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RESULTS OF STREAM-SEDIMENT SAMPLING BETWEEN WINDY FORK AND
POST RIVER, SOUTHERN ALASKA RANGE

By

Raymond L. Elliott and Bruce L. Reed

Open-file report

1968

This report is preliminary
and has not been edited or
reviewed for conformity with
Geological Survey standards

Results of stream-sediment sampling between Windy Fork and
Post River, southern Alaska Range

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Analytical data for stream-sediment samples collected between Windy Fork and Post River in the McGrath quadrangle are given in this report. The samples were collected in the summer of 1967 during field evaluation of the southern Alaska Range for the Heavy Metals program of the U.S. Geological Survey. These data supplement two Geological Survey Circulars that give selected data of economic interest--one on the Bowser Creek area (Reed and Elliott, 1968a), the other on several other areas between Windy Fork and Post River (Reed and Elliott, 1968b).

The analyses are given in tabular form and consist of atomic absorption analyses for gold and semiquantitative spectrographic analyses for a group of 34 elements. Locations of the 556 samples in the table are shown on figure 1. Because of the number of samples collected by this and other Heavy Metals projects, three different spectrometers of the Geological Survey were used. For most elements the limits of determination are very similar for the three spectrometers; but there are differences, and so the analyses are marked by a set of symbols keyed to the corresponding limits of detectability given at the end of the table.

Analyses for 24 elements are given for all samples. Ten other elements were either not detected or detected in so few samples that, where present, they are shown in the "Remarks Column" of the table. These elements and their limits of determination in the three laboratories are given below:

Element	Limits of determination (ppm)	
	*, **	†
As	200	2000
Bi	10	10
Cd	20	50
Pd	---	2
Pt	---	50
Sb	100	200
Sn	10	10
Ta	---	200
Te	---	2000
W	50	100

The following values for some of the economic elements are tentatively suggested as anomalous values for stream-sediment samples in this area.

Element	Anomalous values for stream sediment samples (ppm)
Ag	1
Cu	150
Mo	10
Pb	100
Zn	300

References cited

Reed, B. L., and Elliott, R. L., 1968a, Lead, zinc and silver deposits at Bowser Creek, McGrath A-2 quadrangle, Alaska: U.S. Geol. Survey Circ. 559

Reed, B. L., and Elliott, R. L., 1968b, Geochemical anomalies and metalliferous deposits between Windy Fork and Post River, southern Alaska Range: U.S. Geol. Survey Circ.

Sample No	Lab No	Field No	Ag	Au	B	Ba	Be	Co	Cr	Cu	La	Mn	Mo	Nb	Ni	Pb	Sc	Sr	V	Y	Zn	Zr	Ca	Fe	Mg	Ti	Remarks	
parts per million																								percent				
1 71	AC6891	67A4277	N	<.02	-	500	1	7	70	100	N	500	N	<10	20	30	-	200	150	15	N	100	3	2	1.5	.3		
1 72	882	278	N	<.02	-	500	1	10	70	50	N	300	N	<10	30	10	-	200	150	15	N	100	3	2	1	.3		
1 73	883	279	N	<.02	-	500	1	7	70	50	N	200	N	<10	20	10	-	200	100	15	N	70	3	1.5	1	.3		
1 74	884	280	N	<.02	-	500	N	7	70	50	N	300	N	N	30	15	-	200	100	15	N	70	5	1.5	1	.3		
1 75	992	67A8-28	N	<.02	-	1000	1	10	100	100	N	500	N	N	70	15	-	700	150	15	N	100	5	3	1.5	.3		
1 76	885	67A4-281	N	<.02	-	500	N	7	100	50	N	300	N	N	30	15	-	300	100	15	N	100	5	2	1	.3		
1 77	993	67A8-228	N	<.02	-	700	1	15	70	200	N	700	N	N	70	100	-	700	200	15	N	70	5	3	1.5	.2		
1 78	108	67A8-8	N	<.02	50	700	N	20	150	50	30	300	N	<20	30	30	15	300	100	20	200	150	10	3	1	.3		
1 79	AGJ 085	67AR 399	N	<.02	-	700	1.5	15	100	150	30	500	N	10	70	20	-	150	100	30	N	150	2	3	1.5	.5		
1 80	082	396	N	<.02	-	1000	1.5	20	100	100	50	500	N	<10	70	30	-	200	200	30	N	100	.7	3	2	.5		
1 81	083	927	N	<.02	-	700	1.5	15	100	100	30	500	N	10	70	30	-	150	100	50	N	100	.7	3	2	.5		
1 82	084	388	N	<.02	-	1000	2	15	100	70	50	500	N	10	50	30	-	200	100	50	N	100	1.5	3	2	.5	Cd 150	
1 83	AC6589	67A8-250	N	<.02	-	500	1	10	70	100	N	300	10	<10	50	20	-	100	100	20	200	100	.7	2	1	.3		
1 84	ACJ101	253	N	<.02	-	1000	2	20	100	150	30	500	N	10	70	30	-	200	150	30	200	200	1.5	3	2	.7		
1 85	102	253	N	<.02	-	3000	1.5	15	50	200	N	500	10	N	100	100	-	150	150	50	500	100	.5	5	1	.2		
1 86	103	256	N	<.02	-	2000	1.5	15	70	200	N	700	7	<10	150	50	-	150	150	30	300	100	.7	5	1.5	.3		
1 87	104	257	N	<.02	-	2000	2	20	50	150	N	500	10	<10	150	50	-	70	150	70	700	100	.7	2	1	.2		
1 88	105	258	N	<.02	-	1500	1.5	15	70	100	N	500	5	<10	70	30	-	70	150	30	500	100	1	3	1.5	.3		
1 89	024	67AR360	<1	<.02	-	1500	2	20	150	200	N	500	5	10	100	100	-	200	200	50	700	200	3	5	3	.5		
1 90	025	361	N	<.02	-	1500	2	20	100	130	30	500	5	10	100	100	-	200	200	50	700	200	3	5	3	.5		
1 91	026	362	N	<.02	-	1500	2	20	100	200	N	500	5	<10	100	100	-	200	150	30	700	200	3	5	3	.3		
v 92	AC6109	67A8-9	N	<.02	50	700	N	15	150	20	20	300	N	<20	30	30	15	700	100	15	N	150	7	3	1	.3		
v 93	110	10	.5	<.02	30	700	N	10	70	30	30	700	N	<20	20	70	15	300	70	15	<200	100	2	3	.3	.2		
xx 94	747	67A4-149	N	<.02	100	500	1	15	100	30	20	700	N	<10	30	50	15	700	100	20	N	150	3	5	1.5	.3		
1 95	AGJ035	67AR371	N	<.02	-	700	1	10	20	10	N	700	N	10	7	20	-	300	70	20	N	150	.7	3	1	.5		
1 96	036	372	N	<.02	-	1000	1	20	30	50	N	1000	N	<10	10	70	-	700	150	30	N	150	3	5	1.5	.7		
1 97	037	373	N	<.02	-	700	1	15	30	50	N	500	N	<10	15	20	-	700	100	20	N	100	3	3	1.5	.5		
1 98	038	374	N	<.02	-	700	1	10	20	50	N	500	N	<10	10	15	-	700	70	20	N	150	3	2	1	.5		
1 99	039	375	N	<.02	-	700	N	10	20	50	N	500	N	<10	10	15	-	700	70	15	N	100	5	2	1	.3		
1 100	040	378	N	<.02	-	700	N	10	30	50	N	500	N	<10	15	15	-	700	70	15	N	100	5	2	1.5	.3		
1101	041	377	N	<.02	-	700	N	10	50	50	N	500	N	<10	20	10	-	700	70	15	N	100	7	2	1.5	.3		
1102	AC6745	67A4-147	N	<.02	50	700	<1	15	100	30	20	500	N	<10	30	20	10	1000	70	15	N	150	2	5	1.5	.3		
1103	ACJ158	67A8-318	N	<.02	70	700	1	15	150	70	N	200	N	<10	30	30	15	200	100	15	N	100	1.5	3	1	.3		
1104	159	319	2	<.02	70	700	1	10	150	70	N	300	N	<10	30	30	15	200	100	15	N	150	2	3	1	.3	Sb 100	
1105	160	320	<1	<.02	70	700	1	20	100	100	N	1000	N	10	50	15	20	100	150	20	N	150	1.5	5	.7	.5		
1106	162	322	N	<.02	100	700	1	15	150	70	<20	700	N	10	50	30	20	200	100	20	N	150	2	3	1.5	.7		
1107	161	321	N	<.02	50	500	1	15	100	70	N	500	N	<10	30	20	15	100	70	15	N	150	1.5	3	1.5	.3		
1108	163	323	.7	<.02	100	1000	1	10	150	70	<20	700	N	<10	30	15	15	70	100	20	<200	150	1.5	3	1	.3		
1109	165	326	<.5	<.02	100	700	1	15	150	70	<20	300	N	<10	50	30	15	150	100	30	<200	150	2	3	1.5	.3		
1110	166	327	.5	<.02	100	700	1	15	100	50	20	200	N	<10	50	15	10	70	100	20	<200	100	1.5	3	1	.3		
1111	164	325	N	<.02	70	500	1	15	100	70	N	200	N	<10	30	20	15	100	70	20	N	100	1.5	3	1.5	.3		
1112	623	67A8-388	.7	<.02	50	500	N	15	100	50	N	150	N	<10	30	15	10	150	100	15	N	100	1.5	3	.7	.3		
1113	619	352	<.5	<.02	70	1000	<1	30	200	150	N	700	N	10	100	15	30	70	200	20	<200	150	1.5	7	1	.7		
1114	620	353	N	<.02	15	1000	<1	10	20	15	<20	700	N	<10	5	15	15	700	70	20	N	150	1.5	5	.7	.5		
1115	621	354	N	<.02	10	700	1	10	15	30	N	700	N	<10	3	15	10	700	70	15	N	150	1	3	.7	.3		
1116	622	355	<.5	<.02	30	700	<1	15	150	70	<20	700	N	<10	30	15	15	300	100	15	N	150	1	3	.7	.3		
1117	625	358	N	<.02	50	700	<1	15	100	30	N	200	N	N	30	10	10	150	100	15	N	100	1.5	3	.7	.3		
1118	624	357	N	<.02	50	1000	1	15	70	70	20	700	N	10	30	30	15	500	100	30	N	150	1.5	5	1.5	.7		
1119	627	360	N	<.02	100	100	<1	20	150	70	<20	700	N	<10	50	15	15	200	150	20	N	150	1.5	5	1	.5		
1120	626	359	N	<.02	100	700	<1	20	150	70	N	300	N	<10	50	30	15	200	150	15	N	150	2	5	1.5	.5		
1121	628	361	N	<.02	100	700	1	20	150	70	<20	700	N	<10	50	20	15	200	150	20	N	150	2	5	1.5	.5		
1122	629	362	N	<.02	70	700	<1	20	100	70	<20	500	N	10	50	20	15	150	150	20	N	150	2	3	1	.5		
1123	630																											

Sample No. Lab No. Field No. Ag Au B Ba Be Co Cr Cu La Mn Mo Nb Ni Pb Sc Sr V Y Zn Zr Ca Fe Mg Ti
 parts per million percent Remarks

1141	AC1047	61AR387	N	<.02	-	700	N	15	100	50	N	200	N	<10	70	15	-	1000	150	20	N	100	10	3	2	.5	
1142	079	385	N	<.02	-	700	N	15	100	50	N	200	N	<10	70	15	-	1000	150	20	N	100	10	2	2	.5	
1143	078	384	N	<.02	-	500	N	10	100	50	N	150	N	<10	70	10	-	700	100	15	N	70	10	2	1	.5	
1144	077	383	N	<.02	-	700	N	10	100	50	N	200	N	<10	70	15	-	1000	150	15	N	50	5	2	2	.3	
1145	046	382	N	<.02	-	700	N	10	100	50	N	200	N	<10	70	10	-	1000	150	15	N	100	10	2	2	.3	
1146	045	381	N	<.02	-	500	N	10	100	100	N	200	N	<10	70	10	-	1500	150	15	N	100	M	3	1.5	.3	
1147	044	380	N	<.02	-	500	N	10	100	70	N	200	N	<10	70	10	-	1500	100	15	N	100	M	2	1.5	.3	
1148	043	379	N	<.02	-	700	N	10	100	70	N	200	N	<10	70	10	-	1500	150	15	N	100	10	2	2	.3	
1149	042	378	N	<.02	-	500	N	10	100	70	N	200	N	<10	70	10	-	1500	100	15	N	70	M	2	2	.3	
1150	ACB744	67AM148	<.5	<.02	50	300	<1	20	200	30	<20	500	N	<10	30	30	10	1500	70	15	N	70	5	5	2	.3	
1151	743	145	.7	<.02	70	500	1	20	150	50	30	700	N	<10	30	30	15	300	100	15	N	150	5	5	1.5	.5	
1152	541	67AE-172	3	.04	30	500	1	15	50	100	30	700	N	<10	70	150	-	300	100	20	300	150	1.5	3	1.5	.2	
1153	542	174	N	<.02	70	500	1	15	70	70	N	500	N	<10	70	20	-	500	100	15	N	150	3	3	1.5	.2	
1154	740	67AM142	.7	<.02	70	500	1	20	150	50	20	500	N	<10	50	100	15	700	100	20	N	150	3	5	1.5	.5	
1155	741	143	1.0	<.02	50	500	1	20	150	50	20	700	N	<10	50	50	15	500	100	15	N	150	3	7	1.5	.5	
1156	543	67AE-173	N	<.02	70	300	N	15	70	70	N	500	N	<10	70	15	-	300	100	15	N	150	7	2	1.5	.3	
1157	544	176	N	<.02	30	500	N	15	70	70	N	500	N	<10	70	50	-	700	100	15	N	150	5	3	1.5	.3	
1158	545	177	N	<.02	30	500	1	15	70	50	30	500	N	<10	70	15	-	500	150	20	N	150	5	3	1	.3	
1159	546	178	N	<.02	30	500	1	15	70	50	30	300	N	<10	50	15	-	150	100	20	N	150	3	1.5	.7	.2	
1160	742	67AM144	<.5	<.02	70	500	1	15	100	30	20	700	N	<10	30	50	10	500	70	15	N	150	5	5	1.5	.3	
1161	739	141	N	<.02	50	1500	2	20	70	30	50	700	N	15	30	30	15	300	100	30	<200	200	1.5	7	1	.7	
1162	738	140	N	<.02	50	500	1	15	100	30	20	300	N	<10	30	30	15	700	70	15	N	100	7	5	1	.3	
1163	737	139	.5	<.02	100	500	1	20	150	50	30	700	N	<10	50	20	15	300	100	30	N	150	2	7	1.5	.5	
1164	736	138	N	<.02	70	700	1	20	150	30	20	300	<.5	10	50	20	15	500	100	15	N	150	5	5	1.5	.3	
1165	769	219	N	<.02	50	500	N	15	70	70	N	700	N	10	70	15	-	500	100	30	N	150	>10	2	.7	.3	
1166	822	220	N	<.02	50	500	N	15	70	70	N	700	N	<10	70	15	-	700	150	30	N	150	>10	3	.7	.3	
1167	823	221	N	<.02	70	500	1.5	15	70	70	30	700	N	10	70	15	-	150	150	30	N	200	3	3	.7	.3	
1168	824	222	N	<.02	50	500	1.5	15	70	30	30	700	N	10	70	15	-	150	100	30	N	200	.7	3	.7	.3	
1169	825	223	N	<.02	70	700	1.5	15	70	50	30	700	N	10	70	20	-	500	150	30	N	150	7	3	.3	.2	
1170	826	224	N	<.02	70	500	1.5	15	70	30	30	700	N	10	70	15	-	500	100	20	N	150	5	3	1.5	.3	
1171	735	137	N	<.02	70	500	1	20	150	50	30	500	N	10	50	30	15	300	70	20	N	150	1.5	5	1.5	.5	
1172	734	136	N	<.02	70	700	1	20	150	30	30	300	N	10	50	20	15	300	100	20	N	150	2	5	1.5	.5	
1173	828	226	N	<.02	70	500	1.5	15	70	50	30	700	N	<10	70	15	-	300	100	20	N	150	3	3	1.5	.3	
1174	102	67AE-02	N	<.02	50	700	N	15	100	20	N	200	N	<20	30	N	15	500	70	10	N	150	7	3	1	.3	
1175	650	67AR278	N	<.02	30	700	N	15	70	70	30	500	N	10	70	15	-	200	70	15	N	150	3	3	2	.2	
1176	651	279	N	<.02	30	500	1.5	15	70	70	30	300	N	10	70	15	-	150	70	20	N	150	1	3	3	.3	
1177	652	280	N	<.02	30	700	1	15	100	70	30	500	N	<10	70	15	-	300	100	20	N	150	3	3	2	.3	
1178	653	281	N	<.02	N	700	N	7	30	30	30	700	N	N	15	15	-	200	70	30	N	150	7	3	.7	.2	
1179	654	282	N	<.02	30	700	N	10	30	20	30	700	N	N	15	15	-	300	100	20	N	150	5	3	.7	.2	
1180	655	290	N	<.02	70	700	N	15	30	30	N	1000	N	N	15	15	-	700	100	15	N	150	5	2	.7	.3	
1181	657	292	1	<.02	N	500	1.5	15	70	150	30	1500	N	N	50	200	-	700	150	30	300	150	7	3	3	.3	
1182	658	293	N	<.02	30	700	1.5	15	70	70	30	1500	N	<10	50	200	-	300	100	30	300	150	3	3	3	.3	
1183	656	291	1	<.02	N	500	1	15	70	150	30	1500	N	<10	50	300	-	700	150	30	300	150	10	5	2	.3	
1184	112	67AE-12	.7	<.02	30	700	N	15	100	30	20	700	N	<20	30	70	15	700	70	20	500	100	15	3	1.5	.5	
1185	111	11	.7	<.02	30	700	N	15	100	30	20	700	N	<20	30	70	20	300	70	30	300	100	5	3	1.5	.2	
1186	013	67AR19	.7	<.02	50	700	1	15	150	30	30	1000	N	N	30	150	20	700	70	15	700	150	15	5	2	.3	
1187	014	21	N	<.02	30	700	N	<10	150	20	30	700	N	N	30	50	15	1000	70	5	300	70	>20	3	2	.15	
1188	ACJ479	176	<.5	<.02	50	700	<1	15	100	50	N	500	N	<10	30	70	15	1000	70	15	N	100	7	3	2	.3	
1189	ACB015	22	.5	<.02	100	700	N	15	150	30	30	700	N	N	50	100	20	700	70	15	300	150	20	5	2	.2	
1190	113	67AE-13	N	<.02	50	700	N	20	150	30	20	300	N	<20	50	20	15	700	100	30	N	100	10	3	1	.2	
1191	114	14	N	<.02	30	700	N	10	70	30	N	150	15	<20	30	N	10	300	150	20	<200	100	2	2	.7	.2	
1192	016	67AR23	N	<.02	100	700	1	10	150	30	30	500	N	N	50	10	20	700	70	15	N	150	15	5	2	.3	
1193	333	67AM35	N	<.02	100	700	1.5	20	150	20	30	300	N	<20	50	N	30	150	150	20	N	150	10	3	1	.5	
1194	331	33	N	<.02	7																						

Sample No. Lab. No. Field No. ^{1/} Ag Au B Ba Be Co Cr Cu La Mn Mo Nb Ni Pb Sc Sr V Y Zn Zr Ca Fe Mg Ti
 parts per million percent Remarks

211	ACJ6733	67A#135	N	<.02	70	700	1	20	150	50	20	500	N	10	50	20	15	500	100	15	N	150	3	5	1.5	.5	
212	ACJ605	67A#335	N	<.02	100	700	1	15	150	70	N	200	N	<10	70	30	15	200	150	15	N	150	1.5	3	1	.5	
213	606	336	1	<.02	150	1000	1	20	150	100	N	200	N	<10	70	50	15	300	150	20	<200	150	1.5	3	1.5	.7	
214	604	333	N	<.02	100	700	<1	15	100	50	N	150	N	N	50	20	10	150	100	15	N	150	2	2	.7	.3	
215	610	342	N	<.02	50	500	<1	15	150	70	N	150	N	<10	30	30	10	300	100	15	N	150	1.5	2	1	.5	
216	607	338	7	<.02	70	700	<1	20	150	300	N	300	N	<10	50	70	15	200	100	15	<200	150	1.5	3	1.5	.5	
217	608	339	3	<.02	70	700	1	15	150	100	N	500	N	N	50	100	15	150	100	15	300	150	1.5	3	1	.5	
218	609	341	1.5	<.02	30	500	<1	15	100	70	N	300	N	<10	30	70	10	200	100	15	<200	150	1.5	2	1	.3	
219	611	343	<.5	<.02	30	300	<1	10	70	50	N	200	N	N	30	30	7	150	70	15	<200	100	1.5	2	.7	.3	
220	143	67AE-300	10.0	<.02	70	700	<1	15	100	70	N	300	N	<10	30	50	15	200	100	15	<200	100	1.5	3	1.5	.3	
221	138	295	3	<.02	100	1000	<1	30	200	300	<20	1000	N	<10	70	500	20	700	150	30	500	150	2	10	3	.7	
222	139	296	3	<.02	50	700	<1	20	100	500	N	700	N	<10	50	300	15	300	100	15	500	150	1.5	7	2	.5	
223	140	297	1.5	<.02	70	700	<1	20	150	150	50	700	N	<10	50	100	15	300	150	30	200	150	2	7	2	.7	
224	137	294	2	<.02	100	1000	1	20	150	100	<20	700	N	10	50	200	15	1000	100	30	300	150	3	7	3	.7	
225	141	298	1.5	<.02	70	700	1	20	150	200	N	700	N	<10	50	100	15	700	100	20	300	100	3	5	2	.3	
226	142	299	.5	<.02	70	500	1	15	150	150	<20	700	N	<10	30	70	15	500	70	15	<200	150	2	3	1.5	.3	
227	144	301	.5	<.02	70	700	<1	15	150	70	N	700	N	<10	50	70	15	700	100	15	<200	150	3	5	1.5	.3	
228	145	302	.7	<.02	70	500	1	15	150	70	N	500	N	<10	30	50	15	200	100	15	N	150	1.5	2	1.5	.3	
229	146	303	<.5	<.02	30	500	<1	15	150	30	N	150	N	N	30	20	10	300	70	10	N	100	1.5	1.5	1	.3	
230	151	308	.7	<.02	50	700	1	10	100	70	N	500	N	<10	30	50	15	500	70	15	<200	100	2	3	1.5	.3	
231	613	67AB-345	<.5	<.02	100	700	1	15	150	70	N	300	N	<10	50	15	15	100	150	15	<200	150	1.5	3	.7	.5	
232	612	344	<.5	<.02	150	1000	1	15	150	70	<20	150	N	10	70	10	15	70	200	20	200	150	1	5	7	.5	
233	614	346	.5	<.02	150	1000	1	15	150	100	<20	200	N	<10	70	20	15	100	150	20	<200	150	1.5	3	.7	.5	
234	148	67AE-305	.5	<.02	150	1000	1.5	15	150	50	N	300	N	<10	50	20	15	100	100	15	<200	150	1.5	3	1	.3	
235	615	67AB-347	N	<.02	50	700	<1	15	150	30	N	300	N	<10	70	15	15	500	100	15	N	150	1.5	3	.7	.5	
236	616	348	.5	<.02	100	1000	1	15	150	70	<20	300	N	<10	70	20	15	100	150	20	<200	200	1.5	3	1	.5	
237	617	349	2	<.02	100	700	1	20	200	100	N	300	N	<10	70	70	15	500	150	20	N	150	1.5	5	1	.5	
238	149	67AE-306	1	<.02	150	700	1	15	300	70	20	500	N	<10	70	30	20	700	100	20	N	150	2	5	1.5	.5	
239	618	67AB-350	3	<.02	100	1000	1	15	150	70	N	300	N	<10	70	15	15	200	200	20	<200	150	1.5	3	.7	.5	
240	150	67AE-307	.7	<.02	100	1000	1	15	150	70	N	300	N	<10	30	30	15	200	100	15	N	150	1.5	3	1	.3	
241	152	309	<.5	<.02	150	700	1.5	15	150	70	N	300	N	<10	50	30	15	1000	100	20	N	100	3	3	1.5	.3	
242	515	67AM-406	N	<.02	150	700	<1	20	200	70	N	500	N	<10	70	15	15	1000	150	30	<200	150	5	5	2	.5	
243	154	67AE-311	1.5	<.02	100	700	1	15	150	100	N	700	N	<10	50	50	15	500	100	20	<200	100	3	3	1.5	.3	
244	514	67AM-405	.7	<.02	70	700	<1	15	150	70	N	700	N	<10	30	70	15	700	100	20	N	100	3	3	1.5	.3	
245	603	67AB-331	3	<.1	50	500	1	15	70	100	<20	700	N	<10	30	30	10	70	100	15	500	150	.2	2	1	.5	
246	478	67AR-71	1	<.02	50	500	1	15	100	30	N	500	N	<10	30	70	10	200	70	15	<200	150	1.5	3	1.5	.3	
247	602	67AB-330	.7	<.02	70	700	1	15	70	50	<20	500	N	<10	30	70	10	150	100	15	<200	150	1.5	2	1.5	.3	
248	601	329	1	.06	30	500	<1	10	150	100	N	500	N	N	30	100	7	700	70	15	<200	70	3	3	1.5	.3	
249	511	67AM-402	1.5	<.02	70	700	<1	20	150	70	N	700	N	<10	50	100	15	1000	100	15	<200	100	5	5	2	.3	
250	153	67AE-310	.7	<.02	50	700	<1	10	100	70	N	700	N	<10	30	70	15	700	100	15	<200	100	5	3	1.5	.3	
251	512	67AM-403	.7	<.02	50	700	<1	15	150	70	N	700	N	<10	30	70	10	1000	150	15	N	100	5	3	1.5	.3	
252	155	67AE-312	N	<.02	70	700	<1	15	150	70	N	300	N	<10	50	30	15	200	100	15	N	100	1.5	3	1	.3	
253	157	314	N	<.02	70	700	1	15	150	70	<20	300	N	<10	50	50	15	200	100	20	N	150	1.5	3	1.5	.5	
254	156	313	<.5	<.02	70	700	<1	15	100	70	N	200	N	<10	30	30	15	200	100	15	N	100	1.5	3	1	.3	
255	ACG394	67AM-96	.5	<.02	70	700	1	15	150	50	N	700	N	<10	70	30	15	700	100	20	<200	150	5	5	1.5	.5	
256	732	134	N	<.02	70	1000	1	20	150	70	30	300	<.5	10	50	30	15	300	150	15	<200	150	2	7	1.5	.3	
257	556	67AE-106	N	<.02	-	1000	1	15	30	150	30	700	N	<10	15	150	-	700	150	20	500	100	3	3	1.5	.3	
258	ACJ445	67AR-477	<1	<.02	-	1000	1	15	30	150	N	1000	N	N	10	200	-	700	150	20	700	70	3	3	2	.5	
259	446	479	<1	<.02	-	1000	1	15	30	150	N	1000	N	<10	7	150	-	700	150	20	300	70	3	3	2	.3	
260	ACG555	67AE-185	N	<.02	-	1000	1	15	30	70	30	1000	N	10	15	100	-	700	150	30	N	150	1	3	1.5	.3	
261	ACJ449	67AR-481	<1	<.02	-	1000	1	15	30	100	N	1000	N	<10	7	150	-	700	150	20	300	100	3	3	2	.5	
262	ACG557	67AE-192	<1	<.02	-	700	1	15	30	70	N	700	N	<10	10	200	-	700	100	30	500	150	3	3	1	.3	
263	ACJ450	67AR-482	N	<.02	-	700	1	15	30	70	N	1000	N	<10	10	100	-	700	150	20	300	100	3	3	2	.5	
264	451	483	N	<.02	-	1000	1	15	30	70	30	1000	N	10	20	70	-	700	150	30	300	100	3	3	2	.5	
265	ACG558	67AE-193	1	<.02	-	1500	N	15	15	150	30	700	N	<10	10	100	-	1000	150	30	500	150	3	3	2	.3	
266	559	194	N	<.02	-	700	1	15	70	50	30	700	N	<10	30	50	-	700	150	30	N	150	3	3	1.5	.3	
267	115	15	N	<.02	30	700	N	10	70	20	20	700	N	<20	20	30	10	500	100	20	N	100	2	3	.7	.3	
268	560	195	N	<.02	-	700	1	15	70	50	30	500	N	<10	30	15	-	500	150	30	N	150	3	3	1.5	.3	
269	ACJ060	67AR-308	N	<.02	-	1500	1.5	30	150	50	30	1500	7	<10	100	20	-	1000	200	50	N	200	5	5	2	1	
270	ACG561	67AE-196	N																								

Sample No. Lab. No. Field No. ^{1/} Ag Au B Ba Be Co Cr Cu La Mn Mo Nb Ni Pb Sc Sr V Y Zn Zr Ca Fe Mg Ti
 parts per million percent Remarks

1281	AC6019	67AR27	N	<.02	30	<100	N	20	700	30	N	500	N	N	300	N	N	200	30	N	N	N	>20	15	10	03	
1282	296	67AR121	N	<.02	-	500	1	15	70	70	30	300	N	<10	30	15	-	150	150	30	N	100	3	3	1.5	.3	
1283	297	122	N	<.02	-	500	1	15	70	70	N	300	N	<10	30	15	-	150	150	30	N	70	3	3	1.5	.3	
1284	298	123	N	<.02	-	700	1	15	70	70	N	500	N	<10	30	15	-	150	150	30	N	70	3	3	1.5	.3	
1285	299	124	N	<.02	-	500	1	15	70	70	N	500	N	<10	30	15	-	150	150	30	N	70	3	3	1.5	.3	
1286	754	67AR156	N	<.02	100	500	1	20	100	50	30	700	N	<10	50	20	15	300	100	20	N	150	1.5	5	1.5	.5	
1287	300	67AR125	N	<.02	-	700	1	15	70	70	N	300	N	<10	30	15	-	150	100	30	N	70	3	2	1.5	.3	
1288	753	67AR155	N	<.02	100	700	1.5	20	100	30	30	700	N	<10	50	30	15	150	100	30	N	150	1.5	5	1.5	.6	
1289	301	67AR126	N	<.02	-	700	1	15	100	70	30	700	N	<10	30	70	-	300	150	30	N	150	7	3	1.5	.3	
1290	752	67AR154	N	<.02	70	700	1	20	150	100	70	500	N	<10	30	70	15	700	70	30	<200	100	2	7	1.5	.3	
1291	302	67AR127	N	<.02	-	500	1	15	70	70	N	700	N	<10	50	75	-	1000	150	30	N	100	7	3	1.5	.3	
1292	751	67AR153	N	<.02	100	500	1	20	150	50	20	500	N	<10	50	30	15	700	100	15	N	100	2	5	1.5	.3	
1293	303	67AR128	N	<.02	-	700	1	15	70	70	N	500	N	<10	30	15	-	200	150	30	N	70	7	3	1.5	.3	
1294	750	67AR152	N	<.02	70	700	1	20	150	30	30	500	N	<10	50	30	15	500	100	30	N	150	2	7	1.5	.3	
1295	748	150	<.5	<.02	100	300	1	20	150	30	30	500	N	<10	50	30	10	500	100	20	N	100	5	5	2	.3	
1296	749	151	.5	<.02	50	700	1	15	100	30	20	700	N	<10	30	200	10	700	70	15	N	100	3	5	1	.3	
1297	838	234	N	<.02	-	700	2	15	70	70	30	700	N	<10	30	70	-	200	150	30	N	150	2	3	1	.3	
1298	837	233	N	<.02	-	700	1	15	70	50	30	700	N	<10	30	30	-	200	150	30	N	150	3	3	1	.3	
1299	864	261	N	<.02	-	700	1	15	70	50	30	500	N	<10	30	20	-	300	150	30	N	150	3	3	1.5	.3	
1300	865	262	N	<.02	-	700	1	15	70	50	30	300	N	<10	30	20	-	300	150	30	N	150	3	3	1	.3	
1301	866	263	N	<.02	-	700	1	15	70	50	30	300	N	<10	30	20	-	300	150	30	N	150	3	3	1.5	.3	
1302	867	264	N	<.02	-	700	1	15	70	50	30	500	N	<10	30	15	-	150	100	30	N	150	3	3	1	.3	
1303	868	265	N	<.02	-	700	1.5	20	100	50	N	500	N	<10	70	20	-	500	150	20	N	200	5	3	2	.5	
1304	869	266	N	<.02	-	700	2	20	100	50	N	300	N	10	70	20	-	200	100	30	N	200	2	3	1	.5	
1305	871	268	N	<.02	-	700	1.5	20	100	50	N	500	N	10	70	20	-	200	150	50	N	200	3	3	1.5	.5	
1306	870	267	N	<.02	-	700	1.5	15	70	50	N	500	N	10	70	20	-	500	150	20	N	150	5	2	1.5	.3	
1307	872	289	<1	<.02	-	1000	1.5	20	100	50	N	500	N	10	70	30	-	500	150	30	N	200	5	3	2	.3	
1308	839	237	N	<.02	-	700	2	15	70	50	30	500	N	<10	30	20	-	300	150	30	N	150	3	3	1	.3	
1309	840	238	N	<.02	-	300	N	15	70	70	N	300	N	N	20	15	-	700	150	20	N	70	3	1.5	1	.15	
1310	841	239	1	<.02	-	700	1	15	70	70	30	700	N	<10	30	100	-	200	150	30	N	150	3	3	1.5	.3	
1311	842	240	N	<.02	-	500	N	10	70	50	N	300	N	N	30	15	-	700	150	20	N	70	5	2	1	.2	
1312	843	241	N	<.02	-	500	1	15	70	50	N	300	N	<10	30	15	-	500	150	30	N	100	3	2	1	.3	
1313	844	242	N	<.02	-	700	N	15	70	50	N	300	N	N	20	15	-	1000	150	20	N	70	7	2	1.5	.2	
1314	ACJ063	67AR337	N	<.02	-	700	2	30	100	70	50	500	N	<10	70	20	-	200	150	50	N	200	3	5	.7	.5	
1315	084	338	N	<.02	-	700	2	20	100	50	30	300	N	<10	50	20	-	200	100	30	N	200	2	3	1	.5	
1316	AC6845	67AR243	N	<.02	-	700	2	15	70	50	30	500	N	10	30	20	-	150	100	30	N	150	3	3	1.5	.3	
1317	846	244	N	<.02	-	700	1	15	30	20	N	500	N	<10	15	15	-	700	100	20	N	150	7	3	1	.3	
1318	847	245	N	<.02	-	700	1	15	50	30	30	500	N	<10	15	20	-	700	70	20	N	70	5	2	.7	.2	
1319	848	246	N	<.02	-	700	1	15	50	30	N	500	N	N	20	15	-	700	70	30	N	100	7	2	1.5	.3	
1320	755	157	.7	<.02	70	500	1	20	100	30	30	700	N	<10	30	50	15	500	70	20	<200	100	2	5	1.5	.3	
1321	ACJ059	67AR305	1.0	<.02	-	1000	1	20	30	50	N	700	N	N	50	100	-	1000	100	30	N	150	7	5	1	.3	
1322	AC6835	67AR231	N	<.02	-	700	N	15	70	30	N	500	N	N	20	15	-	500	70	20	N	100	3	2	1	.3	
1323	833	229	N	<.02	-	500	N	15	70	50	N	300	N	N	20	15	-	700	150	20	N	100	5	2	.7	.2	
1324	834	230	N	<.02	-	700	N	10	70	30	N	500	N	N	20	15	-	1500	100	15	N	70	10	1.5	1	.2	
1325	756	158	N	<.02	70	500	1	20	100	30	20	500	N	<10	30	30	15	1000	70	15	<200	70	3	5	1.5	.3	
1326	761	160	N	<.02	50	700	1	15	100	30	20	500	N	<10	30	30	10	2000	70	15	N	70	5	5	1.5	.3	
1327	762	161	N	<.02	70	1000	1	15	100	30	30	300	N	<10	30	50	15	500	100	20	N	150	2	5	1.5	.5	
1328	ACJ034	67AR370	N	<.02	-	700	1	15	100	50	N	500	N	<10	70	15	-	500	150	20	N	100	3	3	1.6	.3	
1329	AC6763	67AR162	N	<.02	70	700	1	20	100	30	30	500	N	N	30	30	15	700	100	15	N	100	5	3	2	.3	
1330	ACJ031	67AR367	N	<.02	-	1500	1.5	20	100	70	N	500	N	<10	70	100	-	700	150	20	N	150	7	5	2	.5	
1331	032	368	N	<.02	-	500	1.0	15	100	70	N	700	N	N	70	15	-	1000	150	20	N	100	5	3	1.5	.3	
1332	033	369	N	<.02	-	1500	1.0	10	70	50	N	500	N	<10	50	100	-	700	100	20	N	100	7	2	2	.3	
1333	AC6764	67AR163	N	<.02	70	1000	1	15	70	30	20	500	N	<10	30	70	10	700	70	15	N	100	5	3	1.5	.3	
1334	138	67AR51	N	<.02	50	1000	1.5	20	100	30	30	300	7	<													

Sample No. Lab. No. Field No. Ag Au B Ba Be Co Cr Cu La Mn Mo Nb Ni Pb Sc Sr V Y Zn Zr Ca Fe Mg Ti percent Remarks

Sample No.	Lab. No.	Field No.	parts per million																								percent				Remarks
			Ag	Au	B	Ba	Be	Co	Cr	Cu	La	Mn	Mo	Nb	Ni	Pb	Sc	Sr	V	Y	Zn	Zr	Ca	Fe	Mg	Ti					
x351	468317	67AM#20	N	<.02	100	1000	1.5	15	70	50	20	200	10	<20	30	100	15	N	100	20	N	150	1.5	5	.7	.3					
x352	316	19	N	<.02	100	700	2	10	100	30	30	300	N	<20	30	50	15	200	100	20	N	150	7	7	1	.3					
x353	318	21	N	.02	100	700	1.5	15	70	30	20	300	7	<20	30	20	15	N	100	20	N	150	2	5	.7	.3					
x354	320	24	N	<.02	70	700	1	N	70	20	30	300	N	<20	20	20	15	1500	70	20	N	150	20	3	1	.2					
x355	321	25	N	<.02	70	1000	2	15	100	20	50	300	15	N	30	20	15	150	200	20	200	200	2	7	1	.3					
x356	322	26	N	<.02	70	500	1	10	100	20	30	300	N	N	30	20	20	700	150	15	N	150	10	5	1	.5					
x357	323	27	N	<.02	100	700	3	15	150	30	50	500	5	N	30	50	20	200	150	30	N	200	5	7	1.5	.5					
x358	325	29	N	<.02	100	100	2	10	150	20	50	300	7	N	30	30	15	300	150	30	N	150	7	5	.7	.3					
x359	326	30	N	<.02	100	700	3	10	150	30	50	300	N	N	30	20	20	300	150	20	N	150	5	5	1	.5					
x360	327	31	N	<.02	70	700	2	10	150	20	30	200	N	N	20	20	20	700	150	15	N	150	15	5	1	.2					
x361	153	67AE-88	N	<.02	50	500	1	10	100	30	20	300	N	<20	30	30	15	300	100	15	N	150	7	3	1	.3					
x362	154	69	<.5	<.02	50	700	1	15	70	30	30	200	N	<20	30	20	15	700	100	15	<200	100	5	5	1	.3					
x363	155	70	<.5	<.02	70	700	1	15	150	30	30	200	N	<20	50	30	15	300	150	15	<200	100	5	5	1	.3					
x364	156	71	.5	<.02	70	700	1	15	50	15	30	500	N	<20	10	10	10	200	100	15	200	100	.7	3	.7	.2					
x365	157	72	.5	<.02	70	700	1	10	70	30	30	500	N	<20	20	20	15	300	100	20	200	100	5	5	1	.2					
x366	158	73	.7	<.02	70	700	1	10	100	30	30	300	N	<20	20	20	15	500	100	15	200	100	7	5	1	.3					
x367	159	74	.5	<.02	70	700	1	15	150	30	30	300	N	<20	30	20	20	300	150	15	200	150	7	5	1	.5					
x368	160	75	.5	<.02	100	700	1	15	150	30	20	150	N	<20	20	20	20	200	150	15	N	100	3	3	1.5	.5					
x369	161	76	N	<.02	100	700	1	15	200	30	30	300	N	<20	30	10	20	700	150	15	N	150	10	5	1	.3					
x370	162	77	N	<.02	100	700	1	15	200	30	30	200	N	<20	30	30	20	500	100	15	N	150	10	5	1	.3					
x371	163	32	N	<.02	70	500	1	10	70	20	20	200	N	<20	20	15	15	700	100	10	N	100	15	3	1	.2					
x372	164	33	N	<.02	100	700	2	15	200	30	30	300	5	<20	30	100	30	200	150	20	200	200	7	7	1.5	.7					
x373	165	34	N	<.02	70	1000	2	10	100	30	30	500	N	<20	30	100	20	200	150	20	200	150	2	7	1	.5					
x374	166	35	N	<.02	70	700	1	15	100	30	30	500	N	<20	20	20	20	300	100	15	N	150	5	7	1	.5					
x375	167	36	N	<.02	70	700	1	10	100	20	30	500	N	<20	30	50	20	300	100	20	N	150	3	7	2	.7					
x376	301	67AM#1	N	<.02	70	1000	1	N	70	30	20	500	N	<20	20	15	15	200	100	15	N	150	7	3	1.5	.3					
x377	302	2	N	<.02	70	700	1.5	10	100	20	30	300	N	<20	20	15	20	160	100	15	N	150	3	7	1	.3					
x378	303	3	N	<.02	100	700	1.5	15	100	30	30	500	N	20	30	50	20	200	150	20	<200	150	5	7	1	.5					
x379	304	5	N	<.02	70	700	2	10	100	20	30	700	N	20	30	20	20	200	100	30	<200	150	3	10	1	1					
x380	305	6	N	<.02	100	700	1.5	10	70	20	30	500	N	<20	30	10	20	700	100	20	<200	150	10	7	1	.3					
x381	307	8	N	<.02	100	700	1.5	10	70	30	30	500	N	<20	30	30	20	300	100	20	<200	150	7	7	1.5	.5					
x382	308	9	N	<.02	100	700	2	20	150	30	30	700	N	<20	30	30	20	300	100	20	<200	150	5	7	1.5	.1					
x383	168	67AE-38	N	<.02	70	700	1	<10	100	15	20	500	N	<20	30	15	20	300	70	15	N	100	7	5	1	.5					
x384	309	67AM#10	N	<.02	70	700	1.5	10	100	30	30	500	N	<20	30	30	20	700	100	20	N	150	15	7	1.5	.5					
x385	310	11	N	<.02	70	700	2	15	100	30	20	500	N	<20	30	30	20	200	150	15	N	150	3	7	1	.7					
x386	169	67AE-39	N	<.02	70	700	1	15	100	30	20	300	N	<20	30	10	20	300	70	15	N	150	7	5	1.5	.7					
x387	170	40	N	<.02	70	700	1	10	100	20	20	500	N	<20	30	10	15	300	70	10	N	150	7	3	1	.3					
x388	311	67AM#12	N	<.02	70	700	1.5	15	70	30	20	300	N	<20	30	20	300	100	15	N	150	7	5	1	.5						
x389	171	67AE-41	N	<.02	70	1000	1.5	20	150	30	30	300	N	<20	30	50	15	200	100	15	N	150	3	7	1	.5					
x390	312	67AM#13	N	<.02	100	1000	2	15	150	30	30	300	N	<20	30	50	20	200	150	15	N	150	3	7	1	.7					
x391	313	15	N	<.02	50	700	1	15	100	20	20	300	N	<20	30	20	20	500	100	20	N	100	10	7	1.5	.5					
x392	172	67AE-42	N	<.02	100	1000	1	20	150	30	50	300	N	<20	30	30	30	200	150	15	N	100	7	5	1	.3					
x393	314	67AM#16	N	<.02	50	700	1.5	15	300	30	20	300	N	<20	30	15	20	300	100	15	N	150	7	7	1.5	.5					
x394	400	102	N	<.02	50	700	1	15	150	30	N	500	N	<10	50	20	15	1500	70	20	N	100	3	5	1.5	.3					
x395	399	101	N	<.02	100	500	1	15	70	70	20	700	N	10	30	50	15	200	100	20	<200	150	3	5	2	.5					
x396	398	100	N	.02	70	700	1	15	150	50	N	500	N	10	70	30	15	1000	100	20	N	150	3	5	1.5	.5					
x397	701	103	N	<.02	70	1000	1	20	150	50	20	500	N	<10	50	20	15	700	100	30	<200	150	2	7	1.5	.5					
x398	234	67AB-39	N	.02	100	700	1	15	100	30	20	200	N	<20	20	10	15	150	150	20	N	100	10	9	2	.2					
x399	731	67AM#133	N	<.02	100	500	1	20	200	50	30	300	<.5	<10	50	30	20	300	150	20	N	150	3	7	2	.5					
x400	702	104	N	<.02	70	700	1	20	150	50	30	700	N	<10	30	15	15	700	70	30	<200	150	3	5	1	.5					
x401	703	105	N	<.02	70	700	1	20	150	70	20	500	N	10	70	20	20	300	150	30	<200	150	1.5	7	1.5	.7					
x402	704	106	N	<.02	70	700	1	20	150	70	20	500	N	<10	50	30	15	200	70	30	N	150	1.5	7	1.5	.5					
x403	705	107	N	<.02	70	700	1	20	150	50	20	500	N	<10	50	20	15	200	100	30	N	150	1.5	5	1.5	.5					
x404	706	108	N	<.02	70	1000	1	20	200	70	20	500	N	<10	70	20	20	300	150	30	N	150	1.5	7	1.5	.7					
x405	233	67AB-37	N	<.02	100	700	1	10	100	30	20	300	N	<10	15	20	20	200	100	20	N	150	7	3	1.5	.5					
x406	707	67AM#128	N	<.02	70	700	1	20	150	70	20	700	N	<10	50	20	15	700	100	30	N	150	5	7	2	.7					
x407	534	67AE-158	.5	<.02	100	1000	1	20	300	30	20	700	N	<10	50	150	20	1500	100	30	200	150	3	7	2	.7					
x408	537	161	.7	<.02	70	1000	1	15	150	30	20	700	N	<10	30	70	15	1000	70	30	<200	150	2	7	1.5	.5					
x409	036	67AR-49	N	.02	70	700	1	20	150	70	20	700	N	<10	50	20	15	700	100	30	N	150	7	5	1.5	.5					
x410	717	67AM#119	N	<.02	100	1500	1	20																							

Sample No. Lab. Field No. Ag Au B Ba Be Co Cr Cu La Mn Mo Nb Ni Pb Sc Sr V Y Zn Zr Ca Fe Mg Ti percent

Sample No.	Lab. No.	Field No.	Ag	Au	B	Ba	Be	Co	Cr	Cu	La	Mn	Mo	Nb	Ni	Pb	Sc	Sr	V	Y	Zn	Zr	Ca	Fe	Mg	Ti	percent	Remarks	
1 421	AC1061	67AR324	7	<.02	-	1500	1.5	30	1.5	500	30	1000	3	10	50	700	-	700	150	50	50	2000	200	3	7	2	5	B<10	
1 422	062	925	3	<.02	-	1000	2	20	30	100	50	150	5	<10	100	200	-	200	150	50	500	150	150	3	5	3	5	B<10	
1 423	AC6	907	67AB124	7	<.1	700	1.5	20	150	N	1500	N	N	15	700	-	300	150	30	1500	150	150	1.5	3	2	3	B<10		
1 424	908	123	7.5	<.1	-	700	2	15	70	70	30	1500	10	10	30	200	-	200	150	50	700	150	3	5	2	3	B<10		
1 425	908	135	7	<.02	-	700	2	15	70	150	30	3000	10	10	30	700	-	200	150	30	700	150	3	5	2	3	B<10		
1 426	909	136	7	<.02	-	700	1	15	70	150	30	1500	N	10	30	300	-	500	150	30	700	150	3	3	2	3	B<10		
1 427	910	137	7	<.1	-	700	N	15	70	200	N	1500	N	N	30	150	-	1000	150	30	1500	100	7	3	2	3	B<10		
1 428	911	138	3	<.02	-	700	1	15	70	150	N	1500	N	<10	20	200	-	700	150	30	700	100	7	3	2	3	B<10		
1 429	912	139	1	<.02	-	700	N	10	70	100	N	1500	N	N	20	150	-	700	100	30	700	70	M	2	2	3	B<10		
1 430	913	140	N	<.1*	-	700	1	15	70	70	N	700	N	<10	30	100	-	200	150	30	N	70	3	3	2	3	B<10		
1 431	914	141	N	<.02	-	700	N	10	70	70	N	700	N	<10	20	150	-	700	100	20	300	70	M	2	2	3	B<10		
1 432	766	67AM163	2	<.02	50	500	1	15	70	50	30	500	N	<10	30	15	-	300	150	30	N	70	7	2	2	3	B<10		
1 433	917	67AB124	N	<.02	-	700	N	10	50	70	N	700	N	N	15	70	-	700	70	20	N	70	7	2	2	3	B<10		
1 434	915	142	N	<.02	-	700	3	15	70	50	50	500	N	<10	30	20	-	150	150	30	N	150	5	3	3	1.5	3	B<10	
1 435	916	143	N	<.02	-	700	2	1.5	100	50	30	500	N	<10	20	20	-	300	150	30	N	150	5	3	2	3	B<10		
1 436	765	67AM164	N	<.02	70	500	1	20	150	30	70	500	N	<10	50	30	15	-	300	100	30	N	150	2	5	1.5	5	B<10	
1 437	918	67AB165	2	<.02	-	700	2	15	70	50	30	500	N	<10	30	15	-	300	150	30	N	70	5	3	1.5	3	B<10		
1 438	919	146	N	<.02	-	700	1	10	70	70	N	500	N	N	15	30	-	700	100	30	N	70	7	2	1.5	3	B<10		
1 439	920	147	N	<.02	-	700	N	10	70	70	N	500	N	N	20	50	-	700	100	30	N	70	10	2	1.5	3	B<10		
1 440	921	148	N	<.02	-	700	1	10	70	70	N	700	N	N	20	50	-	700	150	30	N	70	M	3	1.5	3	B<10		
1 441	922	149	N	<.02	-	700	N	10	70	70	N	700	N	<10	20	50	-	700	100	30	N	70	M	2	1.5	3	B<10		
1 442	923	150	N	<.02	-	700	N	10	70	70	N	700	N	N	20	30	-	1000	150	30	N	70	M	2	2	3	B<10		
1 443	924	151	N	<.02	-	700	N	10	70	50	N	300	N	N	15	30	-	700	100	30	N	70	M	2	1.5	3	B<10		
1 444	570	67AE283	N	<.02	-	1000	2	15	70	50	50	700	7	10	50	15	-	200	150	30	N	150	7	3	1	3	B<10		
1 445	580	224	N	<.02	-	1500	2	1.5	70	70	50	500	7	10	50	20	-	200	150	30	N	150	7	3	1	3	B<10		
1 446	581	225	N	<.02	-	1500	1	20	70	70	30	500	7	10	50	20	-	150	200	50	N	150	3	3	1	3	B<10		
1 447	582	226	N	<.02	-	1500	2	15	70	70	30	700	7	<10	70	20	-	150	150	30	N	150	7	3	1	3	B<10		
1 448	583	227	N	<.02	-	1500	1	20	70	70	30	500	7	10	50	20	-	150	150	30	N	150	7	3	1	3	B<10		
1 449	790	67AM188	N	<.1	150	1000	1	20	150	70	20	700	N	<10	30	15	1500	700	30	N	150	3	7	1.5	7	1	3	B<10	
1 450	789	187	N	<.02	200	700	1	20	150	50	50	700	N	10	70	30	20	150	150	30	N	150	1.5	7	1.5	7	B<10		
1 451	584	67AE286	N	<.02	-	700	1	15	100	50	30	300	3	10	50	20	-	150	150	30	N	100	1.5	3	1.5	3	B<10		
1 452	585	229	N	<.02	-	1500	1	20	100	30	30	500	7	10	50	20	-	150	150	30	N	150	1.5	3	1	3	B<10		
1 453	791	67AM189	N	<.02	50	500	1	15	100	30	20	500	N	<10	50	20	15	-	300	70	15	N	1.5	7	1.5	5	B<10		
1 454	586	67AE280	N	<.02	-	70	2	15	70	50	30	500	3	10	30	20	-	200	150	30	N	150	3	3	1.5	3	B<10		
1 455	787	67AM185	N	<.02	150	700	1	15	150	50	30	700	N	<10	30	20	15	-	700	100	30	N	150	3	7	1.5	7	B<10	
1 456	788	186	N	<.02	100	700	1	15	150	30	20	700	N	<10	50	30	15	-	700	100	30	N	150	2	5	1.5	7	B<10	
1 457	792	190	<.5	<.02	100	1000	1	20	150	30	30	500	10	<10	100	20	15	-	150	150	30	N	150	1.5	7	1	5	B<10	
1 458	786	184	N	<.02	150	3000	1	15	70	150	20	700	20	10	70	30	20	700	100	30	N	150	2	7	1.5	1	B<10		
1 459	785	183	N	<.1	70	700	1	15	150	30	20	1000	N	<10	30	15	20	1000	100	30	N	150	2	7	1.5	1	B<10		
1 460	784	182	N	<.02	100	1000	1	15	150	30	20	700	N	<10	30	20	15	-	700	100	30	N	150	3	5	1.5	7	B<10	
1 461	863	280	N	<.02	-	700	1	15	70	50	30	300	N	<10	30	15	-	500	150	30	N	150	3	3	1.5	3	B<10		
1 462	783	181	N	<.02	100	700	1	15	150	30	30	500	N	<10	50	20	15	-	300	150	30	N	150	2	5	1.5	7	B<10	
1 463	782	180	<.5	<.02	150	3000	1	15	70	150	20	700	20	10	70	30	15	-	200	150	30	N	150	1.5	5	1	5	B<10	
1 464	793	191	N	<.02	70	700	1	20	200	30	20	500	5	10	50	15	15	-	700	70	30	N	150	3	7	1.5	5	B<10	
1 465	781	179	N	<.02	150	500	1	15	150	30	30	700	N	10	50	30	20	15	-	300	100	30	N	150	2	7	1.5	7	B<10
1 466	794	192	N	<.02	70	2000	1	5	50	50	20	200	15	10	50	15	10	150	150	30	N	150	1.5	1.5	5	3	B<10		
1 467	795	193	N	<.02	100	700	1	20	300	50	N	700	N	<10	70	20	15	-	300	100	15	N	150	2	7	2	5	B<10	
1 468	780	178	N	<.02	150	700	1	15	100	50	N	700	7	10	50	15	15	200	20	200	150	150	1.5	5	1.5	5	B<10		
1 469	778	177	5	<.02	200	1500	1	15	150	100	30	700	10	10	70	30	15	500	200	30	N	150	2	7	1.5	7	B<10		
1 470	777	176	5	<.02	200	1000	1	30	70	100	20	1500	15	<10	150	30	15	300	150	30	N	150	1.5	7	1	5	B<10		
1 471	944	67AB171	N	<.02	-	1000	1	15	70	70	N	500	3	<10															

Sample No. Lab. No. Field No. ^U Ag Au B Ba Be Co Cr Cu La Mn Mo Nb Ni Pb Sc Sr V Y Zn Zr Ca Fe Mg Ti percent Remarks

		parts per million																		percent				Remarks		
Sample No.	Lab. No.	Field No.	Ag	Au	B	Ba	Be	Co	Cr	Cu	La	Mn	Mo	Nb	Ni	Pb	Sc	Sr	V	Y	Zn	Zr	Ca		Fe	Mg
1 491	AC6959	67AB187	N	<.02	-	1500	1	15	70	70	30	700	7	<10	50	20	-	200	150	30	N	150	3	3	1.5	3
1 492	940	167	N	<.02	-	1500	2	15	70	70	30	500	7	<10	50	30	-	300	150	30	N	150	3	3	1.5	3
xx 493	772	67AB171	N	<.02	100	1000	1	15	150	50	20	500	7	<10	50	30	15	300	150	20	N	150	1.5	5	1.5	5
1 494	725	67AB152	N	<.1	-	700	2	15	100	70	30	700	N	<10	30	20	-	300	150	50	N	150	3	3	2	3
1 495	926	153	N	<.02	-	700	2	15	70	70	30	500	N	<10	30	20	-	300	150	50	N	150	3	3	2	3
1 496	927	154	N	<.02	-	700	2	15	70	70	30	500	N	10	30	20	-	300	150	30	N	150	3	3	2	3
1 497	ACJ071	67AR347	N	<.02	-	700	2	20	70	50	30	300	N	<10	50	15	-	200	100	30	N	100	3	3	7.5	5
1 498	AC6920	67AB153	N	<.02	-	700	2	15	70	70	30	700	N	10	30	20	-	300	150	50	N	150	3	3	2	3
1 499	929	156	N	<.02	-	3000	2	15	70	70	30	500	15	<10	50	15	-	200	200	30	N	150	1.5	3	1.5	3
1 500	970	157	N	<.02	-	1500	2	15	70	70	30	500	7	10	30	20	-	300	150	30	N	150	3	3	1.5	3
1 501	931	158	N	<.02	-	700	2	15	70	70	50	500	7	<10	50	20	-	200	150	50	N	150	3	3	1.5	3
1 502	932	159	N	<.02	-	700	2	15	70	50	30	700	3	<10	30	20	-	300	150	30	N	150	3	3	1.5	3
1 503	933	160	N	<.02	-	500	2	20	100	50	N	500	N	<10	50	20	-	150	150	30	N	150	1.5	3	1.5	3
1 504	934	161	N	<.02	-	1500	2	15	70	70	30	700	15	<10	70	20	-	200	200	50	N	100	7	3	7	3
1 505	925	162	N	<.02	-	1000	3	15	70	70	N	700	N	<10	30	20	-	200	150	30	N	150	3	3	1.5	3
1 506	936	163	N	<.02	-	1000	3	15	70	70	N	1000	N	<10	50	20	-	300	150	30	N	150	3	3	2	3
1 507	937	164	N	<.02	-	700	2	15	70	70	30	500	N	<10	30	20	-	200	150	30	N	150	3	3	1.5	3
1 508	938	165	N	<.02	-	700	2	15	70	70	30	300	3	10	30	20	-	300	150	30	N	150	3	3	1.5	3
1 509	939	166	N	<.02	-	1000	2	15	70	50	30	500	3	<10	30	20	-	300	150	30	N	150	3	3	2	3
xx 510	773	67AB172	N	<.02	100	1000	1	15	150	30	50	700	N	10	50	20	15	300	150	30	N	150	2	7	1.5	7
xx 511	774	173	N	<.02	200	500	1	20	150	30	20	700	N	<10	50	30	20	300	150	20	N	150	2	7	1.5	5
1 512	941	67AB168	N	<.02	-	700	2	15	70	50	30	500	N	<10	50	20	-	300	150	30	N	150	3	3	1.5	3
1 513	942	169	N	<.02	-	1500	2	15	70	70	N	500	7	<10	30	30	-	300	150	30	N	150	3	2	1.5	3
1 514	943	170	N	<.02	-	1500	1	15	70	70	N	500	7	N	50	30	-	300	150	30	N	150	3	2	1.5	3
1 515	959	188	N	<.02	-	1500	1	15	70	70	30	500	7	<10	30	20	-	200	150	30	N	150	3	3	1.5	3
xx 516	775	67AB174	N	<.02	150	1000	2	20	150	50	30	700	N	<10	50	30	20	300	100	30	N	150	2	7	1.5	5
1 517	960	67AB189	N	<.02	-	1500	1	15	70	70	30	500	7	10	30	30	-	200	150	30	N	150	3	3	1.5	3
1 518	961	190	N	<.02	-	1500	1	15	70	50	30	500	7	<10	30	20	-	200	150	30	N	150	3	3	1.5	3
1 519	962	191	N	<.02	-	1500	1	15	70	50	30	500	5	<10	30	20	-	200	150	30	N	100	3	3	1.5	3
1 520	963	192	N	<.02	-	1500	1	15	70	50	30	500	5	<10	30	20	-	300	150	30	N	150	3	3	1.5	3
1 521	964	193	N	<.02	-	1500	1	15	70	70	30	500	7	10	30	20	-	300	150	30	N	150	3	3	1.5	3
1 522	965	194	N	<.02	-	1500	1	15	70	70	N	500	5	<10	30	30	-	200	150	30	N	100	3	3	1.5	3
xx 523	778	67AB175	N	<.02	150	1500	1	15	150	30	20	700	5	<10	50	20	15	300	150	30	N	150	2	5	1.5	5
xx 524	819	216	N	<.02	70	700	1.5	15	70	30	20	700	N	<10	30	15	15	200	70	15	N	150	7.5	3	1	7
1 525	ACJ065	67AR340	N	<.02	-	700	1.5	7	70	20	N	300	N	<10	20	20	-	1000	100	30	N	100	M	2	2	2
xx 526	AC6807	67AB208	N	<.02	100	700	1	7	50	30	30	700	N	<10	30	20	7	1000	70	20	N	150	10	2	1.5	2
xx 527	806	204	N	<.02	70	1500	1	20	100	50	20	500	15	10	100	30	15	500	150	20	<200	150	3	5	1	5
xx 528	808	206	N	<.02	70	2000	1.5	20	150	50	30	700	10	10	100	20	15	300	150	30	N	150	2	7	1	5
xx 529	809	207	N	<.02	50	700	2	20	100	70	30	700	N	<10	50	30	15	200	100	30	N	150	1.5	5	1.5	5
xx 530	811	208	<.5	<.02	150	2000	2	15	70	70	20	500	15	<10	100	20	15	300	200	30	<200	150	3	5	1	7
xx 531	804	202	N	<.02	100	1000	1	10	100	30	20	700	<.5	<10	30	20	10	700	100	15	N	100	7	3	1.5	5
xx 532	803	201	N	<.02	75	700	2	N	10	7	50	500	<.5	15	10	20	<.5	70	20	30	N	200	1	1.5	2	1
xx 533	805	203	N	<.02	70	-	1	15	100	30	50	700	5	10	70	30	15	300	100	30	N	150	1.5	3	1.5	5
1 534	ACJ086	67AR342	N	<.02	-	1000	1.5	20	150	70	N	500	N	<10	50	15	-	700	200	30	N	100	5	5	2	1
1 535	067	343	N	<.02	-	1000	2	15	70	70	N	200	5	<10	70	15	-	500	200	30	N	100	2	3	1	5
1 536	068	344	N	<.02	-	2000	1.5	15	70	70	N	200	5	<10	70	15	-	500	150	30	N	100	2	2	1	5
1 537	069	345	N	<.02	-	1000	1.5	20	150	70	N	300	N	<10	70	15	-	300	150	30	N	100	3	3	2	5
xx 538	AC6798	67AB188	N	<.02	70	1000	1	20	200	30	30	500	N	<10	70	15	15	300	100	20	N	150	1.5	5	1.5	7
xx 539	800	197	N	<.02	70	2000	1	20	150	50	50	500	7	10	70	15	15	300	100	30	<200	150	1.5	5	7	5
xx 540	801	199	N	<.02	70	3000	1.5	15	100	50	20	500	15	<10	70	15	15	300	100	20	<200	150	1.5	5	7	7
1 541	ACJ070	67AR346	N	<.02	-	1500	1.5	15	70	50	N	200	5	<10	50	15	-	200	150	30	N	100	2	2	1	3
xx 542	AC6799	67AB196	N	<.02	70	2000	1	15	150	70	30	500	10	<10	70	20	15	300	100	30	N	150	3	3	2	5
1 543	859	256	N	<.02	-	700	N	15	70	30	N	300	N	10	20	15	-	700	150	2						