1	-10	10	24	nd	22500	621	nd	55	nd	460	-1	21	nd	nd	nd	nd
291	13814	10196	32	12	82	-0.1	3	-1	-10	14	32	nd	38500	805	nd	75	nd	580	-1	33	nd	nd	nd	nd
292	9913	7871	26	5	37	0.2	1	-1	-10	30	22	nd	nd	nd	nd	25	nd	310	-1	nd	nd	nd	nd	nd
293	9914	8287	24	11	192	-0.1	5	-1	-10	16	54	nd	42700	1280	108	nd	+1000	nd	-1	38	nd	256	381	-1
294	9913	8286	24	9	87	-0.1	2	-1	-10	13	35	nd	35200	705	nd	nd	785	nd	-1	42	nd	159	183	-1
295	9912	8285	19	8	87	-0.1	3	-1	-10	14	49	nd	40300	1280	150	nd	742	nd	-1	79	nd	174	263	-1
296	9381	7868	17	5	90	-0.1	1	-1	-10	24	27	20	nd	nd	nd	60	nd	350	-1	nd	100	nd	nd	nd
297	9383	7869	24	7	63	-0.1	1	-1	-10	18	31	20	nd	nd	nd	70	nd	350	-1	nd	100	nd	nd	nd
298	9384	7870	15	6	88	-0.1	2	-1	-10	24	42	24	nd	nd	nd	65	nd	490	-1	nd	100	nd	nd	nd
299	9298	7801	35	9	74	0.1	2	-1	-10	22	36	27	48300	1080	nd	95	nd	370	-1	26	50	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
300	9300	7803	18	7	66	0.1	1	-1	-10	27	29	20	44000	3300	nd	70	nd	200	-1	22	50	nd	nd	nd
301	9302	7804	29	13	118	-0.1	2	-1	-10	24	44	32	56400	2110	nd	115	nd	540	-1	34	100	nd	nd	nd
302	9303	7805	22	13	122	-0.1	2	-1	-10	19	39	28	47500	4270	nd	65	nd	520	-1	28	50	nd	nd	nd
303	9311	8284	11	6	104	-0.1	3	-1	-10	20	33	nd	93600	6160	79	nd	627	nd	-1	44	nd	137	265	-1
304	9380	7867	25	10	87	0.1	3	-1	-10	24	41	28	nd	nd	nd	90	nd	430	-1	nd	100	nd	nd	nd
305	9870	8251	31	8	122	-0.1	2	-1	-10	21	36	nd	42800	618	81	nd	409	nd	-1	33	nd	147	208	-1
306	9871	8252	24	5	58	-0.1	2	-1	-10	14	23	nd	29000	969	54	nd	161	nd	-1	19	nd	67	174	-1
307	9872	8253	37	10	130	-0.1	2	-1	-10	16	32	nd	41500	949	41	nd	153	nd	-1	25	nd	81	116	-1
308	9873	8254	46	8	100	0.2	2	-1	-10	16	43	nd	41700	826	122	nd	286	nd	-1	34	nd	107	183	-1
309	9874	8255	27	6	82	-0.1	2	-1	-10	14	25	nd	34900	947	87	nd	174	nd	-1	27	nd	93	191	-1
311	9877	8257	39	12	90	0.2	3	-1	-10	17	36	nd	44800	1180	85	nd	317	nd	-1	29	nd	120	213	-1
312	9876	8256	57	10	193	-0.1	3	-1	-10	24	43	nd	59300	1630	136	nd	297	nd	-1	31	nd	128	245	-1
313	9878	8258	42	9	110	0.3	5	-1	-10	14	37	nd	36600	839	65	nd	327	nd	-1	27	nd	108	281	-1
314	9879	8259	48	nd	115	0.3	4	-1	-10	19	40	nd	41500	1050	92	nd	304	nd	-1	34	nd	116	262	-1
314	9879d	8259d	43	14	95	0.2	2	-1	-10	17	41	nd	39600	971	103	nd	311	nd	-1	33	nd	128	296	-1
315	9880	8260	42	9	128	0.1	5	-1	-10	18	43	nd	41800	846	117	nd	826	nd	-1	37	nd	190	249	-1
316	9881	8261	24	5	55	-0.1	2	-1	-10	11	24	nd	25400	788	90	nd	499	nd	-1	23	nd	103	219	-1
317	9883	8262	28	6	67	-0.1	3	-1	-10	12	28	nd	29200	870	99	nd	644	nd	-1	25	nd	135	232	-1
318	9317	7816	19	8	65	-0.1	1	-1	-10	15	32	22	29400	630	nd	80	nd	400	-1	25	100	nd	nd	nd
319	9318	7817	13	6	57	-0.1	1	-1	-10	12	26	17	22400	534	nd	65	nd	290	-1	21	100	nd	nd	nd
320	9316	7815	19	7	68	-0.1	1	-1	-10	15	33	21	30500	636	nd	80	nd	380	-1	28	100	nd	nd	nd
321	9314	7814	14	6	62	0.1	1	-1	-10	13	29	19	26100	563	nd	60	nd	330	-1	27	100	nd	nd	nd
322	9313	7813	15	5	54	-0.1	1	-1	-10	13	28	20	24400	497	nd	65	nd	330	-1	27	100	nd	nd	nd
323	9312	7812	25	10	79	-0.1	3	-1	-10	17	34	24	34500	853	nd	70	nd	350	-1	23	200	nd	nd	nd
323	9312d	7812d	26	9	76	-0.1	3	-1	-10	17	33	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
324	9311	7811	26	10	78	-0.1	2	-1	-10	18	34	25	37300	1090	nd	65	nd	380	-1	27	100	nd	nd	nd
325	9309	7810	20	10	56	-0.1	2	-1	-10	15	33	21	30500	893	nd	60	nd	290	-1	22	100	nd	nd	nd
326	9308	7809	21	9	105	-0.1	3	-1	-10	16	31	24	35100	811	nd	75	nd	450	-1	25	100	nd	nd	nd
327	9307	7808	21	10	55	-0.1	2	-1	-10	17	34	21	31800	837	nd	70	nd	290	-1	22	50	nd	nd	nd
328	9305	7807	25	11	95	0.1	3	-1	-10	17	36	23	33900	895	nd	60	nd	240	-1	23	50	nd	nd	nd
329	9304	7806	15	9	139	0.1	3	-1	-10	17	31	24	40200	1020	nd	75	nd	450	-1	27	100	nd	nd	nd
330	9501	7958	34	14	101	-0.1	4	-1	-10	10	230	nd	39000	1480	20	nd	-1000	nd	-1	704	nd	nd	nd	nd
331	9500	7957	27	15	82	-0.1	3	-1	-10	12	41	nd	36600	626	50	nd	-1000	nd	4	29	nd	nd	nd	nd
332	9502	7959	38	15	139	-0.1	4	-1	-10	23	65	nd	41200	41200	20	nd	-1000	nd	5	30	nd	nd	nd	nd
333	9503	7960	20	14	50	-0.1	3	-1	-10	10	36	nd	24800	819	30	nd	-1000	nd	2	29	nd	nd	nd	nd
333	9503d	7960d	20	13	48	-0.1	3	-1	-10	10	35	nd	24200	717	nd	nd	nd	nd	2	29	nd	nd	nd	nd
334	9504	7961	32	12	109	-0.1	2	-1	-10	17	59	nd	41000	1470	50	nd	-1000	nd	7	61	nd	nd	nd	nd
335	9506	7962	60	21	168	-0.1	3	-1	-10	29	80	nd	66100	2330	50	nd	-1000	nd	7	59	nd	nd	nd	nd
336	9068	7677	21	11	56	-0.1	3	-1	-10	19	nd	21	nd	nd	nd	50	nd	340	-1	nd	100	nd	nd	nd
337	9066	7676	17	8	47	-0.1	3	-1	-10	17	nd	20	nd	nd	nd	45	nd	260	-1	nd	-50	nd	nd	nd
338	9065	7675	18	7	46	-0.1	2	-1	-10	17	nd	20	nd	nd	nd	55	nd	300	-1	nd	50	nd	nd	nd
339	9064	7674	15	5	57	-0.1	1	-1	-10	14	nd	21	nd	nd	nd	85	nd	430	-1	nd	100	nd	nd	nd
340	9063	7673	31	13	96	-0.1	2	-1	-10	20	nd	26	nd	nd	nd	85	nd	540	-1	nd	100	nd	nd	nd
341	9062	7672	16	9	56	-0.1	2	-1	-10	18	nd	21	nd	nd	nd	55	nd	360	-1	nd	100	nd	nd	nd
341	9062d	7672d	18	11	53	-0.1	3	-1	-10	17	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
342	9060	7671	22	9	93	-0.1	2	-1	-10	22	nd	16	nd	nd	nd	75	nd	680	-1	nd	50	nd	nd	nd
343	9059	7670	14	6	65	-0.1	3	-1	-10	20	nd	16	nd	nd	nd	40	nd	330	-1	nd	50	nd	nd	nd
344	9058	7669	22	11	141	-0.1	3	-1	-10	17	nd	24	nd	nd	nd	70	nd	740	-1	nd	100	nd	nd	nd
345	10011	8351	20	10	87	0.1	3	-1	-10	20	33	nd	38300	3750	99	nd	+1000	nd	-1	28	nd	174	295	-1
346	10009	8350	20	10	69	0.1	4	-1	-10	10	31	nd	22800	576	72	nd	+1000	nd	-1	29	nd	163	499	-1
347	9564	8009	46	12	143	0.2	4	-1	-10	14	34	nd	40300	748	46	nd	322	nd	-1	33	nd	155	161	-1
347	9564d	8009d	49	13	175	0.2	4	-1	-10	18	62	nd	47800	860	30	nd	nd	nd	-1	94	nd	nd	nd	nd
348	9511	7967	41	11	155	0.2	4	-1	-10	17	51	nd	40400	692	30	nd	-1000	nd	5	38	nd	nd	nd	nd
349	9510	7966	69	12	205	0.1	4	-1	-10	28	74	nd	55400	833	50	nd	-1000	nd	6	52	nd	nd	nd	nd
350	9509	7965	31	12	96	0.2	3	-1	-10	12	43	nd	26500	692	20	nd	-1000	nd	4	29	nd	nd	nd	nd
351	9508	7964	51	18	219	0.3	3	-1	-10	16	69	nd	39600	1560	50	nd	-1000	nd	6	38	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
352	9507	7963	45	19	247	0.1	4	-1	-10	23	85	nd	55200	2540	70	nd	-1000	nd	5	45	nd	nd	nd	nd
353	9371	7860	18	6	54	0.1	2	-1	-10	12	29	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
354	9372	7861	39	10	96	0.1	1	-1	-10	25	49	28	nd	nd	nd	210	nd	630	-1	nd	150	nd	nd	nd
355	9373	7862	23	8	79	-0.1	1	8	12	19	37	20	nd	nd	nd	130	nd	480	-1	nd	100	nd	nd	nd
355	9373d	7862d	20	9	71	-0.1	1	8	-10	17	33	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
356	9347	7840	28	8	53	-0.1	2	60	102	21	45	31	37100	725	nd	105	nd	400	-1	25	150	nd	nd	nd
357	9345	7839	27	7	50	-0.1	2	47	84	22	48	28	31700	664	nd	75	nd	290	-1	20	100	nd	nd	nd
358	9344	7838	23	7	38	0.1	3	75	166	22	48	23	27100	344	nd	60	nd	180	-1	18	100	nd	nd	nd
359	9667	8091	16	11	45	-0.1	4	-1	-10	-10	20	nd	18300	301	53	nd	372	nd	-1	25	nd	89	199	-1
360	9666	8090	14	11	22	0.1	3	-1	-10	-10	24	nd	9840	293	28	nd	291	nd	-1	58	nd	70	308	-1
361	9665	8089	10	11	10	-0.1	3	3	11	-10	13	nd	5200	253	10	nd	166	nd	-1	23	nd	42	377	-1
361	9665d	8089d	9	10	4	-0.1	5	2	-10	3	14	nd	4390	221	nd	nd	nd	nd	-1	31	nd	nd	nd	nd
362	9664	8088	17	11	69	-0.1	-1	-1	15	11	29	nd	28600	740	57	nd	489	nd	-1	35	nd	103	147	-1
363	9662	8086	16	13	28	-0.1	4	42	72	-10	20	nd	10700	329	25	nd	307	nd	-1	33	nd	71	312	-1
364	9663	8087	12	10	60	-0.1	1	-1	14	-10	24	nd	22500	628	55	nd	450	nd	-1	38	nd	92	166	-1
365	9661	8085	29	10	57	-0.1	-1	179	28	-10	23	nd	15900	676	14	nd	247	nd	-1	30	nd	34	50	-1
366	9563	8008	26	11	35	0.1	4	56	80	-10	22	nd	16900	506	-10	nd	83	nd	-1	31	nd	64	435	-1
367	9376	7865	28	9	69	-0.1	1	-1	-10	20	39	28	nd	nd	nd	100	nd	340	-1	nd	100	nd	nd	nd
368	9375	7864	19	11	54	-0.1	1	-1	-10	16	31	20	nd	nd	nd	80	nd	260	-1	nd	100	nd	nd	nd
369	9374	7863	18	7	56	-0.1	1	2	-10	17	32	23	nd	nd	nd	150	nd	350	-1	nd	100	nd	nd	nd
370	10025	8364	32	8	88	-0.1	4	-1	-10	13	31	nd	32700	727	40	nd	271	nd	-1	27	nd	98	175	-1
371	10024	8363	34	7	94	0.1	4	-1	-10	15	37	nd	35900	798	46	nd	244	nd	1	31	nd	88	156	-1
372	10023	8362	53	12	136	0.3	3	-1	-10	19	55	nd	46100	731	65	nd	393	nd	-1	39	nd	151	137	-1
373	9576	8018	30	11	86	-0.1	3	-1	-10	14	37	nd	38200	545	54	nd	412	nd	-1	32	nd	145	291	-1
374	9573	8017	33	11	91	-0.1	3	-1	-10	14	37	nd	39600	577	64	nd	344	nd	-1	29	nd	152	246	-1
375	9572	8016	31	9	99	0.1	3	-1	-10	14	42	nd	42800	515	40	nd	292	nd	-1	36	nd	124	197	-1
376	13233	8411	28	6	61	-0.1	3	-1	-10	14	36	nd	32700	782	88	nd	376	nd	4	57	nd	131	63	-1
377	10021	8360	27	6	122	0.2	8	-1	-10	-10	39	nd	18800	240	-10	nd	510	nd	1	25	nd	91	172	-1
378	10022	8361	33	6	96	-0.1	4	-1	-10	17	39	nd	37800	801	37	nd	243	nd	-1	35	nd	85	141	-1
379	10020	8359	24	8	108	-0.1	3	-1	-10	13	34	nd	34100	575	107	nd	737	nd	-1	31	nd	156	392	-1
379	10020d	8359d	25	6	109	-0.1	3	-1	-10	13	41	nd	34200	567	nd	nd	nd	nd	-1	37	nd	nd	nd	nd
380	10018	8358	40	10	101	0.1	6	-1	-10	13	33	nd	37600	842	97	nd	+1000	nd	-1	24	nd	146	509	-1
381	10017	8357	33	8	85	-0.1	5	-1	-10	13	30	nd	35600	749	83	nd	811	nd	-1	29	nd	137	483	-1
382	10016	8356	43	10	142	0.1	12	-1	-10	14	44	nd	32400	695	113	nd	+1000	nd	-1	25	nd	174	424	-1
384	10015	8355	42	9	134	0.2	10	-1	-10	15	43	nd	31400	615	117	nd	+1000	nd	-1	25	nd	208	427	-1
385	10014	8354	46	11	163	0.3	11	-1	-10	15	49	nd	32500	494	116	nd	+1000	nd	-1	27	nd	255	464	-1
386	10013	8353	33	9	148	0.2	11	-1	-10	12	43	nd	26300	715	106	nd	+1000	nd	-1	19	nd	218	379	-1
387	10012	8352	43	9	188	-0.1	12	-1	-10	18	60	nd	37200	877	124	nd	+1000	nd	-1	25	nd	247	334	-1
388	9568	8013	46	13	201	0.2	12	-1	19	13	62	nd	31300	677	72	nd	+1000	nd	-1	20	nd	333	347	-1
389	9567	8012	44	11	284	0.3	16	-1	-10	12	77	nd	32700	283	65	nd	+1000	nd	nd	20	nd	394	250	-1
390	9566	8011	53	16	239	0.3	14	-1	11	13	85	nd	35700	304	59	nd	+1000	nd	-1	28	nd	431	292	-1
391	9565	8010	57	18	135	0.1	6	-1	-10	21	52	nd	49600	776	49	nd	511	nd	-1	48	nd	152	345	1
393	9570	8015	48	12	193	0.1	15	-1	11	13	74	nd	37600	262	51	nd	+1000	nd	-1	22	nd	244	420	-1
394	9947	8309	39	9	101	-0.1	2	-1	-10	22	40	nd	44600	1320	120	nd	697	nd	-1	35	nd	161	281	-1
394	9941d	8309d	39	11	114	0.1	2	-1	-10	23	47	nd	46700	1460	nd	nd	nd	nd	-1	35	nd	nd	nd	nd
395	9946	8313	46	13	88	0.1	3	-1	-10	19	40	nd	34700	975	135	nd	764	nd	-1	33	nd	171	351	-1
395	9946d	8313d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	131	nd	753	nd	nd	nd	nd	177	324	-1
396	9943	8311	27	12	87	-0.1	2	-1	-10	14	33	nd	41300	382	132	nd	+1000	nd	-1	38	nd	165	170	-1
397	9942	8310	98	15	241	0.4	23	3	-10	14	67	nd	29900	483	122	nd	+1000	nd	1	25	nd	268	226	-1
398	9944	8312	66	15	196	0.1	7	-1	-10	24	66	nd	51200	1760	159	nd	+1000	nd	-1	33	nd	211	306	-1
399	9401	7883	60	16	172	0.3	7	-1	11	14	56	nd	37400	331	nd	80	nd	770	-1	30	nd	nd	nd	nd
400	9402	7884	44	15	123	-0.1	4	-1	-10	18	50	nd	38800	716	nd	165	nd	780	-1	25	nd	nd	nd	nd
401	9403	7885	44	17	117	0.1	5	-1	-10	18	50	nd	44600	1030	nd	170	nd	950	-1	26	nd	nd	nd	nd
402	9404	7886	57	21	88	0.1	2	-1	24	27	51	nd	58300	1460	nd	175	nd	610	-1	26	nd	nd	nd	nd
403	9405	7887	63	27	76	0.1	2	1	14	35	62	nd	50100	2640	nd	220	nd	740	-1	22	nd	nd	nd	nd
404	9406	7888	59	21	81	-0.1	2	-1	-10	29	55	nd	52200	2170	nd	205	nd	500	-1	24	nd	nd	nd	nd
405	9408	7889	37	14	70	-0.1	2	-1	-10	21	39	nd	51900	1430	nd	145	nd	460	-1	36	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Hg	Sb	As	Co	Ni	Ni*	Fe	Mn	B	Pr	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
406	9409	7890	47	18	69	-0.1	2	-1	-10	21	41	nd	51300	1200	nd	185	nd	450	-1	31	nd	nd	nd	nd
406	9409d	7890d	53	12	98	-0.1	1	-1	11	23	46	nd	53500	1310	nd	nd	nd	nd	-1	38	nd	nd	nd	nd
407	9605	8039	35	12	57	0.1	1	-1	16	15	33	nd	43700	923	155	nd	229	nd	-1	25	nd	98	124	-1
407	9605d	8039d	34	11	57	0.1	1	-1	-10	16	38	34	43700	911	169	nd	nd	nd	-1	26	nd	nd	nd	nd
408	9606	8040	44	17	75	0.1	2	-1	17	17	38	nd	47100	1190	169	nd	473	nd	-1	27	nd	168	184	-1
409	9607	8041	42	13	72	-0.1	2	-1	16	20	38	nd	57100	1110	126	nd	242	nd	-1	26	nd	102	110	-1
410	9608	8042	48	17	82	0.1	1	-1	19	25	42	nd	55000	2040	151	nd	382	nd	-1	31	nd	109	179	-1
411	9609	8043	45	14	78	-0.1	2	-1	10	23	38	nd	60300	1520	66	nd	151	nd	-1	40	nd	87	229	-1
412	9611	8044	48	12	78	-0.1	2	-1	16	25	38	nd	63000	1730	65	nd	150	nd	-1	38	nd	96	218	-1
413	9613	8046	30	11	73	-0.1	3	-1	-10	18	36	nd	43600	945	54	nd	102	nd	-1	34	nd	58	188	-1
414	9612	8045	35	14	67	-0.1	3	-1	-10	17	34	nd	42200	1190	31	nd	75	nd	-1	34	nd	47	241	-1
415	9615	8047	40	13	87	-0.1	2	-1	-10	24	44	nd	51200	1430	69	nd	210	nd	-1	41	nd	118	303	-1
416	9947	8314	31	11	72	-0.1	2	-1	-10	17	33	nd	38400	1120	161	nd	615	nd	-1	32	nd	148	254	-1
417	9948	8315	35	12	89	-0.1	2	-1	-10	17	52	nd	46100	892	105	nd	712	nd	-1	91	nd	207	251	-1
418	9937	8305	33	8	73	-0.1	2	-1	-10	17	31	nd	43400	1100	102	nd	503	nd	-1	35	nd	148	167	-1
419	9951	8318	30	6	77	0.1	2	-1	-10	17	31	nd	45500	1090	117	nd	602	nd	-1	43	nd	187	203	-1
420	9949	8316	40	9	76	0.2	2	-1	-10	19	35	nd	44200	1640	133	nd	577	nd	-1	33	nd	155	473	-1
421	9950	8317	63	14	156	0.3	6	-1	-10	31	64	nd	41400	3160	167	nd	948	nd	-1	34	nd	158	538	-1
422	9952	8319	45	10	126	0.2	4	-1	-10	23	46	nd	53500	2170	102	nd	592	nd	-1	44	nd	147	317	-1
422	9952d	8319d	38	8	106	-0.1	2	-1	-10	21	47	nd	49200	2120	102	nd	592	nd	-1	35	nd	nd	nd	nd
423	9938	8306	38	9	66	-0.1	2	-1	-10	20	36	nd	34800	3300	138	nd	537	nd	-1	27	nd	129	244	-1
424	9939	8307	36	11	69	-0.1	2	-1	-10	19	39	nd	35400	2050	179	nd	619	nd	-1	27	nd	129	259	-1
425	9940	8308	41	11	70	0.2	2	-1	-10	21	38	nd	38200	3180	143	nd	646	nd	-1	27	nd	131	277	-1
426	9954	8320	24	6	50	-0.1	2	-1	-10	12	25	nd	26600	1310	105	nd	562	nd	-1	27	nd	133	370	-1
427	9955	8321	13	4	59	-0.1	2	-1	-10	13	25	nd	32000	1020	111	nd	634	nd	-1	41	nd	141	160	-1
428	9956	8322	36	8	88	-0.1	3	-1	-10	19	38	nd	46200	2460	114	nd	616	nd	-1	33	nd	142	211	-1
429	13246	8421	33	14	31	-0.1	3	-1	-10	15	37	nd	25100	854	132	nd	334	nd	6	38	nd	147	349	-1
429	13246d	8421d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	-1
430	13246	8920	15	7	30	-0.1	2	-1	-10	12	31	nd	21800	614	84	nd	269	nd	6	37	nd	89	194	-1
431	13243	8419	35	10	37	-0.1	1	-1	-10	18	48	nd	27200	1100	132	nd	332	nd	7	41	nd	147	145	-1
431	13243d	8419d	43	13	60	0.2	1	-1	-10	19	55	nd	45700	1380	132	nd	332	nd	-1	49	nd	nd	nd	nd
432	13242	8418	17	8	28	-0.1	2	-1	-10	10	29	nd	22200	567	111	nd	309	nd	5	34	nd	113	238	-1
433	13239	8416	18	6	38	-0.1	1	-1	-10	11	32	nd	25000	686	93	nd	254	nd	6	40	nd	84	238	-1
434	13241	8417	21	7	39	-0.1	1	-1	-10	16	37	nd	28800	839	133	nd	348	nd	8	48	nd	140	111	-1
435	13238	8415	15	5	76	-0.1	1	-1	-10	11	34	nd	27400	635	117	nd	308	nd	5	41	nd	110	164	-1
436	13237	8414	20	7	26	-0.1	2	-1	-10	11	33	nd	21600	595	108	nd	223	nd	4	40	nd	78	259	-1
437	13236	8413	30	9	46	-0.1	1	-1	-10	15	42	nd	31100	663	138	nd	287	nd	5	47	nd	100	235	-1
438	13235	8412	32	8	52	-0.1	2	-1	-10	17	40	nd	31700	1030	133	nd	269	nd	5	47	nd	111	193	-1
439	9001	7623	39	8	92	-0.1	2	-1	-10	23	nd	nd	nd	nd	nd	nd	360	nd	-1	nd	nd	nd	nd	nd
440	9002	7624	33	8	85	-0.1	2	-1	-10	28	nd	nd	nd	nd	nd	nd	380	nd	-1	nd	nd	nd	nd	nd
441	9003	7625	34	10	60	-0.1	2	-1	-10	19	nd	nd	nd	nd	nd	nd	550	nd	-1	nd	nd	nd	nd	nd
442	9004	7626	28	10	55	-0.1	1	-1	-10	18	nd	nd	nd	nd	nd	nd	430	nd	-1	nd	nd	nd	nd	nd
443	9006	7627	25	9	63	-0.1	2	-1	-10	19	nd	nd	nd	nd	nd	nd	270	nd	-1	nd	nd	nd	nd	nd
444	9007	7628	31	10	61	-0.1	2	-1	-10	21	nd	nd	nd	nd	nd	nd	570	nd	-1	nd	nd	nd	nd	nd
445	9201	7727	29	6	61	-0.1	1	-1	-10	19	nd	nd	nd	nd	nd	nd	210	nd	-1	nd	nd	nd	nd	nd
446	9202	7728	35	13	119	-0.1	1	-1	-10	23	nd	nd	nd	nd	nd	nd	95	nd	-1	nd	nd	nd	nd	nd
447	9204	7729	28	7	60	-0.1	1	-1	-10	18	nd	nd	nd	nd	nd	nd	145	nd	-1	nd	nd	nd	nd	nd
448	9205	7730	24	6	51	0.1	1	-1	-10	16	nd	nd	nd	nd	nd	nd	370	nd	-1	nd	nd	nd	nd	nd
449	9207	7731	31	10	67	0.1	1	-1	-10	21	nd	nd	nd	nd	nd	nd	130	nd	-1	nd	nd	nd	nd	nd
450	9208	7732	33	8	85	0.1	3	-1	-10	21	nd	nd	nd	nd	nd	nd	160	nd	-1	nd	nd	nd	nd	nd
450	9208d	7732d	36	9	81	0.1	3	-1	-10	24	nd	nd	nd	nd	nd	nd	100	nd	-1	nd	nd	nd	nd	nd
451	9209	7733	31	4	79	-0.1	1	-1	-10	20	nd	nd	nd	nd	nd	nd	125	nd	-1	nd	nd	nd	nd	nd
452	9210	7734	59	7	77	0.1	2	-1	-10	23	nd	nd	nd	nd	nd	nd	250	nd	-1	nd	nd	nd	nd	nd
453	9213	7735	42	3	65	0.1	1	-1	-10	22	nd	nd	nd	nd	nd	nd	95	nd	-1	nd	nd	nd	nd	nd
454	9215	7736	30	6	55	-0.1	1	-1	-10	20	nd	nd	nd	nd	nd	nd	110	nd	-1	nd	nd	nd	nd	nd
455	9216	7737	60	14	168	0.2	13	-1	-10	26	nd	nd	nd	nd	nd	nd	105	nd	-1	nd	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Hg	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
456	9217	7738	46	11	171	0.1	12	-1	-10	20	nd	60	nd	nd	nd	85	nd	700	-1	nd	50	nd	nd	nd
457	9218	7739	39	11	109	0.1	8	-1	-10	19	nd	67	nd	nd	nd	75	nd	580	-1	nd	100	nd	nd	nd
458	9220	7740	52	10	171	0.1	9	-1	-10	23	nd	64	nd	nd	nd	110	nd	1230	-1	nd	150	nd	nd	nd
459	9221	7741	47	10	220	0.2	19	-1	15	19	nd	68	nd	nd	nd	105	nd	880	-1	nd	50	nd	nd	nd
460	9801	8196	54	16	143	0.1	3	-1	-10	24	70	nd	60600	563	94	nd	786	nd	-1	57	nd	210	427	-1
461	9802	8197	55	14	142	0.2	2	-1	-10	23	85	nd	64900	509	95	nd	686	nd	-1	94	nd	203	306	-1
462	9803	8198	43	11	143	0.1	4	-1	-10	18	57	nd	67400	539	102	nd	909	nd	-1	45	nd	194	319	-1
463	9805	8199	32	10	106	0.1	2	-1	-10	18	43	nd	59300	647	176	nd	777	nd	-1	45	nd	177	240	-1
463	9805d	8199d	29	8	111	-0.1	2	-1	-10	18	38	nd	53500	670	nd	nd	nd	nd	-1	47	nd	nd	nd	nd
464	9222	7742	25	5	84	-0.1	14	-1	-10	14	38	36	nd	nd	nd	135	nd	730	-1	100	nd	nd	nd	nd
464	9222d	7742d	25	9	85	0.1	14	-1	-10	15	nd	36	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
465	9223	7743	31	9	79	-0.1	1	-1	-10	25	47	32	45500	1560	nd	185	nd	700	-1	61	50	nd	nd	nd
466	9623	8054	21	11	40	-0.1	9	-1	-10	-10	25	nd	17200	350	-10	nd	19	nd	-1	28	nd	66	372	-1
467	9624	8055	19	12	51	0.1	7	-1	-10	-10	26	nd	16600	299	-10	nd	54	nd	-1	29	nd	74	318	-1
468	9622	8053	32	11	77	-0.1	6	-1	-10	14	40	nd	37500	640	19	nd	133	nd	-1	32	nd	77	185	-1
469	9625	8056	34	10	100	-0.1	8	-1	-10	17	41	nd	44600	667	56	nd	315	nd	-1	37	nd	121	119	-1
470	9627	8057	25	10	63	-0.1	7	-1	-10	-10	31	nd	25500	485	-10	nd	63	nd	-1	27	nd	73	315	-1
471	9628	8058	29	11	68	-0.1	8	-1	-10	13	35	nd	32700	620	27	nd	118	nd	-1	29	nd	90	258	-1
472	9224	7744	54	12	86	-0.1	2	-1	-10	31	57	44	52700	1190	nd	90	nd	540	-1	57	100	nd	nd	nd
473	9008	7629	45	10	108	-0.1	2	-1	-10	45	nd	39	nd	nd	nd	135	nd	970	-1	150	nd	nd	nd	nd
474	9009	7630	34	9	73	-0.1	2	-1	-10	23	nd	32	nd	nd	nd	185	nd	760	-1	150	nd	nd	nd	nd
474	9009d	7630d	36	11	74	-0.1	1	-1	-10	24	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
475	9010	7631	37	10	75	-0.1	2	-1	-10	25	nd	33	nd	nd	nd	175	nd	550	-1	150	nd	nd	nd	nd
476	9011	7632	40	10	78	-0.1	2	-1	-10	13	25	nd	nd	nd	nd	185	nd	450	-1	100	nd	nd	nd	nd
477	9226	7745	34	9	85	-0.1	8	-1	-10	21	61	40	38500	746	nd	90	nd	470	-1	38	nd	nd	nd	nd
478	9228	7746	47	8	86	-0.1	3	-1	-10	29	63	39	62300	1220	nd	85	nd	340	-1	57	100	nd	nd	nd
479	13232	8410	45	7	61	-0.1	2	-1	-10	22	43	46	44200	1420	86	nd	267	nd	-1	53	nd	137	83	-1
480	9399	7881	34	12	81	-0.1	6	-1	-10	13	nd	49	33800	550	nd	90	nd	590	-1	nd	-50	nd	nd	nd
481	9400	7882	24	12	58	-0.1	7	-1	-10	8	33	nd	22700	270	nd	555	nd	250	-1	19	nd	nd	nd	nd
482	13230d	8409	27	7	58	-0.1	6	-1	-10	11	40	nd	22500	459	84	nd	315	nd	2	36	nd	122	93	-1
483	9229	7747	38	9	88	0.1	7	-1	-10	12	47	nd	29300	501	nd	nd	nd	nd	1	40	nd	nd	nd	nd
484	9699	8119	37	15	105	-0.1	8	-1	-10	22	69	39	48200	921	nd	95	nd	440	-1	40	100	nd	nd	nd
484	9699d	8119d	34	14	99	-0.1	7	-1	-10	16	43	nd	37100	769	89	nd	561	nd	-1	31	nd	135	251	-1
485	9700	8120	42	8	98	-0.1	3	-1	-10	13	38	nd	35700	745	nd	nd	nd	nd	-1	31	nd	nd	nd	nd
485	9701	8121	37	9	109	-0.1	7	-1	-10	19	47	nd	47100	759	78	nd	641	nd	-1	58	nd	150	201	-1
487	9703	8122	27	5	63	-0.1	6	-1	-10	16	46	nd	37800	633	99	nd	632	nd	-1	39	nd	181	232	-1
488	9704	8123	28	7	61	-0.1	5	-1	-10	7	46	nd	13600	182	27	nd	309	nd	-1	62	nd	87	395	-1
489	9616	8048	25	11	68	-0.1	2	-1	-10	10	31	nd	22700	496	66	nd	489	nd	-1	37	nd	104	254	-1
490	9620	8051	33	10	57	-0.1	3	-1	-10	14	37	nd	36000	1210	165	nd	212	nd	-1	28	nd	96	101	-1
491	9621	8052	32	13	96	-0.1	3	-1	-10	19	41	nd	54500	1050	84	nd	207	nd	-1	44	nd	119	223	-1
492	9617	8049	24	11	64	-0.1	3	-1	-10	21	48	nd	50400	1550	95	nd	223	nd	-1	43	nd	124	179	-1
492	9617d	8049d	25	11	72	-0.1	3	-1	-10	15	36	nd	36300	1270	117	nd	192	nd	-1	30	nd	77	101	-1
493	9619	8050	28	12	79	-0.1	4	-1	-10	17	41	nd	39400	1390	nd	nd	nd	nd	-1	30	nd	nd	nd	nd
494	9706	8125	35	17	81	-0.1	3	-1	-10	16	39	nd	41800	1220	166	nd	307	nd	-1	32	nd	113	178	-1
495	9705	8124	37	8	103	0.2	6	-1	-10	18	47	nd	67900	935	95	nd	478	nd	-1	43	nd	139	178	-1
496	9708	8126	28	8	72	-0.1	5	-1	-10	17	47	nd	41600	945	112	nd	674	nd	-1	43	nd	155	213	-1
497	9709	8127	20	5	36	-0.1	4	-1	-10	14	36	nd	33600	784	93	nd	507	nd	-1	38	nd	131	217	-1
498	9812	8206	45	12	129	-0.1	3	-1	-10	7	22	nd	13300	193	36	nd	386	nd	-1	27	nd	91	359	-1
499	9813	8207	32	9	98	-0.1	4	-1	-10	22	54	nd	55200	529	83	nd	764	nd	-1	47	nd	173	403	-1
500	9814	8208	45	7	121	-0.1	5	-1	-10	14	37	nd	35400	344	73	nd	552	nd	-1	36	nd	122	300	-1
501	9815	8209	31	6	79	-0.1	4	-1	-10	20	47	nd	53300	929	91	nd	507	nd	-1	30	nd	124	138	-1
501	9815d	8209d	29	6	80	0.2	4	-1	-10	13	35	nd	34200	507	51	nd	343	nd	-1	31	nd	77	234	-1
502	9710	8128	23	5	61	-0.1	5	-1	-10	12	35	nd	30400	528	nd	nd	nd	nd	-1	40	nd	nd	nd	nd
503	9711	8129	22	5	60	-0.1	4	-1	-10	11	29	nd	23800	466	61	nd	432	nd	-1	30	nd	114	308	-1
503	9711d	8129d	27	5	73	-0.1	4	-1	-10	12	30	nd	27200	628	67	nd	448	nd	-1	30	nd	101	205	-1
										13	42	nd	32800	750	nd	nd	nd	-1		55	nd	nd	nd	nd

Hap number	Ffe id number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	Br	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
504	9806	8200	44	6	118	-0.1	2	-1	-10	45	92	nd	13600	5460	79	nd	568	nd	-1	119	nd	129	130	-1
505	9807	8201	32	6	101	-0.1	1	-1	-10	22	39	nd	10400	1970	117	nd	535	nd	-1	41	nd	142	142	-1
506	9808	8202	37	8	111	0.1	5	-1	-10	15	38	nd	48300	556	79	nd	561	nd	-1	37	nd	181	206	-1
507	9630	8060	21	8	77	-0.1	-1	-1	-10	15	30	nd	48300	789	54	nd	85	nd	-1	33	nd	100	98	-1
508	9629	8059	30	9	105	-0.1	4	-1	-10	23	42	nd	63100	1130	54	nd	104	nd	-1	43	nd	113	100	-1
508	9629d	8059d	32	9	99	-0.1	4	-1	-10	23	42	nd	60600	1090	52	nd	94	nd	-1	47	nd	101	101	-1
509	9631	8061	26	8	103	-0.1	-1	-1	-10	21	41	nd	59800	1290	68	nd	187	nd	-1	41	nd	129	126	-1
510	9633	8062	26	8	78	-0.1	-1	-1	-10	18	45	nd	48200	873	53	nd	71	nd	-1	78	nd	90	90	-1
511	9634	8063	36	10	100	-0.1	-1	-1	-10	22	38	nd	57500	1050	61	nd	155	nd	-1	56	nd	118	115	-1
512	9809	8203	54	10	220	0.3	24	5	16	13	86	nd	33600	219	73	nd	905	nd	-1	22	nd	250	200	-1
513	9810	8204	20	5	44	-0.1	5	-1	-10	5	23	nd	72100	267	115	nd	202	nd	-1	24	nd	39	296	-1
514	9811	8205	44	9	83	-0.1	3	-1	-10	20	45	nd	44500	883	112	nd	566	nd	-1	29	nd	130	201	-1
514	9811d	8205d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	105	105	nd	568	nd	-1	37	nd	115	188	-1
515	9640	8068	25	10	62	-0.1	1	-1	-10	13	30	nd	35400	1040	75	nd	240	nd	-1	37	nd	97	191	-1
516	9638	8067	51	11	98	-0.1	-1	-1	-10	24	46	nd	56900	1420	77	nd	274	nd	-1	47	nd	154	148	-1
517	9637	8066	66	13	97	-0.1	3	-1	-10	29	94	nd	64500	1070	38	nd	171	nd	-1	138	nd	141	96	-1
518	9636	8065	31	13	73	-0.1	3	-1	-10	20	40	nd	41400	1330	51	nd	191	nd	-1	48	nd	77	137	-1
519	9635	8064	32	13	108	-0.1	3	-1	-10	20	48	nd	55000	1100	104	nd	413	nd	-1	62	nd	123	223	-1
520	9231	7749	41	11	69	-0.1	2	-1	36	21	62	40	41300	738	60	nd	600	nd	-1	66	100	nd	nd	nd
521	9230	7748	48	13	92	-0.1	3	-1	-10	27	65	52	49800	828	140	nd	730	nd	-1	72	150	nd	nd	nd
522	9233	7750	31	10	68	-0.1	2	-1	-10	22	48	34	37000	842	nd	85	nd	410	nd	54	100	nd	nd	nd
523	9234	7751	38	8	70	-0.1	2	-1	-10	24	49	36	46400	926	95	nd	360	nd	-1	56	100	nd	nd	nd
524	9235	7752	15	7	230	-1	1	-1	-10	46	61	44	93300	28200	nd	100	nd	490	nd	33	100	nd	nd	nd
524	9235d	7752d	16	9	242	0.1	2	-1	-10	48	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
525	9236	7753	33	6	64	0.1	2	-1	-10	23	45	32	41900	897	nd	75	nd	320	nd	57	100	nd	nd	nd
527	9540	7990	26	12	91	-0.1	3	-1	-10	20	39	nd	50200	2420	77	nd	170	nd	-1	40	nd	100	115	-1
527	9540d	7990d	33	11	70	-0.1	3	-1	-10	17	29	nd	52700	2180	nd	nd	nd	nd	-1	34	nd	nd	nd	nd
528	9542	7992	32	10	78	-0.1	3	-1	-10	20	41	nd	48900	1650	49	nd	130	nd	-1	41	nd	87	146	-1
529	9541	7991	21	10	178	-0.1	3	-1	-10	22	64	nd	64200	8960	51	nd	168	nd	-1	32	nd	78	115	-1
530	9543	7993	42	10	78	-0.1	3	-1	-10	20	41	nd	54800	1750	40	nd	138	nd	-1	36	nd	90	159	-1
531	9546	7995	44	14	73	-0.1	3	-1	-10	15	34	nd	40400	535	29	nd	262	nd	-1	36	nd	119	401	-1
532	9545	7994	22	7	61	-0.1	2	-1	-10	17	39	nd	33800	1410	98	nd	199	nd	-1	29	nd	69	120	-1
533	9125	7720	40	5	59	0.2	3	-1	-10	24	nd	28	nd	nd	nd	65	nd	270	nd	63	100	nd	nd	nd
533	9713	8130	23	6	53	-0.1	4	-1	-10	10	40	nd	26700	622	64	nd	394	nd	-1	31	nd	94	226	-1
534	9714	8131	24	6	54	0.1	4	-1	-10	10	27	nd	27700	700	70	nd	377	nd	-1	31	nd	92	233	-1
534a	9715	8132	41	8	68	-0.1	3	-1	-10	15	34	nd	37400	702	62	nd	400	nd	-1	42	nd	128	249	-1
534b	9716	8133	27	7	56	-0.1	3	-1	-10	11	30	nd	30000	687	58	nd	379	nd	-1	32	nd	88	208	-1
535	9716	8133	27	7	56	-0.1	3	-1	-10	11	30	nd	30000	687	58	nd	379	nd	-1	32	nd	88	208	-1
535	9716d	8133d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	62	nd	470	nd	nd	nd	91	245	-1	
535	9719	8135	23	4	78	-0.1	2	-1	-10	17	34	nd	47700	681	110	nd	354	nd	-1	39	nd	134	176	-1
537	9718	8134	33	8	54	-0.1	5	-1	-10	12	31	nd	30200	604	44	nd	403	nd	-1	35	nd	91	243	-1
538	9721	8136	24	5	52	-0.1	4	-1	-10	10	27	nd	27900	704	57	nd	381	nd	-1	32	nd	89	243	-1
539	9124	7719	21	8	41	0.1	4	-1	-10	16	nd	19	nd	nd	nd	35	nd	360	nd	-1	-50	nd	nd	nd
540	9561	8007	21	12	29	-0.1	6	-1	11	-10	18	nd	16400	321	-10	nd	166	nd	-1	23	nd	38	315	-1
540	9561d	8007d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	-10	nd	153	nd	-1	23	nd	36	278	-1
541	9559	8005	23	14	38	-0.1	5	-1	22	-10	20	nd	20500	436	-10	nd	399	nd	-1	35	nd	55	293	-1
542	9560	8006	35	12	71	0.1	4	-1	29	12	31	nd	30700	435	31	nd	522	nd	-1	35	nd	124	438	-1
543	9123	7718	45	9	61	0.1	2	-1	-10	27	nd	30	nd	nd	nd	75	nd	250	nd	-1	50	nd	nd	nd
544	9722	8137	40	7	62	-0.1	3	-1	-10	17	36	nd	37000	1420	73	nd	338	nd	-1	48	nd	89	205	-1
545	9723	8138	21	4	81	-0.1	3	-1	-10	15	33	nd	46000	860	105	nd	431	nd	-1	34	nd	154	196	-1
546	9122	7717	44	9	66	0.1	2	-1	-10	29	nd	32	nd	nd	nd	75	nd	290	nd	-1	nd	98	nd	nd
547	9724	8139	39	6	65	-0.1	2	-1	-10	15	36	nd	34500	997	88	nd	395	nd	-1	38	nd	98	174	-1
547	9724d	8139d	38	5	66	-0.1	2	-1	-10	15	32	nd	33300	993	99	nd	nd	nd	-1	32	nd	nd	nd	nd
548	9725	8140	22	5	45	-0.1	3	-1	-10	9	36	nd	25300	655	52	nd	339	nd	-1	63	nd	77	228	-1
549	9435	7907	16	10	53	-0.1	1	-1	-10	12	24	nd	34200	678	nd	95	nd	300	nd	-1	18	nd	nd	nd
550	9437	7908	26	14	48	-0.1	2	-1	18	12	29	nd	31300	566	nd	55	nd	400	nd	-1	24	nd	nd	nd
551	9434	7906	28	16	51	-0.1	2	-1	19	13	32	nd	32600	559	nd	60	nd	420	nd	-1	25	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	Bi*	Ba	Ba*	Cd	Cr	Cr*	V	Sc	Be
552	9432	7905	30	14	62	-0.1	2	-1	22	15	36	nd	36800	588	nd	65	nd	470	-1	29	nd	nd	nd	nd
553	9431	7906	30	15	57	-0.1	2	-1	20	14	33	nd	33300	548	nd	55	nd	480	-1	28	nd	nd	nd	nd
554a	9424	7899	33	16	56	-0.1	2	-1	-10	15	38	nd	39400	435	nd	55	nd	710	-1	46	nd	nd	nd	nd
554b	9425	7900	34	19	64	-0.1	2	-1	20	14	38	nd	38800	589	nd	70	nd	580	-1	36	nd	nd	nd	nd
554b	9425d	7900d	34	17	70	-0.1	2	-1	22	17	43	nd	40900	535	nd	125	nd	640	-1	35	nd	nd	nd	nd
555	9429	7903	36	18	92	-0.1	3	-1	47	17	42	nd	42500	593	nd	50	nd	640	-1	30	nd	nd	nd	nd
556	9427	7901	27	20	59	-0.1	2	-1	27	11	32	nd	25300	399	nd	50	nd	640	-1	30	nd	nd	nd	nd
557	9428	7902	26	38	113	0.1	3	-1	64	11	37	nd	24800	506	nd	55	nd	510	-1	33	nd	nd	nd	nd
558	9413	7893	17	17	16	-0.1	3	5	18	6	19	nd	9840	196	nd	15	nd	120	-1	25	nd	nd	nd	nd
559	9411	7891	24	15	34	-0.1	3	-1	-10	8	24	nd	22700	306	nd	40	nd	250	-1	43	nd	nd	nd	nd
560	9412	7892	32	29	108	0.1	1	-10	-10	20	36	nd	61300	1170	nd	90	nd	390	-1	62	nd	nd	nd	nd
561	9416	7894	33	24	83	-0.1	2	5	-10	16	30	nd	48500	994	nd	75	nd	240	-1	46	nd	nd	nd	nd
562	9415	7895	28	22	60	-0.1	2	2	12	12	26	nd	33700	796	nd	60	nd	200	-1	36	nd	nd	nd	nd
563	9417	7896	32	17	16	-0.1	3	7	18	4	14	nd	6950	156	nd	20	nd	70	-1	21	nd	nd	nd	nd
565	9418	7897	32	16	63	-0.1	-1	-1	-10	17	34	nd	50300	1750	nd	90	nd	340	-1	35	nd	nd	nd	nd
567	9422	7898	30	19	50	-0.1	3	-1	-10	11	24	nd	30500	775	nd	55	nd	200	-1	32	nd	nd	nd	nd
568	9670	8093	28	13	50	0.2	8	-1	37	13	38	nd	20000	449	nd	37	nd	623	-1	38	nd	99	397	-1
569	9671	8094	29	12	56	0.1	7	-1	39	12	37	nd	22000	478	nd	41	nd	711	-1	38	nd	111	447	-1
570	9668	8092	32	18	81	0.1	3	-1	-10	17	32	nd	36100	978	nd	52	nd	nd	-1	51	nd	123	243	-1
571	9672	8095	28	12	45	0.1	7	-1	28	11	33	nd	14300	430	nd	33	nd	512	-1	36	nd	86	391	-1
572	9674	8096	34	19	80	0.1	3	-1	14	15	32	nd	37700	824	nd	68	nd	516	-1	51	nd	128	309	-1
573	9675	8097	33	19	94	-0.1	1	-1	-10	19	32	nd	41100	1390	nd	69	nd	nd	-1	48	nd	108	212	-1
573	9675d	8097d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	72	nd	352	-1	48	nd	128	228	-1
574	9677	8099	35	11	72	-0.1	2	-1	-10	19	34	nd	42600	943	nd	128	nd	436	-1	48	nd	132	169	-1
574	9677d	8099d	34	11	75	-0.1	2	-1	-10	20	35	nd	43300	947	nd	nd	nd	nd	-1	48	nd	101	215	-1
575	9676	8098	28	16	69	-0.1	3	-1	-10	14	26	nd	31500	898	nd	77	nd	372	-1	44	nd	103	246	-1
576	9679	8100	28	19	62	-0.1	3	-1	-10	12	22	nd	28900	890	nd	58	nd	355	-1	33	nd	103	246	-1
577	9680	8101	27	16	66	0.1	3	-1	-10	12	23	nd	32200	890	nd	57	nd	367	-1	38	nd	102	223	-1
578	9682	8102	25	15	60	0.1	2	-1	-10	14	27	nd	29500	924	nd	76	nd	362	-1	41	nd	90	253	-1
579	9126	7721	28	6	55	0.2	6	-1	-10	33	12	nd	43	nd	nd	85	nd	700	-1	nd	100	nd	nd	nd
580	9728	8141	18	5	20	-0.1	3	-1	-10	3	16	nd	6490	201	nd	13	nd	166	-1	24	nd	40	301	-1
581	9729	8142	24	11	30	-0.1	3	-1	42	4	16	nd	17700	244	nd	20	nd	281	-1	30	nd	58	325	-1
582	9730	8143	21	7	25	-0.1	3	-1	13	4	14	nd	8650	271	nd	16	nd	192	-1	28	nd	50	338	-1
583	9732	8144	76	3	17	-0.1	4	-1	-10	3	13	nd	6450	248	nd	15	nd	175	-1	24	nd	49	336	-1
584	9733	8145	29	3	49	-0.1	3	-1	-10	11	28	nd	26000	985	nd	58	nd	386	-1	33	nd	85	239	-1
585	10007	8349	32	16	116	-0.1	3	-1	-10	15	40	nd	39600	644	nd	79	nd	966	-1	31	nd	166	456	-1
585	10007d	8349d	34	15	113	-0.1	4	-1	-10	17	49	nd	37300	592	nd	49	nd	nd	-1	48	nd	161	503	-1
586	9691	8111	49	16	54	-0.1	2	-1	-10	-10	19	nd	15600	338	nd	26	nd	367	-1	30	nd	66	226	-1
587	9690	8110	16	13	18	-0.1	5	3	-10	-10	13	nd	9980	245	nd	12	nd	210	-1	25	nd	54	310	-1
587	9689	8109	31	16	119	0.1	1	-1	-10	16	43	nd	39500	556	nd	69	nd	732	-1	44	nd	141	365	-1
588	9689d	8109d	33	17	130	0.1	1	-1	-10	18	48	nd	42500	705	nd	nd	nd	nd	-1	48	nd	nd	nd	nd
589	9686	8108	15	14	23	-0.1	5	-1	-10	-10	15	nd	11400	241	nd	15	nd	243	-1	23	nd	65	334	-1
590	9687	8107	19	36	127	0.2	5	4	27	-10	17	nd	11300	306	nd	23	nd	338	-1	28	nd	75	294	-1
591	9686	8106	43	10	79	0.1	2	-1	18	23	52	nd	41200	624	nd	42	nd	578	-1	64	nd	13	320	-1
592	9685	8105	73	14	15	0.1	4	4	16	5	13	nd	6220	146	nd	-10	nd	171	-1	23	nd	43	262	-1
593	9684	8104	11	13	4	-0.1	5	-1	-10	4	12	nd	3800	87	nd	-10	nd	154	-1	27	nd	36	306	-1
594	9683	8103	50	9	81	-0.1	1	-1	-10	25	57	nd	45800	736	nd	47	nd	711	-1	65	nd	161	373	-1
595	9692	8112	29	117	275	0.4	6	10	107	-10	34	nd	22900	943	nd	73	nd	nd	-1	33	nd	117	241	-1
596	9693	8113	51	22	169	0.1	3	-1	88	21	52	nd	48800	767	nd	79	nd	+1000	-1	54	nd	181	419	-1
597	9694	8114	26	21	116	0.2	4	-1	14	12	37	nd	29400	535	nd	78	nd	nd	-1	43	nd	124	312	-1
598	9695	8115	44	16	187	0.2	2	-1	-10	22	65	nd	47000	932	nd	98	nd	+1000	-1	52	nd	188	239	-1
598	9695d	8115d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	112	nd	nd	nd	nd	nd	210	256	-1
599	9696	8116	24	14	156	0.1	1	-1	-10	15	48	nd	42000	729	nd	111	nd	+1000	-1	43	nd	156	213	-1
600	9698	8118	44	17	124	0.1	3	-1	-10	17	44	nd	35700	1210	nd	44	nd	903	-1	47	nd	118	278	-1
601	9127	7722	35	7	71	0.2	3	-1	-10	20	nd	nd	nd	nd	nd	70	nd	470	-1	nd	100	nd	nd	nd
601	9127d	7722d	33	10	65	0.2	3	-1	-10	19	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba*	Cd	Cr	Cr*	V	Sr	Bc
602	9799	8195	14	2	10	-0.1	4	-1	-10	5	17	nd	9020	156	-10	nd	176	-1	27	nd	43	299	-1
603	9798	8194	28	3	43	-0.1	1	-1	-10	15	45	nd	41300	444	40	nd	606	-1	48	nd	105	706	-1
604	9796	8193	18	1	15	0.1	3	-1	-10	5	15	nd	9640	175	-10	nd	191	-1	26	nd	50	337	-1
605	10001	8344	12	4	4	-0.1	3	-1	-10	15	15	nd	6480	113	13	nd	194	-1	24	nd	58	326	-1
606	10002	8345	19	3	16	-0.1	3	-1	-10	10	22	nd	14900	235	19	nd	323	-1	32	nd	71	318	-1
607	10003	8346	17	3	15	-0.1	3	-1	-10	10	17	nd	14100	254	22	nd	295	-1	27	nd	81	417	-1
608	10004	8347	27	4	26	0.1	2	-1	-10	12	25	nd	21900	402	38	nd	461	-1	36	nd	125	541	-1
609	10006	8348	17	3	13	-0.1	3	-1	-10	10	18	nd	11900	257	24	nd	317	-1	28	nd	86	440	-1
610	9794	8192	27	4	49	-0.1	3	-1	-10	11	36	nd	26000	453	20	nd	305	-1	49	nd	72	335	-1
611	9792	8191	22	4	54	-0.1	3	-1	-10	10	26	nd	20500	391	17	nd	293	-1	32	nd	52	277	-1
612	9791	8190	38	6	50	0.1	3	-1	-10	14	37	nd	29100	487	43	nd	460	-1	37	nd	80	304	-1
613	9120	7716	25	5	51	0.1	4	-1	-10	22	nd	20	nd	nd	nd	40	260	-1	nd	-50	nd	nd	nd
614	9118	7714	25	4	31	0.1	3	-1	-10	24	nd	21	nd	nd	nd	40	180	-1	nd	-50	nd	nd	nd
615	9119	7715	27	8	38	0.1	3	-1	-10	23	nd	19	nd	nd	nd	30	200	-1	nd	50	nd	nd	nd
616	9790	8189	36	5	54	-0.1	3	-1	-10	10	35	nd	21800	299	31	nd	485	-1	33	nd	85	404	-1
617	9790d	8189d	39	5	81	nd	3	-1	-10	11	34	nd	22300	364	nd	nd	nd	-1	36	nd	nd	nd	nd
618	13683	10083	37	9	58	-0.1	4	-1	-10	12	26	nd	26800	451	nd	35	500	-1	40	nd	nd	nd	nd
619	9392	7876	29	12	60	-0.1	3	-1	-10	21	62	36	nd	nd	nd	45	500	-1	nd	150	nd	nd	nd
620	9391	7875	27	8	55	-0.1	1	-1	-10	23	75	54	nd	nd	nd	100	490	-1	nd	300	nd	nd	nd
621	9390	7874	25	7	71	-0.1	1	-1	-10	23	43	30	nd	nd	nd	85	450	-1	nd	150	nd	nd	nd
622	9388	7873	17	4	43	-0.1	3	-1	-10	18	41	21	nd	nd	nd	65	240	-1	nd	100	nd	nd	nd
623	9387	7872	33	6	44	-0.1	1	-1	-10	21	35	23	nd	nd	nd	30	290	-1	nd	150	nd	nd	nd
624	9387d	7872d	36	9	47	-0.1	1	-1	-10	22	38	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
625	9901	8276	28	8	106	-0.1	4	-1	-10	12	34	nd	30400	453	55	nd	483	-1	30	nd	115	413	-1
626	9899	8275	19	7	100	-0.1	3	-1	-10	13	33	nd	35500	589	92	nd	645	-1	38	nd	127	326	-1
627	9898	8274	23	8	108	-0.1	3	-1	-10	14	43	nd	38000	562	84	nd	725	-1	60	nd	161	294	-1
628	9896	8272	23	6	86	-0.1	3	-1	-10	10	25	nd	19300	359	35	nd	433	-1	25	nd	82	413	-1
629	9895	8271	25	4	56	0.2	6	-1	-10	10	21	nd	4710	132	19	nd	574	-1	17	nd	108	496	-1
630	9892	8269	18	4	34	-0.1	4	-1	-10	10	18	nd	11900	252	36	nd	350	-1	21	nd	84	467	-1
631	9891	8268	24	6	58	-0.1	4	-1	-10	6	22	nd	14100	312	nd	nd	nd	-1	24	nd	nd	nd	nd
632	9890	8267	16	5	29	-0.1	5	-1	-10	10	26	nd	21500	434	58	nd	464	-1	28	nd	103	453	-1
633	9889	8267	25	16	138	0.2	5	-1	-10	10	32	nd	17900	378	55	nd	254	-1	17	nd	159	521	-1
634	9887	8266	23	8	105	0.2	5	-1	-10	10	27	nd	20300	387	48	nd	574	-1	24	nd	159	461	-1
635	9886	8265	32	11	119	0.2	4	-1	-10	17	47	nd	44600	542	nd	nd	455	-1	27	nd	108	383	-1
636	9885	8264	23	7	68	-0.1	4	-1	-10	14	36	nd	22800	371	96	nd	831	-1	50	nd	208	299	-1
637	9884	8263	27	10	93	-0.1	3	-1	-10	14	29	nd	31100	430	78	nd	652	-1	28	nd	130	370	-1
638	13759	10149	22	11	48	-0.1	6	-1	-10	10	16	nd	19000	391	nd	35	260	-1	31	nd	146	346	-1
639	13757	8501	38	12	139	0.2	12	-1	-10	11	68	nd	24600	354	79	nd	363	-1	13	nd	nd	nd	nd
640	13756	8501d	36	nd	136	nd	nd	nd	-10	10	60	nd	22200	343	nd	nd	nd	-1	55	nd	163	129	-1
641	13755	8502	39	13	111	-0.1	4	-1	-10	18	73	nd	40000	562	nd	nd	nd	-1	39	nd	nd	nd	nd
642	13754	8503	34	11	106	0.1	4	-1	-10	16	73	nd	35800	557	97	nd	321	-1	86	nd	146	129	-1
643	13753	8504	30	8	69	-0.1	7	-1	-10	13	43	nd	29500	653	81	nd	315	-1	76	nd	137	120	-1
644	13752	8505	33	11	126	-0.1	8	-1	-10	13	59	nd	29500	454	78	nd	270	-1	53	nd	132	82	-1
645	13751	8506	32	11	109	-0.1	7	-1	-10	13	57	nd	31800	581	83	nd	318	-1	51	nd	154	85	-1
646	13750	8507	32	8	103	-0.1	7	-1	-10	13	53	nd	32600	563	66	nd	293	-1	56	nd	132	100	-1
647	13749	8508	10	4	16	-0.1	5	-1	-10	10	21	nd	2810	131	19	nd	137	-1	43	nd	129	81	-1
648	13748	8509	16	6	16	-0.1	6	-1	-10	10	23	nd	4200	739	20	nd	127	-1	41	nd	49	118	-1
649	13747	8510	24	8	65	-0.1	7	-1	-10	10	39	nd	18000	354	51	nd	230	-1	51	nd	50	99	-1
650	13746	8511	23	6	55	-0.1	7	-1	-10	10	37	nd	15900	328	37	nd	181	-1	51	nd	93	108	-1
651	13745	8512	22	7	57	-0.1	6	-1	-10	10	42	nd	16700	317	nd	nd	nd	-1	40	nd	71	115	-1
652	13744	8513	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
653	13743	8514	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
654	13742	8515	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
655	13741	8516	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
656	13740	8517	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
657	13739	8518	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
658	13738	8519	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
659	13737	8520	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
660	13736	8521	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
661	13735	8522	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
662	13734	8523	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
663	13733	8524	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
664	13732	8525	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
665	13731	8526	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
666	13730	8527	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
667	13729	8528	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
668	13728	8529	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
669	13727	8530	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
670	13726	8531	22	7	57	-0.1	6	-1	-10	10	42	nd	16900	338	46	nd	206	-1	61	nd	97	119	-1
671	13725	853																					

Map number	Field number	Lab number	Cu	Pb	Zn	Aq	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	B ₂	Be*	Cd	Cr	Cr*	V	Sc	Re
653	13558	9991	43	15	90	-0.1	4	-1	-10	19	29	nd	38700	693	72	80	245	370	1	25	nd	101	94	-1
654	13556	9989	50	17	89	-0.1	2	-1	-10	26	39	nd	49900	3260	nd	125	310	510	-1	14	nd	nd	nd	nd
655	13555	9988	25	17	85	0.2	2	-1	-10	21	25	nd	28400	717	107	80	311	530	-1	10	nd	95	40	-1
656	13555d	9988d	25	15	91	0.2	2	-1	-10	12	25	nd	27800	742	nd	nd	nd	nd	-1	11	nd	nd	nd	nd
666	13557	9990	63	16	98	-0.1	2	-1	-10	31	48	nd	56900	3600	130	135	336	520	-1	17	nd	88	45	-1
667	13554	9987	71	19	84	0.3	2	-1	-10	32	49	nd	49400	3800	145	130	318	550	-1	13	nd	87	41	-1
668	13552	9985	47	17	78	-0.1	2	-1	-10	19	41	nd	41500	666	235	230	435	840	-1	22	nd	178	54	-1
668	13553	9986	62	14	75	0.2	2	-1	-10	33	41	nd	52000	3600	131	120	250	390	-1	18	nd	113	46	-1
669	13763	10152	45	10	81	-0.1	2	-1	-10	23	37	nd	49800	1710	nd	120	26	390	-1	26	nd	nd	nd	nd
670	13762	10151	47	10	90	-0.1	2	-1	-10	27	34	nd	58900	1570	nd	105	nd	350	-1	30	nd	nd	nd	nd
671	13764	10153	69	11	146	-0.1	4	-1	-10	38	60	nd	79100	2560	nd	125	nd	470	5	42	nd	81	159	-1
672	13355	8490	21	8	46	-0.1	4	-1	-10	-10	35	nd	16400	446	37	nd	228	nd	-1	51	nd	nd	nd	nd
673	13350	8486	35	9	91	-0.1	4	-1	-10	19	64	nd	35000	781	30	nd	98	nd	-1	80	nd	92	58	-1
674a	13351	8487	25	8	47	-0.1	4	-1	-10	-10	37	nd	16500	432	-10	nd	71	nd	-1	63	nd	47	168	-1
674b	13352	8488	24	10	57	-0.1	4	-1	-10	-10	40	nd	19600	528	-10	nd	88	nd	-1	61	nd	58	136	-1
675	13766	10154	47	12	110	-0.1	4	-1	-10	18	41	nd	42900	841	nd	80	nd	760	1	36	nd	nd	nd	nd
677	13354	8489	48	14	80	0.2	3	-1	-10	25	61	nd	47600	2670	157	nd	317	nd	-1	66	nd	132	72	-1
678	13356	8491	45	11	92	-0.1	3	-1	-10	22	58	nd	51700	2390	100	nd	276	nd	-1	69	nd	111	49	-1
678	13356d	8491d	46	nd	103	nd	2	nd	nd	24	64	nd	61400	2780	nd	nd	nd	nd	-1	63	nd	nd	nd	nd
679	13358	8492	30	9	55	-0.1	4	-1	-10	12	42	nd	26000	1090	58	nd	209	nd	-1	69	nd	84	92	-1
680	13359	8493	29	11	60	-0.1	4	-1	-10	13	43	nd	29200	1190	66	nd	262	nd	-1	67	nd	100	91	-1
681	13360	8494	32	9	58	-0.1	4	-1	-10	13	43	nd	28700	1320	69	nd	209	nd	-1	59	nd	88	112	-1
682	13361	8495	35	8	87	-0.1	2	-1	-10	22	56	nd	47600	1760	108	nd	241	nd	-1	75	nd	125	54	-1
683	13363	8496	28	8	55	-0.1	4	-1	-10	12	40	nd	51400	1180	69	nd	220	nd	-1	57	nd	89	88	-1
684	13742	10133	37	14	74	-0.1	4	-1	-10	20	30	nd	31300	547	nd	55	nd	560	1	30	nd	95	41	-1
685	13511	9954	39	9	77	-0.1	2	-1	-10	20	28	nd	51100	1060	70	110	112	360	-1	26	nd	nd	nd	nd
686	13510	9953	33	8	53	-0.1	2	-1	-10	13	21	nd	32300	523	-10	50	213	650	-1	25	nd	77	89	-1
686	13510d	9953d	32	8	53	-0.1	2	-1	-10	13	22	nd	32300	521	nd	nd	nd	nd	-1	24	nd	nd	nd	nd
687	13509	9952	37	7	71	-0.1	2	-1	-10	20	27	nd	46300	866	58	90	91	290	-1	27	nd	77	46	-1
688	13507	9951	36	9	83	-0.1	1	-1	-10	21	28	nd	51400	1160	79	110	93	330	-1	27	nd	112	33	-1
689	13506	9950	42	12	82	-0.1	1	-1	-10	21	28	nd	51800	1460	97	130	83	300	-1	27	nd	97	27	-1
690	13505	9949	38	5	75	-0.1	2	-1	-10	16	23	nd	43800	836	88	110	94	330	-1	28	nd	124	37	-1
691	9069	7678	36	8	69	-0.1	2	-1	-10	25	23	nd	nd	nd	nd	110	360	360	-1	nd	50	nd	nd	nd
692a	9070	7679	36	7	71	-0.1	2	-1	-10	25	25	nd	nd	nd	nd	105	nd	340	-1	nd	50	nd	nd	nd
692b	9071	7680	39	8	76	-0.1	2	-1	-10	27	27	nd	nd	nd	nd	110	nd	400	-1	nd	100	nd	nd	nd
693	9072	7681	39	9	109	-0.1	2	-1	-10	32	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
694	9074	7682	49	13	76	-0.1	2	-1	-10	30	nd	nd	nd	nd	nd	165	nd	550	-1	nd	100	nd	nd	nd
694	9074d	7682d	51	13	78	-0.1	2	-1	-10	31	nd	nd	nd	nd	nd	nd	nd	nd	-1	nd	100	nd	nd	nd
695	9076	7684	37	8	70	-0.1	2	-1	-10	26	nd	nd	nd	nd	nd	100	nd	430	-1	nd	100	nd	nd	nd
696	9075	7683	33	14	80	0.2	4	-1	-10	26	nd	nd	nd	nd	nd	75	nd	450	-1	nd	100	nd	nd	nd
697	9077	7685	38	7	65	-0.1	2	-1	-10	26	nd	nd	nd	nd	nd	95	nd	350	-1	nd	100	nd	nd	nd
698	9079	7686	29	9	86	-0.1	2	-1	-10	25	nd	nd	nd	nd	nd	100	nd	430	-1	50	nd	nd	nd	nd
699	13758	10148	48	12	78	-0.1	3	-1	-10	14	32	nd	38300	833	nd	130	nd	510	-1	25	nd	nd	nd	nd
700	13757	10147	48	8	88	-0.1	2	-1	-10	25	34	nd	57400	1340	nd	125	nd	390	1	35	nd	nd	nd	nd
701	13756	10146	45	11	87	-0.1	3	-1	-10	21	33	nd	47700	951	nd	95	nd	380	1	29	nd	nd	nd	nd
702	13755	10145	64	12	101	-0.1	2	-1	-10	30	42	nd	67500	1760	nd	90	nd	430	-1	60	nd	nd	nd	nd
703	9081	7687	23	7	54	-0.1	4	-1	-10	22	nd	nd	nd	nd	nd	65	nd	230	-1	nd	50	nd	nd	nd
704	13332	8472	33	11	63	0.1	2	-1	-16	11	41	nd	28900	563	63	nd	548	nd	-1	67	nd	97	143	-1
705	13333	8473	37	11	56	0.1	2	-1	-15	-10	39	nd	24000	583	54	nd	465	nd	-1	61	nd	83	126	-1
706	13334	8474	28	11	67	0.1	2	-1	-16	-10	36	nd	26500	587	57	nd	447	nd	-1	50	nd	87	146	-1
707	13258	8478	26	12	58	-0.1	2	-1	-10	11	51	nd	27800	449	70	nd	404	nd	-1	72	nd	134	151	-1
708	13253	8477	12	9	58	-0.1	2	-1	-10	9	37	nd	28600	499	70	nd	396	nd	-1	55	nd	122	129	-1
709	13252	8476	23	9	45	-0.1	2	-1	-10	9	38	nd	26600	481	67	nd	393	nd	-1	60	nd	122	138	-1
710	9083	7688	22	5	49	-0.1	4	-1	-10	19	nd	nd	nd	nd	nd	60	nd	210	-1	nd	50	nd	nd	nd
711	9709	7707	40	11	99	0.1	3	-1	-10	22	nd	nd	nd	nd	nd	75	nd	630	-1	nd	100	nd	nd	nd
712	9110	7708	25	9	74	-0.1	4	-1	-10	18	nd	nd	nd	nd	nd	65	nd	400	-1	nd	100	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
713	9112	7709	29	9	47	-0.1	3	-1	12	21	nd	36	nd	nd	nd	35	nd	340	-1	nd	150	nd	nd	nd
714	13247	8422	40	15	59	-0.1	1	-1	-10	13	41	nd	33900	908	144	nd	255	nd	1	40	nd	102	119	-1
715	13248	8423	41	18	57	-0.1	1	-1	-10	15	44	nd	33000	1350	116	nd	251	nd	1	37	nd	102	130	-1
716	13249	8424	38	14	57	-0.1	1	-1	-10	16	43	nd	32100	1190	122	nd	271	nd	-1	43	nd	105	144	-1
717	13250	8425	26	10	37	-0.1	3	-1	-10	9	32	nd	18400	492	53	nd	181	nd	-1	35	nd	61	146	-1
718	13228	8407	20	10	40	-0.1	2	-1	-10	11	30	nd	24000	567	77	nd	236	nd	2	39	nd	83	161	-1
719	13226	8406	27	9	37	-0.1	3	-1	-10	11	30	nd	22400	706	65	nd	217	nd	2	32	nd	76	234	-1
720	13225	8405	21	11	46	-0.1	2	-1	-10	10	32	nd	25400	579	70	nd	241	nd	2	39	nd	89	123	-1
721	13223	8404	39	6	57	-0.1	2	-1	-10	16	36	nd	33400	598	107	nd	280	nd	2	31	nd	114	326	-1
722	13221	8402	52	7	55	-0.1	2	-1	-10	19	107	nd	37200	872	97	nd	322	nd	1	199	nd	155	194	-1
723	13222	8403	30	12	65	-0.1	2	-1	-10	13	31	nd	28700	580	96	nd	276	nd	2	32	nd	96	234	-1
723	13222d	8403d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	90	nd	260	nd	nd	nd	nd	93	225	-1
724	9113	7710	27	8	39	0.1	3	-1	13	21	nd	24	nd	nd	75	nd	220	nd	-1	nd	50	nd	nd	nd
725	9128	7723	43	8	52	0.1	3	-1	-10	24	nd	31	nd	nd	70	nd	170	nd	-1	nd	-50	nd	nd	nd
726	9129	7724	30	5	43	0.1	2	-1	-10	19	nd	28	nd	nd	75	nd	230	nd	-1	nd	-50	nd	nd	nd
727	9130	7725	36	6	50	-0.1	2	-1	-10	21	nd	32	nd	nd	90	nd	290	nd	-1	nd	50	nd	nd	nd
728	9131	7726	39	8	56	0.1	2	-1	-10	25	nd	32	nd	nd	65	nd	210	nd	-1	nd	50	nd	nd	nd
729	9115	7712	35	10	39	0.1	3	-1	-10	19	nd	24	nd	nd	60	nd	190	nd	-1	nd	50	nd	nd	nd
729	9115d	7712d	37	10	42	0.1	2	-1	-10	19	nd	24	nd	nd	60	nd	210	nd	-1	nd	50	nd	nd	nd
730	9114	7711	36	10	46	-0.1	3	-1	-10	21	nd	24	nd	nd	60	nd	200	nd	-1	nd	100	nd	nd	nd
731	9116	7713	36	8	46	0.1	2	-1	-10	20	nd	24	nd	nd	60	nd	200	nd	-1	nd	100	nd	nd	nd
732	13684	10084	48	9	67	-0.1	2	-1	12	16	24	nd	40500	1030	nd	75	nd	260	-1	13	nd	nd	nd	nd
733	9394	7877	49	9	49	-0.1	2	-1	28	40	22	22	nd	nd	nd	80	nd	480	-1	nd	100	nd	nd	nd
734	9395	7878	34	9	60	0.1	2	-1	46	19	42	25	nd	nd	nd	110	nd	410	-1	nd	100	nd	nd	nd
736	9396	7879	44	9	65	0.1	2	-1	26	22	44	28	nd	nd	nd	105	nd	580	-1	nd	150	nd	nd	nd
736	13518	9959	32	10	68	-0.1	4	-1	10	18	32	25	40000	1090	113	125	128	490	-1	22	nd	91	177	-1
737	9397	7880	33	7	50	0.1	2	-1	34	20	38	25	nd	nd	nd	75	nd	280	-1	nd	100	nd	nd	nd
738	13519	9960	33	8	59	-0.1	3	-1	15	16	28	nd	34900	839	86	100	128	430	-1	20	nd	66	236	-1
739	13520	9961	38	9	79	-0.1	3	-1	15	19	40	nd	45700	818	105	130	193	560	-1	24	nd	101	206	-1
740	13521	9962	30	7	54	-0.1	3	-1	-10	14	26	nd	32400	688	67	100	91	350	-1	18	nd	63	232	-1
740	13521d	9962d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	65	nd	96	nd	nd	nd	nd	51	208	-1
741	13523	9963	29	7	57	-0.1	3	-1	-10	14	26	nd	33900	713	115	95	236	370	-1	20	nd	77	261	-1
742	13655	10059	20	9	119	-0.1	2	-1	-10	22	64	nd	61300	850	nd	100	nd	470	1	68	nd	nd	nd	nd
743	13657	10061	23	10	66	-0.1	3	-1	10	13	34	nd	35900	608	nd	80	nd	250	1	39	nd	nd	nd	nd
744	13658	10062	22	11	87	-0.1	3	-1	10	14	36	nd	38000	625	nd	65	nd	270	1	40	nd	nd	nd	nd
745	9539	7989	50	11	53	-0.1	4	-1	-10	14	37	nd	30800	918	42	nd	135	nd	-1	41	nd	51	+1000	-1
745	9539d	7989d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	25	nd	108	nd	nd	nd	60	+1000	-1	
746	9537	7988	26	11	49	-0.1	3	-1	-10	10	26	nd	30700	997	37	nd	109	nd	-1	29	nd	54	+1000	-1
747	9536	7987	40	10	61	-0.1	4	-1	18	15	32	nd	35200	724	37	nd	188	nd	-1	32	nd	76	+1000	-1
748	9535	7986	46	12	50	-0.1	3	-1	-10	13	29	nd	29800	1060	16	nd	135	nd	-1	29	nd	52	+1000	-1
749	9534	7985	47	14	83	-0.1	4	-1	23	18	43	nd	43200	811	37	nd	385	nd	-1	41	nd	108	+1000	-1
750	9532	7983	38	9	59	-0.1	2	-1	-10	12	30	nd	30100	732	53	nd	167	nd	-1	28	nd	78	446	-1
751	13647	10052	63	10	76	-0.1	3	-1	15	19	31	nd	42100	1120	nd	80	nd	310	-1	23	nd	nd	nd	nd
752	13650	10054	289	11	35	-0.1	7	-1	-10	13	24	nd	22300	688	nd	30	nd	570	1	13	nd	nd	nd	nd
753	13648	10053	101	10	36	-0.1	5	-1	-10	12	22	nd	23200	549	nd	45	nd	430	1	14	nd	nd	nd	nd
754	9527	7979	71	9	18	-0.1	3	-1	-10	10	18	nd	21200	636	-10	nd	213	nd	-1	17	nd	49	725	-1
755	9101	7701	30	7	48	-0.1	3	-1	-10	19	nd	24	nd	nd	nd	50	nd	270	-1	nd	150	nd	nd	nd
756	9529	7981	36	12	68	-0.1	4	-1	-10	11	29	nd	28300	658	29	nd	185	nd	-1	34	nd	78	652	-1
757	9531	7982	35	9	41	-0.1	3	-1	-10	10	20	nd	22200	472	26	nd	132	nd	-1	23	nd	56	654	-1
758	9526	7978	44	13	7	-0.1	4	-1	-10	10	14	nd	9090	193	-10	nd	nd	nd	-1	20	nd	31	797	-1
759	9528	7980	94	10	29	-0.1	4	-1	-10	10	20	nd	25400	466	20	nd	319	nd	-1	21	nd	72	799	-1
759	9528d	7980d	96	10	25	-0.1	4	-1	-10	10	21	nd	23200	467	nd	nd	nd	nd	-1	24	nd	nd	nd	nd
760	9102	7702	21	8	33	0.1	3	-1	-10	18	nd	20	nd	nd	nd	50	nd	190	-1	24	50	nd	nd	nd
760	9102d	7702d	21	7	32	0.1	3	-1	-10	18	nd	20	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
761	9103	7703	32	6	59	-0.1	3	-1	-10	17	nd	24	nd	nd	nd	55	nd	340	-1	nd	50	nd	nd	nd
762	9533	7984	35	10	47	-0.1	1	-1	11	-10	25	nd	24500	597	19	nd	140	nd	-1	29	nd	68	566	-1

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Hg	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Ct	Cu*	V	Sc	Be
763	13686	10086	20	8	22	-0.1	4	-1	-10	-10	11	nd	11000	286	nd	35	nd	230	1	15	nd	nd	nd	nd
764	13685	10085	9	7	11	0.1	5	-1	15	-10	-10	nd	4520	144	nd	35	nd	160	1	-10	nd	nd	nd	nd
765	9105	7704	13	17	54	-0.1	2	-1	70	15	nd	14	nd	nd	nd	35	nd	570	-1	nd	-50	nd	nd	nd
766a	9106	7705	16	14	45	-0.1	3	-1	55	15	nd	12	nd	nd	nd	35	nd	510	-1	nd	-50	nd	nd	nd
766b	10087	7706	29	15	157	0.2	32	4	156	-10	41	12	19200	234	nd	55	nd	1720	2	10	nd	nd	nd	nd
767a	9107	7706	13	7	25	-0.1	5	-1	22	19	nd	12	nd	nd	nd	15	nd	160	-1	nd	-50	nd	nd	nd
767b	13688	10088	23	22	121	0.1	9	4	69	-10	24	nd	18200	466	nd	45	nd	1150	1	10	nd	nd	nd	nd
768	13689	10088	51	15	85	-0.1	6	4	54	16	35	nd	31100	602	nd	70	nd	500	2	28	nd	nd	nd	nd
769	13690	10185	16	12	60	-0.1	6	-1	36	-10	16	nd	13200	288	nd	25	nd	410	1	13	nd	nd	nd	nd
770	13689	10089	36	10	89	-0.1	3	-1	-10	13	36	nd	34100	500	nd	105	nd	700	1	17	nd	nd	nd	nd
771	9915	8288	14	9	97	-0.1	4	-1	-10	12	27	nd	37200	580	106	nd	770	nd	1	39	nd	151	183	-1
772	9916	8289	23	13	114	-0.1	3	-1	-10	15	34	nd	41600	659	82	nd	788	nd	-1	43	nd	147	159	-1
773	9916d	8289d	22	12	103	-0.1	1	-1	-10	14	44	nd	38700	635	nd	nd	nd	nd	-1	58	nd	nd	nd	nd
774	9917	8290	40	15	156	-0.1	5	-1	19	19	50	nd	59300	1210	116	nd	+1000	nd	-1	51	nd	219	189	-1
775	9918	8291	27	12	119	-0.1	4	-1	-10	15	35	nd	41400	710	99	nd	920	nd	-1	40	nd	192	207	-1
776	9920	8292	64	6	108	-0.1	8	-1	-10	17	109	nd	43100	362	134	nd	884	nd	-1	172	nd	181	408	-1
777	9921	8293	29	9	93	-0.1	4	-1	-10	12	34	nd	34000	611	86	nd	842	nd	-1	35	nd	158	346	-1
778	9922	8294	32	8	96	-0.1	4	-1	-10	13	37	nd	35200	591	92	nd	860	nd	-1	34	nd	163	457	-1
779	9923	8295	30	8	84	-0.1	5	-1	-10	10	37	nd	29000	480	119	nd	816	nd	-1	36	nd	146	583	-1
780	9766	8171	22	7	50	-0.1	3	-1	-10	9	37	nd	19700	473	59	nd	532	nd	2	26	nd	84	334	-1
781	9765	8170	30	10	73	-0.1	3	-1	-10	18	172	nd	27500	579	62	nd	563	nd	4	240	nd	93	346	-1
782	9764	8169	26	9	59	0.2	5	-1	-10	10	38	nd	23000	520	108	nd	645	nd	1	29	nd	118	356	-1
783	9764d	8169d	32	8	86	-0.1	3	-1	-10	11	31	nd	29700	570	112	nd	627	nd	-1	28	nd	107	379	-1
784	9762	8168	21	14	107	0.2	5	-1	29	12	48	nd	34600	561	85	nd	+1000	nd	-1	40	nd	169	188	-1
785	9761	8167	18	12	120	-0.1	3	-1	17	15	48	nd	45200	589	98	nd	680	nd	-1	49	nd	122	176	-1
786	9760	8166	30	8	76	-0.1	4	-1	17	11	38	nd	30500	552	73	nd	677	nd	-1	30	nd	122	305	-1
787	9759	8165	25	3	31	-0.1	4	-1	-10	6	21	nd	13200	332	36	nd	317	nd	-1	21	nd	68	309	-1
788	9756	8163	29	10	83	-0.1	4	-1	20	12	38	nd	33000	466	91	nd	663	nd	-1	32	nd	131	314	-1
789	9757	8162	19	3	20	0.2	4	-1	-10	4	13	nd	10100	268	21	nd	212	nd	-1	24	nd	45	262	-1
790	9753	8161	18	2	16	-0.1	4	-1	-10	15	51	nd	37800	568	77	nd	516	nd	-1	29	nd	119	365	-1
791	9752	8160	16	3	15	-0.1	4	-1	-10	4	12	nd	8410	268	17	nd	190	nd	-1	21	nd	46	318	-1
792	9751	8159	20	2	33	-0.1	3	-1	-10	3	12	nd	7170	225	15	nd	184	nd	-1	23	nd	42	269	-1
793	9751d	8159d	21	3	35	-0.1	3	-1	-10	6	19	nd	13400	293	27	nd	356	nd	-1	30	nd	73	282	-1
794	9750	8158	40	6	22	0.1	3	10	68	8	17	nd	14400	324	36	nd	356	nd	-1	25	nd	74	477	-1
795	9749	8172	113	8	11	0.2	4	-1	-10	7	25	nd	12900	490	36	nd	421	nd	2	30	nd	65	+1000	-1
796	9772	8175	44	10	38	-0.1	3	-1	-10	10	28	nd	14800	590	51	nd	426	nd	1	28	nd	88	740	-1
797	9773	8176	37	16	59	-0.1	4	-1	34	9	31	nd	16300	498	67	nd	654	nd	1	29	nd	110	567	-1
798	9775	8177	39	10	44	-0.1	4	-1	31	8	28	nd	17100	483	58	nd	780	nd	2	29	nd	82	761	-1
799	9776	8178	36	11	80	-0.1	3	-1	-10	14	62	nd	16700	539	54	nd	639	nd	1	28	nd	114	469	-1
800	9778	8180	43	12	128	-0.1	4	-1	-10	15	82	nd	29200	392	95	nd	629	nd	2	33	nd	133	413	-1
801	9777d	8179d	38	9	54	0.2	3	-1	22	11	42	nd	45200	435	115	nd	816	nd	-1	84	nd	94	502	-1
802	9779	8181	47	8	97	-0.1	4	-1	17	11	34	nd	21300	511	59	nd	556	nd	2	30	nd	nd	nd	nd
803	9781	8182	42	6	65	-0.1	4	-1	-10	12	34	nd	30600	598	43	nd	nd	nd	-1	24	nd	88	725	-1
804	9782	8183	39	7	117	-0.1	4	-1	-10	10	28	nd	26700	473	58	nd	512	nd	-1	24	nd	182	504	-1
805	9783	8184	42	10	90	-0.1	2	-1	-10	14	55	nd	43200	359	121	nd	917	nd	-1	30	nd	107	535	-1
806	9785	8185	35	11	148	-0.1	3	-1	-10	16	43	nd	39300	647	117	nd	777	nd	-1	34	nd	160	337	-1
807	9787	8187	46	8	80	-0.1	3	-1	-10	13	41	nd	50300	683	103	nd	970	nd	-1	41	nd	104	369	-1
808	9786	8186	46	7	80	-0.1	2	-1	-10	12	34	nd	34000	634	97	nd	552	nd	-1	37	nd	52	369	-1
809	9789	8188	47	9	87	-0.1	3	-1	-10	18	61	nd	34800	552	43	nd	548	nd	-1	27	nd	112	412	-1
810	9790	8189	47	5	90	-0.1	3	-1	-10	14	42	nd	4000	641	83	nd	378	nd	-1	45	nd	125	385	-1
811	10090	10090	22	5	67	-0.1	2	-1	-10	19	27	nd	40600	554	77	nd	597	nd	-1	32	nd	nd	nd	nd
812	10091	10091	21	5	63	-0.1	1	-1	-10	10	26	nd	41800	1870	nd	80	nd	290	1	23	nd	nd	nd	nd
813	10092	10092	16	4	59	-0.1	1	-1	-10	13	22	nd	35300	1640	nd	75	nd	210	-1	23	nd	nd	nd	nd
814	10093	10093	18	6	53	-0.1	2	-1	-10	-10	21	nd	23000	500	nd	70	nd	360	1	19	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Hg	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
811	13693	10093	20	7	55	-0.1	2	-1	-10	10	21	nd	28800	550	nd	75	nd	270	-1	22	nd	nd	nd	nd
812	13806	10190	20	6	57	-0.1	1	-1	-10	11	24	nd	32900	713	nd	70	nd	290	1	23	nd	nd	nd	nd
813	13806d	10190d	22	7	59	-0.1	2	-1	-10	11	24	nd	33900	731	nd	nd	nd	nd	-1	22	nd	nd	nd	nd
814	13804	10188	10	6	47	-0.1	1	-1	-10	-10	19	nd	28300	482	nd	65	nd	220	-1	21	nd	nd	nd	nd
815	13803	10188	23	7	57	-0.1	1	-1	-10	14	24	nd	39000	914	nd	90	nd	270	-1	22	nd	nd	nd	nd
816	13802	10187	16	9	57	-0.1	1	-1	-10	11	20	nd	34400	628	nd	85	nd	200	-1	22	nd	nd	nd	nd
817	13694	10094	19	7	69	-0.1	2	-1	-10	-10	20	nd	25100	580	nd	45	nd	230	-1	17	nd	nd	nd	nd
818	13807	10191	45	8	110	-0.1	2	-1	-10	20	33	nd	44000	1640	nd	70	nd	430	-1	29	nd	nd	nd	nd
819	13808	10192	13	6	57	-0.1	1	-1	-10	11	19	nd	30700	732	nd	80	nd	360	-1	23	nd	nd	nd	nd
820	13809	10193	71	7	81	-0.1	1	-1	-10	-10	19	nd	30900	597	nd	65	nd	280	1	24	nd	nd	nd	nd
821	13811	10194	28	17	89	-0.1	1	-1	-10	17	29	nd	43300	1190	nd	75	nd	410	1	29	nd	nd	nd	nd
822	13812	10195	25	11	103	-0.1	2	-1	-10	16	29	nd	43500	817	nd	80	nd	410	-1	29	nd	nd	nd	nd
823	13772d	10160	11	7	57	-0.1	3	-1	-10	10	19	nd	26300	573	nd	120	nd	340	-1	20	nd	nd	nd	nd
824	13772d	10160d	14	6	57	-0.1	3	-1	-10	10	20	nd	26700	593	nd	80	nd	nd	-1	20	nd	nd	nd	nd
825	13774	10161	37	26	213	-0.1	8	-1	38	15	39	nd	34200	505	nd	80	nd	1500	1	24	nd	nd	nd	nd
826	13901	10263	23	17	139	-0.1	4	-1	20	21	50	nd	25800	724	nd	70	nd	1110	2	20	nd	nd	nd	nd
827	13900	10262	38	15	109	-0.1	3	-1	16	41	39	nd	32100	1280	nd	80	nd	440	1	25	nd	nd	nd	nd
828	13899	10260	35	19	170	-0.1	9	-1	30	12	42	nd	32000	358	nd	90	nd	2200	1	25	nd	nd	nd	nd
829	13899d	10260d	37	16	161	-0.1	9	-1	26	13	44	nd	31800	351	nd	70	nd	nd	1	24	nd	nd	nd	nd
830	13897	10259	24	31	101	-0.1	6	-1	14	-10	33	nd	20800	234	nd	100	nd	1420	1	16	nd	nd	nd	nd
831	13896	10258	38	16	156	-0.2	9	-1	27	12	44	nd	29100	306	nd	140	nd	2320	2	21	nd	nd	nd	nd
832	13895	10257	40	16	96	-0.1	3	-1	26	16	44	nd	37600	474	nd	65	nd	750	-2	27	nd	nd	nd	nd
833	13894	10256	22	14	87	-0.1	4	-1	-10	12	31	nd	31100	482	nd	105	nd	780	-1	22	nd	nd	nd	nd
834	13696	10095	49	10	182	-0.2	5	-1	-10	16	56	nd	38200	581	nd	105	nd	1500	1	21	nd	nd	nd	nd
835	13697	10096	38	17	137	-0.1	4	-1	14	16	41	nd	38500	701	nd	75	nd	850	1	27	nd	nd	nd	nd
836	13697	10097	43	10	117	-0.2	4	-1	11	16	42	nd	33700	702	nd	65	nd	850	-1	26	nd	nd	nd	nd
837	13888	10252	31	9	94	-0.2	2	-1	-10	13	29	nd	34700	612	nd	65	nd	1180	1	24	nd	nd	nd	nd
838	13889	10253	36	15	107	-0.3	3	-1	-10	15	59	nd	32800	508	nd	110	nd	1180	1	24	nd	nd	nd	nd
839	13891	10254	41	13	173	-0.4	7	-1	-10	15	59	nd	34200	440	nd	90	nd	1480	2	20	nd	nd	nd	nd
840	13892	10255	36	13	135	-0.4	6	-1	-10	13	48	nd	30700	269	nd	125	nd	1520	1	19	nd	nd	nd	nd
841	13876	10243	39	15	106	-0.2	5	-1	-10	13	42	nd	30900	561	nd	90	nd	1000	1	31	nd	nd	nd	nd
842	13875	10242	32	12	69	-0.2	3	-1	-10	11	32	nd	23900	599	nd	55	nd	550	1	22	nd	nd	nd	nd
843	13877	10244	36	11	79	-0.2	3	-1	-10	12	30	nd	28600	672	nd	60	nd	660	2	21	nd	nd	nd	nd
844	13879	10245	35	13	88	-0.2	3	-1	-10	12	33	nd	25700	620	nd	65	nd	780	1	21	nd	nd	nd	nd
845	13880	10246	27	11	69	-0.2	3	-1	-10	-10	28	nd	21600	526	nd	55	nd	570	1	18	nd	nd	nd	nd
846	13882	10247	24	12	115	-0.2	3	-1	-10	13	30	nd	29300	705	nd	80	nd	680	-1	29	nd	nd	nd	nd
847	13883	10248	22	11	91	-0.1	2	-1	-10	12	28	nd	35800	638	nd	70	nd	530	2	27	nd	nd	nd	nd
848	13885	10249	21	15	66	-0.1	3	-1	-10	11	31	nd	25900	540	nd	65	nd	430	1	32	nd	nd	nd	nd
849	13886	10250	36	11	67	-0.1	3	-1	-10	11	30	nd	27600	585	nd	70	nd	510	1	24	nd	nd	nd	nd
850	13886d	10250d	31	11	68	-0.1	3	-1	-10	12	30	nd	28400	592	nd	nd	nd	nd	1	26	nd	nd	nd	nd
851	13887	10251	29	9	60	-0.1	2	-1	-10	10	28	nd	24200	518	nd	70	nd	410	1	19	nd	nd	nd	nd
852	13677d	10078d	40	15	115	-0.1	4	-1	19	18	38	nd	31700	748	nd	45	nd	720	1	18	nd	nd	nd	nd
853	13676	10077	40	14	104	-0.2	4	-1	21	17	35	nd	28600	733	nd	60	nd	710	1	18	nd	nd	nd	nd
854	13674	10076	nd	13	nd	-0.1	2	-1	-10	nd	nd	nd	nd	nd	nd	60	nd	960	nd	32	nd	nd	nd	nd
855	13672	10074	46	21	239	-0.1	4	-1	19	41	71	nd	50300	1270	nd	65	nd	960	3	32	nd	nd	nd	nd
856	13673	10075	32	13	82	-0.1	3	-1	-10	12	31	nd	30000	550	nd	65	nd	710	1	22	nd	nd	nd	nd
857	13671	10073	38	22	241	-0.1	4	-1	26	42	67	nd	48400	1370	nd	70	nd	960	3	26	nd	nd	nd	nd
858	13670	10072	46	15	248	-0.3	5	-1	10	19	65	nd	40000	1360	nd	85	nd	1040	2	25	nd	nd	nd	nd
859	13668	10070	50	20	199	-0.2	6	-1	15	19	63	nd	41700	684	nd	65	nd	1500	3	33	nd	nd	nd	nd
860	13669	10071	29	15	119	-0.1	3	-1	19	13	35	nd	32700	422	nd	75	nd	1040	1	24	nd	nd	nd	nd
861	13667	10069	50	24	258	-0.1	4	-1	30	46	78	nd	61400	1350	nd	75	nd	760	2	35	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Bn	Ba*	Cd	Cr	Cr*	V	Sr	Ue
862	13665	10068	39	23	165	-0.1	3	-1	40	24	35	nd	51600	784	nd	80	nd	420	-1	30	nd	nd	nd	nd
862	13665d	10068d	41	22	170	-0.1	3	-1	21	25	37	nd	60100	809	nd	80	nd	nd	nd	30	nd	nd	nd	nd
863	13663	10066	39	16	144	-0.1	3	-1	12	23	33	nd	60100	980	nd	65	nd	570	-1	30	nd	nd	nd	nd
864	13664	10067	48	19	176	0.1	3	-1	18	27	40	nd	73700	1190	nd	80	nd	710	-1	49	nd	nd	nd	nd
865	13654	10058	19	11	105	-0.1	2	-1	-10	16	29	nd	46800	1020	nd	115	nd	570	1	41	nd	nd	nd	nd
865	13654d	10058d	21	11	110	-0.1	2	-1	-10	17	30	nd	49400	1080	nd	95	nd	570	1	42	nd	nd	nd	nd
866	13660	10063	28	15	132	-0.1	2	-1	-10	21	35	nd	52300	1070	nd	95	nd	530	1	40	nd	nd	nd	nd
867	13656	10060	46	15	165	-0.1	5	-1	-10	21	57	nd	46500	876	nd	95	nd	530	1	40	nd	nd	nd	nd
868	13662	10065	47	16	175	0.2	5	-1	-10	21	62	nd	47800	843	nd	105	nd	1290	2	24	nd	nd	nd	nd
869	13661	10064	53	14	703	0.1	5	-1	20	11	145	nd	37100	1030	nd	100	nd	1290	2	24	nd	nd	nd	nd
870	13903	10264	74	33	305	0.2	4	-1	23	44	171	nd	37100	1060	nd	115	nd	1080	5	21	nd	nd	nd	nd
871	13904	10265	24	17	158	-0.1	3	-1	11	23	64	nd	29100	988	nd	105	nd	1140	5	21	nd	nd	nd	nd
872	13905	10266	17	6	56	-0.1	3	-1	-10	10	28	nd	20800	714	nd	75	nd	950	2	15	nd	nd	nd	nd
873	13906	10267	18	8	69	-0.1	3	-1	-10	10	34	nd	20800	670	nd	65	nd	1140	1	15	nd	nd	nd	nd
874	13908	10268	37	17	141	0.1	4	-1	-10	18	57	nd	37100	1030	nd	100	nd	950	1	13	nd	nd	nd	nd
875	13909	10269	31	14	121	-0.1	4	-1	-10	18	57	nd	37100	1030	nd	100	nd	1550	2	25	nd	nd	nd	nd
876	13910	10270	19	11	78	-0.1	3	-1	-10	11	34	nd	31000	820	nd	105	nd	1190	1	20	nd	nd	nd	nd
876	13910d	10270d	21	11	78	-0.1	3	-1	-10	11	34	nd	31000	820	nd	105	nd	840	1	14	nd	nd	nd	nd
877	13754	10144	19	9	65	-0.1	2	-1	-10	12	34	nd	21500	522	nd	nd	nd	nd	-1	14	nd	nd	nd	nd
878	13753	10143	19	10	79	-0.1	3	-1	-10	12	25	nd	23400	825	nd	65	nd	330	-1	15	nd	nd	nd	nd
879	13721	10116	19	8	71	-0.1	3	-1	-10	12	26	nd	28800	639	nd	65	nd	360	-1	19	nd	nd	nd	nd
880	13720	10115	63	18	105	0.2	3	-1	26	17	32	nd	26200	587	nd	80	nd	430	1	19	nd	nd	nd	nd
881	13719	10114	14	5	50	-0.1	2	-1	-10	10	21	nd	36900	1160	nd	70	nd	790	1	30	nd	nd	nd	nd
882	13718	10114	24	8	93	-0.1	2	-1	-10	10	21	nd	18600	557	nd	70	nd	920	-1	14	nd	nd	nd	nd
883	13716d	10111d	18	5	72	-0.1	2	-1	-10	17	29	nd	31900	876	nd	85	nd	630	1	27	nd	nd	nd	nd
884	13717	10112	25	6	74	-0.1	2	-1	-10	16	27	nd	25100	657	nd	nd	nd	330	1	21	nd	nd	nd	nd
885	13714	10110	15	4	91	-0.1	2	-1	-10	13	27	nd	32200	790	nd	115	nd	590	-1	25	nd	nd	nd	nd
886	13712	10108	19	16	104	-0.1	2	-1	-10	10	33	nd	32600	942	nd	80	nd	500	-1	26	nd	nd	nd	nd
887a	13713	10109	28	20	174	-0.1	3	-1	19	13	38	nd	29200	519	nd	100	nd	1220	1	24	nd	nd	nd	nd
887b	13707	10104	19	6	70	-0.1	2	-1	16	18	27	nd	32300	630	nd	115	nd	1730	-1	28	nd	nd	nd	nd
889	13710	10107	19	6	78	-0.1	2	-1	15	26	34	nd	29200	736	nd	95	nd	280	-1	21	nd	nd	nd	nd
889	13709	10106	20	7	68	-0.1	2	-1	17	24	31	nd	35600	913	nd	90	nd	350	-1	26	nd	nd	nd	nd
890	13708	10105	29	18	147	-0.1	3	-1	65	15	26	nd	28400	752	nd	100	nd	280	-1	21	nd	nd	nd	nd
891	13705	10103	22	16	102	-0.1	3	-1	13	33	39	nd	39800	786	nd	130	nd	700	1	28	nd	nd	nd	nd
892	13703	10101	34	10	108	-0.1	2	-1	17	20	41	nd	391	1090	nd	105	nd	350	-1	30	nd	nd	nd	nd
893	13702	10100	21	7	58	-0.1	2	-1	-10	21	26	nd	40400	1150	nd	100	nd	460	1	31	nd	nd	nd	nd
894	13702d	10100d	25	7	67	-0.1	2	-1	12	22	29	nd	28000	639	nd	85	nd	300	1	25	nd	nd	nd	nd
895	13704	10102	21	10	84	-0.1	2	-1	14	16	26	nd	31100	705	nd	nd	nd	430	-1	30	nd	nd	nd	nd
896	13700	10099	31	8	72	-0.1	2	-1	24	20	28	nd	41400	840	nd	90	nd	370	-1	28	nd	nd	nd	nd
897	13915	10098	36	9	94	-0.1	3	-1	37	18	31	nd	46500	603	nd	95	nd	600	-1	36	nd	nd	nd	nd
898	13914	10275	14	11	68	-0.1	2	-1	-10	13	24	nd	46500	603	nd	95	nd	600	-1	36	nd	nd	nd	nd
899	13913	10274	34	15	80	-0.1	2	-1	23	14	30	nd	24800	368	nd	75	nd	580	1	18	nd	nd	nd	nd
900	13912	10273	22	14	72	-0.1	2	-1	30	10	22	nd	33000	677	nd	110	nd	600	1	26	nd	nd	nd	nd
901	13911	10272	12	10	47	-0.1	2	-1	30	10	22	nd	28000	555	nd	100	nd	590	-1	20	nd	nd	nd	nd
902	13911	10271	28	18	82	-0.1	2	-1	26	31	32	nd	20200	464	nd	90	nd	470	-1	21	nd	nd	nd	nd
903	13857	10233	13	9	49	-0.1	1	-1	-10	10	17	nd	48400	2380	nd	95	nd	600	1	33	nd	nd	nd	nd
904	13794	10179	8	10	53	-0.1	2	-1	-10	13	24	nd	25700	704	nd	80	nd	480	-1	20	nd	nd	nd	nd
905	13799	10184	7	11	61	-0.1	2	-1	-10	10	15	nd	22800	1020	nd	100	nd	530	-1	25	nd	nd	nd	nd
906	13798	10183	10	10	49	-0.1	2	-1	-10	10	14	nd	25000	463	nd	40	nd	740	-1	12	nd	nd	nd	nd
907	13780	10166	16	4	55	-0.1	3	-1	-10	10	16	nd	25400	705	nd	65	nd	610	-1	14	nd	nd	nd	nd
908	13781	10167	35	14	91	-0.1	3	-1	-10	10	19	nd	28100	687	nd	125	nd	420	-1	20	nd	nd	nd	nd
909	13782	10168	25	9	81	-0.1	3	-1	-10	19	27	nd	43200	781	nd	110	nd	730	-1	34	nd	nd	nd	nd
910	13783	10169	42	10	98	-0.1	4	-1	-10	17	29	nd	42200	945	nd	120	nd	620	-1	30	nd	nd	nd	nd
911	13784	10170	16	7	39	-0.1	3	-1	-10	16	39	nd	22900	945	nd	65	nd	370	-1	23	nd	nd	nd	nd
										-10	17	nd	17800	437	nd	105	nd	260	-1	15	nd	nd	nd	nd

Hsp number	Field number	Lab number	Cu	Pb	Zn	Ag	Hg	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
911	13784d	10170d	15	7	61	-0.1	2	-1	-10	-10	24	nd	19800	487	nd	nd	nd	nd	1	22	nd	nd	nd	nd
913	10172	10172	13	7	46	-0.1	2	-1	-10	-10	22	nd	22200	483	nd	105	nd	nd	1	22	nd	nd	nd	nd
914	13796	10181	33	7	74	-0.1	5	3	-10	-10	26	nd	32800	115	nd	85	nd	1580	-1	29	nd	nd	nd	nd
915	13797	10182	37	8	118	-0.1	4	2	-10	21	37	nd	35400	626	nd	95	nd	1420	1	29	nd	nd	nd	nd
916	13786	10171	28	11	95	-0.1	2	-1	-10	13	32	nd	26100	554	nd	85	nd	770	1	27	nd	nd	nd	nd
917	13788	10173	24	9	74	-0.1	2	-1	-10	14	30	nd	32200	804	nd	140	nd	440	1	27	nd	nd	nd	nd
918	13789	10174	25	11	72	-0.1	2	-1	-10	13	30	nd	30700	681	nd	85	nd	410	1	28	nd	nd	nd	nd
919	13793	10178	33	9	88	-0.1	2	-1	-10	33	34	nd	33400	466	nd	90	nd	840	1	26	nd	nd	nd	nd
920	13792	10177	90	10	78	-0.1	2	-1	-10	15	66	nd	44100	148	nd	75	nd	620	1	24	nd	nd	nd	nd
921	13795	10180	45	10	112	-0.1	2	1	14	26	55	nd	45200	1110	nd	135	nd	510	1	41	nd	nd	nd	nd
921	13795d	10180d	44	9	107	-0.1	2	2	12	27	56	nd	43900	1080	nd	nd	nd	nd	2	39	nd	nd	nd	nd
922	13868	10240	63	11	110	0.3	4	-1	10	26	51	nd	55400	433	nd	110	nd	490	1	34	nd	nd	nd	nd
922	13868d	10240d	61	11	90	0.2	3	-1	-10	25	47	nd	48600	341	nd	nd	nd	nd	1	26	nd	nd	nd	nd
923	13869	10241	92	23	360	0.4	4	-1	39	210	352	nd	63300	8050	nd	100	nd	760	9	62	nd	nd	nd	nd
924	13916	10276	17	6	54	-0.1	2	-1	-10	-10	22	nd	27500	258	nd	85	nd	410	1	23	nd	nd	nd	nd
925	13917	10277	26	11	129	-0.1	3	-1	-10	32	39	nd	56500	695	nd	100	nd	580	1	33	nd	nd	nd	nd
926	13918	10278	10	7	65	-0.1	2	-1	-10	12	22	nd	28200	397	nd	80	nd	530	-1	28	nd	nd	nd	nd
927	13919	10279	17	10	123	-0.1	2	-1	-10	56	47	nd	42700	2660	nd	80	nd	650	2	29	nd	nd	nd	nd
928	13947	10284	20	7	149	-0.1	2	-1	-10	64	53	nd	40000	2880	nd	95	nd	510	1	25	nd	nd	nd	nd
929	13863	10236	27	5	75	-0.1	2	-1	-10	18	28	nd	45800	819	nd	60	nd	410	1	42	nd	nd	nd	nd
930	13864	10237	22	8	80	0.1	2	-1	-10	17	40	nd	34300	693	nd	70	nd	370	-1	42	nd	nd	nd	nd
931	13865	10238	33	12	91	0.2	2	5	21	37	36	nd	40600	1040	nd	105	nd	410	1	27	nd	nd	nd	nd
932	13866	10239	38	13	111	0.2	3	4	26	20	33	nd	40900	619	nd	110	nd	520	1	25	nd	nd	nd	nd
933	13924	10282	42	12	188	-0.1	2	-1	10	79	71	nd	39600	1650	nd	100	nd	450	2	34	nd	nd	nd	nd
934	13921	10280	30	23	102	-0.1	3	-1	15	21	42	nd	40400	636	nd	85	nd	460	1	42	nd	nd	nd	nd
934	13921d	10280d	28	16	106	-0.1	3	-1	12	21	37	nd	42200	648	nd	nd	nd	nd	1	33	nd	nd	nd	nd
935	13922	10281	70	13	731	-0.1	3	-1	27	230	380	nd	45300	8140	nd	105	nd	820	12	36	nd	nd	nd	nd
936	13925	10283	41	13	388	-0.1	2	-1	25	118	202	nd	39200	4230	nd	120	nd	760	5	30	nd	nd	nd	nd
937	13926	10284	37	11	204	0.1	2	-1	25	97	97	nd	37600	2410	nd	120	nd	540	2	25	nd	nd	nd	nd
938a	13939	10216	24	9	111	0.1	2	-1	-10	14	35	nd	38100	274	nd	105	nd	840	1	33	nd	nd	nd	nd
938b	13838	10215	24	14	325	0.2	2	-1	25	48	59	nd	48500	2890	nd	90	nd	1000	3	31	nd	nd	nd	nd
939	13840	10217	12	4	69	0.2	1	-1	-10	-10	25	nd	24500	170	nd	100	nd	610	-1	22	nd	nd	nd	nd
940	13841	10218	50	12	138	0.2	3	-1	11	81	46	nd	48700	1490	nd	95	nd	820	1	38	nd	nd	nd	nd
941	13842	10219	34	11	150	0.1	2	-1	-10	33	46	nd	40300	696	nd	115	nd	980	2	35	nd	nd	nd	nd
942	13928	10285	45	8	121	0.1	2	-1	-10	18	47	nd	46200	329	nd	115	nd	860	1	38	nd	nd	nd	nd
943	13929	10286	59	43	125	0.4	4	-1	14	29	59	nd	50300	421	nd	115	nd	980	1	50	nd	nd	nd	nd
944	13930	10287	51	11	129	0.2	3	-1	-10	42	49	nd	42900	676	nd	90	nd	840	1	51	nd	nd	nd	nd
945	13843	10220	48	7	85	0.3	2	-1	-10	21	43	nd	33000	333	nd	75	nd	600	1	29	nd	nd	nd	nd
945	13843d	10220d	46	6	83	0.3	2	-1	-10	20	41	nd	31800	313	nd	nd	nd	nd	1	29	nd	nd	nd	nd
946	13844	10221	32	9	125	0.1	2	-1	-10	19	38	nd	40800	338	nd	105	nd	1040	1	34	nd	nd	nd	nd
947	13845	10222	19	7	73	-0.1	2	-1	-10	14	26	nd	25400	379	nd	115	nd	280	-1	22	nd	nd	nd	nd
948	13846	10223	34	10	133	-0.1	2	-1	-10	27	45	nd	41300	634	nd	115	nd	840	1	37	nd	nd	nd	nd
949	13848	10225	20	7	136	-0.1	1	2	210	27	36	nd	32000	803	nd	70	nd	480	1	28	nd	nd	nd	nd
949	13848d	10225d	nd	nd	nd	nd	1	3	214	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
950	13850	10226	23	10	118	-0.1	2	-1	-10	25	40	nd	37800	719	nd	95	nd	720	1	33	nd	nd	nd	nd
951	13852	10228	57	10	164	-0.1	3	-1	-10	47	77	nd	37500	842	nd	70	nd	840	3	44	nd	nd	nd	nd
952	13851	10227	30	9	142	-0.1	2	-1	-10	33	49	nd	39200	951	nd	105	nd	650	2	33	nd	nd	nd	nd
953	13790	10175	23	9	62	0.1	5	-1	-10	10	19	nd	30300	116	nd	125	nd	1870	1	20	nd	nd	nd	nd
954	13791	10176	11	8	57	-0.1	3	2	-10	-10	18	nd	23700	144	nd	115	nd	1310	1	20	nd	nd	nd	nd
955	13853	10229	16	7	58	0.1	3	-1	-10	-10	16	nd	25700	159	nd	100	nd	1280	-1	17	nd	nd	nd	nd
956	13854	10230	24	9	101	0.2	2	-1	-10	17	32	nd	30900	445	nd	85	nd	1050	1	23	nd	nd	nd	nd
956	13854d	10230d	21	9	107	0.2	3	-1	-10	17	34	nd	32800	459	nd	nd	nd	nd	1	26	nd	nd	nd	nd
957	13855	10231	13	7	57	0.1	2	-1	-10	13	22	nd	20800	415	nd	60	nd	750	1	17	nd	nd	nd	nd
958	13931	10288	87	12	169	0.2	5	-1	-10	39	54	nd	47100	582	nd	60	nd	1180	2	32	nd	nd	nd	nd
959	13932	10289	44	13	105	0.1	6	-1	-10	-10	20	nd	62600	245	nd	105	nd	1410	-1	24	nd	nd	nd	nd
960	13933	10290	39	14	153	0.1	5	-1	-10	17	28	nd	91300	457	nd	80	nd	1110	3	30	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	Bt	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
960	13933d	10290d	38	19	154	0.1	5	-1	-10	17	31	nd	90800	469	nd	nd	nd	nd	3	39	nd	nd	nd	nd
961	13836	10214	41	12	96	0.3	4	-1	-10	-10	20	nd	63100	213	nd	100	nd	1220	-1	39	nd	nd	nd	nd
962	13835	10213	16	17	69	0.2	3	-1	10	-10	20	nd	25200	341	nd	70	nd	710	-1	18	nd	nd	nd	nd
963	13834	10212	31	17	94	0.2	3	-1	29	10	28	nd	26300	480	nd	75	nd	900	1	24	nd	nd	nd	nd
964	13832	10210	70	23	232	0.4	3	-1	54	14	42	nd	33200	458	nd	65	nd	950	3	43	nd	nd	nd	nd
964	13832d	10210d	67	21	225	0.4	4	-1	46	13	40	nd	32200	436	nd	nd	nd	nd	3	41	nd	nd	nd	nd
965	13833	10211	37	15	97	0.1	3	-1	31	13	36	nd	29100	426	nd	90	nd	800	1	39	nd	nd	nd	nd
966	13830	10209	24	8	52	0.1	2	-1	12	-10	27	nd	17000	269	nd	75	nd	730	1	20	nd	nd	nd	nd
967	13825	10205	6	9	34	-0.1	2	-1	18	-10	10	nd	17300	213	nd	70	nd	800	-1	13	nd	nd	nd	nd
968	13827	10206	22	10	42	0.2	2	-1	14	-10	26	nd	15400	246	nd	65	nd	790	1	20	nd	nd	nd	nd
969	13828	10207	9	11	31	0.1	2	-1	23	-10	10	nd	14800	212	nd	45	nd	570	1	20	nd	nd	nd	nd
970	13829	10208	7	12	46	0.4	3	-1	23	-10	12	nd	17600	369	nd	55	nd	670	1	15	nd	nd	nd	nd
971	13824	10204	21	8	77	-0.1	2	-1	23	-10	12	nd	18800	244	nd	45	nd	570	1	19	nd	nd	nd	nd
972	13822	10203	20	14	65	-0.1	2	-1	-10	-10	26	nd	13800	209	nd	60	nd	1020	2	22	nd	nd	nd	nd
973	13821	10202	40	13	119	-0.1	3	-1	25	-12	43	nd	20400	258	nd	45	nd	1310	3	32	nd	nd	nd	nd
974	13820	10201	32	22	80	0.2	4	-1	42	-10	33	nd	21600	368	nd	65	nd	2020	2	22	nd	nd	nd	nd
975	13819	10200	33	16	82	0.1	3	-1	44	11	33	nd	22300	384	nd	45	nd	1280	2	24	nd	nd	nd	nd
975	13819d	10200d	33	15	82	0.1	3	-1	44	nd	60	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
976	13818	10199	58	23	147	0.4	6	-1	50	17	60	nd	28400	266	nd	55	nd	2430	3	46	nd	nd	nd	nd
977a	13768	10156	39	16	134	-0.1	5	-1	-10	17	54	nd	32400	357	nd	100	nd	1980	2	39	nd	nd	nd	nd
977b	13769	10157	79	25	206	-0.1	6	-1	98	21	96	nd	34600	244	nd	60	nd	2180	5	35	nd	nd	nd	nd
978	13770	10158	26	13	87	-0.1	4	-1	20	11	34	nd	21100	254	nd	90	nd	1710	1	25	nd	nd	nd	nd
979	13771	10159	32	9	79	-0.1	3	-1	11	12	30	nd	23500	300	nd	80	nd	830	2	21	nd	nd	nd	nd
980	13766	10121	25	19	130	-0.1	4	23	-10	12	32	nd	24300	333	nd	95	nd	600	1	35	nd	nd	nd	nd
981	13725	10120	29	9	87	-0.1	4	-1	20	15	43	nd	29900	432	nd	105	nd	890	1	45	nd	nd	nd	nd
981	13725d	10120d	29	9	89	-0.1	3	-1	11	15	43	nd	29800	427	nd	120	nd	nd	1	44	nd	nd	nd	nd
982	13731	10124	48	6	74	-0.1	3	-1	-10	-10	22	nd	27700	27	nd	90	nd	1010	-1	16	nd	nd	nd	nd
983	13734	10119	41	4	74	-0.1	3	-1	-10	-13	30	nd	25600	109	nd	80	nd	730	-1	16	nd	nd	nd	nd
984	13722	10117	38	10	88	-0.1	5	-1	33	15	42	nd	31100	485	nd	80	nd	890	-1	47	nd	nd	nd	nd
985	13548	9982	27	13	45	-0.1	5	-1	-10	10	18	nd	25900	296	nd	62	nd	350	-1	12	nd	nd	nd	nd
985	13723	10118	13	15	45	-0.1	4	-1	-10	10	13	nd	15200	411	nd	40	nd	610	-1	12	nd	nd	nd	nd
987	13549	9983	23	17	44	-0.1	5	-1	-10	-10	12	nd	18800	275	nd	60	nd	430	-1	12	nd	nd	nd	nd
988	13550	9984	27	16	54	-0.1	4	-1	-10	-13	21	nd	21900	341	nd	87	nd	400	-1	12	nd	nd	nd	nd
989	13580	10009	41	13	84	-0.1	3	-1	-10	15	43	nd	26400	371	nd	100	nd	1830	1	21	nd	nd	nd	nd
990	13583	10011	40	13	75	-0.1	5	-1	11	15	44	nd	21400	438	nd	65	nd	1760	2	19	nd	nd	nd	nd
991	13584	10012	40	15	76	0.2	4	-1	-10	18	41	nd	22500	431	nd	65	nd	1180	1	14	nd	nd	nd	nd
992	13586	10013	46	15	103	0.2	4	-1	13	30	63	nd	28400	655	nd	80	nd	1260	1	20	nd	nd	nd	nd
993	13587	10014	37	13	84	-0.1	4	-1	-10	21	45	nd	24900	463	nd	80	nd	920	1	16	nd	nd	nd	nd
994	13729	10123	28	6	106	-0.1	3	-1	-10	17	44	nd	21800	228	nd	85	nd	740	1	17	nd	nd	nd	nd
995	13728	10122	64	18	228	-0.1	4	49	-10	19	70	nd	36500	323	nd	100	nd	1170	1	30	nd	nd	nd	nd
996	13498	8604	40	23	112	0.2	3	-1	58	14	51	nd	25300	497	nd	373	nd	nd	-1	25	nd	nd	nd	nd
997	13499	8605	35	16	65	-0.1	4	-1	-10	11	20	nd	24000	441	nd	nd	nd	nd	-1	19	nd	nd	nd	nd
997	13499d	8605d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
998	13501	8607	39	17	163	-0.1	3	-1	25	15	53	nd	28800	503	nd	39	nd	97	nd	nd	nd	nd	nd	nd
999	13500	8606	32	11	168	-0.1	3	-1	-10	45	88	nd	27800	886	nd	73	nd	338	-1	26	nd	nd	nd	nd
1000	13502	8608	35	13	109	-0.1	4	-1	15	15	44	nd	30300	446	nd	94	nd	391	-1	37	nd	nd	nd	nd
1001	13504	8609	29	9	91	-0.1	3	-1	-10	14	32	nd	28200	444	nd	nd	nd	nd	-1	31	nd	nd	nd	nd
1001	13504d	8609d	30	9	97	nd	nd	nd	nd	15	35	nd	29900	475	nd	nd	nd	nd	-1	24	nd	nd	nd	nd
1002	13732	10125	52	10	85	-0.1	4	-1	-10	-10	29	nd	35300	146	nd	100	nd	970	-1	30	nd	nd	nd	nd
1003	13497	8603	30	8	68	-0.1	3	-1	16	12	26	nd	31700	592	nd	143	nd	nd	-1	21	nd	nd	nd	nd
1004	13495	8602	24	7	56	-0.1	3	-1	22	13	25	nd	30300	500	nd	114	nd	nd	-1	25	nd	nd	nd	nd
1005	13494	8601	40	7	82	-0.1	5	-1	37	18	41	nd	43400	514	nd	nd	nd	nd	-1	22	nd	nd	nd	nd
1006a	13861	10235	39	7	76	-0.1	2	-1	-10	19	37	nd	42900	682	nd	100	nd	480	-1	31	nd	nd	nd	nd
1006b	13860	10234	29	8	62	-0.1	2	-1	-10	15	31	nd	35100	580	nd	135	nd	nd	-1	34	nd	nd	nd	nd
1007	13651	10055	16	24	43	-0.1	5	10	-10	-10	20	nd	22400	489	nd	nd	nd	360	-1	29	nd	nd	nd	nd
1008	13652	10056	32	27	72	-0.1	4	7	24	12	23	nd	30100	649	nd	45	nd	470	-1	25	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mg	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	B ₀	Ba*	Cd	Cr	Cr*	V	Sr	Be
1009	13653	10057	47	34	112	-0.1	7	26	30	62	62	nd	38400	1200	nd	60	nd	490	-1	32	nd	nd	nd	nd
1010	13453	8569	17	9	62	-0.1	2	-1	22	11	20	nd	27700	381	114	nd	249	nd	nd	27	nd	97	70	nd
1011	13453d	8569d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	92	nd	242	nd	nd	28	nd	97	73	-1
1012	13456	8572	46	17	87	-0.1	3	-1	46	19	32	nd	32500	473	104	nd	256	nd	-1	28	nd	95	88	-1
1013	13454	8570	47	21	86	-0.1	3	-1	46	17	33	nd	38100	536	65	nd	255	nd	-1	33	nd	95	65	-1
1014	13455	8571	67	25	85	0.3	4	-1	66	-10	21	nd	47100	410	167	nd	319	nd	-1	33	nd	132	71	-1
1015	13455d	8571d	33	19	69	0.2	1	-1	nd	15	43	nd	35900	650	nd	nd	nd	nd	-1	41	nd	nd	nd	nd
1016	13458	8573	8	26	36	-0.1	5	-1	-10	-10	-10	nd	12200	394	43	nd	240	nd	-1	11	nd	51	64	-1
1017	13459	8574	29	20	55	-0.1	5	-1	65	13	22	nd	25800	404	93	nd	265	nd	-1	23	nd	96	61	-1
1018	13460	8575	9	24	43	-0.1	4	-1	22	-10	-10	nd	12800	358	63	nd	246	nd	-1	13	nd	59	53	-1
1019	13461	8576	15	20	71	-0.1	4	-1	30	-10	14	nd	20600	446	53	nd	247	nd	-1	20	nd	70	56	-1
1020	13462	8577	69	17	90	-0.1	4	-1	71	31	48	nd	46000	685	109	nd	247	nd	-1	39	nd	119	77	-1
1021	13463	8578	25	72	47	-0.1	4	-1	44	-10	15	nd	19500	435	116	nd	220	nd	-1	18	nd	69	64	-1
1022	13464	8579	32	17	71	-0.1	5	-1	54	17	24	nd	27100	568	65	nd	191	nd	-1	24	nd	77	46	-1
1023	13465	8580	37	9	70	-0.1	3	-1	59	20	42	nd	29100	605	98	nd	212	nd	-1	51	nd	65	57	-1
1024	13478	8589	36	11	69	-0.1	6	-1	nd	25	33	nd	32800	708	nd	nd	238	nd	-1	27	nd	92	79	-1
1025	13478d	8589d	39	nd	72	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	238	nd	-1	24	nd	92	79	-1
1026	13475	8587	36	10	59	-0.1	4	-1	43	17	31	nd	33100	571	99	nd	238	nd	-1	24	nd	92	79	-1
1027	13475d	8587d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	115	nd	231	nd	nd	nd	nd	82	68	-1
1028	13476	8588	57	13	91	-0.1	7	-1	34	70	62	nd	34000	1830	98	nd	276	nd	-1	30	nd	108	87	-1
1029	13476	8588	40	12	60	-0.1	5	-1	37	15	25	nd	36100	468	103	nd	282	nd	-1	30	nd	118	78	-1
1030	13473	8585	29	18	43	-0.1	4	-1	29	-10	15	nd	21800	551	75	nd	258	nd	-1	20	nd	85	90	-1
1031a	13471	8583	46	10	88	-0.1	4	-1	66	21	40	nd	50500	679	221	nd	303	nd	-1	35	nd	148	88	-1
1031b	13472	8584	35	20	48	-0.1	5	-1	49	15	21	nd	25600	558	82	nd	303	nd	-1	19	nd	77	50	-1
1032	13472	8584	35	20	48	-0.1	5	-1	49	15	21	nd	25600	558	82	nd	303	nd	-1	19	nd	77	50	-1
1033	13473	8585	24	9	85	-0.1	2	-1	27	20	26	nd	43700	983	114	nd	252	nd	-1	28	nd	121	76	-1
1034	13484	8593	37	9	87	-0.1	2	-1	16	25	35	nd	40700	983	114	nd	252	nd	-1	35	nd	121	76	-1
1035	13490	8598	26	5	60	-0.1	2	-1	15	13	25	nd	30500	720	107	nd	235	nd	-1	24	nd	111	91	-1
1036	13488	8597	33	4	73	-0.1	2	-1	16	16	31	nd	37900	706	90	nd	223	nd	-1	32	nd	98	83	-1
1037	13487	8596	28	4	65	-0.1	3	-1	13	13	25	nd	35500	769	112	nd	246	nd	-1	28	nd	111	96	-1
1038	13486	8595	44	9	85	-0.1	3	-1	43	19	42	nd	35500	606	126	nd	260	nd	-1	37	nd	106	95	-1
1039	13485	8594	40	14	70	-0.1	5	-1	95	-10	15	nd	49300	445	133	nd	282	nd	-1	26	nd	120	76	-1
1040	13492	8599	29	6	80	-0.1	1	-1	14	16	31	nd	36700	781	106	nd	215	nd	-1	25	nd	96	71	-1
1041	13492d	8599d	32	nd	86	nd	nd	nd	nd	15	31	nd	40800	956	nd	nd	nd	nd	-1	31	nd	nd	nd	nd
1042	13493	8600	23	8	71	-0.1	2	-1	-10	14	26	nd	33000	857	65	nd	96	nd	-1	24	nd	83	70	-1
1043	13733	10126	28	8	93	-0.1	1	-1	-10	16	26	nd	40200	919	nd	nd	96	nd	-1	25	nd	nd	nd	nd
1044	13630	10038	19	12	98	-0.1	3	-1	68	13	26	nd	38300	1780	nd	nd	96	nd	-1	25	nd	nd	nd	nd
1045	13630d	10038d	20	12	101	-0.1	3	-1	61	14	27	nd	39100	1840	nd	nd	96	nd	-1	26	nd	nd	nd	nd
1046	13631	10039	13	9	72	-0.1	2	-1	-10	13	21	nd	34300	1820	nd	nd	96	nd	-1	21	nd	nd	nd	nd
1047	13629	10037	14	10	61	-0.1	2	-1	-10	-10	18	nd	35900	1010	nd	nd	96	nd	-1	17	nd	nd	nd	nd
1048	13600	10025	29	18	96	-0.1	3	-1	-10	11	23	nd	29900	704	nd	nd	96	nd	-1	17	nd	nd	nd	nd
1049	13627	10036	12	10	51	-0.1	2	-1	-10	10	18	nd	18400	403	nd	nd	96	nd	-1	14	nd	nd	nd	nd
1050	13735	10128	6	7	46	-0.1	1	-1	-10	-10	-10	nd	19200	581	nd	nd	96	nd	-1	-10	nd	nd	nd	nd
1051	13737	10129	11	10	71	-0.1	2	-1	-10	11	18	nd	20800	783	nd	nd	96	nd	-1	23	nd	nd	nd	nd
1052	13575	10005	8	14	45	-0.1	2	-1	-10	-10	-10	nd	35900	387	44	nd	279	nd	-1	-10	nd	54	54	-1
1053	13576	10006	16	12	41	-0.1	2	-1	-10	-10	-10	nd	18500	495	49	nd	277	nd	-1	-10	nd	55	74	-1
1054	13578	10008	57	13	56	-0.1	3	-1	-10	-10	15	nd	31600	754	nd	nd	270	nd	-1	14	nd	nd	nd	nd
1055	13578d	10008d	54	14	50	-0.1	3	-1	-10	-10	14	nd	29900	722	nd	nd	270	nd	-1	13	nd	nd	nd	nd
1056	13577	10007	32	11	40	-0.1	3	-1	-10	-10	11	nd	18600	534	nd	nd	270	nd	-1	-10	nd	nd	nd	nd
1057	13581	10010	49	10	46	-0.1	3	-1	-10	-10	14	nd	28200	798	nd	nd	270	nd	-1	11	nd	nd	nd	nd
1058	9935	8304	46	6	76	-0.1	3	-1	-10	-10	15	nd	34400	810	85	nd	274	nd	-1	34	nd	100	569	-1
1059	9934	8303	45	6	56	-0.1	4	-1	-10	-10	15	nd	31200	948	76	nd	434	nd	-1	28	nd	91	401	-1

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mg	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
1057	9927	8298	19	11	66	-0.1	4	-1	-10	-10	14	nd	22200	580	69	nd	719	nd	-1	21	nd	81	466	-1
1058	9925	8296	34	8	97	-0.1	4	-1	-10	12	38	nd	33100	523	52	nd	933	nd	-1	33	nd	90	360	-1
1059	9926	8297	86	10	80	-0.1	5	-1	31	14	28	nd	37600	944	97	nd	704	nd	-1	28	nd	146	432	-1
1060	9930	8300	38	6	71	-0.1	3	-1	-10	20	58	nd	28800	3180	82	nd	704	nd	-1	41	nd	121	807	-1
1061	9929	8299	42	5	58	-0.1	2	-1	-10	12	33	nd	28900	670	78	nd	520	nd	-1	36	nd	104	809	-1
1061	9929d	8299d	39	7	52	-0.1	2	-1	-10	12	36	nd	28500	689	87	nd	515	nd	-1	34	nd	103	875	-1
1062	9931	8301	32	7	93	-0.1	3	-1	-10	15	42	nd	39600	701	73	nd	561	nd	-1	42	nd	105	940	-1
1063	9933	8302	42	9	67	-0.1	4	-1	42	15	38	nd	36000	695	103	nd	584	nd	-1	35	nd	120	980	-1
1064	13738	10130	71	19	106	-0.1	2	5	53	27	38	nd	45100	3860	nd	105	nd	nd	22	22	nd	nd	nd	nd
1064	13738d	10130d	70	19	105	-0.1	2	7	52	26	36	nd	44200	3820	nd	105	nd	nd	-1	21	nd	nd	nd	nd
1065	13739	10131	46	19	120	-0.1	4	1	40	21	35	nd	46200	902	nd	105	nd	570	1	18	nd	nd	nd	nd
1066	9548	7997	34	12	43	-0.1	4	1	10	13	25	nd	33500	845	74	nd	230	nd	-1	20	nd	70	1038	-1
1067a	9547	7996	36	12	50	-0.1	5	-1	-10	15	34	nd	33700	675	44	nd	243	nd	-1	37	nd	83	971	-1
1067b	9549	7998	27	12	51	-0.1	5	-1	-10	14	33	nd	39900	684	51	nd	197	nd	-1	33	nd	80	1012	-1
1068	9556	8003	31	10	48	-0.1	4	-1	-10	13	31	nd	41300	728	57	nd	193	nd	-1	38	nd	74	875	-1
1069	9557	8004	32	9	50	-0.1	3	-1	-10	15	30	nd	41300	777	41	nd	209	nd	-1	35	nd	84	1058	-1
1070	9555	8002	27	11	56	-0.1	2	-1	19	16	39	nd	42700	709	80	nd	182	nd	-1	47	nd	103	+1000	-1
1071	9553	8001	26	11	57	-0.1	3	-1	-10	15	38	nd	44300	772	41	nd	130	nd	-1	49	nd	66	+1000	-1
1072	9551	7999	32	10	48	-0.1	3	-1	37	15	29	nd	39400	909	35	nd	130	nd	-1	25	nd	45	+1000	-1
1072	9551d	7999d	31	9	46	-0.1	3	-1	36	14	28	nd	38200	886	nd	nd	nd	nd	-1	21	nd	nd	nd	nd
1073	9552	8000	36	11	62	-0.1	2	-1	-10	17	52	nd	48100	519	114	nd	303	nd	-1	71	nd	115	856	-1
1074	13436	8555	38	9	86	-0.1	2	-1	-10	18	42	nd	50700	448	142	nd	370	nd	nd	20	nd	127	264	-1
1075	13437	8556	32	10	66	-0.1	3	-1	33	17	41	nd	44600	586	115	nd	218	nd	nd	50	nd	93	302	-1
1076	13438	8557	28	8	52	-0.1	3	-1	26	14	32	nd	38100	572	120	nd	223	nd	nd	17	nd	74	314	-1
1077	13440	8558	30	10	62	-0.1	3	-1	27	14	34	nd	40500	522	143	nd	269	nd	nd	18	nd	93	322	-1
1078	13451	8568	43	10	74	-0.1	3	-1	25	11	23	nd	21600	667	82	nd	183	nd	-1	19	nd	67	326	-1
1079	13450	8567	43	3	60	-0.1	3	-1	-10	-10	14	nd	5660	991	10	nd	101	nd	-1	18	nd	18	39	-1
1080	13449	8566	31	11	71	-0.1	2	-1	23	13	23	nd	35600	1010	104	nd	270	nd	-1	28	nd	118	67	-1
1081	13447	8564	33	9	78	-0.1	5	-1	-10	16	36	nd	37900	866	97	nd	273	nd	-1	28	nd	116	326	-1
1082	13448	8565	193	10	62	0.1	7	-1	96	15	29	nd	29200	709	91	nd	286	nd	-1	25	nd	85	271	-1
1083	13445	8563	122	9	70	0.1	4	-1	78	13	28	nd	27700	665	60	nd	245	nd	-1	21	nd	72	255	-1
1084	13443	8561	28	5	65	-0.1	1	-1	-10	15	30	nd	33300	538	111	nd	251	nd	-1	20	nd	91	232	-1
1084	13443d	8561d	28	nd	66	-0.1	nd	nd	nd	15	30	nd	34200	554	112	nd	nd	nd	-1	17	nd	nd	nd	nd
1085	13442	8560	50	12	114	0.3	4	-1	29	15	39	nd	31900	566	112	nd	629	nd	-1	19	nd	129	267	-1
1086	13444	8562	184	12	66	0.1	6	-1	98	14	30	nd	31400	714	118	nd	324	nd	-1	27	nd	109	244	-1
1087	13740	10132	56	12	80	-0.1	3	-1	-10	14	23	nd	31400	833	nd	75	nd	270	nd	19	nd	nd	nd	nd
1088	9981	8343	60	10	91	0.1	2	-1	-10	17	29	nd	37700	1010	97	nd	612	nd	-1	28	nd	139	484	-1
1089	9980	8342	40	11	70	-0.1	3	-1	-10	15	nd	nd	33700	695	97	nd	957	nd	-1	33	nd	176	330	-1
1090	9979	8341	45	9	66	0.1	2	-1	-10	19	28	nd	43600	963	101	nd	602	nd	-1	27	nd	150	376	-1
1091	9977	8339	583	16	57	0.4	15	-1	nd	27	40	nd	33800	1110	81	nd	776	nd	-1	21	nd	124	534	-1
1091	9977d	8339d	616	18	62	0.4	15	-1	42	28	45	nd	36200	1200	nd	nd	nd	nd	-1	30	nd	nd	nd	nd
1092	9978	8340	22	16	90	-0.1	2	-1	-10	16	40	nd	37600	498	80	nd	559	nd	-1	74	nd	163	246	-1
1093	9975	8337	540	23	95	0.7	12	6	395	24	42	nd	43000	730	99	nd	+1000	nd	-1	21	nd	154	586	-1
1094	9976	8338	51	10	80	0.2	3	-1	88	23	50	nd	46200	1230	116	nd	552	nd	-1	28	nd	140	436	-1
1095	9971	8334	25	5	40	-0.1	9	-1	-10	-10	28	nd	13200	378	47	nd	679	nd	-1	34	nd	127	455	-1
1096	9972	8335	31	19	136	0.3	10	-1	-10	10	41	nd	13100	324	52	nd	+1000	nd	-1	28	nd	284	450	-1
1097	9973	8336	29	9	95	0.1	7	-1	-10	10	29	nd	18300	451	48	nd	502	nd	-1	28	nd	117	479	-1
1098	9586	8026	30	13	43	0.1	6	-1	-10	10	27	nd	25200	527	-10	nd	nd	nd	-1	36	nd	41	364	-1
1099	13751	10141	28	12	45	-0.1	6	-1	-10	-10	20	nd	18200	418	nd	35	nd	280	nd	21	nd	nd	nd	nd
1100	9588	8028	31	13	48	-0.1	4	-1	-10	10	28	nd	25800	582	-10	nd	108	nd	-1	39	nd	50	409	-1
1101	9587	8027	29	13	45	0.1	4	-1	-10	11	30	nd	25600	544	-10	nd	97	nd	-1	42	nd	49	378	-1
1102	13752	10142	26	11	45	-0.1	5	-1	-10	-10	21	nd	19100	436	nd	35	nd	280	nd	1	35	nd	nd	nd
1103	13750	10140	25	15	66	-0.1	5	-1	-10	10	28	nd	24400	595	nd	40	nd	410	nd	1	35	nd	nd	nd
1103	13750d	10140d	24	13	59	-0.1	5	-1	-10	10	26	nd	21800	549	nd	nd	nd	nd	-1	31	nd	nd	nd	nd
1104	13749	10139	13	8	138	-0.1	5	-1	-10	-10	15	nd	7530	245	nd	15	nd	140	nd	1	17	nd	nd	nd
1105	13748	10138	61	19	99	-0.1	5	-1	-10	19	54	nd	36600	579	nd	45	nd	960	nd	1	56	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	NI*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Be
1106	13747	10137	14	8	17	-0.1	6	-1	-10	-10	16	nd	7900	263	nd	10	nd	140	1	20	nd	nd	nd	nd
1107	9583	8024	26	13	68	0.1	3	-1	-10	-10	30	nd	33500	770	10	nd	380	nd	-1	41	nd	74	nd	nd
1108	13746	10136	36	13	101	-0.1	3	-1	-10	15	37	nd	38600	634	nd	70	nd	490	nd	35	nd	nd	nd	nd
1109	13745	10135	48	12	121	-0.1	4	-1	-10	17	45	nd	44200	625	nd	85	nd	700	1	39	nd	nd	nd	nd
1110	13744	10134	71	24	147	0.2	3	-1	-10	29	63	nd	58900	923	nd	70	nd	820	2	80	nd	100	406	nd
1111	9577	80139	40	14	85	0.1	5	-1	-10	17	56	nd	43100	736	23	nd	345	nd	-1	73	nd	nd	nd	nd
1111	9577d	8019d	38	15	81	0.1	4	-1	-10	12	50	nd	41200	702	nd	nd	nd	nd	-1	77	nd	nd	nd	nd
1112	9578	8020	33	16	88	0.2	6	-1	-10	10	42	nd	23800	534	-10	nd	365	nd	-1	49	nd	98	nd	nd
1113	9579	8021	32	15	55	0.1	5	-1	-10	13	44	nd	30000	903	-10	nd	270	nd	-1	62	nd	80	520	-1
1114	9581	8022	60	35	332	0.5	13	-1	33	15	102	nd	43900	353	56	nd	+1000	nd	-1	38	nd	555	128	-1
1115	9582	8023	28	13	23	0.1	6	-1	21	-10	24	nd	17400	329	-10	nd	68	nd	-1	32	nd	55	436	-1
1116	9584	8025	31	20	63	0.1	4	-1	-10	15	44	nd	32200	715	-10	nd	127	nd	1	61	nd	59	376	-1
1116	9584d	8025d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	-10	nd	155	nd	nd	nd	nd	67	365	-1
1117	13301	8448	51	11	72	-0.1	2	-1	-10	22	48	nd	57200	1290	133	nd	298	nd	-1	46	nd	134	85	-1
1118	13229	8408	48	5	53	0.1	2	1	10	20	42	nd	46000	945	170	nd	214	nd	-1	45	nd	105	119	-1
1119	13646	10051	64	14	98	-0.1	5	-1	-10	28	56	nd	53900	1350	nd	95	nd	790	1	48	nd	nd	nd	nd
1120	10049	8382	39	8	60	0.1	2	-1	-10	18	37	nd	43000	772	88	nd	212	nd	2	43	nd	101	97	-1
1121	13302	8449	45	10	98	-0.1	2	-1	-10	19	45	nd	54000	991	90	nd	236	nd	-1	50	nd	114	99	-1
1121	13302d	8449d	44	8	102	0.1	2	-1	-10	19	45	nd	53900	1020	nd	nd	nd	nd	-1	52	nd	nd	nd	nd
1122	13644	10049	19	9	15	-0.1	9	-1	-10	11	11	nd	7050	288	nd	10	nd	120	1	12	nd	nd	nd	nd
1123	13645	10050	48	13	50	-0.1	6	-1	-10	20	39	nd	36700	928	nd	95	nd	210	1	40	nd	nd	nd	nd
1124	10048	8381	21	5	22	-0.1	3	-1	-10	12	28	nd	19700	270	55	nd	139	nd	3	36	nd	67	143	-1
1126	10051	8383	38	8	52	-0.1	2	-1	-10	19	38	nd	40900	789	98	nd	213	nd	2	43	nd	94	92	-1
1126	13305	8451	41	7	64	-0.1	3	-1	-10	17	39	nd	43500	813	101	nd	228	nd	-1	44	nd	105	107	-1
1127	10052	8384	21	5	25	-0.1	3	-1	-10	11	27	nd	21100	289	72	nd	172	nd	2	34	nd	84	117	-1
1127	13304	8450	24	6	24	-0.1	1	-1	-10	6	18	nd	15000	233	40	nd	125	nd	-1	28	nd	51	134	-1
1129	13306	8452	21	6	16	-0.1	4	-1	-10	4	31	nd	8270	266	19	nd	148	nd	-1	28	nd	51	188	-1
1129	13306	8452	21	6	16	-0.1	4	-1	-10	4	31	nd	8270	266	19	nd	148	nd	-1	28	nd	51	188	-1
1130	10053	8385	14	4	3	-0.1	4	-1	-10	-10	19	nd	8320	257	22	nd	149	nd	-1	26	nd	50	152	-1
1130	10053d	8385d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	22	nd	163	nd	nd	nd	nd	51	145	-1
1131	13307	8453	30	5	36	-0.1	3	-1	-10	9	26	nd	23500	479	60	nd	194	nd	-1	35	nd	73	140	-1
1132	10054	8386	25	6	64	-0.1	3	-1	-10	16	36	nd	31200	799	68	nd	240	nd	3	45	nd	97	156	-1
1133	13309	8454	32	8	48	-0.1	3	-1	-10	13	33	nd	31200	774	57	nd	257	nd	-1	45	nd	89	159	-1
1134	10056	8387	24	4	23	-0.1	3	-1	-10	12	34	nd	21600	455	58	nd	172	nd	2	56	nd	70	138	-1
1135	13310	8455	76	12	77	-0.1	2	-1	-10	15	47	nd	40200	660	91	nd	368	nd	-1	51	nd	108	265	-1
1136	13641	10046	48	11	62	-0.1	5	-1	-10	18	31	nd	37300	944	nd	75	nd	240	1	28	nd	nd	nd	nd
1137	13311	8456	38	8	60	-0.1	3	-1	-10	14	34	nd	35500	746	79	nd	235	nd	-1	41	nd	93	122	-1
1138	13312	8457	36	7	47	-0.1	3	-1	-10	11	28	nd	28600	604	54	nd	193	nd	-1	37	nd	72	147	-1
1138	13312d	8457d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	53	nd	192	nd	nd	nd	nd	74	158	-1
1139	13638	10044	120	14	100	-0.1	4	-1	-10	25	49	nd	51500	1000	nd	110	nd	470	1	32	nd	nd	nd	nd
1140	13637	10043	43	16	97	-0.1	3	-1	-10	24	64	nd	58400	939	nd	130	nd	410	1	57	nd	nd	nd	nd
1141	13639	10045	46	16	112	-0.1	4	-1	-10	26	71	nd	59500	1010	nd	105	nd	420	1	63	nd	nd	nd	nd
1142	13314	8458	29	10	76	-0.1	2	-1	-10	16	59	nd	41900	637	128	nd	320	nd	-1	63	nd	106	295	-1
1143	13636	10042	55	10	81	-0.1	3	-1	-10	22	37	nd	48200	1210	nd	130	nd	420	-1	29	nd	nd	nd	nd
1144	13315	8459	58	9	66	-0.1	2	-1	-10	16	41	nd	40700	908	89	nd	263	nd	-1	44	nd	108	141	-1
1144	13315d	8459d	55	10	67	0.2	2	-1	-10	16	42	nd	41900	941	nd	nd	nd	nd	-1	44	nd	nd	nd	nd
1145	13316	8460	32	7	60	0.1	2	-1	-10	11	33	nd	23300	577	57	nd	195	nd	-1	42	nd	74	185	-1
1146	13318	8461	28	14	103	-0.1	1	-1	-10	20	76	nd	47800	1100	131	nd	365	nd	-1	76	nd	131	149	-1
1147	13642	10047	219	20	78	-0.1	5	-1	15	21	28	nd	40000	1020	nd	80	nd	360	2	25	nd	nd	nd	nd
1148	13635	10041	24	10	76	-0.1	2	-1	-10	18	47	nd	44400	1060	nd	105	nd	370	-1	39	nd	nd	nd	nd
1149	9590	8029	49	13	78	0.1	3	-1	-10	13	22	nd	54500	972	62	nd	129	nd	-1	43	nd	68	281	-1
1149	9590d	8029d	38	12	53	0.1	3	-1	-10	14	32	nd	40500	713	nd	nd	nd	nd	-1	36	nd	nd	nd	nd
1150	9591	8030	65	15	125	0.1	4	-1	-10	34	62	nd	80900	957	87	nd	523	nd	-1	42	nd	131	658	-1
1151	9592	8031	139	26	89	0.2	4	-1	-10	38	35	nd	35000	785	43	nd	368	nd	-1	33	nd	117	761	-1
1152	9593	8032	54	14	87	0.1	3	-1	-10	21	52	nd	55000	895	49	nd	176	nd	-1	48	nd	66	437	-1
1153	9595	8033	39	13	92	0.1	2	-1	-10	21	64	nd	56900	755	74	nd	255	nd	-1	64	nd	87	270	-1
1154	9596	8034	53	13	61	-0.1	3	-1	-10	11	44	nd	49000	840	38	nd	93	nd	-1	42	nd	51	517	-1

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Ba*	Cd	Cr	Cr*	V	Sr	Et
1155	13320	8463	50	16	87	0.1	-1	-1	29	23	88	nd	40600	836	114	nd	310	nd	-1	88	nd	114	196	-1
1156	13319	8462	39	10	80	-0.1	-1	-1	18	17	71	nd	38100	553	143	nd	327	nd	-1	75	nd	106	180	-1
1157	13321	8464	28	11	79	0.1	-1	-1	21	17	70	nd	35100	689	97	nd	295	nd	-1	81	nd	106	206	-1
1158	13323	8465	25	11	64	-0.1	-1	-1	-10	15	68	nd	31000	782	116	nd	268	nd	-1	75	nd	98	175	-1
1159	9597	8035	54	13	73	-0.1	-1	-1	29	21	42	nd	55500	802	56	nd	268	nd	-1	36	nd	95	1018	-1
1160	9598	8036	122	14	103	0.1	-1	-1	22	19	45	nd	674	674	54	nd	368	nd	-1	38	nd	104	464	-1
1161a	9600	8038	35	13	70	0.1	3	-1	-10	21	55	nd	52700	1100	60	nd	151	nd	-1	54	nd	104	464	-1
1161b	9599	8037	53	14	99	-0.1	2	-1	-10	27	74	nd	66800	873	65	nd	241	nd	-1	65	nd	80	703	-1
1162	13366	8498	62	15	95	-0.1	2	-1	-10	27	106	nd	51000	780	140	nd	363	nd	-1	101	nd	64	543	-1
1163	13367	8499	33	12	88	-0.1	2	-1	-10	23	340	nd	43600	811	106	nd	243	nd	-1	536	nd	125	234	-1
1164	13369	8500	39	14	83	-0.1	3	-1	-10	20	80	nd	44800	906	152	nd	304	nd	-1	75	nd	104	269	-1
1165	13374	8466	34	11	70	0.1	1	-1	-10	17	75	nd	35400	778	119	nd	311	nd	-1	83	nd	124	251	-1
1166	13325	8467	29	13	83	-0.1	1	-1	-10	18	75	nd	39500	760	124	nd	327	nd	-1	78	nd	108	179	-1
1167	13416	8540	28	10	76	-0.1	2	-1	15	16	41	nd	38200	895	147	nd	305	nd	-1	34	nd	103	272	-1
1168	13415	8539	27	10	80	0.1	2	-1	-10	17	50	nd	41200	569	137	nd	249	nd	-1	39	nd	123	135	-1
1169	13417	8541	32	12	63	-0.1	2	-1	96	17	44	nd	35100	927	108	nd	230	nd	-1	24	nd	82	275	-1
1169	13417d	8541d	37	nd	66	nd	nd	nd	nd	16	42	nd	33000	875	nd	nd	nd	nd	-1	24	nd	nd	nd	-1
1170	13418	8542	30	11	104	-0.1	2	-1	47	18	48	nd	42200	1170	130	nd	292	nd	-1	31	nd	116	+1000	-1
1171	9958	8323	23	7	77	-0.1	2	-1	-10	15	36	nd	37800	840	115	nd	616	nd	-1	43	nd	91	233	-1
1172	9960	8325	25	9	78	-0.1	2	-1	-10	16	53	nd	40600	735	114	nd	668	nd	-1	63	nd	125	378	-1
1173	9961	8326	22	8	60	0.1	3	-1	-10	14	42	nd	32400	616	105	nd	568	nd	-1	45	nd	131	728	-1
1174	9959	8324	31	8	87	-0.1	3	-1	-10	19	61	nd	46600	719	147	nd	619	nd	-1	60	nd	114	+1000	-1
1175	9962	8327	18	8	78	-0.1	3	-1	-10	16	58	nd	39800	521	119	nd	608	nd	-1	61	nd	129	631	-1
1176	9963	8328	22	8	96	-0.1	3	-1	-10	17	58	nd	43200	638	99	nd	700	nd	-1	61	nd	125	370	-1
1177	9965	8329	20	6	51	-0.1	2	-1	-10	12	38	nd	27400	471	86	nd	478	nd	-1	43	nd	140	631	-1
1177	9965d	8329d	21	8	58	-0.1	2	-1	-10	13	46	nd	30700	528	nd	nd	nd	nd	-1	42	nd	94	726	-1
1178	9966	8330	23	9	59	-0.1	3	-1	30	14	43	nd	31700	618	131	nd	572	nd	-1	40	nd	nd	nd	nd
1179	13420	8543	26	10	69	-0.1	2	-1	31	16	44	nd	36400	772	129	nd	294	nd	-1	31	nd	100	265	-1
1180	9967	8331	17	8	53	-0.1	2	-1	44	12	39	nd	28200	508	76	nd	47	nd	-1	40	nd	87	766	-1
1180	9967d	8331d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	-1	40	nd	108	740	-1
1181a	9968	8332	26	8	68	-0.1	3	-1	32	15	44	nd	35700	751	120	nd	542	nd	-1	43	nd	114	940	-1
1181b	13421	8544	26	8	58	-0.1	2	-1	-10	13	39	nd	31100	527	169	nd	268	nd	-1	29	nd	85	254	-1
1182a	13422	8545	27	8	77	-0.1	2	-1	38	16	43	nd	37800	811	95	nd	273	nd	-1	33	nd	87	273	-1
1182b	9969	8333	21	8	87	-0.1	3	-1	-10	16	50	nd	39800	685	84	nd	578	nd	-1	48	nd	123	794	-1
1183	13539	9976	37	9	72	-0.1	2	-1	-10	16	29	nd	37900	661	128	nd	510	nd	-1	14	nd	100	297	-1
1184	13540	9977	35	9	73	-0.1	2	-1	-10	18	32	nd	43700	877	131	nd	273	nd	-1	29	nd	102	188	-1
1185	13541	9978	35	13	71	-0.1	3	-1	-10	18	40	nd	39800	766	166	nd	269	nd	-1	29	nd	111	222	-1
1185	13541d	9978d	33	12	70	-0.1	3	-1	-10	19	41	nd	39300	793	nd	nd	nd	nd	-1	28	nd	nd	nd	-1
1186	13542	9979	28	8	56	-0.1	2	-1	-10	15	29	nd	32400	721	135	nd	246	nd	-1	20	nd	86	217	-1
1187	13544	9980	23	26	77	-0.1	3	-1	-10	-10	18	nd	25500	459	101	nd	352	nd	-1	13	nd	84	193	-1
1187	13544d	9980d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	314	nd	-1	nd	nd	79	163	-1
1189	13547	9981	25	12	61	-0.1	3	-1	-10	14	28	nd	33900	757	117	nd	420	nd	-1	23	nd	98	253	-1
1190	13327	8468	21	9	70	-0.1	-1	-1	29	15	58	nd	33600	744	79	nd	323	nd	-1	58	nd	106	263	-1
1191	13328	8469	24	9	55	-0.1	1	-1	16	13	49	nd	28000	843	114	nd	249	nd	-1	49	nd	80	310	-1
1192	13331	8471	38	nd	73	-0.1	2	-1	nd	17	67	nd	35000	675	118	nd	319	nd	-1	87	nd	121	258	-1
1192	13331d	8471d	61	9	80	0.1	1	20	-10	8	30	nd	39800	356	nd	nd	nd	nd	-1	55	nd	nd	nd	nd
1193	13329	8470	24	8	90	-0.1	1	-1	18	14	62	nd	35000	693	85	nd	328	nd	-1	81	nd	107	266	-1
1194	13336	8475	48	10	65	0.1	1	-1	37	18	65	nd	35400	676	97	nd	248	nd	-1	55	nd	81	318	-1
1194	13336d	8475d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	257	nd	-1	nd	nd	86	377	-1
1195	13363	10040	46	17	86	-0.1	2	-1	-10	26	66	nd	50500	1080	nd	105	460	nd	-1	58	nd	nd	nd	nd
1196	13337	8476	39	17	92	-0.1	1	-1	14	22	87	nd	46100	979	113	nd	327	nd	-1	96	nd	116	124	-1
1197	13564	9996	25	12	41	-0.1	4	-1	-10	12	20	nd	23600	496	51	nd	164	nd	-1	-10	nd	59	381	-1
1198	13565	9997	32	14	65	-0.1	3	-1	-10	16	36	nd	35000	622	101	nd	211	nd	-1	24	nd	79	333	-1
1199	13566	9998	40	12	71	-0.1	3	-1	-10	18	30	nd	37700	652	86	nd	232	nd	-1	14	nd	80	327	-1
1199	13566d	9998d	42	10	75	-0.1	3	-1	-10	18	30	nd	38600	661	87	nd	253	nd	-1	16	nd	91	326	-1
1200	13567	9999	54	15	86	-0.1	4	-1	13	24	50	nd	47200	795	111	nd	266	nd	-1	31	nd	98	377	-1

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Bo*	Cd	Cr	Cr*	V	Sr	Be
1201	13568	10000	27	11	55	-0.1	3	-1	-10	13	25	nd	29800	516	87	85	179	240	-1	14	nd	68	380	-1
1202	13570	10001	40	10	77	-0.1	2	-1	25	21	46	nd	41900	798	131	135	249	370	-1	26	nd	102	326	-1
1203	13571	10002	44	12	89	-0.1	3	-1	12	23	57	nd	43000	930	171	180	261	480	-1	42	nd	114	220	-1
1204	13572	10003	37	13	66	-0.1	3	-1	-10	16	38	nd	37100	662	82	105	176	250	-1	25	nd	68	304	-1
1205	13574	10004	26	11	51	-0.1	3	-1	-10	14	31	nd	30900	633	173	120	182	200	-1	18	nd	71	326	-1
1206	13578	8477	26	9	56	-0.1	2	-1	35	14	54	nd	28700	585	123	nd	235	nd	-1	56	nd	75	372	-1
1207	13539	8478	25	9	69	-0.1	1	-1	-29	14	52	nd	31400	667	96	nd	261	nd	-1	56	nd	94	374	-1
1208	13512	9955	28	10	73	-0.1	2	-1	-10	15	33	nd	36300	847	86	140	188	550	-1	26	nd	93	374	-1
1209	13515	9956	156	10	37	-0.1	6	70	21	11	19	nd	21200	721	40	70	79	340	-1	15	nd	37	348	-1
1210	13516	9957	37	8	53	-0.1	3	4	-10	13	27	nd	31200	784	59	100	99	380	-1	21	nd	50	158	-1
1211	13341	8479	40	8	50	-0.1	3	-1	33	12	44	nd	24100	741	96	100	255	nd	-1	50	nd	78	337	-1
1212	13342	8480	46	12	41	-0.1	2	-1	-10	-10	31	nd	20500	616	80	nd	116	nd	-1	45	nd	53	259	-1
1213	13347	9958	68	14	47	-0.1	3	-1	-10	-10	15	nd	23900	661	21	50	117	440	-1	10	nd	46	205	-1
1214	13343	8481	27	7	52	-0.1	2	-1	-10	12	49	nd	27000	629	54	nd	80	nd	-1	72	nd	52	194	-1
1214	13343d	8481d	24	nd	54	nd	1	nd	nd	11	48	nd	27300	626	nd	nd	nd	nd	-1	57	nd	nd	nd	nd
1215	13345	8482	30	9	51	-0.1	3	-1	-10	12	49	nd	27300	638	83	nd	115	nd	-1	82	nd	54	169	-1
1216	13346	8483	25	8	44	-0.1	2	-1	-10	11	42	nd	23600	605	62	nd	60	nd	-1	59	nd	41	283	-1
1217	13347	8484	28	9	51	-0.1	2	-1	-10	12	45	nd	26500	641	45	nd	90	nd	-1	55	nd	53	229	-1
1218	13348	8485	26	8	59	-0.1	2	-1	-10	11	46	nd	25800	628	25	nd	82	nd	-1	61	nd	46	222	-1
1219	13357	9975	158	48	203	0.6	5	-1	87	11	16	nd	40400	696	154	150	307	550	-1	14	nd	91	77	-1
1220	13536	9974	37	41	77	0.4	4	-1	-10	-10	13	nd	20000	656	57	50	367	700	-1	21	nd	79	97	-1
1221	13611	10026	149	142	1000	0.6	7	-1	519	23	50	nd	20100	1160	nd	155	nd	nd	-1	27	nd	nd	nd	nd
1222	13612	10027	22	48	113	0.2	4	-1	11	-10	-10	nd	22700	607	nd	20	nd	630	-1	4	nd	nd	nd	nd
1223	13613	10028	48	22	99	-0.1	4	-1	35	16	29	nd	40700	821	nd	75	40700	660	-1	16	nd	nd	nd	nd
1223	13613d	10028d	52	24	103	-0.1	4	-1	37	30	50	nd	42500	861	nd	nd	nd	nd	-1	24	nd	nd	nd	nd
1224	13614	10029	27	31	138	-0.1	3	-1	16	-10	20	nd	25700	581	nd	45	nd	410	-1	15	nd	nd	nd	nd
1225	13615	10030	42	48	343	-0.1	3	7	38	18	37	nd	38500	719	nd	70	nd	690	-1	23	nd	nd	nd	nd
1226	13616	10031	27	32	144	-0.1	5	40	39	-10	20	nd	28900	656	nd	50	nd	580	-1	13	nd	nd	nd	nd
1227	13534	9973	30	13	48	-0.1	4	-1	22	11	17	nd	26100	573	87	85	231	420	-1	12	nd	76	98	-1
1228	13533	9972	36	12	59	-0.1	2	-1	26	13	19	nd	34500	716	115	100	238	420	-1	16	nd	91	84	-1
1229	13532	9971	35	11	43	-0.1	2	-1	21	11	17	nd	25500	571	96	80	213	310	-1	12	nd	68	209	-1
1230	13469	8582	23	22	52	-0.1	3	-1	-10	-10	16	nd	19500	630	58	nd	254	nd	-1	15	nd	75	209	-1
1231	13468	8581	28	11	45	-0.1	3	-1	-10	12	24	nd	23300	716	67	nd	237	nd	-1	21	nd	72	318	-1
1232	13531	9970	6	19	44	-0.1	2	-1	-10	-10	-10	nd	13600	652	46	25	329	560	-1	-10	nd	59	87	-1
1233	13467	8580	21	21	52	-0.1	3	-1	-10	-10	15	nd	19300	526	73	nd	288	nd	-1	16	nd	84	173	-1
1234	13530	9969	27	10	37	-0.1	3	-1	-10	12	21	nd	22400	478	73	75	264	370	-1	14	nd	77	219	-1
1235	13529	9968	20	18	41	-0.1	2	-1	-10	-10	22	nd	15400	478	73	55	264	370	-1	-10	nd	77	219	-1
1235	13529d	9968d	21	18	41	-0.1	2	-1	-10	-10	15	nd	17500	561	nd	70	nd	450	-1	10	nd	94	255	-1
1236	13528	9967	34	24	59	0.2	3	-1	-10	11	20	nd	23700	647	79	70	278	450	-1	15	nd	94	255	-1
1237	13526	9966	25	11	34	-0.1	2	-1	-10	10	17	nd	19200	615	56	55	289	670	-1	13	nd	80	230	-1
1238	13525	9965	27	13	44	-0.1	2	-1	-10	12	21	nd	26800	638	100	75	263	400	-1	15	nd	84	230	-1
1239	13524	9964	31	12	64	-0.1	2	-1	-10	15	27	nd	32900	715	110	80	292	470	-1	23	nd	114	209	-1
1240	13618	10033	12	38	55	0.2	3	-1	-10	-10	14	nd	13000	519	nd	20	nd	560	-1	10	nd	nd	nd	nd
1241	13619	10034	35	28	34	0.1	5	-1	-10	-10	10	nd	11000	285	nd	25	nd	740	-1	12	nd	nd	nd	nd
1242	13596	10021	20	24	45	-0.1	3	-1	-10	-10	11	nd	12800	328	nd	40	nd	480	-1	10	nd	nd	nd	nd
1243	13597	10022	18	17	58	-0.1	3	-1	-10	-10	13	nd	12400	368	nd	35	nd	490	-1	-10	nd	nd	nd	nd
1243	13598	10023	17	13	49	-0.1	3	-1	-10	-10	13	nd	11300	253	nd	30	nd	470	-1	-10	nd	nd	nd	nd
1244	13401	8526	16	20	49	-0.1	3	-1	-10	-10	25	nd	11900	359	50	nd	298	nd	-1	41	nd	69	107	-1
1245	13617	10032	60	32	94	0.2	5	-1	-10	13	31	nd	25000	570	nd	30	nd	680	-1	28	nd	nd	nd	nd
1246	13400	8525	36	13	86	-0.1	3	-1	69	14	48	nd	25900	397	70	nd	283	nd	-1	52	nd	95	85	-1
1246a	13405	8526	45	19	80	-0.1	4	-1	19	17	40	nd	28300	566	75	nd	259	nd	-1	52	nd	81	59	-1
1247	13404	8529	32	11	88	-0.1	3	-1	39	13	45	nd	26500	437	78	nd	309	nd	-1	49	nd	123	110	-1
1248	13441	8559	44	9	173	0.1	6	-1	23	19	72	nd	46300	437	117	nd	588	nd	-1	43	nd	160	94	-1
1249	13586	10015	36	16	66	-0.1	5	-1	-10	11	25	nd	21900	418	nd	60	nd	400	-1	12	nd	128	140	-1
1250	13399	8524	36	17	110	-0.1	6	-1	31	14	56	nd	32000	444	113	nd	369	nd	-1	57	nd	728	213	-1
1251	13397	8523	34	19	67	-0.1	7	-1	-10	12	37	nd	21700	510	85	nd	272	nd	-1	50	nd	87	213	-1

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Re	Ba*	Cd	Cr	Cr*	V	Sr	Be
1252	1339a	8521	29	14	57	-0.1	2	-1	-10	11	35	nd	26500	537	82	nd	270	nd	-1	49	nd	101	156	-1
1252	1339a	8521d	28	nd	58	nd	nd	nd	nd	11	21	nd	27800	552	nd	nd	nd	nd	nd	20	552	nd	nd	nd
1253	1339b	8522	30	7	80	-0.1	2	-1	-10	15	43	nd	39200	580	139	nd	243	nd	-1	59	nd	95	101	-1
1254	1339c	8520	34	21	54	-0.1	4	-1	-10	10	35	nd	18900	520	74	nd	292	nd	-1	49	nd	85	247	-1
1255	1339e	10020	46	20	53	-0.1	4	-1	-10	15	25	nd	25000	673	nd	45	nd	370	-1	18	nd	nd	nd	nd
1256	1340e	8531	23	9	73	-0.1	4	-1	-10	17	67	nd	37000	728	167	nd	246	nd	-1	65	nd	92	103	-1
1256	1340e	8531d	24	nd	68	nd	nd	nd	nd	15	49	nd	33900	685	nd	nd	nd	nd	-1	35	nd	nd	nd	nd
1257	1340f	8532	31	12	71	-0.1	2	-1	-10	17	60	nd	35800	717	102	nd	241	nd	-1	59	nd	85	350	-1
1258	13592	10017	20	9	77	-0.1	1	-1	-10	17	50	nd	41900	672	nd	125	nd	360	-1	38	nd	nd	nd	nd
1259	1340e	8533	15	7	63	-0.1	2	-1	-10	14	47	nd	31400	742	133	nd	251	nd	-1	35	nd	96	76	-1
1259	1340e	8533d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	157	nd	261	nd	nd	nd	nd	104	79	-1
1260	1340f	8534	20	8	63	-0.1	2	-1	-10	14	45	nd	32500	631	194	nd	240	nd	-1	35	nd	89	114	-1
1261	13435	8554	22	9	54	-0.1	2	-1	-10	13	40	nd	37100	563	135	nd	225	nd	nd	27	nd	82	175	-1
1262	10044	8379	34	8	80	-0.1	1	-1	-10	22	61	nd	47200	648	46	nd	176	nd	2	56	nd	76	191	-1
1262	10044	8379d	30	9	79	-0.1	2	-1	-10	21	60	nd	46300	667	nd	nd	nd	nd	2	53	nd	nd	nd	nd
1263	10043	8378	16	4	50	-0.1	2	-1	-10	15	49	nd	33000	539	71	nd	170	nd	-1	45	nd	67	144	-1
1264	10041	8377	38	6	47	-0.1	2	-1	-10	16	46	nd	32600	640	55	nd	128	nd	3	50	nd	59	287	-1
1265	10040	8376	36	9	60	-0.1	1	-1	-10	19	52	nd	38200	789	61	nd	162	nd	3	55	nd	74	207	-1
1266	10039	8375	25	8	60	-0.1	1	-1	-10	19	54	nd	37600	695	75	nd	161	nd	2	52	nd	68	213	-1
1267	10038	8374	29	11	80	-0.1	2	-1	-10	21	62	nd	48100	892	82	nd	179	nd	3	63	nd	86	142	-1
1268	10036	8373	64	8	65	0.1	2	-1	-10	17	44	nd	39500	707	50	nd	157	nd	2	55	nd	67	253	-1
1269	10035	8372	28	7	67	-0.1	2	-1	-10	21	60	nd	42500	707	85	nd	119	nd	4	63	nd	55	232	-1
1270	10034	8371	65	9	48	-0.1	2	-1	-10	17	41	nd	32500	695	51	nd	145	nd	2	51	nd	64	223	-1
1271	10032	8370	66	7	52	-0.1	2	-1	-10	14	37	nd	32500	637	47	nd	157	nd	2	48	nd	77	254	-1
1272	10031	8369	40	11	78	-0.1	2	-1	-10	23	59	nd	47400	746	75	nd	171	nd	-1	47	nd	71	228	-1
1272	10031d	8369d	42	11	75	-0.1	2	-1	-10	24	64	nd	45800	713	nd	nd	nd	nd	2	55	nd	nd	nd	nd
1273	10028	8367	68	9	54	0.1	2	-1	-10	16	34	nd	35200	722	51	nd	143	nd	-1	29	nd	66	224	-1
1273	10028d	8367d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	38	nd	133	nd	nd	nd	53	199	-1	
1274	10029	8368	123	8	62	0.2	2	-1	-10	19	34	nd	38700	804	46	nd	154	nd	-1	37	nd	65	217	-1
1275	10027	8366	210	11	64	0.2	2	-1	-10	22	33	nd	34600	796	63	nd	170	nd	-1	30	nd	65	157	-1
1276	10026	8365	49	9	53	0.1	3	-1	-10	14	31	nd	33000	773	31	nd	118	nd	-1	40	nd	60	237	-1
1277	13429	8550	29	8	60	-0.1	2	-1	-10	14	37	nd	32500	643	120	nd	245	nd	-1	33	nd	89	343	-1
1278	13260	8432	46	11	66	-0.1	2	-1	-10	17	59	nd	36400	687	128	nd	331	nd	-1	90	nd	109	275	-1
1279	13256	8429	24	10	53	-0.1	2	-1	-10	13	43	nd	30400	806	97	nd	321	nd	-1	51	nd	100	220	-1
1279	13256d	8429d	34	10	76	0.2	2	-1	-10	16	42	nd	40000	889	nd	nd	nd	nd	-1	50	nd	nd	nd	nd
1280	13365	8497	54	nd	67	nd	nd	nd	nd	11	37	nd	11600	643	54	nd	231	nd	1	52	nd	67	192	-1
1280	13365d	8497d	65	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	49	nd	192	nd	nd	nd	65	188	-1	
1281	13257	8430	41	14	47	-0.1	3	-1	-10	9	30	nd	17500	521	54	nd	325	nd	1	36	nd	72	214	-1
1282	13428	8549	31	7	89	-0.1	5	-1	-10	17	43	nd	45500	861	157	nd	342	nd	-1	40	nd	90	277	-1
1283	13259	8431	35	10	56	-0.1	2	-1	-10	14	46	nd	33700	769	138	nd	287	nd	-1	54	nd	110	191	-1
1284	13261	8433	52	14	61	-0.1	3	-1	-10	11	30	nd	25900	574	53	nd	196	nd	-1	37	nd	68	226	-1
1285	13432	8552	29	9	75	-0.1	2	-1	-10	18	48	nd	47000	570	161	nd	291	nd	nd	39	nd	111	221	-1
1286	13431	8551	22	12	77	-0.1	2	-1	-10	16	59	nd	47200	689	158	nd	293	nd	-1	62	nd	120	133	-1
1286	13431d	8551d	30	nd	88	nd	nd	nd	nd	17	56	nd	42800	766	121	nd	252	nd	-1	52	nd	117	117	-1
1287	13433	8553	30	13	85	-0.1	2	-1	-10	20	59	nd	51700	676	146	nd	312	nd	nd	47	nd	119	167	-1
1288	13263	8434	44	11	54	-0.1	2	-1	-10	13	36	nd	28700	592	90	nd	252	nd	-1	39	nd	79	325	-1
1289	13264	8435	40	12	56	-0.1	3	-1	-10	12	33	nd	26000	573	81	nd	280	nd	-1	40	nd	87	285	-1
1290	13266	8436	35	6	83	-0.1	4	-1	-10	17	46	nd	45400	777	162	nd	392	nd	-1	52	nd	95	274	-1
1291	13267	8437	34	10	76	-0.1	2	-1	-10	18	57	nd	42800	739	103	nd	310	nd	-1	57	nd	100	316	-1
1292	13268	8438	27	11	84	-0.1	2	-1	-10	17	61	nd	45800	659	133	nd	304	nd	-1	65	nd	105	229	-1
1293	13269	8439	32	12	91	-0.1	2	-1	-10	17	55	nd	45600	763	114	nd	340	nd	-1	62	nd	118	298	-1
1293	13269d	8439d	31	12	87	0.1	2	-1	-10	17	54	nd	44100	746	111	nd	356	nd	-1	58	nd	111	276	-1
1294a	13270	8440	50	15	50	-0.1	3	-1	-10	11	32	nd	25300	623	90	nd	195	nd	-1	53	nd	67	254	-1
1294b	13271	8441	32	10	76	-0.1	2	-1	-10	16	49	nd	39900	677	111	nd	255	nd	-1	50	nd	86	299	-1
1295	13593	10018	34	17	66	-0.1	2	-1	-10	16	39	nd	35600	732	nd	110	nd	350	-1	31	nd	nd	nd	nd
1295	13593d	10018d	33	12	63	-0.1	2	-1	-10	16	40	nd	35900	739	nd	nd	nd	nd	-1	32	nd	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Ag	Mo	Sb	As	Co	Ni	Ni*	Fe	Mn	B	B*	Ba	Bar*	Cd	Cr	Cr*	V	Sr	Be
1296	13272	8442	70	13	57	-0.1	3	-1	-10	13	40	nd	30500	653	45	nd	195	nd	-1	60	nd	63	254	-1
1297a	13273	8443	32	8	61	-0.1	2	-1	-10	14	48	nd	35400	709	128	nd	249	nd	-1	51	nd	73	325	-1
1297b	10046	8380	39	8	18	-0.1	2	-1	-10	16	46	nd	36400	626	115	nd	241	nd	2	52	nd	90	287	-1
1298a	13275	8444	50	19	71	-0.1	3	-1	-10	13	35	nd	31900	644	56	nd	203	nd	-1	42	nd	63	271	-1
1298b	13276	8445	49	10	75	-0.1	3	-1	-10	13	38	nd	31100	648	66	nd	247	nd	-1	44	nd	79	251	-1
1299	13594	10019	43	12	59	-0.1	7	-1	-10	18	31	nd	31800	651	nd	80	247	nd	-1	-10	nd	nd	nd	nd
1300	13591	8518	23	8	87	-0.1	2	-1	-18	16	49	nd	43800	709	231	nd	278	nd	-1	57	nd	122	168	-1
1301	13426	8548	28	17	80	-0.1	2	-1	-10	17	54	nd	42000	782	138	nd	291	nd	-1	63	nd	105	206	-1
1302	13278	8447	27	16	78	-0.1	3	-1	-10	13	40	nd	32900	633	66	nd	316	nd	-1	44	nd	87	304	-1
1303	13389	8516	30	10	55	-0.1	2	-1	43	12	78	nd	25800	809	86	nd	238	nd	-1	133	nd	86	235	-1
1304	13390	8517	34	14	86	0.1	3	-1	44	14	56	nd	33600	587	166	nd	366	nd	-1	60	nd	113	180	-1
1305	13387	8515	25	8	94	-0.1	3	-1	-10	13	51	nd	29600	611	105	nd	279	nd	-1	50	nd	88	167	-1
1305	13387d	8515d	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	103	nd	261	nd	nd	nd	nd	90	197	-1
1306	13385	8513	27	7	56	-0.1	3	-1	-10	14	42	nd	37000	668	150	nd	262	nd	-1	50	nd	88	206	-1
1307	13386	8514	38	10	63	-0.1	3	-1	-13	13	48	nd	27900	591	105	nd	235	nd	-1	51	nd	74	170	-1
1308	13590	10016	28	10	102	-0.1	2	-1	-10	22	64	nd	48300	726	nd	140	nd	430	-1	46	nd	nd	nd	nd
1309	13425	8547	23	10	82	-0.1	2	-1	-10	17	59	nd	42200	778	142	nd	315	nd	-1	66	nd	111	141	-1
1310	13424	8545	31	12	78	-0.1	3	-1	-12	19	53	nd	39100	707	121	nd	271	nd	-1	44	nd	97	320	-1
1311	13414	8538	33	9	88	0.1	3	-1	-10	18	42	nd	45300	791	161	nd	273	nd	-1	31	nd	102	231	-1
1312	13417	8536	33	9	85	-0.1	2	-1	-10	18	43	nd	46500	812	188	nd	250	nd	-1	36	nd	118	229	-1
1313	13411	8535	50	13	104	-0.1	3	-1	14	21	42	nd	45800	1090	126	nd	259	nd	-1	33	nd	101	119	-1
1314	13277	8446	31	10	56	-0.1	3	-1	-10	11	36	nd	28200	676	89	nd	251	nd	-1	43	nd	81	378	-1
1315	13392	8519	24	9	61	-0.1	2	-1	22	14	43	nd	32500	849	142	nd	211	nd	-1	47	nd	87	288	-1

APPENDIX B. Analytical results for 323 pan-concentrate samples from the Chandalar C-5 and C-6 Quadrangles.

Methods and detection limits are given in table 1 of the main report. Values are reported in parts per million (ppm) except for mercury which is reported in parts per billion (ppb). Qualified values are preceded by '-' (less than) or '+' (greater than) and values not determined are listed as 'nd.' Anomalous values determined from the threshold values listed in table 3 are underlined. Analytical values determined by Bondar-Clegg, Ltd. are reported in separate columns labeled As*, Ni*, Cr*, B*, and Ba*.

APPENDIX B
Analytical data for pan concentrates

Map number	Field number	Lab number	Cu	Pb	Zn	Au	Ag	Mo	Sb	As	As*	Co	Ni*	Ni	Fe	Mn	B	Ba	Cd	Cr*	Cr	Sn	W	Hg
1	13220	7415	43	8	129	-0.2	-0.1	4	-1	20	nd	24	nd	56	50800	756	100	1300	-1	nd	127	-5	3	80
7	13214	7435	39	7	94	-0.2	-0.1	3	-1	8	-10	24	nd	45	56600	935	80	870	-1	nd	104	-5	2	40
8	13212	7413	50	12	222	-0.2	-0.1	4	-1	14	nd	24	nd	66	41600	645	70	980	2	nd	131	-5	3	45
10	13209	7440	55	19	159	-0.2	-0.1	3	-1	17	12	37	nd	63	67600	3970	185	710	-1	nd	132	-5	5	50
12	9257	7552	28	5	125	-0.1	-0.1	4	-1	nd	-10	21	42	nd	nd	nd	65	640	-1	25	nd	-5	3	50
14	9254	7561	33	13	125	-0.1	-0.1	4	-1	nd	-10	24	44	nd	nd	nd	80	680	-1	20	nd	-5	2	30
14	9254d	7561d	33	11	116	-0.1	-0.1	3	-1	nd	-10	24	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
17	9251	7562	35	11	104	-0.1	-0.1	5	-1	nd	-10	23	41	nd	nd	nd	85	700	-1	25	nd	-5	2	90
20	9246	7512	34	11	105	-0.1	-0.1	2	-1	7	-10	31	nd	nd	nd	nd	100	530	-1	nd	84	-5	2	30
24	9241	7518	33	13	126	-0.1	-0.1	2	-1	11	-10	27	nd	nd	nd	nd	110	700	-1	nd	97	-5	2	75
26	9441	7503	35	10	108	-0.2	-0.1	2	-1	13	-10	28	nd	56	66300	920	75	590	-1	nd	77	-5	3	210
28	9443	7504	35	10	106	-0.2	-0.1	2	-1	14	-10	31	nd	59	70800	1520	75	610	-1	nd	122	-5	3	35
30	9446	7500	34	10	127	-0.1	-0.1	3	-1	14	-10	26	nd	50	41200	1160	60	730	-1	nd	178	-5	3	35
33	9450	7494	37	8	114	-0.2	-0.1	4	-1	11	-10	22	nd	64	39600	712	75	860	-1	nd	108	-5	3	40
36	9454	7490	36	7	120	-0.2	-0.1	4	-1	11	-10	21	nd	60	41500	636	90	760	-1	nd	113	-5	2	40
39	9458	7509	29	10	112	-0.2	-0.1	3	-1	7	-10	17	nd	50	38000	697	65	590	-1	nd	107	-5	4	70
43	9033	7341	32	10	77	-0.2	-0.1	1	-1	12	nd	27	nd	51	66800	998	100	360	-1	nd	119	-5	2	10
46	9819	7463	41	7	164	-0.2	-0.1	11	-1	12	13	20	nd	56	39200	441	85	760	-1	nd	112	-5	2	120
50	9824	7447	30	13	150	-0.2	-0.1	2	-1	7	-10	31	nd	55	70900	850	125	540	-1	nd	134	-5	2	30
52	9827	7457	29	6	82	-0.2	-0.1	2	-1	7	-10	28	nd	50	64600	920	80	350	-1	nd	112	-5	3	20
57	9833	7464	39	5	106	-0.2	-0.1	3	-1	8	-10	32	nd	54	72000	1450	105	360	-1	nd	106	-5	2	25
59	9837	7460	46	6	90	-0.2	-0.1	2	-1	11	-10	33	nd	61	68600	2250	75	370	-1	nd	92	-5	2	250
64	9841	7470	39	7	140	-0.2	-0.1	3	-1	11	-10	29	nd	62	63800	704	100	840	-1	nd	95	-5	3	60
66	9844	7467	38	7	154	-0.2	-0.1	9	-1	11	-10	24	nd	66	52800	483	100	860	-1	nd	102	-5	2	115
67	9849	7459	16	2	106	-0.2	-0.1	4	-1	8	-10	19	nd	44	46000	427	85	670	-1	nd	116	-5	2	50
74	9016	7339	45	12	96	-0.2	-0.1	1	-1	15	nd	34	nd	59	75100	2330	100	350	-1	nd	131	-5	2	25
75	9014	7338	41	9	91	-0.2	-0.1	2	-1	16	nd	34	nd	67	78900	2200	100	360	-1	nd	154	-5	3	30
75	9014d	7338d	39	7	94	-0.2	-0.1	2	-1	nd	nd	36	nd	55	72300	2060	nd	nd	-1	nd	117	nd	nd	nd
76	9029	7340	33	7	79	-0.2	-0.1	1	-1	10	nd	28	nd	53	66500	1030	100	370	-1	nd	131	-5	2	15
80	9023	7335	49	17	95	-0.2	-0.1	1	-1	19	nd	37	nd	69	72900	2600	200	480	-1	nd	110	-5	2	40
91	9479	7502	42	9	89	-0.1	-0.1	2	-1	11	-10	34	nd	49	63800	1910	90	390	-1	nd	136	-5	3	50
93	9471	7505	42	11	89	-0.1	-0.1	2	-1	13	-10	34	nd	55	60200	3050	135	470	-1	nd	192	-5	3	45
95	9468	7496	49	9	88	-0.2	-0.1	1	-1	15	-10	33	nd	59	64000	3080	175	490	-1	nd	108	-5	3	75
105	9643	7574	39	9	114	-0.1	-0.1	2	-1	nd	-10	30	40	nd	nd	nd	95	350	-1	20	nd	-5	2	25
108	9645	7584	30	10	118	-0.1	-0.1	2	-1	nd	-10	27	37	nd	nd	nd	85	340	-1	20	nd	-5	3	25
110	9649	7568	26	8	60	-0.1	-0.1	2	-1	nd	-10	23	33	nd	nd	nd	80	330	-1	20	nd	-5	3	20
115	13205	7410	44	9	95	-0.2	-0.1	2	-1	14	-10	33	nd	56	60200	3890	95	370	-1	nd	148	-5	2	45
117	13208	7418	42	11	108	-0.2	-0.1	2	-1	13	nd	32	nd	61	63200	2550	100	390	-1	nd	122	-5	2	20
119	9656	7575	23	9	77	-0.1	-0.1	3	-1	nd	-10	21	29	nd	nd	nd	60	280	-1	20	nd	-5	3	30
128	9263	7559	31	8	84	-0.1	-0.1	3	-1	nd	-10	26	38	nd	nd	nd	90	340	-1	25	nd	-5	3	40
133	9486	7506	26	8	54	-0.2	-0.1	2	-1	11	-10	22	nd	48	39600	852	80	340	-1	nd	108	-5	4	20
135	9365	7487	23	8	70	-0.2	-0.1	3	-1	6	-10	22	nd	49	36200	751	70	240	-1	nd	91	-5	3	80
136	9493	7507	21	9	51	-0.2	-0.1	3	-1	11	-10	21	nd	46	36800	816	65	290	-1	nd	89	-5	2	15
137a	9491	7492	24	6	52	-0.2	-0.1	2	-1	12	-10	21	nd	48	37300	881	80	300	-1	nd	90	-5	3	20
140	9265	7553	31	6	70	-0.1	-0.1	3	-1	nd	-10	25	38	nd	nd	nd	85	330	-1	25	nd	-5	3	30
144	9270	7557	41	11	89	-0.1	-0.1	3	-1	nd	-10	29	45	nd	nd	nd	105	380	-1	20	nd	-5	2	35
145	9499	7495	17	4	44	-0.2	-0.1	4	-1	7	-10	18	nd	40	31300	762	65	220	-1	nd	81	-5	2	25
154	9044	7342	18	6	73	-0.2	-0.1	1	-1	7	nd	24	nd	57	47400	2030	50	310	-1	nd	107	-5	2	15
157	9048	7343	17	7	69	-0.2	-0.1	1	-1	6	nd	25	nd	52	46000	1830	100	340	-1	nd	118	-5	3	15
161	9276	7556	37	11	89	-0.1	-0.1	3	-1	nd	-10	27	44	nd	nd	nd	105	320	-1	15	nd	-5	2	30
165	9280	7560	35	10	68	-0.1	-0.1	4	-1	nd	-10	26	35	nd	nd	nd	85	330	-1	15	nd	-5	3	45
174	9907	7445	26	7	108	-0.2	-0.1	3	-1	7	-10	25	nd	52	48500	2620	105	480	-1	nd	157	-5	3	20

Map number	Field number	Lab number	Cu	Pb	Zn	Au	Ag	Mo	Sb	As	As*	Co	Ni*	Ni	Fe	Mn	B	Ba	Cd	Cr*	Cr	Sn	W	Hg
176	9289	7565	31	8	61	-0.1	-0.1	2	-1	nd	-10	23	35	nd	nd	nd	80	330	-1	15	nd	-5	2	25
183	9296	7563	34	10	67	-0.1	-0.1	3	-1	nd	-10	24	36	nd	60700	nd	80	350	-1	20	nd	-5	2	40
189	9663	7463	35	7	125	-0.1	-0.1	5	-1	23	-10	24	nd	50	60700	1230	75	660	-1	nd	134	-5	2	60
189	9663d	7461d	34	8	162	-0.2	-0.1	4	-1	nd	14	25	nd	49	57100	1210	nd	nd	-1	nd	123	nd	nd	nd
192	9659	7468	36	5	134	-0.2	-0.1	3	-1	30	27	26	nd	49	66000	1210	95	490	-1	nd	109	-5	2	35
196	9854	7458	41	6	103	-0.2	-0.1	2	-1	42	23	27	nd	52	68500	1230	75	340	-1	nd	136	-5	2	25
205	9092	7353	26	2	94	-0.2	-0.1	3	-1	45	nd	27	nd	48	66400	1100	50	360	-1	nd	155	-5	3	20
207	9095	7354	27	8	80	-0.2	-0.1	2	-1	9	nd	25	nd	49	62500	1450	50	320	-1	nd	180	-5	2	15
208	9086	7352	24	11	83	-0.2	-0.1	2	-1	11	nd	25	nd	46	62800	1650	50	300	-1	nd	202	-5	2	15
217	9057	7344	23	6	76	-0.2	-0.1	1	-1	13	nd	21	nd	39	53900	1100	100	360	-1	nd	176	-5	3	20
219	9668	7456	35	10	77	-0.2	-0.1	4	-1	8	-10	26	nd	50	53800	2090	80	360	-1	nd	109	-5	2	70
220	9363	7482	34	9	65	-0.2	-0.1	2	-1	7	-10	22	nd	44	48200	1190	85	250	-1	nd	131	-5	2	40
225	9357	7474	21	6	79	-0.2	-0.1	2	-1	7	-10	19	nd	36	43500	1730	65	280	-1	nd	161	-5	2	15
231	9352	7478	19	6	60	-0.2	-0.1	1	-1	7	-10	18	nd	32	42700	1510	65	300	-1	nd	151	-5	2	25
238	9746	7389	16	6	109	-0.2	-0.1	1	-1	12	nd	27	nd	44	62500	970	70	410	-1	nd	133	-5	3	10
240	9744	7388	13	3	79	-0.2	-0.1	2	-1	10	nd	19	nd	38	43400	1520	100	320	-1	nd	191	-5	3	5
243	9520	7362	16	6	48	-0.2	-0.1	2	-1	14	nd	16	nd	35	37500	1040	70	220	-1	nd	206	-5	2	20
250	9516	7359	29	7	69	-0.2	-0.1	3	-1	20	nd	25	nd	50	59300	1210	50	290	-1	nd	216	-5	2	20
251	9340	7477	39	7	68	-0.2	-0.1	2	-1	11	-10	25	nd	47	52900	1200	75	260	-1	nd	114	-5	2	40
254	9524	7363	31	8	79	-0.2	-0.1	2	-1	28	nd	28	nd	52	67600	1210	30	290	-1	nd	161	-5	3	20
257	9098	7355	24	9	61	-0.2	-0.1	2	-1	18	nd	19	nd	46	46000	1130	20	240	-1	nd	185	-5	2	30
262	9335	7483	29	10	65	-0.2	-0.1	2	-1	11	-10	20	nd	45	46500	1090	85	290	-1	nd	173	-5	2	30
265	9741	7387	29	6	102	-0.2	-0.1	3	-1	21	nd	21	nd	47	45400	1040	50	230	-1	nd	180	-5	2	30
268	9737	7386	20	5	118	-0.2	-0.1	2	-1	15	nd	20	nd	37	42900	780	50	210	-1	nd	199	-5	2	25
275	9379	7476	15	3	66	-0.2	-0.1	2	-1	5	-10	17	nd	30	38900	775	65	220	-1	nd	174	-5	3	25
277	9379	7466	28	9	63	-0.2	-0.1	2	-1	11	-10	19	nd	43	39300	900	75	260	-1	nd	136	-5	3	45
280	9324	7484	25	8	72	-0.2	-0.1	2	-1	11	-10	19	nd	42	39800	900	75	320	-1	nd	162	-5	2	35
286	13778	9502	17	8	49	-0.1	-0.1	2	-1	7	-10	12	nd	32	34300	656	45	470	2	nd	447	-5	2	15
290	13616	9507	23	7	58	-0.1	-0.1	5	-1	nd	-10	14	nd	29	30300	1010	50	540	2	nd	331	-5	2	10
292	9386	7452	20	6	78	-0.2	-0.1	4	-1	8	-10	16	nd	45	24300	650	125	350	-1	nd	89	-5	2	35
296	9382	7472	25	2	86	-0.2	-0.1	2	-1	7	-10	21	nd	41	52200	1390	70	340	-1	nd	161	-5	2	20
300	9301	7551	27	6	64	-0.1	-0.1	3	-1	11	12	23	30	nd	nd	nd	45	190	-1	30	nd	-5	2	10
300	9301d	7551d	27	7	66	-0.1	-0.1	2	-1	nd	-10	22	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
309	9675	7466	28	2	103	-0.2	-0.1	3	-1	7	-10	21	nd	40	49000	1020	90	300	-1	nd	139	-5	2	450
316	9682	7451	26	5	89	-0.2	-0.1	4	-1	8	-10	18	nd	40	43600	934	75	340	-1	nd	159	-5	3	50
316	9682d	7451d	28	7	104	-0.2	-0.1	3	-1	nd	-10	21	nd	43	46200	1040	nd	nd	-1	nd	167	nd	nd	nd
319	9319	7564	19	6	68	-0.1	-0.1	3	-1	nd	-10	13	22	nd	nd	nd	35	280	-1	25	nd	-5	3	25
321	9315	7555	19	9	62	-0.1	-0.1	4	-1	nd	-10	14	29	nd	nd	nd	50	400	-1	25	nd	-5	2	25
325	9310	7558	23	10	61	-0.1	-0.1	4	-1	nd	-10	16	28	nd	nd	nd	80	260	-1	20	nd	-5	3	310
328	9306	7554	23	12	98	-0.1	-0.1	4	-1	nd	-10	16	28	nd	nd	nd	nd	nd	-1	20	nd	-5	3	35
334	9505	7491	17	4	43	-0.2	-0.1	3	-1	8	-10	14	nd	40	25000	946	45	250	-1	nd	116	-5	3	30
334	9505d	7491d	18	7	47	-0.2	-0.1	3	-1	nd	-10	17	nd	42	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
337	9067	7346	16	8	44	-0.2	-0.1	3	-1	13	nd	16	nd	43	31400	1010	50	320	-1	nd	196	-5	2	50
342	9061	7345	10	7	88	-0.2	-0.1	3	-1	12	nd	15	nd	39	2300	808	20	320	-1	nd	167	-5	2	20
346	10010	7572	27	10	72	-0.1	-0.1	5	-1	nd	12	17	30	nd	nd	nd	45	1080	-1	30	nd	-5	2	55
348	9512	7493	36	5	122	-0.2	-0.1	4	-1	13	-10	18	nd	43	38600	776	60	540	-1	nd	153	-5	2	55
357	9246	7481	31	9	63	-0.2	-0.1	3	-1	160	106	23	nd	54	39900	957	95	270	-1	nd	88	-5	2	55
357	9346d	7481d	34	8	61	-0.2	-0.1	4	-1	35	167	26	nd	60	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
367	9377	7480	36	11	78	-0.2	-0.1	1	-1	8	-10	25	nd	49	53800	1120	100	360	-1	nd	118	-5	2	65
373	9576	7371	33	14	111	-0.2	-0.1	4	-1	17	nd	25	nd	66	59700	797	100	660	-1	nd	156	-5	2	20
376	13234	7479	33	10	107	-0.2	-0.1	4	-1	8	-10	24	nd	52	55700	891	95	760	-1	nd	116	-5	3	20
380	10019	7573	35	8	100	-0.1	-0.1	6	-1	nd	-10	20	42	nd	nd	nd	90	860	-1	20	nd	-5	2	90
391	9574	7370	36	14	115	-0.2	-0.1	3	-1	12	nd	26	nd	66	63700	849	100	760	-1	nd	137	-5	2	20
398	9945	7403	68	11	199	-0.2	-0.1	8	-1	14	-10	32	nd	78	65800	2230	130	930	-1	nd	112	-5	2	70
404	9407	7489	53	9	105	-0.2	-0.1	2	-1	11	-10	33	nd	67	61600	4030	220	680	-1	nd	92	-5	4	45

Map number	Field number	Lab number	Cu	Pb	Zn	Au	Ag	Mo	Sb	As	As*	Co	Ni*	Ni	Fe	Mn	B	Ba	Cd	Cr*	Cr	Sn	W	Hg
406	9410	7497	51	7	120	-0.2	-0.1	2	-1	11	-10	33	nd	61	67100	3410	150	550	-1	nd	93	-5	2	40
412	9610	7587	48	11	150	-0.1	-0.1	2	-1	nd	-10	29	45	nd	nd	nd	100	420	-1	15	nd	-5	2	50
415	9614	7586	47	9	158	-0.1	-0.1	2	-1	nd	-10	31	45	nd	nd	nd	100	400	-1	20	nd	-5	2	35
422	9953	7404	59	15	120	-0.2	-0.1	3	-1	25	18	47	nd	73	88000	2580	105	580	-1	nd	101	-5	3	55
428	9957	7405	50	11	103	-0.2	-0.1	3	-1	15	-10	36	nd	62	69000	3400	105	450	-1	nd	117	-5	2	40
430	13245	7473	30	8	69	-0.2	-0.1	2	-1	7	-10	24	nd	48	49600	838	100	320	-1	nd	113	-5	2	10
433	13240	7485	29	9	81	-0.2	-0.1	2	-1	8	-10	24	nd	52	54100	952	125	350	-1	nd	115	-5	2	30
442	9005	7336	36	10	84	-0.2	-0.1	2	-1	21	nd	31	nd	52	68500	3290	100	580	-1	nd	146	-5	3	20
447	9203	7515	43	12	92	-0.1	-0.1	2	-1	12	-10	28	nd	nd	nd	nd	130	500	-1	nd	111	-5	2	50
449	9206	7516	35	12	99	-0.1	-0.1	2	-1	11	-10	25	nd	nd	nd	nd	110	410	-1	nd	76	-5	2	145
452	9211	7511	42	9	105	-0.2	-0.1	3	-1	12	-10	31	nd	54	70800	1120	80	350	-1	nd	98	-5	3	20
452	9211d	7511d	38	6	132	-0.2	-0.1	2	-1	nd	-10	30	nd	52	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
453	9212	7520	36	5	84	-0.1	-0.1	2	-1	6	-10	26	nd	nd	nd	nd	75	290	-1	nd	91	-5	2	20
454	9214	7513	36	9	106	-0.1	-0.1	2	-1	8	-10	27	nd	nd	nd	nd	75	360	-1	nd	75	-5	3	30
458	9219	7523	36	6	140	-0.1	-0.1	10	-1	11	-10	20	nd	nd	nd	nd	60	770	-1	nd	69	-5	2	30
462	9804	7462	40	8	154	-0.2	-0.1	5	-1	11	-10	30	nd	72	64500	1000	90	860	-1	nd	117	-5	2	40
462	9416	7488	26	10	73	-0.2	-0.1	3	-1	11	-10	22	nd	50	39100	893	55	350	-1	nd	86	-5	3	25
470	9626	7582	31	7	99	-0.1	0.1	7	-1	nd	-10	22	36	nd	nd	nd	60	300	-1	15	nd	-5	2	40
476	9012	7337	36	11	94	-0.2	-0.1	1	-1	23	nd	29	nd	53	71000	2670	200	690	-1	nd	124	-5	2	35
477	9225	7519	43	14	123	-0.2	0.1	8	-1	14	25	22	nd	47	nd	nd	90	710	-1	30	79	-5	2	50
478	9227	7521	44	5	106	-0.1	-0.1	3	-1	15	-10	33	nd	nd	nd	nd	75	420	-1	nd	73	-5	3	25
482	13231	7475	39	9	95	-0.2	-0.1	8	-1	15	-10	27	nd	69	49200	781	80	470	-1	nd	135	-5	2	70
486	9702	7378	32	10	200	-0.2	-0.1	8	-1	19	nd	25	nd	63	57400	817	100	670	-1	nd	129	-5	3	35
493	9618	7569	37	12	180	0.1	-0.1	2	-1	nd	-10	27	45	nd	nd	nd	130	500	-1	25	nd	-5	2	30
496	9707	7379	28	7	128	-0.2	-0.1	4	-1	14	nd	23	nd	56	53000	894	100	540	-1	nd	116	-5	2	25
496	9707d	7379d	29	9	112	-0.2	-0.1	5	-1	nd	nd	25	nd	56	52200	903	nd	nd	-1	nd	122	nd	nd	nd
501	9816	7465	31	5	100	-0.2	-0.1	7	-1	12	-10	23	nd	59	42100	635	70	350	-1	nd	76	-5	2	190
510	9632	7591	37	7	199	-0.1	-0.1	2	-1	nd	-10	33	40	nd	nd	nd	75	330	-1	25	nd	-5	3	20
510	9632d	7591d	34	8	167	-0.1	-0.1	1	-1	nd	-10	33	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
515	9639	7581	35	14	91	-0.1	0.2	2	-1	nd	-10	28	40	nd	nd	nd	75	420	-1	25	nd	-5	2	15
515	9639d	7581d	34	14	88	-0.1	-0.1	2	-1	nd	-10	28	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
522	9232	7514	32	8	119	-0.1	-0.1	2	-1	20	15	28	nd	nd	nd	nd	80	490	-1	nd	77	-5	2	35
525	9237	7517	37	12	104	-0.1	-0.1	2	-1	21	-10	28	nd	nd	nd	nd	80	440	-1	nd	80	-5	3	30
530	9544	7365	28	11	75	-0.2	-0.1	2	-1	14	nd	26	nd	53	61800	1680	70	330	-1	nd	105	-5	2	30
533	9712	7380	25	9	110	-0.2	-0.1	6	-1	17	nd	20	nd	57	43000	778	50	430	-1	nd	103	-5	3	40
535	9717	7381	25	10	83	-0.2	-0.1	5	-1	16	nd	23	nd	57	45200	857	70	340	-1	nd	95	-5	2	35
538	9720	7382	22	9	101	-0.2	-0.1	4	-1	16	nd	22	nd	53	42300	809	50	310	-1	nd	102	-5	3	40
548	9726	7383	21	9	58	-0.2	-0.1	4	-1	14	nd	21	nd	51	39200	793	20	270	-1	nd	104	-5	3	30
549	9436	7498	28	11	122	-0.2	-0.1	3	-1	10	13	25	nd	44	45500	1830	60	310	-1	nd	140	-5	2	30
550	9438	7501	31	11	109	-0.2	-0.1	3	-1	28	20	23	nd	54	49000	766	35	550	-1	nd	88	-5	2	45
550	9438d	7501d	30	17	79	-0.2	-0.1	3	-1	nd	16	23	nd	52	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
552	9433	7508	32	12	110	-0.2	-0.1	3	-1	30	16	19	nd	55	47500	748	55	540	-1	nd	117	-5	2	30
554b	9426	7621	36	12	108	-0.1	-0.1	3	-1	nd	52	26	43	nd	nd	nd	65	620	-1	25	nd	-5	2	25
555	9430	7499	52	14	122	-0.2	-0.1	3	-1	35	35	29	nd	69	55300	796	55	620	-1	nd	118	-5	3	15
567	9423	7510	24	16	73	-0.2	-0.1	3	-1	10	-10	20	nd	48	37900	1020	40	300	-1	nd	91	-5	2	40
568	9669	7588	30	8	228	-0.1	-0.1	8	-1	nd	56	23	37	nd	nd	nd	30	310	-1	10	nd	-5	2	75
572	9673	7590	26	9	84	-0.1	-0.1	3	-1	nd	-10	20	28	nd	nd	nd	40	350	-1	25	nd	-5	3	20
576	9678	7585	24	8	119	-0.1	-0.1	3	-1	nd	25	20	29	nd	nd	nd	50	320	-1	15	nd	-5	2	15
578	9681	7583	27	10	90	-0.1	0.2	3	-1	nd	-10	20	30	nd	nd	nd	50	260	-1	10	nd	-5	2	20
580	9727	7384	9	6	36	-0.2	-0.1	5	-1	13	nd	17	nd	49	7790	203	-5	40	-1	nd	31	-5	3	20
582	9731	7385	9	7	46	-0.2	-0.1	4	-1	12	nd	17	nd	47	7710	270	-5	50	-1	nd	25	-5	2	10
585	10008	7570	30	16	102	-0.1	-0.1	5	-1	nd	-10	20	48	nd	nd	nd	60	760	-1	25	nd	-5	3	40
602	9800	7402	16	3	15	-0.2	-0.1	4	-1	4	-10	19	nd	51	8330	187	10	60	-1	nd	30	-5	2	15
604	9797	7401	15	3	13	-0.2	-0.1	4	-1	6	-10	15	nd	42	8120	163	10	70	-1	nd	34	-5	2	20
604	9797d	7401d	14	6	13	-0.2	-0.1	5	-1	nd	-10	17	nd	48	8350	178	nd	nd	-1	nd	31	nd	nd	nd

Map number	Field number	Lab number	Cu	Pb	Zn	Au	Ag	Mo	Sb	As	As*	Co	Ni*	Ni	Fe	Mn	B	Ba	Cd	Cr*	Cr	Sn	W	Hg
609	10005	7589	20	2	22	-0.1	-0.1	4	-1	nd	-10	20	22	nd	nd	nd	20	170	-1	10	nd	-5	2	40
610	9795	7400	28	4	35	-0.2	-0.1	3	-1	7	-10	19	nd	52	24500	447	30	280	-1	nd	58	-5	2	20
611	9793	7399	26	6	49	-0.2	-0.1	4	-1	7	-10	20	nd	51	25500	452	35	440	-1	nd	60	-5	3	15
613	9121	7361	20	34	44	-0.2	-0.1	5	-1	19	nd	21	nd	57	28100	510	50	320	-1	nd	64	-5	2	20
618	9393	7453	35	7	76	-0.2	-0.1	6	-1	40	31	25	nd	78	40200	727	45	480	-1	nd	121	-5	2	40
621	9389	7454	23	6	63	-0.2	-0.1	3	-1	11	-10	21	nd	48	37800	568	50	260	-1	nd	101	-5	2	20
623	9902	7448	35	12	139	-0.2	-0.1	6	-1	21	12	27	nd	66	49500	577	55	340	-1	nd	93	-5	3	70
624	9900	7450	19	7	49	-0.1	-0.1	5	-1	11	-10	17	nd	49	20000	385	25	150	-1	nd	61	-5	4	45
626	9897	7622	27	8	74	-0.1	-0.1	5	-1	nd	47	22	35	nd	nd	nd	35	360	-1	15	nd	-5	2	50
630	9894	7469	24	6	56	-0.2	-0.1	6	-1	17	20	20	nd	55	20400	323	35	150	-1	nd	42	-5	2	45
631	9890	7443	24	6	105	-0.2	-0.1	4	-1	8	-10	22	nd	50	51600	523	65	490	-1	nd	113	-5	2	25
632	9888	7449	21	9	62	-0.2	-0.1	6	-1	30	17	18	nd	53	21800	357	30	130	-1	nd	61	-5	3	40
636	13760	9499	23	8	84	-0.1	-0.1	5	-1	nd	-10	12	nd	31	36200	647	50	430	2	nd	182	-5	2	30
639	13373	7545	38	10	126	-0.1	0.1	5	-1	7	14	23	52	nd	nd	nd	55	690	-1	20	nd	-5	2	300
643	13378	7544	38	9	125	-0.1	-0.1	7	-1	10	17	24	52	nd	nd	nd	60	600	1	25	nd	-5	2	20
646	13382	7549	29	9	153	-0.1	0.1	6	-1	7	14	20	40	nd	nd	nd	45	460	-1	15	nd	-5	2	10
650	13562	9471	41	11	93	-0.1	-0.1	3	-1	nd	-10	22	nd	46	49600	2360	100	700	3	nd	303	-5	2	40
650	13562d	9471d	42	10	94	-0.1	-0.1	4	-1	nd	-10	22	nd	47	49600	2360	nd	nd	3	nd	298	nd	nd	nd
671	13765	9500	36	7	81	-0.1	-0.1	4	-1	nd	-10	21	nd	38	54300	2220	90	470	2	nd	279	-5	3	40
674b	13353	7424	27	6	65	-0.2	-0.1	4	-1	11	nd	22	nd	56	35000	582	70	410	-1	nd	77	-5	2	25
678	13357	7427	37	7	83	-0.2	-0.1	2	-1	12	nd	27	nd	48	59400	2000	100	450	-1	nd	105	-5	2	30
682	13362	7431	36	4	82	-0.2	-0.1	2	-1	14	nd	29	nd	49	65800	1320	100	330	-1	nd	94	-5	3	20
682	13362d	7431d	36	6	88	0.2	-0.1	2	-1	nd	-10	30	nd	51	66100	1390	nd	nd	-1	nd	90	nd	nd	nd
683	13364	7429	27	6	97	-0.2	-0.1	3	-1	12	nd	21	nd	49	43200	1180	70	390	-1	nd	99	-5	3	20
684	13743	9498	32	8	72	-0.1	-0.1	4	-1	nd	-10	14	nd	33	35200	657	55	610	2	nd	218	-5	2	25
685	13512	9463	38	7	115	-0.1	-0.1	3	-1	nd	-10	28	nd	43	66900	1570	90	400	3	nd	279	-5	3	15
688	13508	9462	41	9	107	-0.1	-0.1	2	-1	nd	10	29	42	nd	68600	1840	105	420	3	nd	255	-5	2	10
693	9073	7348	42	6	106	-0.2	-0.1	3	-1	18	nd	32	nd	58	82800	1950	100	480	-1	nd	146	-5	3	25
693	9073d	7348d	43	8	105	-0.2	-0.1	2	-1	nd	nd	33	nd	55	72000	1720	nd	nd	-1	nd	115	nd	nd	nd
697	9078	7349	40	9	93	-0.2	-0.1	3	-1	20	nd	30	nd	60	66100	1510	100	510	-1	nd	126	-5	2	20
698	9080	7347	34	7	93	-0.2	-0.1	3	-1	14	nd	27	nd	56	61800	1490	100	620	-1	nd	132	-5	2	20
703	9082	7350	21	8	85	-0.2	-0.1	4	-1	18	nd	22	nd	53	39300	760	50	340	-1	nd	957	-5	2	20
706	13335	7417	29	7	63	-0.2	-0.1	3	-1	12	nd	19	nd	36	37100	676	50	490	-1	nd	104	-5	2	15
708	13254	7419	24	8	86	-0.2	0.1	2	-1	11	nd	25	nd	51	52800	844	50	500	-1	nd	158	-5	2	15
710	9084	7351	22	7	64	-0.2	-0.1	4	-1	9	nd	22	nd	55	41600	763	50	330	-1	nd	103	-5	2	20
712	9111	7358	19	8	83	-0.2	-0.1	4	-1	10	nd	17	nd	54	32700	586	50	430	-1	nd	119	-5	3	40
712	9111d	7358d	20	8	66	0.2	-0.1	4	-1	nd	nd	18	nd	52	31100	578	nd	nd	-1	nd	123	nd	nd	nd
717	13251	7416	25	8	44	-0.1	-0.1	4	-1	22	-10	20	nd	31	21600	592	50	150	-1	nd	85	-5	3	10
718	13227	7402	24	9	124	-0.2	-0.1	3	-1	12	nd	18	nd	43	34100	680	50	240	-1	nd	108	-5	2	20
721	13224	7421	35	7	46	-0.2	-0.1	2	-1	10	nd	22	nd	45	33500	1230	100	180	-1	nd	89	-5	3	15
721	13224d	7421d	33	11	47	-0.2	-0.1	3	-1	nd	-10	20	nd	46	32000	1220	nd	nd	-1	nd	91	nd	nd	nd
728	9132	7375	32	12	62	-0.2	-0.1	3	-1	15	nd	24	nd	56	41900	927	70	220	-1	nd	119	-5	4	15
731	9117	7360	35	11	55	-0.2	-0.1	4	-1	20	nd	21	nd	53	34800	828	20	240	-1	nd	135	-5	3	10
737	9398	7455	45	12	85	-0.2	-0.1	3	-1	26	12	24	nd	53	53200	842	50	430	-1	nd	77	-5	2	90
740	13522	9465	36	8	90	-0.1	-0.1	4	-1	nd	-10	20	nd	46	49200	871	70	460	3	nd	332	-5	3	10
744	13659	9485	18	6	70	-0.1	-0.1	3	-1	nd	-10	15	nd	39	39400	777	55	370	3	nd	276	-5	2	20
746	9538	7376	22	5	58	-0.2	-0.1	3	-1	20	nd	20	nd	46	42600	802	70	360	-1	nd	98	-5	3	10
753	13649	9484	55	7	33	-0.1	-0.1	4	-1	nd	-10	10	nd	21	23300	618	40	430	1	nd	246	-5	2	30
756	9530	7364	32	10	48	-0.2	-0.1	4	-1	12	nd	15	nd	49	31500	605	100	320	-1	nd	119	-5	2	20
761	9104	7356	29	7	48	-0.2	-0.1	4	-1	10	nd	17	nd	46	31200	620	20	330	-1	nd	118	-5	2	20
767a	9108	7357	9	6	32	-0.2	-0.1	5	-1	26	nd	13	nd	44	10100	250	-5	180	-1	nd	63	-5	4	20
774	9919	7446	28	6	83	-0.2	-0.1	3	-1	12	-10	14	nd	35	30500	501	55	380	-1	nd	172	-5	2	30
778	9924	7444	28	11	108	-0.2	-0.1	5	-1	23	24	17	nd	49	33700	490	50	410	-1	nd	111	-5	2	20
779	9767	7393	26	14	71	-0.2	-0.1	3	-1	13	-10	16	nd	43	23900	476	55	450	-1	nd	78	-5	2	30
782	9763	7392	26	10	75	-0.2	-0.1	3	-1	15	14	17	nd	42	27300	473	60	430	-1	nd	77	-5	3	60

Map number	Field number	Lab number	Cu	Pb	Zn	Au	Ag	Mo	Sb	As	As*	Co	Ni*	Ni	Fe	Mn	B	Ba	Cd	Cr*	Cr	Sn	W	Hg
785	9758	7391	18	5	46	-0.2	-0.1	4	-1	15	nd	17	nd	44	21100	397	15	200	-1	nd	81	-5	3	20
785	9758d	7391d	19	6	45	-0.2	-0.1	4	-1	nd	nd	18	nd	44	21000	397	nd	nd	-1	nd	80	nd	nd	10
789	9754	7390	6	3	22	-0.2	-0.1	5	-1	10	nd	18	nd	48	5680	202	-5	360	-1	nd	68	-5	3	20
794	9771	7394	94	15	65	-0.2	-0.1	3	-1	15	-10	19	nd	37	25700	723	50	420	-1	nd	76	-5	3	40
797	9774	7395	46	8	85	-0.2	-0.1	4	-1	35	29	16	nd	34	24700	653	50	420	-1	nd	76	-5	2	30
801	9780	7396	35	10	132	-0.2	-0.1	4	-1	23	25	18	nd	45	29700	573	85	470	-1	nd	100	-5	2	30
805	9784	7397	35	10	92	-0.2	-0.1	3	-1	15	15	17	nd	40	34300	654	65	440	-1	nd	86	-5	2	30
808	9788	7398	45	9	83	-0.2	-0.1	3	-1	15	15	19	nd	46	38700	625	60	660	-1	nd	100	-5	2	30
813	13605	9504	18	3	70	-0.1	-0.1	2	-1	nd	-10	17	nd	33	48400	1020	60	270	1	nd	100	-5	2	30
816	13695	9489	22	6	68	-0.1	-0.1	4	-1	nd	-10	15	nd	31	41400	1070	50	400	2	nd	427	-5	3	5
819	13810	9505	19	4	102	-0.1	-0.1	3	-1	nd	-10	19	nd	30	55900	1280	65	350	2	nd	315	-5	2	5
821	13813	9506	18	4	83	-0.1	-0.1	3	1	nd	-10	16	nd	33	48300	965	60	380	2	nd	386	-5	2	5
822	13773	9501	14	7	62	-0.1	-0.1	4	-1	nd	-10	15	nd	30	38500	922	85	350	1	nd	384	-5	3	5
822	13773d	9501d	14	7	61	-0.1	-0.1	3	-1	nd	-10	14	nd	29	37700	910	nd	nd	1	nd	375	nd	nd	10
824	13902	9523	24	11	136	-0.1	-0.1	5	-1	nd	15	23	nd	57	34800	909	60	900	2	nd	477	-5	2	10
827	13698	9522	26	74	99	-0.1	-0.1	8	-1	nd	21	12	nd	39	26400	401	55	1160	2	nd	403	-5	3	10
832	13698	9490	32	7	116	-0.1	-0.1	5	-1	nd	-10	17	nd	51	28300	790	65	840	2	nd	558	-5	2	15
834	13889	9520	27	6	78	-0.1	-0.1	4	-1	nd	-10	14	nd	38	34600	744	55	720	1	nd	389	-5	3	5
837	13893	9521	25	6	93	-0.1	-0.1	6	-1	nd	-10	12	nd	42	25700	573	55	1430	2	nd	410	-5	4	20
837	13893d	9521d	28	6	99	-0.1	-0.1	7	-1	nd	-10	11	nd	43	27000	606	nd	nd	2	nd	434	nd	nd	10
840	13878	9517	22	8	70	-0.1	-0.1	5	-1	nd	-10	11	nd	29	28900	755	50	680	2	nd	372	-5	2	10
842	13881	9518	23	7	70	-0.1	-0.1	5	-1	nd	-10	13	nd	34	31400	834	50	680	2	nd	440	-5	2	10
844	13884	9519	15	7	96	-0.1	-0.1	5	-1	nd	-10	14	nd	30	41700	866	50	540	2	nd	412	-5	3	5
850	13680	9488	18	10	96	-0.1	-0.1	5	-1	nd	-10	14	nd	29	27500	610	50	760	2	nd	296	-5	2	5
854	13675	9487	20	9	75	-0.1	-0.1	5	-1	nd	-10	13	nd	31	25900	733	45	720	2	nd	300	-5	2	10
862	13666	9486	20	11	84	-0.1	-0.1	3	-1	nd	-10	13	nd	27	31300	425	65	300	2	nd	413	-5	3	5
873	13907	9524	17	3	86	-0.1	-0.1	4	-1	nd	-10	10	nd	15	26900	615	60	980	-1	nd	424	-5	3	10
885	13715	9493	19	8	73	-0.1	-0.1	2	-1	nd	-10	24	nd	36	37300	1370	80	350	2	nd	352	-5	3	10
888	13711	9492	23	9	75	-0.1	-0.1	3	-1	nd	-10	30	nd	42	41500	1370	90	350	3	nd	359	-5	3	5
891	13706	9491	23	7	76	-0.1	-0.1	3	-1	nd	-10	35	nd	42	42300	1400	95	370	2	nd	378	-5	2	10
891	13706d	9491d	23	8	70	-0.1	-0.1	2	-1	nd	-10	33	nd	39	39800	1470	nd	nd	2	nd	351	nd	nd	10
902	13859	9514	10	5	43	-0.1	-0.1	3	-1	nd	-10	10	nd	28	29700	966	50	370	2	nd	484	-5	2	5
911	13785	9503	9	7	44	-0.1	-0.1	4	-1	nd	-10	10	nd	22	29500	1060	70	320	1	nd	388	-5	2	5
927	13920	9525	7	2	56	-0.1	-0.1	2	-1	nd	-10	23	nd	-10	34900	1430	55	370	-1	nd	540	-5	4	5
932	13867	9516	24	7	114	-0.1	-0.1	3	-1	nd	-10	35	nd	48	45300	1180	60	360	3	nd	424	-5	3	5
935	13823	9526	44	4	495	-0.1	-0.1	3	-1	nd	-10	153	nd	244	36300	5140	80	650	6	nd	438	5	3	5
937	13927	9527	23	4	167	-0.1	-0.1	3	-1	nd	-10	58	nd	71	36900	1660	70	380	-1	nd	352	-5	2	5
949	13849	9512	14	8	94	-0.1	-0.1	3	-1	nd	-10	28	nd	47	37000	996	80	380	2	nd	424	-5	2	5
957	13856	9513	11	6	59	-0.1	-0.1	4	-1	nd	-10	15	nd	25	27900	650	50	800	1	nd	446	-5	3	5
961	13837	9511	31	7	90	-0.1	-0.1	6	-1	nd	-10	10	nd	26	57500	428	70	1220	2	nd	445	-5	3	5
961	13837d	9511d	32	7	90	-0.1	-0.1	5	-1	nd	-10	10	nd	26	56900	422	nd	nd	2	nd	441	nd	nd	10
966	13831	9510	15	8	38	-0.1	-0.1	3	4	nd	-10	10	nd	28	24200	579	40	800	1	nd	469	-5	2	10
967	13826	9509	16	10	44	-0.1	-0.1	3	-1	nd	-10	10	nd	25	23900	543	50	780	2	nd	485	-5	3	15
972	13823	9508	17	8	71	-0.1	-0.1	4	-1	nd	-10	10	nd	32	30700	470	50	990	2	nd	497	-5	2	10
980	13727	9494	13	8	51	-0.1	-0.1	4	-1	nd	-10	10	nd	30	46500	995	60	620	2	nd	502	-5	3	10
988	13579	9474	42	9	78	-0.1	-0.1	5	-1	nd	-10	10	nd	40	38100	917	60	530	2	nd	481	-5	3	10
991	13585	9476	33	12	94	-0.1	-0.1	4	-1	nd	-10	29	nd	56	32700	967	65	1000	3	nd	382	-5	3	15
994	13730	9495	23	11	125	-0.1	-0.1	4	-1	nd	-10	20	nd	54	42400	655	60	760	3	nd	526	-5	6	10
1000	13503	7539	35	13	95	-0.1	-0.1	5	-1	32	-10	23	44	nd	nd	nd	50	960	-1	40	nd	-5	2	10
1004	13496	7529	26	5	50	-0.1	-0.1	3	-1	28	-10	23	nd	nd	nd	nd	70	280	-1	40	nd	-5	2	5
1006a	13862	7515	17	6	54	-0.1	-0.1	3	-1	nd	-10	13	nd	28	39600	1520	85	290	1	nd	433	-5	3	10
1011	13457	7525	52	10	84	-0.1	-0.1	3	-1	52	-10	13	nd	nd	nd	nd	85	280	-1	nd	102	-5	2	65
1017	13462	7546	24	10	48	-0.1	-0.1	5	-1	40	-10	16	nd	nd	nd	nd	60	210	-1	30	nd	-5	2	5
1020	13466	7532	32	9	50	-0.1	-0.1	4	-1	50	-10	19	22	nd	nd	nd	60	240	-1	30	nd	-5	2	10
1023	13483	7533	32	10	80	-0.1	-0.1	3	-1	53	-10	26	33	nd	nd	nd	80	280	-1	40	nd	-5	3	5

Map number	Field number	Lab number	Cu	Pb	Zn	Au	Ag	Mo	Sb	As	As*	Co	Ni*	Ni	Fe	Mn	B	Ba	Cd	Cr*	Cr	Sn	W	Hg
1024	13481	7524	37	6	88	-0.1	-0.1	4	-1	42	36	31	nd	nd	nd	nd	75	310	-1	nd	115	-5	2	10
1028	13477	7543	43	9	68	-0.1	-0.1	6	-1	40	21	33	36	nd	nd	nd	50	300	-1	40	nd	-5	3	5
1034	13491	7534	30	7	67	-0.1	-0.1	3	-1	37	17	23	34	nd	nd	nd	75	280	-1	30	nd	-5	3	10
1035	13625	9479	38	5	85	-0.1	-0.1	1	-1	nd	-10	24	38	nd	51100	1310	85	330	3	nd	324	-5	3	10
1036	13489	7530	41	6	75	-0.1	-0.1	4	-1	40	27	27	nd	nd	nd	nd	80	250	-1	nd	337	-5	3	5
1044	13632	9481	10	7	69	-0.1	-0.1	3	-1	nd	13	10	nd	20	32800	1100	50	410	1	nd	337	-5	3	10
1044	13632d	9481d	10	7	69	-0.1	-0.1	3	-1	nd	13	10	nd	20	32800	1100	50	410	1	nd	337	-5	3	10
1047	13628	9480	7	8	36	-0.1	-0.1	2	-1	nd	15	10	nd	24	36300	1210	nd	nd	2	nd	357	nd	nd	nd
1048	13736	9496	6	8	30	-0.1	-0.1	2	-1	nd	-10	-10	nd	19	20800	386	40	450	1	nd	398	-5	4	15
1054	13582	9475	45	8	51	-0.1	-0.1	3	-1	nd	-10	-10	nd	14	20600	599	50	490	2	nd	316	-5	3	5
1055	9936	7441	55	11	68	-0.1	-0.1	4	-1	nd	-10	14	nd	32	32500	973	65	340	2	nd	314	-5	2	15
1055	9936d	7441d	55	11	68	-0.1	-0.1	4	-1	nd	-10	14	nd	32	32500	973	65	340	2	nd	314	-5	2	15
1057	9928	7442	53	9	69	0.2	0.2	3	-1	12	-10	20	nd	44	36400	731	65	320	-1	nd	129	-5	3	40
1057	9928d	7442d	53	9	69	0.2	0.2	3	-1	12	-10	20	nd	44	36400	731	65	320	-1	nd	129	-5	3	40
1062	9932	7471	42	5	104	-0.2	-0.1	4	-1	75	-10	12	nd	20	26100	565	60	590	-1	nd	130	nd	nd	nd
1062	9932d	7471d	42	5	104	-0.2	-0.1	4	-1	75	-10	12	nd	20	26100	565	60	590	-1	nd	130	nd	nd	nd
1067b	9550	7366	19	9	67	-0.2	-0.1	3	-1	25	24	25	nd	62	49300	682	75	350	-1	nd	119	-5	2	55
1069	9558	7368	21	10	66	-0.2	-0.1	4	-1	13	nd	22	nd	59	49200	813	50	350	-1	nd	99	nd	nd	nd
1069	9558d	7368d	22	10	65	-0.2	-0.1	3	-1	14	nd	24	nd	56	48100	755	50	340	-1	nd	125	-5	2	20
1071	9554	7367	16	9	52	-0.2	-0.1	3	-1	nd	nd	25	nd	54	47500	768	nd	nd	-1	nd	121	nd	nd	nd
1076	13439	7541	29	10	59	-0.1	-0.1	3	-1	30	17	20	nd	54	41800	842	50	310	-1	nd	90	-5	2	10
1076	13439d	7541d	29	10	59	-0.1	-0.1	3	-1	30	17	20	nd	54	41800	842	50	310	-1	nd	90	-5	2	10
1078	13452	7535	46	12	73	-0.1	-0.1	2	-1	nd	18	23	nd	nd	nd	nd	nd	nd	-1	nd	nd	nd	nd	nd
1083	13446	7550	92	11	61	-0.1	-0.1	3	-1	33	25	21	nd	32	nd	nd	45	360	-1	nd	nd	-5	2	5
1087	13741	9497	40	7	61	-0.1	-0.1	4	-1	65	81	23	nd	32	33600	1020	55	600	-1	20	nd	-5	3	45
1088	9882	7409	70	8	104	-0.2	-0.1	2	-1	15	13	22	nd	43	47100	974	75	360	-1	nd	110	-5	11	20
1097	9974	7408	36	5	106	-0.2	-0.1	2	-1	17	19	21	nd	60	28800	389	50	280	-1	nd	58	-5	2	50
1100	9589	7377	19	10	60	-0.2	-0.1	4	-1	11	nd	18	nd	58	33800	599	50	480	-1	nd	91	-5	2	15
1113	9580	7374	23	13	59	-0.2	-0.1	5	-1	11	nd	22	nd	77	38100	844	50	680	-1	nd	136	-5	3	30
1116	9585	7372	20	10	64	-0.2	-0.1	4	-1	13	nd	20	nd	65	37400	607	20	500	-1	nd	128	-5	3	20
1120	10050	7566	38	7	79	-0.1	-0.1	2	-1	nd	-10	26	nd	36	nd	nd	75	290	-1	20	nd	-5	2	20
1121	13303	7436	42	8	119	-0.2	-0.1	2	-1	6	-10	27	nd	50	65900	919	80	300	-1	nd	79	-5	3	15
1131	13308	7430	26	5	96	-0.2	-0.1	3	-1	9	-10	23	nd	33	40900	800	70	210	-1	nd	78	-5	2	15
1133	10055	7576	24	6	44	-0.1	-0.1	3	-1	nd	-10	20	nd	44	nd	nd	50	270	-1	10	nd	-5	2	20
1138	13313	7434	31	7	86	-0.2	-0.1	3	-1	8	-10	21	nd	53	40100	761	65	260	-1	nd	70	-5	2	15
1141	13640	9463	27	7	81	-0.1	-0.1	3	-1	nd	-10	19	nd	48	48900	827	80	430	2	nd	259	-5	3	10
1145	13317	7437	32	7	58	-0.2	-0.1	3	-1	8	-10	21	nd	58	37300	646	60	260	-1	nd	70	-5	2	15
1152	9594	7373	38	13	73	-0.2	-0.1	3	-1	20	nd	23	nd	58	49100	846	100	360	-1	nd	132	-5	2	20
1157	13222	7430	40	5	69	-0.2	-0.1	3	-1	20	nd	22	nd	56	44800	743	70	290	-1	nd	87	-5	2	30
1163	13368	7433	31	8	81	-0.2	-0.1	2	-1	12	-10	26	nd	70	56300	737	90	450	-1	nd	112	-5	2	15
1166	13326	7422	39	7	73	-0.2	-0.1	2	-1	15	nd	25	nd	61	48700	704	100	320	-1	nd	87	-5	3	20
1170	13419	7547	34	9	79	-0.1	-0.1	2	-1	82	91	26	nd	70	nd	nd	75	480	-1	25	nd	-5	2	15
1176	9964	7406	31	7	93	-0.2	-0.1	2	-1	15	-10	26	nd	70	56600	619	80	440	-1	nd	110	-5	3	10
1182a	13423	7536	29	10	71	-0.1	-0.1	2	-1	50	38	24	nd	63	51600	749	75	380	-1	nd	93	-5	2	5
1182b	9970	7407	20	9	78	-0.2	-0.1	2	-1	25	15	23	nd	63	51600	749	75	380	-1	nd	93	-5	2	5
1186	13543	9469	30	6	94	-0.1	-0.1	3	-1	nd	-10	22	nd	50	52500	863	80	440	4	nd	326	-5	2	5
1188	13546	9470	26	7	82	-0.1	-0.1	3	-1	nd	-10	17	nd	11	44800	880	65	400	3	nd	328	-5	3	15
1193	13330	7411	28	5	57	-0.2	-0.1	2	-1	12	-10	20	nd	51	39500	697	70	280	-1	nd	76	-5	3	35
1193	13330d	7411d	28	5	57	-0.2	-0.1	2	-1	12	-10	20	nd	51	39500	697	70	280	-1	nd	76	-5	3	35
1195	13634	9482	23	7	57	-0.1	-0.1	4	-1	nd	-10	15	nd	38	42500	772	nd	nd	-1	nd	86	nd	nd	nd
1201	13569	9472	26	6	55	-0.1	-0.1	3	-1	nd	-10	15	nd	38	37400	838	65	290	2	nd	263	-5	2	20
1204	13573	9473	31	7	82	-0.1	-0.1	3	-1	nd	-10	21	nd	33	36500	731	60	310	2	nd	228	-5	2	20
1207	13340	7432	35	7	61	-0.2	-0.1	3	-1	13	-10	21	nd	55	49500	829	85	410	3	nd	345	-5	3	15
1208	13514	9464	22	9	84	-0.1	-0.1	3	-1	13	-10	18	nd	46	49500	898	75	250	-1	nd	98	-5	2	20
1214	13344	7428	24	5	53	-0.2	-0.1	2	-1	14	nd	19	nd	48	33800	683	50	220	-1	nd	97	-5	2	15
1218	13349	7438	25	8	52	-0.2	-0.1	3	-1	8	-10	18	nd	45	31200	686	55	220	-1	nd	84	-5	2	10

Map number	Field number	Lab number	Cu	Pb	Zn	Au	Ag	Mo	Sb	As	As*	Co	Ni*	Ni	Fe	Mn	B	Ba	Cd	Cr*	Cr	Sn	W	Hg
1219	13538	9468	181	34	257	-0.1	-0.1	5	-1	nd	94	15	nd	27	53500	960	170	460	3	nd	340	-5	4	10
1227	13535	9467	38	18	65	-0.1	-0.1	4	-1	nd	-10	14	nd	26	36800	854	60	410	2	nd	306	-5	3	10
1230	13470	7531	24	17	56	0.1	0.1	3	-1	11	-10	13	nd	nd	nd	nd	20	430	-1	nd	86	-5	2	15
1230	13470d	7531d	25	17	46	0.1	0.1	2	-1	nd	-10	13	nd	nd	nd	nd	nd	nd	-1	nd	nd	-5	nd	nd
1237	13527	9466	22	10	35	-0.1	-0.1	2	-1	nd	-10	11	nd	23	24600	683	35	490	2	nd	312	-5	3	10
1249	13589	9477	28	10	84	-0.1	-0.1	5	2	nd	12	13	nd	34	30400	553	50	710	3	nd	339	-5	4	15
1251	13398	9476	43	13	51	-0.1	-0.1	4	-1	7	-10	18	nd	nd	nd	nd	50	440	-1	nd	87	-5	3	10
1252	13395	7527	36	17	79	-0.1	-0.1	4	-1	7	25	15	nd	28	nd	nd	45	420	-1	40	124	-5	3	20
1260	13410	7538	29	9	88	-0.1	-0.1	2	-1	10	-10	25	61	nd	nd	nd	80	410	-1	15	nd	-5	2	75
1262	10045	7578	28	8	66	-0.1	-0.1	2	-1	nd	-10	22	50	nd	nd	nd	75	360	-1	20	nd	-5	3	25
1264	10042	7577	35	8	65	-0.1	-0.1	2	-1	nd	-10	23	45	nd	nd	nd	70	340	-1	20	nd	-5	3	20
1268	10037	7571	51	9	64	-0.1	-0.1	3	-1	nd	-10	23	40	nd	nd	nd	70	350	-1	20	nd	-5	4	30
1268	10037d	7571d	51	8	64	-0.1	-0.1	2	-1	nd	-10	23	40	nd	nd	nd	nd	nd	-1	nd	nd	-5	nd	nd
1271	10033	7567	69	8	74	-0.1	-0.1	2	-1	nd	-10	24	40	nd	nd	nd	75	410	-1	20	nd	-5	3	25
1274	10030	7560	99	11	65	-0.1	-0.1	3	-1	nd	-10	26	40	nd	nd	nd	80	450	-1	20	nd	-5	2	30
1277	13430	7540	34	11	86	-0.1	-0.1	2	-1	10	-10	27	48	nd	nd	nd	90	430	-1	25	nd	-5	2	35
1281	13258	7439	43	16	64	-0.2	-0.1	5	-1	16	-10	19	nd	51	33900	664	50	370	-1	nd	69	-5	3	20
1284	13262	7414	46	11	68	-0.2	-0.1	3	-1	22	nd	22	nd	50	36400	647	50	340	-1	nd	66	-5	5	25
1287	13434	7548	28	9	97	-0.1	-0.1	3	-1	8	-10	29	64	nd	nd	nd	95	550	-1	20	nd	-5	2	10
1289	13265	7426	41	9	74	-0.2	-0.1	3	-1	16	nd	24	nd	52	42800	694	100	450	-1	nd	83	-5	3	20
1297a	13274	7425	39	10	74	-0.2	-0.1	2	-1	24	nd	25	nd	61	50400	723	100	320	-1	nd	90	-5	2	15
1297b	10047	7579	34	8	85	-0.1	-0.1	2	-1	nd	-10	24	51	nd	nd	nd	70	360	-1	20	nd	-5	3	20
1301	13427	7528	36	9	100	-0.1	-0.1	3	-1	11	-10	27	nd	nd	nd	nd	70	390	-1	nd	64	-5	3	20
1302	13279	7423	29	8	63	-0.2	-0.1	2	-1	13	nd	20	nd	47	33000	610	70	360	-1	nd	95	-5	2	20
1305	13388	7542	29	17	106	-0.1	-0.1	3	-1	70	-10	20	40	nd	nd	nd	45	390	-1	20	nd	-5	2	15
1308	13591	9478	19	6	123	-0.1	-0.1	3	-1	nd	-10	21	nd	73	54600	426	100	480	3	nd	366	-5	3	5
1312	13413	7537	35	12	96	-0.1	-0.1	2	-1	11	-10	29	52	nd	nd	nd	90	470	-1	25	nd	-5	2	10

APPENDIX C. Summary statistics and probability plots for 1,319 stream-sediment samples from the Chandalar C-5 and C-6 Quadrangles.

Computations for the trace elements use only unqualified values and are presented alphabetically. The total number of values used is listed as '# observations' or 'number of valid cases.' Summary statistics of the duplicate sample analytical values are shown separately. The symbols Ni*, Cr*, B*, and Ba* indicate Bondar-Clegg analyses.

Summary statistics are divided into basic and ordered statistics sections and were computed using a 95-percent confidence interval on the mean. The basic statistics section lists the number of observations, number of missing values, sum, mean, variance, standard deviation, coefficient of skewness, coefficient of kurtosis, coefficient of variation, standard error of the mean and upper and lower limits of the 95-percent confidence interval. The ordered statistics section lists the maximum value, minimum value, range, midrange, median value, 25th and 75th percentile values (Tukey's hinges), midspread (range between these hinges), midmean (mean of midspread values) and trimean (mean of the middle third of the ordered data).

Histograms were plotted using eight to ten intervals of values with the parameters listed. The first histogram was derived from the unqualified values for the element, and the second histogram from the log transforms of these values. A normal distribution curve overlay is shown on histograms with sufficient degrees of freedom.

The cumulative frequency diagrams are plots of log transforms on an arithmetic scale. Frequencies are cumulated from the lowest to highest values. The Lepeltier method was used to select thresholds and to compile the anomalous samples and elements of plate 2. The Sinclair method was also applied to select thresholds and plot anomalies (pl. 3) and to interpret the distribution of values of each element sample. Inflection points used for this method are indicated by arrows. Partitioned populations are represented by the line segments labeled A (highest), B, C, and so forth, followed by their respective percentages (in parentheses). The tables below the diagrams show the map symbols, anomaly thresholds, and ranges, estimated population parameters, and types of values used in compiling plate 3.

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	ANTIMONY					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	86	0	1006.00000	11.69767	573.03694	23.93819
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	4.60194	26.65250	204.64059	2.58132	<u>lower limit</u>	<u>upper limit</u>
(dups)					6.5416	16.33119
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	179.00000	1.00000	178.00000	90.00000	4.00000	
(dups)						
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	2.00000	7.00000	3.97727	4.25000	5.00000	
(dups)						

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>	<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	26.429	75	62.853	2.348	-Infinity	0.322	26	22.915	0.415
26.429	51.857	6	19.130	9.012	0.322	0.644	25	19.243	1.723
51.857	77.286	4	3.753	0.241	0.644	0.966	16	19.519	0.635
77.286	102.714	0	0.258		0.966	1.287	5	13.977	5.766
102.714	128.143	0	0.006		1.287	1.609	6	7.064	0.160
128.143	153.571	0	0.000		1.609	1.931	7	2.520	6.786
153.571	Infinity	1	0.000		1.931	Infinity	1	0.762

Antimony-Stream Sediment

LOG Sb

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Sb ¹	156	100 (A)	Anomalous
Sb ²	71	90 (A)	Anomalous
Sb	36	100 (B)	A population
	< 14	< 0 (A)	B population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	ARSENIC					
<u>Basic Statistics:</u>	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	383	937	10605.00000	27.68930	1560.30897	39.50075
(dups)	28	130	764.00000	27.28571	1604.43386	40.05538
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	7.76575	81.65173	142.65710	2.01839	<u>lower limit</u>	<u>upper limit</u>
(dups)	3.79597	15.19656	146.79984	7.56976	11.75019	42.82124
<u>Order Statistics:</u>	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	519.00000	1.00000	518.00000	260.00000	19.00000	
(dups)	214.00000	1.00000	213.00000	107.50000	12.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	11.00000	31.00000	19.56995	20.00000	20.00000	
(dups)	10.50000	36.50000	16.42857	17.75000	26.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
1.000	52.800	345		
52.800	104.600	32		
104.600	156.400	2		
156.400	208.200	1		
208.200	260.000	1		
260.000	311.800	0		
311.800	363.600	0		
363.600	415.400	1		
415.400	467.200	0		
467.200	519.000	1

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-infinity	0.272	4	2.268	
0.272	0.543	17	10.697	4.979
0.543	0.815	17	35.951	9.990
0.815	1.086	69	76.423	0.721
1.086	1.358	125	102.814	4.787
1.358	1.629	96	87.563	0.813
1.629	1.901	38	47.202	1.794
1.901	2.172	12	16.097	1.043
2.172	2.444	3	3.470	0.259
2.444	infinity	2	0.515

ARSENIC - STREAM SEDIMENT

PERCENT UNDER

NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
As ¹	133	100 (A)	Anomalous
	17 - 22	100 (E) - .2 (C)	D population
	< 4	< .2 (D)	E population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	BARIUM					
<u>Basic Statistics:</u>	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	659	661	229799.00000	348.70865	39064.09736	197.64639
(dups)	36	122	10319.00000	286.63889	33408.46587	182.77983
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	1.01659	.44262	56.67952	7.69921	<u>lower limit</u>	<u>upper limit</u>
(dups)	.82405	.15287	63.76658	30.46330	224.78073	348.49705
<u>Order Statistics:</u>	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	970.00000	19.00000	951.00000	494.50000	291.00000	
(dups)	753.00000	2.00000	751.00000	377.50000	255.00000	
	Tukeys Hinges			Tukeys Middlemeans		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	213.00000	453.00000	303.09063	312.00000	240.00000	
(dups)	159.00000	362.50000	254.55556	257.87500	203.50000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	114.100	39	77.506	19.130
114.100	209.200	114	80.747	13.694
209.200	304.300	197	112.670	63.119
304.300	399.400	116	125.274	0.687
399.400	494.500	50	110.992	33.516
494.500	589.600	47	78.360	12.550
589.600	684.700	42	44.081	0.098
684.700	779.800	26	19.758	1.972
779.800	874.900	16	7.056	35.170
874.900	Infinity	12	2.557

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.450	1	0.020	
1.450	1.620	0	0.256	
1.620	1.791	4	2.221	
1.791	1.962	18	12.463	4.320
1.962	2.133	40	45.344	0.630
2.133	2.304	83	107.040	5.399
2.304	2.474	198	164.053	7.024
2.474	2.645	145	163.292	2.049
2.645	2.816	108	105.556	0.057
2.816	Infinity	62	58.755	0.179

BARIUM - STREAM SEDIMENT

NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Ba ²	933	95(A)	Anomalous
Ba	823	100(B)	A population

Table :: SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	BARUM *					
<u>Basic Statistics:</u>	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	650	670	343046.00000	527.76308	112795.24424	335.85003
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	2.21737	6.56195	63.63652	13.17312	<u>lower limit</u>	<u>upper limit</u>
(dups)					501.89029	553.63587
<u>Order Statistics:</u>	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	2430.00000	70.00000	2360.00000	1250.00000	430.00000	
(dups)						
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	310.00000	630.00000	444.58896	450.00000	320.00000	
(dups)						

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	306.000	156	165.444	0.539
306.000	542.000	272	170.545	60.354
542.000	778.000	124	165.739	10.512
778.000	1014.000	48	100.276	27.253
1014.000	1250.000	21	37.752	7.434
1250.000	1486.000	11	8.836	34.346
1486.000	1722.000	8	1.284	
1722.000	1958.000	4	0.116	
1958.000	2194.000	3	0.006	
2194.000	Infinity	3	0.000

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.999	1	1.556	
1.999	2.153	6	8.464	0.911
2.153	2.307	25	33.613	2.207
2.307	2.461	95	87.425	0.656
2.461	2.615	178	149.018	5.636
2.615	2.769	160	166.525	0.256
2.769	2.923	104	122.007	2.658
2.923	3.078	49	58.596	1.571
3.078	3.232	20	18.438	0.132
3.232	Infinity	12	4.358	13.400

BARIUM * - STREAM SEDIMENT

PERCENT UNDER NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Ba * ²	2183	90 (A)	Anomalous

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	BORON					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev</u>
(originals)	698	622	58818.00000	84.26648	1489.82559	38.59826
(dups)	36	122	3067.00000	85.19444	986.96111	31.41594
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	.85236	3.22746	45.80500	1.46097	<u>lower limit</u>	<u>upper limit</u>
(dups)	-.16107	-.50936	36.87557	5.23599	74.56235	95.82654
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	352.00000	10.00000	342.00000	181.00000	82.00000	
(dups)	157.00000	22.00000	135.00000	89.50000	88.50000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	57.00000	107.00000	82.22571	82.00000	50.00000	
(dups)	62.00000	110.00000	87.88889	87.2500	48.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-infinity	44.200	99	104.439	0.283
44.200	78.400	223	202.400	2.097
78.400	112.600	226	229.605	0.057
112.600	146.800	111	124.838	1.534
146.800	181.000	33	32.458	0.009
181.000	215.200	2	4.018	0.711
215.200	249.400	3	0.235	
249.400	283.600	0	0.006	
283.600	317.800	0	0.000	
317.800	infinity	1	0.000

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-infinity	1.155	7	0.770	
1.155	1.309	21	4.935	87.128
1.309	1.464	21	22.788	0.140
1.464	1.619	38	69.062	13.971
1.619	1.773	113	137.450	4.349
1.773	1.928	168	179.735	0.766
1.928	2.083	227	154.446	34.084
2.083	2.237	94	87.203	0.530
2.237	2.392	8	32.340	18.319
2.392	Infinity	1	9.271	7.378

BORON - STREAM SEDIMENT

NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
B ¹	231	100 (A)	Anomalous
B ²	208	95 (A)	Anomalous
	< 16	< .2 (D)	E population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	BORON *					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	650	670	58696.00000	90.30154	1536.05069	39.19248
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	3.36050	31.93576	43.40179	1.53726	<u>lower limit</u>	<u>upper limit</u>
					87.28228	93.32080
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	555.00000	10.00000	545.00000	282.50000	85.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	70.00000	105.00000	86.57975	86.25000	35.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	64.500	114	165.856	16.213
64.500	119.000	432	333.337	29.203
119.000	173.500	85	139.831	21.501
173.500	228.000	15	10.831	5.868
228.000	282.500	2	0.144	
282.500	337.000	1	0.000	
337.000	391.500	0	0.000	
391.500	446.000	0	0.000	
446.000	500.500	0	0.000	
500.500	Infinity	1	0.000

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.174	2	0.019	
1.174	1.349	7	0.668	
1.349	1.523	10	9.998	6.470
1.523	1.698	37	64.908	11.999
1.698	1.827	145	184.284	8.374
1.827	2.047	324	229.997	38.421
2.047	2.221	104	126.335	3.949
2.221	2.395	19	30.445	4.303
2.395	2.570	1	3.198	0.541
2.570	Infinity	1	0.148

BORON * - STREAM SEDIMENT

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
B*1	398	>100 (A)	Anomalous
B*2	339	99.5 (A)	Anomalous
B*	191	100 (B)	A population
	72 - 137	100 (C) - 0 (A)	B population
	<45	<.2 (B)	C population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	CADMIUM					
<u>Basic Statistics:</u>	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	314	1006	609.00000	1.93949	2.74074	1.65552
(dups)	25	133	51.00000	2.04000	3.70667	1.92527
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	2.68618	8.90365	85.35834	.09343	<u>lower limit</u>	<u>upper limit</u>
(dups)	3.08872	9.98103	94.37601	.38505	1.75563	2.12335
					1.24510	2.83490
<u>Order Statistics:</u>	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	12.00000	1.00000	11.00000	6.50000	1.00000	
(dups)	10.00000	1.00000	9.00000	5.50000	1.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	1.00000	2.00000	1.32278	1.25000	1.00000	
(dups)	1.00000	2.00000	1.46154	1.25000	1.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	2.222	249	178.290	28.044
2.222	3.444	26	78.669	35.262
3.444	4.667	14	41.421	18.153
4.667	5.889	11	12.943	5.633
5.889	7.111	9	2.397	
7.111	8.333	1	0.263	
8.333	9.556	1	0.017	
9.556	10.778	2	0.001	
10.778	Infinity	1	0.000

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.120	185	123.385	30.769
0.120	0.240	0	56.792	56.792
0.240	0.360	64	52.232	2.651
0.360	0.480	26	39.099	4.388
0.480	0.600	0	23.821	23.821
0.600	0.719	25	11.812	14.726
0.719	0.839	5	4.766	7.433
0.839	0.959	6	1.565	
0.959	Infinity	3	0.528

CADMIUM - STREAM SEDIMENT

LOC Cd

PERCENT UNDER NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Cd ²	12	94 (A)	Anomalous
Cd	9	99.8 (B)	A population
	3-7	100 (C) - 0 (A)	B-population
	< 3	< 0 (B)	C population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	CHROMIUM					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	1146	174	42465.00000	37.05497	1070.52885	32.71894
(dups)	104	54	3631.00000	34.91346	176.04098	13.26804
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	12.11853	207.17787	88.29837	.96651	<u>lower limit</u>	<u>upper limit</u>
(dups)	1.26902	3.16324	38.00266	1.30104	32.33258	37.49434
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	704.00000	4.00000	700.00000	354.00000	32.00000	
(dups)	94.00000	10.00000	84.00000	52.00000	32.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	25.00000	42.00000	32.42683	32.75000	17.00000	
(dups)	26.00000	41.50000	32.96154	32.87500	15.50000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
4.000	67.636	1097		
67.636	131.273	40		
131.273	194.909	3		
194.909	258.545	2		
258.545	322.182	1		
322.182	385.818	1		
385.818	449.455	0		
449.455	513.091	0		
513.091	576.727	1		
576.727	640.364	0		
640.364	704.000	1

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.806	1	0.242	
0.806	1.010	6	6.742	0.000
1.010	1.214	59	71.517	2.191
1.214	1.419	288	288.318	0.000
1.419	1.623	489	446.354	4.075
1.623	1.827	254	266.354	0.573
1.827	2.031	37	60.996	9.440
2.031	2.235	5	5.303	7.765
2.235	2.439	3	0.173	
2.439	2.643	2	0.002	
2.643	Infinity	2	0.000

CHROMIUM - STREAM SEDIMENT

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Cr ¹	141	>100 (A)	Anomalous
Cr ²	104	97.5 (A)	Anomalous
Cr	89	100 (B)	A population
	24 - 38	>100 (D) - < 0 (B)	C population
	< 14	2 (C)	D population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	CHROMIUM *					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	233	1087	23600.00000	101.28755	1291.43851	35.93659
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	.86953	3.29141	35.47977	2.35428	<u>lower limit</u>	<u>upper limit</u>
(dups)					96.64802	105.92709
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	300.00000	50.00000	250.00000	175.00000	100.00000	
(dups)						
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	100.00000	100.00000	100.00000	100.00000	0.00000	
(dups)						

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	77.778	48	59.762	2.315
77.778	105.556	137	67.751	70.779
105.556	133.333	0	62.086	62.086
133.333	161.111	44	32.220	4.307
161.111	188.889	0	9.459	4.612
188.889	216.667	3	1.568	
216.667	244.444	0	0.146	
244.444	272.222	0	0.008	
272.222	Infinity	1	0.000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.480	83	31.400	84.797
0.480	0.730	0	18.459	18.459
0.730	0.979	0	23.581	23.581
0.979	1.229	0	27.361	27.361
1.229	1.478	0	28.834	28.834
1.478	1.728	39	27.598	4.710
1.728	1.978	0	23.992	23.992
1.978	2.227	108	18.943	418.693
2.227	Infinity	3	32.833	27.107

CHROMIUM * - STREAM SEDIMENT

LOG Cr *

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Cr * 2	178	.95 (A)	Anomalous
	26 - 177	0(A) - 95 (A)	A population
	< 26	< 0(A)	B population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	COBALT					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	1185	135	21952.00000	18.52489	146.83574	12.11758
(dups)	124	34	2143.00000	17.28226	34.17172	5.84566
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	9.67619	140.42269	65.41241	.35201	<u>lower limit</u>	<u>upper limit</u>
(dups)	1.19413	5.10854	33.82462	.52496	17.83411	19.21568
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	230.00000	3.00000	227.00000	116.50000	17.00000	
(dups)	48.00000	3.00000	45.00000	25.50000	17.00000	
	Tukeys Hinges			Tukeys Middlemeans		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	13.00000	21.00000	16.98651	17.00000	8.00000	
(dups)	13.50000	20.00000	16.83871	16.87500	6.50000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
3.000	23.636	1020		
23.636	44.273	144		
44.273	64.909	12		
64.909	85.545	4		
85.545	106.182	0		
106.182	126.818	3		
126.818	147.455	0		
147.455	168.091	0		
168.091	188.727	0		
188.727	209.364	0		
209.364	230.000	2

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.648	10	0.405	
0.648	0.820	8	9.500	6.617
0.820	0.991	16	87.701	58.620
0.991	1.162	348	316.952	3.041
1.162	1.334	553	452.446	22.348
1.334	1.505	203	255.821	10.906
1.505	1.676	32	57.041	10.993
1.676	1.848	7	4.966	18.952
1.848	2.019	3	0.167	
2.019	2.190	3	0.002	
2.190	Infinity	2	0.000

COBALT - STREAM SEDIMENT

LOG Co

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Co ¹	199	> 100 (A)	Anomalous
Co ²	111	98 (A)	Anomalous
Co	47	100 (B)	A population
	11-13	.5 (C) - .2 (A)	B population
	< 6	< 0 (B)	C population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	COPPER					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	1319	1	45996.00000	34.87187	803.20891	28.34094
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	11.34962	189.98321	81.27163	.78035	<u>lower limit</u>	<u>upper limit</u>
(dups)					33.34066	36.40308
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	583.00000	5.00000	578.00000	294.00000	31.00000	
(dups)						
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	24.00000	40.00000	31.24206	31.50000	16.00000	
(dups)						

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
5.000	57.545	1240		
57.545	110.091	63		
110.091	162.636	9		
162.636	215.182	3		
215.182	267.727	1		
267.727	320.273	1		
320.273	372.818	0		
372.818	425.364	0		
425.364	477.909	0		
477.909	530.455	0		
530.455	583.000	2

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.887	7	1.722	
0.887	1.075	19	23.631	0.017
1.075	1.263	112	145.113	7.556
1.263	1.450	408	389.708	0.859
1.450	1.638	525	459.987	9.189
1.638	1.826	206	238.845	4.517
1.826	2.014	25	54.370	15.865
2.014	2.202	10	5.389	23.008
2.202	2.390	4	0.231	
2.390	2.578	1	0.004	
2.578	Infinity	2	0.000

COPPER - STREAM SEDIMENT

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Cu ¹	172	100 (A)	Anomalous
Cu ²	143	99 (A)	Anomalous
Cu	121	100 (B)	A population
	36-42	100(D) - 0(B)	C population
	<12	<.3 (C)	D population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	IRON					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	1159	161	40755239	35164.14064	153278313.048	12380.56190
(dups)	104	54	3882990.00000	37336.44231	136382718.282	11678.30117
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	.24592	1.14338	35.20792	363.66260	<u>lower limit</u>	<u>upper limit</u>
(dups)	.68122	3.49490	31.27856	1145.15165	34450.47214	35877.80914
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	93300.00000	28.00000	93272.00000	46664.00000	35100.00000	
(dups)	90800.00000	4390.00000	86410.00000	47595.00000	37750.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	27400.00000	42900.00000	35216.69535	35125.00000	15500.00000	
(dups)	30500.00000	42950.00000	37219.23077	37237.50000	12450.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
1.447	1.767	1		
1.767	2.088	0		
2.088	2.408	0		
2.408	2.728	1		
2.728	3.048	0		
3.048	3.369	0		
3.369	3.689	6		
3.689	4.009	23		
4.009	4.329	107		
4.329	4.650	793		
4.650	4.970	228

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	8507.273	22	18.144	0.820
8507.273	16986.545	59	64.169	0.416
16986.545	25465.818	155	168.855	1.137
25465.818	33945.091	298	282.878	0.808
33945.091	42424.364	316	301.829	0.665
42424.364	50903.636	213	205.127	0.302
50903.636	59382.909	64	88.766	6.910
59382.909	67862.182	25	24.442	0.013
67862.182	76341.455	2	4.278	1.021
76341.455	84820.727	2	0.476	
84820.727	Infinity	3	0.035

IRON - STREAM SEDIMENT

IRON

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Fe ¹	78,884	100 (A)	Anomalous
Fe ²	73,142	98 (A)	Anomalous

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	LEAD					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	1317	3	14623.00000	11.10326	50.80088	7.12747
(dups)	117	41	1949.00000	16.65812	4197.03728	64.78455
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	8.50760	128.17255	64.19259	.19640	<u>lower limit</u>	<u>upper limit</u>
(dups)	10.61116	111.07094	388.90671	5.98933	10.71789	11.48864
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	142.00000	1.00000	141.00000	71.50000	10.00000	
(dups)	710.00000	2.00000	708.00000	356.00000	10.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	8.00000	13.00000	10.05615	10.25000	5.00000	
(dups)	8.00000	13.00000	10.25424	10.25000	5.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
1.000	13.818	1042		
13.818	26.636	253		
26.636	39.455	14		
39.455	52.273	5		
52.273	65.091	0		
65.091	77.909	1		
77.909	90.727	0		
90.727	103.545	0		
103.545	116.364	0		
116.364	129.182	1		
129.182	142.000	1

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.196	1	0.023	
0.196	0.391	4	1.115	
0.391	0.587	15	21.057	0.217
0.587	0.783	166	152.604	1.176
0.783	0.978	401	429.359	1.873
0.978	1.174	514	472.664	3.615
1.174	1.370	180	203.752	2.769
1.370	1.565	26	34.169	0.005
1.565	1.761	7	2.204	
1.761	1.957	1	0.054	
1.957	Infinity	2	0.000

LEAD - STREAM SEDIMENT

LOG Pb

PERCENT UNDER NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Pb ¹	94	> 100 (A)	Anomalous
Pb ²	67	99 (A)	Anomalous

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	MANGANESE					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	1158	162	1060603.00000	915.89206	2596298.61842	1611.30339
(dups)	104	54	89127.00000	856.99038	306680.20379	553.78715
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	18.16507	407.77663	175.92722	47.35033	<u>lower limit</u>	<u>upper limit</u>
(dups)	2.53382	8.33977	64.62000	54.30330	749.26848	964.71229
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	41200.00000	27.00000	41173.00000	20613.500000	687.00000	
(dups)	3820.00000	221.00000	3599.00000	2020.50000	706.50000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	527.00000	929.00000	699.37586	707.50000	402.00000	
(dups)	550.50000	951.50000	714.00000	728.75000	401.00000	

	<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
	27.000	3770.000	1144		
	3770.000	7513.000	9		
	7513.000	11256.000	3		
1	11256.000	14999.000	0		
	14999.000	18742.000	0		
1	18742.000	22485.000	0		
	22485.000	26228.000	0		
	26228.000	29971.000	1		
	29971.000	33714.000	0		
	33714.000	37457.000	0		
	37457.000	41200.000	1

	<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
	-Infinity	1.721	1	0.014	
	1.721	2.010	1	0.964	
	2.010	2.300	21	21.918	0.000
	2.300	2.589	114	167.412	17.041
	2.589	2.878	558	437.087	33.449
	2.878	3.168	360	394.332	2.989
	3.168	3.457	74	112.779	19.380
	3.457	3.747	21	13.026	17.818
	3.747	4.036	6	0.462	
	4.036	4.325	0	0.005	
	4.325	Infinity	2	0.000

MANGANESE - STREAM SEDIMENT

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Mn ¹	14,962	>100 (A)	Anomalous
Mn ²	7,043	99 (A)	Anomalous
Mn	4,927	99.5 (B)	A population
	566-1061	>100 (D) - <0 (B)	C population
	<147	<.2 (D)	E population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	MOLYBDENUM					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	1276	44	4005.00000	3.13871	6.26545	2.50309
(dups)	118	40	363.00000	3.07627	16.22490	4.02801
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	5.20810	47.24023	79.74882	.07007	<u>lower limit</u>	<u>upper limit</u>
(dups)	6.27985	47.82892	130.93822	.37081	2.34174	3.81080
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	36.00000	1.00000	35.00000	18.50000	3.00000	
(dups)	38.00000	1.00000	37.00000	19.50000	2.00000	
	Tukeys Hinges			Tukeys Middlemeans		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	2.00000	4.00000	2.61129	3.00000	2.00000	
(dups)	2.00000	3.00000	2.40000	2.25000	1.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
1.000	4.182	1090		
4.182	7.364	140		
7.364	10.545	23		
10.545	13.727	11		
13.727	16.909	7		
16.909	20.091	1		
20.091	23.273	1		
23.273	26.455	1		
26.455	29.636	0		
29.636	32.818	1		
32.818	36.000	1

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.141	187	174.087	0.598
0.141	0.283	0	204.688	204.688
0.283	0.424	411	274.241	68.199
0.424	0.566	328	269.841	12.535
0.566	0.707	240	194.991	10.389
0.707	0.849	64	103.471	15.057
0.849	0.990	21	40.313	9.253
0.990	1.132	13	11.529	7.869
1.132	1.273	7	2.420	
1.273	1.415	3	0.373	
1.415	Infinity	2	0.046

MOLYBDENUM - STREAM SEDIMENT

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Mo ¹	20	100 (A)	Anomalous
Mo ²	17	98 (A)	Anomalous
Mo	13	99.5 (B)	A-population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	NICKEL					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	1186	134	47432.00000	39.99325	721.23709	26.85586
(dups)	111	47	4350.000000	39.18919	345.02752	18.57492
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	7.67451	87.12634	67.15097	.77982	<u>lower limit</u>	<u>upper limit</u>
(dups)	4.17850	23.55585	47.39806	1.76305	35.69445	42.68393
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	421.00000	10.00000	411.00000	215.50000	36.00000	
(dups)	161.00000	14.00000	147.00000	87.50000	36.00000	
	Tukeys Hinges			Tukeys Middlemeans		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	29.00000	44.00000	36.25589	36.25000	15.00000	
(dups)	30.00000	43.00000	36.64912	36.25000	13.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
10.000	47.364	941		
47.364	84.727	216		
84.727	122.091	17		
122.091	159.455	3		
159.455	196.818	3		
196.818	234.182	2		
234.182	271.545	0		
271.545	308.909	0		
308.909	346.273	1		
346.273	383.636	2		
383.636	421.000	1

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.148	31	17.000	11.530
1.148	1.295	55	79.454	7.526
1.295	1.443	163	227.084	18.085
1.443	1.591	439	357.638	18.510
1.591	1.738	346	310.652	4.022
1.738	1.886	115	148.783	7.671
1.886	2.034	23	39.235	6.718
2.034	2.181	5	5.684	9.999
2.181	2.392	4	0.451	
2.392	2.477	1	0.020	
2.477	Infinity	4	0.000

NICKEL - STREAM SEDIMENT

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Ni ¹	193	100 (A)	Anomalous
Ni ²	154 -	97.5 (A)	Anomalous
Ni	137	99.9 (B)	A population
	<17	<.2 (C)	D population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	NICKEL *					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	255	1065	7164.00000	28.09412	85.59741	9.25189
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	1.91906	6.00113	32.93176	.57938	<u>lower limit</u>	<u>upper limit</u>
(dups)					26.95287	29.23536
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	78.00000	10.00000	68.00000	44.00000	27.00000	
(dups)						
	Tukeys Hinges			Tukeys Middlemeans		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	22.00000	32.00000	26.63566	27.00000	10.00000	
(dups)						

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	17.556	12	32.471	12.906
17.556	25.111	106	62.789	29.738
25.111	32.667	89	80.545	0.888
32.667	40.222	31	54.984	10.462
40.222	47.778	6	19.957	9.761
47.778	55.333	6	3.843	10.690
55.333	62.889	1	0.391	
62.889	70.444	3	0.021	
70.444	Infinity	1	0.001

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.099	3	1.251	
1.099	1.198	3	7.785	1.021
1.198	1.297	15	29.582	7.188
1.297	1.396	80	63.294	4.409
1.396	1.496	87	76.355	1.484
1.496	1.595	43	51.951	1.542
1.595	1.694	16	19.923	0.772
1.694	1.793	4	4.299	2.034
1.793	Infinity	4	0.558

NICKEL * - STREAM SEDIMENT

NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Ni *2	75	90 (A)	Anomalous
Ni *	57	100 (B)	A population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	STRONTIUM					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	691	628	194105.00000	280.90449	43230.59666	207.91969
(dups)	36	120	10434.00000	289.83333	49452.42857	222.37902
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	1.78446	3.26512	74.01793	7.90964	<u>lower limit</u>	<u>upper limit</u>
(dups)	1.74959	2.56502	76.72652	37.06317	265.37122	296.43776
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	1058.00000	27.00000	1031.00000	542.50000	229.00000	
(dups)	1000.00000	39.00000	961.00000	519.50000	225.0000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	140.00000	337.00000	233.23919	233.75000	197.00000	
(dups)	160.50000	328.50000	233.66667	233.50000	168.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	130.100	159	161.786	0.048
130.100	233.200	199	121.016	50.254
233.200	336.300	159	135.284	4.157
336.300	439.400	75	118.860	16.185
439.400	542.500	34	82.074	28.159
542.500	645.600	14	44.538	20.939
645.600	748.700	12	18.992	2.574
748.700	851.800	12	6.364	110.458
851.800	954.900	9	1.675	
954.900	Infinity	18	0.411

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.591	3	4.170	0.328
1.591	1.750	17	12.273	1.821
1.750	1.909	34	34.185	0.001
1.909	2.069	76	72.415	0.177
2.069	2.228	91	116.679	5.651
2.228	2.387	156	143.008	1.180
2.387	2.547	155	133.337	3.519
2.547	2.706	86	94.571	0.777
2.706	2.865	33	51.021	6.365
2.865	Infinity	40	29.341	3.872

STRONTIUM - STREAM SEDIMENT

LOG Sr

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Sr ²	1042	90(A)	Anomalous
	734	99.9(B)	A population
	198 - 274	< 0(C) - > 100(E)	D population
	< 55	< .2 (E)	F population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	VANADIUM					
<u>Basic Statistics:</u>	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	691	632	74896.00000	108.38784	2319.72472	48.16352
(dups)	36	120	3558.00000	98.83333	1501.17143	38.74495
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	2.70026	15.93040	44.43628	1.83223	<u>lower limit</u>	<u>upper limit</u>
(dups)	.86285	.58395	39.20231	6.45749	85.72088	111.94578
<u>Order Statistics:</u>	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	555.00000	18.00000	537.00000	286.50000	100.00000	
(dups)	210.00000	36.00000	174.00000	123.00000	92.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	78.00000	127.00000	101.16138	101.25000	49.00000	
(dups)	74.00000	113.00000	93.38889	92.75000	39.00000	

	<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
	-Infinity	71.700	117	154.168	8.961
	71.700	125.400	396	286.715	41.655
	125.400	179.100	138	201.035	19.765
1	179.100	232.800	25	45.698	9.375
66	232.800	286.500	9	3.308	39.895
	286.500	340.200	3	0.075	
1	340.200	393.900	0	0.001	
	393.900	447.600	2	0.000

	<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
	-Infinity	1.404	1	0.173	
	1.404	1.553	2	2.944	0.004
	1.553	1.702	30	25.048	0.979
	1.702	1.851	79	104.104	6.054
	1.851	2.000	228	212.283	1.164
	2.000	2.149	228	212.880	1.074
	2.149	2.298	96	104.985	0.769
	2.298	2.446	20	25.403	1.149
	2.446	2.595	4	3.003	4.586
	2.595	Infinity	3	0.177

VANADIUM - STREAM SEDIMENT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
V ¹	429	100 (A)	Anomalous
V ²	331	95 (A)	Anomalous
V	264	100 (B)	A population
	85 - 147	100 (C) - 0 (A)	B population
	< 41	1 (B)	C population

Table : SUMMARY STATISTICS OF STREAM-SEDIMENT SAMPLES

Element:	ZINC					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	1319	1	109227.00000	82.81046	3366.99591	58.02582
(dups)	127	31	10989.00000	86.52756	475.31471	68.97329
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	6.94592	81.97165	70.07064	1.59771	<u>lower limit</u>	<u>upper limit</u>
(dups)	6.94553	60.70899	79.71251	6.12039	79.67543	85.94549
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	1000.00000	3.00000	997.00000	501.50000	72.00000	
(dups)	736.00000	4.00000	732.00000	370.00000	74.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	56.00000	92.00000	72.48260	73.00000	36.00000	
(dups)	61.00000	95.00000	74.92308	76.00000	34.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
3.000	93.636	998		
93.636	184.273	276		
184.273	274.909	33		
274.909	365.545	7		
365.545	456.182	1		
456.182	546.818	0		
546.818	637.455	0		
637.455	728.091	1		
728.091	818.727	2		
818.727	909.364	0		
909.364	1000.000	1

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.706	3	0.000	
0.706	0.936	1	0.020	
0.936	1.165	5	1.116	
1.165	1.395	29	22.470	8.777
1.395	1.624	62	165.848	65.026
1.624	1.853	557	454.789	22.971
1.853	2.083	511	467.443	4.059
2.083	2.312	118	180.127	21.428
2.312	2.541	26	25.806	1.243
2.541	2.771	3	1.356	
2.771	Infinity	4	0.026

ZINC - STREAM SEDIMENT

NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Zn ¹	471	100 (A)	Anomalous
Zn ²	362	97.5 (A)	Anomalous
Zn	241	100 (B)	A population
	31 - 115	>100 (D) - 0 (B)	C population
Zn ³	22 - 24	99 (D) - 0 (C)	Anomalous
	< 22	< 99 (D)	D population

APPENDIX D. Summary statistics and probability plots for 323
pan-concentrate samples from the Chandalar C-5 and C-6 Quadrangles.

Computations for the trace elements use only unqualified values and are presented alphabetically. The total number of values used is listed as '# observations' or 'number of valid cases.' Summary statistics of the duplicate sample analytical values are shown separately. The symbols As*, Ni*, Cr*, B*, and Ba* indicate Bondar-Clegg analyses.

The same statistical methods were followed as for the stream-sediment samples in Appendix C.

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	ARSENIC					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev</u>
(originals)	215	108	3607.00000	16.77674	214.45460	14.64427
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	5.35748	43.32045	87.28910	.99873	<u>lower limit</u>	<u>upper limit</u>
(dups)					14.80770	18.74579
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	160.00000	4.00000	156.00000	82.00000	13.00000	
(dups)						
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	10.00000	18.00000	13.12844	13.50000	8.00000	
(dups)						

	<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
	4.000	21.333	177		
	21.333	38.667	24		
	38.667	56.000	11		
	56.000	73.333	1		
	73.333	90.667	1		
	90.667	108.000	0		
	108.000	125.333	0		
	125.333	142.667	0		
	142.667	160.000	1

	<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
	-Infinity	.780	7	13.501	3.130
	.780	.958	37	33.046	.473
	.958	1.136	74	57.829	4.522
	1.136	1.314	55	59.352	.319
	1.314	1.492	23	35.727	4.534
	1.492	1.670	12	12.605	.768
	1.670	1.848	5	2.603	
	1.848	2.026	1	.314	
	2.026	Infinity	1	.023

ARSENIC - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
As ¹	81	100 (A)	Anomalous
As ²	60	96 (A)	Anomalous
As	44	100 (B)	A population
.	10 - 20	100(D) - .2 (B)	C population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	ARSENIC *					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	64	259	1745.00000	27.26563	453.18229	21.28808
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	2.07963	3.92739	78.07662	2.66101	<u>lower limit</u>	<u>upper limit</u>
(dups)					21.94682	32.58443
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	106.00000	10.00000	96.00000	58.00000	19.50000	
(dups)						
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	13.50000	30.00000	19.96875	20.62500	16.50000	
(dups)						

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	23.714	38	27.760	3.777
23.714	37.429	14	15.981	.246
37.429	51.143	4	11.874	5.221
51.143	64.857	3	5.907	.018
64.857	78.571	1	1.967	
78.571	92.286	2	.438	
92.286	Infinity	2	.072	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.146	19	14.014	1.774
1.146	1.293	13	12.698	.007
1.293	1.439	15	14.248	.040
1.439	1.586	6	11.690	2.770
1.586	1.732	5	7.013	.578
1.732	1.879	2	3.076	.637
1.879	Infinity	4	1.262

ARSENIC * - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
As * ²	107	80 (A)	Anomalous
As *	91	99.5 (B)	A population
As * ³	65-91	90 (B)-99.5 (B)	Anomalous
	30-64	>100 (C)-90 (B)	B population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	BARIUM					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	323	0	141360.00000	437.64706	42455.93716	206.04839
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	1.50663	3.15947	4.708095	11.46484	<u>lower limit</u>	<u>upper limit</u>
(dups)					415.08662	460.20750
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	1430.00000	40.00000	1390.00000	735.00000	370.00000	
(dups)						
	<u>Tukeys Hinges</u>		<u>midmean</u>	<u>Tukeys Middlemeans</u>		<u>midspread</u>
(originals)	<u>25%-ile</u>	<u>75%-ile</u>	388.95706	<u>trimean</u>	180.00000	
(dups)	310.00000	490.00000		385.00000		

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	194.444	13	38.417	16.816
194.444	348.889	107	69.246	20.584
348.889	503.333	126	94.231	10.711
503.333	657.778	27	75.020	30.737
657.778	812.222	31	34.930	0.442
812.222	966.667	10	9.502	5.515
966.667	1121.111	5	1.508	
1121.111	1275.556	2	0.139	
1275.556	Infinity	2	0.000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.775	2	0.010	
1.775	1.947	3	0.241	
1.947	2.120	1	3.009	2.303
2.120	2.292	7	19.110	7.674
2.292	2.465	51	61.978	1.944
2.465	2.638	141	102.964	14.051
2.638	2.810	67	87.745	4.904
2.810	2.983	42	38.339	0.350
2.983	Infinity	9	9.605	0.038

BARIUM - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Ba ¹	1220	100 (A)	Anomalous
Ba ²	1064	95 (A)	Anomalous
Ba	993	100 (B)	A population
	158-239	0 (D) - .2 (C)	D population
Ba ³	125-150	97.5 (E) - 0 (D)	Anomalous
	<125	< 97.5 (E)	E population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	BORON					
<u>Basic Statistics:</u>	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	317	6	22800.00000	71.92429	812.58286	28.50584
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	1.49115	4.98550	39.63312	1.60105	<u>lower limit</u>	<u>upper limit</u>
(dups)					68.77353	75.07505
<u>Order Statistics:</u>	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	220.00000	15.00000	205.00000	117.50000	70.00000	
(dups)						
	<u>Tukeys Hinges</u>		<u>midmean</u>	<u>Tukeys Middlemeans</u>		<u>midspread</u>
(originals)	<u>25%-ile</u>	<u>75%-ile</u>	68.42767	<u>trimean</u>		35.00000
(dups)	50.00000	85.00000		68.75000		

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	37.778	21	36.608	6.654
37.778	60.556	108	72.761	17.067
60.556	83.333	98	98.427	0.002
83.333	106.111	74	72.683	0.024
106.111	128.889	5	29.281	20.134
128.889	151.667	5	6.424	1.953
151.667	174.444	1	0.765	
174.444	197.222	2	0.049	
197.222	Infinity	3	0.002

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.306	9	0.449	
1.306	1.453	1	3.539	9.062
1.453	1.565	11	17.492	2.409
1.565	1.694	15	50.698	25.136
1.694	1.824	115	86.289	9.553
1.824	1.954	89	86.305	0.084
1.954	2.083	63	50.726	2.970
2.083	2.213	8	17.500	5.163
2.213	Infinity	6	3.994	1.008

BORON - PAN CONCENTRATE

LOG B

PERCENT UNDER NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
B ²	209	90 (A)	Anomalous
B	158	90 (B)	A population
	119 - 125	100 (C) - .2 (A)	B population
	97 - 113	100 (D) - .2 (B)	C population
	60 - 85	100 (E) - .2 (C)	D population
	29 - 52	100 (F) - .2 (D)	E population
B ³	26 - 28	97.5 (F) - 100 (F)	Anomalous
	< 26	< 97.5 (F)	F population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	CADMIUM					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	70	253	146.00000	2.08571	.74617	.86381
(dups)	6	24	12.00000	2.00000	.40000	.63246
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	1.32978	4.43618	41.41561	.10325	<u>lower limit</u>	<u>upper limit</u>
(dups)	0.00000	0.00000	31.62278	.25820	1.87970	2.29173
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	6.00000	1.00000	5.00000	3.50000	2.00000	
(dups)	3.00000	1.00000	2.00000	2.00000	2.00000	
	Tukeys Hinges			Tukeys Middlemeans		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	2.00000	2.00000	2.02778	2.00000	0.00000	
(dups)	2.00000	2.00000	2.00000	2.00000	0.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.714	16	23.352	2.315
1.714	2.429	36	22.448	8.182
2.429	3.143	16	16.464	0.013
3.143	3.857	0	6.325	4.253
3.857	4.571	1	1.270	
4.571	5.286	0	0.133	
5.286	Infinity	1	0.007	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.111	16	11.826	1.444
0.111	0.222	0	13.829	13.829
0.222	0.333	36	16.941	21.442
0.333	0.445	0	14.360	14.360
0.445	0.556	16	8.421	6.821
0.556	0.667	1	3.416	1.459
0.667	Infinity	1	1.171

CADMIUM - PAN CONCENTRATE

LOG Cd

PERCENT UNDER

NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Cd'	4	~ 97 (A)	Anomalous

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	CHROMIUM					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	261	62	46936.00000	179.83142	17860.66378	133.64379
(dups)	18	12	3520.00000	195.55556	1811.55556	137.15522
	<u>coeff. of skewness</u>	<u>coeff. of kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	1.73045	3.79428	74.31615	8.27234	<u>lower limit</u>	<u>upper limit</u>
(dups)	.72463	-1.10427	70.13619	32.32780	163.53849	196.12434
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	951.00000	25.00000	926.00000	488.00000	119.00000	
(dups)	441.00000	31.00000	410.00000	236.00000	121.50000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	94.00000	216.00000	129.48855	137.00000	122.00000	
(dups)	91.00000	298.00000	162.60000	158.00000	207.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	127.889	141	91.027	27.435
127.889	230.778	56	78.225	6.315
230.778	333.667	21	59.162	24.616
333.667	436.556	27	25.442	0.095
436.556	539.444	13	6.213	10.982
539.444	642.333	2	0.860	
642.333	745.222	0	0.067	
745.222	848.111	0	0.003	
848.111	Infinity	1	0.000

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.574	5	4.679	0.022
1.574	1.749	1	13.810	11.882
1.749	1.925	35	33.787	0.044
1.925	2.100	98	56.356	30.773
2.100	2.276	49	64.100	3.557
2.276	2.451	17	49.721	21.533
2.451	2.627	35	26.298	2.879
2.627	2.803	20	9.482	6.253
2.803	Infinity	1	2.767

CHROMIUM - PAN CONCENTRATE

NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Cr ¹	794	>100 (A)	Anomalous
Cr ²	479	97.5 (A)	Anomalous
	255	100 (B)	A population
Cr ³	179-254	97.5(B) - 0(A)	Anomalous
	50-178	100 (C) - 97.5 (B)	B population
Cr ⁴	42-49	98 (C) - .1(B)	Anomalous
	< 43	< 98 (C)	C population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	CHROMIUM *					
Basic Statistics:	# observations	# missing values	sum	mean	variance	std. dev.
(originals)	64	259	1420.00000	22.18750	46.72619	6.83566
(dups)						
	coeff. of skewness	coeff. of Kurtosis	coeff. of variation	std. error of the mean	95% confidence interval on the mean	
(originals)	.75192	.98013	30.80859	.85446	lower limit	upper limit
(dups)					20.47962	23.89538
Order Statistics:	maximum	minimum	range	midrange	median	
(originals)	40.00000	10.00000	30.00000	25.00000	20.00000	
(dups)						
	Tukeys Hinges			Tukeys Middlemeans		
	25%-ile	75%-ile	midmean	trimean	midspread	
(originals)	20.00000	25.00000	21.71875	21.25000	5.00000	
(dups)						

minimum	maximum	observed frequency	expected frequency	contribution chi-square
-Infinity	14.286	4	7.926	1.945
14.286	18.571	9	11.171	0.422
18.571	22.857	24	15.399	4.803
22.857	27.143	17	14.511	0.427
27.143	31.429	6	9.347	1.198
31.429	35.714	0	4.114	0.479
35.714	-Infinity	4	1.531	

minimum	maximum	observed frequency	expected frequency	contribution chi-square
-Infinity	1.086	4	2.524	
1.086	1.172	0	5.791	2.239
1.172	1.258	9	11.517	0.550
1.258	1.344	24	15.588	4.540
1.344	1.430	17	14.362	0.485
1.430	1.516	6	9.007	1.004
1.516	Infinity	4	5.212	0.282

CHROMIUM * - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Cr ^{*2}	40	93	Anomalous

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	COBALT					
<u>Basic Statistics:</u>	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	314	9	7193.00000	22.90764	92.14799	9.59937
(dups)	29	1	670.00000	23.10345	43.23892	6.57563
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	8.13991	106.13696	41.90468	.54172	<u>lower limit</u>	<u>upper limit</u>
(dups)	-.02387	-.48150	28.46168	1.22106	20.60162	25.60527
<u>Order Statistics:</u>	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	153.00000	10.00000	143.00000	81.50000	22.00000	
(dups)	36.00000	10.00000	26.00000	23.00000	23.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	19.00000	26.00000	22.25316	22.25000	7.00000	
(dups)	20.00000	25.00000	23.06667	22.75000	5.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
10.000	25.889	225		
25.889	41.778	86		
41.778	57.667	1		
57.667	73.556	1		
73.556	89.444	0		
89.444	105.333	0		
105.333	121.222	0		
121.222	137.111	0		
137.111	153.000	1

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.132	20	17.248	0.439
1.132	1.263	57	70.811	2.694
1.263	1.395	130	121.850	0.545
1.395	1.527	95	81.137	2.369
1.527	1.658	9	20.835	5.227
1.658	1.790	2	2.042	
1.790	1.921	0	0.075	
1.921	2.053	0	0.001	
2.053	Infinity	1	0.000

COBALT - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Co ¹	43	100 (A)	Anomalous
	24-29	100 (C) - .2 (A)	B population
	<16	<.2 (B)	C population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	COPPER					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	323	0	10139.00000	31.39009	221.91568	14.89683
(dups)	30	0	922.00000	30.73333	104.20230	10.20795
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	3.94205	32.80736	47.45712	.82888	<u>lower limit</u>	<u>upper limit</u>
(dups)	.03752	-1.2157	33.21460	1.86371	29.75902	33.02116
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	181.00000	6.00000	175.00000	93.50000	30.00000	
(dups)	53.00000	10.00000	43.00000	31.50000	31.50000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	23.00000	37.00000	30.06135	30.00000	14.00000	
(dups)	25.00000	34.00000	31.06250	30.50000	9.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	25.444	107	111.403	0.174
25.444	44.889	185	152.673	6.845
44.889	64.333	24	54.563	17.119
64.333	83.778	3	4.291	1.596
83.778	103.222	3	0.070	
103.222	122.667	0	0.000	
122.667	142.111	0	0.000	
142.111	161.556	0	0.000	
161.556	Infinity	1	0.000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.943	4	0.818	
0.943	1.107	8	8.247	0.950
1.107	1.271	28	40.848	4.041
1.271	1.436	91	95.600	0.221
1.436	1.600	132	106.066	6.341
1.600	1.765	52	55.809	0.260
1.765	1.929	4	13.892	3.711
1.929	2.093	3	1.628	
2.093	Infinity	1	0.092

COPPER - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Cu ¹	93	100 (A)	Anomalous
Cu ²	67	95 (A)	Anomalous
Cu	51	100 (B)	A population
	26-30	100 (D) - .2 (B)	C population
	< 9	< .2 (D)	E population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	IRON					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev</u>
(originals)	242	81	10620630	43886.90083	232723976.664	15255.29340
(dups)	18	12	799250.00000	44402.77778	291904256.541	17085.20578
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	.10752	-.06915	34.76047	980.64740	<u>lower limit</u>	<u>upper limit</u>
(dups)	-.13491	-.38115	38.47779	4027.02162	41954.73832	45819.06333
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	88000.00000	2300.00000	85700.00000	45150.00000	41850.00000	
(dups)	72300.00000	8350.00000	63950.00000	40325.00000	44350.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	33900.00000	53500.00000	42874.59016	42775.00000	19600.00000	
(dups)	34700.00000	52200.00000	44340.00000	43900.00000	17500.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	11822.222	7	4.303	1.690
11822.222	21344.444	5	12.575	4.563
21344.444	30866.667	31	30.727	0.003
30866.667	40388.889	69	51.455	5.982
40388.889	49911.111	56	59.101	0.163
49911.111	59433.333	29	46.556	6.620
59433.333	68955.556	33	25.148	2.451
68955.556	78477.778	9	9.313	0.002
78477.778	Infinity	3	2.827

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	3.538	1	0.000	
3.538	3.713	0	0.001	
3.713	3.889	2	0.030	
3.889	4.065	4	0.662	
4.065	4.241	0	6.786	0.031
4.241	4.417	21	32.557	4.103
4.417	4.593	70	73.534	0.170
4.593	4.769	97	78.433	4.395
4.769	Infinity	47	49.996	0.180

IRON - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Fe ²	78,102	98 (A)	Anomalous
	36,494-53,703	100 (D) - .2 (B)	C population
	23,988-26,573	100 (E) - .2 (C)	D population
Fe ³	10,000-10,998	99.5 (F) - 100 (F)	Anomalous
	<10,000.	<99.5 (F)	F population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	LEAD					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	323	0	2765.00000	8.56037	12.73159	3.56814
(dups)	30	0	262.00000	8.73333	8.27126	2.87598
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	2.48133	14.88553	41.68202	.19854	<u>lower limit</u>	<u>upper limit</u>
(dups)	1.71390	2.48081	32.93108	.52508	7.65917	9.80749
<u>Order Statistics:</u>	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	34.00000	2.00000	32.00000	18.00000	8.00000	
(dups)	17.00000	6.00000	11.00000	11.50000	8.00000	
	Tukeys Hinges			Tukeys Middlemeans		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	7.00000	10.00000	8.24540	8.25000	3.00000	
(dups)	7.00000	9.00000	8.00000	8.00000	2.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	5.556	42	64.554	7.880
5.556	9.111	178	116.756	32.125
9.111	12.667	76	101.346	6.339
12.667	16.222	19	35.213	7.465
16.222	19.778	6	4.861	1.605
19.778	23.333	0	0.264	
23.333	26.889	0	0.006	
26.889	30.444	0	0.000	
30.444	Infinity	2	0.000

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.438	7	1.520	
0.438	0.574	7	9.435	0.847
0.574	0.711	28	36.076	1.808
0.711	0.848	88	78.261	1.212
0.848	0.985	90	96.439	0.430
0.985	1.121	83	67.530	3.544
1.121	1.258	17	26.854	3.616
1.258	1.395	1	6.056	2.193
1.395	Infinity	2	0.831

LEAD - PAN CONCENTRATE

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Pb'	28	100 (A)	Anomalous
Pb	15	99.5 (B)	A population
	7-10	100 (C) - .2 (A)	B population
	< 3	< 0 (B)	C population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	MANGANESE					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	242	81	254605.00000	1052.08678	513693.88041	716.72441
(dups)	18	12	19306.00000	1072.55556	328239.55555	572.92195
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	2.48530	7.60350	68.12408	46.07279	<u>lower limit</u>	<u>upper limit</u>
(dups)	.62478	-.10651	53.41653	135.03900	787.57808	1357.53303
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	5140.00000	163.00000	4977.00000	2651.50000	842.00000	
(dups)	2360.00000	178.00000	2182.00000	1269.00000	975.00000	
	Tukeys Hinges			Tukeys Middlemeans		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	656.00000	1120.00000	855.14754	865.00000	464.00000	
(dups)	730.00000	1220.00000	1015.30000	975.00000	490.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	716.000	76	77.334	0.023
716.000	1296.000	117	72.444	27.403
1296.000	1822.000	20	58.011	24.907
1822.000	2375.000	15	26.354	4.892
2375.000	2928.000	5	6.784	4.805
2928.000	3481.000	5	0.987	
3481.000	4034.000	3	0.081	
4034.000	4587.000	0	0.004	
4587.000	Infinity	1	0.000

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	2.379	4	1.967	
2.397	2.545	3	8.720	1.272
2.545	2.712	20	27.384	1.991
2.712	2.878	64	53.768	1.947
2.878	3.045	88	66.055	7.291
3.045	3.211	31	50.782	7.706
3.211	3.378	18	24.425	1.690
3.378	3.544	10	7.345	2.925
3.544	Infinity	4	1.553

MANGANESE - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Mn ²	4105	85 (A)	Anomalous
Mn	2745	100 (B)	A population
	794-1096	100 (C) - .2 (A)	B population
	328-379	100 (D) - .5 (B)	C population
	<271	<.2 (C)	D population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	MERCURY					
<u>Basic Statistics:</u>	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	322	0	10155.00000	31.53727	1755.96278	41.90421
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	5.83095	43.79919	132.87204	2.33523	<u>lower limit</u>	<u>upper limit</u>
(dups)					26.94196	36.13257
<u>Order Statistics:</u>	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	450.00000	5.00000	445.00000	227.50000	20.00000	
(dups)						
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	15.00000	35.00000	22.83951	22.50000	20.00000	
(dups)						

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	54.444	289		
54.444	103.889	24		
103.889	153.333	3		
153.333	202.778	1		
202.778	252.222	2		
252.222	301.667	1		
301.667	351.111	1		

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.916	29	36.223	1.440
0.916	1.133	48	53.158	0.500
1.133	1.350	97	75.894	5.870
1.350	1.568	70	74.385	0.258
1.568	1.785	53	50.049	0.174
1.785	2.002	16	23.113	2.189
2.002	2.219	3	7.324	0.003
2.219	2.436	3	1.591	
2.436	Infinity	3	0.263

MERCURY - PAN CONCENTRATE

PERCENT UNDER NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Hg ²	441	85 (A)	Anomalous
Hg	258	99.8 (B)	A population
	< 20	< .5 (B)	C population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	MOLYBDENUM					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	323	0	1089.00000	3.37152	2.25285	1.50095
(dups)	30	0	92.00000	3.06667	1.58161	1.25762
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	1.52045	3.83449	44.51853	.08352	<u>lower limit</u>	<u>upper limit</u>
(dups)	1.14290	1.49899	41.00936	.22961	2.59695	3.53638
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	11.00000	1.00000	10.00000	6.00000	3.00000	
(dups)	7.00000	1.00000	6.00000	4.00000	3.00000	
	Tukeys Hinges			Tukeys Middlemeans		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	2.00000	4.00000	3.17178	3.00000	2.00000	
(dups)	2.00000	3.00000	2.81250	2.75000	1.00000	

minimum	maximum	observed frequency	expected frequency	contribution chi-square
-Infinity	2.111	93	64.770	12.304
2.111	3.222	109	83.934	7.486
3.222	4.333	68	90.050	5.399
4.333	5.444	30	57.235	12.959
5.444	6.556	10	21.538	6.181
6.556	7.667	4	4.793	10.349
7.667	8.778	6	0.630	
8.778	9.889	1	0.049	
9.889	Infinity	2	0.002

minimum	maximum	observed frequency	expected frequency	contribution chi-square
-Infinity	0.116	12	7.177	3.241
0.116	0.231	0	19.565	19.565
0.231	0.347	81	45.188	28.382
0.347	0.463	0	71.623	71.623
0.463	0.579	109	77.925	12.392
0.579	0.694	68	58.198	1.651
0.694	0.810	40	29.832	3.466
0.810	0.926	10	10.492	0.023
0.926	Infinity	3	3.001	0.000

MOLYBDENUM - PAN CONCENTRATE

LOG Mo

PERCENT UNDER NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Mo ¹	10	100 (A)	Anomalous
Mo ²	9	98 (A)	Anomalous
Mo	8	99.5 (B)	A population
	< 8	< .2 (A)	B population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	NICKEL					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	241	82	11579.00000	48.04564	320.41041	17.90001
(dups)	23	7	1079.00000	46.91304	103.53755	10.17534
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	5.32913	57.85121	37.25626	1.15304	<u>lower limit</u>	<u>upper limit</u>
(dups)	-80129	.06214	21.68979	2.12171	45.77377	50.31752
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	244.00000	11.00000	233.00000	127.50000	49.00000	
(dups)	62.00000	24.00000	38.00000	43.00000	48.00000	
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	40.00000	55.00000	48.19835	48.25000	15.00000	
(dups)	43.00000	54.00000	48.30769	48.25000	11.00000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	36.889	49	64.238	3.615
36.889	62.778	167	127.297	12.383
62.778	88.667	24	46.663	12.100
88.667	114.556	0	2.777	
114.556	140.444	0	.024	
140.444	166.333	0	.000	
166.333	192.222	0	.000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.191	3	0.130	
1.191	1.341	4	3.023	4.692
1.341	1.490	21	25.608	0.829
1.490	1.640	53	79.000	8.557
1.640	1.789	132	89.678	19.973
1.789	1.939	27	37.507	2.943
1.939	2.088	0	5.732	4.219
2.088	2.238	0	0.316	
2.238	Infinity	1	0.006

NICKEL - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Ni ¹	112	100 (A)	Anomalous
Ni ²	83	90 (A)	Anomalous
	51-55	100 (C) - .2 (A)	B population
	< 30	< .2 (B)	C population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	NICKEL *					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	63	260	2444.00000	38.79365	82.65028	9.09122
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	.25441	.13120	23.43481	1.14539	<u>lower limit</u>	<u>upper limit</u>
(dups)					36.50354	41.08376
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	64.00000	20.00000	44.00000	42.00000	40.00000	
(dups)						
	<u>Takeys Hinges</u>			<u>Takeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	32.00000	44.00000	38.72727	39.00000	12.00000	
(dups)						

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	26.286	4	5.320	0.327
26.286	32.571	12	10.232	0.305
32.571	38.857	14	16.124	0.280
38.857	45.143	22	16.049	2.207
45.143	51.429	5	10.091	2.568
51.429	57.714	4	4.006	0.128
57.714	Infinity	2	1.179	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.373	4	1.728	
1.373	1.445	0	5.061	1.146
1.445	1.518	12	11.403	0.031
1.518	1.590	14	16.429	0.359
1.590	1.662	22	15.141	3.107
1.662	1.734	9	8.926	0.001
1.734	Infinity	2	4.312	1.239

NICKEL * - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Ni * 1	59	100 (A)	Anomalous
	34 - 46	100 (C) - .2 (A)	B population
	< 28	< 0 (B)	C population

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	TUNGSTEN					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	322	0	804.00000	2.49689	.63083	.79425
(dups)						
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	4.51254	40.52058	31.80947	.04426	<u>lower limit</u>	<u>upper limit</u>
(dups)					2.40980	2.58399
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	11.00000	2.00000	9.00000	6.50000	2.00000	
(dups)						
	<u>Tukeys Hinges</u>			<u>Tukeys Middlemeans</u>		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midspread</u>	
(originals)	2.00000	3.00000	2.32099	2.25000	1.00000	
(dups)						

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	3.000	190	237.242	9.407
3.000	4.000	115	75.352	20.862
4.000	5.000	13	9.145	6.130
5.000	6.000	2	.260	
6.000	7.000	1	.002	
7.000	8.000	0	.000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	0.383	190	162.155	4.781
0.383	0.466	0	89.210	89.210
0.466	0.548	115	50.730	81.425
0.548	0.630	13	16.498	0.742
0.630	0.712	2	3.063	0.103
0.712	0.795	1	0.324	
0.795	0.877	0	0.019	
0.877	0.959	0	0.001	
0.959	Infinity	1	0.000

TUNGSTEN - PAN CONCENTRATE

PERCENT UNDER

NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
W ²	5	99	Anomalous

Table : SUMMARY STATISTICS OF PAN CONCENTRATE SAMPLES

Element:	ZINC					
Basic Statistics:	<u># observations</u>	<u># missing values</u>	<u>sum</u>	<u>mean</u>	<u>variance</u>	<u>std. dev.</u>
(originals)	322	1	28088.00000	87.22981	1634.83799	40.43313
(dups)	28	1	2355.00000	84.10714	1214.09921	34.84393
	<u>coeff. of skewness</u>	<u>coeff. of Kurtosis</u>	<u>coeff. of variation</u>	<u>std. error of the mean</u>	<u>95% confidence interval on the mean</u>	
(originals)	3.90565	32.44192	46.35242	2.25325	<u>lower limit</u>	<u>upper limit</u>
(dups)	.53783	.30325	41.42802	6.58488	70.59289	97.62140
Order Statistics:	<u>maximum</u>	<u>minimum</u>	<u>range</u>	<u>midrange</u>	<u>median</u>	
(originals)	495.00000	13.00000	482.00000	254.00000	82.00000	
(dups)	167.00000	13.00000	154.00000	90.00000	83.50000	
	Tukeys Hinges			Tukeys Middlemeans		
	<u>25%-ile</u>	<u>75%-ile</u>	<u>midmean</u>	<u>trimean</u>	<u>midsread</u>	
(originals)	64.00000	104.00000	82.00617	83.00000	40.00000	
(dups)	61.00000	104.50000	80.92857	83.12500	43.50000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	66.556	92	98.069	0.376
66.556	120.111	191	156.940	7.392
120.111	173.667	31	61.752	15.314
173.667	227.222	5	5.152	1.456
227.222	280.778	2	0.086	
280.778	334.333	0	0.000	
334.333	387.889	0	0.000	
387.889	441.444	0	0.000	
441.444	Infinity	1	0.000	

<u>minimum</u>	<u>maximum</u>	<u>observed frequency</u>	<u>expected frequency</u>	<u>contribution chi-square</u>
-Infinity	1.290	2	0.077	
1.290	1.456	2	1.942	
1.456	1.641	10	19.506	2.631
1.641	1.816	75	77.503	0.081
1.816	1.992	138	122.944	1.844
1.992	2.168	78	78.133	0.000
2.168	2.343	13	19.825	1.094
2.343	2.519	3	1.991	
2.519	Infinity	1	0.079

ZINC - PAN CONCENTRATE

PERCENT UNDER
NORMAL PROBABILITY PLOT

Map Symbol	Threshold or Range	Percentile (Population)	Type of Value
Zn ¹	228	100 (A)	Anomalous
Zn ²	186	92 (A)	Anomalous
Zn	151	100 (B)	A population
	57-114	100 (D) - 0 (B)	C population
	< 32	< .2 (D)	E population